

USO FORT BENNING BLDG 109

INTERIOR RENOVATIONS

FORT BENNING, GA

ABOUT THIS "PERMIT SET" OF DRAWINGS

THESE DRAWINGS REPRESENT A "PERMIT SET" OF DRAWINGS. INCLUDED IS ENOUGH INFORMATION FOR A CONTRACTOR TO OBTAIN A BUILDING PERMIT AND CONSTRUCT THE PROJECT. ADDITIONAL DETAILS THAT MAY BE PROVIDED IN THIS DRAWING SET ARE ILLUSTRATIVE OF DESIGN INTENT ONLY. ACTUAL DESIGN, LAYOUT AND SELECTION OF CASEWORK, TRIM, FINISHES, HVAC, PLUMBING, AND ELECTRICAL ITEMS ARE THE JOINT RESPONSIBILITY OF THE OWNER AND THE CONTRACTOR. ITEMS OF THIS NATURE (IF INDICATED ON THESE DRAWINGS) MAY BE MODIFIED WITH THE CONSENT OF THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING THE PROJECT IN ACCORDANCE WITH MANUFACTURER'S STANDARD DETAILS, LOCAL CODES AND ACCEPTABLE LEVELS OF STANDARD PRACTICE REGARDLESS OF THE DETAILS (OR LACK THEREOF) CONTAINED IN THIS DRAWING SET.

ABBREVIATIONS

ABV	ABOVE	FEC	FIRE EXTINGUISHER CABINET	PLYWD	PLYWOOD
ACT	ACOUSTICAL CEILING TILE	FIN	FINISH	PR	PAIR
ADJ	ADJACENT	FLR	FLOOR	PT	PAINT
AFF	ABOVE FINISHED FLOOR	FLUOR	FLUORESCENT	QT	QUARRY TILE
ALUM	ALUMINUM	FRT	FIRE RETARDANT TREATED	R	RISER
APPROX	APPROXIMATELY	FT	FOOT	RAD	RADIUS
ARCH	ARCHITECTURAL	FV	FIELD VERIFY	RD	ROOF DRAIN
ASPH	ASPHALT	GA	GAGE	REF	REFERENCE
BC	BASE CABINET	GALV	GALVANIZED	REINF	REINFORCE
BITUM	BITUMINOUS	GYP BD	GYP SUM WALL BOARD	REQ	REQUIRED
BLDG	BUILDING	GL	GLASS	RESIL	RESILIENT
BLKG	BLOCKING	GND	GROUND	RM	ROOM
BM	BEAM	HB	HOSE BIB	RO	ROUGH OPENING
BTM	BOTTOM	HDWD	HARDWOOD	RUB	RUBBER
BRG	BEARING	HDWE	HARDWARE	S	SOUTH
CAB	CABINET	HM	HOLLOW METAL	SC	SOLID CORE
CT	CERAMIC TILE	HORIZ	HORIZONTAL	SCW	SOLID CORE WOOD
CJ	CONTROL JOINT	HT	HEIGHT	SECT	SECTION
CLG	CEILING	HWH	HOT WATER HEATER	SF	SQUARE FEET
CLR	CLEAR	HVAC	HEATING VENTILATION AIR CONDITIONING	SPM	SINGLE PLY MEMBRANE
CMU	CONCRETE MASONRY UNIT	ID	INSIDE DIAMETER	SHT	SHEET
CO	CLEAN OUT	INSUL	INSULATION	SHTG	SHEATHING
COL	COLUMN	INT	INTERIOR	SIM	SIMILAR
CONC	CONCRETE	INV	INVERT	SPEC	SPECIFICATION
CONT	CONTINUOUS	JAN	JANITOR	SQ	SQUARE
CPT	CARPET	JT	JOINT	STD	STANDARD
CTR	CENTER	LAM	LAMINATE	STL	STEEL
DBL	DOUBLE	LAV	LAVATORY	STRUCT	STRUCTURAL
DEG	DEGREE	LVL	LAMINATE VENEERED LUMBER	SUSP	SUSPENDED
DF	DRINKING FOUNTAIN	MAX	MAXIMUM	SYM	SYMMETRICAL
DTL	DETAIL	MECH	MECHANICAL	SYS	SYSTEM
DEMO	DEMOLITION	MEMB	MEMBRANE	T	TREAD
DIA	DIAMETER	MFR	MANUFACTURER	TEL	TELEPHONE
DIAG	DIAGONAL	MH	MANHOLE	T&G	TONGUE AND GROOVE
DIM	DIMENSION	MIN	MINIMUM	THK	THICK
DN	DOWN	MISC	MISCELLANEOUS	TRTD	TREATED
DR	DOOR	MO	MASONRY OPENING	TW	TOP OF WALL
DS	DOWNSPOUT	MTD	MOUNTED	TYP	TYPICAL
DWG	DRAWING	MTL	METAL	UNF	UNFINISHED
E	EAST	N	NORTH	UON	UNLESS OTHERWISE NOTED
EA	EACH	NIC	NOT IN CONTRACT	UL	UNDERWRITERS LABORATORY
EJ	EXPANSION JOINT	NOM	NOMINAL	VCT	VINYL COMPOSITION TILE
ELEV	ELEVATION	NTS	NOT TO SCALE	VERT	VERTICAL
ELEC	ELECTRICITY	OA	OVERALL	VWC	VINYL WALL COVERING
EMER	EMERGENCY	OC	ON CENTER	W	WEST
ENCL	ENCLOSURE	OD	OUTSIDE DIAMETER	W/	WITH
EQ	EQUAL	OH	OPPOSITE HAND	WD	WOOD
EQUIP	EQUIPMENT	OPNG	OPENING	W/O	WITHOUT
EWC	ELECTRIC WATER COOLER	OPP	OPPOSITE	WP	WATERPROOF
EXIST	EXISTING	PL	PLATE	WT	WEIGHT
EXP	EXPANSION	PLAM	PLASTIC LAMINATE	WWF	WELDED WIRE FABRIC
FD	FLOOR DRAIN	PLAS	PLASTIC	XFRW	EXT. FIRE RETARDANT WOOD

SYMBOLS

	SECTION NUMBER
	SHEET # WHERE FOUND
	SHEET # WHERE REFERENCED
	ELEVATION NUMBER
	SHEET # WHERE FOUND
	DETAIL NUMBER
	SHEET # WHERE FOUND
	SHEET # WHERE REFERENCED
	INTERIOR ELEVATION NUMBER
	SHEET # WHERE FOUND
	DEMOLITION TAG - SEE DEMOLITION TAGGED NOTES
	NEW WORK AND MATERIAL TAG - SEE TAGGED NOTES
	DOOR NUMBER - SEE DOOR SCHEDULE FOR SIZE, TYPE, HARDWARE, ETC
	WINDOW/STOREFRONT TAG SEE WINDOW SCHEDULE AND/OR STOREFRONT ELEVATIONS
	ROOM NUMBER - SEE FINISH SCHEDULE FOR EXTENTS OF FINISHES

MATERIAL DESIGNATIONS

	POROUS FILL
	CONCRETE
	CMU
	BRICK
	RIGID INSULATION

RELEVANT CODE INFORMATION

INTERNATIONAL EXISTING BUILDING CODE 2018

2009 ANSI A117.1 ACCESSIBILITY STANDARDS

BUILDING INFORMATION

USE GROUP CLASSIFICATION: NON-SEPARATED MIXED USE
A3-ASSEMBLY / B-BUSINESS
TYPE OF CONSTRUCTION: TYPE IIB

FIRE SUPPRESSION: --

BUILDING AREA (NO CHANGE FROM EXISTING)

OVERALL 1ST FLOOR AREA: 8,441 SF
OVERALL 2ND FLOOR AREA: 5,389 SF
TOTAL BUILDING AREA: 13,830 SF

AREA OF RENOVATION (1ST FLOOR): 6,747 SF
AREA OF RENOVATION (2ND FLOOR): 1,204 SF
TOTAL AREA OF RENOVATION: 7,951 SF

SHEET INDEX

COVER	COVER SHEET
A0.1	GENERAL PROJECT NOTES
A1.0	FIRST FLOOR PLAN - DEMOLITION
A1.1	FIRST FLOOR PLAN - NEW WORK
A1.2	ENLARGED PLANS - NEW WORK
A1.3	SECOND FLOOR PLAN - DEMOLITION
A1.4	SECOND FLOOR PLAN - NEW WORK
A2.0	FIRST FLOOR - REFLECTED CEILING PLAN - DEMOLITION
A2.1	FIRST FLOOR - REFLECTED CEILING PLAN - NEW WORK
A2.2	SECOND FLOOR - REFLECTED CEILING PLAN - DEMOLITION
A2.3	SECOND FLOOR - REFLECTED CEILING PLAN - NEW WORK
A3.0	INTERIOR ELEVATIONS
A3.1	INTERIOR ELEVATIONS
A3.2	INTERIOR ELEVATIONS
A3.3	CASEWORK SECTIONS AND DETAILS
A3.4	SECTIONS AND DETAILS
A3.5	RAISED LOUNGE DETAILS
A4.0	DOOR SCHEDULE, STOREFRONT ELEVATIONS AND DETAILS
A7.0	TYPICAL ANSI DETAILS
F1.0	FINISH PLAN
F1.1	FINISH PLAN - 2ND FLOOR
F1.2	FURNITURE & EQUIPMENT PLAN - FIRST FLOOR
F1.3	FURNITURE & EQUIPMENT PLAN - SECOND FLOOR
P001	LEGEND, NOTES AND ABBREVIATIONS
P002	FIXTURE PLATES
P003	SCHEDULES AND DETAILS
PD101	DEMOLITION FLOOR PLAN
PD102	DEMOLITION ROOF PLAN
P101	NEW WORK FLOOR PLAN - WATER
P102	NEW WORK ROOF PLAN - WATER
P201	NEW WORK FLOOR PLAN - SANITARY
P202	NEW WORK ROOF PLAN - SANITARY
P601	WATER RISER DIAGRAM
P602	WASTE RISER DIAGRAM
P701	SPECIFICATIONS
M001	LEGEND, NOTES AND ABBREVIATIONS
MD101	FIRST FLOOR PLAN - DEMOLITION
MD102	SECOND FLOOR PLAN - DEMOLITION
MD103	ROOF PLAN - DEMOLITION
M101	FIRST FLOOR PLAN - NEW WORK
M102	SECOND FLOOR PLAN - NEW WORK
M103	ROOF PLAN - NEW WORK
M601	DETAILS AND SCHEDULES
M701	SPECIFICATIONS
E0.1	GENERAL NOTES, LEGEND, AND ABBREVIATIONS
ED1.1	DEMOLITION FIRST FLOOR PLAN
ED1.2	DEMOLITION SECOND FLOOR PLAN
E1.1	NEW WORK FIRST FLOOR PLAN -LIGHTING
E1.2	NEW WORK SECOND FLOOR PLAN -LIGHTING
E2.1	NEW WORK FIRST FLOOR PLAN -POWER
E2.2	NEW WORK SECOND FLOOR PLAN -POWER
E3.1	NEW WORK FIRST FLOOR PLAN -SPECIAL SYSTEMS
E3.2	NEW WORK SECOND FLOOR PLAN -SPECIAL SYSTEMS
E5.1	DETAILS, AND RISER DIAGRAM
E5.2	RISER, AND SCHEDULES
E7.1	SPECIFICATIONS

REVISION INFORMATION

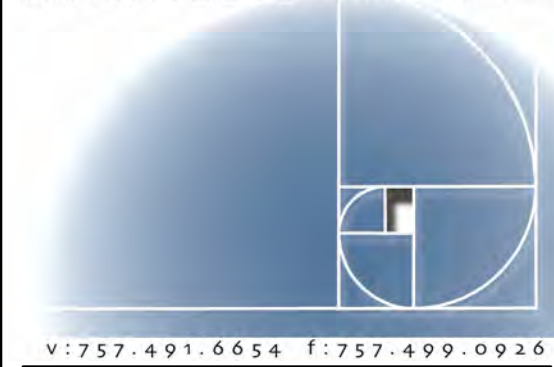
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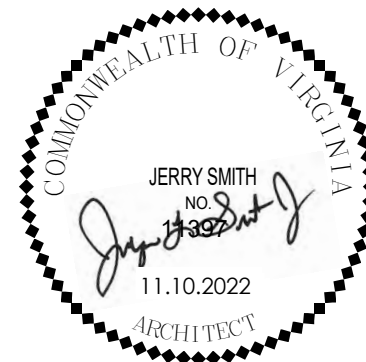
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CHA PROJECT	21293
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COVER

COVER

GENERAL DEMOLITION NOTES

- A. THESE NOTES, SCHEDULES AND KEYNOTES PERTAIN TO ALL ARCHITECTURAL FLOOR PLANS & WORK APPEARING IN THIS DRAWING SET.
- B. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND MEASUREMENTS SHOWN PRIOR TO STARTING WORK AND TO NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND.
- C. DO NOT REMOVE ANY STRUCTURAL ELEMENTS UNLESS SPECIFICALLY NOTED AND APPROVED BY THE STRUCTURAL ENGINEER. CONTRACTOR TO ADEQUATELY BRACE ALL AREAS EFFECTED BY DEMOLITION.
- D. CONTRACTORS SHALL NOTIFY ARCHITECT AND/OR ENGINEER OF ANY UNFORESEEN CONDITIONS THAT MAY AFFECT THE WORK TO BE COMPLETED IF UNCOVERED DURING DEMOLITION.
- E. CONTRACTOR TO STOCK PILE AND PROTECT ALL MATERIALS REMOVED DURING DEMOLITION FOR REUSE AS INDICATED ON THE DRAWINGS AND/OR AS DIRECTED BY THE OWNER'S PROJECT MANAGER. REMOVE AND LEGALLY DISPOSE OF ANY AND ALL MATERIALS NOT TO BE REUSED.
- F. CONTRACTOR SHALL PROTECT ALL EQUIPMENT, CASES, SHELVING, FIXTURES, DOORS, ETC. THAT ARE INTENDED FOR REUSE FROM DAMAGE.
- G. CONTRACTOR SHALL PROTECT ITEMS WITHIN EXISTING WALL CAVITIES (CONDUITS, BLOCKING, INSULATION, ETC) FROM DAMAGE DURING CONSTRUCTION AND RE-ROUTE ITEMS AFFECTED BY WALL REMOVAL AS NEEDED TO PROVIDE A COMPLETE INSTALLATION.
- H. GENERAL CONTRACTOR AND ALL SUBS SHALL VISIT THE SITE PRIOR TO SUBMISSION OF BIDS TO FIELD VERIFY EXISTING CONDITIONS AND GAIN FAMILIARITY WITH THE PROJECT SCOPE AND ENVIRONMENT.
- I. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO IMPLEMENT NEW WORK.
- J. THE CONTRACTOR SHALL COORDINATE ALL AREAS OF DEMOLITION AND REMODEL WITH THE RESPECTIVE TRADES AND BUILDING/MUNICIPAL OFFICIALS TO PROVIDE A COMPLETE AND TIMELY PROJECT.
- K. EXISTING CONDITIONS SHOWN BUT NOT SPECIFICALLY NOTED ARE EXISTING TO REMAIN.
- L. CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ANY AREAS OF THE PROJECT INADVERTENTLY DAMAGED BY CONSTRUCTION ACTIVITY DURING THE PROJECT DURATION.
- M. ALL EXISTING EQUIPMENT TO REMAIN OPERATIONAL DURING THE CONSTRUCTION PERIOD UNLESS NOTED OTHERWISE. SHUT DOWN OF EXISTING SERVICES SHALL ONLY BE PERMITTED UPON WRITTEN APPROVAL FROM OWNER'S PROJECT MANAGER AND THEN SHALL OCCUR ONLY FOR THE DURATION ORIGINALLY AGREED UPON.
- N. CONTRACTOR SHALL REMOVE ALL UNUSED AND/OR ABANDONED PLUMBING, MECHANICAL AND ELECTRICAL ITEMS IN THEIR ENTIRETY AND PROVIDE PROPER CAP TERMINATION BELOW THE SLAB. COORDINATE TERMINATION WITH PLUMBING, MECHANICAL, ELECTRICAL TRADES.
- O. CONTRACTOR TO COORDINATE ANY SANITARY LINE CONNECTIONS AND ROUTING FOR ADDITION OF ANY NEW FLOOR DRAINS - INCLUDING, BUT NOT LIMITED TO REMOVAL AND REPLACEMENT OF CONCRETE SLAB, FINISHES, WALLS, ETC.
- P. ALL FIXTURES REMOVED AND NOT RE-USED SHALL BECOME THE PROPERTY OF THE OWNER. IF THE OWNER ELECTS NOT TO RETAIN FIXTURES, THE CONTRACTOR SHALL REMOVE FIXTURES FROM THE JOB SITE AND DISPOSE OF PROPERLY.
- Q. THESE DOCUMENTS INDICATE GENERAL DEMOLITION WORK TO BE PERFORMED AND DO NOT RELIEVE THE CONTRACTOR FROM ADDITIONAL DEMOLITION WORK THAT MAY BE REQUIRED TO PRODUCE THE BUILDING MODIFICATIONS SHOWN. CONTRACTOR SHALL COORDINATE DEMOLITION WITH ALL TRADES.
- R. FOR ADDITIONAL INFORMATION ON DEMOLITION REQUIREMENTS SEE DEMOLITION SPECIFICATIONS.
- S. CONTRACTOR TO PATCH AND REPAIR ALL DAMAGED FLOORING DUE TO REMODEL WORK. MATCH ADJACENT SURFACES UNLESS OTHERWISE NOTED.
- T. CONTRACTOR TO COORDINATE ANY UNDERFLOOR ELECTRICAL, PLUMBING, MECHANICAL, AND REFRIGERATION WORK WITHIN ALL TRADES TO RUN IN COMMON TRENCHES IF POSSIBLE.
- U. SAW CUT ALL CONCRETE FOR CLEAN, STRAIGHT LINES.
- V. CONTRACTOR TO REMOVE ANY AND ALL FALSE COLUMN ENCLOSURES/REFRIGERATION/ELECTRICAL DROPS THAT ARE NO LONGER IN USE DUE TO REMODEL IN THEIR ENTIRETY. PATCH/REPAIR ANY EFFECTED CEILING AND FLOOR AREAS TO MATCH ADJACENT FINISHES.

GENERAL PROJECT NOTES

- A. THESE NOTES, SCHEDULES AND KEYNOTES PERTAIN TO ALL ARCHITECTURAL FLOOR PLANS & WORK APPEARING IN THIS DRAWING SET.
- B. ALL WALL DIMENSIONS ARE TO FACE OF STUD AND / OR NOMINAL FACE OF MASONRY FOR ALL NEW WORK AND TO FACE OF EXISTING FINISH AT EXISTING WALLS UNLESS OTHERWISE NOTED.
- C. COORDINATE ALL FIXTURE AND EQUIPMENT DIMENSIONS WITH ALL APPLICABLE TRADES TO ENSURE A COMPLETE INSTALLATION.
- D. KEEP ALL NEW PLUMBING LINES, CONDUIT, ETC. ABOVE IN WEB OF JOISTS OR TIGHT TO BOTTOM OF STRUCTURE UNLESS OTHERWISE NOTED.
- E. PAINT ALL EXPOSED SURFACES OF NEW GYPSUM BOARD PARTITIONS/SUSPENDED PARTITIONS UNLESS OTHERWISE NOTED.
- F. CONTRACTOR IS RESPONSIBLE FOR ALL CONCRETE FLOOR BREAKOUTS, TRENCHING, BACKFILL AND COMPACTION FOR ALL BUILDING TRADES IN EXISTING BUILDING AREA. COORDINATE WORK WITH ELECTRICAL, MECHANICAL AND REFRIGERATION WORK AS REQUIRED.
- G. SEAL TIGHT WITH SEALANT ALL NEW THRU-WALL PENETRATIONS INCLUDING BUT NOT LIMITED TO REFRIGERATION LINES, CONDUIT, HVAC, PLUMBING, SPRINKLERS, ETC.
- H. ALL EXISTING EQUIPMENT IS TO REMAIN UNLESS NOTED OTHERWISE.
- I. PATCH AND REPAIR ALL WALLS, FLOOR, SOFFITS, CEILINGS, ETC. TO MATCH EXISTING ADJACENT SURFACES WHERE NEW WORK/DEMOLITION HAS OCCURRED. PREPARE SURFACES FOR NEW FINISHES AS INDICATED.
- J. ALL WORK TO BE DONE IN ACCORDANCE WITH STATE AND LOCAL CODES AND ORDINANCES.
- K. ALL WORK PERFORMED TO BE OF ACCEPTED INDUSTRY STANDARDS AND PRACTICES GOVERNING THE HIGHEST QUALITY OF WORKMANSHIP.
- L. ALL EXTERIOR WOOD BLOCKING AND ALL WOOD IN CONTACT WITH CONCRETE SLABS AND / OR MASONRY TO BE PRESSURE TREATED.
- M. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES, ETC. ASSOCIATED WITH THE EXECUTION AND COMPLETION OF THE WORK.
- N. ALL ABUTTING DISSIMILAR MATERIALS ARE TO BE CAULKED AND SEALED CONTINUOUS. COLOR TO MATCH ADJACENT MATERIALS.
- O. DETAILS SHOWN ARE REPRESENTATIVE OF DESIGN CONCEPT. DETAILS MAY BE MODIFIED TO AFFECT EXISTING CONDITIONS OR INDUSTRY STANDARDS WITH THE APPROVAL OF THE ARCHITECT. HOWEVER, THE BASIC DESIGN AND STRUCTURAL INTENT IS TO BE MAINTAINED.
- P. PRIOR TO ERECTING WALLS, VERIFY TRACK LAYOUT IN FIELD WITH OWNER.
- Q. CONTRACTOR TO VERIFY ALL CONSTRUCTION IS INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS (AS APPLICABLE) AND INSTALLED IN SUCH A MANNER TO MEET ALL APPLICABLE BUILDING CODES.

RECORD
DRAWINGS
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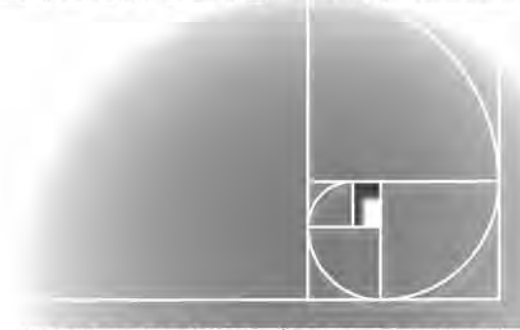
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GENERAL PROJECT NOTES

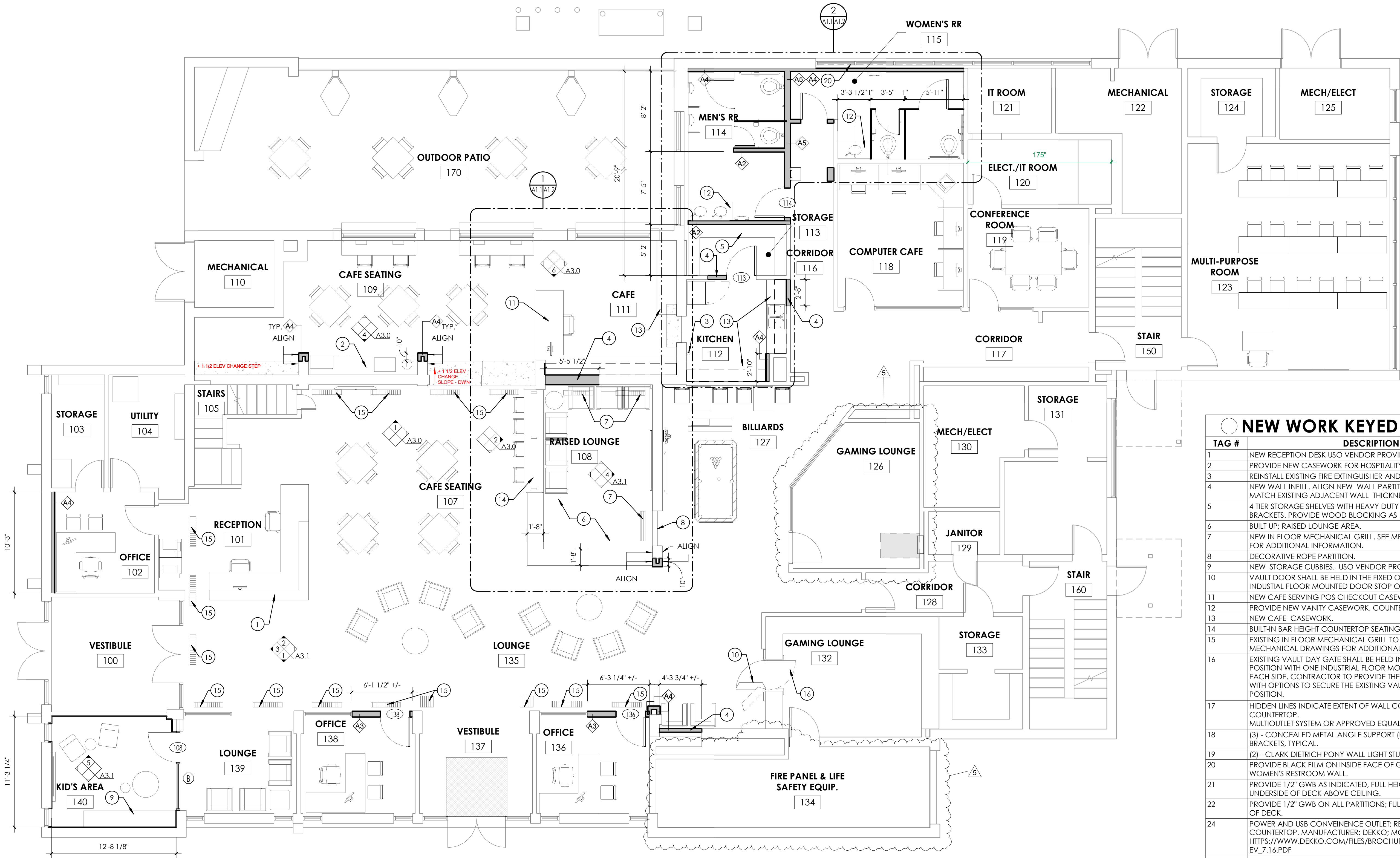
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FIRST FLOOR - DEMOLITION

3/16" = 1'-0"

DEMOLITION KEYED NOTES	
TAG	DESCRIPTION
1	REMOVE DOOR, DOOR, HARDWARE AND DOOR FRAME COMPLETE.
2	REMOVE INTERIOR PARTITION COMPLETE.
3	REMOVE WOOD TRIM AND CARPET FROM WALL AND SOFFIT COMPLETE.
4	EXISTING DAY GATE TO REMAIN. REFURBISH AS REQUIRED FOR NEW WORK
5	REMOVE FLOORING AND BASE COMPLETE.
6	EXISTING VAULT DOOR, DOOR, HARDWARE AND DAY GATE TO REMAIN. REFURBISH AS REQUIRED FOR NEW WORK
7	REMOVE CASEWORK COMPLETE.
8	REMOVE WALL SHELVES AND ACCESSORIES COMPLETE.
9	EXISTING SAFE AND ACCESSORIES TO REMAIN.
10	REMOVE SAFE AND ACCESSORIES COMPLETE.
11	EXISTING GLASS PARTITION AND WOOD TRIM TO REMAIN. PREPARE EXISTING WOOD TRIM TO RECEIVE NEW FINISH.
12	EXISTING FLOOR TILE TO REMAIN. REMOVE FLOOR BASE.
13	REMOVE BUILT IN TELLER STATIONS COMPLETE.
14	REMOVE CARPET ON STAIRS AND STAIR LANDING COMPLETE.
15	REMOVE INSET WALK OFF CARPET COMPLETE.. PREPARE AREA TO RECEIVE NEW CARPET FINISH.
16	REMOVE WOOD WALL PANELING COMPLETE. METAL STUDS TO REMAIN.
17	COORDINATE REMOVAL OF SAFE DEPOSIT BOXES WITH OWNER.
18	REMOVE WINDOW UNIT COMPLETE.
19	EXISTING TELLER WINDOW, METAL COUNTERTOP, DRAWERS AND ACCESSORIES TO REMAIN.
20	REMOVE EXISTING RADIANT HEAT BASEBOARDS.
21	EXISTING WALL SHELVES AND ACCESSORIES TO REMAIN.
22	REMOVE PLUMBING FIXTURE COMPLETE.
23	REMOVE ELECTRICAL WATER COOLER COMPLETE.
24	EXISTING IN FLOOR MECHANICAL AIR DIFFUSER TO REMAIN. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
25	STORAGE ROOM SPACE WALL DIVIDER AND SHELVING UNITS TO REMAIN.
26	REMOVE WALL MOUNTED FIRE EXTINGUISHER AND BRACKET. SAVE FOR REINSTALLATION.
27	REMOVE ACCESSORIES: INCLUDING BUT NOT LIMITED TO: ADA GRAB BARS, SOAP DISPENSERS, TOILET PAPER DISPENSERS, PAPER TOWEL DISPENSERS AND WALL MOUNTED MIRRORS..
28	REMOVE CONCRETE LEDGE/STEP AT LENGTH INDICATED. MATCH ADJACENT SLOPE AND PROVIDE CONCRETE PATCH AS REQUIRED.
29	EXISTING TELLER CASEWORK TO REMAIN. CONTRACTOR SHALL ASSESS EACH UNIT, REPAIR AND REFURBISH ANY PARTS THAT ARE IN DISREPAIR AND/OR MISSING AND RE-SECURE ALL UNITS TO ATTACHED STRUCTURE IF NEEDED. ALL UNITS WILL BE PREPARED TO RECEIVE NEW EXTERIOR PAINT FINISH, SAND, SPACKLE, AND TREAT MINOR DEFECTS TO RENDER THEM SMOOTH. MINOR DEFECTS INCLUDING BUT NOT LIMITED TO SCRATCHES, NICKS, CRACKS, GOUGES, SPALLS, ALLIGATORING, CHALKING, AND IRREGULARITIES DUE TO PARTIAL PEELING OF PREVIOUS COATINGS.
30	EXISTING TELLER BOOTH TO REMAIN.
31	EXISTING PLANTER AND BENCH TO REMAIN. PREPARE BENCH SURFACES FOR NEW PAINT FINISH.



FIRST FLOOR - NEW WORK PLAN
3/16" = 1'-0"

GENERAL PLAN NOTES

- A. FURNITURE SHOWN FOR VISUALIZATION PURPOSES ONLY; TO BE PROVIDED BY OWNERS VENDOR
B. SEE SHEET F1.2 FOR LOCATION AND SIZE OF ALL PROPOSED TV'S.

ALL DATA AND TV ROUGH-IN, CONDUIT AND CABLEING BY CONTRACTOR. PROVIDE CAT-6 CABLE IN EACH CONDUIT FROM EACH DEVICE SHOWN ON ELECTRICAL DRAWINGS TO DESIGNATED IT ROOM 121 CONTRACTOR TO PROVIDE AN ALLOWANCE FOR THE IT RACK [CONTRACTOR FURNISHED, CONTRACTOR INSTALLED] AND TO COORDINATE WITH A LOW VOLTAGE VENDOR.

NEW WORK KEYED NOTES

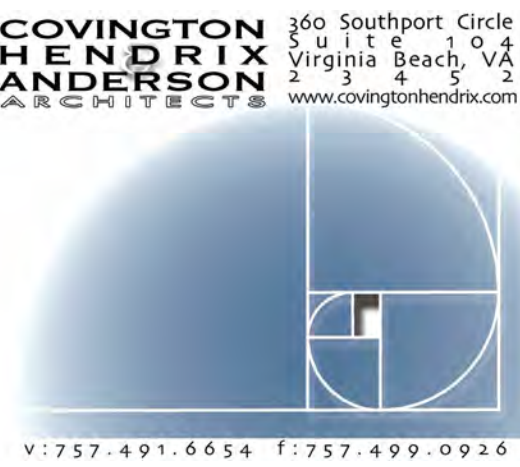
TAG #	DESCRIPTION
1	NEW RECEPTION DESK USO VENDOR PROVIDED.
2	PROVIDE NEW CASEWORK FOR HOSPITALITY STATION
3	REINSTALL EXISTING FIRE EXTINGUISHER AND WALL BRACKET.
4	NEW WALL INFILL. ALIGN NEW WALL PARTITION WITH EXISTING WALL. MATCH EXISTING ADJACENT WALL THICKNESS.
5	4 TIER STORAGE SHELVES WITH HEAVY DUTY METAL STANDARDS AND BRACKETS. PROVIDE WOOD BLOCKING AS REQUIRED.
6	BUILT UP; RAISED LOUNGE AREA.
7	NEW IN FLOOR MECHANICAL GRILL. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
8	DECORATIVE ROPE PARTITION.
9	NEW STORAGE CUBBIES. USO VENDOR PROVIDED.
10	VAULT DOOR SHALL BE HELD IN THE FIXED OPEN POSITION WITH ONE INDUSTRIAL FLOOR MOUNTED DOOR STOP ON EACH SIDE.
11	NEW CAFE SERVING POS CHECKOUT CASEWORK.
12	PROVIDE NEW VANITY CASEWORK, COUNTERTOP AND SINK.
13	NEW CAFE CASEWORK.
14	BUILT-IN BAR HEIGHT COUNTERTOP SEATING.
15	EXISTING IN FLOOR MECHANICAL GRILL TO REMAIN. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
16	EXISTING VAULT DAY GATE SHALL BE HELD IN THE FIXED OPEN POSITION WITH ONE INDUSTRIAL FLOOR MOUNTED DOOR STOP ON EACH SIDE. CONTRACTOR TO PROVIDE THE OWNER AND ARCHITECT WITH OPTIONS TO SECURE THE EXISTING VAULT DAY GATE IN THE OPEN POSITION.
17	HIDDEN LINES INDICATE EXTENT OF WALL CONSTRUCTION BELOW COUNTERTOP. MULTIOUTLET SYSTEM OR APPROVED EQUAL. COLOR BLACK. TYPICAL BRACKETS, TYPICAL.
18	(3) - CONCEALED METAL ANGLE SUPPORT (BLACK) BY CENTERLINE BRACKETS, TYPICAL.
19	(2) - CLARK DIETRICH PONY WALL LIGHT STUD MEMBER (LGPW36)
20	PROVIDE BLACK FILM ON INSIDE FACE OF GLASS BEHIND NEW WOMEN'S RESTROOM WALL.
21	PROVIDE 1/2" GWB AS INDICATED, FULL HEIGHT OF PARTITION TO UNDERSIDE OF DECK ABOVE CEILING.
22	PROVIDE 1/2" GWB ON ALL PARTITIONS; FULL HEIGHT TO UNDERSIDE OF DECK.
24	POWER AND USB CONVENIENCE OUTLET; RECESSED MOUNTED IN COUNTERTOP. MANUFACTURER: DEKKO; MODEL ASHLEY 202. HTTPS://WWW.DEKKO.COM/FILES/BROCHURE_-_ASHLEY_202_SERIES_R EV_7.16.PDF
25	1" FINISHED WOOD TRIM. STAINED TO MATCH LVT-2

INTERIOR PARTITION SCHEDULE

TYPE	DESCRIPTION	NOTES
A2	3 5/8" METAL STUDS @ 16" O.C. & 5/8" GWB ON BOTH SIDES W/ SOUND ATTENUATION BATTS. EXTEND FRAMING & FINISHES TO STRUCTURE ABOVE - BRACE AS REQUIRED, UNLESS OTHERWISE NOTED.	A
A3	6" METAL STUDS @ 16" O.C. & 5/8" GWB ON BOTH SIDES. EXTEND FRAMING & FINISHES TO STRUCTURE ABOVE.	
A4	3 5/8" METAL STUDS @ 16" O.C.W/ 5/8" GWB 1 SIDE EXTEND FRAMING AND FINISH TO UNDERSIDE EXISTING DECK ABOVE.	
A5	6" METAL STUDS @ 16" O.C. & 5/8" GWB ON BOTH SIDES. EXTEND FRAMING & FINISHES W/ SOUND ATTENUATION BATTS TO STRUCTURE ABOVE - BRACE AS REQUIRED	

INTERIOR PARTITION SCHEDULE NOTES

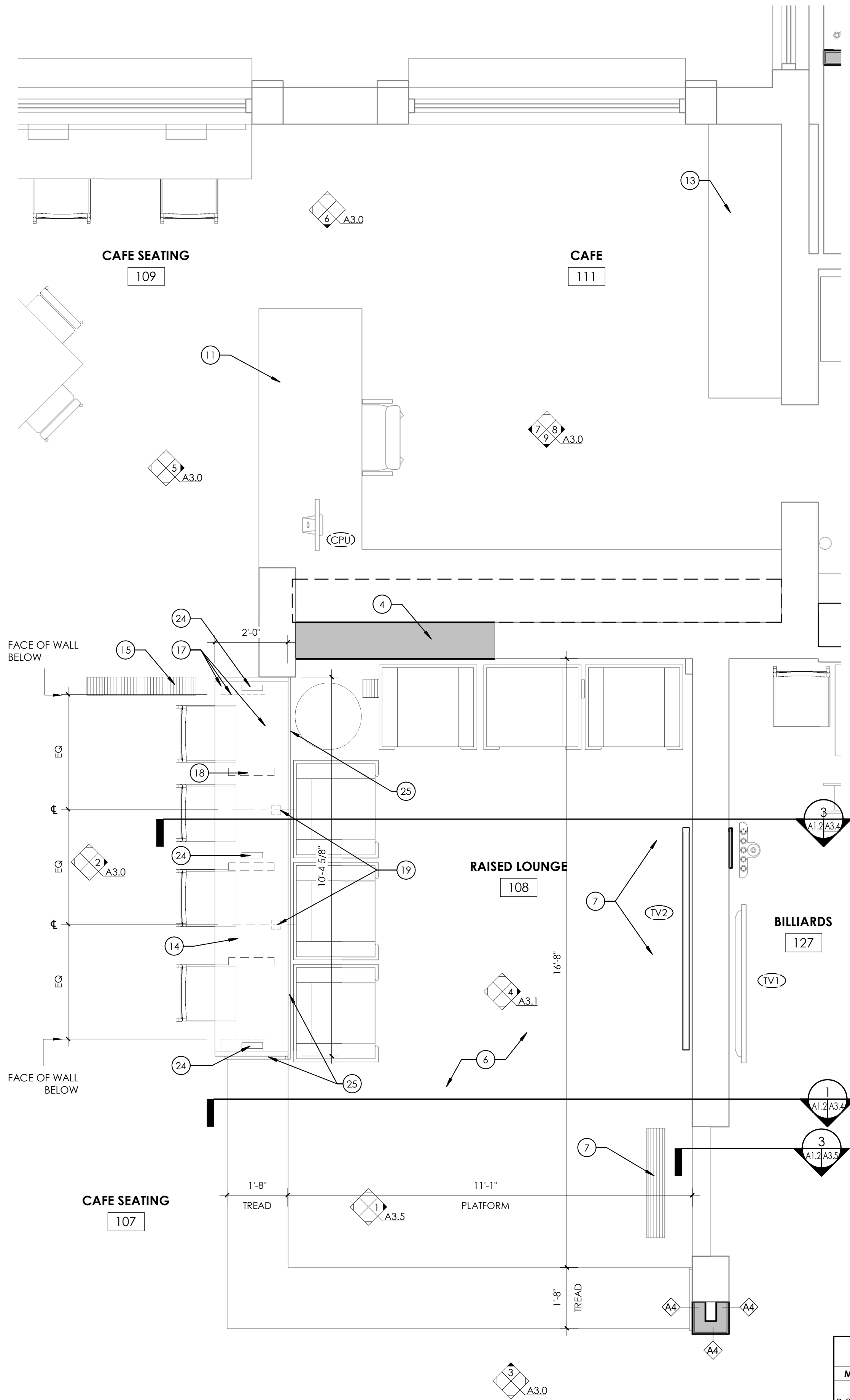
1. TYPICAL WALL CONSTRUCTION SHALL BE METAL STUDS @ 16" OC WITH GYPSUM BOARD BOTH SIDES FROM FINISH FLOOR TO 6" ABOVE CEILING UNLESS OTHERWISE NOTED.
2. ADJACENT WALL AND CEILING CONSTRUCTION FOR ALL AREAS BEING MODIFIED.



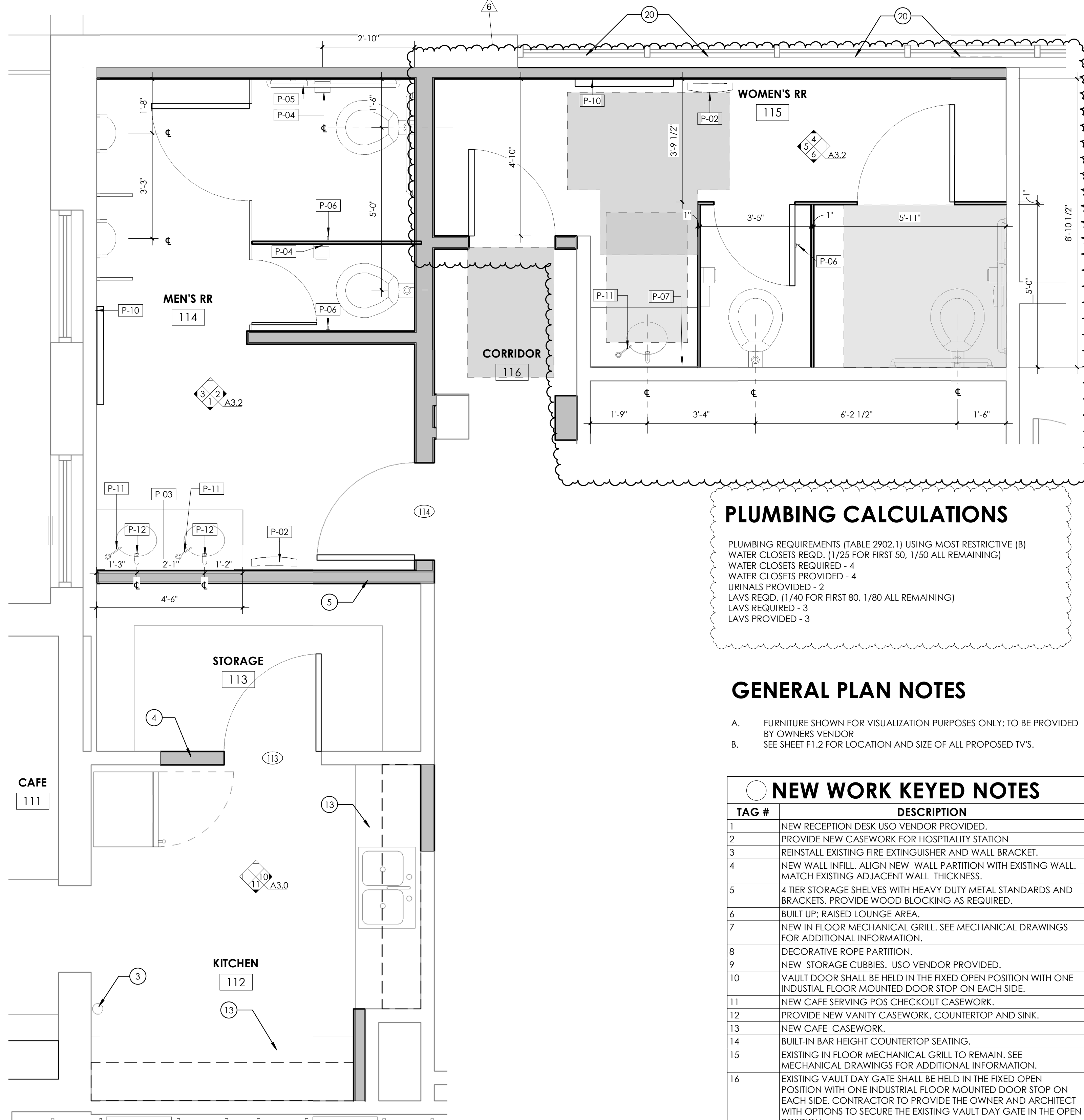
CHA PROJECT 21293
ISSUE DATE 11.10.2022
REVISION NO. 5 DATE 2023.08.15

FIRST FLOOR PLAN - NEW WORK

A1.1



1 ENLARGED FLOOR PLAN - NEW WORK
1/2" = 1'-0"



2 ENLARGED FLOOR PLAN - NEW WORK
1/2" = 1'-0"

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MANUFACTURER/BASIS OF DESIGN	MODEL NUMBER	COMMENTS
P-02	RECESSED COMBINATION TOWEL DISPENSER AND WASTE RECEPTACLE	BOBRICK WASHROOM EQUIPMENT, INC.	B-43944	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-03	48" HEIGHT X 54" WIDTH ROLLED FORMED STAINLESS STEEL FRAMED MIRROR	--		CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-04	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER	BOBRICK WASHROOM EQUIPMENT, INC.	B-42888	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-05	GRAB BARS	BOBRICK WASHROOM EQUIPMENT, INC.	B 6806X42, B 6806X36, B 6806X18	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-06	BRUSHED STAINLESS STEEL SINGLE PRONG COAT HOOK	SUNHOUSE COATHOOKS.COM	241-658 - 1.65" LONG	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-07	48" HEIGHT X40" WIDTH ROLLED FORMED STAINLESS STEEL FRAMED MIRROR	--		CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-09	SANITARY NAPKIN DISPOSAL	BOBRICK WASHROOM EQUIPMENT, INC.	B-270	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-10	SURFACE MOUNTED BABY CHANGING STATION	KOALA KARE	KB110-SSWM	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-11	AUTOMATIC LAVATORY MOUNTED SOAP DISPENSER	SLOAN	EFT-80 [POLISHED CHROME]	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-12	AUTOMATIC FAUCET	SLOAN	EFT-800 [POLISHED CHROME]	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)

PLUMBING CALCULATIONS

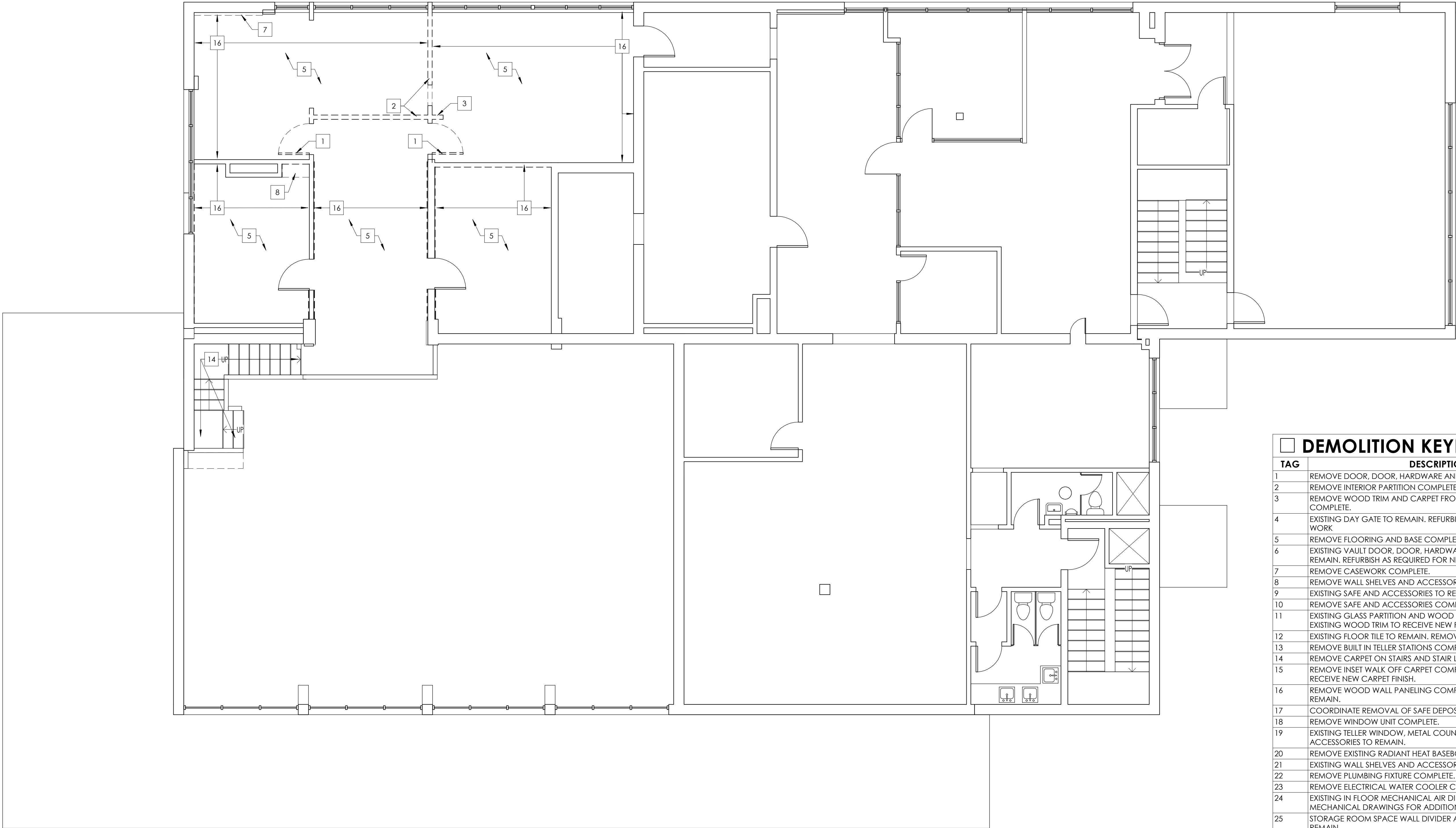
PLUMBING REQUIREMENTS (TABLE 2902.1) USING MOST RESTRICTIVE (B)
WATER CLOSETS REQD. (1/25 FOR FIRST 50, 1/50 ALL REMAINING)
WATER CLOSETS REQUIRED - 4
WATER CLOSETS PROVIDED - 4
URINALS PROVIDED - 2
LAVS REQD. (1/40 FOR FIRST 80, 1/80 ALL REMAINING)
LAVS REQUIRED - 3
LAVS PROVIDED - 3

GENERAL PLAN NOTES

- A. FURNITURE SHOWN FOR VISUALIZATION PURPOSES ONLY; TO BE PROVIDED BY OWNERS VENDOR
B. SEE SHEET F1.2 FOR LOCATION AND SIZE OF ALL PROPOSED TV'S.

NEW WORK KEYED NOTES

TAG #	DESCRIPTION
1	NEW RECEPTION DESK USO VENDOR PROVIDED.
2	PROVIDE NEW CASEWORK FOR HOSPITALITY STATION
3	REINSTALL EXISTING FIRE EXTINGUISHER AND WALL BRACKET.
4	NEW WALL INFILL. ALIGN NEW WALL PARTITION WITH EXISTING WALL. MATCH EXISTING ADJACENT WALL THICKNESS.
5	4 TIER STORAGE SHELVES WITH HEAVY DUTY METAL STANDARDS AND BRACKETS. PROVIDE WOOD BLOCKING AS REQUIRED.
6	BUILT UP; RAISED LOUNGE AREA.
7	NEW IN FLOOR MECHANICAL GRILL. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
8	DECORATIVE ROPE PARTITION.
9	NEW STORAGE CUBBIES. USO VENDOR PROVIDED.
10	VAULT DOOR SHALL BE HELD IN THE FIXED OPEN POSITION WITH ONE INDUSTRIAL FLOOR MOUNTED DOOR STOP ON EACH SIDE.
11	NEW CAFE SERVING POS CHECKOUT CASEWORK.
12	PROVIDE NEW VANITY CASEWORK, COUNTERTOP AND SINK.
13	NEW CAFE CASEWORK.
14	BUILT-IN BAR HEIGHT COUNTERTOP SEATING.
15	EXISTING IN FLOOR MECHANICAL GRILL TO REMAIN. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
16	EXISTING VAULT DAY GATE SHALL BE HELD IN THE FIXED OPEN POSITION WITH ONE INDUSTRIAL FLOOR MOUNTED DOOR STOP ON EACH SIDE. CONTRACTOR TO PROVIDE THE OWNER AND ARCHITECT WITH OPTIONS TO SECURE THE EXISTING VAULT DAY GATE IN THE OPEN POSITION.
17	HIDDEN LINES INDICATE EXTENT OF WALL CONSTRUCTION BELOW COUNTERTOP. MULTIOUSET SYSTEM OR APPROVED EQUAL. COLOR BLACK, TYPICAL
18	(3) - CONCEALED METAL ANGLE SUPPORT (BLACK) BY CENTERLINE BRACKETS, TYPICAL.
19	(2) - CLARK DIETRICH PONY WALL LIGHT STUD MEMBER (LGPW36)
20	PROVIDE BLACK FILM ON INSIDE FACE OF GLASS BEHIND NEW WOMEN'S RESTROOM WALL.
21	PROVIDE 1/2" GWB AS INDICATED, FULL HEIGHT OF PARTITION TO UNDERSIDE OF DECK ABOVE CEILING.
22	PROVIDE 1/2" GWB ON ALL PARTITIONS; FULL HEIGHT TO UNDERSIDE OF DECK.
24	POWER AND USB CONVENIENCE OUTLET; RECESSED MOUNTED IN COUNTERTOP. MANUFACTURER: DEKKO; MODEL ASHLEY 202. HTTPS://WWW.DEKKO.COM/FILES/BROCHURE_-_ASHLEY_202_SERIES_REV_7.16.PDF
25	1" FINISHED WOOD TRIM. STAINED TO MATCH LVT-2



DEMOLITION KEYED NOTES	
TAG	DESCRIPTION
1	REMOVE DOOR, DOOR, HARDWARE AND DOOR FRAME COMPLETE.
2	REMOVE INTERIOR PARTITION COMPLETE.
3	REMOVE WOOD TRIM AND CARPET FROM WALL AND SOFFIT COMPLETE.
4	EXISTING DAY GATE TO REMAIN. REFURBISH AS REQUIRED FOR NEW WORK
5	REMOVE FLOORING AND BASE COMPLETE.
6	EXISTING VAULT DOOR, DOOR, HARDWARE AND DAY GATE TO REMAIN. REFURBISH AS REQUIRED FOR NEW WORK
7	REMOVE CASEWORK COMPLETE.
8	REMOVE WALL SHELVES AND ACCESSORIES COMPLETE.
9	EXISTING SAFE AND ACCESSORIES TO REMAIN.
10	REMOVE SAFE AND ACCESSORIES COMPLETE.
11	EXISTING GLASS PARTITION AND WOOD TRIM TO REMAIN. PREPARE EXISTING WOOD TRIM TO RECEIVE NEW FINISH.
12	EXISTING FLOOR TILE TO REMAIN. REMOVE FLOOR BASE.
13	REMOVE BUILT IN TELLER STATIONS COMPLETE.
14	REMOVE CARPET ON STAIRS AND STAIR LANDING COMPLETE.
15	REMOVE INSET WALK OFF CARPET COMPLETE.. PREPARE AREA TO RECEIVE NEW CARPET FINISH.
16	REMOVE WOOD WALL PANELING COMPLETE. METAL STUDS TO REMAIN.
17	COORDINATE REMOVAL OF SAFE DEPOSIT BOXES WITH OWNER.
18	REMOVE WINDOW UNIT COMPLETE.
19	EXISTING TELLER WINDOW, METAL COUNTERTOP, DRAWERS AND ACCESSORIES TO REMAIN.
20	REMOVE EXISTING RADIANT HEAT BASEBOARDS.
21	EXISTING WALL SHELVES AND ACCESSORIES TO REMAIN.
22	REMOVE PLUMBING FIXTURE COMPLETE.
23	REMOVE ELECTRICAL WATER COOLER COMPLETE.
24	EXISTING IN FLOOR MECHANICAL AIR DIFFUSER TO REMAIN. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
25	STORAGE ROOM SPACE WALL DIVIDER AND SHELVING UNITS TO REMAIN.
26	REMOVE WALL MOUNTED FIRE EXTINGUISHER AND BRACKET. SAVE FOR REINSTALLATION.
27	REMOVE ACCESSORIES; INCLUDING BUT NOT LIMITED TO; ADA GRAB BARS, SOAP DISPENSERS, TOILET PAPER DISPENSERS, PAPER TOWEL DISPENSERS AND WALL MOUNTED MIRRORS..
28	REMOVE CONCRETE LEDGE/STEP AT LENGTH INDICATED. MATCH ADJACENT SLOPE AND PROVIDE CONCRETE PATCH AS REQUIRED.
29	EXISTING TELLER WRITING CASEWORK TO REMAIN. PREPARE SURFACES FOR NEW PAINT FINISH.
30	EXISTING TELLER BOOTH TO REMAIN.
31	EXISTING PLANTER AND BENCH TO REMAIN. PREPARE BENCH SURFACES FOR NEW PAINT FINISH.

SECOND FLOOR - DEMOLITION
3/16" = 1'-0"

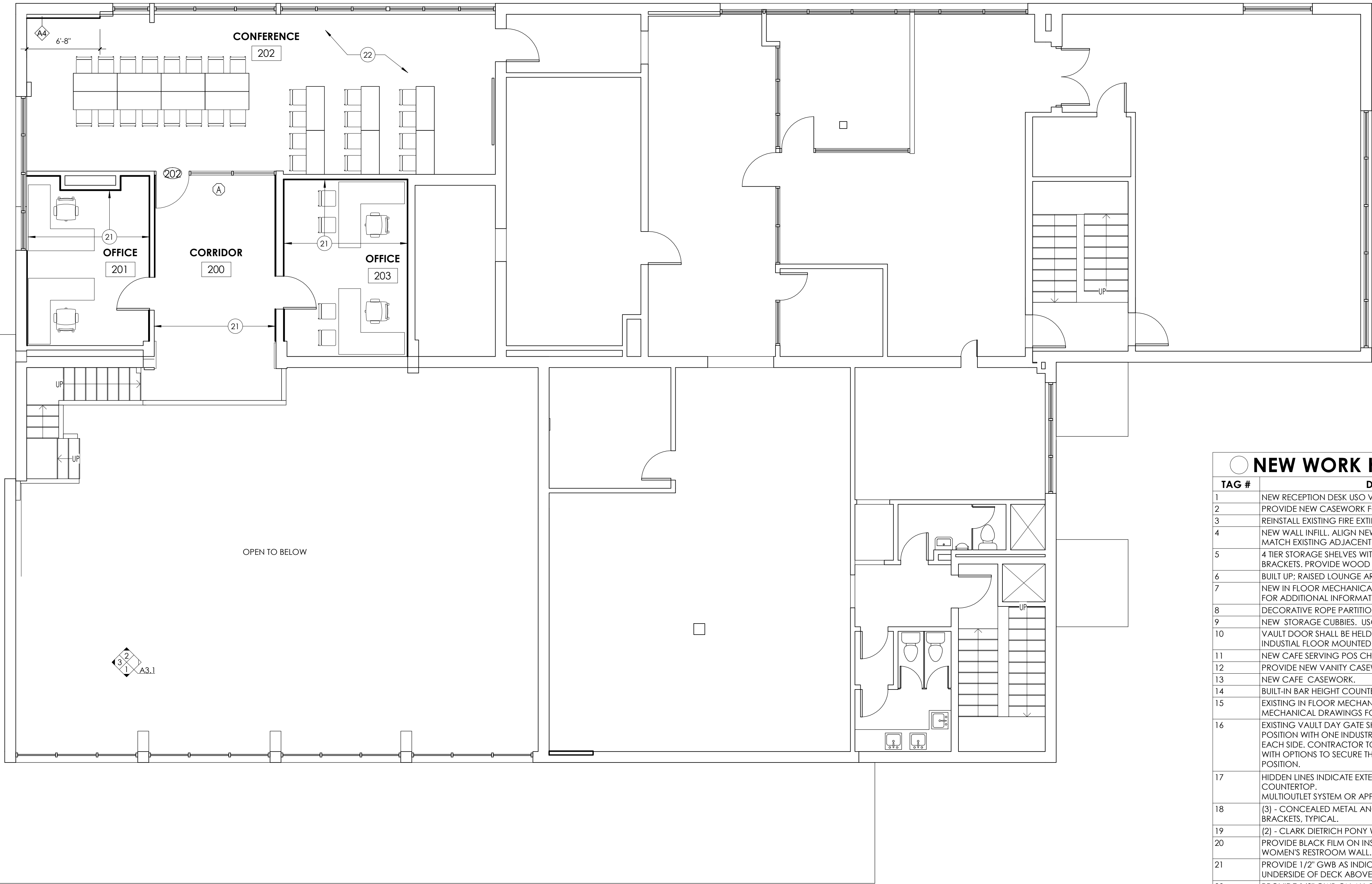
INTERIOR RENOVATIONS
USO FORT BENNING BLDG 109
FORT BENNING, GA

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ISSUE DATE 11.10.2022
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SECOND FLOOR PLAN -
DEMOLITION



SECOND FLOOR - NEW WORK PLAN
3/16" = 1'-0"

ALL DATA AND TV ROUGH-IN, CONDUIT AND CABLEING BY CONTRACTOR. PROVIDE CAT-6 CABLE IN EACH CONDUIT FROM EACH DEVICE SHOWN ON ELECTRICAL DRAWINGS TO DESIGNATED IT ROOM 121. CONTRACTOR TO PROVIDE AN ALLOWANCE FOR THE IT RACK [CONTRACTOR FURNISHED, CONTRACTOR INSTALLED] AND TO COORDINATE WITH A LOW VOLTAGE VENDOR.

NEW WORK KEYED NOTES	
TAG #	DESCRIPTION
1	NEW RECEPTION DESK USO VENDOR PROVIDED.
2	PROVIDE NEW CASEWORK FOR HOSPITALITY STATION
3	REINSTALL EXISTING FIRE EXTINGUISHER AND WALL BRACKET.
4	NEW WALL INFILL. ALIGN NEW WALL PARTITION WITH EXISTING WALL. MATCH EXISTING ADJACENT WALL THICKNESS.
5	4 TIER STORAGE SHELVES WITH HEAVY DUTY METAL STANDARDS AND BRACKETS. PROVIDE WOOD BLOCKING AS REQUIRED.
6	BUILT UP; RAISED LOUNGE AREA.
7	NEW IN FLOOR MECHANICAL GRILL. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
8	DECORATIVE ROPE PARTITION.
9	NEW STORAGE CUBBIES. USO VENDOR PROVIDED.
10	VAULT DOOR SHALL BE HELD IN THE FIXED OPEN POSITION WITH ONE INDUSTRIAL FLOOR MOUNTED DOOR STOP ON EACH SIDE.
11	NEW CAFE SERVING POS CHECKOUT CASEWORK.
12	PROVIDE NEW VANITY CASEWORK, COUNTERTOP AND SINK.
13	NEW CAFE CASEWORK.
14	BUILT-IN BAR HEIGHT COUNTERTOP SEATING.
15	EXISTING IN FLOOR MECHANICAL GRILL TO REMAIN. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
16	EXISTING VAULT DAY GATE SHALL BE HELD IN THE FIXED OPEN POSITION WITH ONE INDUSTRIAL FLOOR MOUNTED DOOR STOP ON EACH SIDE. CONTRACTOR TO PROVIDE THE OWNER AND ARCHITECT WITH OPTIONS TO SECURE THE EXISTING VAULT DAY GATE IN THE OPEN POSITION.
17	HIDDEN LINES INDICATE EXTENT OF WALL CONSTRUCTION BELOW COUNTERTOP. MULTIOUTLET SYSTEM OR APPROVED EQUAL. COLOR BLACK, TYPICAL
18	(3) - CONCEALED METAL ANGLE SUPPORT (BLACK) BY CENTERLINE BRACKETS, TYPICAL.
19	(2) - CLARK DIETRICH PONY WALL LIGHT STUD MEMBER (LGPW36)
20	PROVIDE BLACK FILM ON INSIDE FACE OF GLASS BEHIND NEW WOMEN'S RESTROOM WALL.
21	PROVIDE 1/2" GWB AS INDICATED. FULL HEIGHT OF PARTITION TO UNDERSIDE OF DECK ABOVE CEILING.
22	PROVIDE 1/2" GWB ON ALL PARTITIONS; FULL HEIGHT TO UNDERSIDE OF DECK.
24	POWER AND USB CONVENIENCE OUTLET; RECESSED MOUNTED IN COUNTERTOP. MANUFACTURER: DEKKO; MODEL ASHLEY 202. HTTPS://WWW.DEKKO.COM/FILES/BROCHURE_-_ASHLEY_202_SERIES_REV_7.16.PDF
25	1" FINISHED WOOD TRIM. STAINED TO MATCH LVT-2

INTERIOR PARTITON SCHEDULE		
TYPE	DESCRIPTION	NOTES
		A
A2	3 5/8" METAL STUDS @ 16" O.C. & 5/8 GWB ON BOTH SIDES W/ SOUND ATTENUATION BATTS. EXTEND FRAMING & FINISHES TO STRUCTURE ABOVE - BRACE AS REQUIRED, UNLESS OTHERWISE NOTED.	
A3	6" METAL STUDS @ 16" O.C. & 5/8 GWB ON BOTH SIDES. EXTEND FRAMING & FINISHES TO STRUCTURE ABOVE.	
A4	3 5/8" METAL STUDS @ 16" O.C. W/ 5/8" GWB 1 SIDE EXTEND FRAMING AND FINISH TO UNDERSIDE EXISTING DECK ABOVE.	
A5	6" METAL STUDS @ 16" O.C. & 5/8 GWB ON BOTH SIDES. EXTEND FRAMING & FINISHES W/ SOUND ATTENUATION BATTS TO STRUCTURE ABOVE - BRACE AS REQUIRED	

INTERIOR PARTITION SCHEDULE NOTES

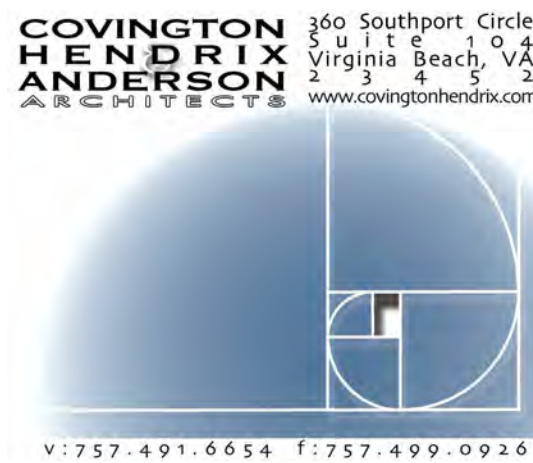
- TYPICAL WALL CONSTRUCTION SHALL BE METAL STUDS @ 16" OC WITH GYPSUM BOARD BOTH SIDES FROM FINISH FLOOR TO 6" ABOVE CEILING UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE SPECIFIED, CONTRACTOR TO MATCH EXISTING ADJACENT WALL AND CEILING CONSTRUCTION FOR ALL AREAS BEING MODIFIED.



CHA PROJECT 21293
ISSUE DATE 11.10.2022
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SECOND FLOOR PLAN - NEW WORK

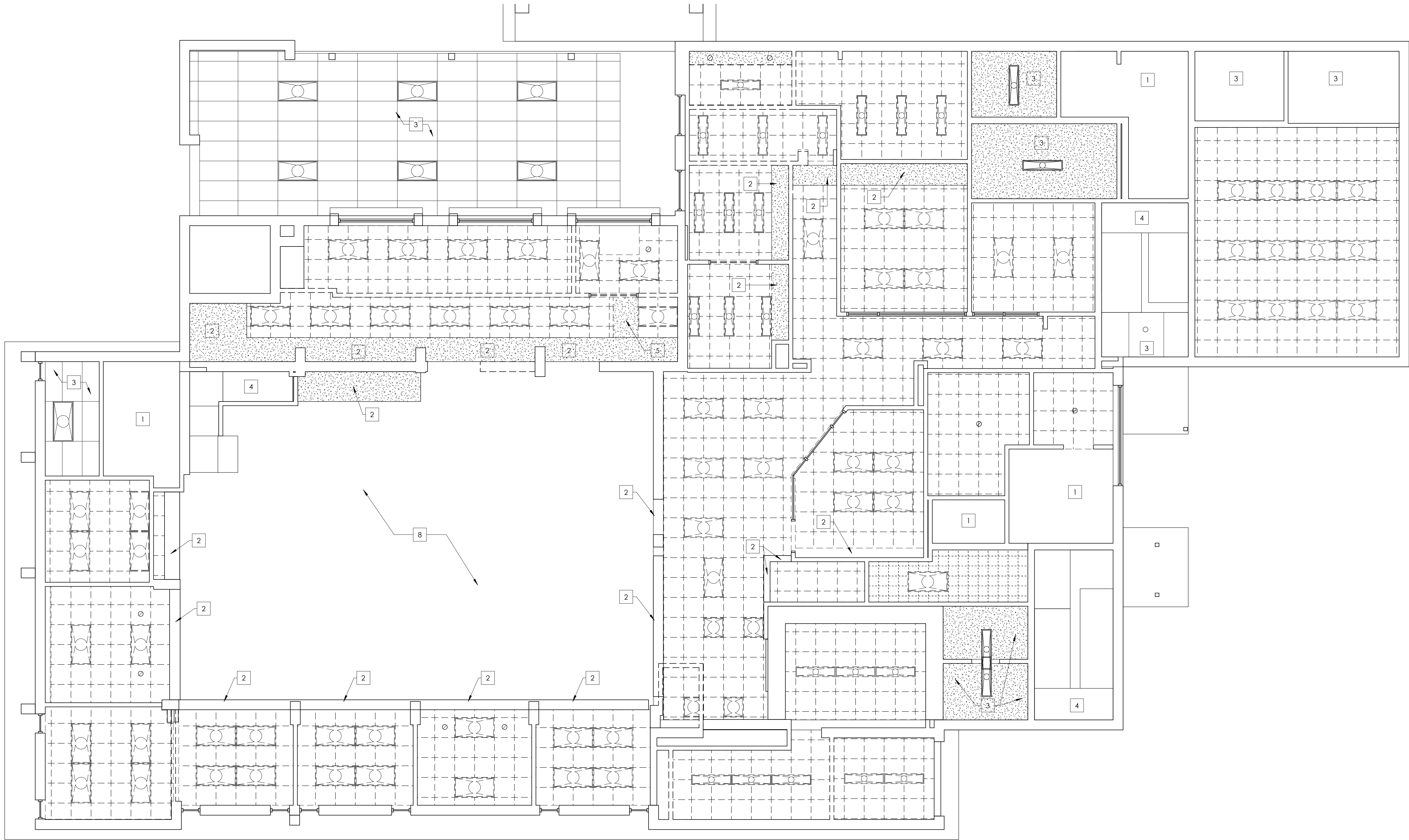
INTERIOR RENOVATIONS
USO FORT BENNING BLDG 109
FORT BENNING, GA



CHA PROJECT 21293
ISSUE DATE 11.10.2022
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FIRST FLOOR - REFLECTED
CEILING PLAN - DEMOLITION

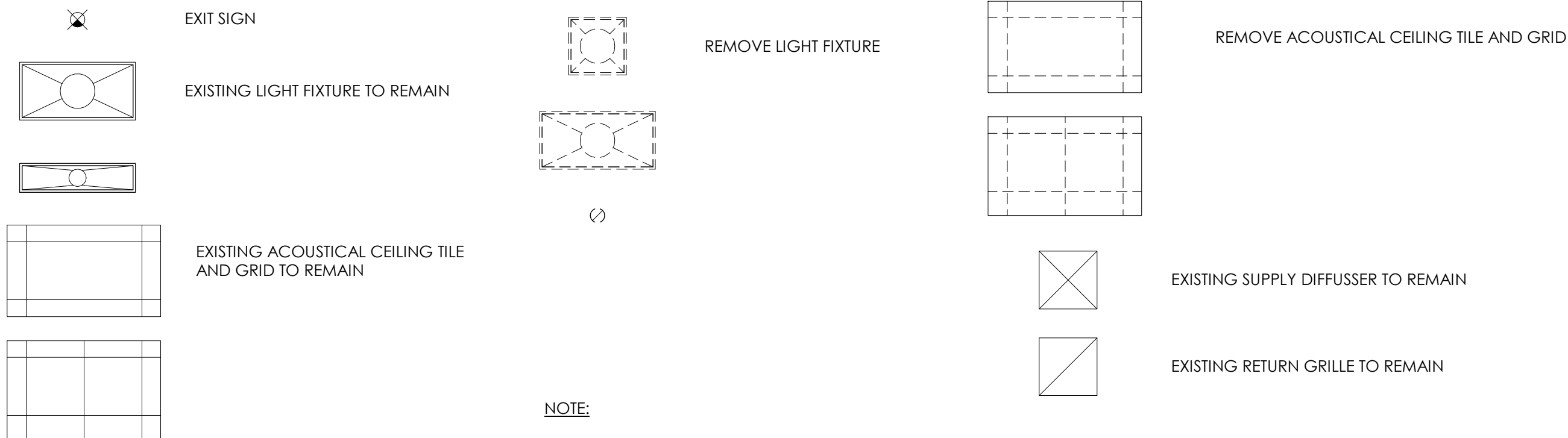
A2.0



REFLECTED CEILING PLAN - DEMOLITION

3/16" = 1'-0"

CEILING PLAN LEGEND - DEMOLITION



NOTE:

CONTRACTOR TO VERIFY IF EXISTING 2 X 2 LIGHTS
ARE LED. IF SO CONSULT WITH OWNER TO SEE IF
THEY WANT TO KEEP EXISTING.

RCP DEMOLITION KEYED NOTES

TAG	DESCRIPTION
1	NO CEILING EXPOSED STRUCTURE AND BOTTOM OF FLOOR DECK ABOVE.
2	EXISTING SOFFIT/BULKHEAD TO REMAIN.
3	EXISTING CEILING TO REMAIN.
4	EXISTING STAIRS.
5	REMOVE SOFFIT/BULKHEAD.
6	EXISTING WINDOW SHADE ASSEMBLY AND DEVICES TO REMAIN. REFURBISH AND REPAIR AS REQUIRED.
7	EXISTING METAL STUD AND GWB WRAPPED BEAM TO REMAIN. PREPARE TO RECEIVE NEW PAINT FINISH. SEE FINISH LEGEND FOR COLOR.
8	EXISTING 2 STORY ATRIUM SPACE. SEE SECOND FLOOR RCP FOR LAYOUT.



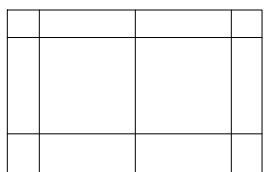


RCP NEW WORK KEYED NOTES	
TAG	DESCRIPTION
1	NO CEILING EXPOSED STRUCTURE AND BOTTOM OF FLOOR DECK ABOVE.
2	NO WORK THIS AREA.
3	EXISTING GWB SOFFIT/BULKHEAD TO REMAIN
4	EXISTING STAIRS.
5	EXISTING 2 STORY ATRIUM SPACE. SEE SECOND FLOOR RCP FOR LAYOUT.
6	EXISTING METAL STUD AND GWB WRAPPED BEAM TO REMAIN. PREPARE TO RECEIVE NEW PAINT FINISH (PT-2) ON ALL SIDES.
7	EXISTING CEILING TO REMAIN EXCEPT FOR CONTRACTOR TO REPAIR RCP SOFFIT AS REQUIRED.
8	NEW 6" METAL STUD AND GWB BULKHEAD WITH BOTTOM FACE AT 7'-2" A.F.F. COORDINATE WITH STOREFRONT IN NEW WORK PLAN.
9	EXTEND EXISTING GWB SOFFIT TO THE EXTENTS INDICATED.
10	EXISTING GWB WINDOW POCKET. PAINT ENTIRE POCKET PT-1
11	NEW GWB SOFFIT/BULKHEAD INFILL. MATCH ADJACENT HEIGHT OF EXISTING.

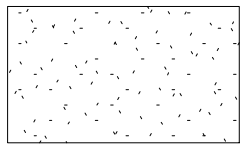
LIGHT FIXTURE LEGEND		
LIGHT FIXTURE TAG	DESCRIPTION	NOTES
L1	MANUFACTURER: LITHONIA LIGHTING MODEL: BLT SERIES - LOW PROFILE RECESSED LED LUMINAIRE DIFFUSER: AD5M CURVED SMOOTH SIZE: 2' X 2'	
L2	MANUFACTURER: LITHONIA LIGHTING MODEL: REALITY 6" LED MODULE FINISH: WHITE SIZE: 6"	
L3	MANUFACTURER: LITHONIA LIGHTING MODEL: BLT SERIES - LOW PROFILE RECESSED LED LUMINAIRE DIFFUSER: AD5M CURVED SMOOTH SIZE: 2' X 4'	
L4	MANUFACTURER: TRULY GREEN SOLUTIONS MODEL: ECO PANEL LIGHTS 110 COLOR: WHITE SIZE: 2' X 2' MOUNTING HT: RECESSED COLOR TEMPERATURE: 3500K VOLTAGE: 277V	
L5	MANUFACTURER: AXIS VENDOR: LIGHTING ENVIRONMENTS MODEL: SKYE POOL 2" STEPLES FINISH: WHITE SIZE: 2' X 2' MOUNTING HT: RECESSED COLOR TEMPERATURE: 3500K VOLTAGE: 277V	
L6	MANUFACTURER: BETA-CALCO MODEL: MICRO TRIANGLE SE COLOR: LIGHT CHERRY SIZE: 24" MOUNTING HT: SURFACE MOUNTED	
L7	MANUFACTURER: BETA-CALCO MODEL: MACRO CROSS SIZE: 57" DIRECT COLOR: LIGHT CHERRY MOUNTING: HT: BOTTOM OF FIXTURE @ 7'-0" A.F.F. FINISH: WHITE SIZE: 6"	
L8	MANUFACTURER: NOVA FLEX MODEL: DYNAMIC RGB/RGBW COLOR: RGB MOUNTING: 3M ADHESIVE SURFACE MOUNTED SIZE: CUT MARK @ 3.93"	

REFLECTED CEILING PLAN - NEW WORK
3/16" = 1'-0"

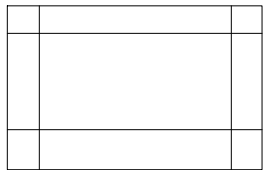
CEILING PLAN LEGEND - NEW WORK



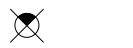
ACT-1
NEW CEILING GRID AND TILE
MANUFACTURER: ARMSTRONG
STYLE: ULTIMA, TEGULAR FINE FISSURED
FINISH: WHITE
SIZE: 24 X 24
GRID: 15/16" PRELUDE (WHITE)



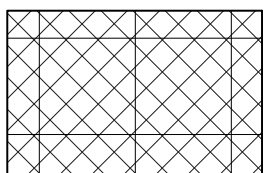
NEW SOFFIT/BULKHEAD



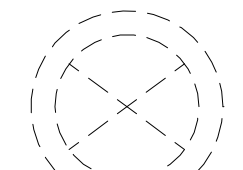
ACT-2
NEW CEILING GRID AND TILE
MANUFACTURER: ARMSTRONG
STYLE: ULTIMA, TEGULAR FINE FISSURED
FINISH: WHITE
SIZE: 24 X 48
GRID: 15/16" PRELUDE (WHITE)



EXIT SIGN



ACT-3
NEW CEILING GRID AND TILE
MANUFACTURER: ARMSTRONG
STYLE: BACKSTAGE NOIR
FINISH: BLACK
SIZE: 24 X 24
GRID: 15/16" PRELUDE (BLACK)



"CI"
OR
"PO"

(3) ACOUSTICAL PENDANT
MANUFACTURER: DELRAY
PRODUCT: ACOUSTICAL BAFFLE
COLLECTION: SABIN
STYLE: SHY - HYPERION
FINISH: FELT
COLOR: CI - CITROUILLE; PO - POIRE
SIZE: 5'-65.10" H 28"
INSTALLATION: SUSPENDED FROM CEILING

2023 02 28 - RFI 003 - VAULT ROOM DUCT ROUTING

2023 08 07 - VAULT ROOM NOT IN SCOPE, NO
WORK EXCEPT FOR ACCESS DOOR FOR FIRE
ALARM PANEL MAINTENANCE DURING THE
COURSE OF THE YEAR

COVINGTON
HENDRIX
ANDERSON
ARCHITECTS

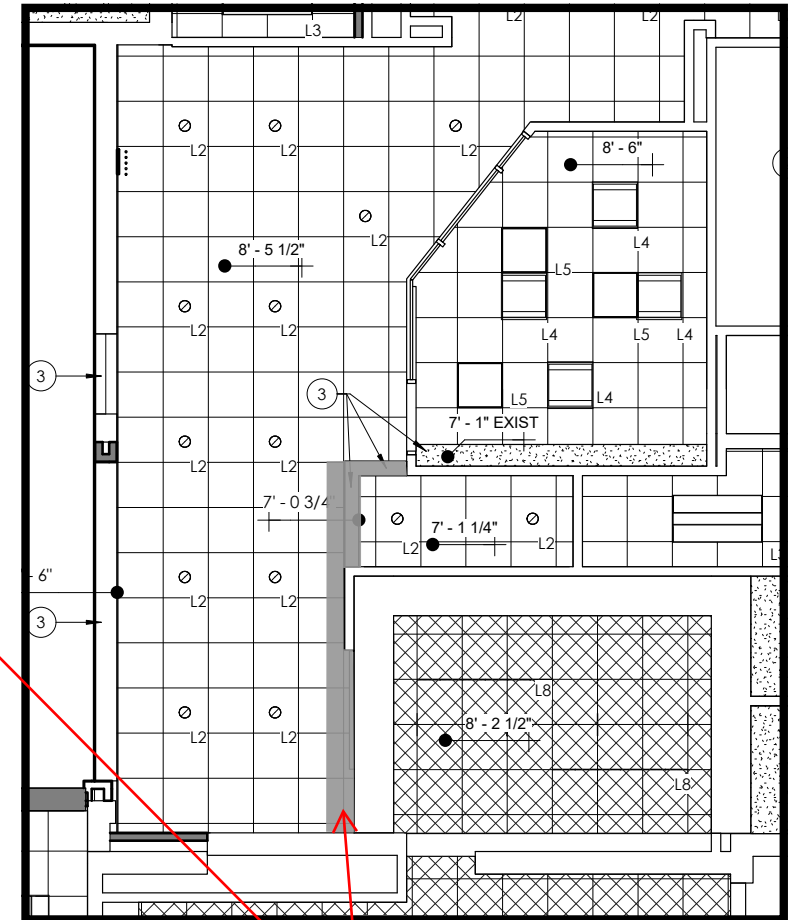
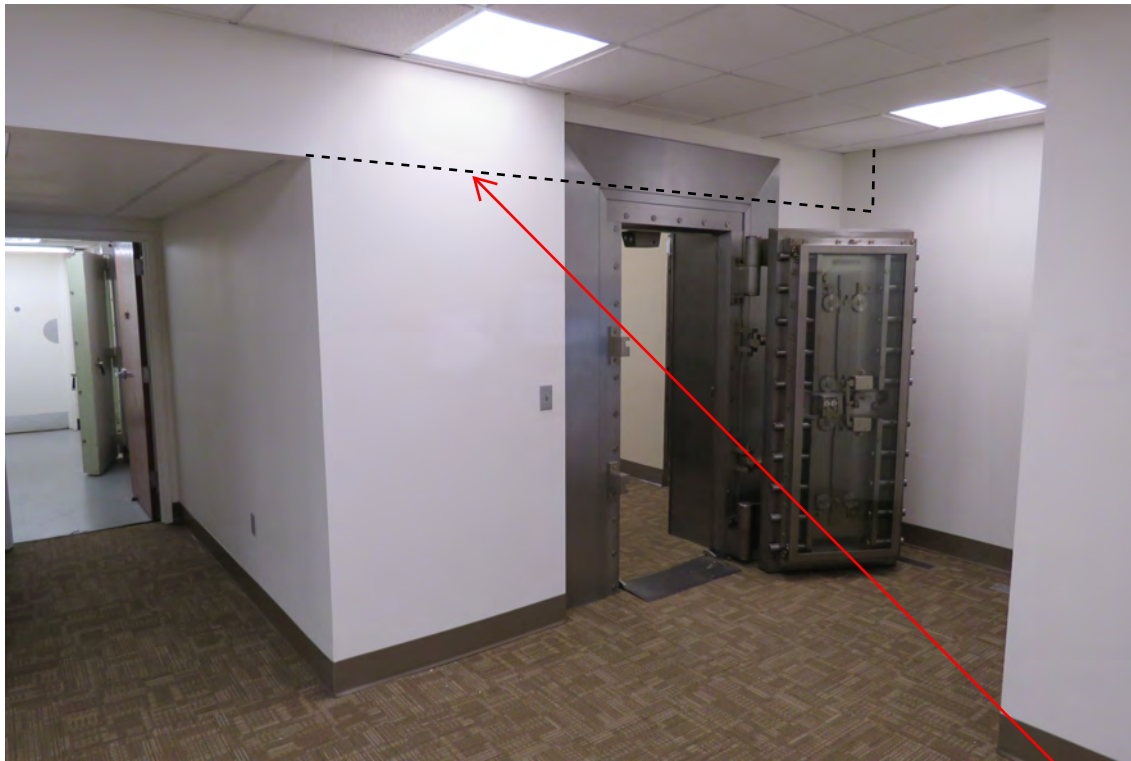


V: 757.491.6654 F: 757.499.0926



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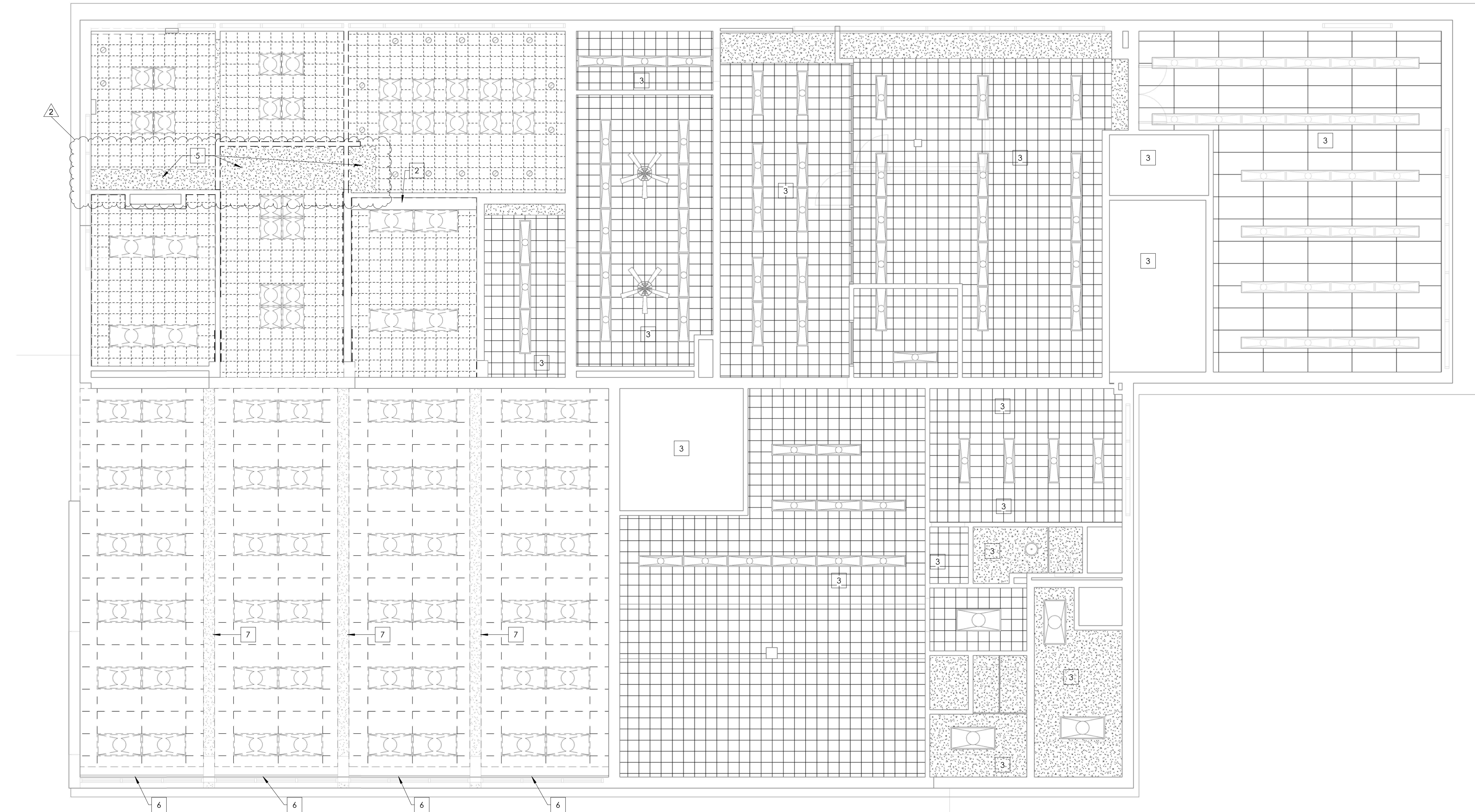
FIRST FLOOR - REFLECTED
CEILING PLAN - NEW WORK



NEW SOFFIT @ 7'-3/4"

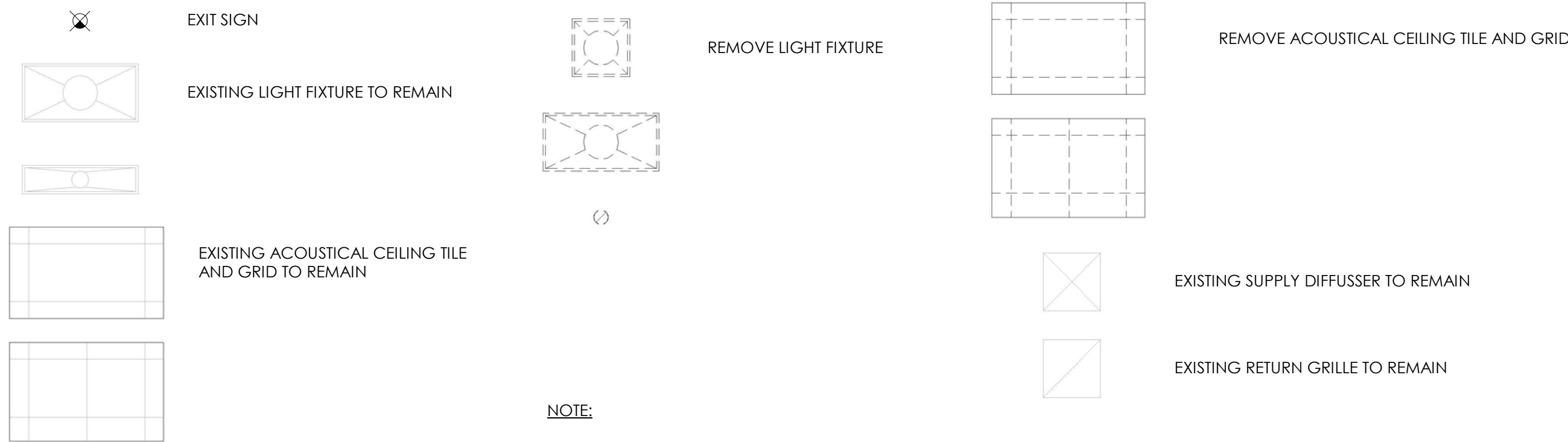
HOLD AS TIGHT TO
THE DUCT ROUTE AS
POSSIBLE

INTERIOR RENOVATIONS
USO FORT BENNING BLDG 109
FORT BENNING, GA



SECOND FLOOR -REFLECTED CEILING PLAN - DEMOLITION
3/16" = 1'-0"

CEILING PLAN LEGEND - DEMOLITION



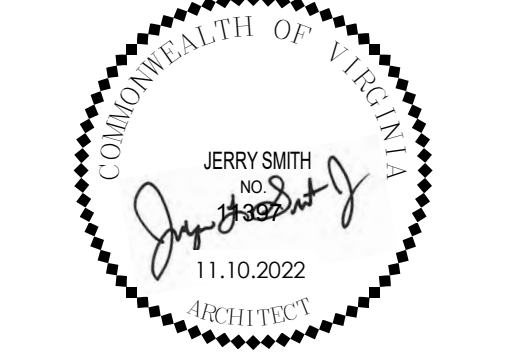
NOTE:
CONTRACTOR TO VERIFY IF EXISTING 2 X 2 LIGHTS
ARE LED. IF SO CONSULT WITH OWNER TO SEE IF
THEY WANT TO KEEP EXISTING.

RCP DEMOLITION KEYED NOTES	
TAG	DESCRIPTION
1	NO CEILING EXPOSED STRUCTURE AND BOTTOM OF FLOOR DECK ABOVE.
2	EXISTING SOFFIT/BULKHEAD TO REMAIN.
3	EXISTING CEILING TO REMAIN.
4	EXISTING STAIRS.
5	REMOVE SOFFIT/BULKHEAD.
6	EXISTING WINDOW SHADE ASSEMBLY AND DEVICES TO REMAIN. REFURBISH AND REPAIR AS REQUIRED.
7	EXISTING METAL STUD AND GWB WRAPPED BEAM TO REMAIN. PREPARE TO RECEIVE NEW PAINT FINISH PT-2.
8	EXISTING 2 STORY ATRIUM SPACE. SEE SECOND FLOOR RCP FOR LAYOUT.

COVINGTON
HENDRIX
ANDERSON
ARCHITECTS

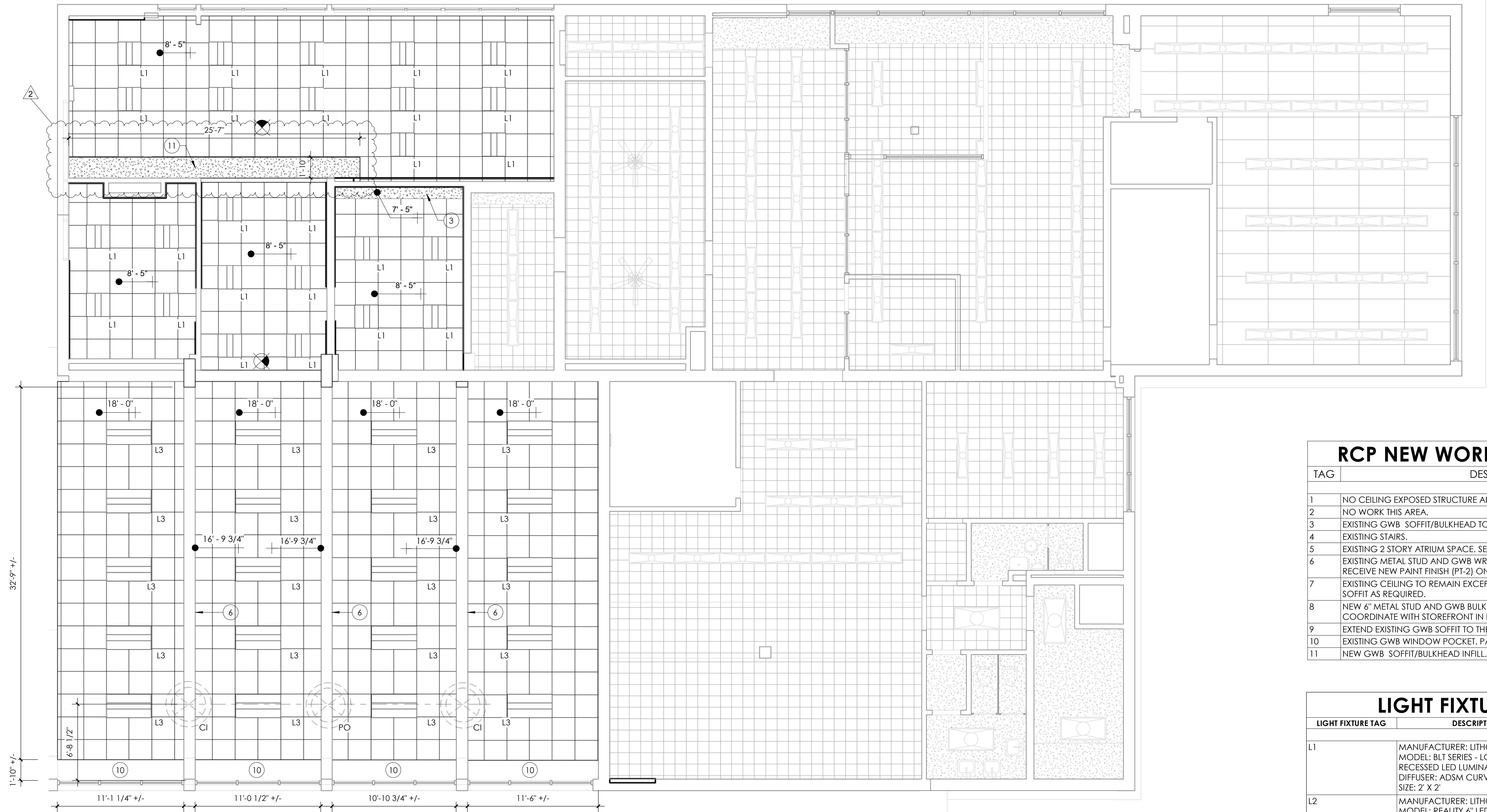


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CHA PROJECT	21293
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2	2023.04.03

SECOND FLOOR - REFLECTED
CEILING PLAN - DEMOLITION



SECOND FLOOR - REFLECTED CEILING PLAN - NEW WORK
3/16" = 1'-0"

RCP NEW WORK KEYED NOTES

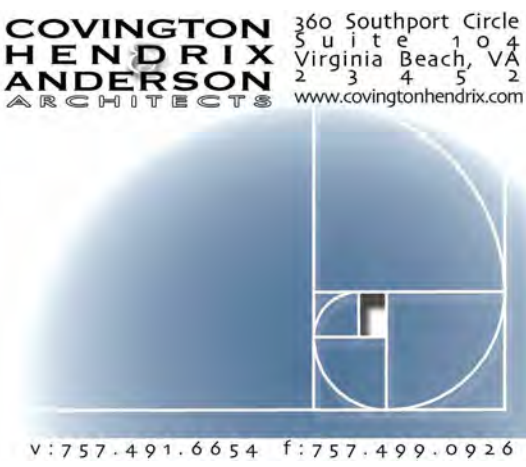
TAG	DESCRIPTION
1	NO CEILING EXPOSED STRUCTURE AND BOTTOM OF FLOOR DECK ABOVE.
2	NO WORK THIS AREA.
3	EXISTING GWB SOFFIT/BULKHEAD TO REMAIN
4	EXISTING STAIRS.
5	EXISTING 2 STORY ATRIUM SPACE. SEE SECOND FLOOR RCP FOR LAYOUT.
6	EXISTING METAL STUD AND GWB WRAPPED BEAM TO REMAIN. PREPARE TO RECEIVE NEW PAINT FINISH (PT-2) ON ALL SIDES.
7	EXISTING CEILING TO REMAIN EXCEPT FOR CONTRACTOR TO REPAIR RCP SOFFIT AS REQUIRED.
8	NEW 6" METAL STUD AND GWB BULKHEAD WITH BOTTOM FACE AT 7'-2" A.F.F. COORDINATE WITH STOREFRONT IN NEW WORK PLAN.
9	EXTEND EXISTING GWB SOFFIT TO THE EXTENTS INDICATED.
10	EXISTING GWB WINDOW POCKET. PAINT ENTIRE POCKET PT-1
11	NEW GWB SOFFIT/BULKHEAD INFILL. MATCH ADJACENT HEIGHT OF EXISTING.

LIGHT FIXTURE LEGEND

LIGHT FIXTURE TAG	DESCRIPTION	NOTES
L1	MANUFACTURER: LITHONIA LIGHTING MODEL: BLT SERIES - LOW PROFILE RECESSED LED LUMINAIRE DIFFUSER: AD3M CURVED SMOOTH SIZE: 2' X 2'	
L2	MANUFACTURER: LITHONIA LIGHTING MODEL: REALITY 6" LED MODULE FINISH: WHITE SIZE: 6"	
L3	MANUFACTURER: LITHONIA LIGHTING MODEL: BLT SERIES - LOW PROFILE RECESSED LED LUMINAIRE DIFFUSER: AD3M CURVED SMOOTH SIZE: 2' X 4'	
L4	MANUFACTURER: TRULY GREEN SOLUTIONS MODEL: ECO PANEL LIGHTS 110 COLOR: WHITE SIZE: 2' X 2' MOUNTING HT: RECESSED COLOR TEMPERATURE: 3500K VOLTAGE: 277V	
L5	MANUFACTURER: AXIS VENDOR: LIGHTING ENVIRONMENTS MODEL: SKYE POOL 2' STEPLES FINISH: WHITE SIZE: 2' X 2' MOUNTING HT: RECESSED COLOR TEMPERATURE: 3500K VOLTAGE: 277V	
L6	MANUFACTURER: PRUDENTIAL LIGHTING VENDOR: LIGHTING VIRGINIA MODEL: STREAM DOT SQUARE PENDANT FINISH: 1/8" KIW FROSTED TOP GLOW- GLOSS WHITE FIXTURE AND CANOPY SIZE: 4 3/4 MOUNTING HEIGHT: 1' STEM FROM CEILING COLOR TEMPERATURE: 3000K	
L7	MANUFACTURER: BETA-CALCO MODEL: MACRO CROSS SIZE: 57" DIRECT COLOR: LIGHT CHERRY MOUNTING: HT: BOTTOM OF FIXTURE @ 7'-0" A.F.F. FINISH: WHITE SIZE: 6'	
L8	MANUFACTURER: NOVA FLEX MODEL: DYNAMIC RGB/RGBW COLOR: RGB MOUNTING: 3M ADHESIVE SURFACE MOUNTED SIZE: CUT MARK @ 3.93"	

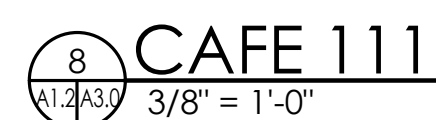
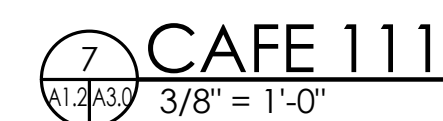
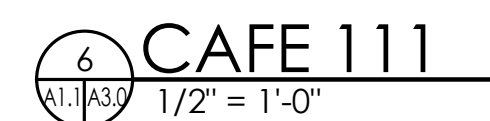
CEILING PLAN LEGEND - NEW WORK

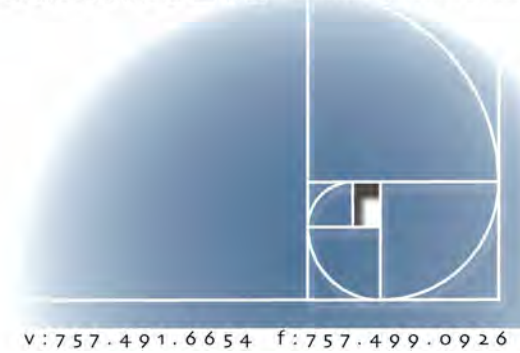
	ACT-1 NEW CEILING GRID AND TILE MANUFACTURER: ARMSTRONG STYLE: ULTIMA, TEGULAR FINE FISSURED FINISH: WHITE SIZE: 24 X 24 GRID: 15/16" PRELUDE (WHITE)		NEW SOFFIT/BULKHEAD
	ACT-2 NEW CEILING GRID AND TILE MANUFACTURER: ARMSTRONG STYLE: ULTIMA, TEGULAR FINE FISSURED FINISH: WHITE SIZE: 24 X 48 GRID: 15/16" PRELUDE (WHITE)		EXIT SIGN
	ACT-3 NEW CEILING GRID AND TILE MANUFACTURER: ARMSTRONG STYLE: BACKSTAGE NOIR FINISH: BLACK SIZE: 24 X 24 GRID: 15/16" PRELUDE (BLACK)		(3) ACOUSTICAL PENDANT MANUFACTURER: DELRAY PRODUCT: ACOUSTICAL BAFFLE COLLECTION: SABIN STYLE: SHY - HYPERION FINISH: FELT COLOR: CI - CITROUILLE; PO - POIRE SIZE: 5' 65.10" H 28" INSTALLATION: SUSPENDED FROM CEILING



CHA PROJECT	21293
ISSUE DATE	11.10.2022
REVISION NO.	DATE
2	2023.04.03

SECOND FLOOR - REFLECTED
CEILING PLAN - NEW WORK

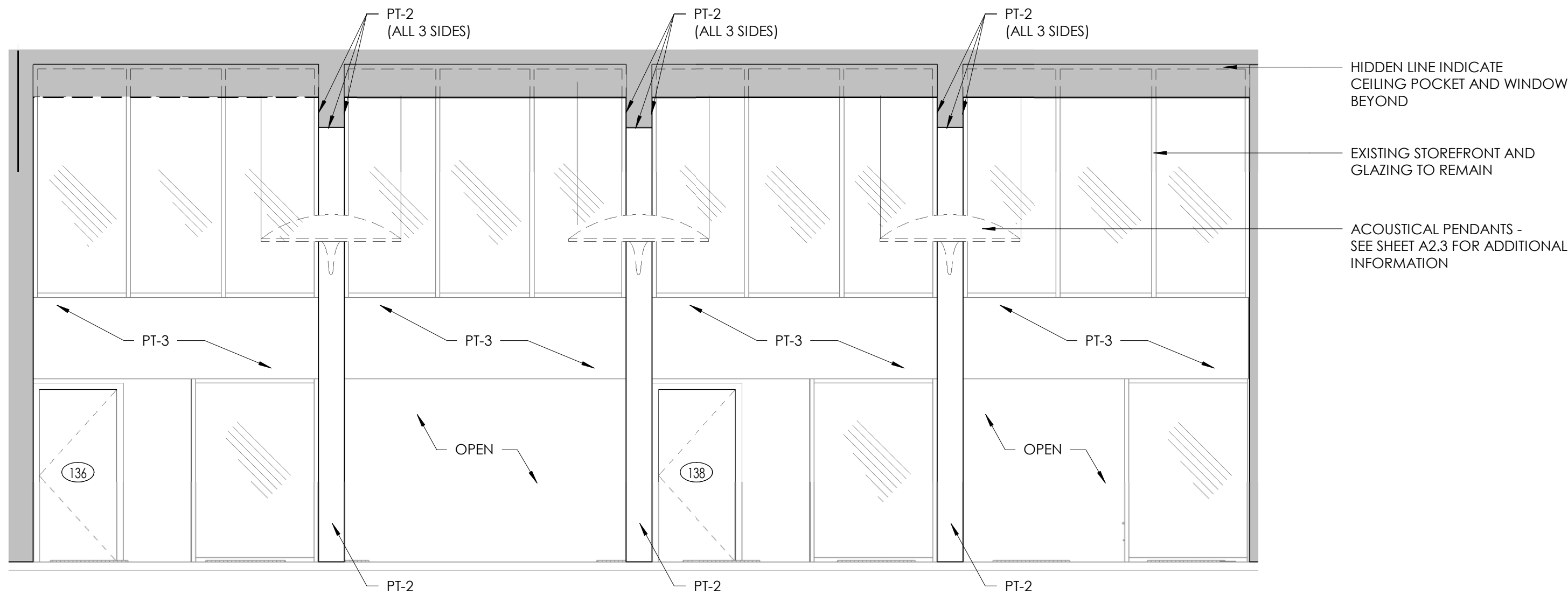




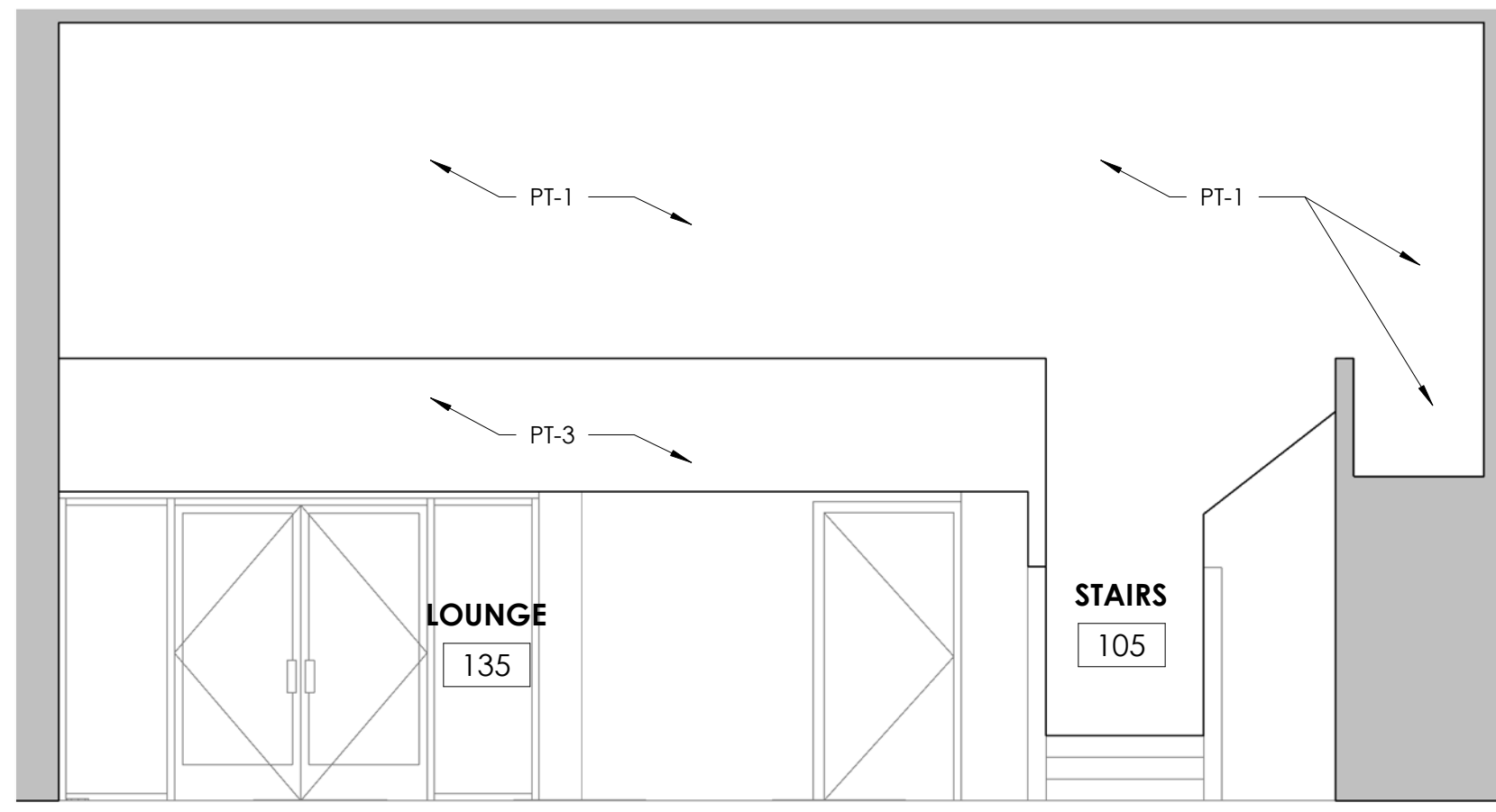
CHA PROJECT	21293
ISSUE DATE	11.10.2022
REVISION NO.	DATE
3	2023.04.12

INTERIOR ELEVATIONS

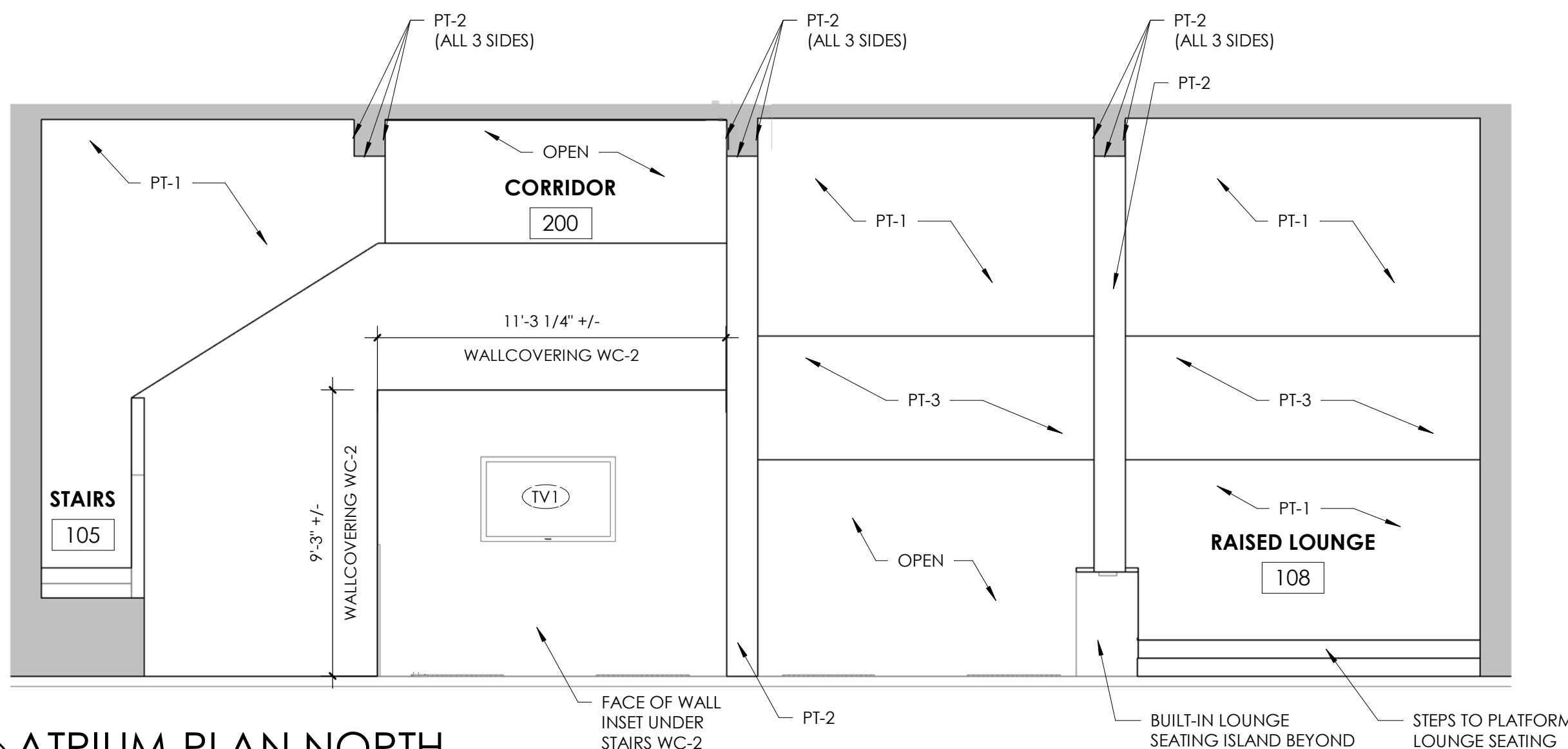
A3.1



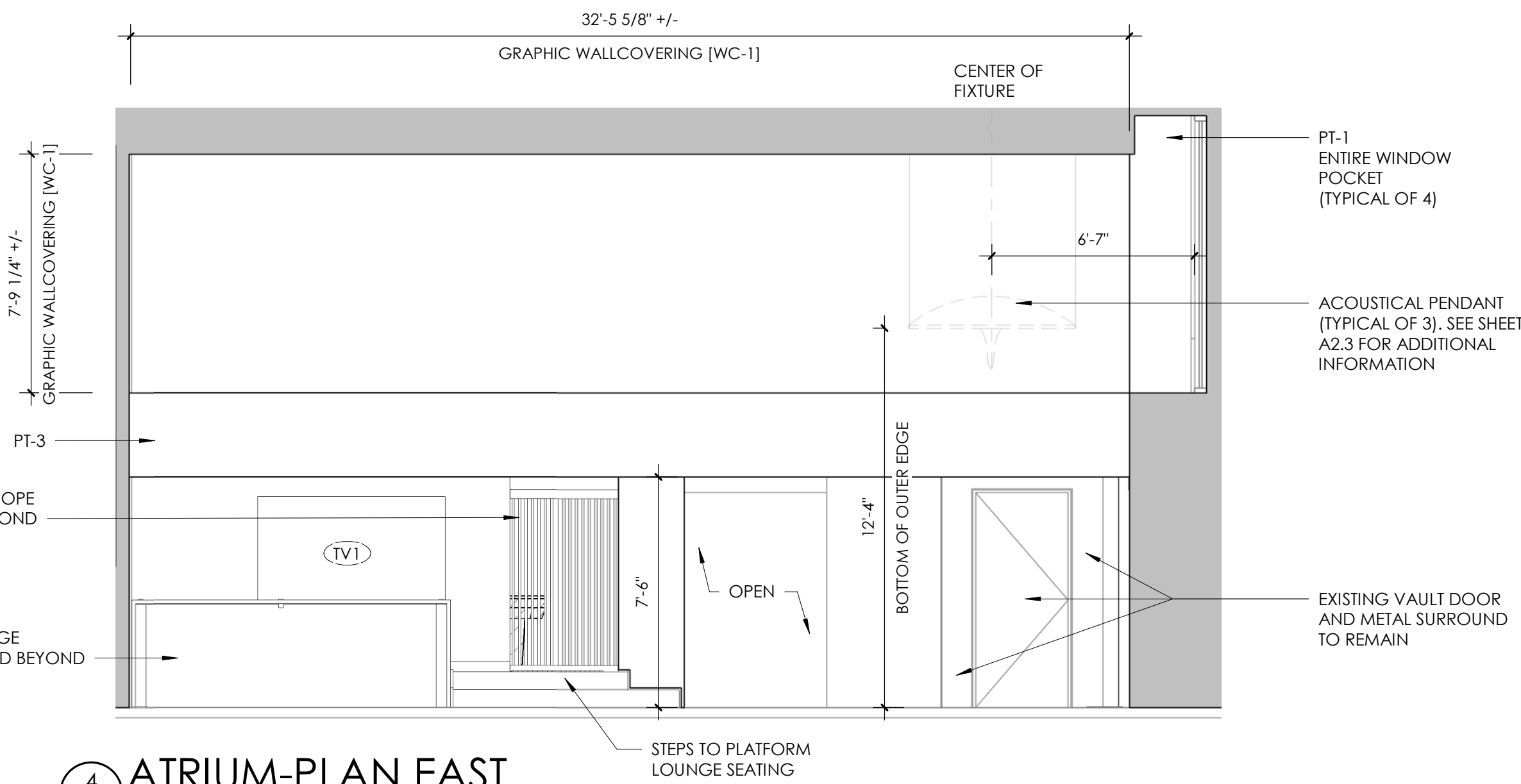
1 ATRIOUM-PLAN SOUTH
1/4" = 1'-0"



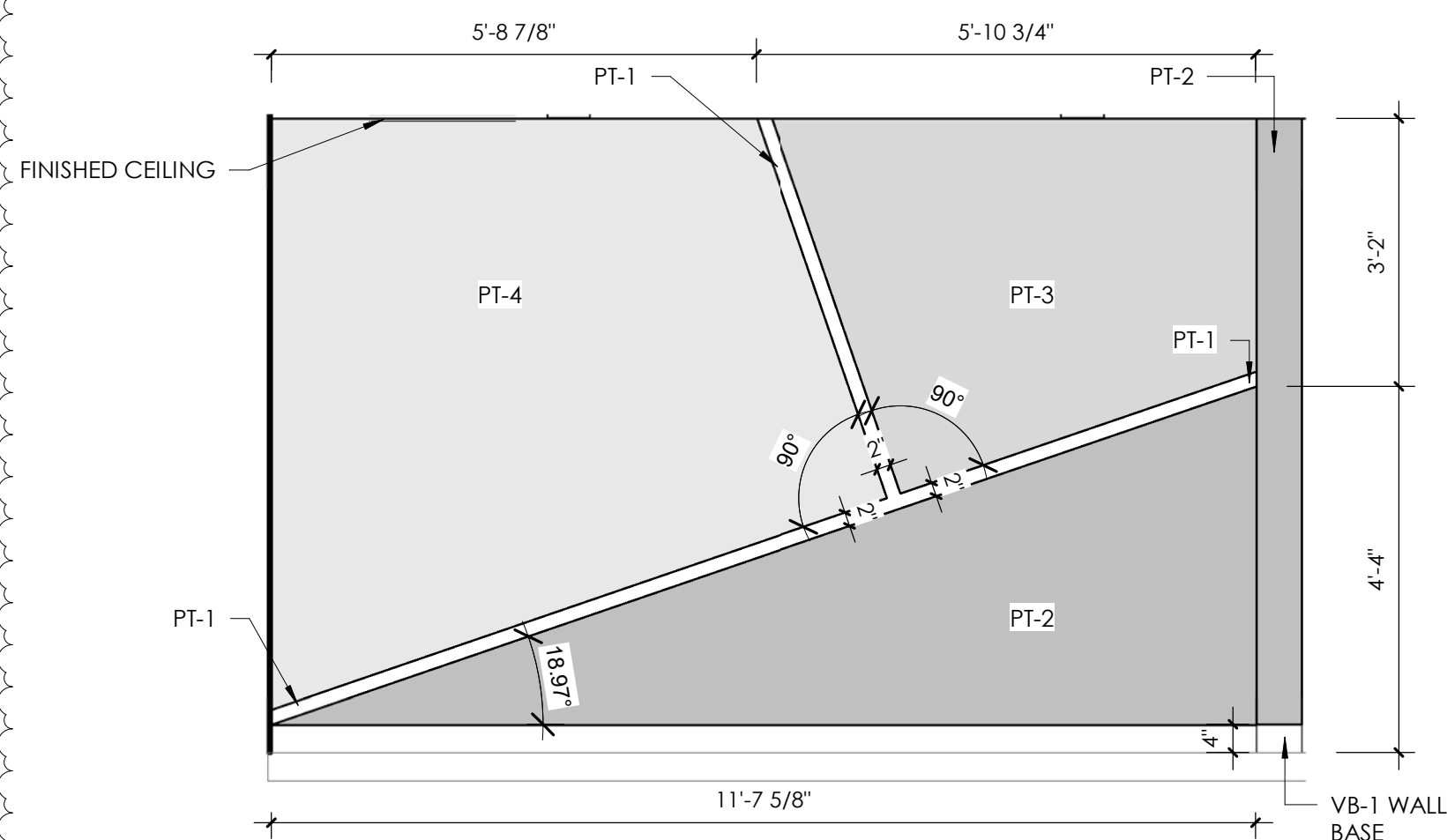
3 ATRIOUM-PLAN WEST
1/4" = 1'-0"



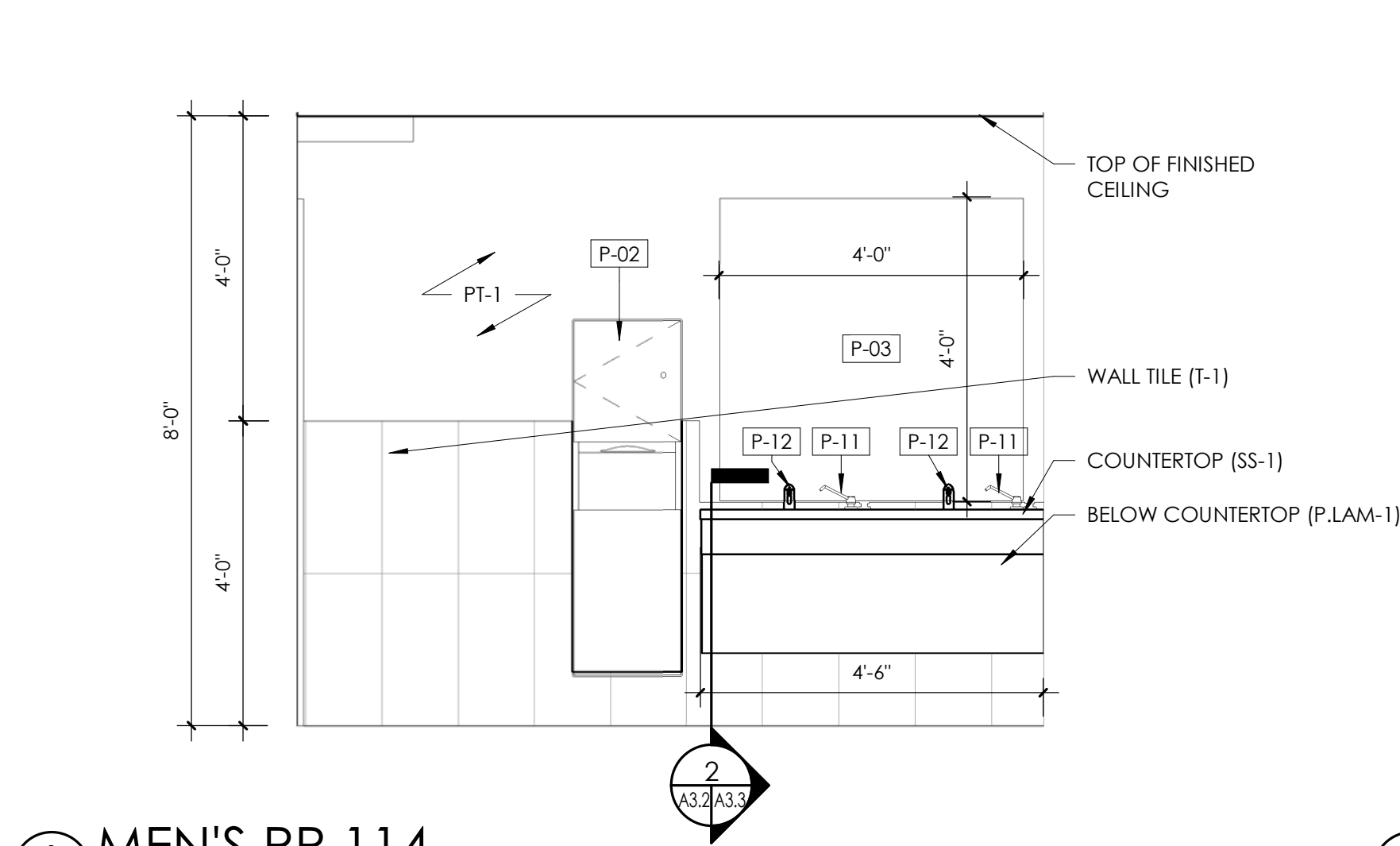
2 ATRIOUM-PLAN NORTH
1/4" = 1'-0"



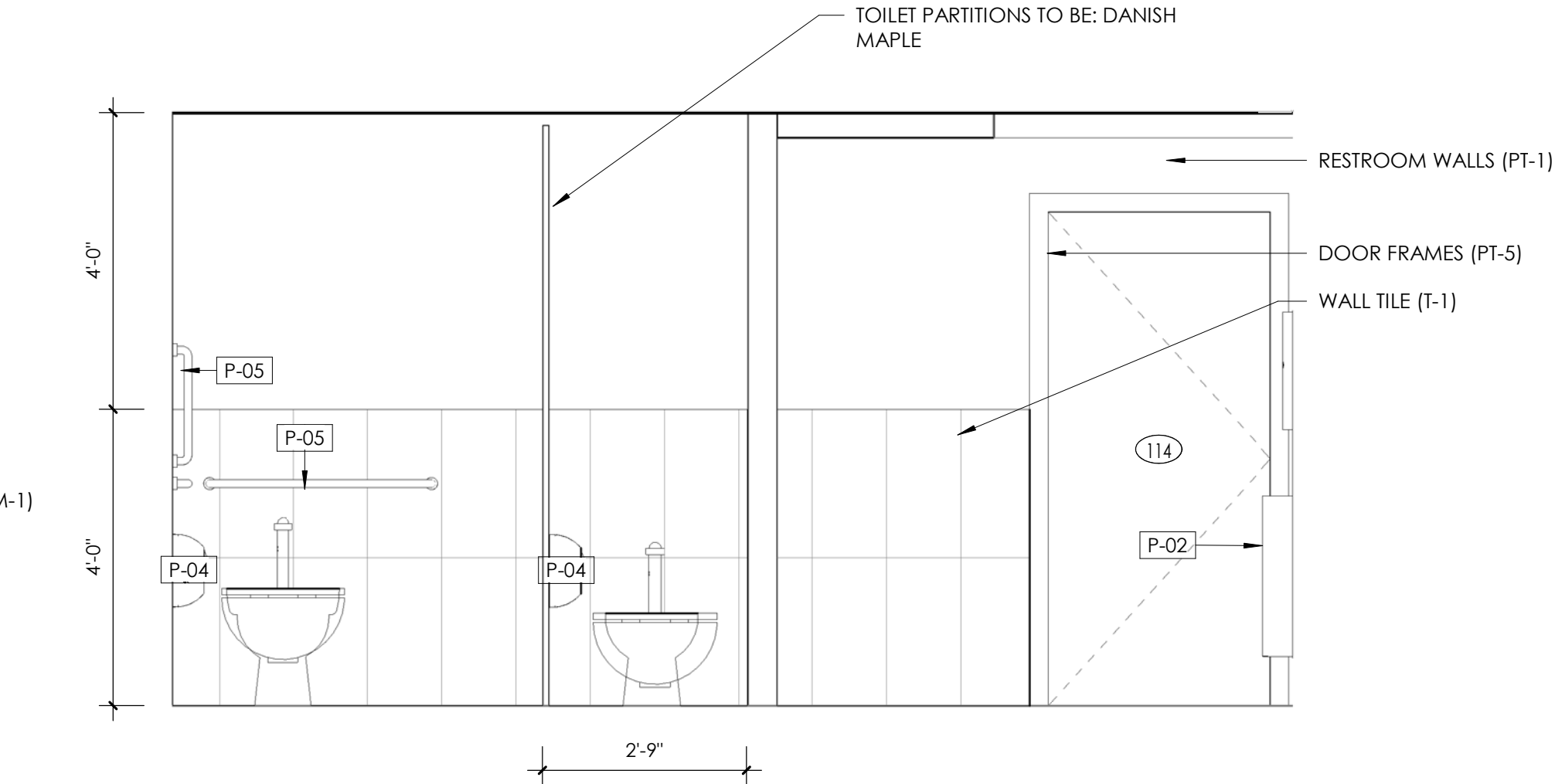
4 ATRIOUM-PLAN EAST
1/4" = 1'-0"



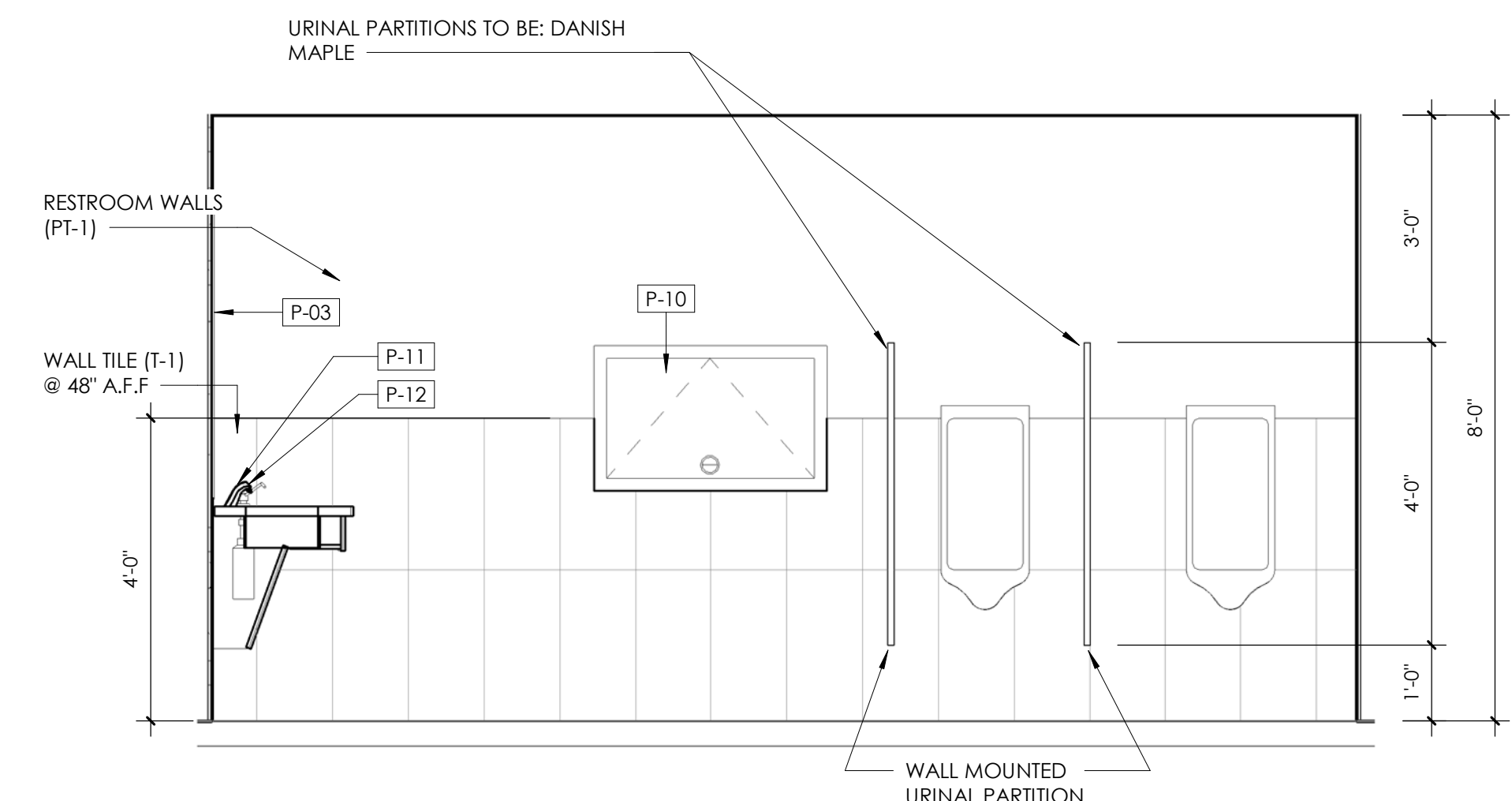
5 KID'S AREA PAINT DESIGN
1/2" = 1'-0"



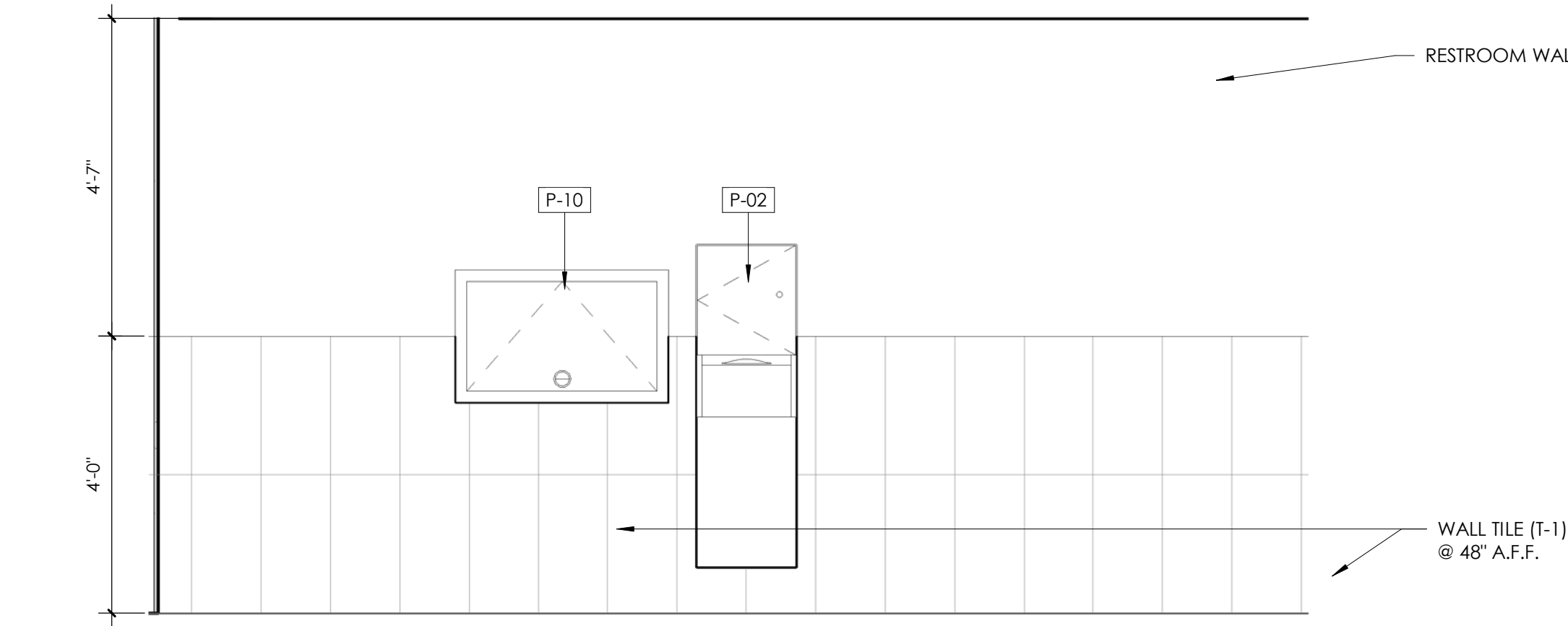
1 MEN'S RR 114
1/2" = 1'-0"



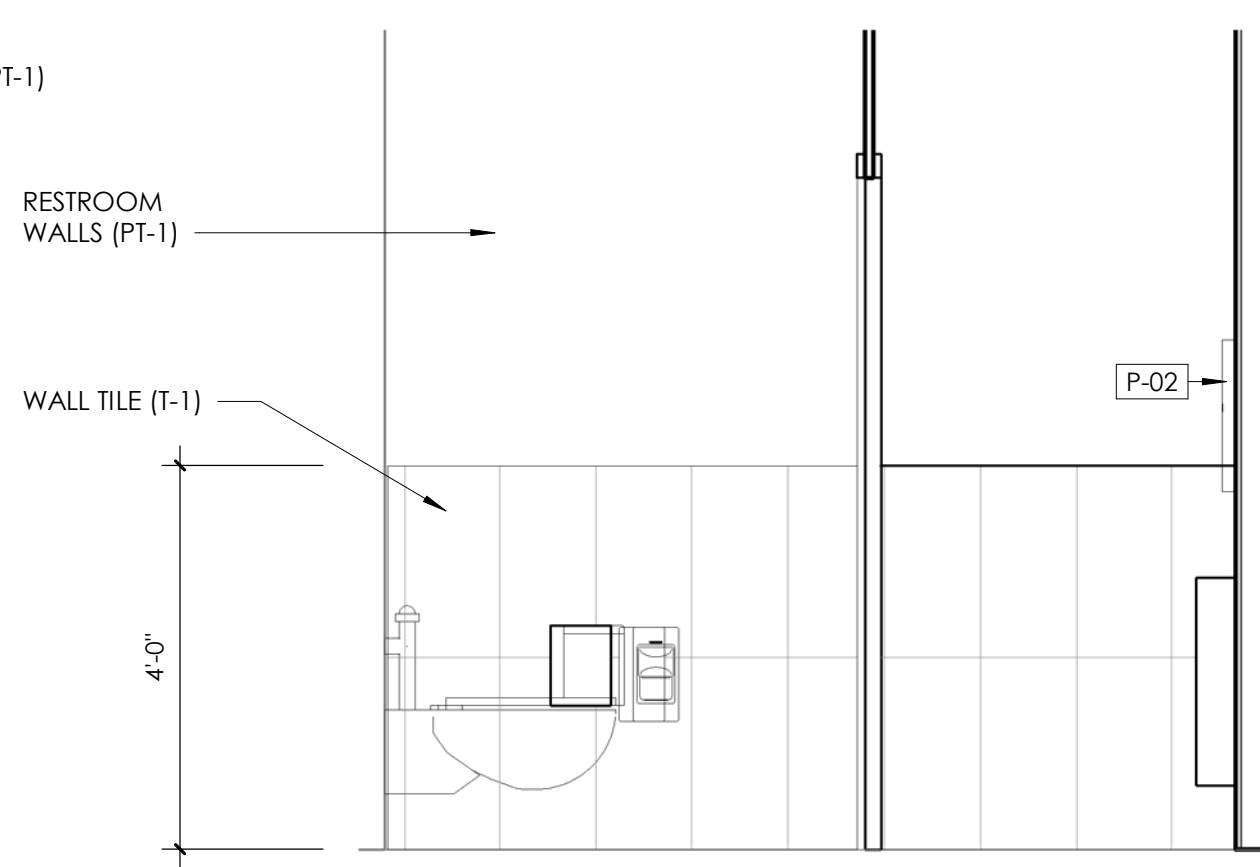
2 MEN'S RR 114
1/2" = 1'-0"



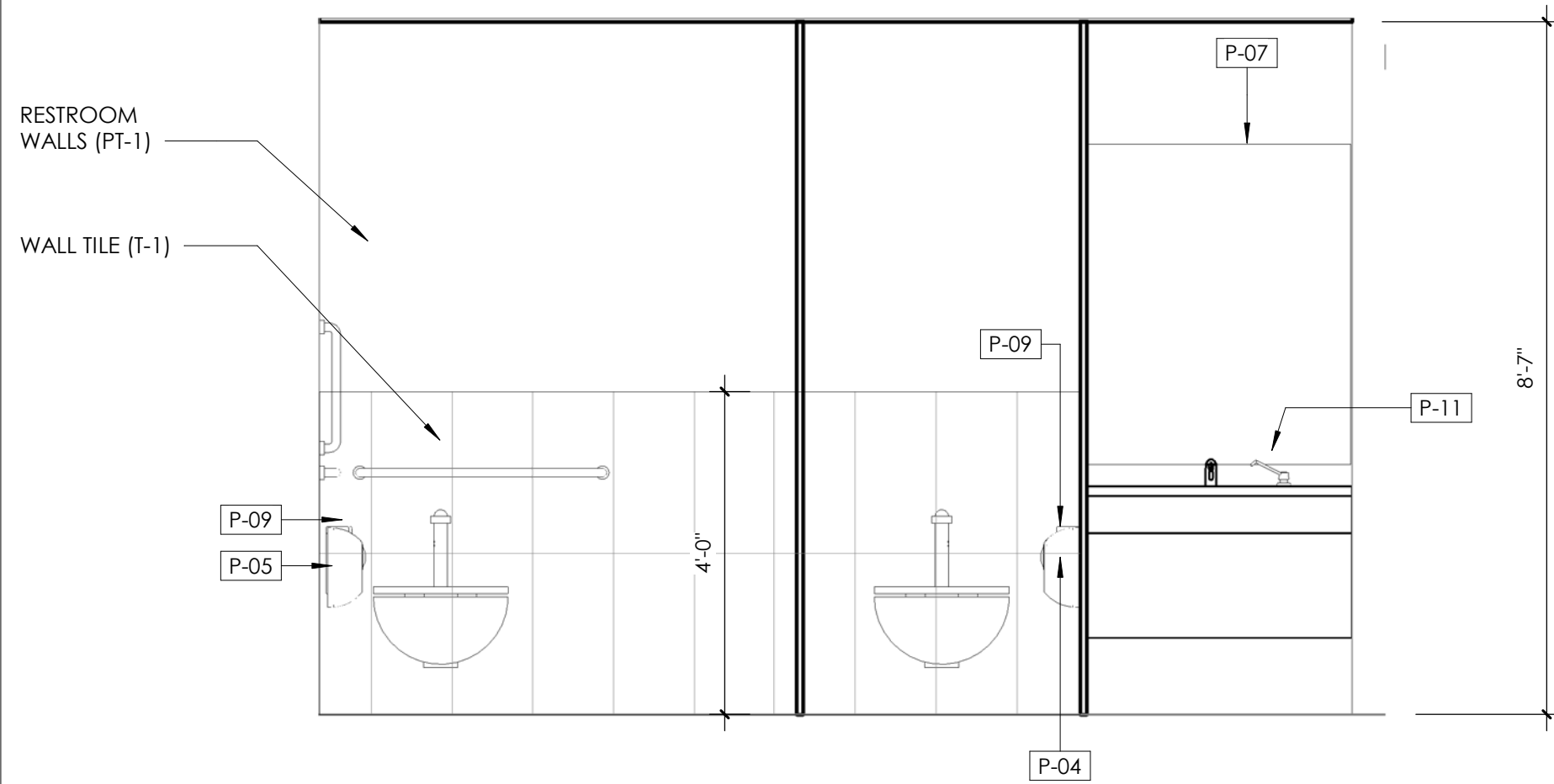
3 MEN'S RR 114
1/2" = 1'-0"



4 WOMEN'S RR 115
1/2" = 1'-0"



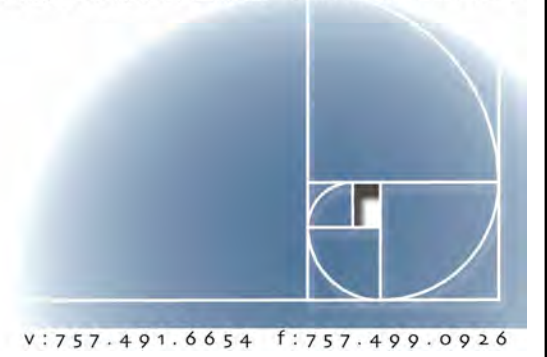
5 WOMEN'S RR 115
1/2" = 1'-0"

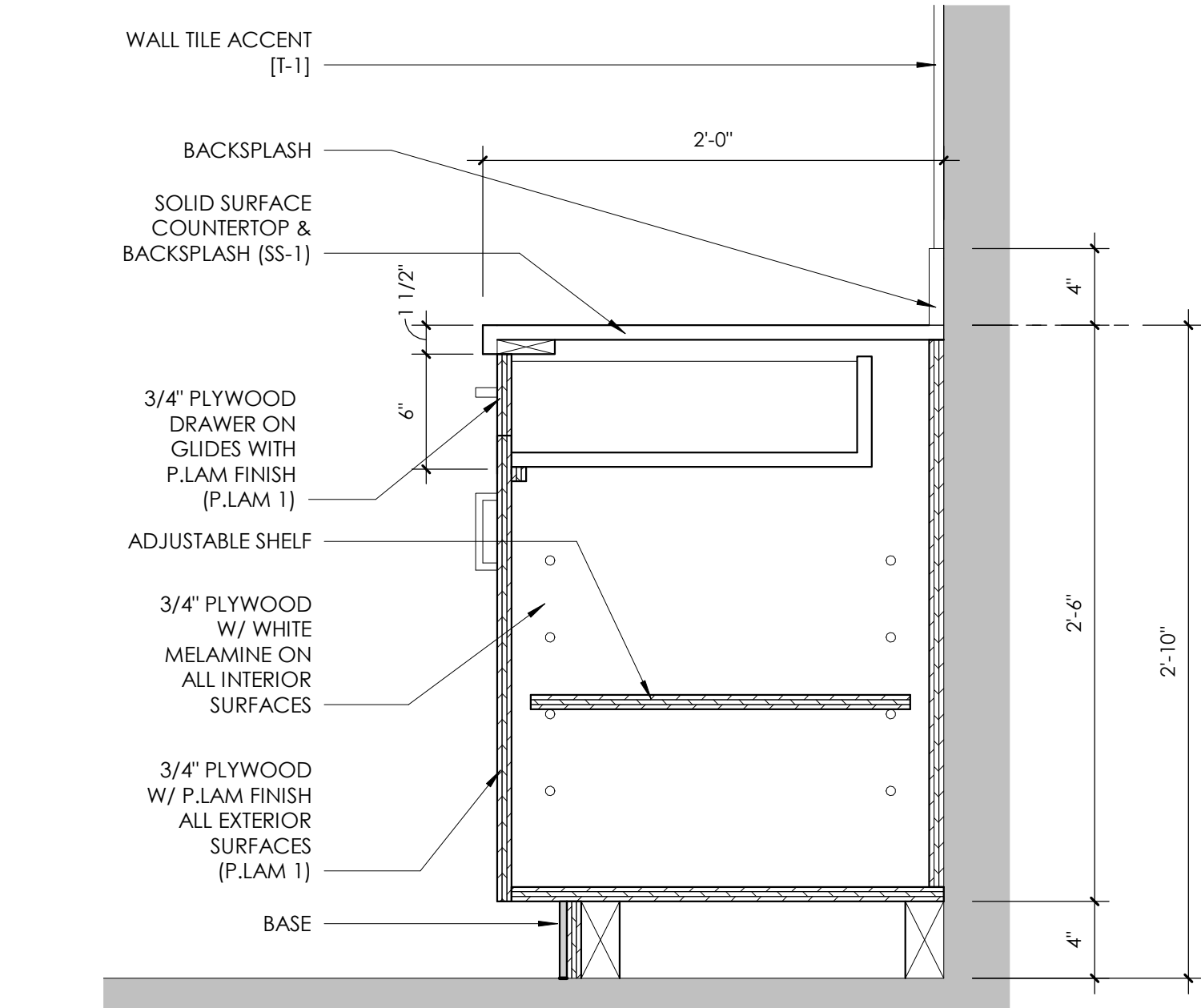


6 WOMEN'S RR 115
1/2" = 1'-0"

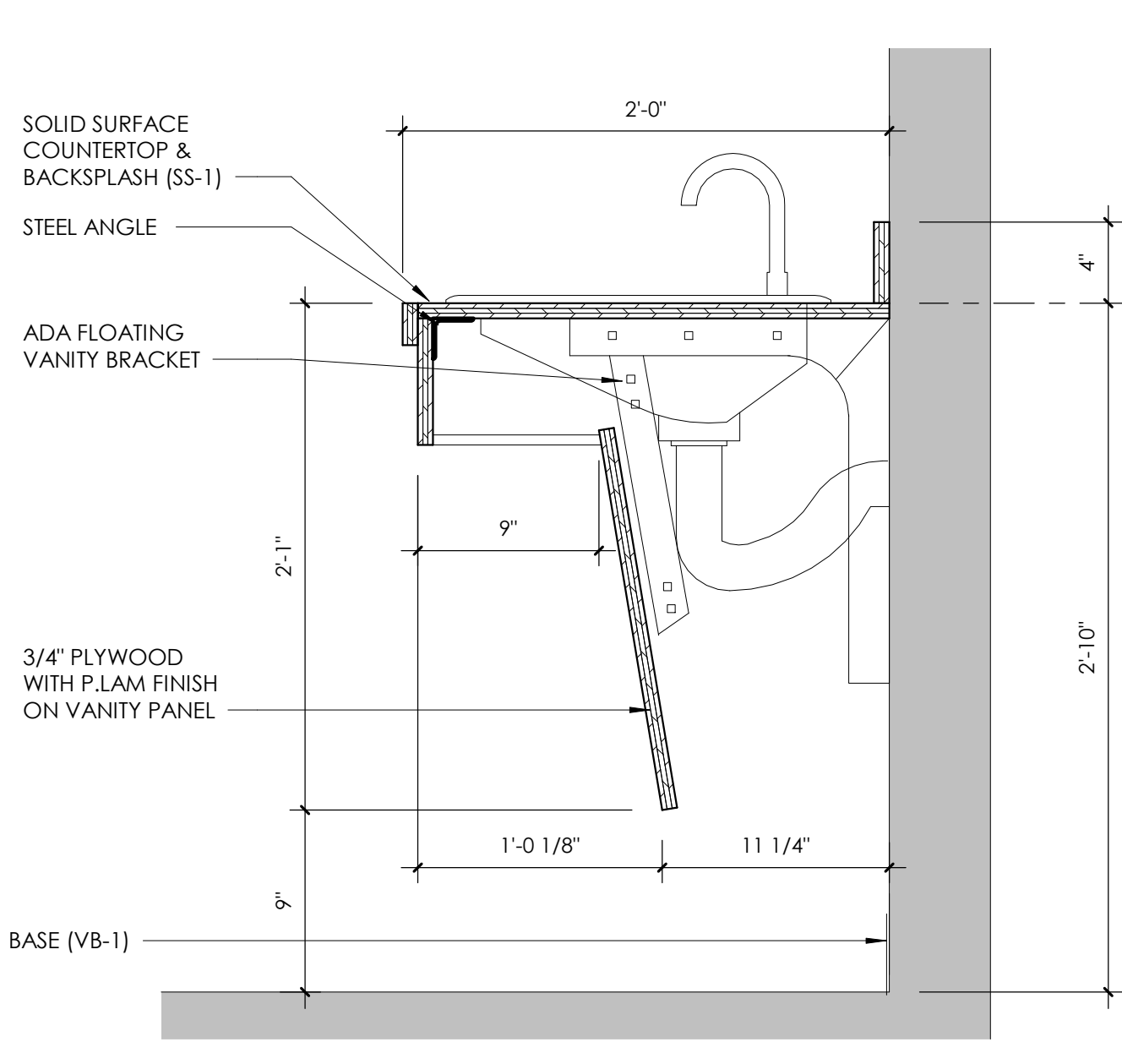
TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MANUFACTURER/BASIS OF DESIGN	MODEL NUMBER	COMMENTS
P-02	RECESSED COMBINATION TOWEL DISPENSER AND WASTE RECEPTACLE	BOBRICK WASHROOM EQUIPMENT, INC.	B-43944	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-03	48" HEIGHT X 54" WIDTH ROLLED FORMED STAINLESS STEEL FRAMED MIRROR	--		CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-04	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER	BOBRICK WASHROOM EQUIPMENT, INC.	B-4288	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-05	GRAB BARS	BOBRICK WASHROOM EQUIPMENT, INC.	B 6806X42, B 6806X36, B 6806X18	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-06	BRUSHED STAINLESS STEEL SINGLE PRONG COAT HOOK	SUNHOUSE COATHOOKS.COM	241-658 - 1.65" LONG	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-07	48" HEIGHT X40" WIDTH ROLLED FORMED STAINLESS STEEL FRAMED MIRROR	--		CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-09	SANITARY NAPKIN DISPOSAL	BOBRICK WASHROOM EQUIPMENT, INC.	B-270	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-10	SURFACE MOUNTED BABY CHANGING STATION	KOALA KARE	KB110-SSWM	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-11	AUTOMATIC LAVATORY MOUNTED SOAP DISPENSER	SLOAN	EFT-80 [POLISHED CHROME]	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)
P-12	AUTOMATIC FAUCET	SLOAN	EFT-800 [POLISHED CHROME]	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI)

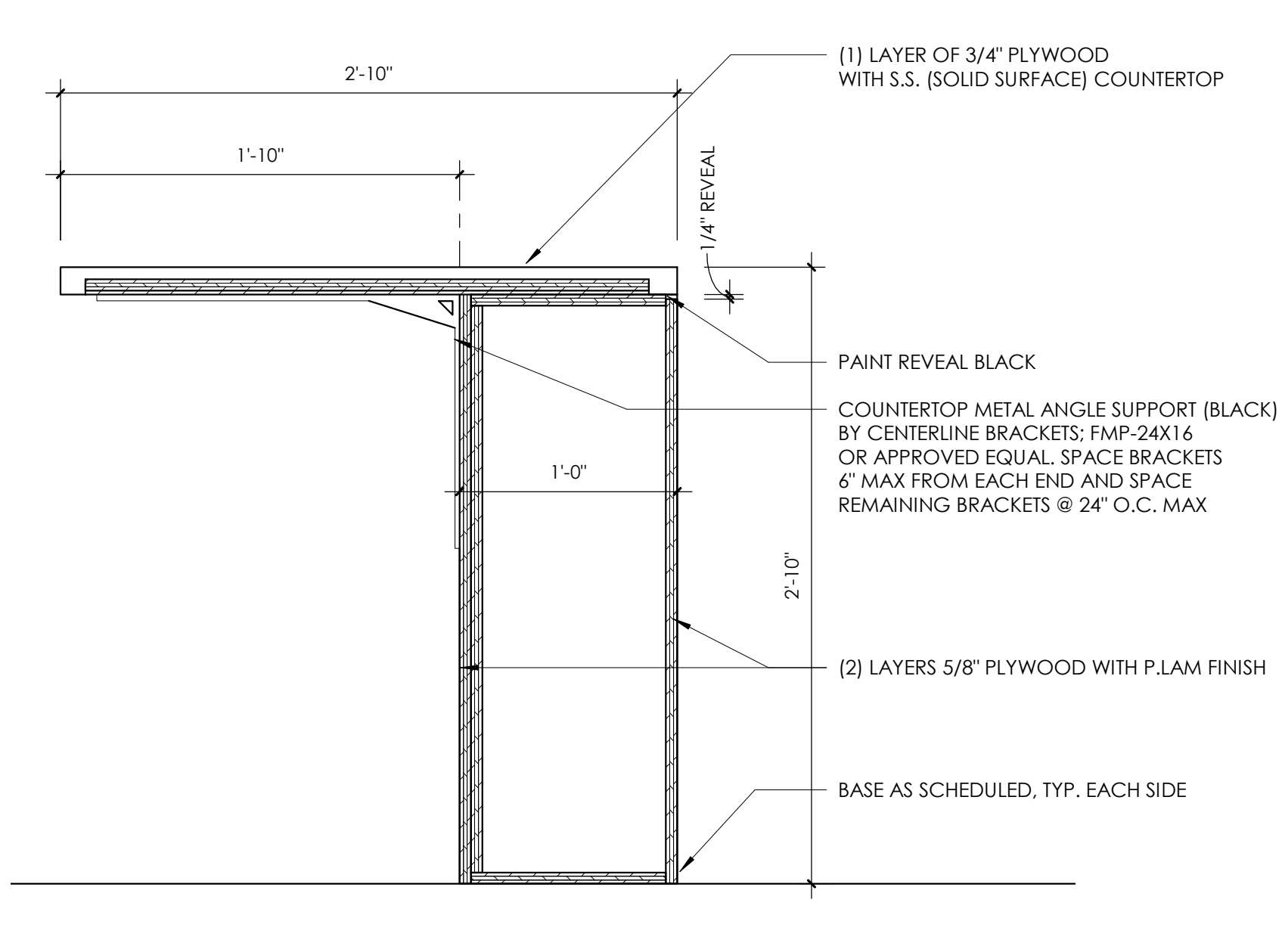




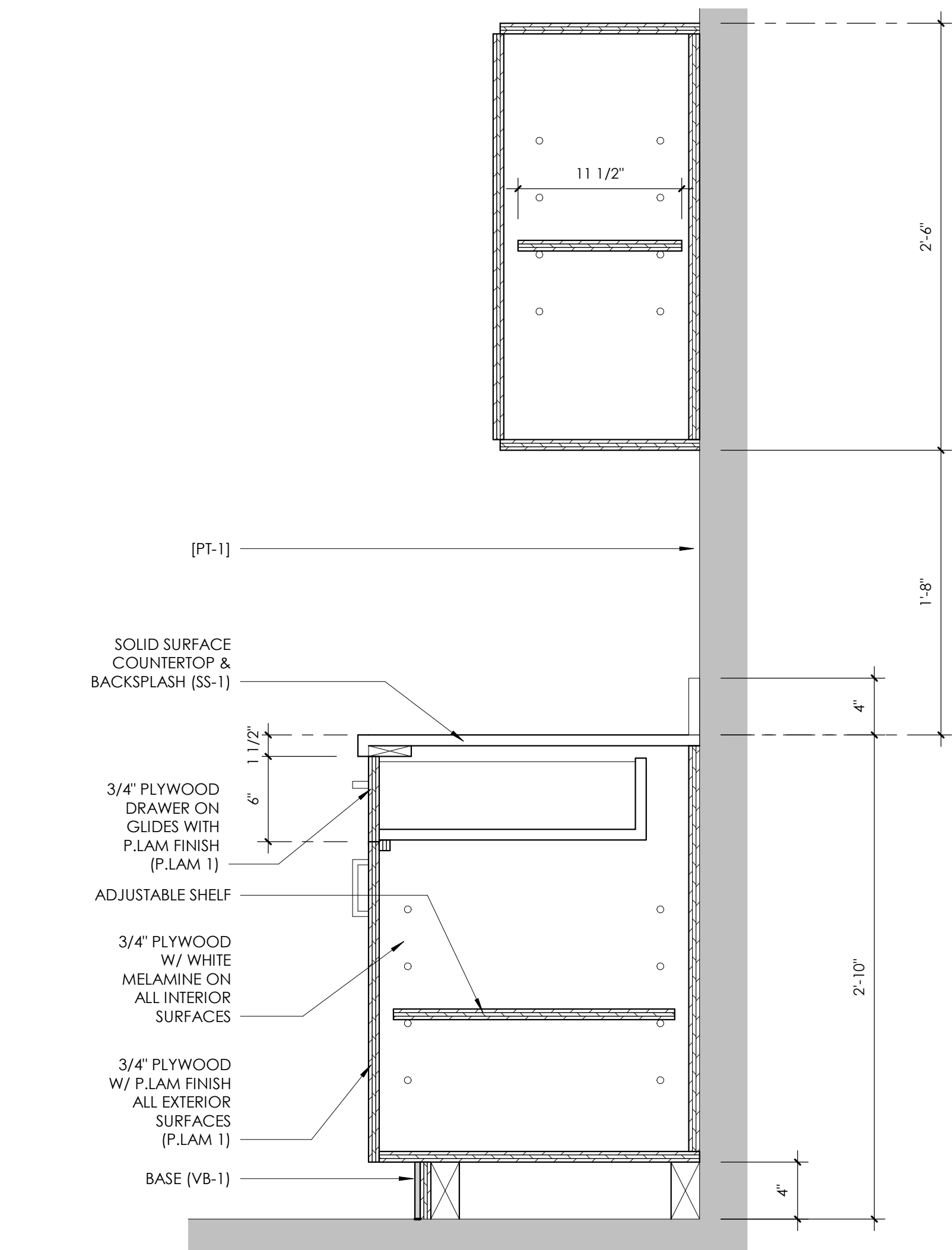
1 CASEWORK SECTION
1 1/2" = 1'-0"



2 TYPICAL CASEWORK SECTION @ SINK
1 1/2" = 1'-0"



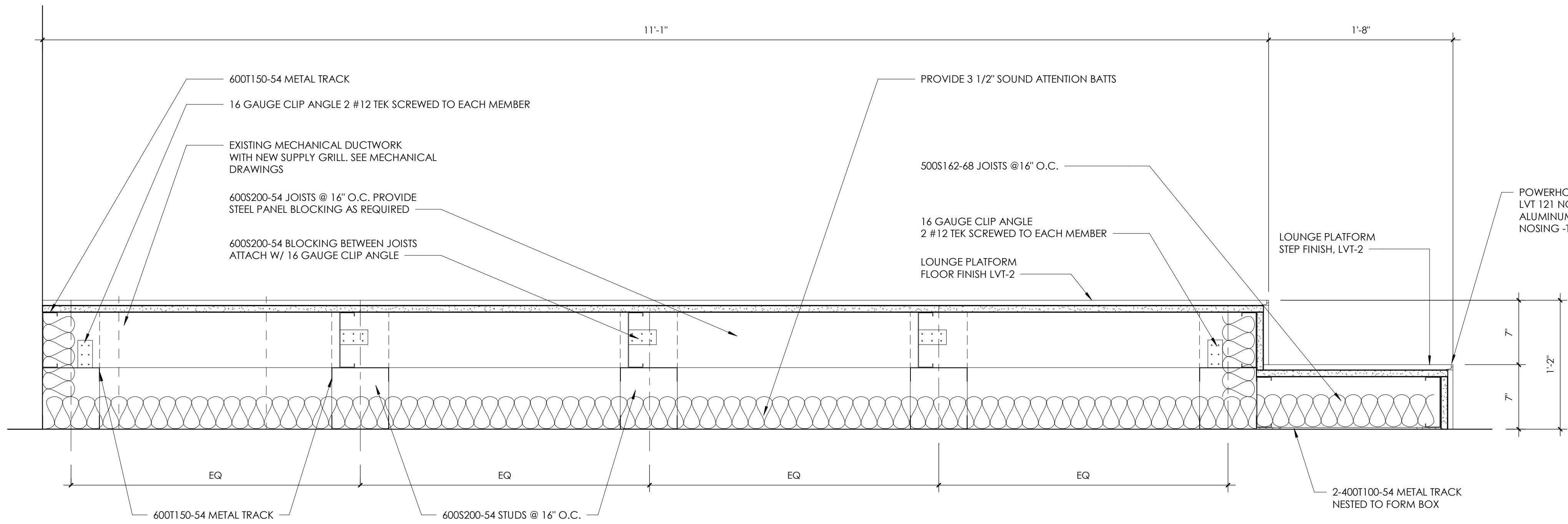
3 CASEWORK SECTION - CAFE 111
1 1/2" = 1'-0"



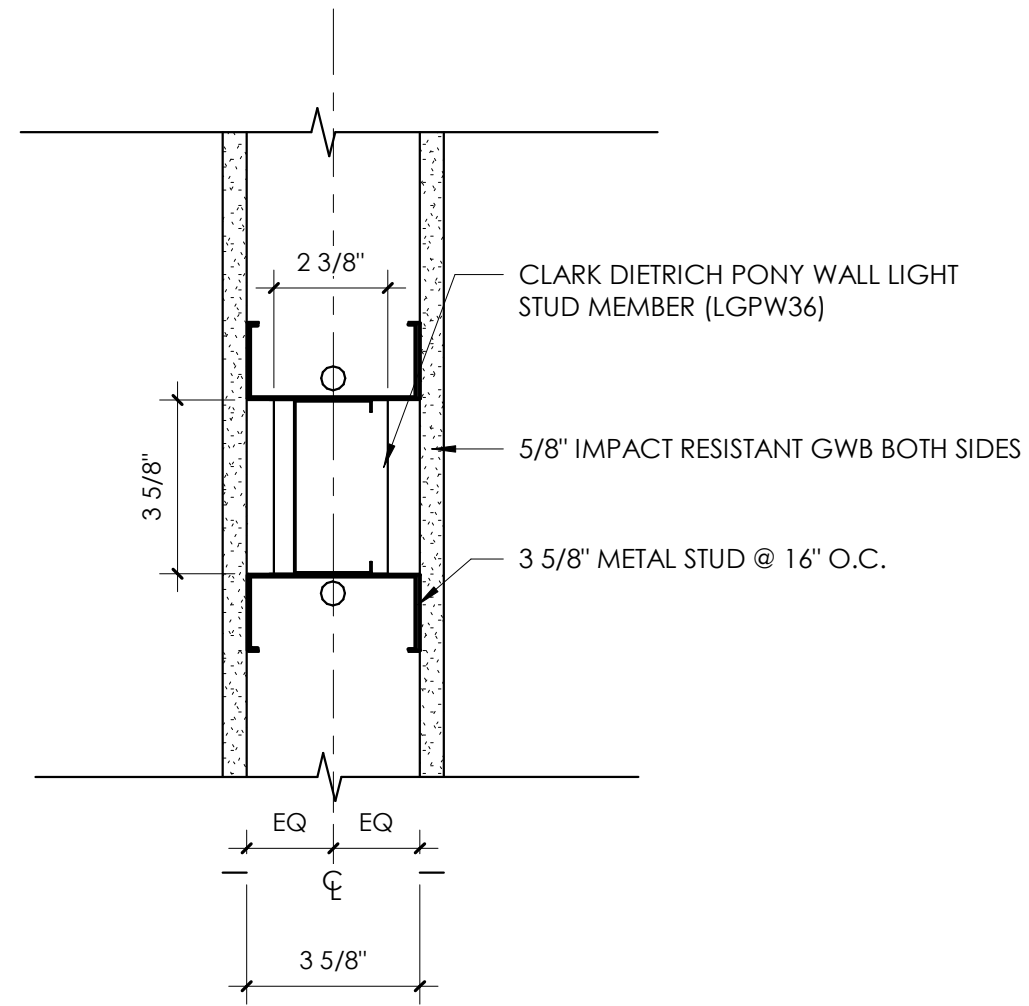
5 TYPICAL CASEWORK SECTION
1 1/2" = 1'-0"



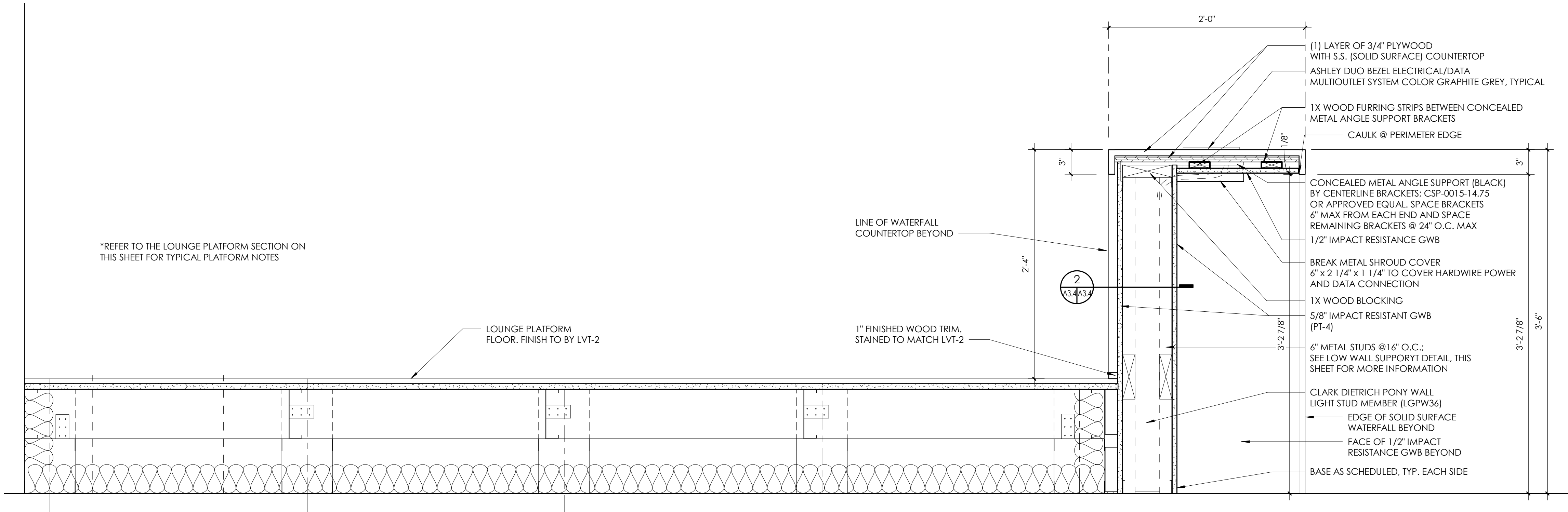
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1 LOUNGE PLATFORM SECTION
1 1/2" = 1'-0"



2 LOW WALL SUPPORT DETAIL
3" = 1'-0"

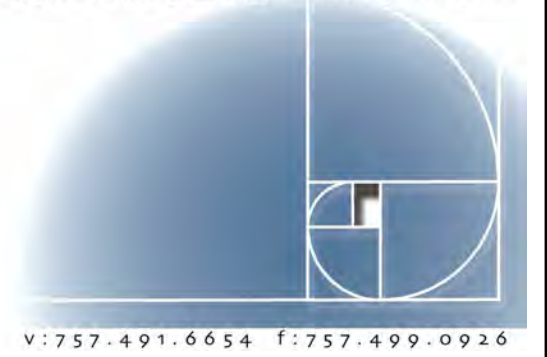


3 LOUNGE PLATFORM & BAR HEIGHT SEATING SECTION
1 1/2" = 1'-0"

RECORD
DRAWINGS
2023.11.30

INTERIOR RENOVATIONS
USO FORT BENNING BLDG 109
FORT BENNING, GA

COVINGTON HENDRIX ANDERSON
360 Southport Circle
Suite 104
Virginia Beach, VA 23462
www.covingtonhendrix.com



CHA PROJECT 21293
ISSUE DATE 11.10.2022
REVISION NO. DATE

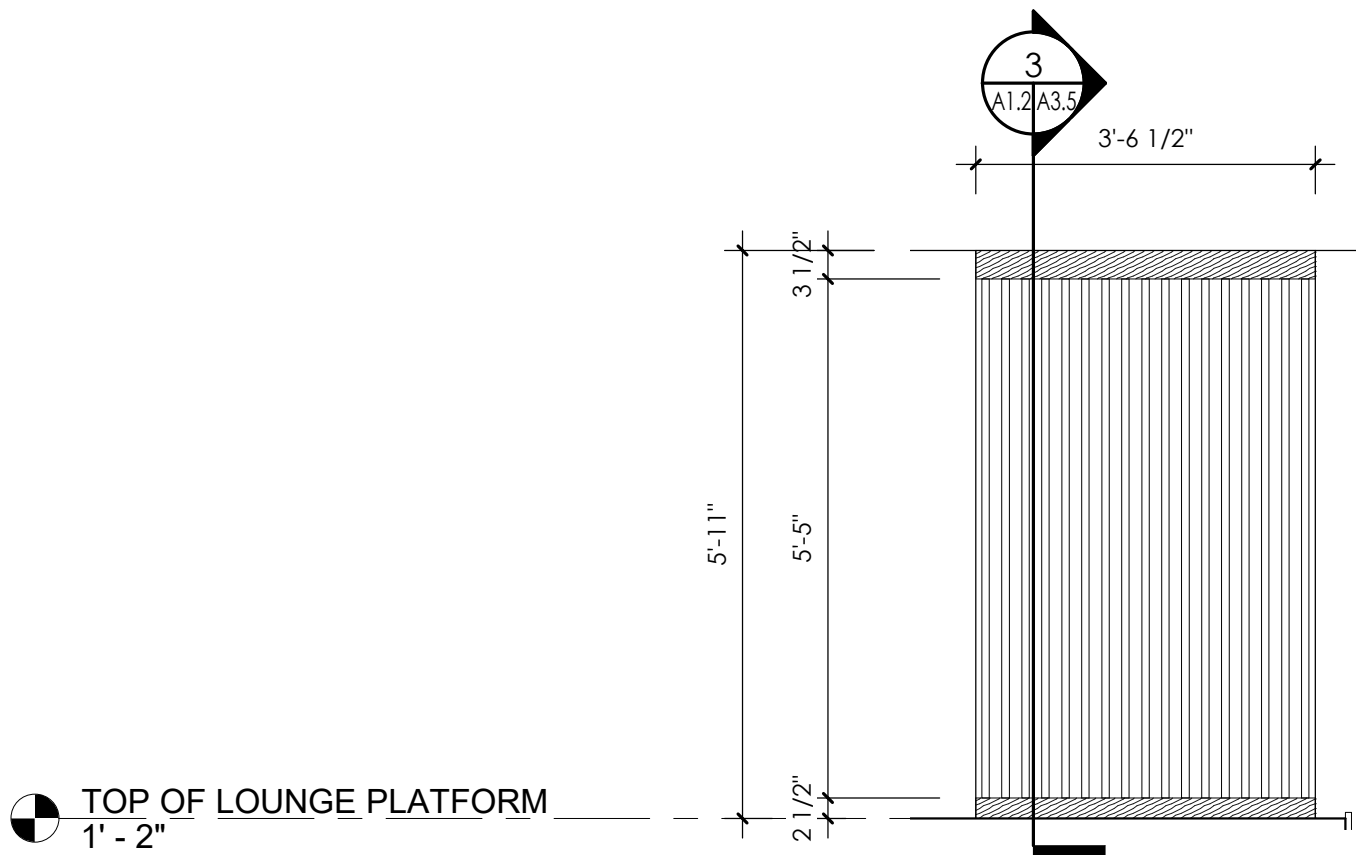
SECTIONS AND DETAILS

A3.4

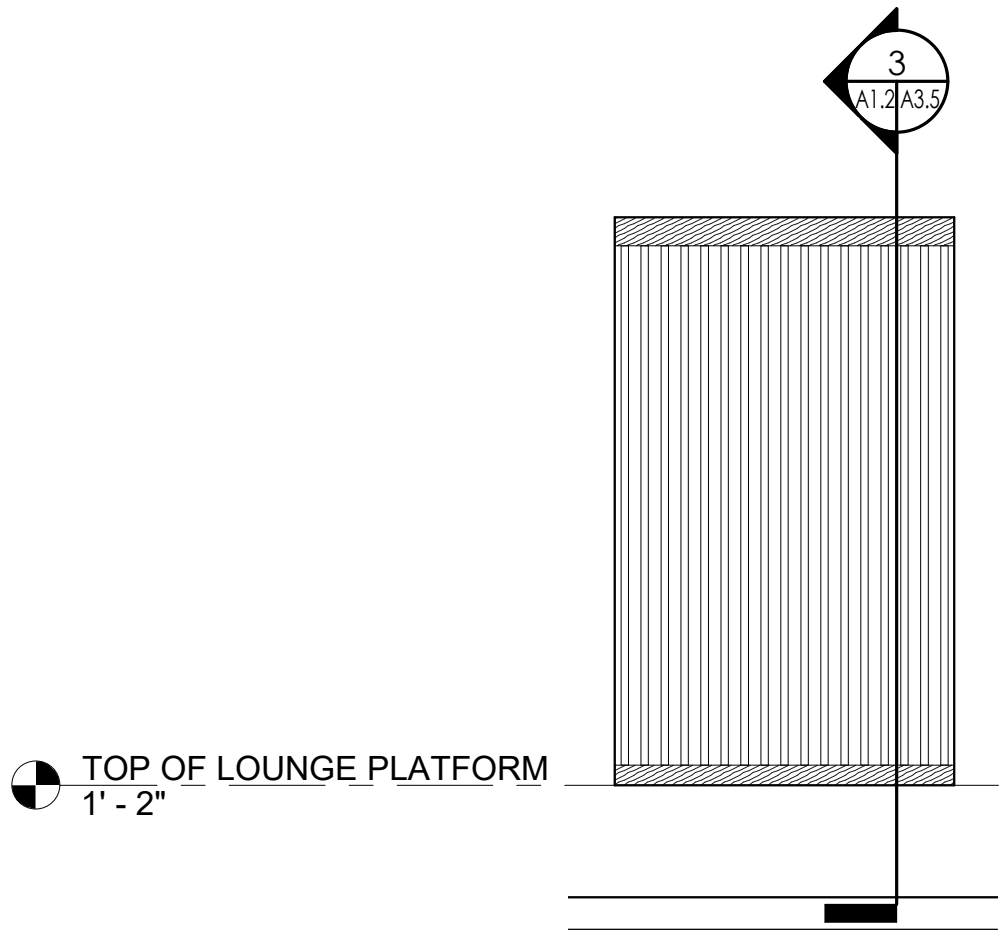


RAISED PLATFORM DETAIL - EXAMPLE

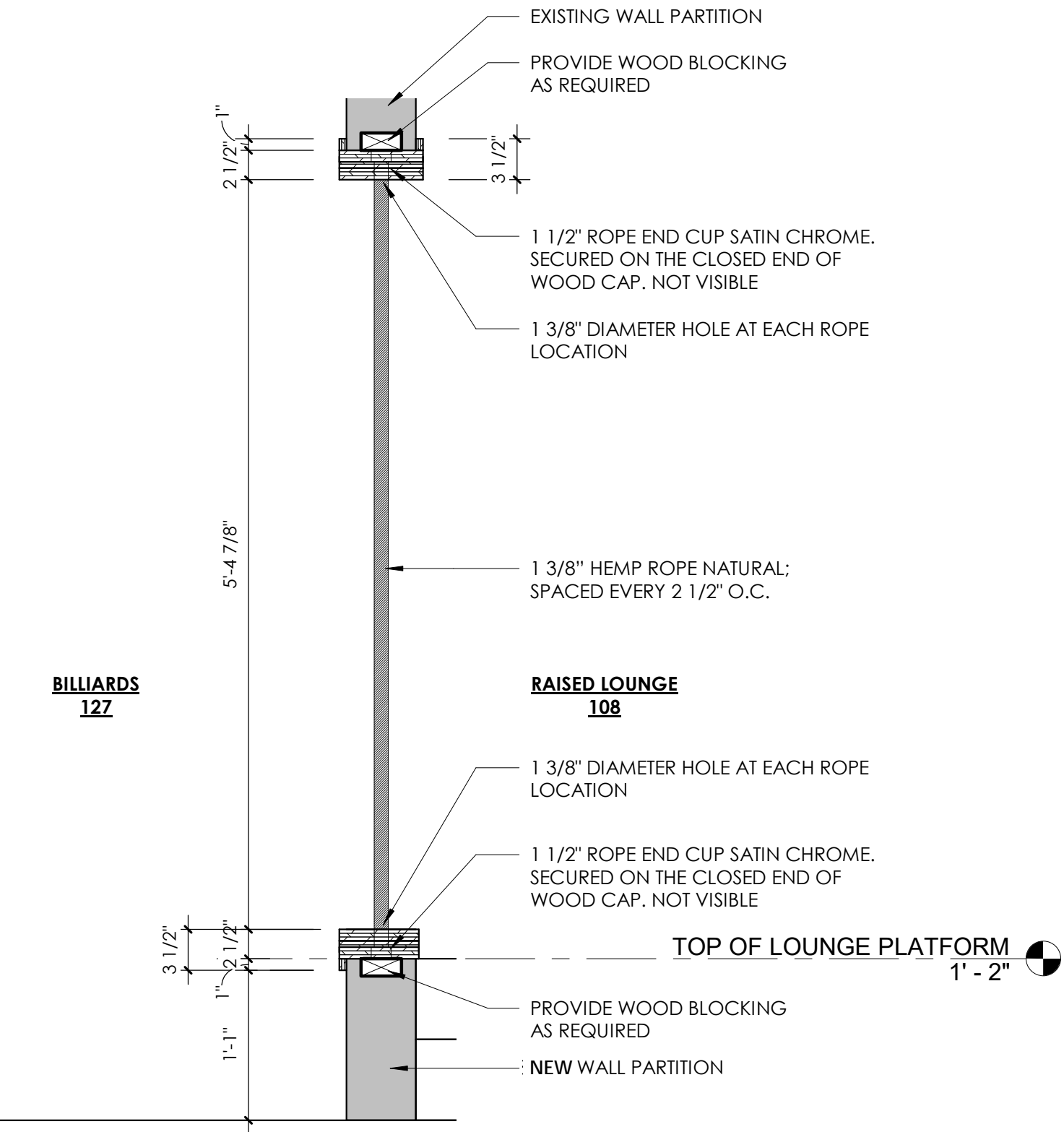
NOT TO SCALE



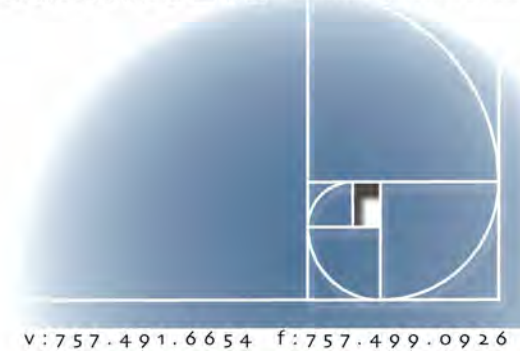
1 DECORATIVE ROPE PARTITON ELEVATION @ RAISED LOUNGE
1/2" = 1'-0"



2 DECORATIVE ROPE PARTITON ELEVATION @ BILLIARD ROOM
1/2" = 1'-0"



3 DECORATIVE ROPE PARTITON SECTION
1" = 1'-0"



CHA PROJECT	21293
ISSUE DATE	11.10.2022
REVISION NO.	DATE

RAISED LOUNGE DETAILS

DOOR SCHEDULE							
DOOR NUMBER	WIDTH	HEIGHT	DESCRIPTION	DOOR TYPE	FRAME TYPE	HARDWARE SET	NOTES
108	3' - 0"	7' - 0"	ALUMIMUM STOREFRONT DOOR	SF	ALUM	SET #5	
113	3' - 0"	6' - 8"	SOLID CORE WOOD DOOR	F	HM-1	SET #1	
114	3' - 0"	6' - 8"	SOLID CORE WOOD DOOR	F	HM-1	SET #2	
115	3' - 0"	6' - 8"	SOLID CORE WOOD DOOR	EXISTING	EXISTING	--	EXISTING DOOR, DOOR FRAME AND HARDWARD TO REMAIN. ADD OVERHEAD CLOSER AND DOOR STOP
136	3' - 0"	6' - 8"	SOLID CORE WOOD DOOR	F	HM-1	SET #3	
138	3' - 0"	6' - 8"	SOLID CORE WOOD DOOR	F	HM-1	SET #3	
202	3' - 0"	7' - 1"	ALUMIMUM STOREFRONT DOOR	SF	ALUM	SET #4	

TYPICAL DOOR SCHEDULE GENERAL NOTES:

- A. ALL DOOR HARDWARE SHALL HAVE A SHAPE THAT CONFORMS WITH ADA/ACCESSIBILITY & ANSI A117.1 REQUIREMENTS FOR DOOR HARDWARE.
- B. DOORS AND DOOR HARDWARE SHALL BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
- C. ALL DOORS SHALL HAVE DOOR SILENCERS AND DOOR STOPS UNLESS OTHERWISE NOTED.
- D. CONTRACTOR TO COORDINATE KEYING REQUIREMENTS WITH OWNER.
- E. PROVIDE APPROPRIATE ANCHORAGE FOR ALL DOOR FRAMES PER MANUFACTURERS RECOMMENDATIONS.
- F. PROVIDE STOPS FOR ALL INTERIOR AND EXTERIOR DOORS.
- G. REVIEW PLANS FOR PROPER APPLICATION OF EACH SPECIFIC FINISH.
- H. ALL GLASS WITHIN 18" OF ANY DOOR SHALL BE TEMPERED SAFETY GLASS.
- I. ALL DOORS USED IN THE MEANS OF EGRESS (EXITS) SHALL BE SIDE HINGED AND SWING IN THE DIRECTION OF EGRESS.
- J. IF ANY LOCKING OR LATCHING DEVICE IS TO BE PROVIDED, ONLY NFPA HARDWARE MAY BE USED.
- K. CAULK DOOR FRAMES TO VCT AND/OR VINYL FLOORING FOR CLEAN TRANSITION.
- L. EXIT DOORS SHALL NOT BE SUBJECT TO THE USE OF A KEY FOR OPERATION FROM THE INSIDE OF THE BUILDING (NFPA 101 5-2.1.5.1) DURING HOURS THAT THE BUILDING OCCUPIED.
- M. THE FLOOR ON BOTH SIDES OF A DOOR SHALL BE LEVEL AND AT THE SAME ELEVATION FOR A DISTANCE OF AT LEAST EQUAL TO THE WIDTH OF THE WIDEST SINGLE DOOR (NFPA 101 5-2.1.3.3).
- N. ANY DOOR WITH A CLOSER SHALL HAVE ITS SWEEP PERIOD ADJUSTED SO THAT FROM AN OPEN POSITION TO 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES SEPARATING THE LATCH AND THE LEADING EDGE OF THE DOOR.
- O. ALL HARDWARE TO BE HEAVY DUTY INDUSTRIAL GRADE.
- P. PROVIDE MIN. 3 JAMB ANCHORS PER JAMB SIDE.
- Q. PROVIDE SOLID F.T. BLOCKING AT ALL WALL STOPS.
- R. SEE PLANS FOR DOOR HANDING/ORIENTATION.
- S. FIELD VERIFY ALL EXISTING OPENINGS PRIOR TO ORDERING NEW DOORS.

DPW CORE & DOOR HARDWARE STANDARDS

DPW CORE & DOOR HARDWARE STANDARDS:

- A. INTERCHANGEABLE CORE, 7 PIN, E KEYWAY, SMALL FORMAT UNLESS SCOPED DIFFERENT BY DPW
- B. CORE MARK STAMPED ON SIDE OF CORE AND FACE OF KEY
- C. 2 OPERATING KEYS PER CORE, ALL KEYS CUT TIP TO BOW
- D. BITTING LIST MUST BE PROVIDED TO DPW BY CORE COMPANY USING ADDRESS BELOW
- E. CORE MARK TO BE DESIGNATED BY DPW
- F. SMALL FORMAT CYLINDRICAL AND/OR MORTISE TYPE LOCK SET (GRADE 1)
- G. ONLY ACCEPTED DOOR HARDWARE & CORE MANUFACTURES – BEST, DORMAKABA, SCHLAGE AND FALCON
- H. ALL CIPHER, CARD SWIPE, ETC. TYPE LOCKS ARE REQUIRED TO HAVE A HARD KEY OVER RIDE THAT WILL ACCEPT DPW 7 PIN E KEYWAY
- I. INTERCHANGEABLE CORE. ALL STORE FRONT DOORS ARE REQUIRED TO HAVE A CYLINDER THAT WILL ACCEPT A 7 PIN E KEYWAY
- J. MASTER KEY SYSTEM & KEYING FOR PROJECT TO BE DESIGNATED BY DPW INSTALLATION KEY MANAGER LISTED BELOW.
- K. CORE MANUFACTURE WILL CONTACT DPW INSTALLATION KEY MANAGER FOR ALL CORE & KEY INFORMATION.

ALL CORES & KEYS MUST BE SENT TO THIS ADDRESS BY SUPPLIER:

DPW, MASTER PLANNING DIVISION
6650 MELOY DRIVE, ROOM 316
FORT BENNING, GEORGIA 31905
ATTN: ERIC CONNOR

TYPICAL DOOR FINISH NOTES

- A. DO NOT PAINT ALUMINUM, WOOD, OR OTHER FACTORY APPLIED FINISHES UNLESS OTHERWISE NOTED.

DOOR HARDWARE SETS:

- A. ALL NEW DOORS WITH NEW HARDWARE SHALL MATCH EXISTING; INCLUDING BUT NOT LIMITED TO, MANUFACTURER, TYPE, MODEL AND FINISH.

SET #1 (STORAGE)

- 1 1/2 PAIR BUTT HINGES
- CYLINDRICAL STOREROOM LOCKSET
- WALL STOP

SET #2 (PUBLIC RR)

- 1 1/2 PAIR BUTT HINGES
- PASSAGE LOCKSET
- CLOSER
- WALL STOP

SET #3 (OFFICE)

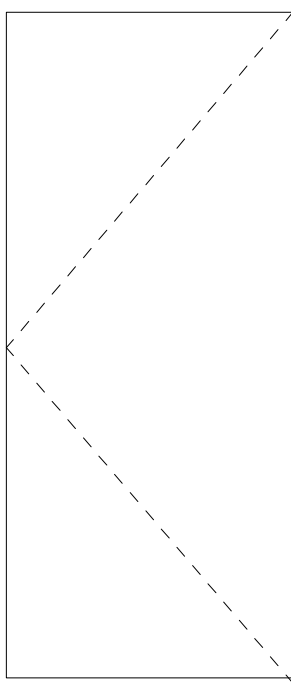
- 1 1/2 PAIR BUTT HINGES
- CYLINDRICAL OFFICE LOCKSET
- WALL STOP

SET #4 (CONFERENCE RM)

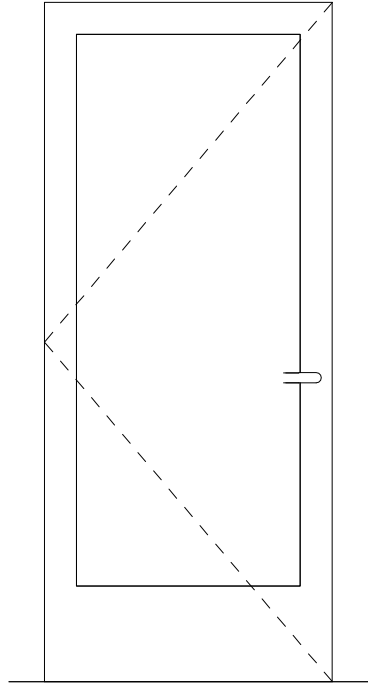
- HEAVY DUTY OFFSET PIVOTS
- CONCEALED OVERHEAD CLOSER
- CLASSROOM LOCKSET

SET #5 (KID'S AREA)

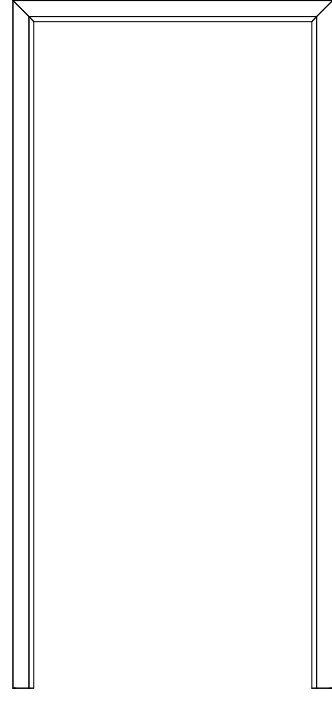
- HEAVY DUTY OFFSET PIVOTS
- CONCEALED OVERHEAD CLOSER
- PASSAGE LOCKSET



F - FLUSH
SOLID WOOD



SF -
STOREFRONT DOOR



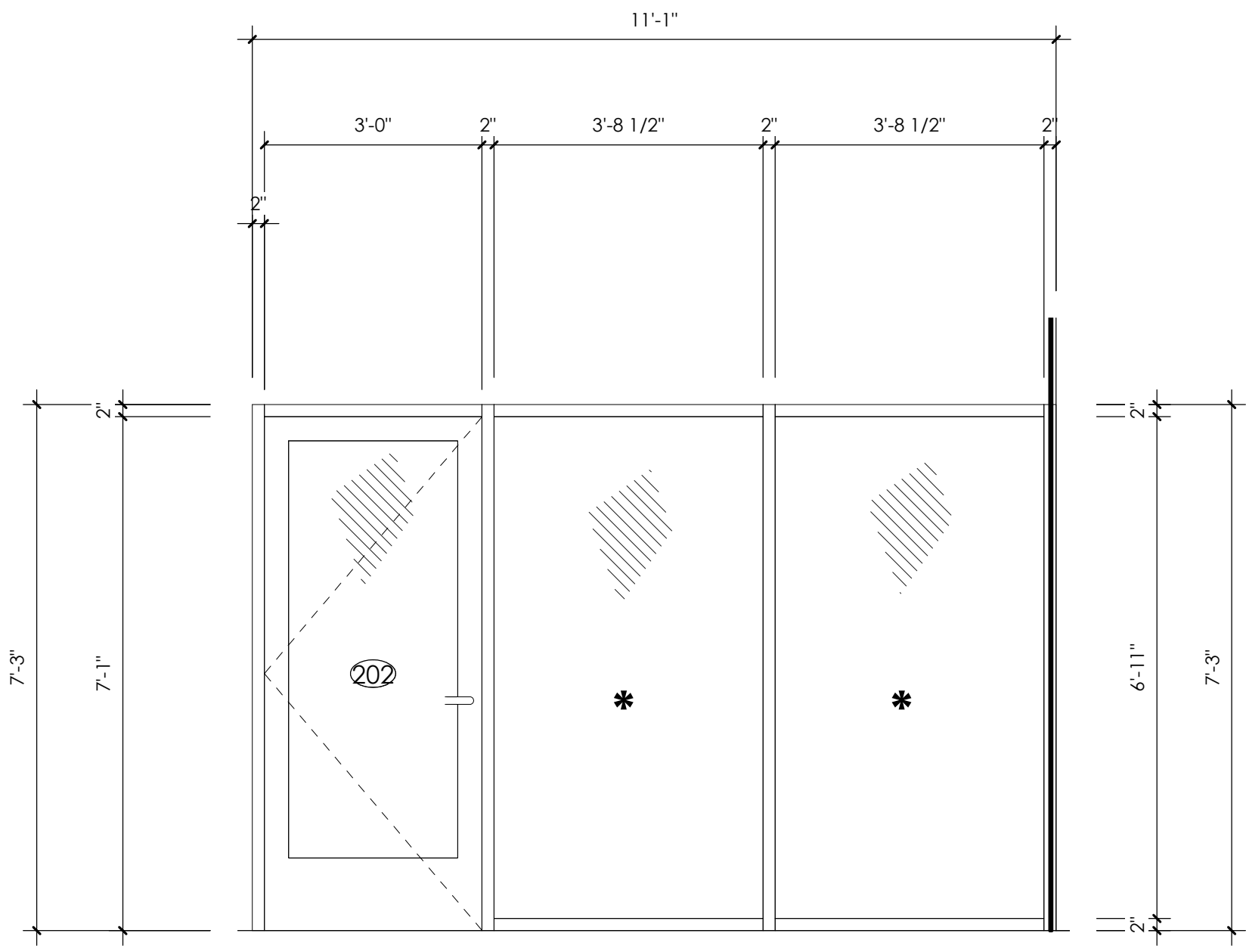
HM-1
STEEL FRAME

DOOR TYPE

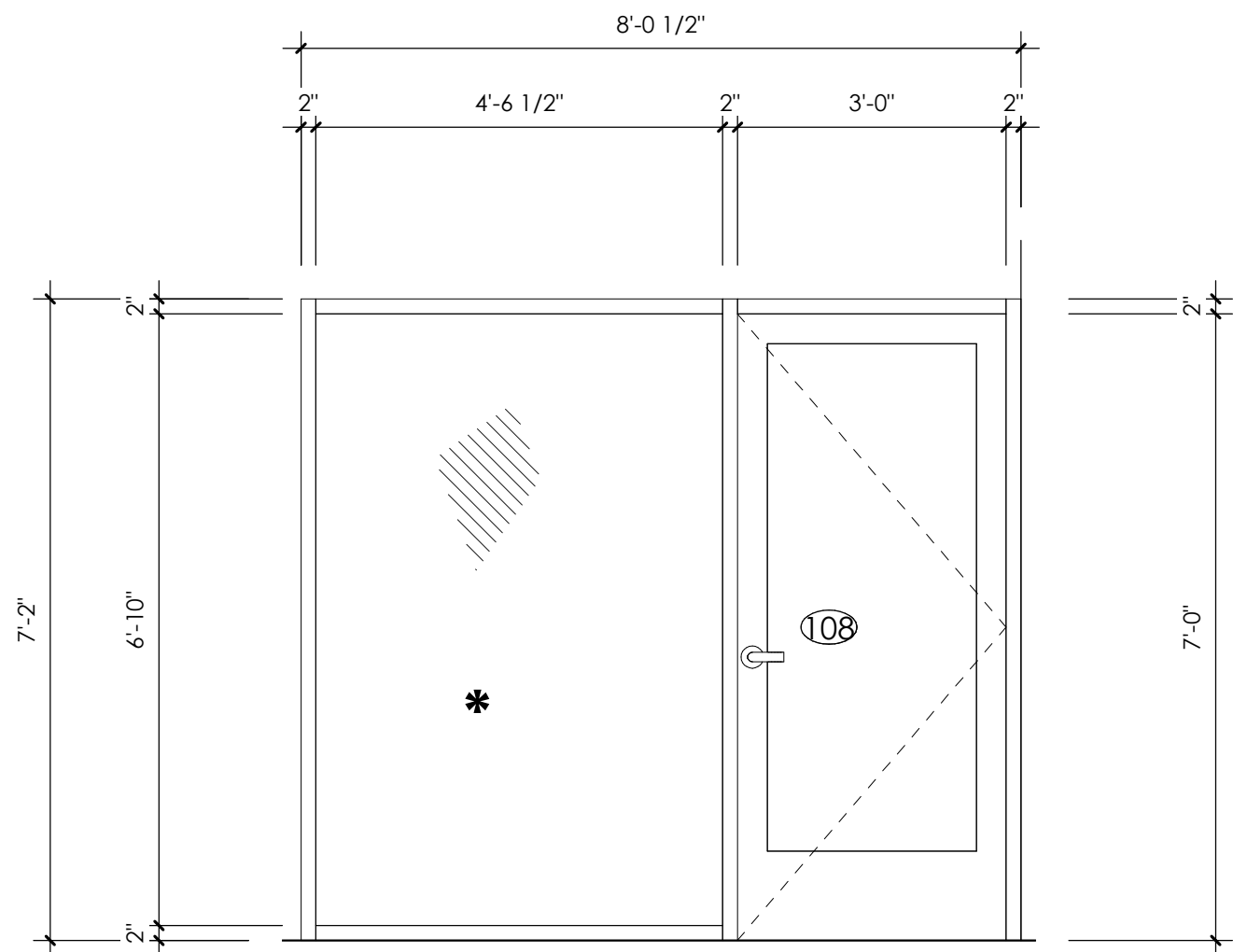
1/2" = 1'-0"

FRAME TYPE

1/2" = 1'-0"



(A)



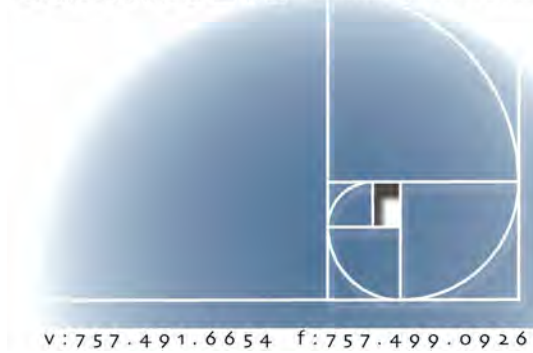
(B)

STOREFRONT ELEVATIONS

1/2" = 1'-0"

TYPICAL GENERAL NOTES - STOREFRONT

- A. STOREFRONT/GLAZING SIZES SHOWN ARE APPROXIMATE IN NATURE - FIELD VERIFY ALL INTENDED OPENINGS FOR SIZE/HANDING AND OPERATION PRIOR TO FABRICATION/ORDERING
- B. PROVIDE SAFETY TEMPERED GLAZING AS INDICATED AND AS REQUIRED BY CURRENT CODE. " * " DENOTES TEMPERED SAFETY GLASS
- C. ALL INTERIOR STOREFRONT SHALL BE TRIFAB 450 BY KAWNEER IR APPROVED EQUAL. FINISH TO BE CLEAR ANODIZED.

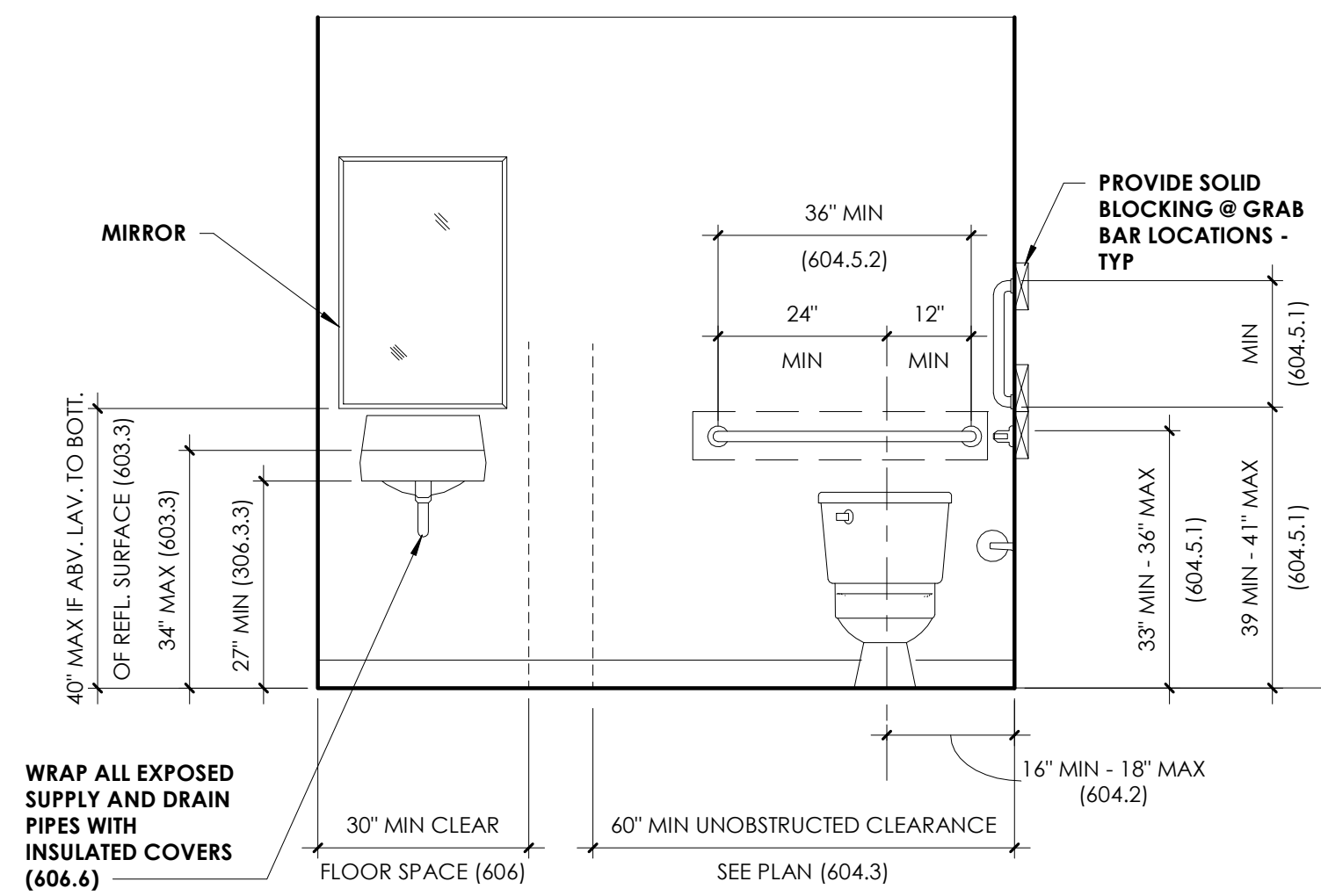


CHA PROJECT	21293
ISSUE DATE	11.10.2022
REVISION NO.	DATE

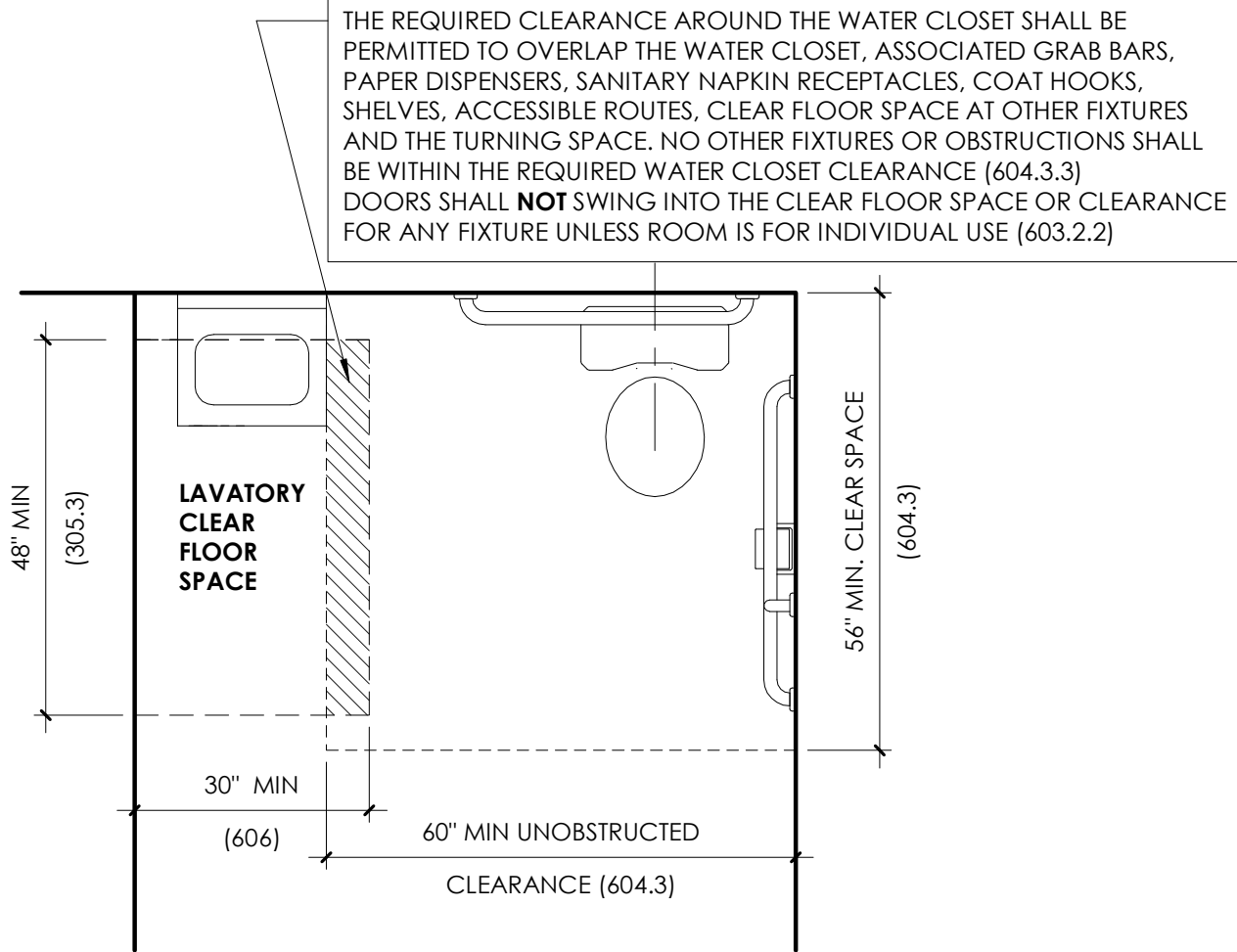
DOOR SCHEDULE,
STOREFRONT ELEVATIONS AND
DETAILS

TYPICAL ANSI DETAIL NOTES

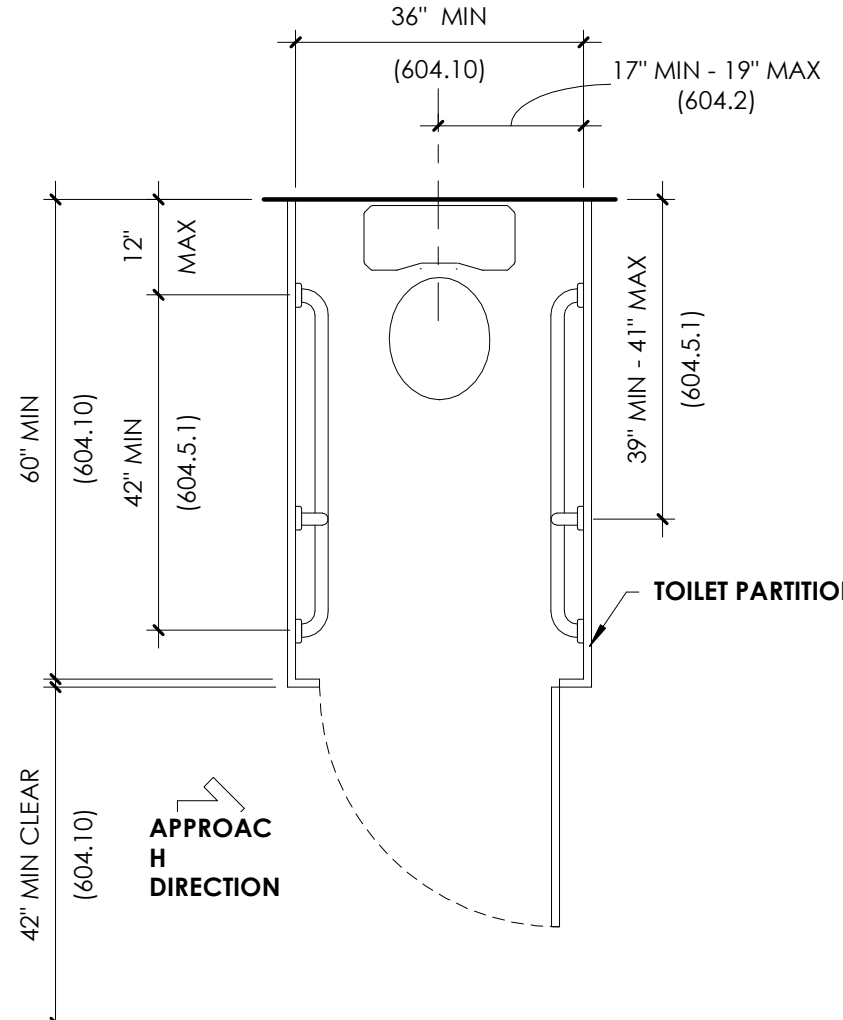
- LAYOUTS AND INFORMATION SHOWN ON THIS SHEET ARE "TYPICAL" IN NATURE AND MAY OR MAY NOT BE APPLICABLE TO THIS JOB. INFORMATION SHOWN IS NOT INCLUSIVE OF ALL REQUIREMENTS OF CODES, BUT IS INTENDED AS A GENERAL REFERENCE FOR MOST APPLICATIONS - SEE APPLICABLE CODE SECTIONS AS INDICATED IN BRACKETS (XXX.XX) ABOVE FOR COMPLETE REQUIREMENTS.
- DIMENSIONS SHOWN ARE INSIDE, CLEAR, FINISHED DIMENSIONS AS REQUIRED TO MEET HANDICAPPED CLEARANCE CRITERIA. COORDINATE STUD/FINISH AND SUBSTRATE DIMENSIONS W/ WALL TYPES SHOWN ON FLOOR PLAN.
- PROVIDE FRT WOOD BLOCKING IN WALL BEHIND ALL WALL MOUNTED TOILET ACCESSORIES & EQUIPMENT.
- FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC AND SHALL COMPLY WITH SECTION 309. CONTROLS FOR HAND OPERATED FLUSH VALVES SHALL BE MOUNTED ON THE OPEN SIDE OF TOILET AREAS & NO MORE THAN 44" ABOVE THE FLOOR.
- SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS (606.4)
- GRAB BAR DIAMETERS SHALL BE BETWEEN 1 1/4" AND 2" OUTSIDE DIAMETER - A 1 1/2" CLEARANCE BETWEEN GRAB BARS AND ADJACENT SURFACES (609)
- CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LB (309)



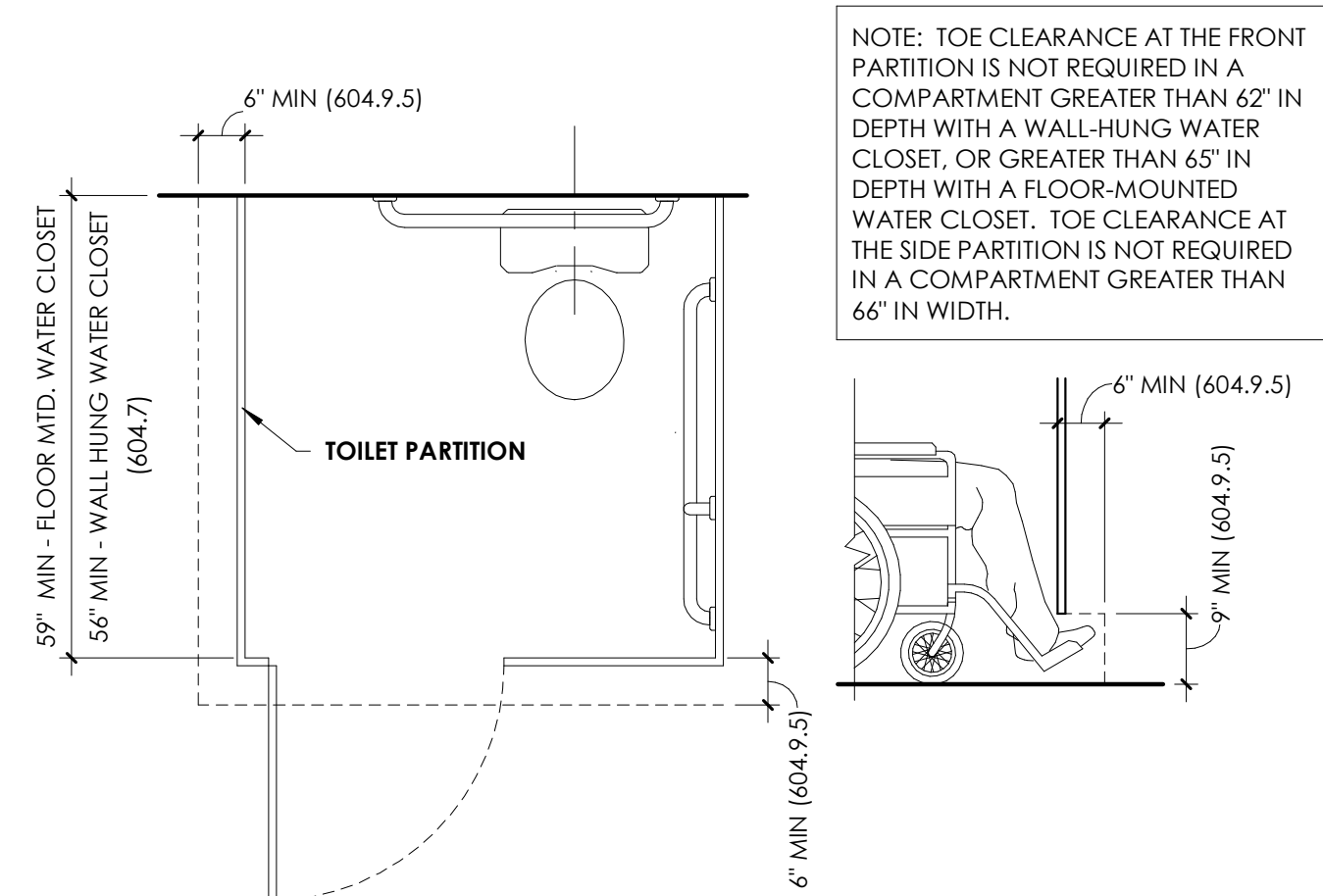
WHEELCHAIR ACCESSIBLE RESTROOM



WHEELCHAIR ACCESSIBLE RESTROOM

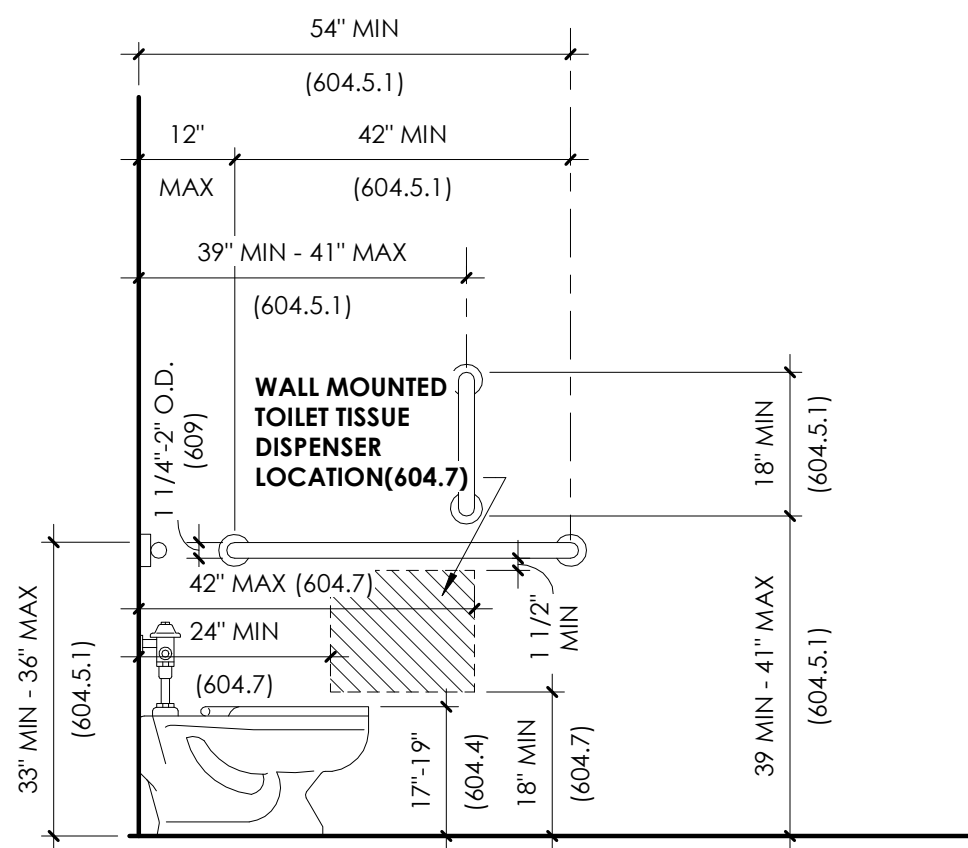


AMBULATORY ACCESSIBLE COMPARTMENT

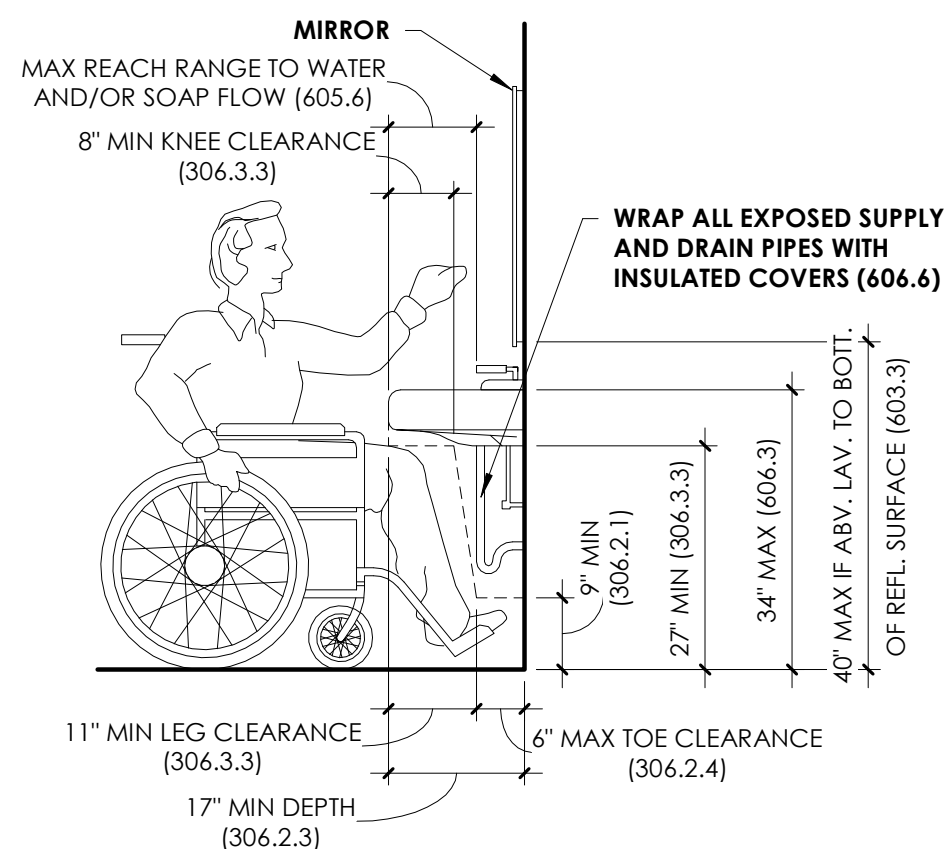


WHEELCHAIR ACCESSIBLE COMPARTMENT TOE CLEARANCE

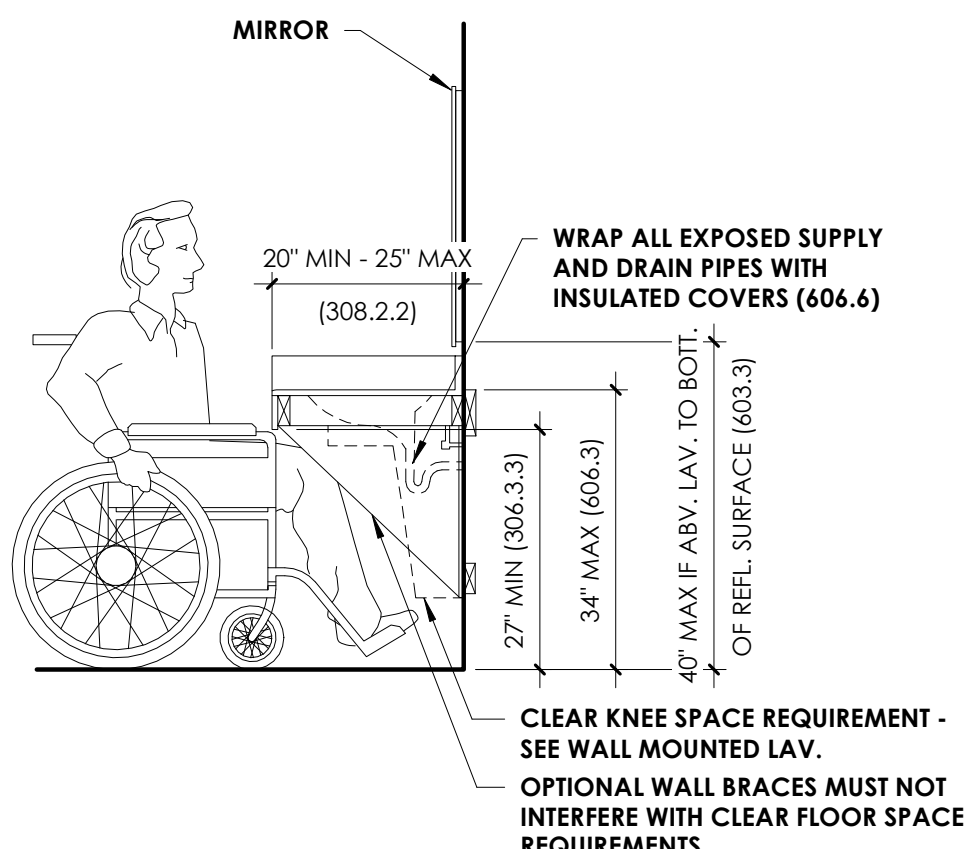
TYPICAL ELEVATION HEIGHTS



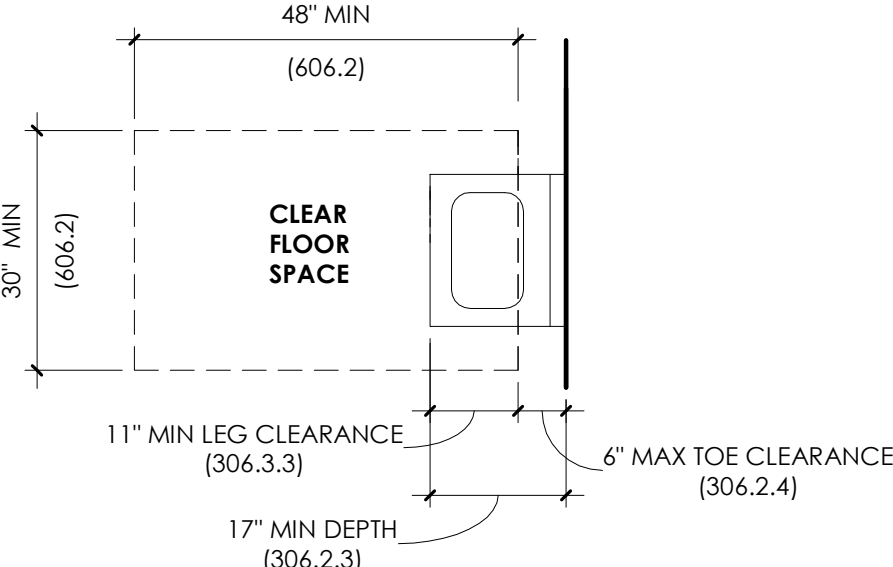
SIDE ELEVATION



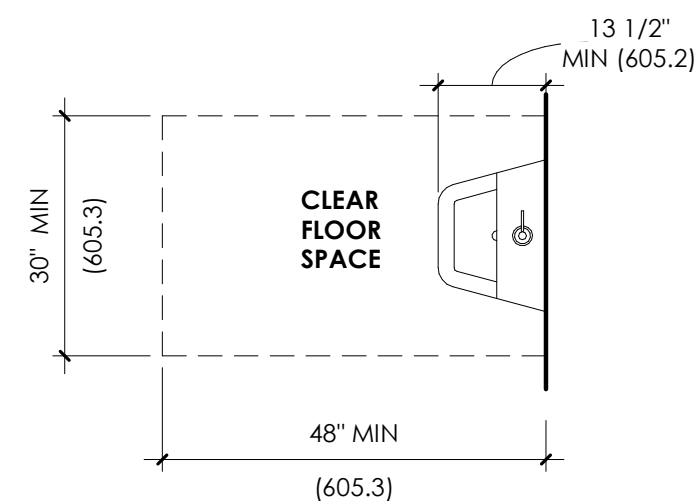
WALL MOUNTED LAVATORY CLEARANCES



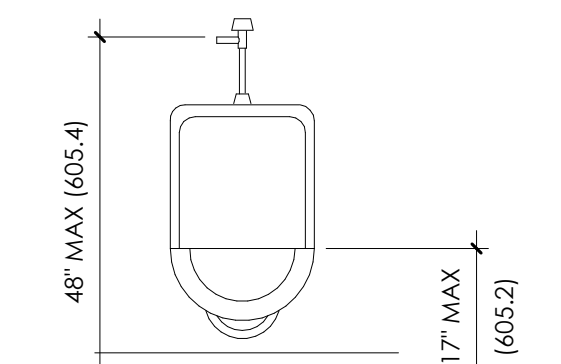
BUILT-IN LAVATORY CLEARANCES - SEE WALL MOUNTED LAVATORY DIAGRAM FOR ITEMS NOT NOTED



CLEAR FLOOR SPACE AT LAVATORY

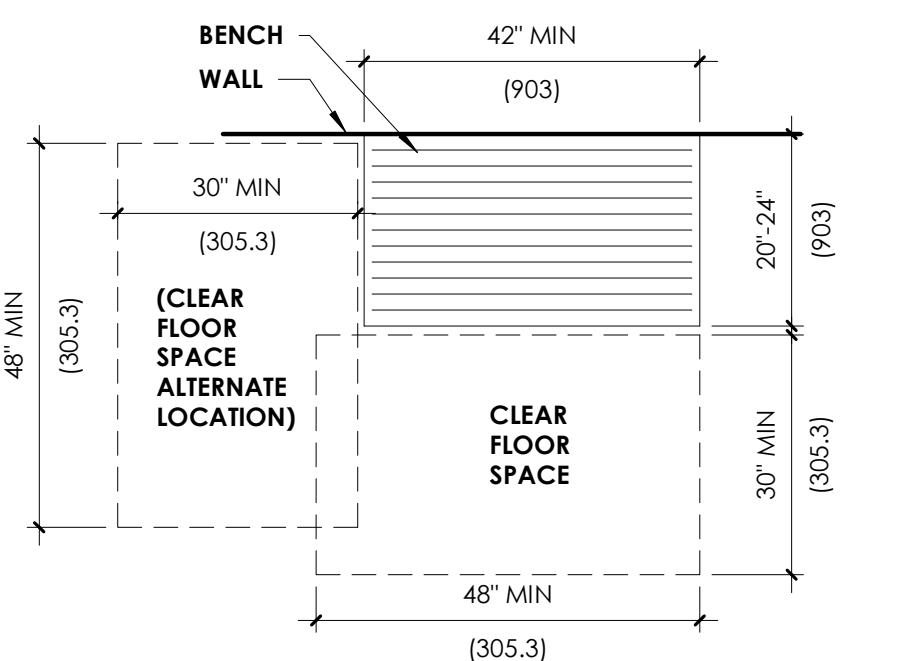


CLEAR FLOOR SPACE AT URINAL

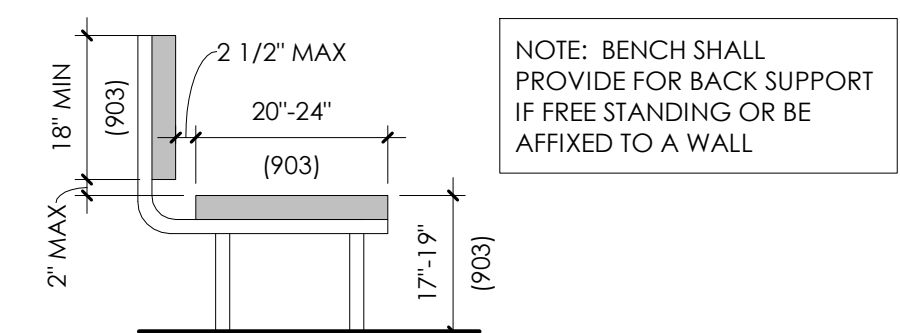


WALL HUNG URINAL

TYPICAL TOILET ELEVATION



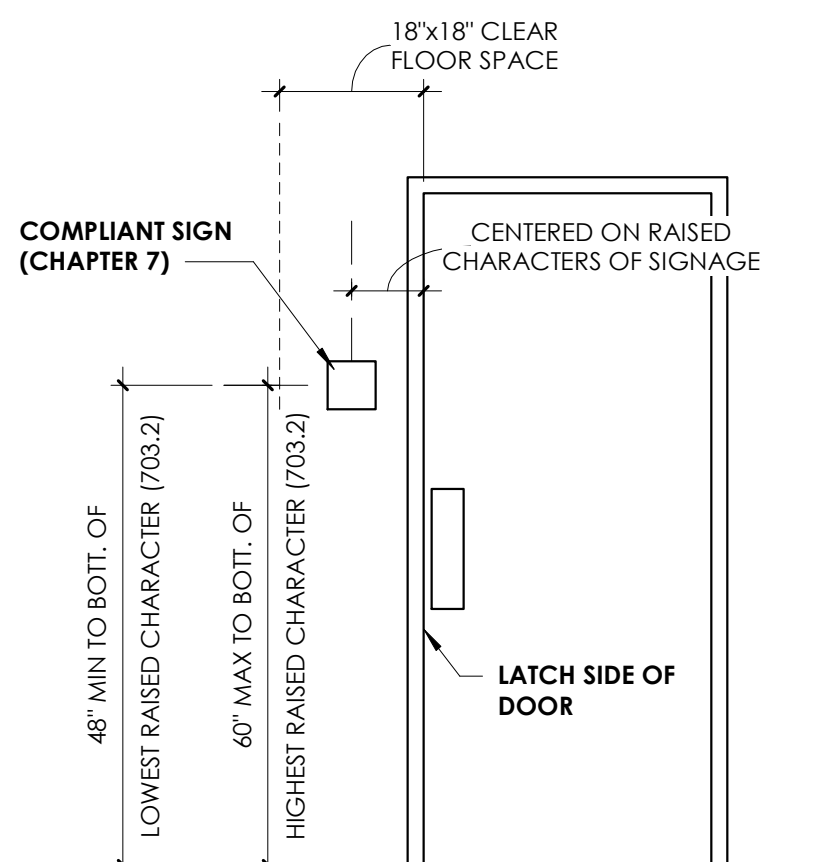
BENCH SIZE AND OPTIONS FOR CLEAR FLOOR SPACE



BENCH BACK SUPPORT AND SEAT HEIGHT

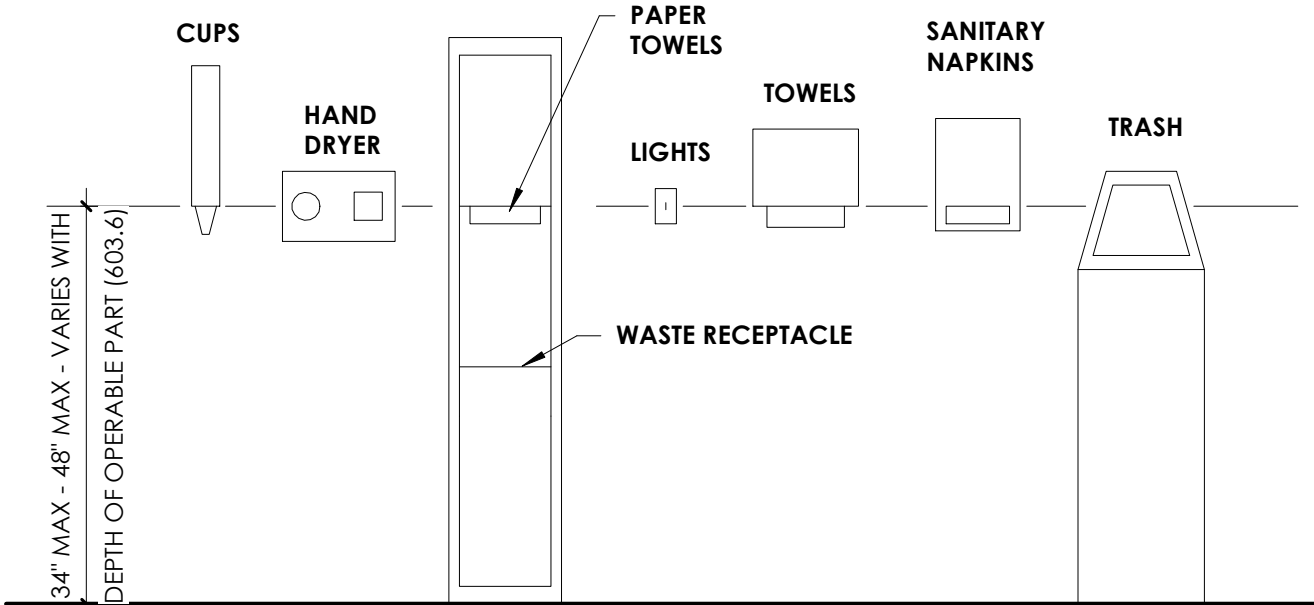
ACCESSIBLE BENCH DETAILS

TYPICAL LAVATORY CLEARANCES



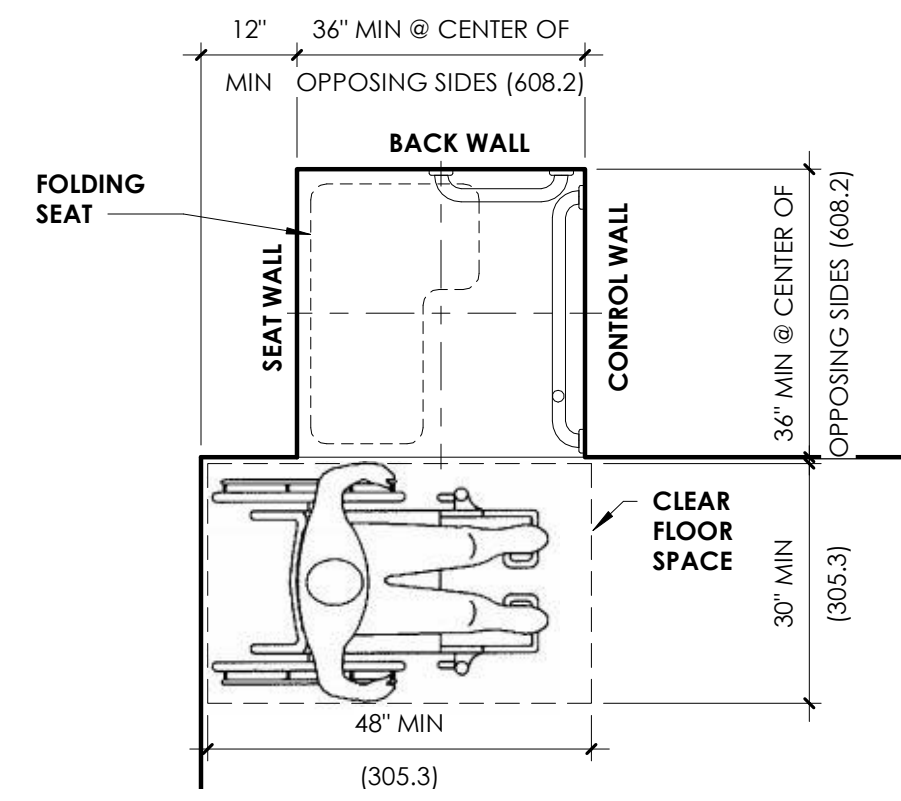
TYPICAL SIGNAGE @ DOOR

SIGNAGE



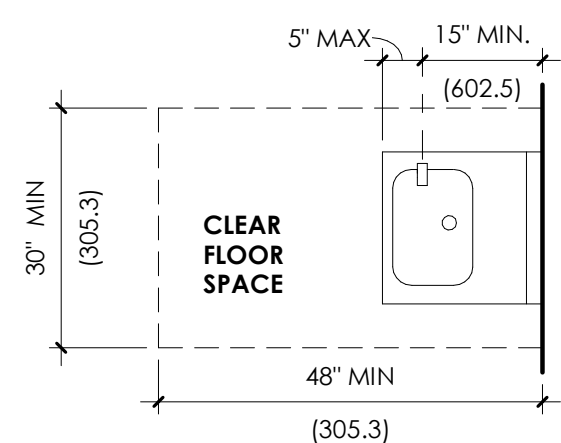
NOTE: OBJECTS WITH LEADING EDGES MORE THAN 27" AND NOT MORE THAN 80" ABOVE THE FLOOR SHALL PROTRUDE 4" MAXIMUM HORIZONTALLY INTO THE CIRCULATION PATH.

TYPICAL MISC. FIXTURE HEIGHTS

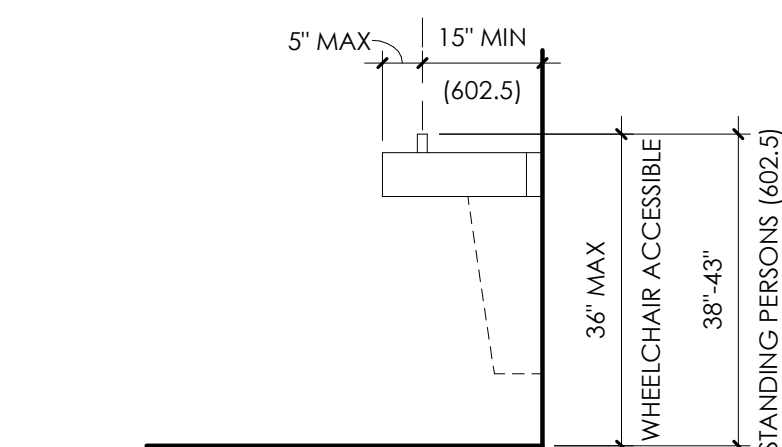


TYPICAL TRANSFER-TYPE SHOWER COMPARTMENT

TYPICAL URINAL CLEARANCES



CLEAR FLOOR SPACE AT DRINKING FOUNTAINS



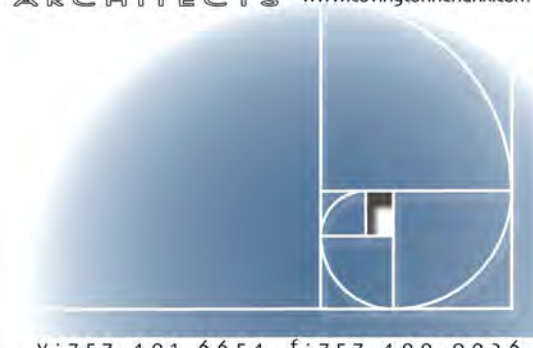
DRINKING FOUNTAIN SPOUT LOCATION/HEIGHT

TYPICAL DRINKING FOUNTAIN

RECORD
DRAWINGS
2023.11.30

INTERIOR RENOVATIONS
USO FORT BENNING BLDG 109
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COVINGTON
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ISSUE DATE 11.10.2022
REVISION NO. DATE
1 2021.06.01

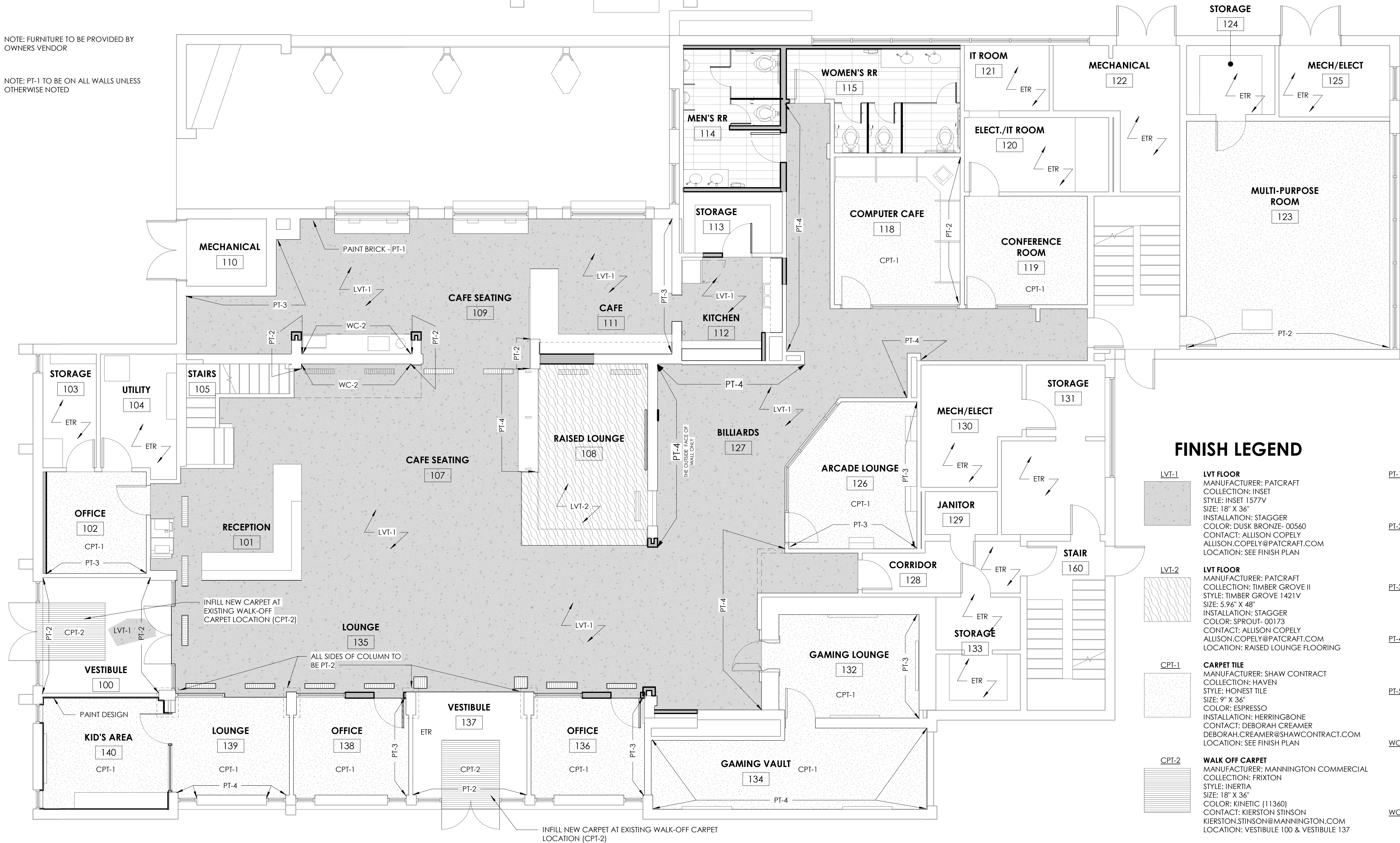
TYPICAL ANSI DETAILS

A7.0

ANSI A117.1-2009 - CHAA REVISION - 11.01.17

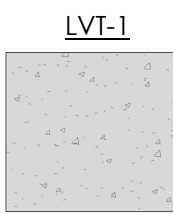
NOTE: FURNITURE TO BE PROVIDED BY OWNERS VENDOR

NOTE: PT-1 TO BE ON ALL WALLS UNLESS OTHERWISE NOTED

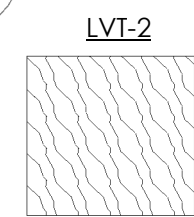


FINISH FLOOR PLAN
3/16" = 1'-0"

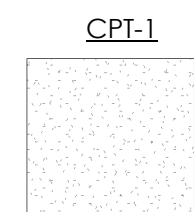
FINISH LEGEND



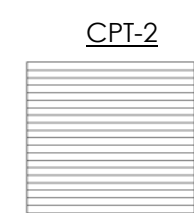
LVT FLOOR
MANUFACTURER: PATCRAFT
COLLECTION: INSET
STYLE: INSET 1577V
SIZE: 18" X 36"
INSTALLATION: STAGGER
COLOR: DUSK BRONZE- 00560
CONTACT: ALLISON COPELY
ALLISON.COPELY@PATCRAFT.COM
LOCATION: SEE FINISH PLAN



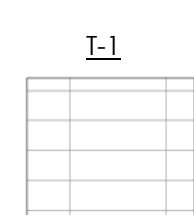
LVT FLOOR
MANUFACTURER: PATCRAFT
COLLECTION: TIMBER GROVE II
STYLE: TIMBER GROVE 1421V
SIZE: 5'9" X 48"
INSTALLATION: STAGGER
COLOR: SPROUT- 00173
CONTACT: ALLISON COPELY
ALLISON.COPELY@PATCRAFT.COM
LOCATION: SEE FINISH PLAN



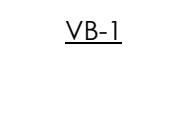
CARPET TILE
MANUFACTURER: SHAW CONTRACT
COLLECTION: HAVEN
STYLE: HONEST TILE
SIZE: 9" X 36"
COLOR: ESPRESSO
INSTALLATION: HERRINGBONE
CONTACT: DEBORAH CREAMER
DEBORAH.CREAMER@SHAWCONTRACT.COM
LOCATION: SEE FINISH PLAN



WALK OFF CARPET
MANUFACTURER: MANNINGTON COMMERCIAL
COLLECTION: FRITXON
STYLE: INERTIA
SIZE: 18" X 36"
COLOR: KINETIC (11360)
CONTACT: KIERSTON STINSON
KIERSTON.STINSON@MANNINGTON.COM
LOCATION: VESTIBULE 100 & VESTIBULE 137



RESTROOM FLOOR AND WALL TILE
MANUFACTURER: ATLAS CONCORDE
COLLECTION: COVE
SIZE: 12" X 24"
COLOR: PEBBLE
CONTACT: JENNY REEVES
JREEVES@MOSAICTILECO.COM
LOCATION: MEN AND WOMENS RESTROOM
NOTE: SEE INTERIOR ELEVATIONS FOR VERTICAL TILE INSTALLATION DETAILS



VINYL BASE
MANUFACTURER: TARKETT
COLOR: 63 BURNT UMBER
LOCATION: TO REPLACE EXISTING

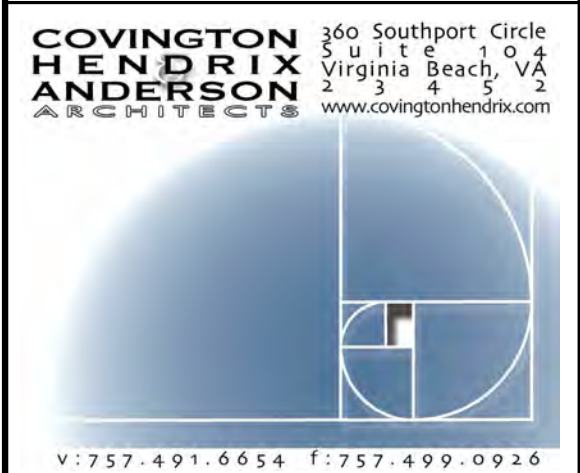


EXISTING FLOORING TO REMAIN

- PT-1 FIELD PAINT**
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW7005 PURE WHITE
FINISH: EGGSHELL
LOCATION: SEE FINISH PLAN
- PT-2 ACCENT PAINT**
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW6510 LOYAL BLUE
FINISH: EGGSHELL
LOCATION: SEE FINISH PLAN & INTERIOR ELEVATIONS FOR DETAILS
- PT-3 ACCENT PAINT**
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW9173 NIEBLA AZUL
FINISH: EGGSHELL
LOCATION: SEE FINISH PLAN
- PT-4 ACCENT PAINT**
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW6494 LAKESHORE
FINISH: EGGSHELL
LOCATION: SEE FINISH PLAN
- PT-5 DOOR AND DOOR FRAME PAINT**
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW7757 HIGH REFLECTIVE WHITE
FINISH: SEMI GLOSS
LOCATION: SEE FINISH PLAN
- WC-1 ACCENT WALLCOVERING**
MANUFACTURER: NATIONAL SOLUTIONS
COLLECTION: GRAPHIC WALLCOVERING
PATTERN: BALLAST II - FADED TEAL
COLOR: CUSTOM COLORS
SALES REP: KRISTEN HOLDEN
KRISTEN.HOLDEN@NATIONALSOLUTIONS.COM
- WC-2 ACCENT WALLCOVERING**
MANUFACTURER: MOMENTUM
COLLECTION: LANARK WALLCOVERING
PATTERN: MERINO
COLOR: PASHMINA
SALES REP: TAYLOR FALLS
TFALLS@MOMTEX.COM
- SS-1 SOLID SURFACE**
MANUFACTURER: WILSONART
COLOR: ANGEL FALLS
LOCATION: SEE INTERIOR ELEVATIONS
- P.LAM-1 PLASTIC LAMINATE**
MANUFACTURER: FORMICA
COLOR: DANISH MAPLE 8906-58
FINISH: MATTE (58)
LOCATION: SEE INTERIOR ELEVATIONS

RECORD
DRAWINGS
2023.11.30

INTERIOR RENOVATIONS USO FORT BENNING BLDG 109 FORT BENNING, GA

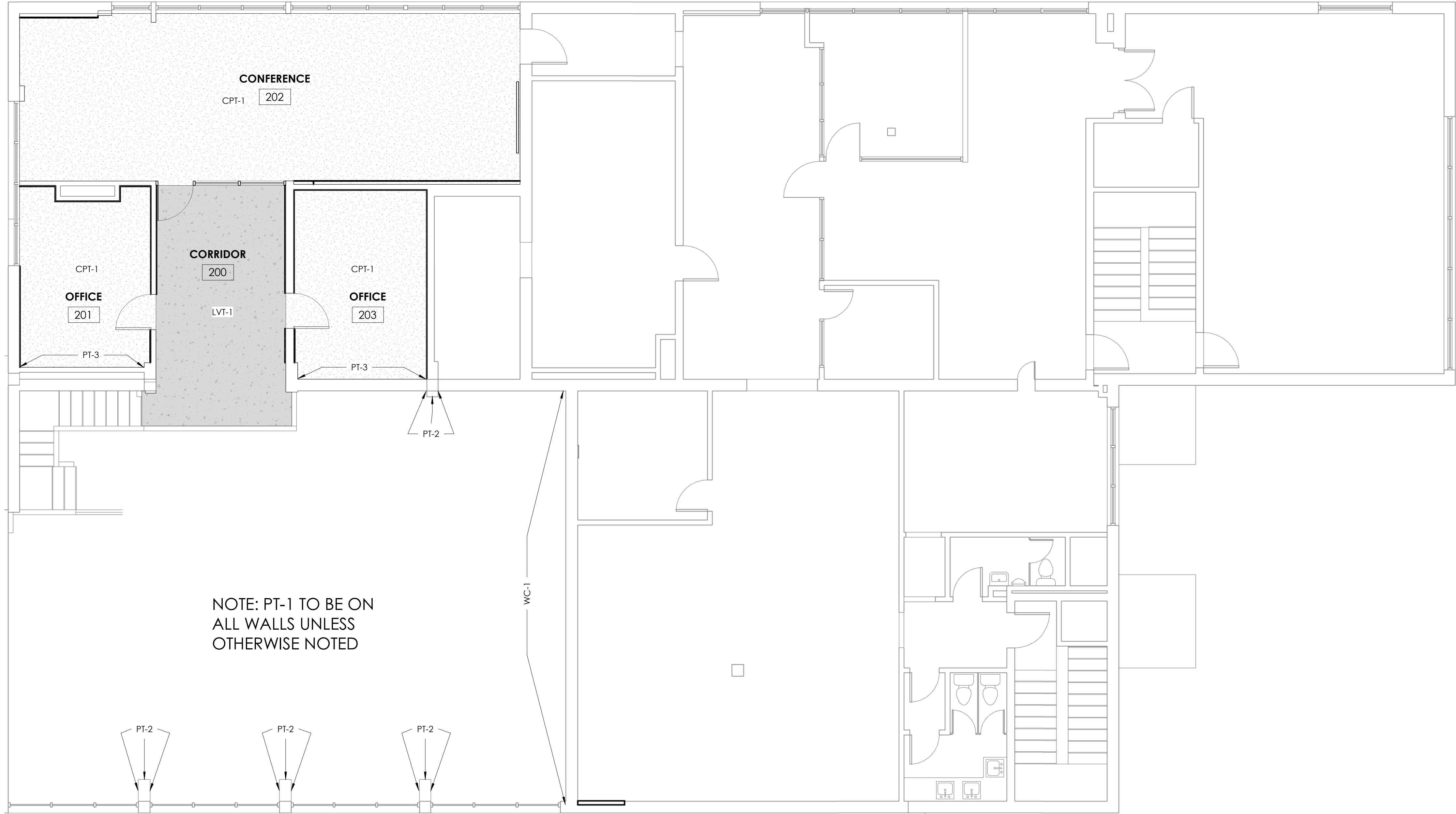


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ISSUE DATE 11.10.2022
REVISION NO. DATE
3 2023.04.12

FINISH PLAN

F1.0

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SECOND FLOOR - FINISH PLAN

3/16" = 1'-0"

NOTE: PT-1 TO BE ON
ALL WALLS UNLESS
OTHERWISE NOTED

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2023.11.30

INTERIOR RENOVATIONS
USO FORT BENNING BLDG 109
FORT BENNING, GA

COVINGTON
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Suite 6
Virginia Beach, VA 23462
www.covingtonhendrix.com



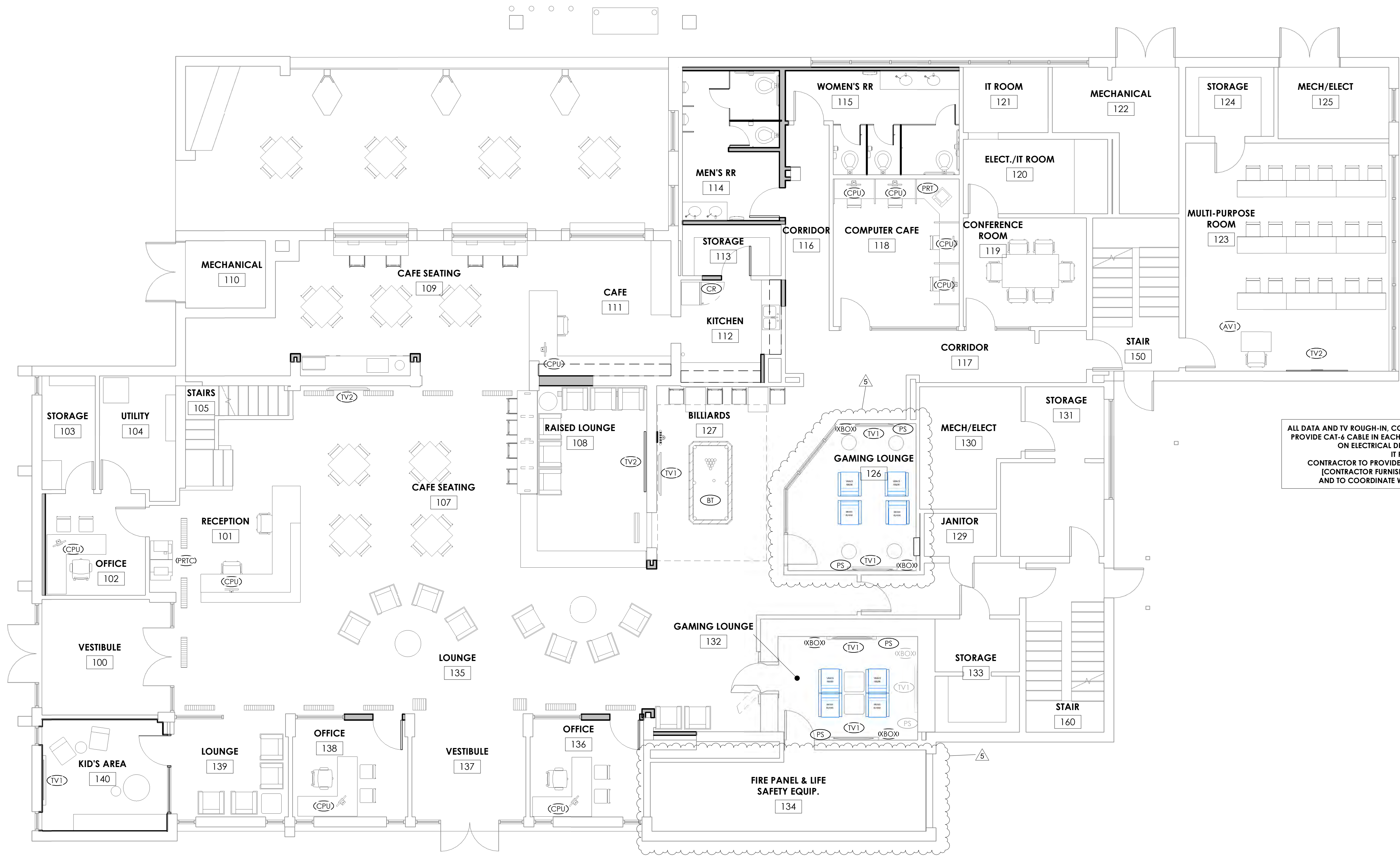
V: 757-491-6654 F: 757-499-0926



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ISSUE DATE	11.10.2022
REVISION NO.	DATE
3	2023.04.12

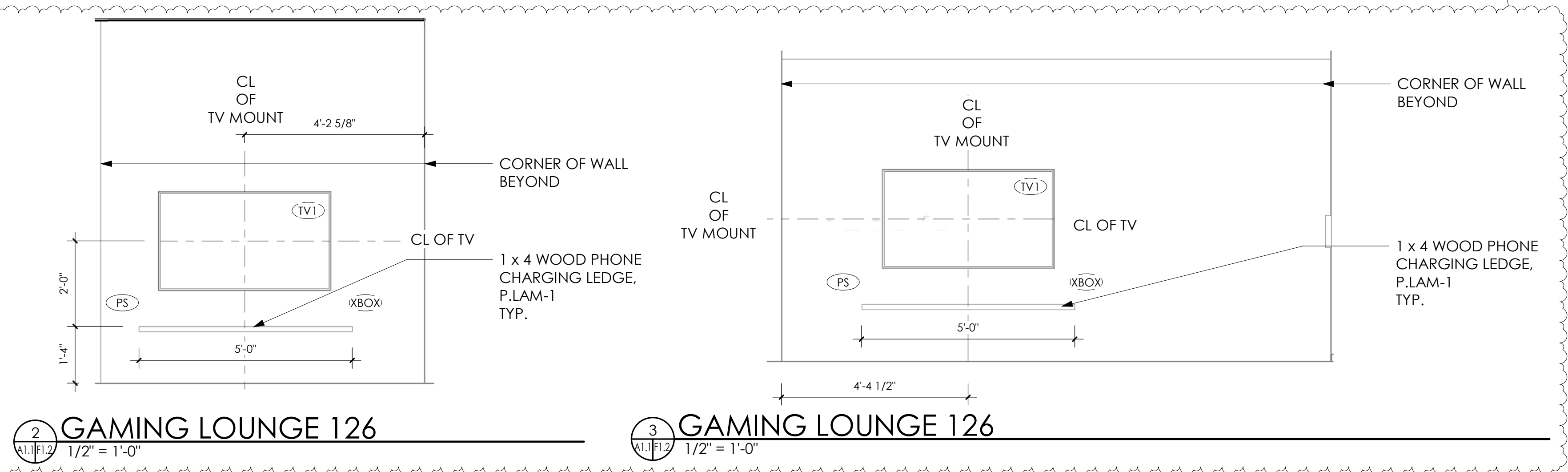
FINISH PLAN - 2ND FLOOR

F1.1



FIRST FLOOR - FURNITURE & EQUIPMENT PLAN

3/16" = 1'-0"



2 GAMING LOUNGE 126

1/2" = 1'-0"

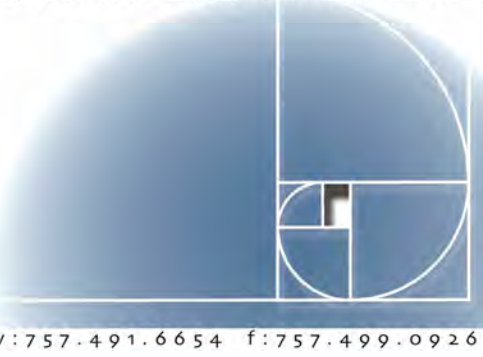
3 GAMING LOUNGE 126

1/2" = 1'-0"

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	NOTES	FURNISHED/INSTALLED
AV1	A/V CONSOLE	PROVIDE POWER AND DATA OUTLET	OWNER FURNISHED, CONTRACTOR INSTALLED
BT	BILLIARD TABLE	--	OWNER FURNISHED, CONTRACTOR INSTALLED
CPU	COMPUTER WITH MONITOR	PROVIDE POWER AND DATA OUTLET	OWNER FURNISHED, OWNER INSTALLED
CR	COMMERCIAL REFRIGERATOR - REFRIGERATOR W/ BOTTOM FREEZER, SUMMIT F8BF2865S	POWER SOURCE NEEDED	CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
MW	COMMERCIAL MICROWAVE ROYAL SOVEREIGN RCMW1000-255S	POWER SOURCE NEEDED	CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
PRT	PRINTER	POWER AND DATA SOURCE NEEDED	OWNER FURNISHED, OWNER INSTALLED
PRTC	PRINTER/COPIER	POWER AND DATA SOURCE NEEDED	OWNER FURNISHED, OWNER INSTALLED
PS	PLAYSTATION GAMING SECURITY BOX; WALL MOUNTED. MANUFACTURER: SECURE ENTERTAINMENT; MODEL: THE CAGE	PROVIDE POWER AND DATA OUTLET. PROVIDE WOOD BLOCKING AS REQUIRED	CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
TV1	55" WALL MOUNTED TV WITH BRACKET BY PROMOUNT-EXTRA LARGE TILT WALL MOUNT F184.	PROVIDE POWER AND DATA OUTLET. PROVIDE WOOD BLOCKING AS REQUIRED	CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
TV2	75" WALL MOUNTED TV WITH BRACKET BY PROMOUNT-EXTRA LARGE TILT WALL MOUNT F184.	PROVIDE POWER AND DATA OUTLET. PROVIDE WOOD BLOCKING AS REQUIRED	CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
XBOX	X-BOX GAMING SECURITY BOX; WALL MOUNTED. MANUFACTURER: SECURE ENTERTAINMENT; MODEL: THE CAGE	PROVIDE POWER AND DATA OUTLET. PROVIDE WOOD BLOCKING AS REQUIRED	CONTRACTOR FURNISHED; CONTRACTOR INSTALLED

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360 Southport Circle
Virginia Beach, VA 23462
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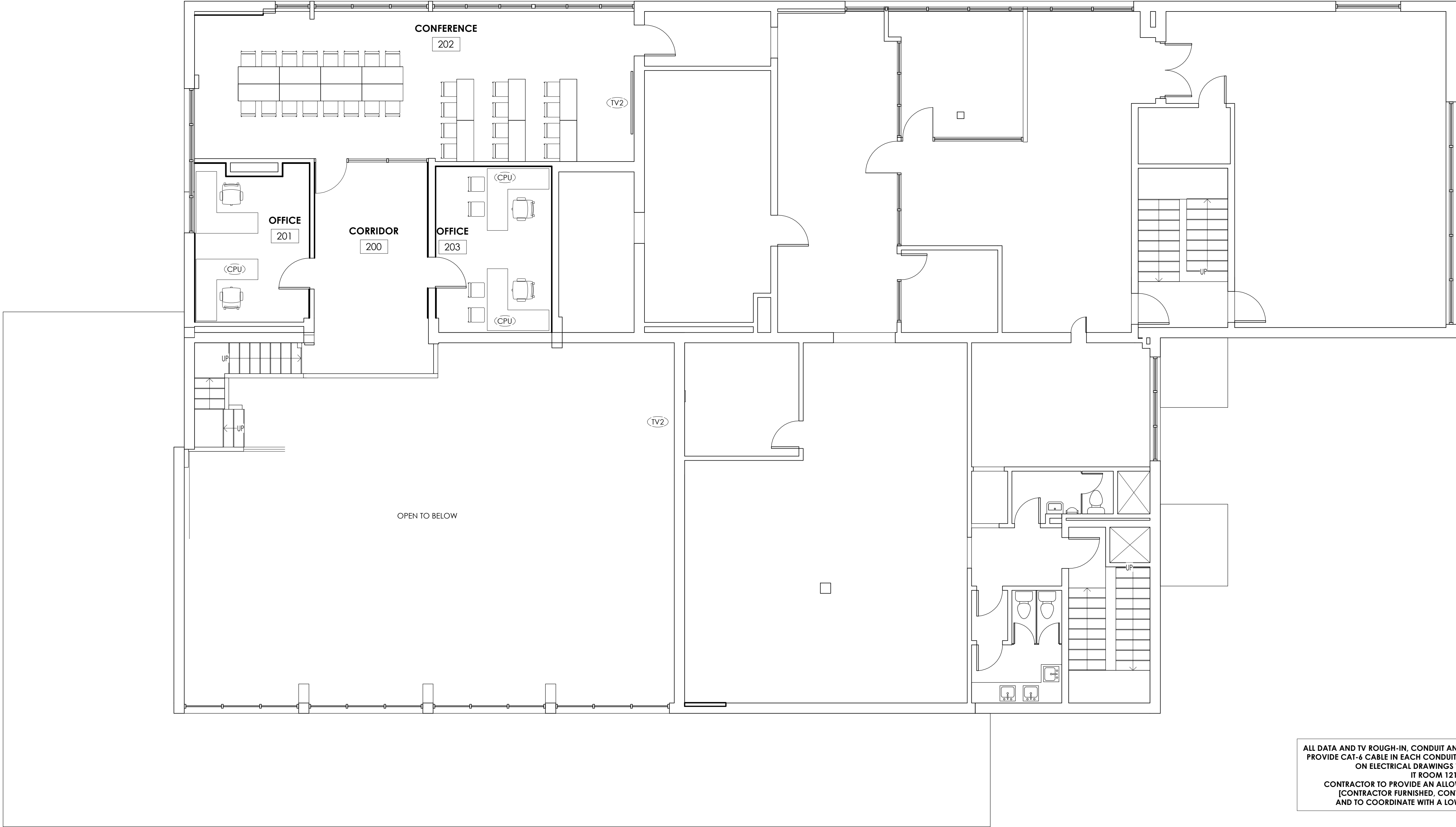
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ISSUE DATE 11.10.2022
REVISION NO. 5 DATE 2023.08.15

FURNITURE & EQUIPMENT PLAN
- FIRST FLOOR

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SECOND FLOOR - FURNITURE PLAN

3/16" = 1'-0"



ALL DATA AND TV ROUGH-IN, CONDUIT AND CABLING BY CONTRACTOR.
PROVIDE CAT-6 CABLE IN EACH CONDUIT FROM EACH DEVICE SHOWN
ON ELECTRICAL DRAWINGS TO DESIGNATED
IT ROOM 121
CONTRACTOR TO PROVIDE AN ALLOWANCE FOR THE IT RACK
[CONTRACTOR FURNISHED, CONTRACTOR INSTALLED]
AND TO COORDINATE WITH A LOW VOLTAGE VENDOR.

EQUIPMENT SCHEDULE			
MARK	DESCRIPTION	NOTES	FURNISHED/INSTALLED
AG1	WALL MOUNTED ARCADE GAME CONSOLE	PROVIDE POWER AND DATA OUTLET. PROVIDE WOOD BLOCKING AS REQUIRED	OWNER FURNISHED, CONTRACTOR INSTALLED
AV1	A/V CONSOLE	PROVIDE POWER AND DATA OUTLET	OWNER FURNISHED, CONTRACTOR INSTALLED
BT	BILLIARD TABLE	-	OWNER FURNISHED, CONTRACTOR INSTALLED
CPU	COMPUTER WITH MONITOR	PROVIDE POWER AND DATA OUTLET	OWNER FURNISHED, OWNER INSTALLED
CR	COMMERCIAL REFRIGERATOR - REFRIGERATOR W/ BOTTOM FREEZER, SUMMIT FFBF286SS	POWER SOURCE NEEDED	CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
MW	COMMERCIAL MICROWAVE ROYAL SOVEREIGN RCMW1000-25SS	POWER SOURCE NEEDED	
PRT	PRINTER	POWER AND DATA SOURCE NEEDED	OWNER FURNISHED, OWNER INSTALLED
PRTC	PRINTER/COPIER	POWER AND DATA SOURCE NEEDED	OWNER FURNISHED, OWNER INSTALLED
PS	PLAYSTATION GAMING SECURITY BOX; WALL MOUNTED. MANUFACTURER: SECURE ENTERTAINMENT; MODEL: THE CAGE	PROVIDE POWER AND DATA OUTLET. PROVIDE WOOD BLOCKING AS REQUIRED	CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
TV1	55" WALL MOUNTED TV WITH BRACKET BY PROMOUNT-EXTRA LARGE TILT WALL MOUNT F184.	PROVIDE POWER AND DATA OUTLET. PROVIDE WOOD BLOCKING AS REQUIRED	CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
TV2	75" WALL MOUNTED TV WITH BRACKET BY PROMOUNT-EXTRA LARGE TILT WALL MOUNT F184.	PROVIDE POWER AND DATA OUTLET. PROVIDE WOOD BLOCKING AS REQUIRED	CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
XBOX	X-BOX GAMING SECURITY BOX; WALL MOUNTED. MANUFACTURER: SECURE ENTERTAINMENT; MODEL: THE CAGE	PROVIDE POWER AND DATA OUTLET. PROVIDE WOOD BLOCKING AS REQUIRED	CONTRACTOR FURNISHED; CONTRACTOR INSTALLED

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2023.11.30

INTERIOR RENOVATIONS
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FORT BENNING, GA

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FURNITURE & EQUIPMENT PLAN
- SECOND FLOOR

F1.3

MANUFACTURER'S RECOMMENDATIONS:

ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION FOR THE INTENDED PURPOSE. USE THE MORE STRINGENT METHODS WHEN MANUFACTURER'S RECOMMENDATIONS, PLANS & SPECIFICATION REQUIREMENTS DIFFER. BRING ANY CONFLICTS BETWEEN MANUFACTURER'S RECOMMENDATIONS, PLANS & SPECIFICATION REQUIREMENTS TO THE GOVERNMENT'S ATTENTION.

FIELD COORDINATION NOTE:

CONTRACTOR TO FIELD COORDINATE ALL PIPING LOCATIONS. EXACT LOCATIONS OF SANITARY PIPING NOT KNOWN, CONTRACTOR TO FIELD TRACE EXACT ROUTING PRIOR TO ANY SAW CUTTING.

CONTRACTOR SHALL VERIFY ALL POINTS OF CONNECTION TO EXISTING AND NEW SYSTEMS AND COMPONENTS, PRIOR TO BEGINNING ANY WORK. ANY CONDITIONS FOUND THAT WILL PROHIBIT MAKING THE INDICATED CONNECTIONS OR EXECUTION OF THE WORK SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. FAILURE TO COMPLY WITH THIS DIRECTION WILL NOT CONSTITUTE THE BASIS OF A CHANGE ORDER FOR RESOLUTION.

CONTRACTOR SHALL COORDINATE CLOSELY WITH ALL TRADES TO ENSURE PLUMBING IS INSTALLED WITHOUT CONFLICTING WITH OTHER BUILDING SYSTEMS. CONTRACTOR SHALL NOT BEGIN WORK IN ANY PORTION OF BUILDING WITHOUT ENSURING COMPLETE COORDINATION BETWEEN TRADES. REFER TO ARCHITECTURAL DRAWINGS FOR CONSTRUCTIONS DETAILS.

ANY CONDITIONS FOUND THAT WILL PROHIBIT MAKING THE FINAL CONNECTION(S) OR EXECUTION OF THE WORK SHALL BE REPORTED TO THE A/E IMMEDIATELY.

ANY SHUT DOWNS OR INTERRUPTIONS IN SERVICE SHALL BE APPROVED BY THE OWNER AT LEAST 7 DAYS BEFORE WORK IS TO BE EXECUTED. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY DELAYS TO THE PROJECT THAT ARISE DUE TO THEIR FAILURE TO COMPLY WITH THESE REQUIREMENTS.

ADDITIONAL WORK SCOPE NOTE:

CONTRACTOR IS RESPONSIBLE FOR CAREFULLY REMOVING, STORING AND RE-INSTALLING CEILING ON FIRST FLOOR. CONTRACTOR IS RESPONSIBLE FOR REPLACING CEILING GRIDS AND CEILING TILES DAMAGED DURING CONSTRUCTION, AT NO COST THE OWNER.

CORE DRILL NOTE:

CONTRACTOR SHALL CORE DRILL, REMOVE & PATCH CONCRETE FLOOR AS REQUIRED TO PERFORM WORK INDICATED. PATCH FLOOR TO MATCH ADJACENT EXISTING CONDITIONS. CONTRACTORS SHALL VERIFY ALL LOCATIONS PRIOR TO DRILLING HOLES.

SANITARY SEWER LINE SCOPE NOTE:

AS INDICATED IN THESE CONTRACT DOCUMENTS, CONTRACTOR SHALL SCOPE AND SCAN ALL SEWER LINES WITHIN THE PROJECT LIMITS TO DETERMINE AND DOCUMENT APPROXIMATE LOCATION, ROUTING, DEBRIS MATTER AND CLOGS PRIOR TO COMMENCEMENT OF WORK. PROVIDE DRAWINGS AND DVD TO OWNER AND ENGINEER FOR REVIEW.

SAW CUT NOTE:

CONTRACTOR SHALL VERIFY PIPE INVERTS PRIOR TO SAW CUTTING. CONTRACTOR SHALL SAW CUT, REMOVE AND PATCH CONCRETE FLOOR AS REQUIRED TO PERFORM WORK INDICATED. PATCH FLOOR TO MATCH ADJACENT EXISTING CONDITIONS AND NEW CONDITIONS.

DFU NOTE:

THIS PROJECT ADDS 28.5 DFU's TO THE EXISTING SANITARY WASTE SYSTEM.

SFU NOTE:

THIS PROJECT ADDS 23.85 SFU's TO THE EXISTING DOMESTIC WATER SYSTEM.

GENERAL NOTES

ALL PLUMBING VENTS WITHIN A 10'-0" RADIUS OF EXHAUST VENTS SHALL BE EXTENDED TO A HEIGHT OF 2'-0" ABOVE EXHAUST VENT CROWN.

ALL PLUMBING VENTS WITHIN A 10'-0" RADIUS OF ANY ROOF TOP UNIT SHALL BE EXTENDED TO A HEIGHT OF 3'-0" ABOVE THE FRESH AIR INTAKE.

ALL PLUMBING & PLUMBING MATERIALS SHALL MEET THE REQUIREMENTS OF THE STATE & LOCAL PLUMBING CODES.

SLOPES & INVERT ELEVATIONS OF ALL INTERIOR PIPING SHALL BE ESTABLISHED BEFORE ANY PIPING IS INSTALLED, IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED. ALL PIPING SHALL BE RUN TO AVOID CONFLICTS WITH OTHER TRADES.

COORDINATE WITH ARCHITECTURAL WORKING DRAWINGS BEFORE ROUGHING-IN PLUMBING FIXTURES.

MAKE PROPER HOT, COLD & HOT WATER RECIRC, WASTE, & VENT, & ETC., PIPING CONNECTIONS TO ALL FIXTURES & EQUIPMENT EVEN THOUGH ALL BRANCHES, FITTINGS & CONNECTIONS ARE NOT SHOWN.

COORDINATE LOCATION OF ALL EQUIPMENT, FIXTURES & PIPING WITH STRUCTURAL & ALL OTHER TRADES. PIPING RUN AC SHALL BE RUN AS HIGH AS POSSIBLE.

ALL OPENINGS IN CEILINGS & PLENUM WALLS FOR PLUMBING PIPES SHALL BE SEALED AIR TIGHT.

ALL HOT & COLD WATER PIPING INDICATED TO RUN ABOVE FINISHED CEILINGS OR IN EXTERIOR WALLS SHALL BE INSTALLED ON THE CONDITIONED SPACE SIDE OF THE BUILDING INSULATION.

SLOPES & INVERT ELEVATIONS OF EXTERIOR SEWERS, MANHOLES, ETC., SHALL BE ESTABLISHED & VERIFIED BY PLUMBING CONTRACTOR BEFORE ANY PIPING IS INSTALLED IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED & NECESSARY INVERT ELEVATIONS OBTAINED.

PROVIDE TRAP GUARDS ON ALL FLOOR DRAINS.

IT IS THE INTENTION OF THESE DRAWINGS TO COVER ALL WORK & MATERIAL FOR A COMPLETE FIRST CLASS INSTALLATION. ANY EQUIPMENT, PLUMBING FIXTURE, TRIM HARDWARE &/OR DEVICES USUALLY UTILIZED IN THE CLASS OF WORK, THOUGH NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT WHICH MAY BE NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK (AS DETERMINED BY THE ARCHITECT) SHALL BE FURNISHED & INSTALLED BY THE CONTRACTOR AS PART OF HIS TOTAL WORK.

THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH THE EXISTING CONDITIONS. NOT ALL EQUIPMENT AND APPURTENANCES ARE SHOWN. FAILURE TO FOLLOW THIS STEP SHALL NOT BE A BASIS FOR CHANGE ORDERS.

VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT, PIPING, FIXTURES, ETC.

SEAL AROUND ALL WALL PENETRATIONS AIR TIGHT AT MECHANICAL ROOM, & FILL ANY VOIDS WITH MORTAR.

INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS & ALL APPLICABLE LISTING REQUIREMENTS.

INTERDISCIPLINARY COORDINATION

IF THIS CONTRACTOR SHOULD ELECT TO PROPOSE ANY EQUIPMENT THAT HAS DIFFERENT PHYSICAL OR ELECTRICAL CHARACTERISTICS, ETC. WHEN COMPARED TO THE BASIS OF DESIGN EQUIPMENT, THIS CONTRACTOR IS RESPONSIBLE FOR COORDINATING THESE CHANGES WITH THE OTHER TRADES PRIOR TO ORDERING OF EQUIPMENT. IF THERE SHOULD BE ANY ADDITIONAL WORK INCURRED BY THE OTHER TRADES AS A RESULT OF THIS CONTRACTOR'S EQUIPMENT SELECTION, ALL COSTS ASSOCIATED WITH THE ADDITIONAL WORK SHALL BE BORNE BY THIS CONTRACTOR.

FIXTURE HW DISCHARGE TEMPERATURES

PLUMBING FIXTURE	MAXIMUM DISCHARGE TEMPERATURE	REFERENCE STANDARD
PUBLIC HAND-WASHING FACILITIES	>85°F & <110°F	ASSE 1070

NOTE: PROIVDE LISTED TEMPERING DEVICE FOR EACH FIXTURE PER TABLE.

RIGID FIBER GLASS PIPE INSULATION SCHEDULE

PIPING SYSTEM	SYSTEM TEMPERATURE RANGE (°F)	PIPING INSULATION THICKNESS		
		LESS 1"	1" TO LESS 1-1/2"	1-1/2" & MORE
DOMESTIC HW & HWR	110 - 140	1"	1"	1-1/2"
DOMESTIC CW	48 - 80	1/2"	1/2"	1"

NOTE: PROIVDE CORRUGATED OR SMOOTH ALUMINUM JACKET FOR ALL INSULATED PIPES 0'-0" TO 6'-0" ABOVE FINISHED FLOORS & MEZZANINES FOR INSULATION PROTECTION. ALL SERVICE JACKET SHALL BE WHITE KRAFT BONDED TO 0.025mm (1 MIL) THICK ALUMINUM FOIL, FIBERGLASS REINFORCED, WITH PRESSURE SENSITIVE ADHESIVE CLOSURE. COMPLY WITH ASTM C1136. PROVIDE PREFORMED MOISTURE BARRIER JACKETS OVER FITTINGS AND VALVES.

LEGENDS & ABBREVIATIONS

—————	EXISTING PIPING TO REMAIN	AC	ABOVE CEILING
---X---X---X---	EXISTING PIPING TO BE REMOVED	ADA	AMERICANS WITH DISABILITIES ACT COMPLIANT
—————	DOMESTIC COLD WATER (CW)	ASSE	AMERICAN SOCIETY OF SANITARY ENGINEERING
—————	DOMESTIC HOT WATER (HW)	BFF	BELOW FINISH FLOOR
—————	DOMESTIC HOT WATER RETURN (HWR)	BTU	BRITISH THERMAL UNIT
—————	SANITARY WASTE PIPE (WP)	DFU	DRAINAGE FIXTURE UNIT
-----	SANITARY VENT PIPE (VP)	ETR	EXISTING TO REMAIN
○	PIPE TURN UP	EX	EXISTING
⦿	PIPE TURN DOWN (DN)	MAX	MAXIMUM
+	HOSE BIBB (HB)	P-#	PLUMBING FIXTURE MARK
⌋	WALL CLEAN OUT (WCO)	SFU	SUPPLY FIXTURE UNIT
⌋	BALL VALVE (BV)	TYP	TYPICAL
⊙	FLOOR CLEAN OUT (FCO)	W/	WITH
⊙	FLOOR DRAIN (FD)	WHA 'X'	WATER HAMMER ARRESTOR 'SIZE'
⌋	WATER HAMMER ARRESTER W/ 'SIZE'		
⦿	LIMIT OF DEMOLITION WORK		
⦿	NEW POINT OF CONNECTION		
⦿	DEMOLITION NOTE DESIGNATION		
⦿	NEW WORK NOTE DESIGNATION		
⦿	DETAIL/RISER/ENLARGED PLAN		
⦿	SHEET WHERE SHOWN/CUT		

RECORD
DRAWINGS
2023.11.30

INTERIOR RENOVATIONS
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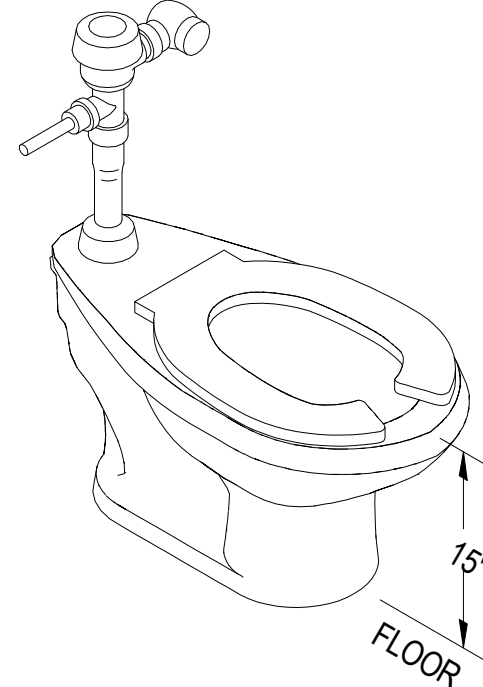
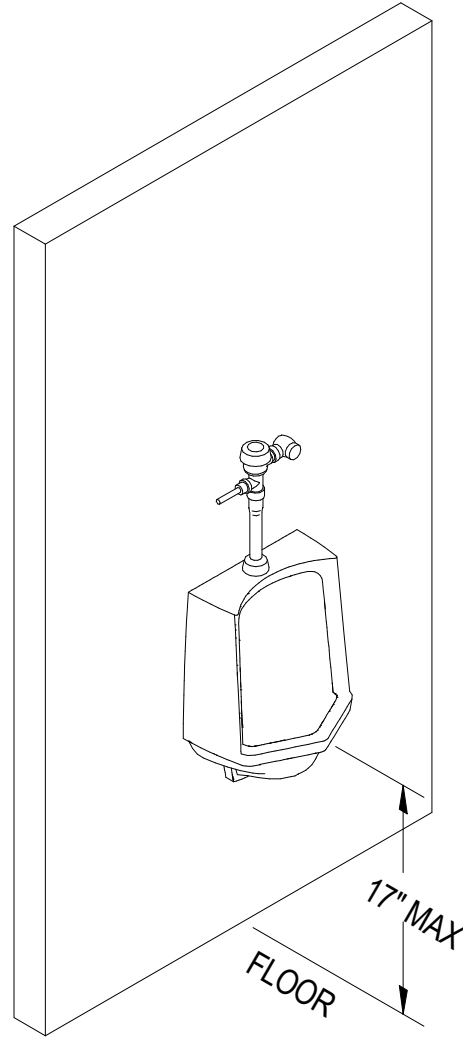
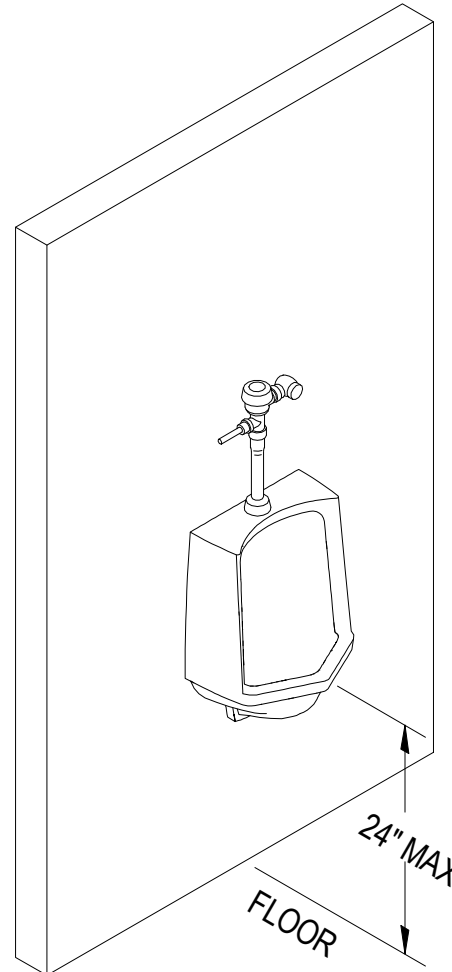
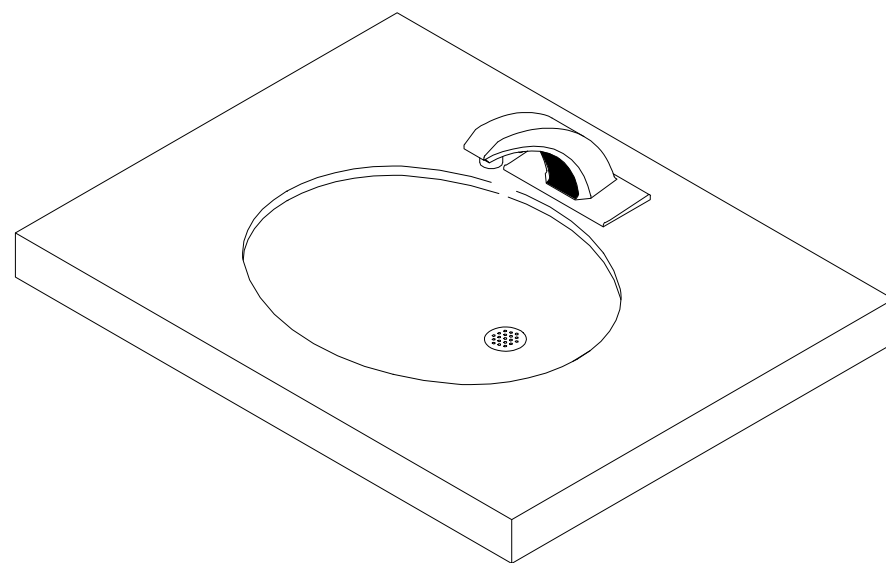
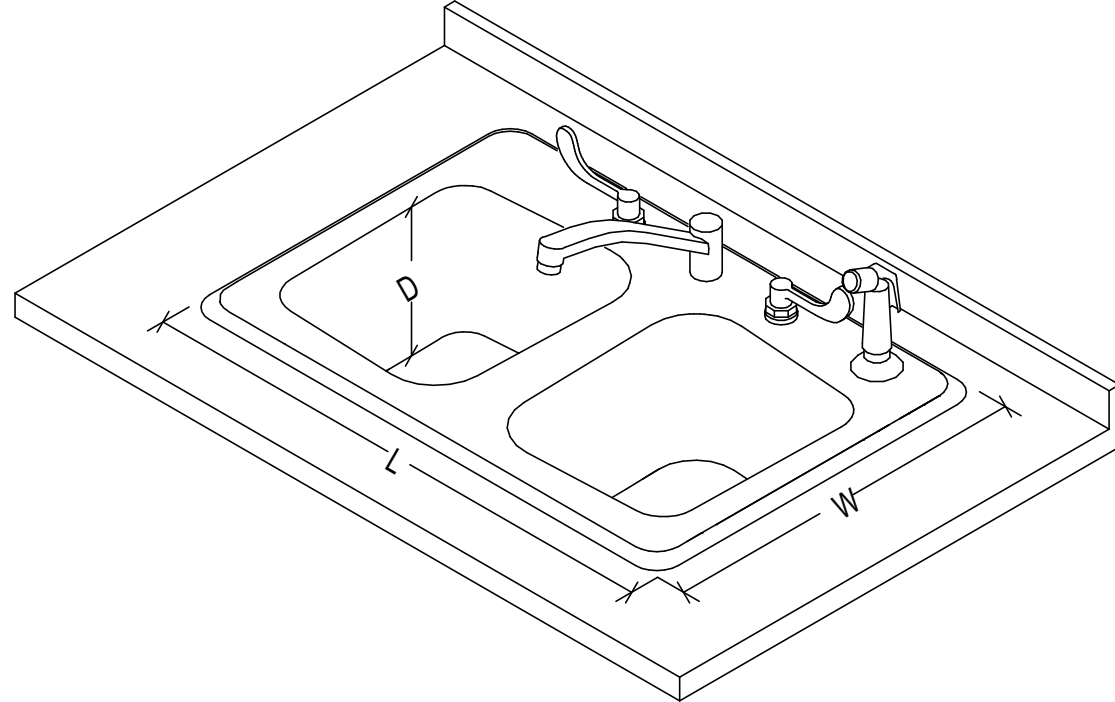


21374

CHA PROJECT	21293
ISSUE DATE	11/10/2022
REVISION NO.	DATE

LEGEND, NOTES AND
ABBREVIATIONS

P001

																							
<p><u>SPECIFICATIONS:</u></p> <ol style="list-style-type: none">VITREOUS CHINA ADA COMPLIANT FLOOR MOUNTED FLUSH VALVE WATER CLOSET WITH FULLY GLAZED 2-1/8" TRAPWAY, ELONGATED SIPHON JET BOWL, 1.28 GALLONS PER FLUSH. FLUSH HANDLE LOCATED ON WIDE SIDE OF STALL.CHROME PLATED CAST BRASS EXPOSED ADA COMPLIANT FLUSH VALVE WITH ADJUSTABLE TAILPIECE, SCREWDRIVER ANGLE STOP, VANDAL RESISTANT STOP CAP, & NON HOLD OPEN HANDLE. MATERIALS SHALL BE CHLORAMINE RESISTANT. AS MANUFACTURED BY SLOAN.WHITE SOLID PLASTIC OPEN FRONT ELONGATED SEAT WITH EXTERNAL CHECK HINGES, INTEGRAL BUMPERS, LESS COVER. <p>DETAIL BASED ON AMERICAN STANDARD, "MADERA" SERIES</p>								<p><u>SPECIFICATIONS:</u></p> <ol style="list-style-type: none">VITREOUS CHINA FLOOR MOUNTED FLUSH VALVE WATER CLOSET WITH FULLY GLAZED 2-1/8" TRAPWAY, ELONGATED SIPHON JET BOWL, 1.28 GALLONS PER FLUSH. FLUSH HANDLE LOCATED ON WIDE SIDE OF STALL.CHROME PLATED CAST BRASS EXPOSED FLUSH VALVE WITH ADJUSTABLE TAILPIECE, SCREWDRIVER ANGLE STOP, VANDAL RESISTANT STOP CAP, AND NON HOLD OPEN HANDLE. MATERIALS SHALL BE CHLORAMINE RESISTANT. AS MANUFACTURED BY SLOAN.WHITE SOLID PLASTIC OPEN FRONT ELONGATED SEAT WITH EXTERNAL CHECK HINGES, INTEGRAL BUMPERS, LESS COVER. <p>DETAIL BASED ON AMERICAN STANDARD, "MADERA" SERIES</p>								<p><u>SPECIFICATIONS:</u></p> <ol style="list-style-type: none">VITREOUS CHINA ADA COMPLIANT WALL MOUNTED FLUSH VALVE URINAL WITH FULLY GLAZED 2" TRAPWAY, 0.125 GALLON PER FLUSH.CHROME PLATED CAST BRASS EXPOSED ADA COMPLIANT FLUSH VALVE WITH ADJUSTABLE TAILPIECE, SCREWDRIVER ANGLE STOP, VANDAL RESISTANT STOP CAP, AND NON HOLD OPEN HANDLE. MATERIALS SHALL BE CHLORAMINE RESISTANT. AS MANUFACTURED BY SLOAN.CONCEALED FLOOR MOUNT SUPPORT. WALL BRACKETS SHALL NOT BE USED. <p>DETAIL BASED ON AMERICAN STANDARD, "WASHBROOK" SERIES</p>							
MARK	DESCRIPTION	TRAP	PIPE SIZES				MOUNTING	MARK	DESCRIPTION	TRAP	PIPE SIZES				MOUNTING	MARK	DESCRIPTION	TRAP	PIPE SIZES				MOUNTING
P-1	ADA - FLUSH VALVE WATER CLOSET	INTEGRAL	-	1"	4"	2"	FLOOR	P-2	FLUSH VALVE WATER CLOSET	INTEGRAL	-	1"	4"	2"	FLOOR	P-3	ADA - FLUSH VALVE URINAL	INTEGRAL	-	3/4"	2"	1-1/2"	WALL
ADA - WATER CLOSET								WATER CLOSET								ADA - URINAL							
																							
<p><u>SPECIFICATIONS:</u></p> <ol style="list-style-type: none">VITREOUS CHINA WALL MOUNTED FLUSH VALVE URINAL WITH FULLY GLAZED 2" TRAPWAY, 0.125 GALLON PER FLUSH.CHROME PLATED CAST BRASS EXPOSED FLUSH VALVE WITH ADJUSTABLE TAILPIECE, SCREWDRIVER ANGLE STOP, VANDAL RESISTANT STOP CAP, AND NON HOLD OPEN HANDLE. MATERIALS SHALL BE CHLORAMINE RESISTANT. AS MANUFACTURED BY SLOAN.CONCEALED FLOOR MOUNT SUPPORT. WALL BRACKETS SHALL NOT BE USED. <p>DETAIL BASED ON AMERICAN STANDARD, "WASHBROOK" SERIES</p>								<p><u>SPECIFICATIONS:</u></p> <ol style="list-style-type: none">VITREOUS CHINA ADA COMPLIANT UNDER MOUNT LAVATORY WITH FRONT OVERFLOW.CHROME PLATED SOLID BRASS HARD WIRED ELECTRONIC FAUCET WITH PROXIMITY OPERATION SENSORS, POLISH CHROME PLATED FINISH, CERAMIC VALVE, 0.5 GPM VANDAL RESISTANT AERATOR, INTEGRATED STRAINER TO PROTECT SOLENOID VALVE & AERATOR, LESS POP-UP. SLOAN MODEL ETF-80, POLISHED CHROME, WITH BELOW DECK THERMOSTATIC MIXING VALVE SET AT 110°F MAX (ASSE 1070) & TRANSFORMER.CHROME FINISH CAST BRASS LOOSE KEY ANGLE STOPS WITH CHROME FINISH RIGID SUPPLY RISERS. OFFSET GRID STRAINER & ADJUSTABLE "P"-TRAP WITH ANSI & ADA APPROVED, VINYL MOLDED INSULATION WITH NYLON FASTENER KITS, PAINTED AS DIRECTED BY THE ARCHITECT. <p>DETAIL BASED ON AMERICAN STANDARD, "OVALYN" SERIES UNDERMOUNT LAVATORY</p>								<p><u>SPECIFICATIONS:</u></p> <ol style="list-style-type: none">SEAMLESS DIE DRAWN 18 GAUGE STAINLESS STEEL ADA COMPLIANT SINK WITH EXPOSED SURFACE POLISHED TO A NON-POROUS FINISH. FULLY COATED UNDERSIDE INSULATED FOR SOUND AND CONDENSATE.8" CENTER, TWO HANDLE BELOW DECKMOUNT FAUCET, POLISHED CHROME PLATED FINISH TRIM, CAST BRASS BODIES, BRASS SPOUT AND TRIM, WALL FORM SWING SPOUT, STANDARD 2.2 GPM FLOW CONTROL AERATOR, 4" BLADE HANDLES, COLOR INDEX METAL HANDLES WITH VANDAL RESISTANT SCREWS AND WITH HOSE SPRAY, AS MANUFACTURED BY DELTA. PROVIDE BELOW DECK THERMOSTATIC MIXING VALVE SET AT 110°F MAX (ASSE 1070/ASME A112.1070)CHROME FINISH CAST BRASS LOOSE KEY ANGLE STOPS WITH CHROME FINISH RIGID SUPPLY RISERS. OFFSET GRID STRAINER AND ADJUSTABLE "P"-TRAP WITH ANSI AND ADA APPROVED, VINYL MOLDED INSULATION WITH NYLON FASTENER KITS, PAINTED AS DIRECTED BY THE ARCHITECT. <p>DETAIL BASED ON JUST, "STYLIST" GROUP</p>							
MARK	DESCRIPTION	TRAP	PIPE SIZES				MOUNTING	MARK	DESCRIPTION	TRAP	PIPE SIZES				MOUNTING	MARK	DESCRIPTION	TRAP	PIPE SIZES				MOUNTING
P-4	FLUSH VALVE URINAL	INTEGRAL	-	3/4"	2"	1-1/2"	WALL	P-5	ADA - UNDERMOUNT LAVATORY	"P"-TRAP	1/2"	1/2"	2"	1-1/2"	UNDER MOUNT	P-6	ADA - KITCHEN SINK (2 COMPARTMENT) 19" x 33"	"P"-TRAP	1/2"	1/2"	2"	1-1/2"	COUNTER TOP
URINAL								ADA - UNDERMOUNT LAVATORY								ADA - KITCHEN SINK COUNTER TOP							

GAS WATER HEATER SCHEDULE

TAG	TYPE	LOCATION	STORAGE (GAL)	RECOVERY (GPH)		INPUT (BTUH)	GAS INLET PRESSURE (IN. W.C.)	VENT SIZE EXHAUST	EXPANSION TANK		MOUNTING	REMARKS
				80°F	100°F				TOTAL VOLUME	ACCEPTANCE VOLUME		
WH-1	TANK TYPE	MECHANICAL ROOM	30	173	138	33,000	14"	3"	2.0	1.9	STAND	SEE NOTES

NOTES:

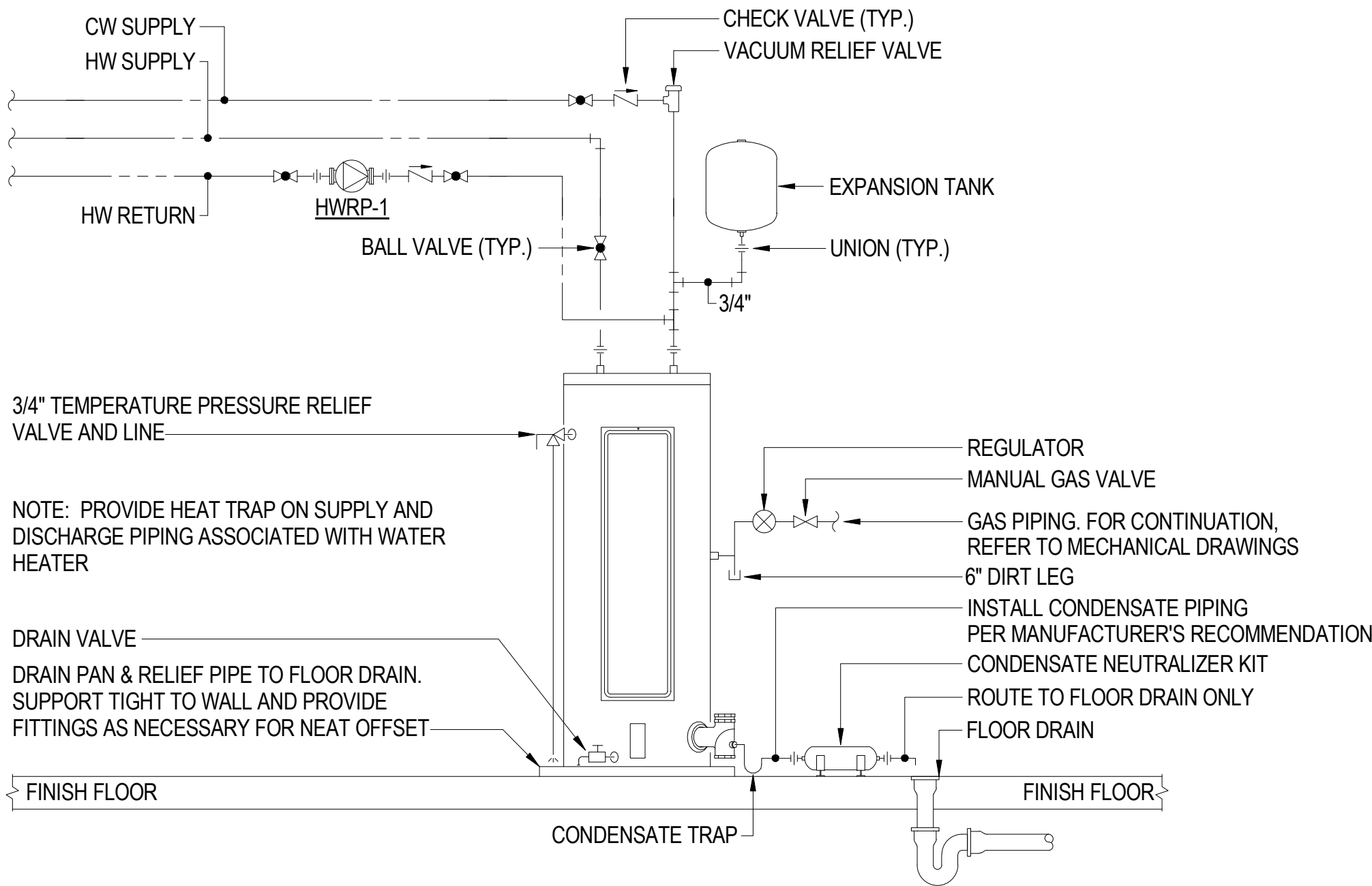
- ALL WATER HEATERS WITH AN INPUT OF 200,000 BTUH OR STORAGE VOLUME OF 120 GALLONS OR LARGER SHALL BEAR ASME STAMP.
- PROVIDE WITH MANUFACTURER'S CONDENSATE NEUTRALIZATION AND CONCENTRIC VENT KITS.
- INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE WITH DRIP PAN AND DRAIN TO FLOOR DRAIN.
- REFER TO MECHANICAL DRAWINGS FOR VENTING & GAS PIPING ROUTING. EXHAUST VENTING SHALL BE CPVC.
- ELECTRICAL CHARACTERISTICS: (120V, 60HZ, 15 AMPS)

DOMESTIC HOT WATER RECIRCULATING PUMP SCHEDULE

TAG	TYPE	GPM	HEAD	LOCATION	HP	VOLTS	PHASE	MANUFACTURER	MODEL	REMARKS
HWRP-1	INLINE CIRCULATOR	1	24	MECHANICAL ROOM	1/3	120	1	BELL & GOSSETT	E-60	SEE NOTES

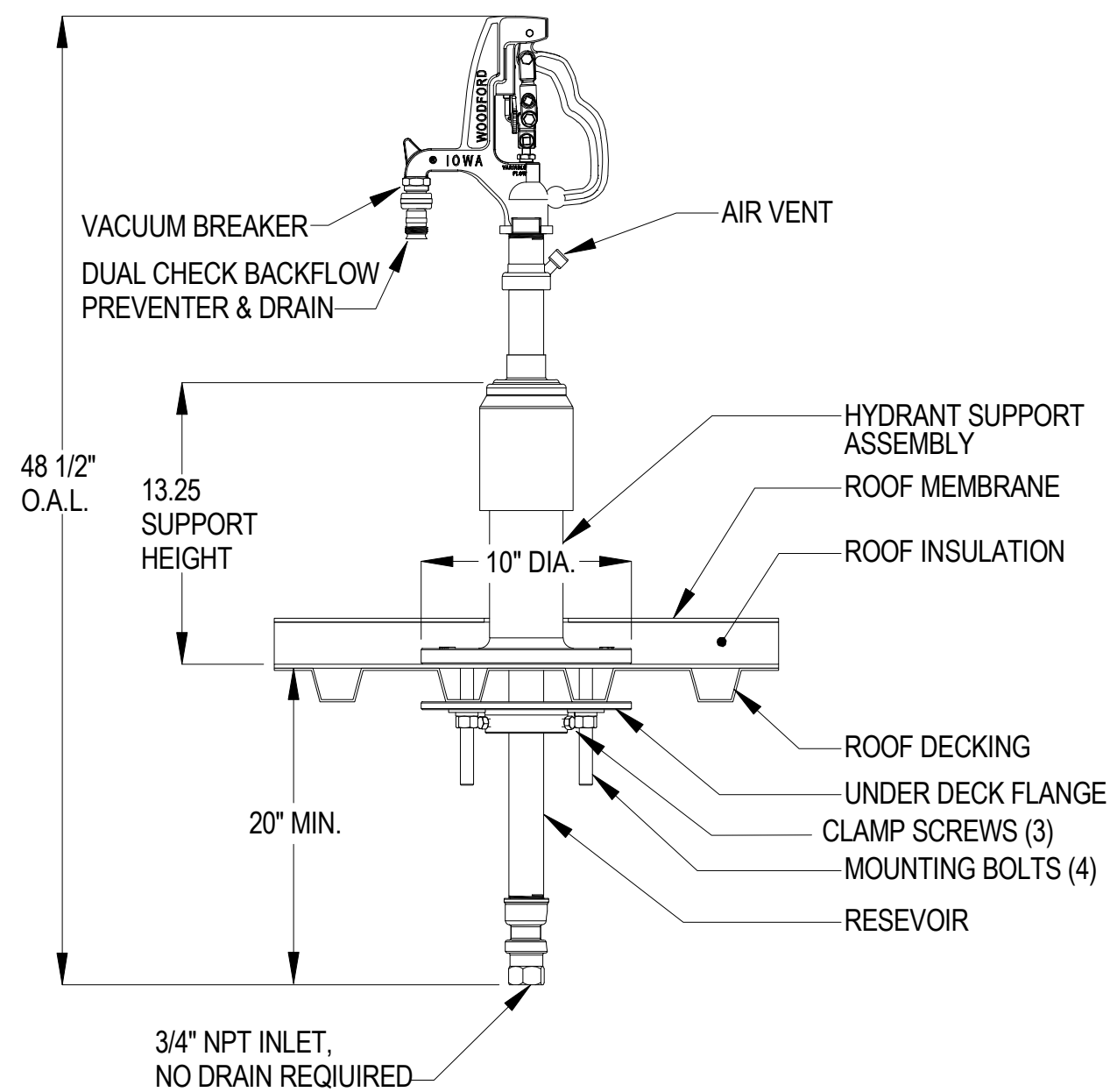
NOTES:

- INSTALL PER MANUFACTURER'S RECOMMENDATIONS
- DOMESTIC HOT WATER CIRCULATION PUMPS SHALL BE CONTROLLED WITH AN AQUASTAT. PUMP SHALL BE ENERGIZED IF TEMPERATURE FALLS 10°F BELOW WATER HEATER SETPOINT. PUMP SHALL BE DE-ENERGIZED IF TEMPERATURE EXCEEDS 5°F BELOW WATER HEATER SETPOINT. PROVIDE 7-DAY PROGRAMMABLE TIME CLOCK TO TURN PUMP OFF DURING NON OCCUPIED HOURS AND ON DURING OCCUPIED HOURS.



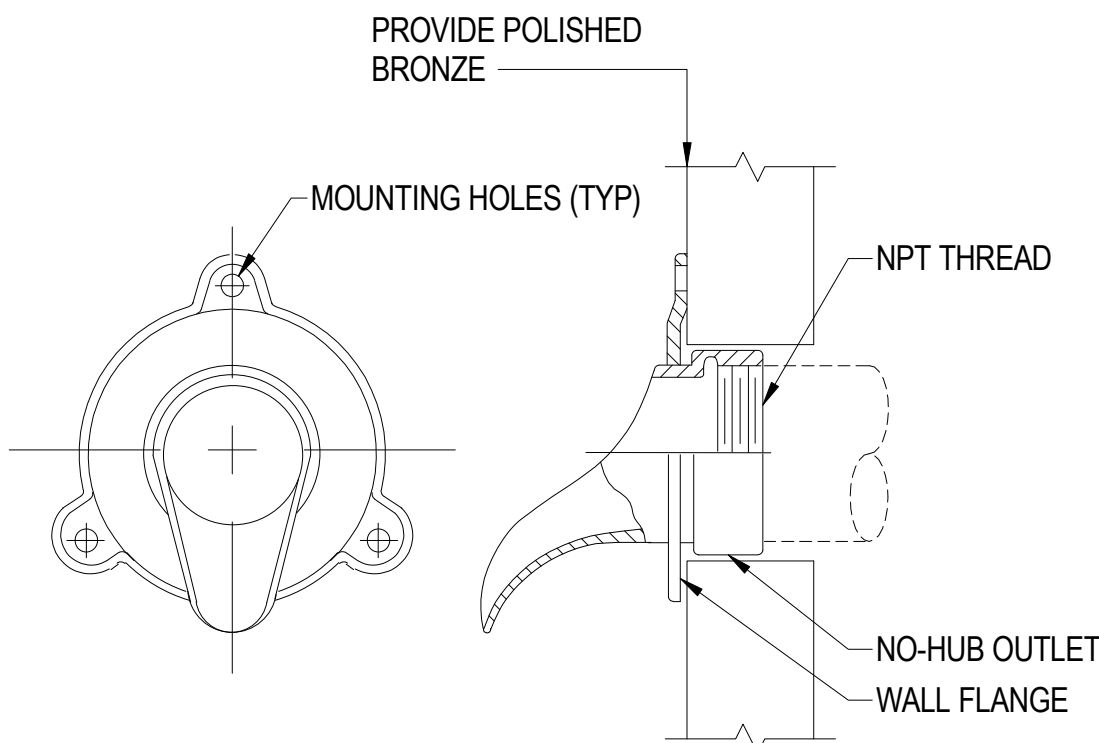
GAS WATER HEATER DETAIL

NO SCALE



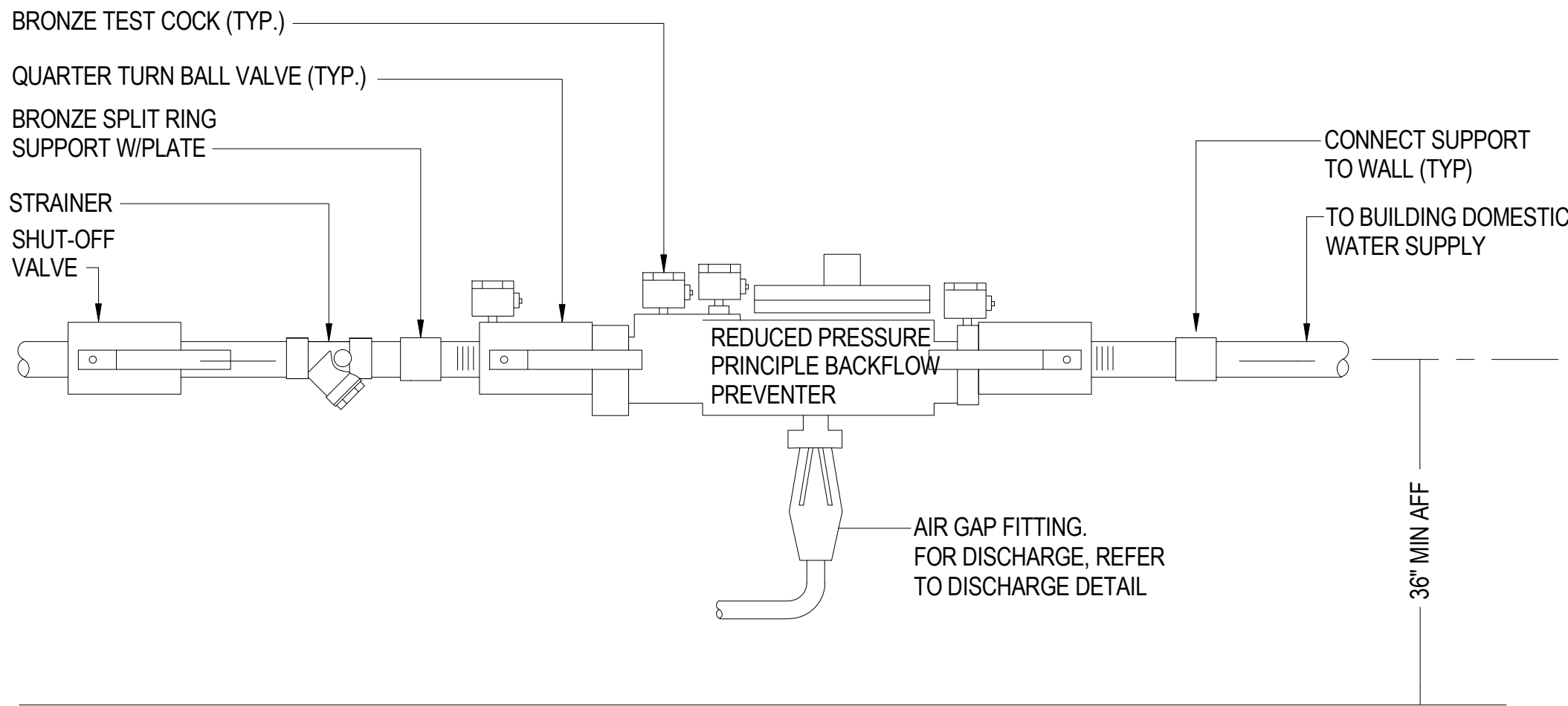
FREEZELESS ROOF HYDRANT DETAIL

NO SCALE



DOWNSPOUT NOZZLE DETAIL

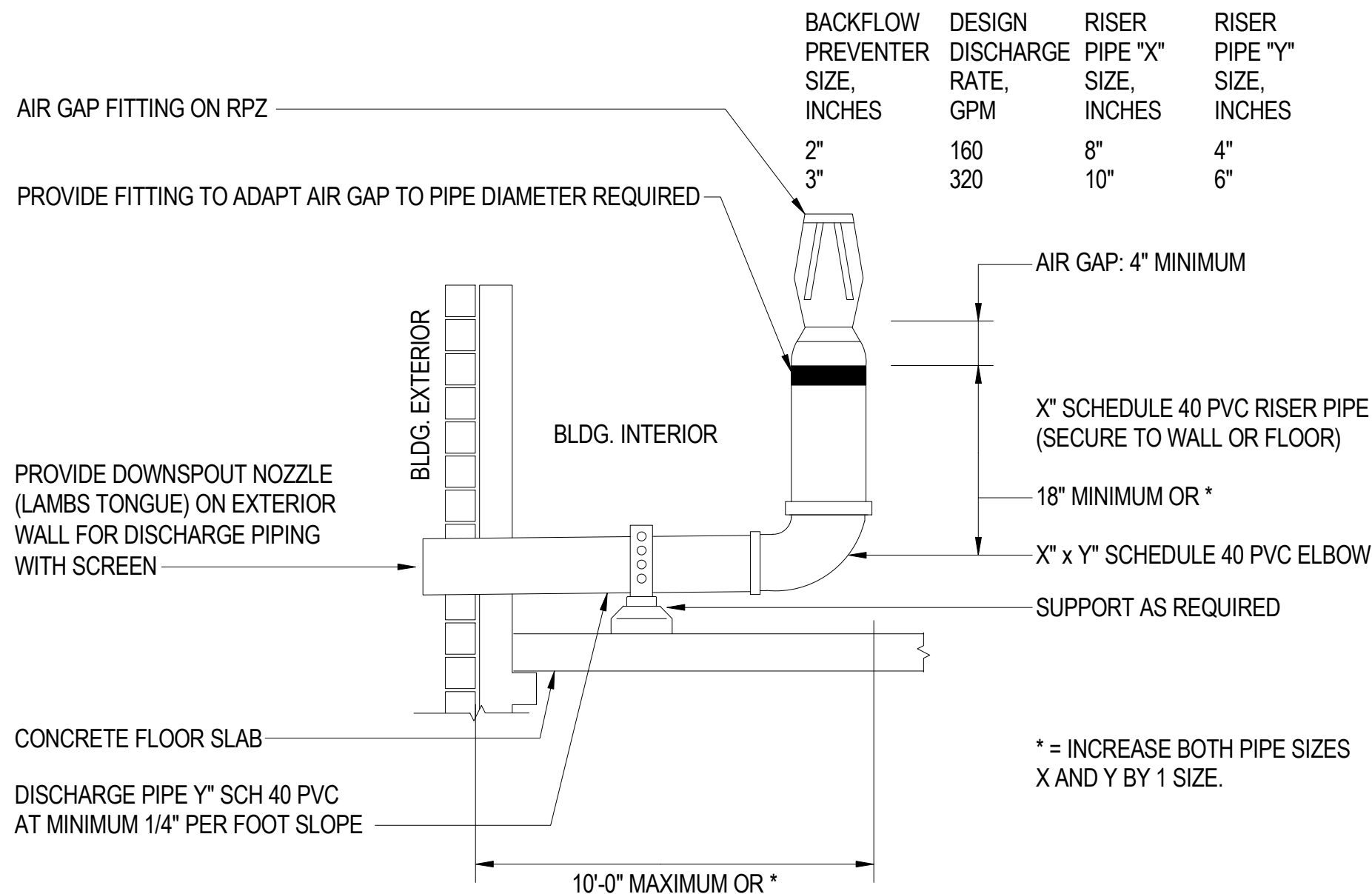
NO SCALE



NOTE:
NO DEVICES OR BRANCH LINES, ETC. SHALL BE INSTALLED BETWEEN BACKFLOW PREVENTER ASSEMBLY AND THE MAIN WATER LINE. PROVIDE ISOLATION VALVE AND STRAINER.

REDUCED PRESSURE BACKFLOW PREVENTER INSTALLATION DETAIL

NO SCALE



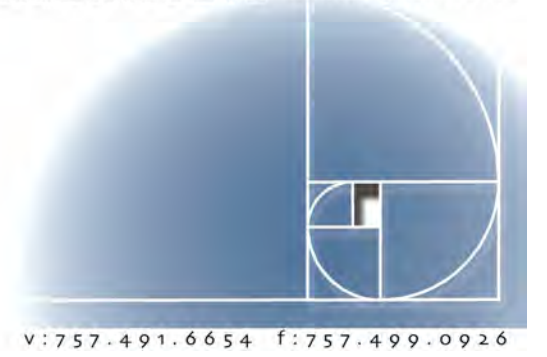
BACKFLOW PREVENTER DISCHARGE PIPING DETAIL

NO SCALE

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2023.11.30

INTERIOR RENOVATIONS
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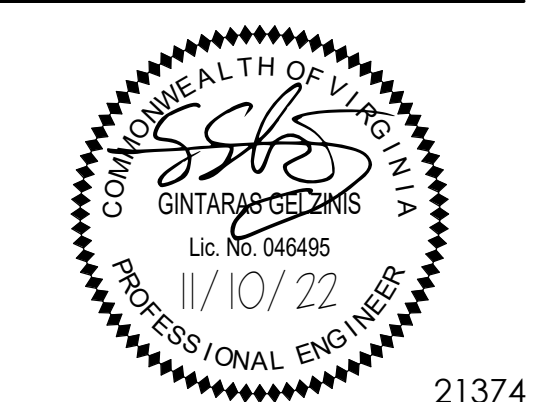
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21293
11/10/2022
DATE

SCHEDULES AND DETAILS

P003

USO FORT BENNING - BLDG 109
INTERIOR RENOVATIONS
FORT BENNING, GA



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ISSUE DATE	11/10/2022
<u>REVISION NO.</u>	<u>DATE</u>

DEMOLITION FLOOR PLAN

PD101

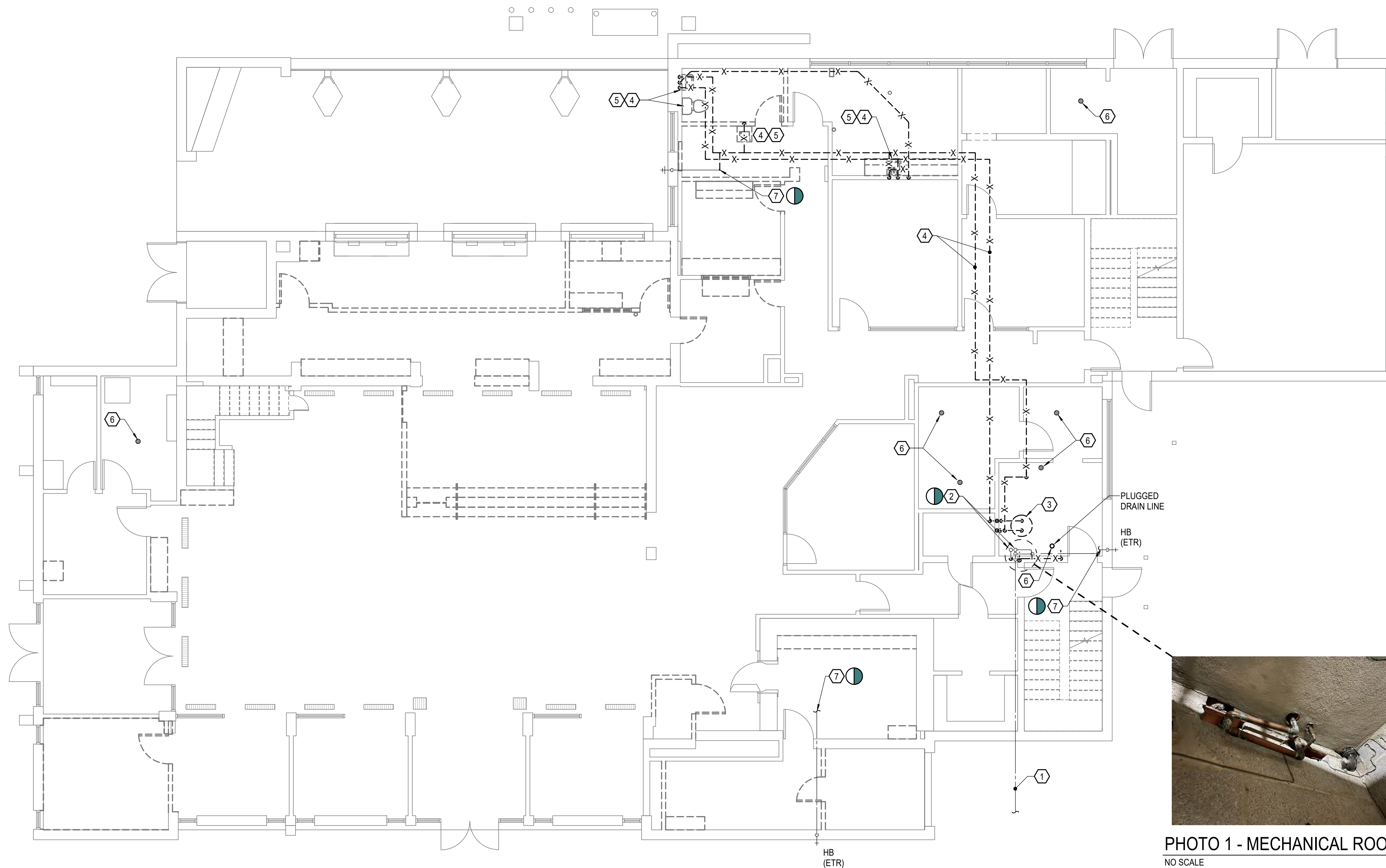
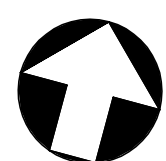


PHOTO 1 - MECHANICAL ROOM

NO SCALE



DEMOLITION FLOOR PLAN

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

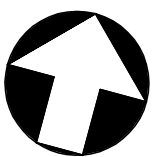
NOTES THIS SHEET

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1 SITE PLAN FROM 1999 SHOWS 2" INCOMING DOMESTIC COLD WATER LINE AT THIS APPROXIMATE LOCATION. EXISTING LINE WAS NOT LOCATED DURING FIELD WORK. CONTRACTOR MUST LOCATE EXISTING INCOMING WATER LINE AND ITS SIZE PRIOR TO STARTING WORK.</p> <p>2 EXISTING PIPING DOWN FROM 2ND FLOOR TO REMAIN. CUT PIPING JUST BELOW 1ST FLOOR CEILING AND RETAIN FOR RECONNECTION. PLUMBING CONTRACTOR MUST FIELD VERIFY EXACT ROUTING OF CW/HW PIPING TO 2ND FLOOR PRIOR TO CUTTING AND RECONNECTING PIPE.</p> <p>3 REMOVE EXISTING WATER HEATER AND SHUT-OFF VALVES COMPLETE. REMOVE EXISTING 3" FLUE PIPING BACK TO MAIN TRUNK LINE. RETAIN MAIN TRUNK FOR RE-CONNECTION OF NEW WATER HEATER (WH-1). SEE RECONNECTION POINT PHOTO 2 FOR CONNECTION POINT.</p> <p>4 REMOVE PLUMBING FIXTURE, WATER SUPPLIES, HANGERS, P-TRAP AND ALL APPURTENANCES COMPLETE ON 1ST FLOOR. REMOVE CW/HW PIPING BACK TO WATER HEATER IN MECHANICAL ROOM. RETAIN EXISTING 2ND FLOOR CW/HW SUPPLIES FOR RECONNECTION.</p> <p>5 REMOVE WASTE PIPING TO BELOW SLAB AND CAP WITHIN 1' OF MAIN BRANCH. RETAIN EXISTING 2ND FLOOR WASTE PIPING CONNECTION. REMOVE VENT PIPING IN 1ST FLOOR CEILING BACK TO EXISTING VENT PIPING GOING UP TO VENT THROUGH ROOF. RETAIN EXISTING VTR FOR REUSE. EXISTING SECOND FLOOR VENT PIPING MUST REMAIN.</p> | <p>6 EXISTING MECHANICAL ROOM FLOOR DRAINS APPEARED TO BE CLOGGED WITH DEBRIS DURING SITE VISIT. PLUMBING CONTRACTOR MUST SCOPE AND SCAN SANITARY PIPING PRIOR TO STARTING WORK. SEE SANITARY SEWER LINE SCOPING NOTE ON SHEET P001.</p> <p>7 EXISTING CW PIPING TO HOSE BIBBS TO REMAIN. PLUMBING CONTRACTOR MUST LOCATE PIPING DURING DEMOLITION. CUT PIPING, PROVIDE BALL-VALVE AND PREPARE FOR RECONNECTION. LOCATE BALL VALVE AT ACCESSIBLE LOCATION OR PROVIDE ACCESS PANEL.</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

GRAPHIC SCALE:



11/19/2022 4:42:19 PM



DEMOLITION ROOF PLAN

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

NOTES THIS SHEET

1. EXISTING VTR'S TO REMAIN FOR REUSE. PLUMBING CONTRACTOR TO LOCATE ROUTING OF VENT LINES DURING DEMOLITION AND INSPECT FOR CRACKS. REPAIR ANY DAMAGED VENTS AS NEEDED.



GRAPHIC SCALE:



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2023.11.30

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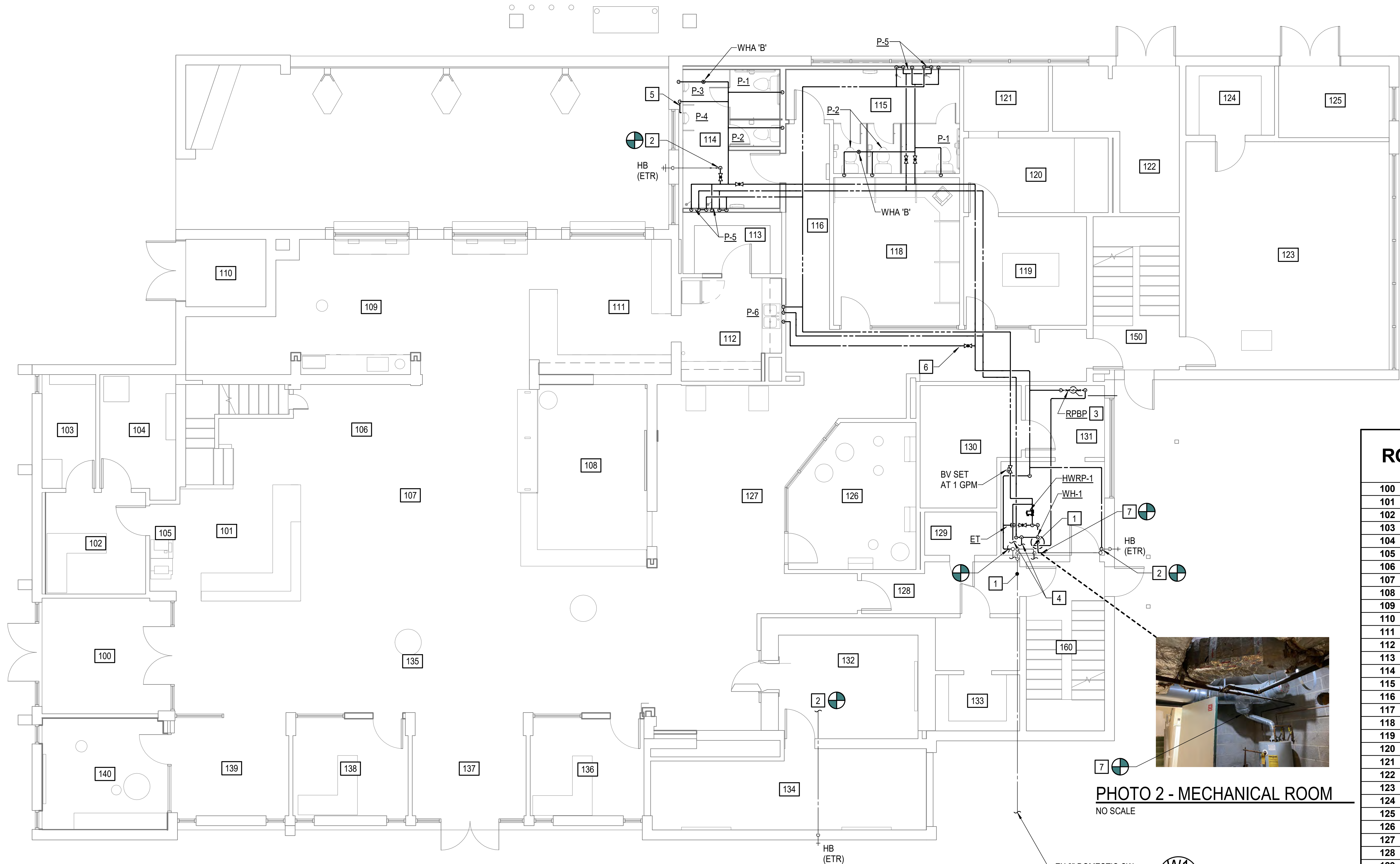


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DEMOLITION ROOF PLAN

PD102



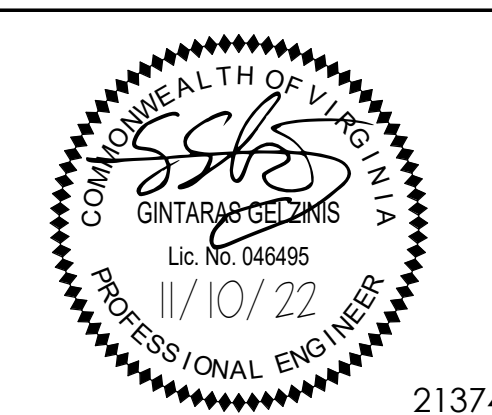
ROOM SCHEDULE

100	VESTIBULE
101	RECEPTION
102	OFFICE
103	STORAGE
104	UTILITY
105	STAIRS
106	HOSPITALITY
107	CAFE SEATING
108	RAISED LOUNGE
109	CAFE SEATING
110	MECHANICAL
111	CAFE
112	KITCHEN
113	STORAGE
114	MEN'S RR
115	WOMEN'S RR
116	CORRIDOR
117	CORRIDOR
118	COMPUTER CAFE
119	CONFERENCE ROOM
120	ELECT./IT ROOM
121	IT ROOM
122	MECHANICAL
123	MULTI-PURPOSE ROOM
124	STORAGE
125	MECH/ELECT
126	ARCADE LOUNGE
127	BILLIARDS
128	CORRIDOR
129	JANITOR
130	MECH/ELECT
131	STORAGE
132	GAMING LOUNGE
133	STORAGE
134	GAMING VAULT
135	LOUNGE
136	OFFICE
137	VESTIBULE
138	OFFICE
139	LOUNGE
140	KID'S AREA
150	STAIR
160	STAIR

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GRAPHIC SCALE:



NEW WORK FLOOR PLAN -
WATER

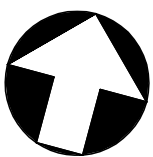
P101

NEW WORK FLOOR PLAN - WATER
SCALE: 3/16" = 1'-0"

NOTES THIS SHEET

- 1 APPROXIMATE LOCATION OF EXISTING 2" INCOMING DOMESTIC WATER. PLUMBING CONTRACTOR MUST FIELD VERIFY EXACT LOCATION PRIOR TO STARTING WORK.
- 2 PLUMBING CONTRACTOR MUST FIELD VERIFY EXACT ROUTING OF CW PIPING TO EXISTING HOSE BIBB. RETAIN EXISTING HOSE BIBBS AND CONNECT TO NEW PIPING WITH BALL VALVE ABOVE CEILING, AT ACCESSIBLE LOCATION.
- 3 EXTEND EXISTING 2" INCOMING DOMESTIC WATER LINE TO NEW RPBP LOCATION. EXTEND DRAIN LINE TO EXTERIOR, PROVIDE DOWNSPOUT NOZZLE WITH INSECT SCREEN.
- 4 EXTEND NEW 3/4" HOT WATER LINE TO HOT WATER FOR 2ND FLOOR. EXTEND 3/4" HOT WATER RETURN PIPING FROM 2ND FLOOR HOT WATER CONNECTION BACK TO RECIRC PIPING.
- 5 EXTEND 3/4" CW PIPING IN WALL, BELOW WINDOW TO P-4 FIXTURE.
- 6 PROVIDE 3/4" CW PIPING UP TO ROOF HYDRANT. SEE SHEET P1-2 FOR CONTINUATION.
- 7 EXTEND NEW 3" FLUE PIPING FROM WH-1 AND CONNECT TO EXISTING FLUE IN MECHANICAL ROOM. SEE PHOTO 2 THIS SHEET FOR CONNECTION POINT.

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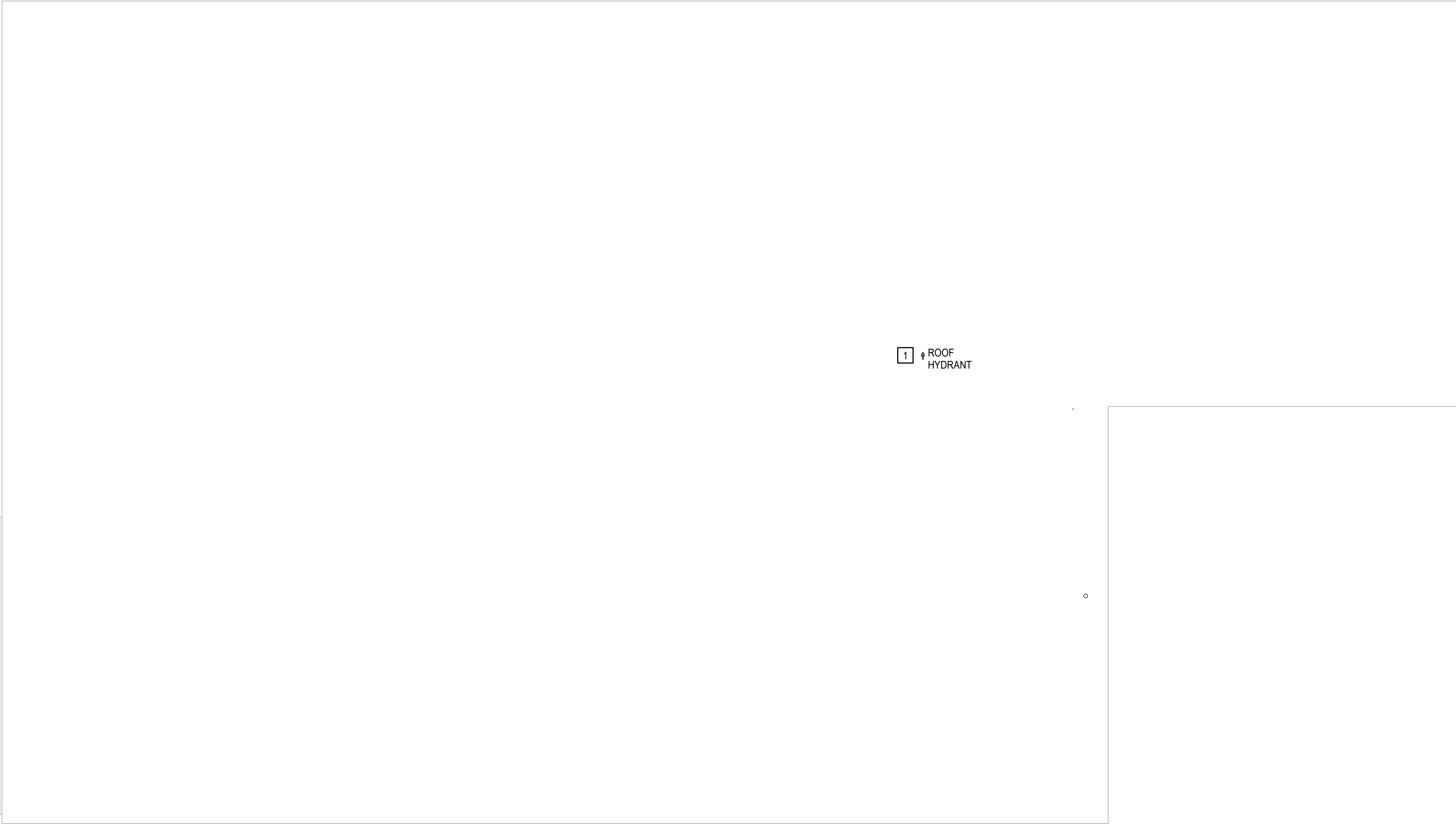


NEW WORK ROOF PLAN - WATER

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

NOTES THIS SHEET

1 COORDINATE EXACT LOCATION WITH EQUIPMENT AND OTHER DISCIPLINES.



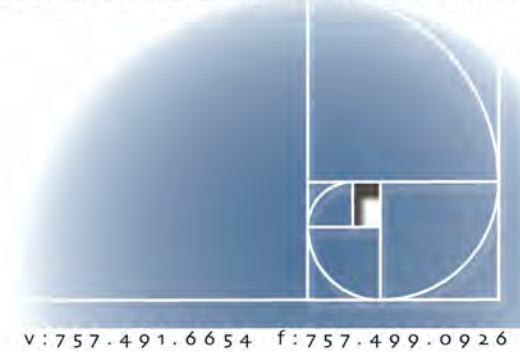
GRAPHIC SCALE:



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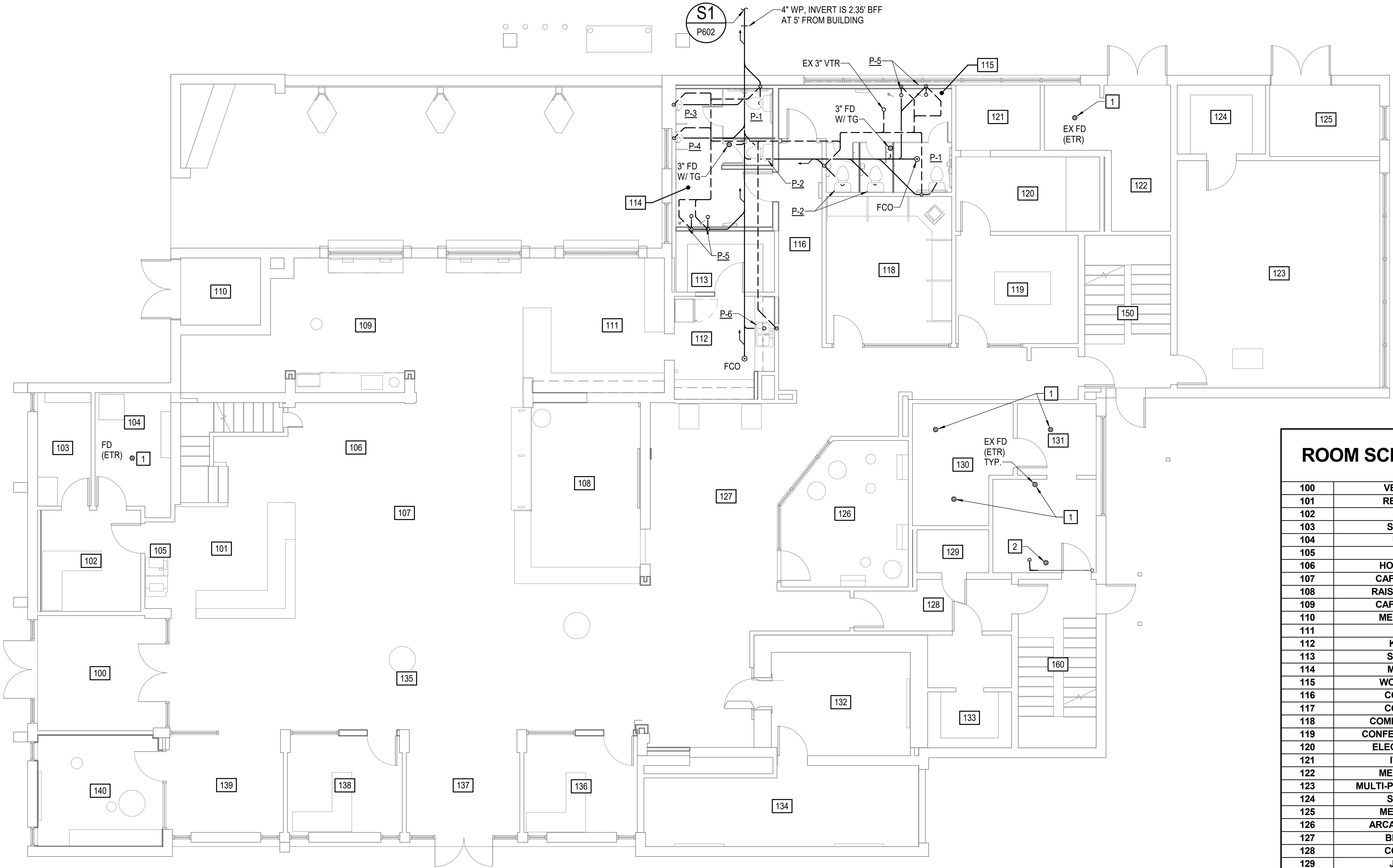
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NEW WORK ROOF PLAN -
WATER

P102



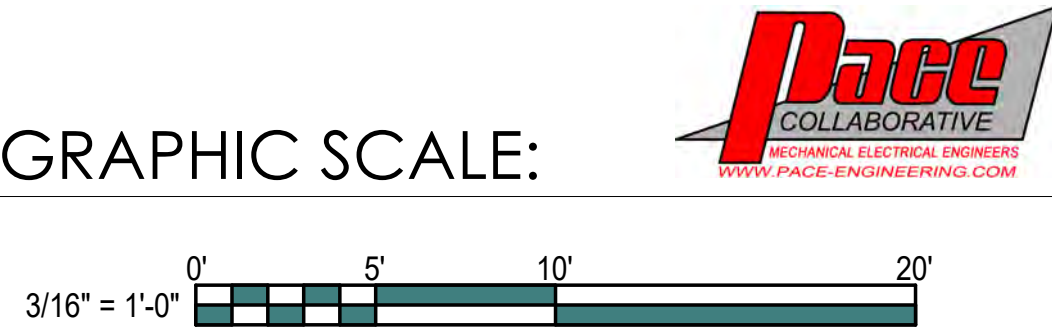
ROOM SCHEDULE	
100	VESTIBULE
101	RECEPTION
102	OFFICE
103	STORAGE
104	UTILITY
105	STAIRS
106	HOSPITALITY
107	CAFE SEATING
108	RAISED LOUNGE
109	CAFE SEATING
110	MECHANICAL
111	CAFE
112	KITCHEN
113	STORAGE
114	MEN'S RR
115	WOMEN'S RR
116	CORRIDOR
117	CORRIDOR
118	COMPUTER CAFE
119	CONFERENCE ROOM
120	ELECT./IT ROOM
121	IT ROOM
122	MECHANICAL
123	MULTI-PURPOSE ROOM
124	STORAGE
125	MECH/ELECT
126	ARCADE LOUNGE
127	BILLIARDS
128	CORRIDOR
129	JANITOR
130	MECH/ELECT
131	STORAGE
132	GAMING LOUNGE
133	STORAGE
134	GAMING VAULT
135	LOUNGE
136	OFFICE
137	VESTIBULE
138	OFFICE
139	LOUNGE
140	KID'S AREA
150	STAIR
160	STAIR

 **NEW WORK FLOOR PLAN - SANITARY**
SCALE: 3/16" = 1'-0"

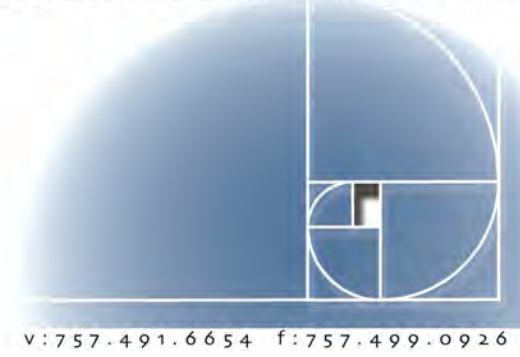
NOTES THIS SHEET

1 REPLACE FLOOR DRAIN GRATE WITH NEW GRATE AND PROVIDE TRAP GUARD FOR ALL EXISTING FLOOR DRAINS TO REMAIN.

2 REMOVE PLUG AND PROVIDE FLOOR DRAIN AT EXISTING DRAIN CONNECTION FOR WATER HEATER DRAIN LINE. SAW CUT SLAB AS NEEDED FOR FLOOR DRAIN CONNECTION.



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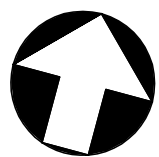
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NEW WORK FLOOR PLAN -
SANITARY

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NEW WORK ROOF PLAN - SANITARY

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

NOTES THIS SHEET

- 1 PLUMBING CONTRACTOR MUST CONNECT TO EXISTING VTR VENT PIPES FOR NEW VENT PIPING. ROUTING OF PIPING MUST BE LOCATED DURING DEMOLITION PHASE.



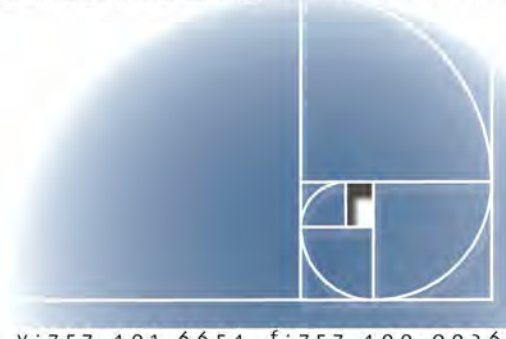
GRAPHIC SCALE:



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INTERIOR RENOVATIONS
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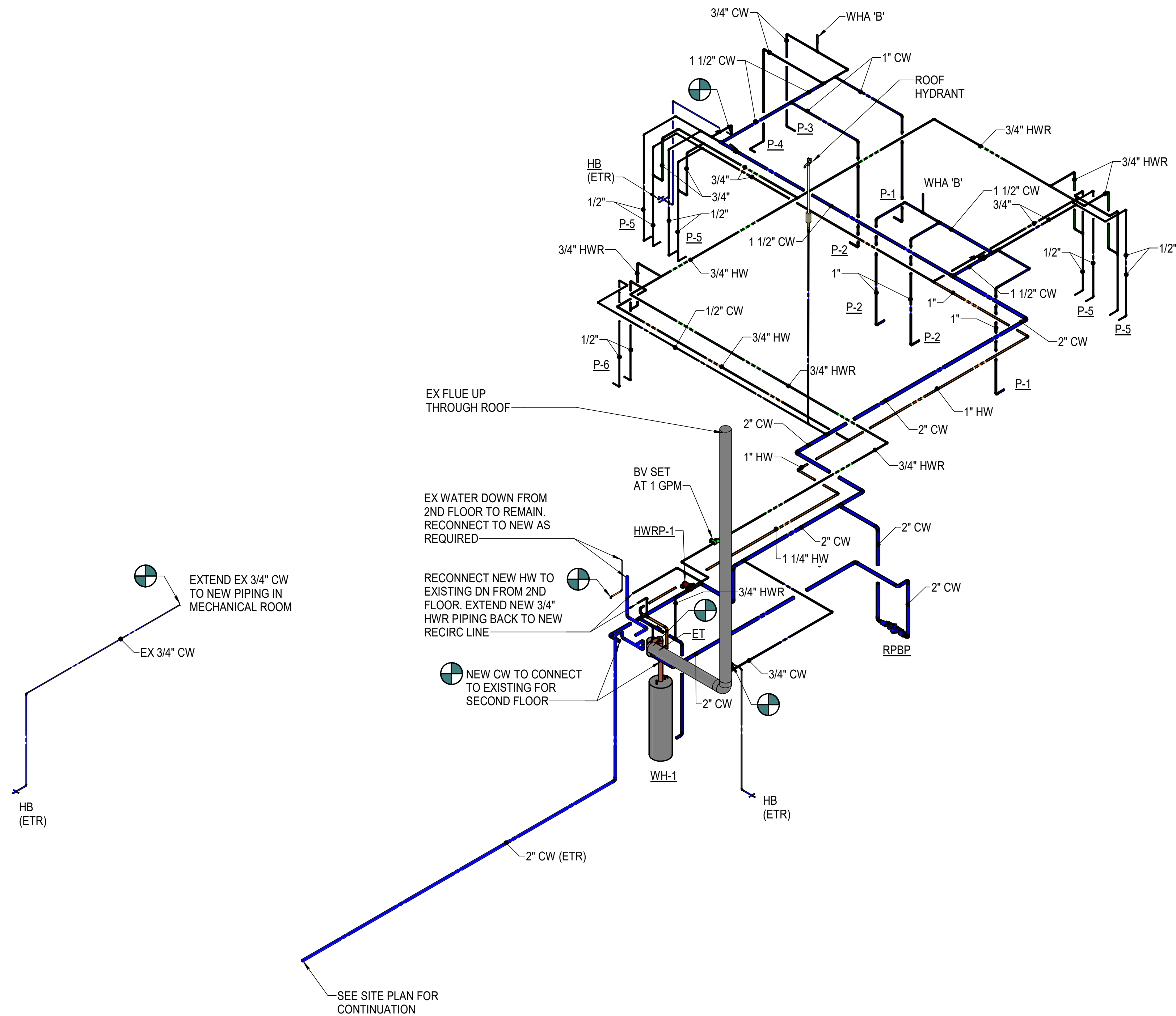


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ISSUE DATE	11/10/2022
REVISION NO.	DATE

NEW WORK ROOF PLAN -
SANITARY

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W1 WATER RISER DIAGRAM
P101 NO SCALE





PLUMBING SPECIFICATIONS:

PART 1 - GENERAL

1.1 ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES.

A. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

B. APPLICABLE LOCAL CODES

C. UNDERWRITER'S LABORATORIES, INC. (UL)

D. UNIFIED FACILITIES CRITERIA (UFC)

1.2 THE SCOPE OF THE WORK INCLUDES FURNISHING AND INSTALLING A FIRST CLASS WORKING SYSTEM, TESTED READY FOR OPERATION, COMPLETE WITH LABOR, MATERIALS, APPARATUS, TRANSPORTATION AND TOOLS REQUIRED FOR THE INSTALLATION IN CONFORMANCE WITH THE DRAWINGS AND THESE SPECIFICATIONS.

1.3 THE CONTRACTOR SHALL GIVE ALL NOTICES, OBTAIN ALL PERMITS, ARRANGE ALL INSPECTION, AND PAY ALL FEES.

1.4 THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO DETERMINE THE EXTENT OF THE WORK. LACK OF KNOWLEDGE OF EXISTING CONDITIONS WILL NOT BE CONSIDERED A BASIS FOR CHANGE ORDERS. PRIOR TO ORDERING EQUIPMENT, CERTIFY, IN WRITING, THAT EQUIPMENT TO BE PROVIDED UNDER THIS CONTRACT IS ACCEPTABLE AND APPROPRIATE. EXPENSE INCURRED BY THE CONTRACTOR, WHICH IN THE ENGINEER'S OPINION COULD HAVE BEEN AVOIDED BY THIS STEP, SHALL NOT BE A BASIS FOR CHANGE ORDERS.

1.5 SUBMIT SIX COMPLETE COPIES OF MATERIAL AND EQUIPMENT SHOP DRAWINGS, BEARING THE CONTRACTOR'S STAMP OF APPROVAL, PROPOSED FOR INSTALLATION.

1.6 THE CONTRACTOR SHALL DELIVER THE PLUMBING MATERIALS AND EQUIPMENT COVERED BY THE PLANS AND SPECIFICATIONS TO THE OWNER COMPLETE AND IN FIRST CLASS CONDITION IN EVERY RESPECT. HE SHALL GUARANTEE THAT THE MATERIALS, EQUIPMENT AND WORKMANSHIP PROVIDED BY HIM SHALL BE ENTIRELY FREE FROM DEFECTS, AND THAT HE WILL REPAIR OR REPLACE AT HIS OWN EXPENSE AS MAY BE DIRECTED BY THE OWNER, ANY MATERIAL, EQUIPMENT OR WORKMANSHIP IN WHICH DEFECTS MAY DEVELOP. PROVIDE A WRITTEN WARRANTY FOR A PERIOD OF 12 MONTHS AGAINST DEFECTIVE WORKMANSHIP AND MATERIAL AFTER FINAL ACCEPTANCE AT NO ADDITIONAL COST TO THE OWNER.

1.7 ADDITIONALLY, PLUMBING WORK SHALL COMPLY WITH REQUIREMENTS OF THE TENANT / LANDLORD AGREEMENT.

PART 2 - PRODUCTS

2.1 INTERIOR WATER PIPING (ABOVE GRADE) SHALL BE TYPE "L" HARD COPPER TUBING, ASTM B88.

2.2 EXTERIOR PIPING AND PIPING BELOW GRADE SHALL BE TYPE "K" HARD COPPER TUBING, ASTM B88.

2.3 COPPER TUBING SHALL BE ASSEMBLED WITH CAST OR WROUGHT COPPER SOLDER JOINT FITTINGS.

2.4 PIPING AND FITTINGS (BELOW GRADE), (ABOVE GRADE) SHALL BE POLYVINYL CHLORIDE (CPVC) PLASTIC SCHEDULE 40,, ASTM D2846, ASTM F441, ASTM F442.

2.5 DIELECTRIC FITTINGS SHALL BE USED WHERE COPPER PIPING IS CONNECTED TO DISSIMILAR METAL.

2.6 JOINTS SHALL BE MADE WITH A NON-CORROSIVE FLUX WITH SOLDER COMPOSED OF 95 PERCENT TIN AND 5 PERCENT ANTIMONY, OR GRADE SN 96 TIN-SILVER SOLDER AND FLUX CONTAINING NOT MORE THAN 0.2 PERCENT LEAD.

2.7 SOIL, WASTE, STORM DRAIN, AND VENT PIPING BURIED IN THE GROUND SHALL BE SERVICE WEIGHT CAST IRON SOIL PIPE AND FITTINGS, BELL AND SPIGOT WITH RUBBER COMPRESSION GASKET JOINTS, OR CAULKED AND LEADED JOINTS, OR CISPI 301 HUBLESS PIPE WITH COUPLING JOINTS. PVC, SCHEDULE 40, ASTM D2665 OR ABS SEWER PIPE, ASTM D2661 MAY BE INSTALLED AS PERMITTED BY CODE. **FOAM CORE IS NOT ACCEPTABLE.**

2.8 SOIL, WASTE, STORM DRAIN, AND VENT PIPING ABOVE GROUND SHALL BE CISPI 301 HUBLESS PIPE AND FITTINGS WITH COUPLING JOINTS, OR ASTM A74, HUB AND SPIGOT PIPE AND FITTINGS WITH RUBBER COMPRESSION GASKET JOINTS. PVC, SCHEDULE 40, ASTM D2665, OR ABS SEWER PIPE, ASTM D2661 MAY BE INSTALLED AS PERMITTED BY CODE. **FOAM CORE IS NOT ACCEPTABLE.**

2.9 FLOOR CLEANOUTS SHALL BE CAST IRON, WITH ANCHOR FLANGE, NICKEL BRONZE RIM AND SCORIATED FLOOR PLATE WITH "CO" CAST IN THE PLATE.

2.10 WALL CLEANOUTS SHALL BE PROVIDED WITH POLISHED STAINLESS STEEL OR CHROMIUM PLATED BRONZE COVER PLATE SECURED TO CLEANOUT PLUG WITH COUNTERSUNK SCREW.

2.11 FLOOR DRAINS SHALL BE CAST IRON, WITH CLAMPING RINGS FOR USE WITH MEMBRANE WATERPROOFING, PERFORATED NICKEL BRONZE STRAINER, ADJUSTABLE COLLAR, P-TRAP, AND DOUBLE DRAINAGE FLANGE.

2.12 PROVIDE NEW FIXTURES, FREE FROM FLAWS AND BLEMISHES WITH FINISHED SURFACES CLEAR, SMOOTH AND BRIGHT. VISIBLE PARTS OF FIXTURE BRASS AND ACCESSORIES SHALL BE CHROME PLATED. MANUFACTURER AND MODEL NUMBERS ARE PROVIDED FOR DESIRED STYLE AND QUALITY. OTHERS MAY BE SUBSTITUTED IF APPROVED EQUAL.

2.13 WATER HEATERS WITH INPUT RATINGS GREATER THAN OR EQUAL TO 200,000 BTUH OR STORAGE CAPACITY GREATER THAN OR EQUAL TO 120 GALLONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASME STANDARDS AND BEAR THE ASME STAMP.

2.14 IN-LINE CIRCULATOR SHALL HAVE BRASS CASING, IMPELLER; 125 PSI WORKING PRESSURE, CERAMIC SHAFT AND BEARINGS, ARMSTRONG NO. ASTRO 250 SS, 1 G.P.M. AT 24 FEET T.D.H., 120V VOLTS, 1-PHASE (OR APPROVED EQUAL).

2.15 PROVIDE WATER HAMMER ARRESTORS ON HOT AND COLD WATER LINES WHERE INDICATED. ONLY SPECIFIC-TYPE WATER HAMMER ARRESTORS; VERTICAL CAPPED PIPE COLUMNS ARE NOT PERMITTED. SIZE AND LOCATE COMMERCIAL WATER HAMMER ARRESTERS IN ACCORDANCE WITH PDI WH 201, WATER HAMMER ARRESTERS STANDARD AND MANUFACTURER'S RECOMMENDATIONS.

2.16 PROVIDE VALVES OF ONE MANUFACTURER, NON-RISING STEM 125 PSI SWP, BRONZE BODY, BRONZE BONNET, BRONZE WEDGE, THREADED OR SOLDERED END, AS MANUFACTURED BY NIBCO, OR APPROVED EQUAL.

2.17 PIPE HANGERS SHALL BE ADJUSTABLE TYPE, MSS SP-58 AND MSS SP-69. PROVIDE INSULATION PROTECTION SHIELDS FOR INSULATED PIPING. PROVIDE STEEL SUPPORT RODS.

2.18 INSULATION SHALL BE PER ASTM C 547. INSULATION PRODUCTS SHALL BE FIRE RESISTANT PER ASTM E84. INSULATE ALL VALVES AND FITTINGS. ALL DOMESTIC HOT AND COLD WATER PIPING SHALL BE INSULATED WITH ONE PIECE FIBERGLASS INSULATION, WITH HIGH DENSITY, WHITE KRAFT BONDED TO ALUMINUM FOIL, FIBERGLASS REINFORCED ALL PURPOSE JACKET. JOINTS SHALL BE SEALED AND PROTECTIVE FINISH APPLIED TO INSULATION INSTALLED ON EXPOSED PIPING AND PIPING ABOVE CEILINGS. THICKNESS AS RECOMMENDED BY MANUFACTURER. INSULATION SHALL BE PROVIDED AT ALL ROOF DRAIN SUMPS AND HORIZONTAL RUNS OF RAIN LEADER PIPING.

PART 3 - EXECUTION

3.1 COORDINATE WORK CLOSELY WITH ALL OTHER TRADES.

3.2 WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. UNITS SHALL BEAR THE PLUMBING AND DRAINAGE INSTITUTE CERTIFIED SEAL OF APPROVAL.

3.3 VALVES SHALL BE INSTALLED AS DETAILED ON THE DRAWINGS WITH STEM UPRIGHT OF HORIZONTAL. WHEN VALVES ARE NOT SHOWN IN DETAIL ON THE PLANS, IT SHALL BE UNDERSTOOD THAT THE PLUMBING CONTRACTOR SHALL PROVIDE ALL VALVES AND FITTINGS NECESSARY FOR THE CONTROL AND OPERATION OF ALL EQUIPMENT. GATE VALVES SHALL BE INSTALLED IN SERVICE REQUIRING THE VALVE TO BE FULLY OPENED OR TIGHTLY CLOSED.

3.4 INSTALL INSULATION AFTER TESTING IS COMPLETE.

3.5 THE EXACT LOCATION OF WHERE AND HOW TO INSTALL NEW PIPING SYSTEMS SHALL BE DETERMINED BY THE CONTRACTOR TO AVOID INTERFERENCE WITH EXISTING AND/OR NEW DUCTWORK, LIGHTING FIXTURES, OTHER PIPING SYSTEMS, ETC.

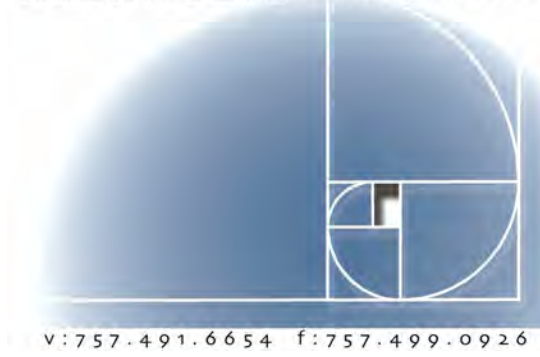
3.6 THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR, AND BE REQUIRED TO MAKE GOOD AT HIS OWN EXPENSE, ANY AND ALL DAMAGES TO ANY WORK OR MATERIALS IN PLACE ON THE PREMISES, OR INCLUDED IN THIS CONTRACT, DURING THE EXECUTION OF HIS CONTRACT.

3.7 THE CONTRACTOR SHALL SCHEDULE HIS WORK TO COINCIDE WITH THE PROGRESS OF ALTERATION WORK IN THIS AREA, AND AT SUCH TIME WHEN CONNECTION TO EXISTING SPRINKLER MAIN IS SCHEDULED, SUITABLE STANDBY MEASURES SHALL BE PROVIDED FOR FIRE PROTECTION.

3.8 PROVIDE ALL MATERIALS, TOOLS, LABOR, AND OTHER RELATED ITEMS TO COMPLETE ALL WORK, INCLUDING ROUGH-IN FOR, AND MAKE PLUMBING CONNECTIONS TO ALL NEW EQUIPMENT IN ACCORDANCE WITH THE VIRGINIA PLUMBING CODE.

3.9 ALL WATER PIPING SHALL BE STERILIZED IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION, AWWA C651, AND AS REQUIRED BY THE LOCAL HEALTH BOARD.

3.10 BEFORE FINAL ACCEPTANCE OF THE WORK, TEST EACH SYSTEM AS IN SERVICE TO DEMONSTRATE COMPLIANCE WITH TESTING AS SPECIFIED IN THE VIRGINIA PLUMBING CODE.



21374

CHA PROJECT	21293
ISSUE DATE	11/10/2022
REVISION NO.	DATE

SPECIFICATIONS

GENERAL NOTES

DEMOLITION

EXISTING HVAC PIPING, DUCTWORK, AND EQUIPMENT SHOWN IS BASED ON EXISTING PLANS AND FIELD OBSERVATION WITHOUT DEMOLITION. AFTER DEMOLITION, ANY CLARIFICATION REQUIRED TO DETERMINE SCOPE OF WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

THE CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS.

DRAWINGS DO NOT SHOW EVERY EXISTING PIPE, CONDUIT, DUCT, ETC. CONTRACTOR SHALL TAKE CARE TO REMOVE ONLY ITEMS REQUIRED TO BE REMOVED AND VERIFY PIPES, DUCTS, ETC. BEFORE REMOVAL.

REMOVAL OF ITEMS SHALL INCLUDE ASSOCIATED HANGERS, ANCHOR BOLTS AND OTHER APPURTENANCES. WHERE SUCH REMOVAL RESULTS IN OPEN HOLES, VOIDS OR EXPOSURE OF DAMAGED SURFACES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND FINISHING THE SURFACE TO MATCH ADJACENT CONDITIONS. THIS WORK SHALL BE COORDINATED WITH ARCHITECTURAL FINISH SCHEDULES WHERE APPLICABLE.

REMOVE EXISTING DUCTWORK AND PIPING NOT TO BE REUSED.

ALL MATERIALS REMOVED UNDER DEMOLITION, NOT TO BE RELOCATED OR DESIGNATED TO BE TURNED OVER TO THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED, AND SHALL BE REMOVED COMPLETELY FROM THE SITE.

GENERAL ITEMS

GENERAL NOTES ON THIS DRAWING ARE APPLICABLE TO EACH HVAC DRAWING OF THIS SET. SEE EACH DRAWING FOR SPECIFIC NOTES APPLICABLE TO THAT DRAWING.

COORDINATE THAT OUTSIDE AIR INTAKE OPENINGS FOR VENTILATION AIR ARE LOCATED AT LEAST 10 FEET MEASURED IN ANY DIRECTION FROM ANY HAZARDOUS OR NOXIOUS CONTAMINANT SOURCE SUCH AS FLUES, VENTS, CHIMNEYS, GAS METERS, GAS REGULATORS, PLUMBING VENTS, ETC., UNLESS TOP OF SUCH INTAKE OPENING IS 3 FEET OR GREATER BELOW ANY OF THE LISTED ITEMS.

OVERHEAD PIPING IN SPACES WITHOUT HUNG CEILINGS SHALL BE RUN AS CLOSE TO ROOF DECK AS PRACTICAL, AS CLOSE TO PARALLEL JOISTS AS POSSIBLE AND ABOVE LIGHTING FIXTURES TO CONCEAL PIPING.

OVERHEAD DUCTWORK AND PIPING IN SPACES WITH CEILINGS SHALL BE CONCEALED UNLESS OTHERWISE NOTED.

EXERCISE DUE CAUTION IN INSTALLING RUNOUTS AND BRANCH PIPING FROM MAINS FOR EXPANSION MOVEMENT.

COORDINATE LOCATION OF GRILLES, REGISTERS, DIFFUSERS, THERMOSTATS AND OTHER WALL OR CEILING MOUNTED HVAC ACCESSORIES WITH REFLECTED CEILING PLAN, LIGHTING FIXTURE LAYOUT AND ACCESSORIES INSTALLED BY OTHER TRADES SO AS TO PRESENT A NEAT AND ATTRACTIVE INSTALLATION THROUGHOUT THE ENTIRE BUILDING. IT IS THE INTENT FOR GRILLES, REGISTERS AND DIFFUSERS TO BE INSTALLED IN THE CENTER OF CEILING PANELS.

ARRANGE PIPING AND DUCTWORK, PARTICULARLY ABOVE CEILING AS REQUIRED TO CLEAR STRUCTURE, DUCTS, CONDUITS, ETC. ALLOWING SPACE FOR PIPE HANGERS, EXPANSION LOOPS AND ACCESS TO VALVES, FILTERS, AND MAINTENANCE OF EQUIPMENT.

COORDINATE LOCATION AND INSTALLATION OF EQUIPMENT WITH OTHER TRADES.

DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, ETC.

THERMOSTATS AND SENSORS SHALL BE LOCATED IN THE ROOMS INDICATED. INSTALL AT APPROX. 46" ABOVE FINISH FLOOR TO MATCH THE HEIGHT OF WALL SWITCHES OR OTHER WALL MOUNTED DEVICES.

PIPING, DUCTWORK, VENTS, ETC., EXTENDING THROUGH EXTERIOR WALLS AND ROOF SHALL BE FLASHED AND COUNTER FLASHED IN A WEATHERPROOF MANNER.

PIPING AND DUCTWORK INSULATION SHALL BE RUN CONTINUOUSLY THROUGH NON-RATED FLOORS, WALLS, ROOF AND PARTITIONS, UNLESS OTHERWISE INDICATED.

NO PIPING SHALL BE SMALLER THAN 3/4" UNLESS OTHERWISE NOTED.

RUNOUTS SHALL PITCH DOWN IN DIRECTION OF FLOW A MINIMUM OF 1" IN 3'.

THROUGH-PENETRATION FIRESTOP ASSEMBLIES

PROVIDE UL LISTED THROUGH-PENETRATION ASSEMBLIES FOR FIRE RATED PARTITIONS, WALLS, AND FLOORS. REVIEW ARCHITECTURAL DRAWINGS FOR FIRE PARTITION LOCATIONS AND UL LISTINGS.

SHEET METAL

PROVIDE ACCESS DOORS IN DUCTWORK WHERE INDICATED OR REQUIRED FOR ACCESS TO SYSTEM COMPONENTS INCLUDING THE FOLLOWING:
DAMPER MOTORS AND/OR MOTOR OPERATED DAMPERS

HIGH SIDEWALL REGISTERS OR GRILLES SHALL BE LOCATED 6" FROM CEILING TO TOP OF REGISTER OR GRILLE.

LOW SIDEWALL REGISTERS OR GRILLES SHALL BE LOCATED 12" FROM BOTTOM OF REGISTER OR GRILLE TO FINISHED FLOOR.

INSTALL FLOOR REGISTERS AND CEILING REGISTERS A MINIMUM OF 4" FROM EXTERIOR WALL.

SPACE ABOVE CEILING IS TO BE USED AS A RETURN AIR PLENUM WHERE DUCTWORK IS NOT INDICATED ABOVE RETURN AIR GRILLES.

PROVIDE A MINIMUM OF THREE TIMES THE FAN DIAMETER OF STRAIGHT DUCTWORK OFF THE SUPPLY AIR FAN DISCHARGE BEFORE ANY TAKEOFFS OR ELBOWS.

ALL DUCTWORK SHALL BE CONSTRUCTED TO THE SMACNA STATIC PRESSURE CLASSIFICATION OF 2 IN. WG AND SEAL CLASS "A".

PROVIDE EXTENDED VOLUME DAMPER CONTROL RODS SO THAT HANDLES ARE WELL CLEAR OF DUCT INSULATION.

MAINTENANCE

EQUIPMENT WITH FILTERS SHALL BE INSTALLED SO THAT FILTERS CAN BE EASILY REMOVED AND REPLACED.

PROVIDE ACCESS TO ANY INSPECTION OR MAINTAINABLE DEVICE, EQUIPMENT, ETC. - ACCESS OR ACCESS DOOR SHALL BE OF ADEQUATE SIZE TO WORK ON DEVICE.

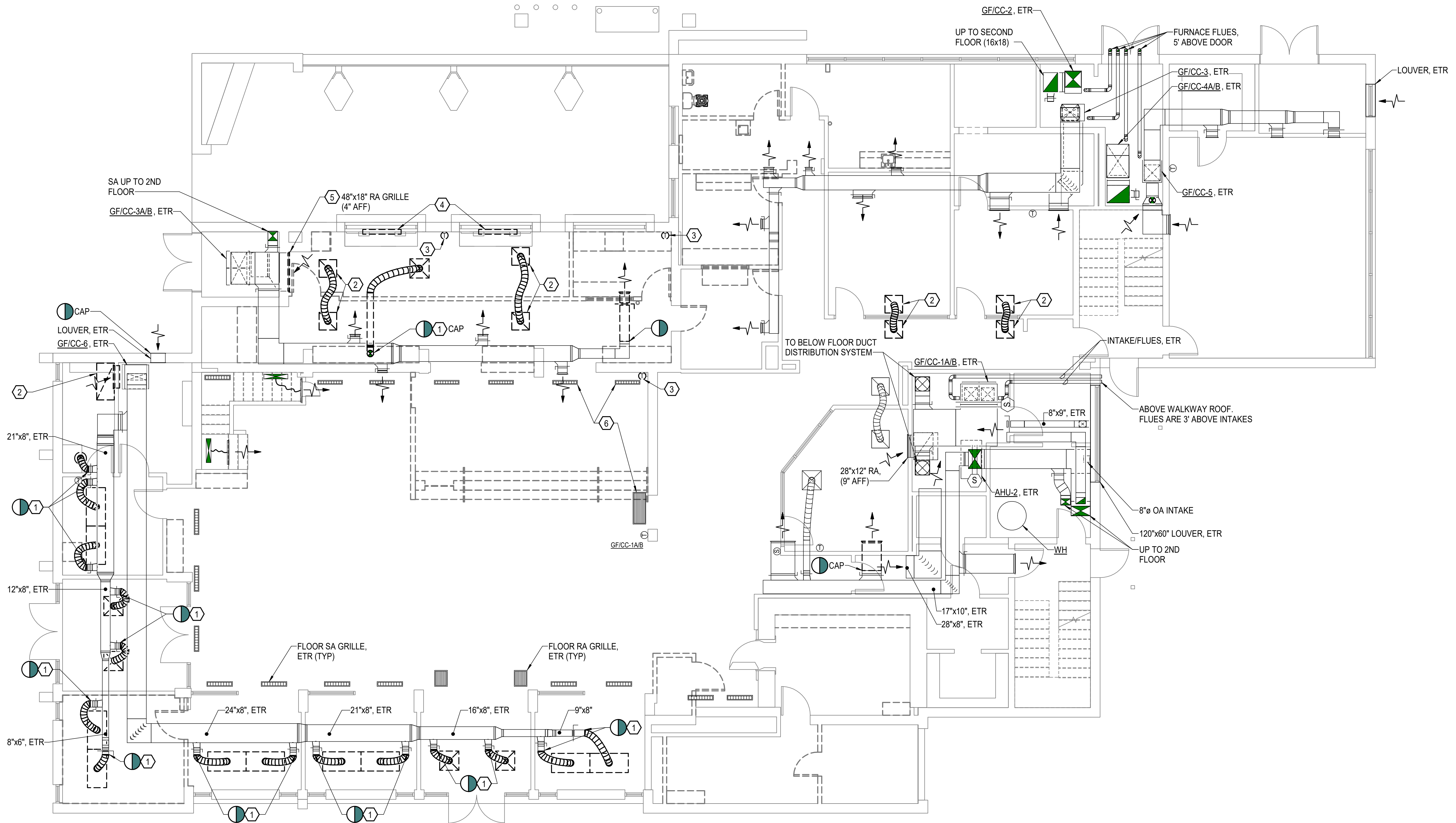
EXAMINE MANUFACTURER'S LITERATURE TO DETERMINE RECOMMENDED CLEARANCES. THESE CLEARANCES, IN ADDITION TO MINIMUM CLEARANCES REQUIRED BY THE NATIONAL ELECTRICAL CODE, SHALL BE ESTABLISHED AND MAINTAINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THESE REQUIREMENTS WITH ALL OTHER TRADES.

INTERDISCIPLINARY COORDINATION

IF THIS CONTRACTOR SHOULD ELECT TO PROPOSE ANY EQUIPMENT THAT HAS DIFFERENT PHYSICAL OR ELECTRICAL CHARACTERISTICS, ETC. WHEN COMPARED TO THE BASIS OF DESIGN EQUIPMENT, THIS CONTRACTOR IS RESPONSIBLE FOR COORDINATING THESE CHANGES WITH THE OTHER TRADES PRIOR TO BID AND AGAIN AFTER ORDERING OF EQUIPMENT. IF THERE SHOULD BE ANY ADDITIONAL WORK INCURRED BY THE OTHER TRADES AS A RESULT OF THIS CONTRACTOR'S EQUIPMENT SELECTION, ALL COSTS ASSOCIATED WITH THE ADDITIONAL WORK SHALL BE BORNE BY THIS CONTRACTOR.

LEGENDS AND ABBREVIATIONS

	DEMOLITION NOTE DESIGNATION		PIPE TURNING UP	AFF	ABOVE FINISHED FLOOR
	NEW WORK NOTE DESIGNATION		PIPE TURNING DOWN	APD	AIR PRESSURE DROP
	NEW POINT OF CONNECTION		PIPE CAPPED	APPROX	APPROXIMATELY
	LIMIT OF DEMOLITION WORK		DIRECTION OF PITCH DOWN	CFM	CUBIC FEET PER MINUTE
AHU-1	AIR HANDLING UNIT DESIGNATION		DIRECTION OF FLOW	DB	DRY BULB TEMPERATURE
DSS-1	DUCTLESS SPLIT SYSTEM DESIGNATION		CONDENSATE DRAIN PIPING	EA	EXHAUST AIR
EF-1	EXHAUST FAN DESIGNATION		REFRIGERANT LIQUID PIPING	EAT	ENTERING AIR TEMPERATURE
GF/CG-1	GAS FURNACE WITH CASED COOLING COIL DESIGNATION		REFRIGERANT SUCTION PIPING	EDB	ENTERING DRY BULB TEMPERATURE
HP-1	HEAT PUMP DESIGNATION			EWB	ENTERING WET BULB TEMPERATURE
	WALL HUMIDISTAT/HUMIDITY SENSOR			ETR	EXISTING TO REMAIN
	WALL THERMOSTAT/TEMPERATURE SENSOR			ESP	EXTERNAL STATIC PRESSURE
	MOTORIZED DAMPER			FLA	FULL LOAD AMPS
	VOLUME DAMPER			FPM	FEET PER MINUTE
	SMOKE DETECTOR			FT	FEET
	GRILLE, REGISTER, OR DIFFUSER MARK (CFM AS INDICATED)			HP	HORSEPOWER
	SUPPLY AIR/OUTSIDE AIR DUCT SECTION			IN	INCH
	RETURN AIR AIR DUCT SECTION			MAX	MAXIMUM
	EXHAUST AIR DUCT SECTION			MBH	1000 BRITISH THERMAL UNITS PER HOUR
	SUPPLY AIR/OUTSIDE AIR DUCT SECTION THROUGH ROOF			MCA	MINIMUM CIRCUIT AMPS
	RETURN AIR DUCT SECTION THROUGH ROOF			MIN	MINIMUM
	EXHAUST AIR DUCT SECTION THROUGH ROOF			MOCP	MAXIMUM OVERCURRENT PROTECTION
	DUCT TURNING UP			NC	NOISE CRITERIA
	DUCT TURNING DOWN			OA	OUTSIDE AIR
	CEILING DIFFUSER WITH FLEXIBLE DUCTWORK			OBD	OPPOSED BLADE DAMPER
	RETURN REGISTER WITH DUCTWORK			PD	PRESSURE DROP
	EXHAUST GRILLE WITH DUCTWORK			RA	RETURN AIR
	MITERED ELBOW WITH TURNING VANES			SA	SUPPLY AIR
	FLEXIBLE DUCT CONNECTOR			SENS	SENSIBLE
				(TYP)	TYPICAL
				UON	UNLESS OTHERWISE NOTED
				V	VOLTS
				W	WATT
				WB	WET BULB TEMPERATURE
				WG	WATER GAUGE
				°F	DEGREE FAHRENHEIT
				Ø	PHASE/DIAMETER



 **FIRST FLOOR PLAN - DEMOLITION**
SCALE: 3/16" = 1'-0"

NOTES THIS SHEET

- 1 REMOVE DIFFUSER AND ASSOCIATED FLEX DUCT BACK TO MAIN.
- 2 REMOVE TRANSFER GRILLE AND ASSOCIATED ACCESSORIES.
- 3 REMOVE THERMOSTAT AND ASSOCIATED CONTROLS WIRING.
- 4 REMOVE BASEBOARD HEATER AND ASSOCIATED ACCESSORIES.
- 5 REMOVE RETURN GRILLE AND PREPARE FOR REPLACEMENT.
- 6 REMOVE AIR DEVICE AND PREPARE FOR RELOCATION INTO NEW ELEVATED FLOOR PLATFORM.

PRE-TAB NOTE:

WITHIN 15 DAYS OF CONTRACT AWARD,
CONTRACTOR TO PROVIDE AIRSIDE PRE-TAB ON
GF/CC-3A/B, 6, 3, 5, 1A/B
AHU-2
PROVIDE SUPPLY AND RETURN AIRFLOWS AND
EXTERNAL STATIC PRESSURES.

GRAPHIC SCALE:

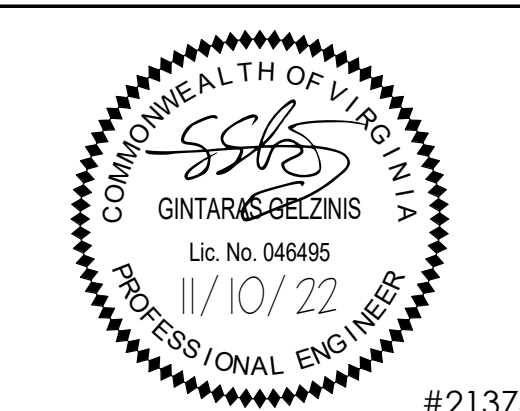


INTERIOR RENOVATIONS
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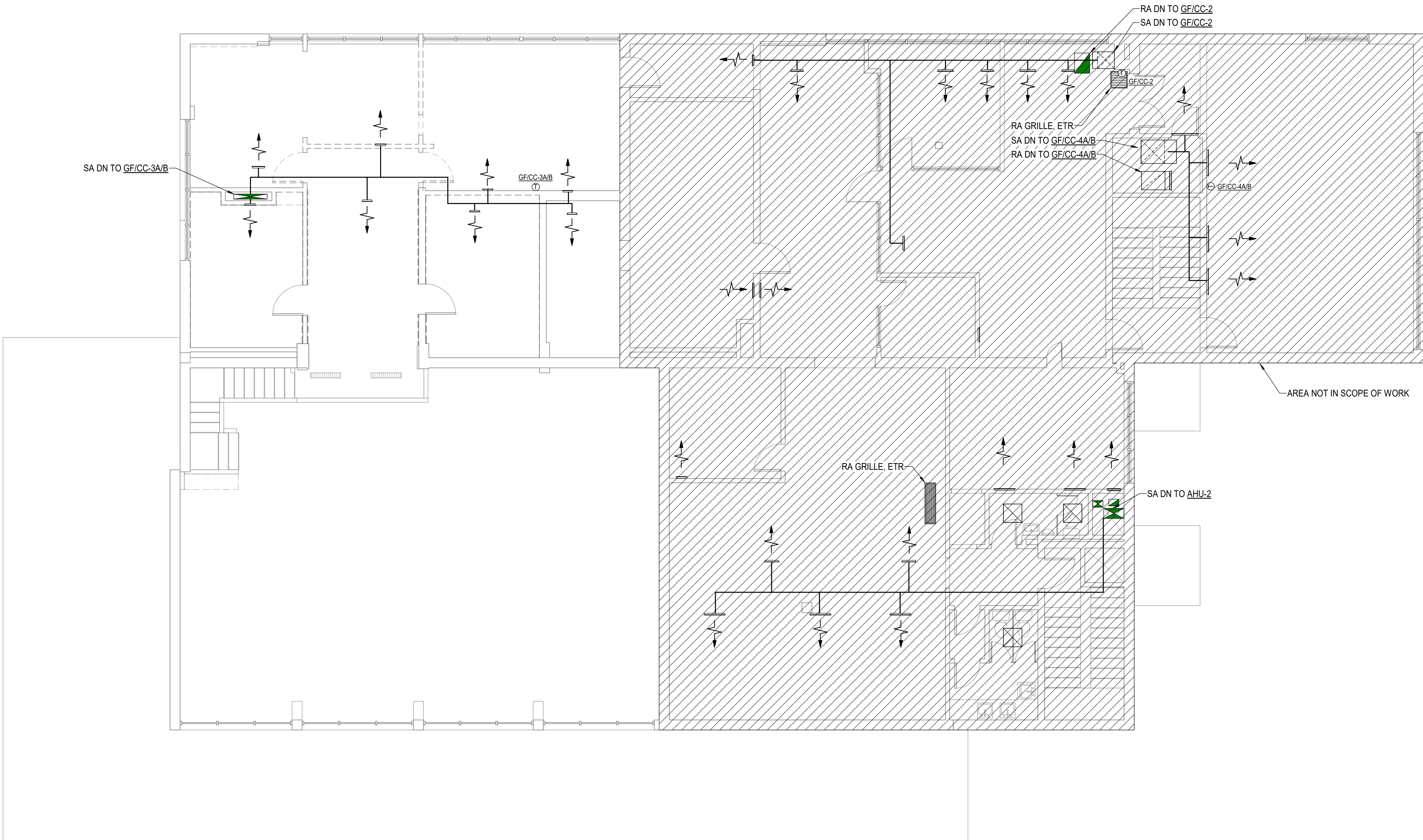


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SECOND FLOOR PLAN -
DEMOLITION

MD102

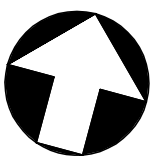


 SECOND FLOOR PLAN - DEMOLITION
SCALE: 3/16" = 1'-0"

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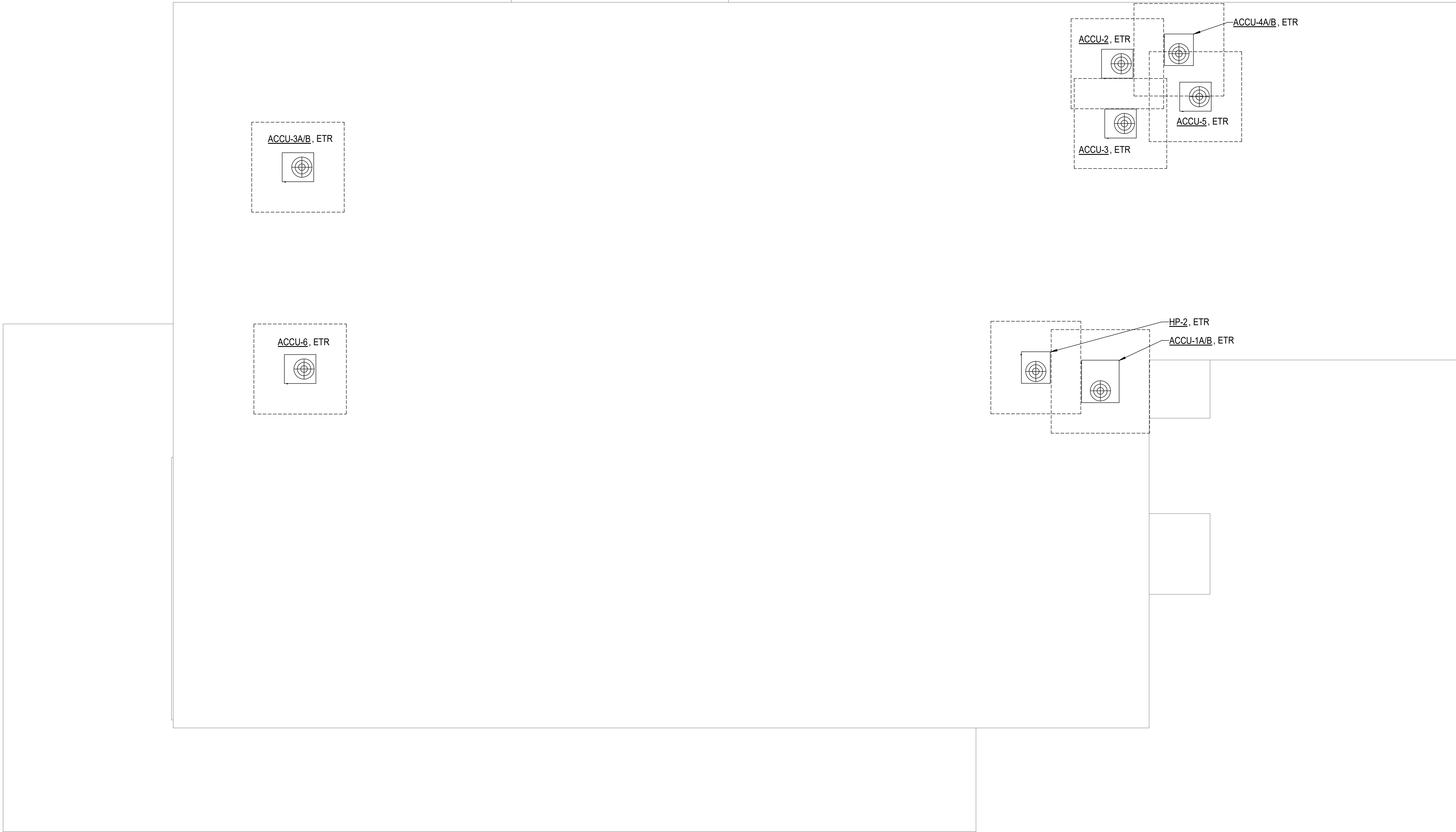


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ROOF PLAN - DEMOLITION

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



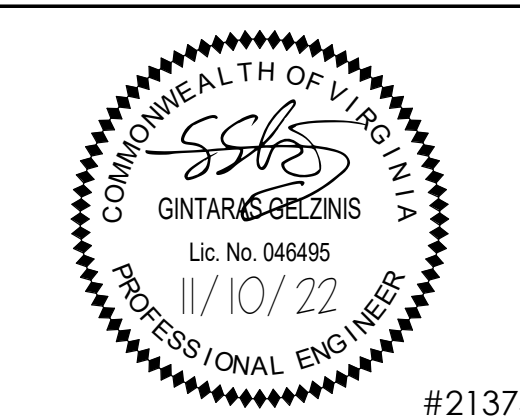
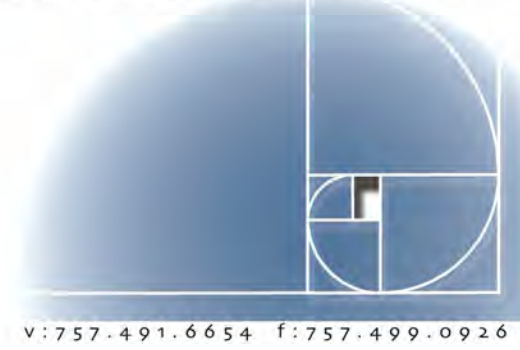
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ROOF PLAN - DEMOLITION

MD103

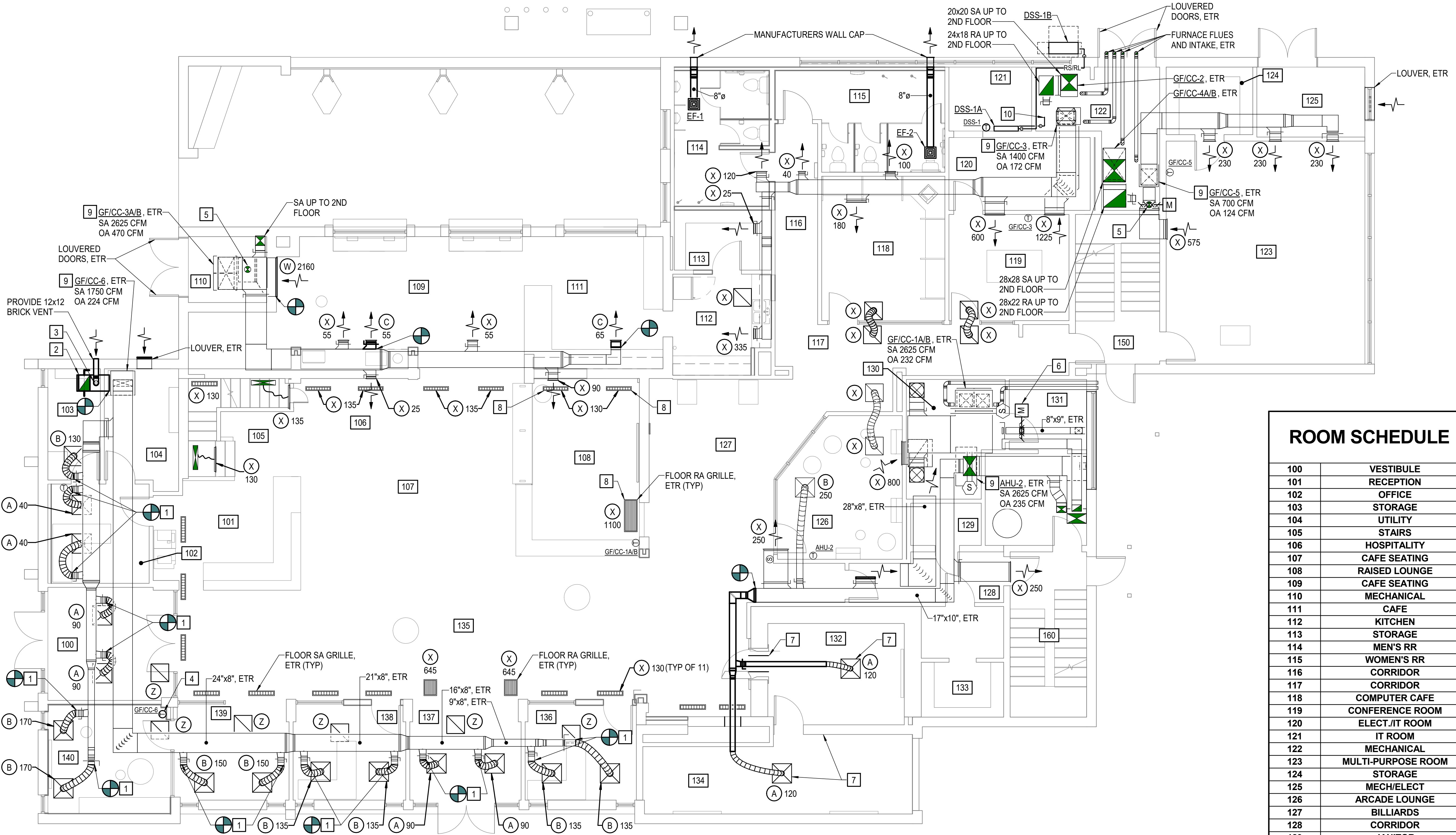


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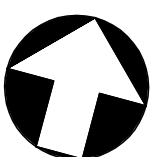
FIRST FLOOR PLAN - NEW
WORK

M101



ROOM SCHEDULE

100	VESTIBULE
101	RECEPTION
102	OFFICE
103	STORAGE
104	UTILITY
105	STAIRS
106	HOSPITALITY
107	CAFE SEATING
108	RAISED LOUNGE
109	CAFE SEATING
110	MECHANICAL
111	CAFE
112	KITCHEN
113	STORAGE
114	MEN'S RR
115	WOMEN'S RR
116	CORRIDOR
117	CORRIDOR
118	COMPUTER CAFE
119	CONFERENCE ROOM
120	ELECT./IT ROOM
121	IT ROOM
122	MECHANICAL
123	MULTI-PURPOSE ROOM
124	STORAGE
125	MECH/ELECT
126	ARCADE LOUNGE
127	BILLIARDS
128	CORRIDOR
129	JANITOR
130	MECH/ELECT
131	STORAGE
132	GAMING LOUNGE
133	STORAGE
134	GAMING VAULT
135	LOUNGE
136	OFFICE
137	VESTIBULE
138	OFFICE
139	LOUNGE
140	KID'S AREA
150	STAIR
160	STAIR



NEW WORK FLOOR PLAN - DUCTWORK

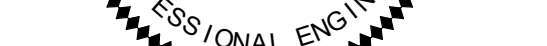
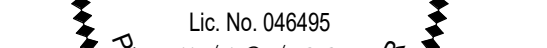
SCALE: 3/16" = 1'-0"

NOTES THIS SHEET

- 1 PROVIDE NEW TAKE OFF, VOLUME DAMPER, FLEX DUCT & DIFFUSER.
- 2 PROVIDE 20x20 RETURN AIR DUCT. CONNECT TO EXISTING UNIT, PROVIDE FILTER BRACE AT UNIT CONNECTION.
- 3 PROVIDE MOTORIZED DAMPER AND VOLUME DAMPER IN OUTSIDE AIRDUCT (IN VERTICAL). INTERLOCK WITH CORRESPONDING EQUIPMENT TO OPEN WHEN UNIT IS IN OCCUPIED MODE.
- 4 PROVIDE NEW THERMOSTAT AND CONTROL WIRING.
- 5 REPLACE EXISTING 8" OA TAKEOFF WITH NEW. NEW INTAKE SHALL HAVE VOLUME DAMPER AND MOTORIZED DAMPER. MECHANICAL CLOSET IS UTILIZED AS A PLENUM FOR OA AND COMBUSTION AIR INTAKE. ROOM DOORS ARE LOUVERED.
- 6 PROVIDE MOTORIZED OA DAMPER IN EXISTING DUCT. WIRE TO OPEN WHENEVER AHU-1 OR GF/CC-1A/B ARE IN OCCUPIED MODE.
- 7 CORE DRILL THROUGH REINFORCED VAULT CONCRETE WALL AND CEILING TO ALLOW FOR DUCT PENETRATIONS.
- 8 PROVIDE DUCT EXTENSION TO INSTALL EXISTING AIR DEVICE INTO NOW ELEVATED FLOOR PLATFORM. PROVIDE INSULATED EXTENDED DUCT. FIELD VERIFY DUCT DIMENSIONS PRIOR TO FABRICATION.
- 9 BALANCE EQUIPMENT AND ASSOCIATED AIR DEVICES TO AIRFLOWS INDICATED.
- 10 ROUTE CONDENSATE TO NEAREST FLOOR DRAIN IN MECH ROOM.

ROOM SCHEDULE

100	VESTIBULE
101	RECEPTION
102	OFFICE
103	STORAGE
104	UTILITY
105	STAIRS
106	HOSPITALITY
107	CAFE SEATING
108	RAISED LOUNGE
109	CAFE SEATING
110	MECHANICAL
111	CAFE
112	KITCHEN
113	STORAGE
114	MEN'S RR
115	WOMEN'S RR
116	CORRIDOR
117	CORRIDOR
118	COMPUTER CAFE
119	CONFERENCE ROOM
120	ELECT./IT ROOM
121	IT ROOM
122	MECHANICAL
123	MULTI-PURPOSE ROOM
124	STORAGE
125	MECH/ELECT
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129	JANITOR
130	MECH/ELECT
131	STORAGE
132	GAMING LOUNGE
133	STORAGE
134	GAMING VAULT
135	LOUNGE
136	OFFICE
137	VESTIBULE
138	OFFICE
139	LOUNGE
140	KID'S AREA
150	STAIR
160	STAIR



1374

CHA PROJECT 21293

ISSUE DATE 11/10/2022

REVISION NO.	DATE
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MECHANICAL ELECTRICAL ENGINEERS
WWW.PACE-ENGINEERING.COM

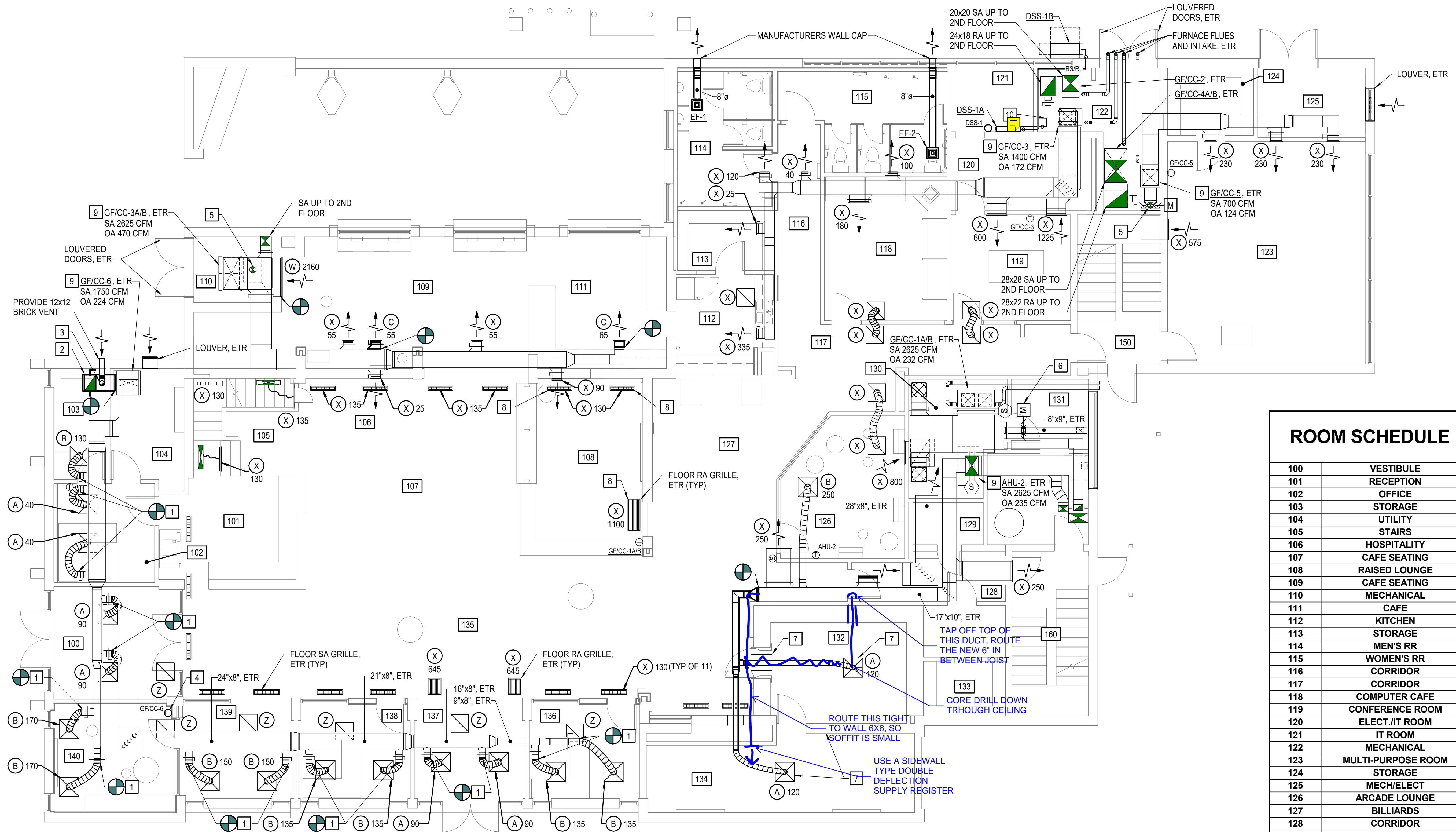
www.elsevier.com/locate/jmb

GRAPHIC SCALE:



FIRST FLOOR PLAN - NEW

M101



NEW WORK FLOOR PLAN - DUCTWORK

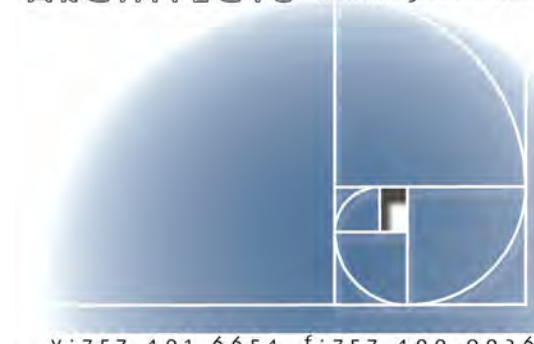
SCALE: 3/16" = 1'-0"

NOTES THIS SHEET

- | | | | |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | PROVIDE NEW TAKE OFF, VOLUME DAMPER, FLEX DUCT & DIFFUSER. | 6 | PROVIDE MOTORIZED OA DAMPER IN EXISTING DUCT. WIRE TO OPEN WHENEVER AHU-1 OR GF/CC-1A/B ARE IN OCCUPIED MODE. |
| 2 | PROVIDE 20x20 RETURN AIR DUCT. CONNECT TO EXISTING UNIT, PROVIDE FILTER BRACE AT UNIT CONNECTION. | 7 | CORE DRILL THROUGH REINFORCED VAULT CONCRETE WALL AND CEILING TO ALLOW FOR DUCT PENETRATIONS. |
| 3 | PROVIDE MOTORIZED DAMPER AND VOLUME DAMPER IN OUTSIDE AIRDUCT (IN VERTICAL). INTERLOCK WITH CORRESPONDING EQUIPMENT TO OPEN WHEN UNIT IS IN OCCUPIED MODE. | 8 | PROVIDE DUCT EXTENSION TO INSTALL EXISTING AIR DEVICE INTO NOW ELEVATED FLOOR PLATFORM. PROVIDE INSULATED EXTENDED DUCT. FIELD VERIFY DUCT DIMENSIONS PRIOR TO FABRICATION. |
| 4 | PROVIDE NEW THERMOSTAT AND CONTROL WIRING. | 9 | BALANCE EQUIPMENT AND ASSOCIATED AIR DEVICES TO AIRFLOWS INDICATED. |
| 5 | REPLACE EXISTING 8" OA TAKEOFF WITH NEW. NEW INTAKE SHALL HAVE VOLUME DAMPER AND MOTORIZED DAMPER. MECHANICAL CLOSET IS UTILIZED AS A PLENUM FOR OA AND COMBUSTION AIR INTAKE. ROOM DOORS ARE LOUVERED. | 10 | ROUTE CONDENSATE TO NEAREST FLOOR DRAIN IN MECH ROOM. |

INTERIOR RENOVATIONS
USO FORT BENNING - BLDG 109
FORT BENNING, GA

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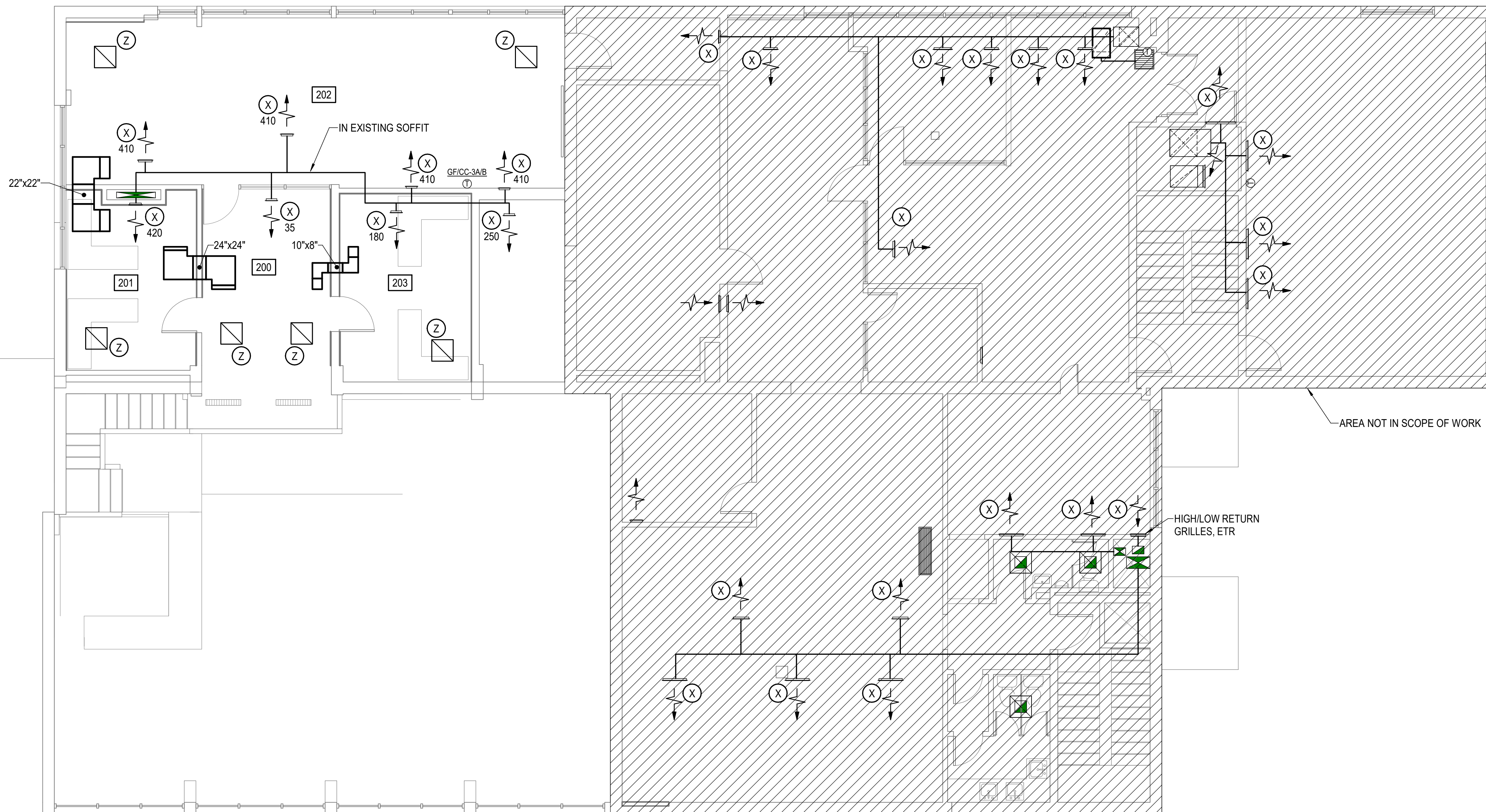


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CHA PROJECT	21293
ISSUE DATE	11/10/2022
REVISION NO.	DATE

SECOND FLOOR PLAN - NEW
WORK

M102



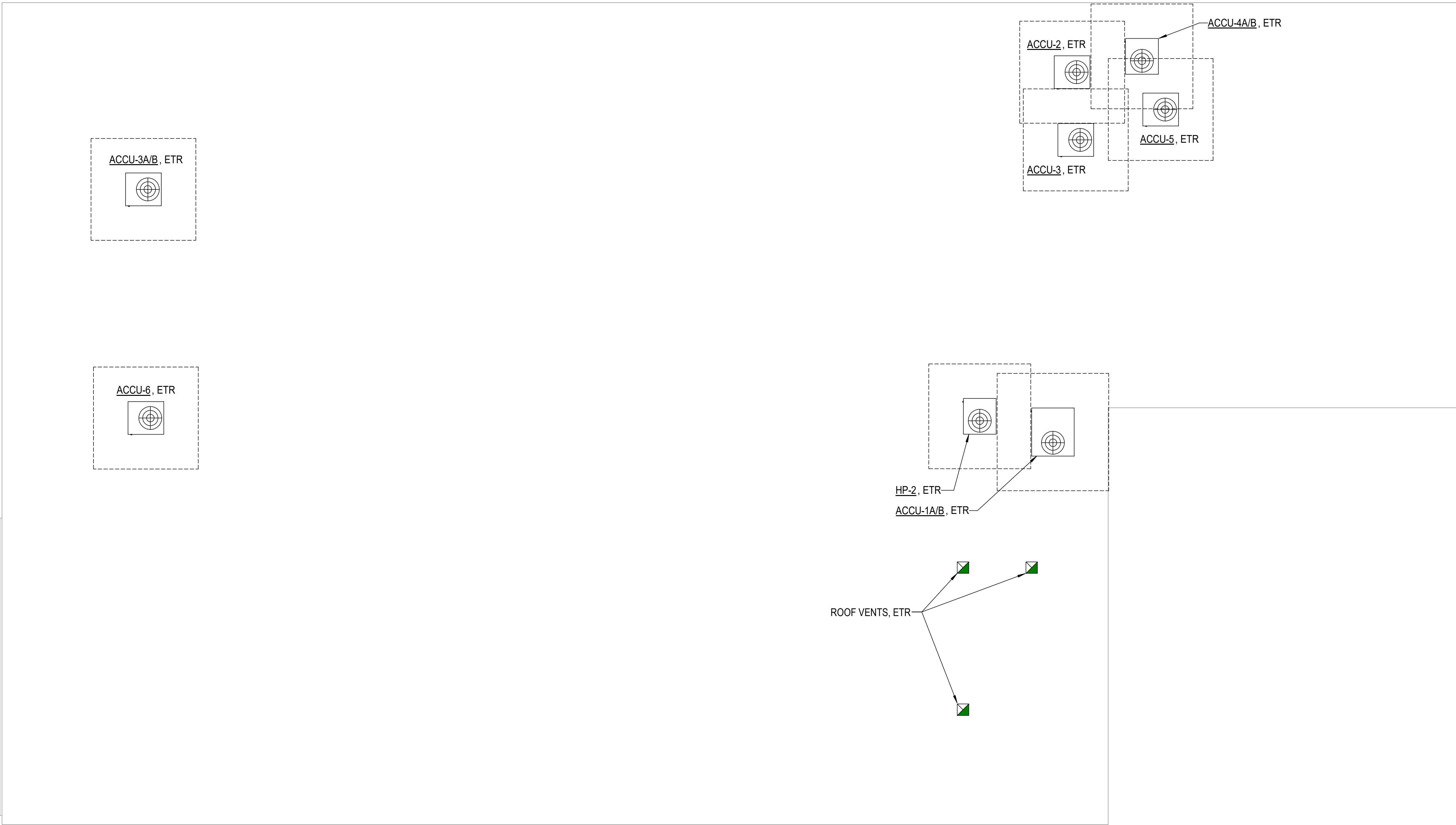
 SECOND FLOOR PLAN - NEW WORK
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE:



11/9/2022 11:13:01 AM

 **ROOF PLAN - NEW WORK**
SCALE: 3/16" = 1'-0"



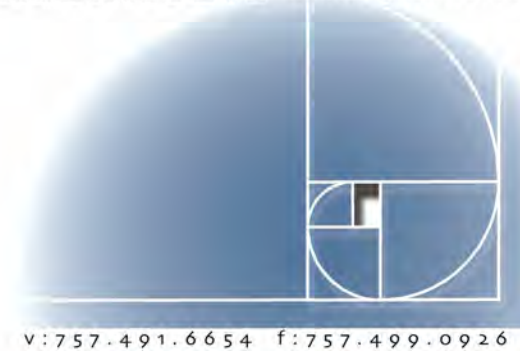
GRAPHIC SCALE:



**RECORD
DRAWINGS**
2023.11.30

INTERIOR RENOVATIONS
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FORT BENNING, GA

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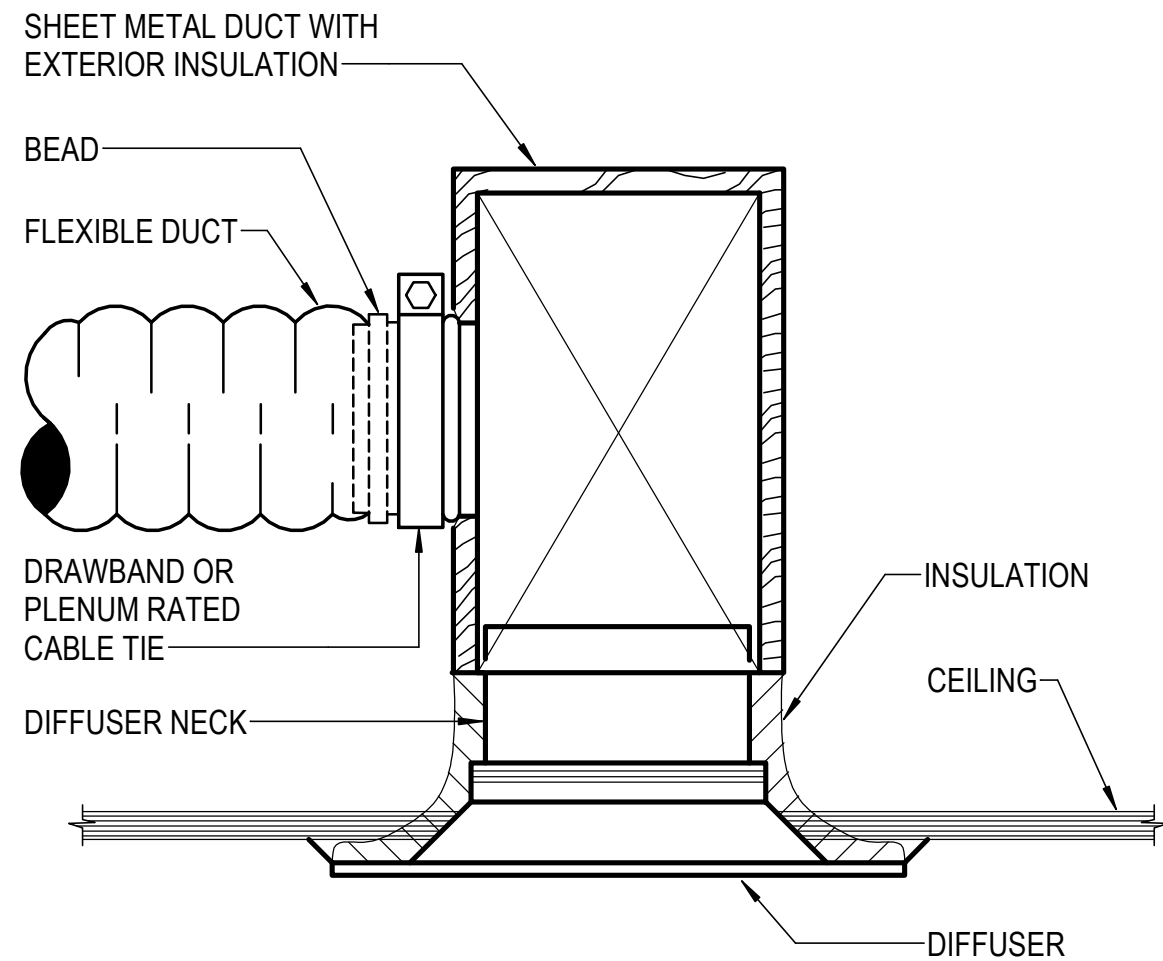


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CHA PROJECT	21293
ISSUE DATE	11/10/2022
REVISION NO.	DATE

ROOF PLAN - NEW WORK

M103

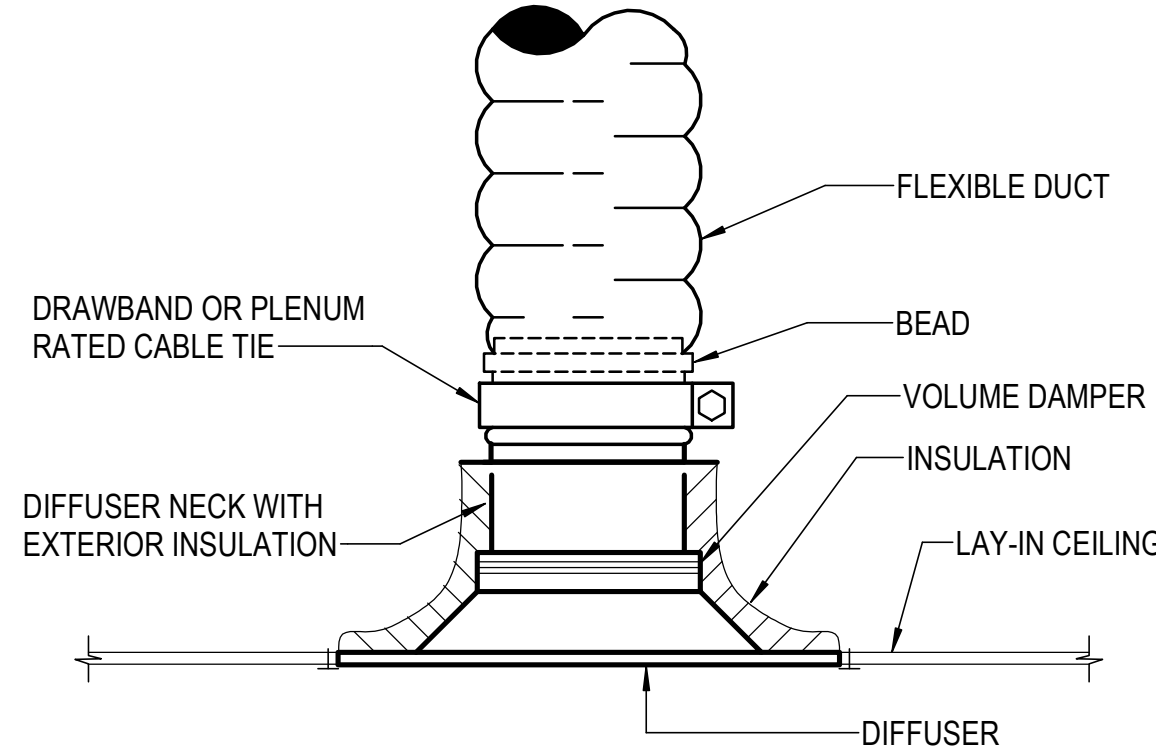


INSTALL PER THIS DETAIL WHERE SPACE
ABOVE CEILING IS LIMITED

NO SCALE

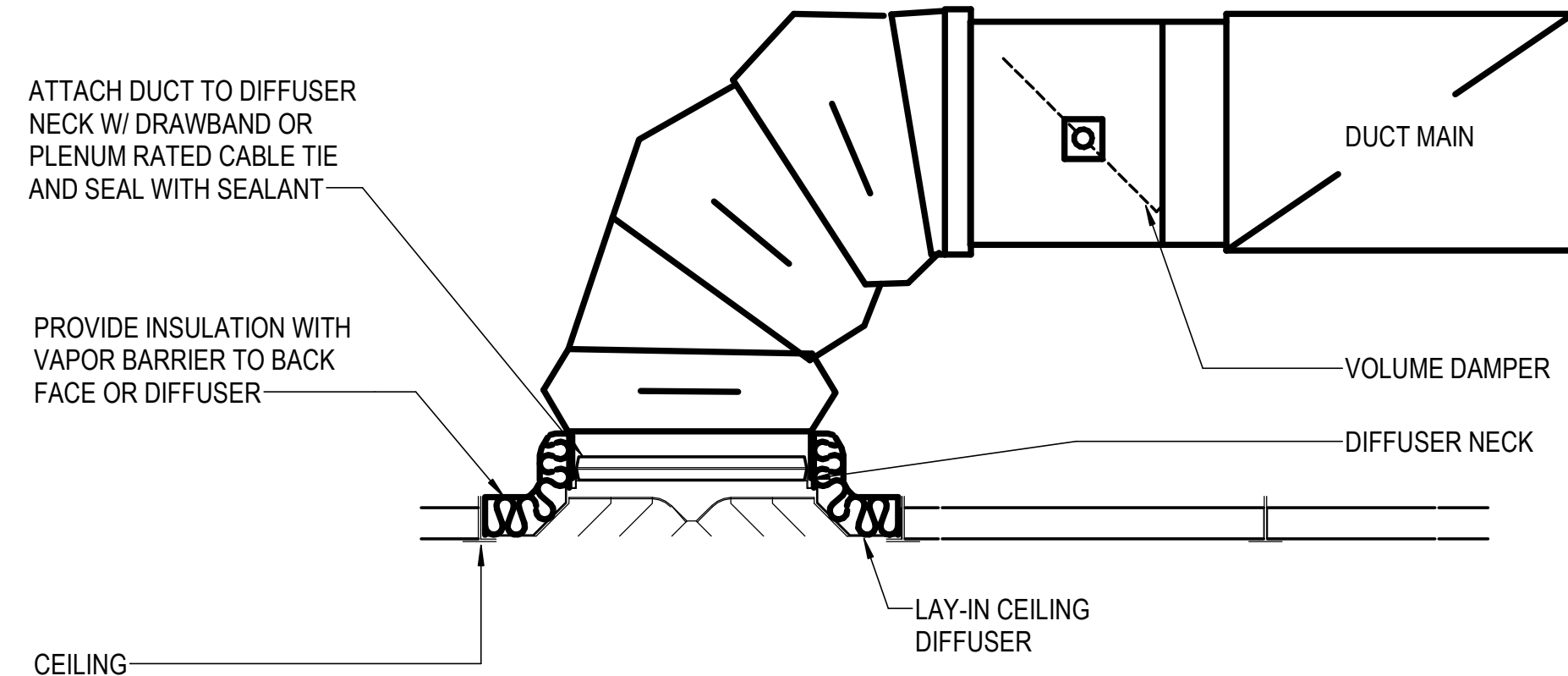
CEILING DIFFUSER INSTALLATION DETAIL

NO SCALE



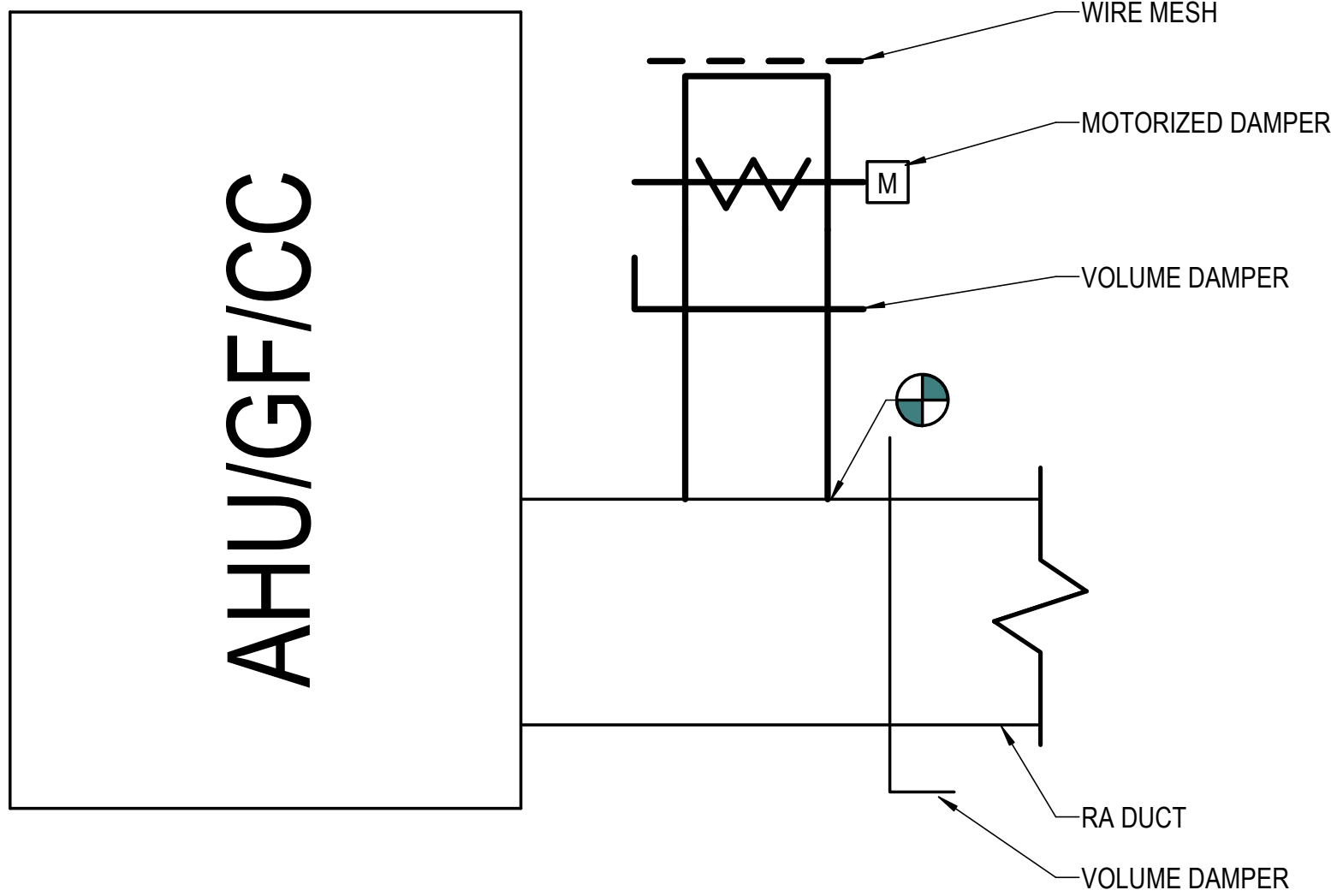
TYPICAL INSTALLATION DETAIL

NO SCALE



LAY-IN SUPPLY DIFFUSER DETAIL

NO SCALE



OA INTAKE DETAIL

NO SCALE

GF/CC & HP SEQUENCE OF OPERATION

THE UNIT SHALL BE CONTROLLED BY A 7-DAY PROGRAMMABLE THERMOSTAT WHICH WILL INITIATE "OCCUPIED" MODE, "UNOCCUPIED" MODE, AND ACCOMPLISH SEQUENCES SPECIFIED BELOW.

COOLING OCCUPIED: WHEN THE UNIT IS INDEXED TO COOLING THE SUPPLY AIR FAN SHALL ENERGIZE AND RUN CONTINUOUSLY FOR THE DURATION OF OCCUPIED HOURS. THE SPACE THERMOSTAT SHALL STAGE COOLING COMPRESSORS TO MAINTAIN "OCCUPIED" SPACE TEMPERATURE SETPOINT (74°F ADJUSTABLE). THE MOTORIZED DAMPER FOR THE OUTSIDE AIR SHALL OPEN TO MINIMUM POSITION.

COOLING UNOCCUPIED: THE THERMOSTAT SHALL CYCLE SUPPLY AIR FAN AND STAGE THE COMPRESSORS TO MAINTAIN SPACE SETBACK SETPOINT (79°F ADJUSTABLE). THE MOTORIZED OUTSIDE AIR DAMPER SHALL FULLY CLOSE.

HEATING OCCUPIED: WHEN THE UNIT IS INDEXED TO HEATING THE SUPPLY AIR FAN SHALL ENERGIZE AND RUN CONTINUOUSLY FOR DURATION OF OCCUPIED HOURS. THERMOSTAT SHALL MODULATE THE GAS BURNER TO MAINTAIN SPACE TEMPERATURE SETPOINT (70°F ADJUSTABLE). THE MOTORIZED DAMPER FOR THE OUTSIDE AIR SHALL OPEN TO MINIMUM POSITION.

HEATING UNOCCUPIED: WHEN THE THERMOSTAT HAS BEEN INDEXED TO UNOCCUPIED, THE THERMOSTAT SHALL CYCLE THE SUPPLY AIR FAN AND MODULATE THE GAS BURNER TO MAINTAIN SPACE SETBACK SETPOINT (67°F ADJUSTABLE). THE MOTORIZED OUTSIDE AIR DAMPER SHALL FULLY CLOSE.

VENTILATION: DURING OCCUPIED MODE, OUTSIDE AIR DAMPER SHALL BE OPEN TO MINIMUM POSITION. IN UNOCCUPIED MODE DAMPER SHALL BE CLOSED.

SPLIT SYSTEM HEAT PUMP UNIT SEQUENCE OF OPERATIONS

SPLIT SYSTEM HEAT PUMP UNIT (AHU/HP):

HEAT PUMP UNIT CONTROL: THE UNIT SHALL BE CONTROLLED BY A 7-DAY PROGRAMMABLE THERMOSTAT/HUMIDISTAT WHICH WILL INITIATE "OCCUPIED" AND "UNOCCUPIED" MODE.

COOLING OCCUPIED: WHEN THE UNIT IS INDEXED TO OCCUPIED MODE OR OVERRIDE PROGRAM IS INITIATED, THE SUPPLY AIR FAN SHALL ENERGIZE AND RUN CONTINUOUSLY FOR THE DURATION OF OCCUPIED HOURS. THE SPACE THERMOSTAT SHALL STAGE COOLING COMPRESSOR(S) TO MAINTAIN "OCCUPIED" SPACE TEMPERATURE SETPOINT (75°F ADJUSTABLE). MOTORIZED OUTSIDE AIR DAMPER SHALL BE OPEN.

COOLING UNOCCUPIED: WHEN THE UNIT IS INDEXED TO UNOCCUPIED MODE, THE THERMOSTAT SHALL CYCLE SUPPLY AIR FAN AND STAGE THE COMPRESSORS TO MAINTAIN SPACE SETBACK SETPOINT (78°F ADJUSTABLE). MOTORIZED OUTSIDE AIR DAMPER SHALL BE CLOSED.

HEATING OCCUPIED: WHEN THE UNIT IS INDEXED TO OCCUPIED MODE OR OVERRIDE PROGRAM IS INITIATED, THE SUPPLY AIR FAN SHALL ENERGIZE AND RUN CONTINUOUSLY FOR DURATION OF OCCUPIED HOURS. THERMOSTAT WILL CYCLE STAGES OF ELECTRIC HEAT TO MAINTAIN SPACE TEMPERATURE SET POINT (68°F ADJUSTABLE). ONCE SETPOINT TEMPERATURE HAS BEEN ACHIEVED, THE OPPOSITE SHALL OCCUR. MOTORIZED OUTSIDE AIR DAMPER SHALL OPEN.

HEATING UNOCCUPIED: WHEN THE UNIT HAS BEEN INDEXED TO UNOCCUPIED MODE, THE THERMOSTAT SHALL CYCLE THE SUPPLY AIR FAN AND ELECTRIC HEAT TO MAINTAIN SPACE SETBACK SETPOINT (65°F ADJUSTABLE). MOTORIZED OUTSIDE AIR DAMPER SHALL BE CLOSED.

EXHAUST FAN: EXHAUST FAN OPERATION SHALL BE INTERLOCKED WITH GF/CC-3 OPERATION.

DUCTLESS SPLIT SYSTEM:

COOLING: UNIT SHALL BE CONTROLLED BY THE MANUFACTURERS INTEGRAL THERMOSTAT. WHEN THE SPACE TEMPERATURE RISES ABOVE THE COOLING SETPOINT (75°F), THE THERMOSTAT SHALL ENERGIZE THE DSS UNITS AND ENERGIZE THE INDOOR UNIT SUPPLY FAN. WHEN THE SPACE TEMPERATURE DROPS BELOW THE THERMOSTAT SETPOINT, THE OPPOSITE SHALL OCCUR.

HEATING: UPON A FALL IN SPACE TEMPERATURE BELOW HEATING SETPOINT (68°F), THE THERMOSTAT SHALL ENERGIZE THE INDOOR UNIT SUPPLY FAN AND OUTDOOR COMPRESSORS. UPON A FURTHER DROP IN TEMPERATURE, THE UNITS ELECTRIC HEATING COIL SHALL BE ENERGIZED. UPON A RISE IN SPACE TEMPERATURE ABOVE HEATING SETPOINT, THE OPPOSITE SHALL OCCUR.

DUCTLESS SPLIT SYSTEM HEAT PUMP SCHEDULE

DUCTLESS SPLIT SYSTEM HEAT PUMP SCHEDULE																			
INDOOR TAG	LOCATION	COOLING DATA			FAN DATA		HEATING DATA			ELECTRIC DATA INDOOR UNIT				OUTDOOR TAG	ELECTRIC DATA OUTDOOR UNIT				REMARKS
		TOTAL COOLING CAPACITY M.B.H.	COIL E.A.T.		SUPPLY AIR C.F.M.	MOTOR WATTS	TOTAL M.B.H	COP	E.A.T. (°F)	M.C.A.	M.O.C.P.	VOLTS	PHASE		M.C.A.	M.O.C.P.	VOLTS	PHASE	
			°F D.B.	°F W.B.															
DSS-1A	121-IT ROOM	24.0	75.0	63.0	705	56	26.0	2.6	70.0	1.0	15.0	208	1	DSS-1B	18.0	30.0	208	1	SEE NOTES

NOTES:

- SELECTIONS BASED ON MITSUBISHI ELECTRIC PKA SERIES.
- COOLING CAPACITY BASED ON 95° F AMBIENT.
- PROVIDE INDOOR UNIT WITH COIL FREEZE PROTECTION, REMOTE MOUNTED THERMOSTAT, HIGH SIDE WALL CASSETTE CONFIGURATION.
- INDOOR UNIT POWERED FROM OUTDOOR UNIT. IF AN ALTERNATE UNIT IS PROVIDED THAT REQUIRES SEPARATE POWER CONNECTIONS, ELECTRICAL CONTRACTOR TO PROVIDE: ALL ADDITIONAL DISCONNECTS, BREAKERS, WIRING, ETC...
- PROVIDE OUTDOOR UNIT WITH LOW AMBIENT CONTROL.

GRILLE, REGISTER & DIFFUSER SCHEDULE

TAG	TYPE	SERVICE	C.F.M. RANGE	NECK SIZE	MAX. P.D.	MODEL NUMBER	REMARKS
A	DIFFUSER	SUPPLY	40-120	6"Ø	0.1	TDC-AA	2'X2', LAY-IN, ADJUSTABLE, LOUVERED FACE
B	DIFFUSER	SUPPLY	125-275	8"Ø	0.1	TDC-AA	2'X2', LAY-IN, ADJUSTABLE, LOUVERED FACE
C	GRILLE	SUPPLY	55-85	12"x6"	0.1	300FL	SURFACE MOUTED, 35° DEFLECTION, 3/4" SPACING
W	GRILLE	RETURN	2160	48"x18"	0.1	350FL	SURFACE MOUTED, 35° DEFLECTION, 3/4" SPACING
X	EXISTING TO REMAIN, BALANCE TO AIRFLOWS INDICATED						
Z	GRILLE	RETURN	900 - 1500	22"x22"	0.1	350FL	2'x2' LAY IN, 35° DEFLECTION, 3/4" SPACING

THE FOLLOWING NOTES ARE TYPICAL UNLESS OTHERWISE NOTED:

- SELECTIONS BASED ON TITUS.
- PROVIDE ALUMINUM DIFFUSERS AND REGISTERS WITH OPPOSED BLADE VOLUME DAMPERS, BAKED STANDARD WHITE ENAMEL FINISH (INCLUDING HEAD OF SCREWS), MAXIMUM NC-25 AT HIGHEST CFM AND PROVIDE SQUARE TO ROUND TRANSITION AS REQUIRED.
- PROVIDE 4-WAY PATTERN CEILING DIFFUSERS, U.O.N. ON PLANS OR SCHEDULE.
- MAXIMUM PRESSURE DROP SHALL INCLUDE VOLUME DAMPER WHERE DAMPER IS PROVIDED.

FAN SCHEDULE

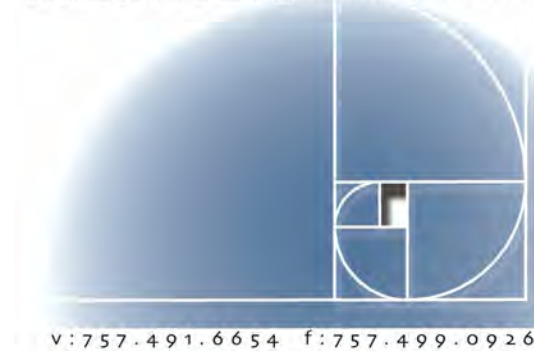
TAG	LOCATION	FAN TYPE	C.F.M.	E.S.P. (IN. WG.)	MAX SONES	DRIVE	ELECTRICAL DATA			MODEL NO.	REMARKS
EF-1	114 - MEN'S RR	CABINET CEILING	200	0.5	1.5	DIRECT	WATTS	VOLTS	PHASE	SP	SEE NOTES
EF-2	115 - WOMEN'S RR	CABINET CEILING	150	0.5	1.5	DIRECT	80	115	1	SP	SEE NOTES

NOTES:

- SELECTIONS BASED ON GREENHECK.
- PROVIDE DIRECT DRIVE FANS WITH ELECTRONIC SPEED CONTROLLER.
- PROVIDE CABINET CEILING FANS WITH CHATTERPROOF BDD, INTEGRAL ELECTRICAL DISCONNECT, DUCT FLANGE, AND INTEGRAL OFF-WHITE ALUMINUM INTAKE GRILLE. PROVIDE WITH MANUFACTURER'S WALL CAP, REFER TO PLAN NOTES.

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DETAILS AND SCHEDULES

M601



MECHANICAL SPECIFICATION

PART 1 - GENERAL

1.1 CODES AND STANDARDS: THE LATEST EFFECTIVE PUBLICATIONS OF ALL APPLICABLE STANDARDS, CODES, ETC., AS THEY APPLY, FORM PART OF THESE SPECIFICATIONS AS IF WERE WRITTEN FULLY HEREIN AND CONSTITUTE MINIMUM REQUIREMENTS. THE FOLLOWING WILL BE REFERRED TO THROUGHOUT IN ABBREVIATED FORMS.

A. NATIONAL ELECTRICAL CODE, (NFPA 70) (NEC).

B. AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS (ASHRAE).

C. RULES AND REGULATIONS OF LOCAL GAS UTILITY COMPANY.

D. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA).

E. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).

F. APPLICABLE LOCAL CODES.

G. UNDERWRITER'S LABORATORIES, INC. (UL).

H. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).

I. UNIFIED FACILITIES CRITERIA (UFC)

1.2 SCOPE OF WORK: PROVIDE ALL WORK REQUIRED FOR THIS DIVISION INCLUDING ALL LABOR, MATERIALS, EQUIPMENT, APPURTENANCES AND SERVICES TO PROVIDE COMPLETE MECHANICAL SYSTEMS AS SHOWN ON THE DRAWINGS AND SPECIFIED IN THIS DIVISION OF THE SPECIFICATIONS. THE WORD "PROVIDE" SHALL MEAN "FURNISH AND INSTALL COMPLETE AND READY FOR USE".

1.3 SITE REVIEW: THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO DETERMINE THE EXTENT OF THE WORK. LACK OF KNOWLEDGE OF EXISTING CONDITIONS WILL NOT BE CONSIDERED A BASIS FOR CHANGE ORDERS. PRIOR TO ORDERING EQUIPMENT, VERIFY THAT EQUIPMENT TO BE PROVIDED UNDER THIS CONTRACT IS ACCEPTABLE, CAN FIT INTO BUILDING AND ROOM. EXPENSE INCURRED BY THE CONTRACTOR, WHICH IN THE ENGINEER'S OPINION COULD HAVE BEEN AVOIDED BY THIS STEP, SHALL NOT BE A BASIS FOR CHANGE ORDERS.

1.4 DRAWINGS AND SPECIFICATIONS: THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT, CHARACTER AND ARRANGEMENT OF EQUIPMENT, FIXTURES AND PIPING SYSTEMS. IT IS THE INTENTION OF THESE SPECIFICATIONS AND DRAWINGS TO FULLY COVER ALL WORK AND MATERIALS FOR A COMPLETE, FIRST-CLASS MECHANICAL INSTALLATION, AND ANY DEVICES USUALLY EMPLOYED IN THIS CLASS OF WORK, THOUGH NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS OR IN THIS SPECIFICATION, BUT WHICH MAY BE NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AS A PART OF HIS TOTAL WORK UNDER THIS DIVISION. CONSULT THE SPECIFICATIONS AND DRAWINGS OF ALL OTHER TRADES AND PERFORM ALL MECHANICAL WORK REQUIRED THEREIN. COOPERATE WITH ALL OTHER CONTRACTORS OR SUBCONTRACTORS TO FURNISH COMPLETE WORKABLE SYSTEMS.

1.5 WARRANTY: PROVIDE A WRITTEN WARRANTY FOR A PERIOD OF 12 MONTHS AGAINST DEFECTIVE WORKMANSHIP AND MATERIAL AFTER FINAL ACCEPTANCE AT NO ADDITIONAL COST TO THE OWNER.

1.6 AS-BUILTS: DURING CONSTRUCTION, KEEP AN ACCURATE RECORD OF ALL DEVIATIONS BETWEEN THE WORK AS SHOWN ON THE CONTRACT DRAWINGS AND THAT WHICH IS ACTUALLY INSTALLED ON A SET OF BLUE LINE PRINTS OF THE MECHANICAL DRAWINGS, AND NOTE CHANGES THEREON WITH RED MARKS, IN A NEAT AND ACCURATE MANNER. WHEN ALL REVISIONS HAVE BEEN SHOWN ON THESE PRINTS TO INDICATE THE WORK AS FINALLY INSTALLED, THE PRINTS SHALL BE DELIVERED TO THE ENGINEER, BEFORE FINAL PAYMENT.

1.7 TESTS: THE RIGHT IS RESERVED TO INSPECT AND TEST ANY PORTION OF THE INSTALLATION/EQUIPMENT DURING THE PROGRESS OF ITS INSTALLATION. THIS CONTRACTOR SHALL TEST THE ENTIRE HVAC SYSTEM FOR A PERIOD OF 72 HOURS PRIOR TO OCCUPANCY. TEST, ADJUST AND BALANCE SYSTEMS AS REQUIRED AND RECOMMENDED BY MANUFACTURERS.

1.8 PERMITS AND INSPECTIONS: SECURE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS. INSPECTION CERTIFICATES FROM LOCAL AUTHORITIES HAVING JURISDICTION SHALL BE DELIVERED TO THE OWNER BEFORE FINAL PAYMENT.

1.9 SUBMITTALS: SUBMIT SHOP DRAWINGS, PRODUCT DATA AND SAMPLES WITHIN THIRTY (30) DAYS OF AWARD OF CONTRACT AND IN ACCORDANCE WITH THE GENERAL CONDITIONS AND SUPPLEMENTARY CONDITIONS. SUBMITTALS ARE REQUIRED FOR ALL ITEMS PROVIDED UNDER THIS SPECIFICATION. REVIEW OF SUBMITTALS BY THE ENGINEER AND ANY ASSOCIATED ACTION TAKEN BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF ANY REQUIREMENTS SET FORTH BY THE CONTRACT DOCUMENTS. INCOMPLETE SUBMITTALS SHALL NOT BE REVIEWED.

A. SHOP DRAWINGS AND PRODUCT DATA: OBTAIN APPROVED SHOP DRAWINGS SHOWING EQUIPMENT, CAPACITY, MANUFACTURER'S RECOMMENDATIONS AND HOOKUP DETAILS. FROM OTHER INVOLVED CONTRACTORS FOR ALL EQUIPMENT AND COMPLY THEREWITH.

B. TESTS AND REPORTS: PRIOR TO SUBSTANTIAL COMPLETION, SUBMIT TESTING, ADJUSTING AND BALANCING REPORT FOR REVIEW. AN APPROVED TAB REPORT MUST BE RETURNED FROM THE ENGINEER PRIOR TO SUBSTANTIAL COMPLETION.

1.10 SCHEDULE OF WORK: THE SCHEDULE OF THE MECHANICAL WORK SHALL BE ARRANGED TO SUIT THE PROGRESS OF WORK BY THE OTHER TRADES AND SHALL IN NO WAY RETARD PROGRESS OF CONSTRUCTION OF THE PROJECT. SEE ARCHITECTURAL SHEETS FOR PHASING PLAN.

1.11 STORAGE AND MATERIAL: SPACE WILL BE ASSIGNED TO THE CONTRACTOR BY THE OWNER FOR THE STORAGE OF MATERIALS. THIS CONTRACTOR WILL BE RESPONSIBLE FOR THE PROTECTION AND SAFEKEEPING OF MATERIALS, TOOLS, AND EQUIPMENT. ALL MATERIALS AND EQUIPMENT SHALL BE KEPT IN ITS ASSIGNED PLACE UNTIL THE TIME OF ITS INSTALLATION. EXCESS MATERIALS, DIRT AND REFUSE SHALL BE PROMPTLY REMOVED FROM THE WORK SITE.

1.12 PROVIDE ALL MATERIALS, TOOLS, LABOR, AND OTHER RELATED ITEMS TO COMPLETE ALL WORK, INCLUDING CONNECTIONS TO ALL EQUIPMENT IN ACCORDANCE WITH THE LOCAL BASIC MECHANICAL CODES.

1.13 LABELING OF EQUIPMENT: ALL HVAC EQUIPMENT SHALL BE IDENTIFIED BY MACHINE ENGRAVED LAMINATED PLASTIC DESIGNATION PLATES PERMANENTLY ATTACHED THERETO WITH SELF-TAPPING SCREWS OR RIVETS. ALL PARTS OF EACH ITEM OF EQUIPMENT OR DEVICE SHALL BEAR THE MANUFACTURER'S NAMEPLATE, GIVING NAME OF MANUFACTURER, DESCRIPTION, SIZE, TYPE, SERIAL AND MODEL NUMBER AND ELECTRICAL CHARACTERISTICS IN ORDER TO FACILITATE MAINTENANCE OR REPLACEMENT.

1.14 THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR, AND BE REQUIRED TO MAKE GOOD AT HIS OWN EXPENSE, ANY AND ALL DAMAGES TO ANY WORK OR MATERIALS IN PLACE ON THE PREMISES, OR INCLUDED IN THIS CONTRACT, DURING THE EXECUTION OF HIS CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF OCCUPIED SPACE AT THE COMPLETION OF EACH WORK PERIOD, COMPLETING CLEAN-UP IN TIME TO NOT CAUSE INTERFERENCE WITH NORMAL OPERATIONS.

1.15 OPERATIONS AND MAINTENANCE MANUALS: PROVIDE TO OWNER IN 3-RING BINDER AT PROJECT COMPLETION: MANUFACTURER'S OPERATION AND MAINTENANCE MANUALS, WARRANTIES (EQUIPMENT), WARRANTY (CONTRACTOR), TAB REPORT, RECORD DRAWINGS. INDICATE DATE OF INSTALLATION, NAMES AND PHONE NUMBERS OF GENERAL CONTRACTOR, INSTALLING CONTRACTOR, LOCAL MANUFACTURER'S REPRESENTATIVE, AND CONTACT FOR SERVICE.

PART 2 - PRODUCTS

2.1 MANUFACTURING STANDARDS: MATERIALS SHALL BE NEW AND APPROVED AND LABELED BY ASME, ASHRAE, UL, ETC. WHEREVER STANDARDS HAVE BEEN ESTABLISHED BY THAT AGENCY. DEFECTIVE EQUIPMENT OR EQUIPMENT DAMAGED IN THE COURSE OF INSTALLATION OR TEST SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING THE APPROVAL OF THE OWNER. ALL ITEMS OF THE SAME TYPE SHALL BE IDENTICAL.

2.2 TRADE NAMES: UNLESS SPECIFICALLY IDENTIFIED OTHERWISE, MANUFACTURERS' NAMES AND CATALOG NUMBERS INDICATED HEREIN AND ON THE DRAWINGS ARE NOT INTENDED TO BE PROPRIETARY DESIGNATIONS. THEY ARE TO INDICATE GENERAL TYPE AND QUALITY OF MATERIALS AND EQUIPMENT REQUIRED. EQUIPMENT AND MATERIALS BY OTHER MANUFACTURERS WHICH IN THE OPINION OF THE ENGINEER ARE OF EQUAL QUALITY AND WHICH WILL PRODUCE THE SAME RESULTS WILL BE CONSIDERED ACCEPTABLE.

2.3 DUCT INSULATION:

A. FACED FLEXIBLE GLASS FIBER DUCT INSULATION SHALL HAVE A FIRE RETARDANT, REINFORCED FOIL/KRAFT VAPOR BARRIER FACING AND SHALL BE EQUAL TO OWENS-CORNING FIBERGLASS FACED DUCT WRAP SOFTR SERIES TYPE 100. INSULATION SHALL HAVE A NOMINAL THICKNESS OF 2 INCHES AND A THERMAL CONDUCTIVITY OF APPROXIMATELY 0.27 AT 75 DEGREES F. INSULATION SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS AS TESTED IN ACCORDANCE WITH ASTM E-84.

B. FACED RIGID GLASS FIBER DUCT INSULATION SHALL HAVE A FIRE RETARDANT, REINFORCED FOIL/KRAFT VAPOR BARRIER FACING AND SHALL BE EQUAL TO JOHNS MANVILLE 800 SERIES SPIN-GLAS. INSULATION SHALL HAVE A NOMINAL THICKNESS OF 1-1/2 INCHES, A THERMAL CONDUCTIVITY OF APPROXIMATELY 0.23 AT 75 DEGREES F, AND A DENSITY OF 2 - 3 POUNDS PER CUBIC FOOT. INSULATION SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS AS TESTED IN ACCORDANCE WITH ASTM E-84.

2.4 FLEXIBLE DUCTWORK: UL-181, CLASS I AND NFPA 90A, FACTORY APPLIED INSULATION, VAPOR BARRIER AND END CONNECTIONS. FLAME SPREAD = 25, SMOKE DEVELOPED = 50, SECURE WITH ADHESIVES AND METAL CLAMP. INNER CORE SHALL BE HELICALLY CORRUGATED.

2.5 DUCTWORK: SUPPLY AND RETURN DUCTWORK SHALL BE GALVANIZED STEEL CONSTRUCTED AND AS RECOMMENDED BY SMACNA. SHEET METAL GAUGES SHALL BE IN ACCORDANCE WITH LOCAL MECHANICAL CODE. PROVIDE FLEXIBLE GLASS FIBER DUCT INSULATION FOR CONCEALED LOCATIONS AND RIGID GLASS FIBER DUCT INSULATION FOR EXPOSED AREAS.

2.7 PIPE:

1. WHERE MORE THAN ONE TYPE OF MATERIAL IS LISTED FOR A SPECIFIC SYSTEM THE CONTRACTOR MAY SELECT ANY OF THE TYPES OF MATERIALS SPECIFIED FOR THAT PARTICULAR PIPING SYSTEM.

2. COPPER REFRIGERANT TUBING: PROVIDE ASTM B 280, CLEANED, DEHYDRATED, AND SEALED. PROVIDE ASME/ANSI B16.22 SOLDER JOINT REFRIGERANT FITTINGS AND ADAPTERS. PROVIDE SILVER BRAZING ALLOY SOLDER AND SILVER BRAZING ALLOY FLUX. DURING BRAZING OPERATIONS BLEED A SMALL AMOUNT OF DRY OIL-FREE NITROGEN CONTINUOUSLY THROUGH THE REFRIGERANT TUBING. PROVIDE ASME/ANSI B16.26 FLARED FITTINGS.

2.6 CONCRETE PADS: 2000 PSI CONCRETE WITH WELDED WIRE FABRIC REINFORCEMENT. PAD SHALL BE 6 INCHES LARGER THAN EQUIPMENT EACH SIDE.

2.7 EXHAUST FANS: AMCA 210 WITH AMCA SEAL. PROVIDE CENTRIFUGAL TYPE EXHAUST FANS WITH ALUMINUM HOUSING, FAN WHEEL, AND BIRD SCREEN. PROVIDE EXHAUST OPENING AND GRAVITY CLOSING TYPE AUTOMATIC BACKDRAFT DAMPERS. LEAKAGE RATING: GRAVITY (NONMOTORIZED) DAMPERS SHALL HAVE A MAXIMUM LEAKAGE RATE OF 20 CFM/SF AT 1.0 INCH WATER GAUGE (W.G.) WHEN TESTED IN ACCORDANCE WITH AMCA 500D UNLESS MORE STRINGENT CRITERIA IS REQUIRED BY THE ENERGY CONSERVATION CODE.

2.8 FLEXIBLE DUCT CONNECTORS: PROVIDE AIRTIGHT FLEXIBLE DUCT CONNECTORS AT DUCT CONNECTIONS TO EACH AIR-HANDLING UNIT, EXHAUST FAN, AND VENTILATING FAN. SUPPORT CONNECTORS AT EACH END WITH METAL ANGLE FRAME BANDS, SECURELY BOLT IN PLACE. PROVIDE NOT LESS THAN 20-OUNCE GLASS FABRIC DUCT CONNECTORS COATED ON BOTH SIDES WITH NEOPRENE.

2.9 TURNING VANES: PROVIDE FABRICATED TEES AND SQUARE ELBOWS IN ACCORDANCE WITH SMACNA DCS FOR VANED ELBOWS.

2.10 DAMPERS: PROVIDE OPPOSED BLADE ADJUSTABLE MANUAL DAMPERS WHERE INDICATED. PROVIDE DAMPER SHAFTS WITH 2-INCH STANDOFFS TO CLEAR 2 INCHES OF DUCT INSULATION WITH BEARINGS AT BOTH ENDS OF THE SHAFTS. PROVIDE ADJUSTMENT QUADRANT WITH INDICATOR AND LOCKING DEVICES. PROVIDE GALVANIZED STEEL DAMPERS ONE GAGE HEAVIER THAN DUCT IN WHICH DAMPERS ARE INSTALLED.

2.11 DIFFUSERS, REGISTERS, AND GRILLES: PROVIDE FACTORY-FABRICATED METAL UNITS WITH EDGES ROLLED OR ROUNDED WHERE EXPOSED TO VIEW, AND FACTORY PRIMED WITH WHITE ENAMEL FINISH. PROVIDE EACH DIFFUSER AND REGISTER WITH FACTORY-FABRICATED, GROUP-OPERATED, ADJUSTABLE, OPPOSED-BLADE, AIR-VOLUME-CONTROL DAMPERS, KEY OR SCREWDRIVER OPERATED FROM THE FACE OF UNIT. PROVIDE EACH UNIT WITH RUBBER OR PLASTIC INSTALLATION GASKETS.

2.12 REFRIGERANT VALVES: ASME/ANSI B31.5, AND SHALL BE COPPER ALLOY. PROVIDE VALVES IN EACH SYSTEM FOR SERVICING AND FOR ISOLATING SYSTEM COMPONENTS IN COMPLIANCE WITH ASHRAE 15.

2.13 CONDENSATE DRAIN PIPING: COPPER TUBING, ASTM B88, HARD DRAWN, TYPE L. PIPE FITTINGS: ANSI B16.22, WROUGHT COPPER. SOLDER METAL: ASTM B32, 95-5. INSULATION: 1/2" THICK FIBERGLASS WITH ALL SERVICE JACKET INCLUDING SELF SEALING SYSTEM OR 1/2" THICK FLEXIBLE ELASTOMERIC CLOSED CELL TYPE.

2.14 ELECTRICAL REQUIREMENTS:

A. WIRING AND ELECTRICAL EQUIPMENT FROM SOURCE UP TO AND INCLUDING JUNCTION BOX OR CIRCUIT BREAKER SHALL BE BY ELECTRICAL CONTRACTOR.

B. EXCEPT AS OTHERWISE DETAILED OR SPECIFIED, ALL INTERCONNECTING POWER WIRING REQUIRED TO OPERATE ELECTRICAL DEVICES AND EQUIPMENT FURNISHED IN THIS DIVISION WILL BE PROVIDED UNDER DIVISION 26.

C. ALL CONTROLLERS, MOTORS, STARTERS, AND INDIVIDUAL COMPONENT FUSIBLE PROTECTION FOR ALL ACCESSORY EQUIPMENT IN ACCORDANCE WITH NEC, ETC. SHALL BE AS SPECIFIED UNDER DIVISION 26 OF THE SPECIFICATIONS AND FURNISHED WITH EQUIPMENT UNDER THIS DIVISION. STARTERS AND CONTROLLERS THAT ARE NOT MOUNTED ON THE EQUIPMENT SHALL BE TURNED OVER TO THE ELECTRICAL CONTRACTOR FOR INSTALLATION.

D. DISCONNECT SWITCHES SHALL BE PROVIDED UNDER DIVISION 26 UNLESS SPECIFIED IN THE MECHANICAL AND PLUMBING SPECIFICATIONS AS INTEGRAL WITH EQUIPMENT.

E. REQUIREMENTS FOR ELECTRICAL APPARATUS, DEVICES, CONTROLS, ETC. FURNISHED IN THIS DIVISION SHALL CONFORM TO DIVISION 26.

F. CONTROL AND INTERLOCK, WIRING AND CONDUIT REQUIRED FOR ELECTRICAL DEVICES AND EQUIPMENT FURNISHED IN THIS DIVISION WILL BE PROVIDED UNDER THIS DIVISION.

PART 3 - EXECUTION

3.1 SCHEDULING: WORK UNDER THIS DIVISION SHALL PROCEED IN ADVANCE OF THE WORK OF OTHERS WHENEVER POSSIBLE, ELIMINATING ALL CUTTING AND PATCHING. WHEN SUCH PROCEDURE IS IMPOSSIBLE, CUTTING AND PATCHING SHALL BE DONE IN AN APPROVED MANNER. CUTTING SHALL NOT ENDANGER STRUCTURAL INTEGRITY IN ANY WAY. PATCHING SHALL EXACTLY MATCH CONTIGUOUS WORK. ACTUAL WORK OF CUTTING AND PATCHING OF EXISTING SURFACES SHALL BE PERFORMED BY THE SUBCONTRACTOR WHO ORIGINALLY PREPARED THESE SURFACES. E.G., CUTTING AND PATCHING OF MASONRY WALL WILL BE PERFORMED BY THE MASONRY SUBCONTRACTOR. COSTS OF SUCH CUTTING AND PATCHING SHALL BE BORNE BY THE MECHANICAL SUBCONTRACTOR. CUTTING SHALL BE CAREFULLY DONE AND DAMAGE TO BUILDING, PIPING, WIRING OR EQUIPMENT AS A RESULT OF CUTTING SHALL BE REPAIRED BY SKILLED MECHANICS OF TRADE INVOLVED.

3.2 COORDINATION: COOPERATE AND COORDINATE EFFORTS WITH ALL CONTRACTORS ON THE PROJECT. THIS IS ESPECIALLY IMPORTANT IN DETERMINING EXACT LOCATIONS OF ALL DIFFUSERS, REGISTERS, GRILLES, DUCTWORK AND FANS. ARRANGE AIR INLETS AND OUTLETS IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLANS UNLESS OTHERWISE INDICATED. COORDINATE LIGHTING FIXTURE LOCATIONS WITH GRILLES, DIFFUSERS, ACCESS PANELS, ETC. VERIFY CEILING AND WALL CONSTRUCTION AND MATERIAL PRIOR TO ORDERING EQUIPMENT OR OTHER DEVICES TO ENSURE PROPER DEVICE IS FURNISHED TO MATCH CONSTRUCTION. THIS VERIFICATION MUST BE EXECUTED REGARDLESS OF INFORMATION PLACED ON THE DRAWINGS. ANY COST INCURRED WHICH IN THE OPINION OF THE OWNER, COULD HAVE BEEN AVOIDED BY THIS STEP SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.

3.3 GUARANTEE OF WORK: CONTRACTOR GUARANTEES BY HIS ACCEPTANCE OF THE CONTRACT THAT ALL WORK INSTALLED IS FREE FROM ANY AND ALL DEFECTS IN WORKMANSHIP AND/OR MATERIALS, AND THAT THE APPARATUS WILL DEVELOP CAPACITIES AND CHARACTERISTICS SPECIFIED, AND THAT IF, DURING THE PERIOD OF ONE YEAR OR AS OTHERWISE SPECIFIED, FROM DATE OF CERTIFICATE OF COMPLETION AND ACCEPTANCE OF THE WORK ANY SUCH DEFECTS IN WORKMANSHIP MATERIAL OR PERFORMANCE APPEAR, HE WILL, WITHOUT COST TO THE OWNER, REMEDY SUCH DEFECTS WITHIN A REASONABLE TIME TO BE SPECIFIED IN NOTICE. IN DEFAULT THEREOF, THE OWNER MAY HAVE SUCH WORK DONE AND CHARGE COST TO CONTRACTOR. EQUIPMENT GUARANTEES FROM DATE OF "START-UP" WILL NOT BE RECOGNIZED.

3.4 INSULATION: INSTALL DUCT AND PIPE INSULATION AFTER TESTING IS COMPLETE.

3.5 FIELD COORDINATION: THE EXACT LOCATION OF PIPES WILL BE DETERMINED BY THE CONTRACTOR AFTER THE WORKING PLANS ARE MADE TO AVOID INTERFERENCE WITH DUCTS, LIGHTING FIXTURES AND PIPING.

3.6 PERFORMANCE TESTING: BEFORE FINAL ACCEPTANCE OF THE WORK, TEST EACH SYSTEM AS IN SERVICE TO DEMONSTRATE COMPLIANCE WITH THESE DRAWINGS AND TESTING AS SPECIFIED IN THE LOCAL MECHANICAL CODE.

3.7 CODE INSTALLATION: EQUIPMENT WHICH IS REQUIRED BY CODE OR IS SPECIFIED TO HAVE UL OR SIMILAR LISTING, SHALL BE INSTALLED AS REQUIRED TO MEET THAT LISTING.

3.8 TAB: BALANCE AIR SIDE SYSTEMS RELATED TO SCOPE OF WORK. CERTIFIED BALANCE REPORTS SHALL BE FURNISHED TO THE ENGINEER FOR REVIEW AND APPROVAL. REPORT FORMAT AND PROCEDURE SHALL BE IN ACCORDANCE WITH AABC OR NEBB REQUIREMENTS BY AN AABC OR NEBB CERTIFIED PROFESSIONAL.

A. WITHIN 90 DAYS OF COMPLETING TAB, PERFORM ADDITIONAL TAB TO VERIFY THAT BALANCED CONDITIONS ARE BEING MAINTAINED THROUGHOUT AND TO CORRECT UNUSUAL CONDITIONS.

3.9 ROOF PENETRATIONS: (AND EQUIPMENT INSTALLATIONS) SHALL BE IN ACCORDANCE WITH ROOFING MANUFACTURER SO AS NOT TO VOID ROOF WARRANTY.

3.10 CONDENSATE TRAPS: PROVIDE TRAPPED CONDENSATE DRAINS ON AIR HANDLING UNITS.

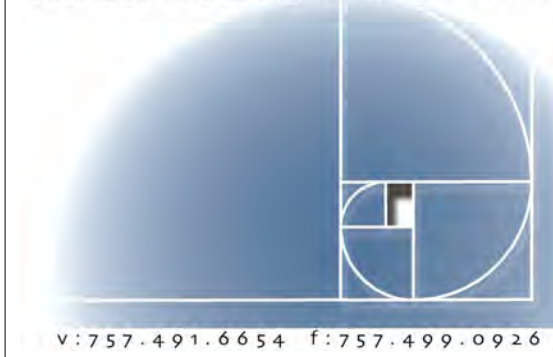
3.11 CONCEAL INSTALLATIONS: RUN PIPES AND DUCTWORK ABOVE CEILINGS IN ROOMS WITH CEILINGS. RUN EXPOSED PIPES AS HIGH AS POSSIBLE, IN STRAIGHT LINES PARALLEL OR PERPENDICULAR TO STRUCTURE AND/OR WALLS.

3.12 PIPE HANGERS AND SUPPORTS
A. INSTALL HANGERS FOR DRAWN-TEMPER COPPER PIPING WITH THE FOLLOWING MAXIMUM SPACING AND MINIMUM ROD SIZES:
1. NPS 3/4: MAXIMUM SPAN, 5 FEET; MINIMUM ROD SIZE, 1/4 INCH.
B. PLASTIC PIPING HANGER SPACING: SPACE HANGERS ACCORDING TO PIPE MANUFACTURER'S WRITTEN INSTRUCTIONS FOR SERVICE CONDITIONS. AVOID POINT LOADING. SPACE AND INSTALL HANGERS WITH THE FEWEST PRACTICAL RIGID ANCHOR POINTS.
C. SUPPORT VERTICAL RUNS AT ROOF, AT EACH FLOOR, AND AT 10-FOOT INTERVALS BETWEEN FLOORS.

RECORD
DRAWINGS
2023.11.30

INTERIOR RENOVATIONS
USO FORT BENNING - BLDG 109
FORT BENNING, GA

COVINGTON HENDRIX ANDERSON
360 Southport Circle
Virginia Beach, VA 23462
www.covingtonhendrix.com



#21374

CHA PROJECT	21293
ISSUE DATE	11/10/2022
REVISION NO.	DATE

SPECIFICATIONS

M701



GENERAL NOTES

GENERAL: UNLESS SPECIFICALLY INDICATED OTHERWISE, ALL WORK SHOWN ON ELECTRICAL DRAWINGS IS NEW WORK TO BE PROVIDED UNDER THIS CONTRACT.

COORDINATION: COORDINATE AND COOPERATE WITH ALL TRADES ON THE PROJECT. THE CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS INCLUDING ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL COORDINATE AND ADJUST ACCORDINGLY AS DIRECTED BY THE ENGINEER.

AS-BUILT DRAWINGS: SECURE AN EXTRA SET OF ELECTRICAL DRAWINGS TO BE KEPT ON SITE AND MARK, DAILY. THE DRAWINGS IN RED AS THE PROJECT PROGRESSES IN ORDER TO KEEP AN ACCURATE RECORD OF ALL DEVIATIONS BETWEEN THE WORK SHOWN ON THE DRAWINGS AND THE WORK WHICH IS ACTUALLY INSTALLED. THESE MARKED DRAWINGS SHALL REFLECT ANY AND ALL CHANGES AND REVISIONS TO THE ORIGINAL DESIGN WHICH EXISTS IN THE COMPLETED WORK. DELIVER THE MARKED DRAWINGS TO THE ENGINEER AT PROJECT CLOSE-OUT.

TESTS: TEST ALL WIRING FOR CONTINUITY AND GROUNDS BEFORE CONNECTING ANY FIXTURES OR DEVICES. PERFORM INSULATION RESISTANCE TESTS ON ALL WIRING #6 OR LARGER TO ENSURE THAT ALL PORTIONS ARE FREE FROM SHORT-CIRCUITS AND GROUNDS.

INSPECTIONS: ARRANGE ALL NECESSARY INSPECTIONS. DELIVER ALL REQUIRED INSPECTION CERTIFICATES TO THE OWNER.

GROUNDING: PROVIDE GROUNDING IN ACCORDANCE WITH THE NEC FOR THE ENTIRE ELECTRICAL SYSTEM INCLUDING EQUIPMENT FRAMES, CONDUITS, SWITCHES, CONTROLLERS, WIRE-WAYS, NEUTRAL CONDUCTORS, AND OTHER EQUIPMENT. PROVIDE A GROUNDING CONDUCTOR IN ALL POWER CONDUITS.

LABELS: PROVIDE LABELS FOR ALL PANELBOARDS, CABINETS, SAFETY SWITCHES, MOTOR-DISCONNECT SWITCHES, AND MOTOR CONTROLLERS. LABELS SHALL BE MACHINE ENGRAVED, LAMINATED PLASTIC, PERMANENTLY ATTACHED WITH SELF-TAPPING SCREWS OR RIVETS. DO NOT USE SELF-ADHESIVE LABELS. LABEL SHALL INDICATE EQUIPMENT DESIGNATION AND ASSOCIATED PANEL AND CIRCUIT THAT SERVES IT.

J-BOX LABELING: LABEL ALL JUNCTION BOXES WITH PERMANENT MARKER IDENTIFYING CIRCUIT NUMBER AND PANELBOARD OF CIRCUITS WITHIN.

WIRING DEVICES: LABEL ALL WIRING DEVICES WITH PANELBOARD AND CIRCUIT DESIGNATION PERMANENTLY ATTACHED WITH BLACK TYPED DESIGNATION ON CLEAR TAPE.

PANEL DIRECTORY: PROVIDE TYPEWRITTEN PANELBOARD DIRECTORY CARD IN EACH PANELBOARD WITH CIRCUIT LOAD INFORMATION AND ROOM NUMBER CLEARLY IDENTIFIED. USE ACTUAL ROOM NUMBERS IN THE BUILDING, NOT THE ROOM NUMBERS SHOWN ON THE CONTRACT DRAWINGS, AS THEY ARE OFTEN DIFFERENT.

MOTOR COORDINATION: MOTORS, MOTOR STARTERS, CONTROLLERS, INTEGRAL DISCONNECT SWITCHES, AND CONTACTORS SHALL BE PROVIDED WITH THEIR RESPECTIVE PIECES OF EQUIPMENT BY THE EQUIPMENT SUPPLIER. COMMUNICATE WITH THE TRADES PROVIDING THE EQUIPMENT, VERIFYING ALL REQUIREMENTS, PROVIDE ALL ELECTRICAL CONNECTIONS REQUIRED THEREIN, AND INSTALL MOTOR STARTERS.

MOTOR DISCONNECTS: ALL MOTORS SHALL HAVE DISCONNECTING MEANS.

MOTOR CONTROLLERS: ALL 3-PHASE MOTORS SHALL HAVE MAGNETIC MOTOR CONTROLLERS WITH SOLID STATE OVERLOAD RELAY PROTECTION. THE SOLID STATE OVERLOAD RELAY SHALL HAVE PHASE LOSS AND PHASE OVERCURRENT PROTECTION WITH AUTOMATIC RESET UPON RETURN OF NORMAL POWER.

MOTOR FUSE PROTECTION: WHERE FUSE PROTECTION IS SPECIFICALLY REQUIRED BY THE EQUIPMENT MANUFACTURER, PROVIDE FUSED SWITCHES IN LIEU OF NON-FUSED SWITCHES OR IN LIEU OF ENCLOSED CIRCUIT BREAKERS, OR OTHER DEVICES INDICATED.

CONNECTION DETAILS: SECURE APPROVED SHOP DRAWINGS SHOWING WIRING DIAGRAMS, ROUGH-IN AND HOOK UP DETAILS FROM OTHER INVOLVED CONTRACTORS FOR EQUIPMENT WHICH MUST BE CONNECTED ELECTRICALLY.

COORDINATION DETAILS: MECHANICAL EQUIPMENT WILL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. THE LOCATIONS SHOWN ON THE ELECTRICAL DRAWINGS ARE APPROXIMATE. COORDINATE WITH THE MECHANICAL CONTRACTOR TO DETERMINE THE EXACT LOCATION OF EACH PIECE OF EQUIPMENT AND DETERMINE THE EXACT ROUGH-IN AND CONNECTION REQUIREMENTS.

WORKING CLEARANCE: COORDINATE FINAL LOCATIONS OF ELECTRICAL EQUIPMENT WITH MECHANICAL DUCTWORK, PIPING ETC. AND ASSURE WORKING CLEARANCE REQUIRED BY NEC WILL BE MET. SUFFICIENT ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED AROUND ELECTRICAL EQUIPMENT AS REQUIRED BY THE NATIONAL ELECTRICAL CODE. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF EQUIPMENT PROVIDED AND INSTALLED BY OTHER TRADES.

STARTER MOUNTING: WHERE AN INDIVIDUALLY MOUNTED SAFETY SWITCH, STARTER OR CIRCUIT BREAKER IS SHOWN ADJACENT TO ITS RESPECTIVE LOAD AND NOT MOUNTED ON A WALL, PROVIDE ALL SUPPORTS, BRACKETS, ANCHORING, ETC. NECESSARY TO PROPERLY SUPPORT THE DEVICE.

LIGHTING ARRANGEMENT: ARRANGE LIGHTING FIXTURES IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.

LIGHTING COORDINATION: COORDINATE LIGHTING FIXTURES WITH GRILLES, DIFFUSERS, SPRINKLER HEADS, AND ACCESS PANELS, ETC. PROVIDE FIXTURE MOUNTING BRACKETS, ACCESSORIES, PLASTER FRAMES, ETC.. SUITABLE FOR THE CEILING TYPES INDICATED ON THE ARCHITECTURAL PLANS.

LIGHTING CONTROL TESTING: UPON COMPLETION OF THE INSTALLATION OF ALL LIGHTING SYSTEMS AND CONTROL DEVICES, CONTRACTOR SHALL CONFIRM PROPER OPERATION OF ALL LIGHTING CONTROLS, AND DEMONSTRATE PROPER OPERATION TO THE OWNER.

MATERIAL COORDINATION: VERIFY CEILING AND WALL CONSTRUCTION AND MATERIAL PRIOR TO ORDERING LIGHT FIXTURES OR OTHER DEVICES TO ENSURE PROPER FIXTURE OR DEVICE IS FURNISHED TO MATCH CONSTRUCTION.

MOUNTING HEIGHTS: MOUNTING HEIGHTS INDICATED ARE FROM THE FINISHED FLOOR TO THE CENTERLINE OF THE WIRING DEVICE UNLESS OTHERWISE NOTED. MOUNTING HEIGHTS OF LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURE UNLESS OTHERWISE NOTED.

DEVICE LOCATIONS: COORDINATE LOCATIONS OF SWITCHES, RECEPTACLES, AND TELE/DATA OUTLETS WITH OTHER WALL MOUNTED DEVICES SUCH AS THERMOSTATS AND CONTROL STATIONS.

DEVICE COORDINATION: THOROUGHLY REVIEW AND COORDINATE ALL CASEWORK AND CABINET DRAWINGS AND ARCHITECTURAL ELEVATIONS WITH DEVICE LOCATIONS PRIOR TO ROUGH-IN OF OUTLET BOXES.

FLOOR LOCATIONS: VERIFY THE LOCATION OF ALL FLOOR OUTLET BOXES AND OF CONDUIT STUB-UPS WITH THE ARCHITECT'S FURNITURE AND EQUIPMENT LAYOUT PRIOR TO INSTALLATION.

MULTI-GANG JUNCTION BOXES: WHERE OUTLETS AND SWITCHES ARE SHOWN ON PLAN TO BE INSTALLED ADJACENT TO EACH OTHER AND AT THE SAME MOUNTING HEIGHT, THE DEVICES SHALL BE INSTALLED IN A MULTI-GANG OUTLET BOX, UON. THE SIZE OF THE OUTLET BOX SHALL BE DETERMINED BY THE NUMBER OF DEVICES AND CONDUCTORS THAT SHALL BE INSTALLED IN THE MULTI-GANG OUTLET BOX.

CLEAN UP: ON PROJECT CLOSE-OUT CLEAN ALL ELECTRICAL DEVICES, LIGHTING FIXTURES, AND LENSES, AND REMOVE ALL PAINT SPATTERS FROM DEVICES, FIXTURES AND PLATES. REPLACE ALL INOPERATIVE FIXTURES.

GROUND FAULT PROTECTION: RECEPTACLES LOCATED WITHIN 6'-0" OF THE EDGE OF SINKS SHALL BE PROVIDED WITH GROUND FAULT PROTECTION WHETHER SHOWN OR NOT.

FIRE ALARM COORDINATION: THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE FIRE ALARM SYSTEM PROVIDER AND PROVIDE POWER CONNECTIONS TO ALL COMPONENTS WHETHER SHOWN OR NOT. MANUFACTURERS REQUIRE VARYING QUANTITIES OF POWER CONNECTIONS FOR EQUIPMENT LIKE EXPANDER PANELS AND POWER SUPPLIES. THESE DEVICES ARE DEPENDENT UPON THE SPECIFIC MANUFACTURERS SYSTEM. THE FIRE ALARM SYSTEM SUPPLIER SHALL NOTIFY THE OTHER APPROPRIATE SUB-CONTRACTORS ABOUT THESE REQUIREMENTS AND CONNECTION SHALL BE PROVIDED AS PART OF THE PROJECT.

HVAC DAMPERS, ETC: CONTRACTORS SHALL COORDINATE WITH THE EQUIPMENT AND SYSTEM BEING PROVIDED AND PROVIDE POWER CONNECTIONS ACCORDINGLY. THESE CONNECTIONS SHALL BE FOR FIRE/SMOKE DAMPERS, DDC CONTROL DEVICES, ETC. CONTRACTOR SHALL COORDINATE THE VOLTAGE REQUIREMENTS AND PROVIDE ALL NECESSARY CONNECTIONS, COMPONENTS, ETC. THIS INCLUDES TRANSFORMERS, BOXES, ETC.

FIRE ALARM EQUIPMENT SURVIVAL: ACCORDING TO APPLICABLE CODE, A SMOKE DETECTOR IS REQUIRED AT ALL CONTROL PANEL LOCATIONS (I.E. FIRE ALARM PANEL, NOTIFICATION EXTENDER PANELS, TRANSMITTERS, ETC.). CONTRACTOR SHALL PROVIDE SYSTEM SMOKE DETECTORS FOR ALL LOCATIONS OF FIRE ALARM PANELS, TO INCLUDE THOSE SHOWN AND THOSE THAT ARE ADDED BY THE CONTRACTOR FOR THEIR SPECIFIC DESIGN.

FIRE ALARM COMMUNICATION: CONTRACTOR SHALL PROVIDE MINIMUM (2) TELEPHONE (CAT-6) CABLES FROM THE FIRE ALARM CONTROL PANEL TO THE MAIN TELECOMMUNICATIONS ROOM TO THE OWNER'S TELEPHONE SERVICE. COORDINATE THE SERVICE WITH THE OWNER PRIOR TO PRELIMINARY TESTING OF THE SYSTEM.

LEGEND

LIGHTING	
	LIGHTING FIXTURE, SUBSCRIPT "AR" INDICATES AIR RETURN FIXTURE.
	DOWNLIGHT OR PENDANT MOUNTED FIXTURE
	WALL MOUNTED LIGHTING FIXTURE
	EXIT LIGHTING FIXTURE, WITH DIRECTIONAL ARROWS AS INDICATED WITH BATTERY PACK - CONNECT AHEAD OF LOCAL SWITCH.
	EMERGENCY BATTERY LIGHTING UNIT, CONNECT AHEAD OF LOCAL SWITCH.
	LIGHTING FIXTURE TYPE SYMBOL. SEE LIGHTING FIXTURE DETAILS.
	SINGLE POLE SWITCH, 20A, 120/277V, 46" AFF UON
	THREE-WAY SWITCH, 20A, 120/277V, 46" AFF UON
	FOUR-WAY SWITCH, 20A, 120/277V, 46" AFF UON
	DIMMER SWITCH, 46" AFF UON. COORDINATE VOLTAGE AND RATINGS OF SWITCH WITH TYPE AND QUANTITY OF DRIVERS TO BE CONTROLLED.
	CEILING MOUNTED DUAL TECHNOLOGY ULTRASONIC/PASSIVE INFRARED OCCUPANCY SENSOR. SUBSCRIPT "H" INDICATES HIGH-BAY RATED DEVICE.
	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH SINGLE POLE SWITCH, 120/277V, MOUNT 46" AFF.
	CEILING MOUNTED DUAL TECHNOLOGY ULTRASONIC/PASSIVE INFRARED VACANCY SENSOR.
	WALL MOUNTED LOW VOLTAGE MOMENTARY CONTACT SWITCH WITH DIMMING CAPABILITIES, 24VDC, MOUNT 46" AFF.

POWER	
THE FOLLOWING SUBSCRIPTS SHALL APPLY TO RECEPTACLES WHERE USED:	
• GFI:	GROUND FAULT INTERRUPTING TYPE RECEPTACLE
• +XX":	DEVICE MOUNTING HEIGHT DESIGNATION ABOVE FINISHED FLOOR IF OTHER THAN 18" OR 46".
• TV:	TELEVISION RECEPTACLE, COORDINATE MOUNTING HEIGHT WITH TELEVISION MOUNTING BRACKET.
• WP:	WEATHER RESISTANT GFI RECEPTACLE WITH WEATHERPROOF WHILE-IN USE COVER.
• EWC:	ELECTRIC WATER COOLER RECEPTACLE, PROVIDE GROUND FAULT INTERRUPTING TYPE BREAKER. LOCATE BEHIND THE EWC PER MANUFACTURER'S RECOMMENDATIONS.
• C:	RECEPTACLE MOUNTED IN CEILING.
• PR:	COPIER, 120V, 8A
• FR:	REFRIGERATOR, 120V, 8A
	DUPLEX CONVENIENCE RECEPTACLE 20A, 120V, 18" AFF, UON
	TWO DUPLEX RECEPTACLES IN COMMON BOX, EACH 20A, 120V, 18" AFF, UON
	DUPLEX CONVENIENCE RECEPTACLE 20A, 120V, 46" AFF, UON (OR 6" ABOVE COUNTER AS APPLICABLE)
	TWO DUPLEX RECEPTACLES IN COMMON BOX, EACH 20A, 120V, 46" AFF, UON (OR 6" ABOVE COUNTER OR BACKSPLASH AS APPLICABLE)
	SPECIAL RECEPTACLE, AS NOTED ON PLANS
	DEVICE MOUNTED IN FLUSH FLOOR BOX. SUBSCRIPT "PT". WHERE USED, INDICATES A FLUSH MOUNTED POKE-THRU DEVICE. SEE TELE/DATA OUTLET SYMBOL, THIS SHEET FOR MORE INFORMATION.
	SURFACE METAL RACEWAY WITH 20A, 120V SINGLE RECEPTACLES AT 12" ON CENTER. MOUNT 1" ABOVE COUNTER/ TOP BACKSPLASH.
	MECHANICAL UNIT CONNECTION - SEE SCHEDULE. "XXX" INDICATES UNIT TYPE. "#" INDICATES NUMBER
	BASEBOARD HEATER
	ALARM PILOT
	EQUIPMENT CONNECTION
	JUNCTION BOX
	BLANK COVERPLATE
	DIEBOLD ALARM LAMP

SAW CUT NOTE:

CONTRACTOR SHALL SAW CUT, REMOVE AND PATCH CONCRETE FLOOR AS REQUIRED TO PERFORM WORK INDICATED. PATCH FLOOR TO MATCH ADJACENT EXISTING CONDITIONS. CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO SAW CUTTING.

CIRCUIT TRACING NOTE:

CONTRACTOR SHALL TRACE ELECTRICAL FEEDERS AND PROVIDE ONE-LINE DIAGRAM OF EXISTING ELECTRICAL DISTRIBUTION SYSTEM.

POWER (CONTINUED)	
	MOTOR CONNECTION
	SAFETY SWITCH, 60A-3P, FU @ 30A, 3R
	SWITCH RATING NUMBER OF POLES FUSE RATING (NF INDICATES NON-FUSED) NEMA ENCLOSURE IF OTHER THAN NEMA 1
	MOTORIZED DAMPER, 120V, CONNECT TO NEAREST UNSWITCHED RECEPTACLE CIRCUIT.
	ELECTRICAL PANELBOARD
	ELECTRICAL CIRCUIT RUN IN CONDUIT AND CIRCUIT HOMERUN TO PANELBOARD (PANEL AND CIRCUIT DESIGNATION AS INDICATED). AS A MINIMUM CONDITION, EACH SINGLE PHASE CIRCUIT SHALL HAVE 1 #12 PHASE CONDUCTOR, 1 #12 NEUTRAL CONDUCTOR AND 1 #12 GROUNDING CONDUCTOR IN 1/2" CONDUIT. PROVIDE ADDITIONAL PHASE CONDUCTORS AS REQUIRED FOR "MULTIPLE PHASED" ELECTRICAL LOADS. PROVIDE NEUTRAL CONDUCTOR TO ALL WALL SWITCH OUTLET BOXES WHETHER REQUIRED OR NOT. PROVIDE ADDITIONAL "SWITCH LEG" CONDUCTORS TO PROVIDE THE LIGHT FIXTURE CONTROL INDICATED. MULTIPLE SINGLE PHASE CONDUCTORS MAY BE GROUPED TOGETHER IN A COMMON CONDUIT IN ACCORDANCE WITH THE NEC AND AT THE CONTRACTOR'S DISCRETION. GROUNDING CONDUCTORS MAY BE SHARED AS ALLOWED BY THE NEC. NEUTRAL CONDUCTORS SHALL NOT BE SHARED. MULTI-POLE BREAKERS SHALL BE PROVIDED IN ACCORDANCE WITH THE NEC WHERE MULTI-WIRE BRANCH CIRCUITS ARE REQUIRED. CONDUIT LARGER THAN 1/2" AND CONDUCTORS LARGER THAN #12 SHALL BE AS INDICATED.
TELECOMMUNICATIONS	
	TELE/DATA OUTLET, 4-11/16" DEEP BOX WITH SINGLE GANG PLASTER RING AND SINGLE GANG COVERPLATE TO MATCH ELECTRICAL OUTLET COVERPLATE MATERIAL AND COLOR, 18" AFF, UON, WITH 1 1/4"C WITH CABLING, STUBBED ABOVE ACCESSIBLE CEILING AND TERMINATED WITH BUSHING.
	TELEVISION (TV) OUTLET, 4-11/16" DEEP BOX, 18" AFF, UON, PROVIDE 1"C WITH CABLING STUBBED ABOVE ACCESSIBLE CEILING TERMINATED WITH BUSHING. WHERE OUTLET IS ADJACENT TO A POWER RECEPTACLE, MOUNT AT SAME ELEVATION AS POWER RECEPTACLE, UON.
	WIRELESS ACCESS POINT, 4-11/16" DEEP BOX WITH SINGLE GANG PLASTER RING AND SINGLE GANG COVERPLATE TO MATCH ELECTRICAL OUTLET COVERPLATE MATERIAL AND COLOR, CEILING MOUNT, SUBSCRIPT "WP" INDICATES WEATHERPROOF ENCLOSURE.
	TELE/DATA OUTLET MOUNTED IN FLOORBOX, PROVIDE 1 1/4"C WITH CABLING FROM FLOORBOX TO NEAREST WALL. TURN UP WALL CONCEALED AND CONTINUE TO ABOVE ACCESSIBLE CEILING AND TERMINATE WITH BUSHING.
	TELECOMMUNICATIONS BACKBOARD - 4"W x 8"H x 3/4" THICK, TYPE AC FIRE RETARDANT PLYWOOD
	TELECOMMUNICATIONS MAIN GROUND BUS BAR, SEE DETAIL, SHEET E501.
GENERAL	
	DETAIL OR SECTION NOTATION
	ENUMERATION: A = DETAIL, 1 = SECTION
	SHEET WHERE SECTION IS SHOWN/CUT
	NEW WORK NOTE SYMBOL
	DEMOLITION NOTE SYMBOL

LOW VOLTAGE CABLING/COORDINATION NOTE:

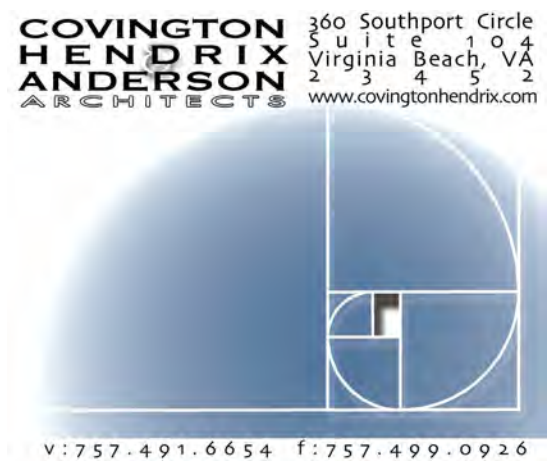
- CONTRACTOR TO PROVIDE ALL DATA ROUGH-IN AND CONDUIT.
- ALL CABLING IS PROVIDED AND INSTALLED BY CONTRACTOR FROM DATA OUTLET TO IT RACK COMPLETE.
- CONTRACTOR TO PROVIDE ALL LABELING (BOTH ENDS) OF CABLING.
- CONTRACTOR TO PROVIDE 2 POST OPEN FRAME 7FT RACK WITH SIDE CABLE MANAGEMENT. PROVIDE INSTALLATION AND COORDINATE WITH END USER. ENSURE UNIT IS BOLTED TO FLOOR AND PROPERLY GROUNDED.
- CONTRACTOR TO PROVIDE ALL DATA PORT OUTLETS AND COVER PLATES.
- CONTRACTOR TO PROVIDE ALL TERMINATION OF CABLING (BOTH ENDS).
- CONTRACTOR SHALL INCLUDE ALLOWANCE FOR TESTING ALL OF THE SUPPLIED CABLING. CONTRACTOR SHALL COORDINATE THIS EFFORT WITH THE END USER. CATEGORY 6 CABLING SHALL BE TESTED WITH INSTRUMENTS AND TESTING METHODS SPECIFIC TO CAT-6 CABLING REQUIREMENTS. PROVIDE TESTING DATA FOR EACH CABLE TO OWNER'S REPRESENTATIVE PRIOR TO PROJECT COMPLETION DEMONSTRATING EVERY CABLE PASSED TESTING.
- CONTRACTOR TO PROVIDE ALL MISCELLANEOUS MATERIALS FOR CABLE INSTALLATION (J-HOOKS, PLASTIC TIES, ETC.).

ABBREVIATIONS

A	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
BFG	BELOW FINISHED GRADE
C	CONDUIT
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CB	CIRCUIT BREAKER
DPW	DEPARTMENT OF PUBLIC WORKS
EBU	EMERGENCY BATTERY UNIT
EC	EMPTY CONDUIT
ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN
ERU	ENERGY RECOVERY UNIT
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
FHP	FRACTIONAL AC HORSEPOWER
FLA	FULL LOAD AMPS
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
HP	HORSE POWER/HEAT PUMP
IG	ISOLATED GROUND
KAIC	THOUSAND AMPERE INTERRUPTING CAPACITY
KVA	KILO-VOLT-AMPERES
KW	KILO-WATTS
LTG	LIGHTING
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MFR	MANUFACTURER
MLO	MAIN LUGS ONLY
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
P	POLE
PF	POWER FACTOR
PNL	PANEL
Ø	PHASE
PRI	PRIMARY
TBB	TELEPHONE BACKBOARD
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
USO	UNITED SERVICE ORGANIZATIONS
V	VOLT
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS/WIRE
WG	WIRE GUARD
WP	WEATHERPROOF

RECORD
DRAWINGS
2023.11.30

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GENERAL NOTES, LEGEND,
AND ABBREVIATIONS

EO.1





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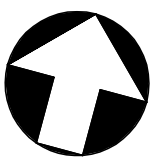


GRAPHIC SCALE:



DEMOLITION FIRST FLOOR
PLAN

ED1.1



DEMOLITION FIRST FLOOR PLAN

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

DEMOLITION NOTES

GENERAL: DEMOLITION DRAWINGS ARE BASED ON EXISTING PLANS AND FIELD INVESTIGATION PRIOR TO DEMOLITION. VISIT THE EXISTING BUILDING PRIOR TO BID IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND IN ORDER TO AVOID CONFLICTS.

DASHED ITEMS: ALL ITEMS SHOWN DASHED ON DEMOLITION PLANS ARE EXISTING AND SHALL BE REMOVED.

SOLID ITEMS: ALL ITEMS SHOWN SOLID ON DEMOLITION PLANS ARE EXISTING TO REMAIN.

CIRCUITING TO REMAIN: EXISTING CIRCUITING TO REMAIN SHALL BE REROUTED OR RECONNECTED, AS REQUIRED, WHERE AFFECTED BY NEW WORK IN ORDER TO MAINTAIN CONTINUITY OF THE CIRCUIT.

REUSE OF EXISTING CIRCUITRY: EXISTING CIRCUITRY SERVING LIGHTING FIXTURES AND/OR RECEPTACLES FOR A GIVEN AREA MAY BE REUSED IN LIEU OF CIRCUIT INDICATED AT THE CONTRACTORS DISCRETION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING CIRCUITS ARE NOT OVERLOADED. PROVIDE CIRCUIT MODIFICATIONS INDICATED OR AS OTHERWISE REQUIRED TO MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT REMAIN.

EXISTING CONDUIT: ALL EXISTING CONDUITS AND WIRING THAT WILL NOT BE REUSED SHALL BE REMOVED WHERE THEY WILL BE EXPOSED UPON COMPLETION OF NEW WORK. EXISTING CONDUIT TO REMAIN CONCEALED IN WALLS SHALL BE ABANDONED. EXISTING CONDUIT TO REMAIN BELOW FLOOR SLAB SHALL BE CUT OFF ONE INCH BELOW ROUGH FLOOR AND GROUTED FLUSH. ALL EXISTING WIRING IN CONDUITS TO BE ABANDONED SHALL BE DISCONNECTED FROM POWER SOURCE AND REMOVED.

REPAIR DAMAGE: EXERCISE CARE IN REMOVAL OF DEMOLITION ITEMS. REPAIR, AT NO ADDITIONAL COST TO THE OWNER, ANY DAMAGE CAUSED TO EXISTING CONSTRUCTION AND/OR EQUIPMENT TO REMAIN.

ASSOCIATED APPURTENANCES: REMOVE ALL ELECTRICAL APPURTENANCES (DISCONNECTS, STARTERS, WIRING, CONDUIT, ETC.) ASSOCIATED WITH EQUIPMENT TO BE REMOVED BY OTHERS.

KNOCKOUT PLUGS AND COVERS: ALL CONDUIT REMOVED SHALL BE REMOVED IN ITS ENTIRETY, INCLUDING FITTINGS, MOUNTING DEVICES, MOUNTING HARDWARE, ETC. PROVIDE CONDUIT PLUGS AND BLANKS FOR ALL OPENINGS CREATED BY THE REMOVAL OF CONDUIT. PROVIDE BLANK COVER PLATES FOR ALL OPENED OUTLET BOXES CREATED BY THE REMOVAL OF EQUIPMENT AND/OR DEVICES

DEMOLISHED MATERIALS: ALL MATERIALS REMOVED UNDER DEMOLITION, NOT TO BE RELOCATED OR DESIGNATED TO BE TURNED OVER TO THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED COMPLETELY FROM THE SITE.

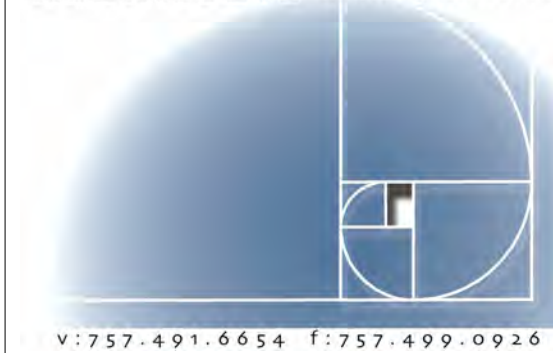
SCHEDULE OUTAGES: ALL WORK AND ALL POWER OUTAGES IN THE EXISTING BUILDING SHALL BE SCHEDULED AT TIMES CONVENIENT TO THE OWNER.

NOTIFICATION: NOTIFY THE OWNER PRIOR TO TURNING OFF ANY CIRCUITS.

ABANDONED COMMUNICATIONS CABLING: ABANDONED COMMUNICATIONS CABLING (TELEPHONE OR DATA) ABOVE THE CEILING SHALL BE REMOVED PER NEC ARTICLE 645.

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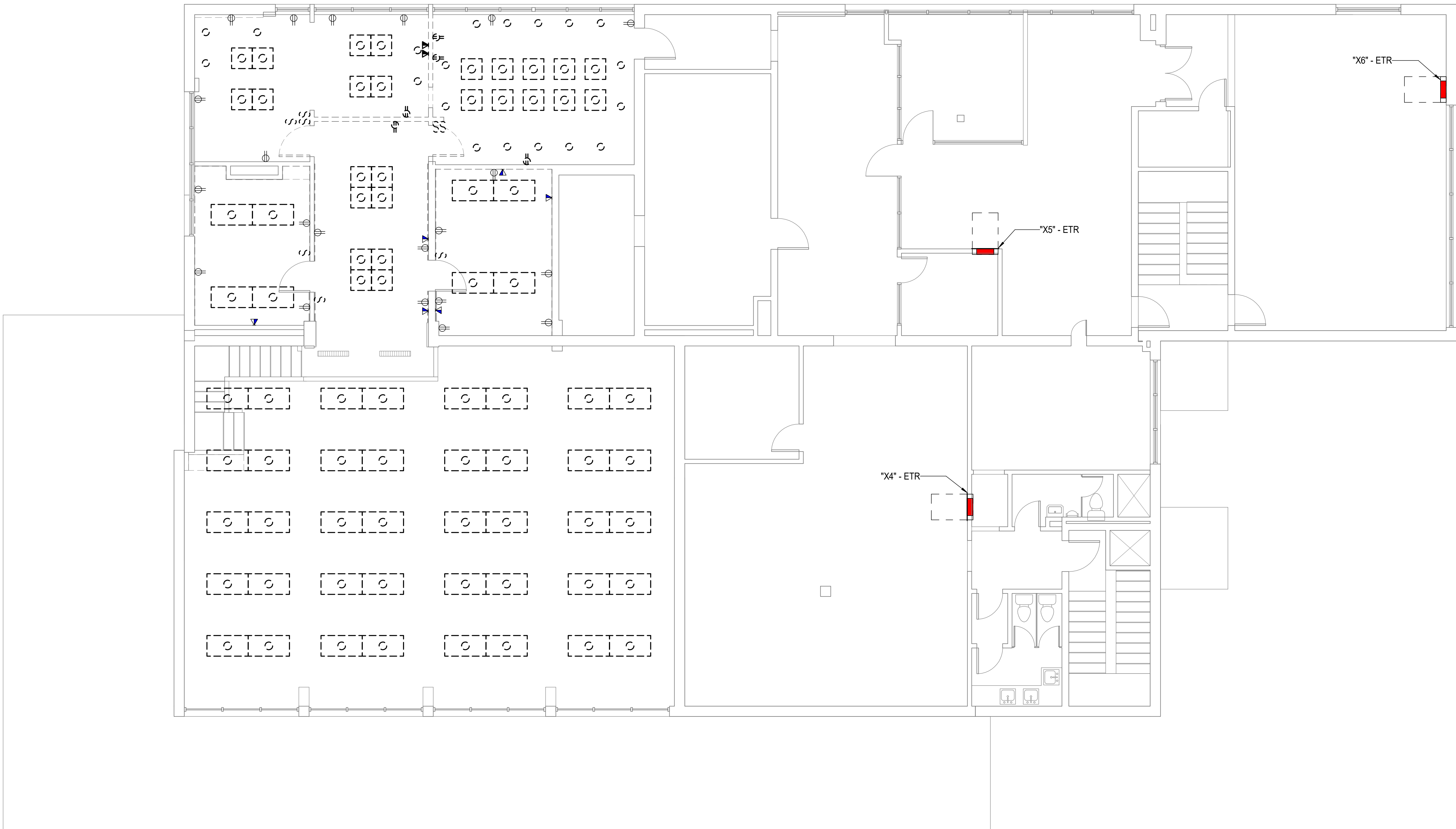
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ISSUE DATE	11.10.2022
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DEMOLITION SECOND FLOOR
PLAN

ED1.2






 DEMOLITION SECOND FLOOR PLAN
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE:





LIGHTING SCHEDULE

- L1** MANUFACTURER: LITHONIA LIGHTING
MODEL: BLT SERIES - LOW PROFILE
RECESSED LED LUMINAIRE
DIFFUSER: AD5M CURVED SMOOTH
SIZE: 2' X 2'
PROVIDE 700LM BATTERY BACK-UP WHERE INDICATED. 
REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION
- L2** MANUFACTURER: LITHONIA LIGHTING
MODEL: REALITY 6" LED MODULE
FINISH: WHITE
SIZE: 6"
PROVIDE 10W BATTERY BACK-UP WHERE INDICATED. 
REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION
- L3** MANUFACTURER: LITHONIA LIGHTING
MODEL: BLT SERIES - LOW PROFILE
RECESSED LED LUMINAIRE
DIFFUSER: AD5M CURVED SMOOTH
SIZE: 2' X 4'
PROVIDE 1400LM BATTERY BACK-UP WHERE INDICATED. 
REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION
- L4** MANUFACTURER: TRULY GREEN
SOLUTIONS MODEL: ECO PANEL
LIGHTS 110 COLOR: WHITE SIZE: 2' X 2'
MOUNTING HT: RECESSED COLOR
TEMPERATURE: 3500K VOLTAGE: 120V
REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION
- L5** MANUFACTURER: AXIS VENDOR:
LIGHTING ENVIRONMENTS MODEL: SKYE
POOL 2" STEPLES FINISH: WHITE SIZE: 2' X 2'
MOUNTING HT: RECESSED COLOR
TEMPERATURE: 3500K VOLTAGE: 120V
REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION
- L6** MANUFACTURER: BETA-CALCO
MODEL: MICRO TRIANGLE SE
COLOR: LIGHT CHERRY
SIZE: 24"
MOUNTING HT: SURFACE MOUNTED
REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION
- L7** MANUFACTURER: BETA-CALCO
MODEL: MACRO CROSS SIZE: 57"
DIRECT COLOR: LIGHT CHERRY
MOUNTING: HT: BOTTOM OF FIXTURE @ 7'-0" AFF
FINISH: WHITE
SIZE: 6"
REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION
- L8** MANUFACTURER: NOVA FLEX
MODEL: DYNAMIC RGB/RGBW
COLOR: RGB
MOUNTING: 3M ADHESIVE SURFACE
REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION

GRAPHIC SCALE:



FIRST FLOOR ROOM SCHEDULE

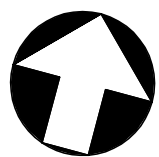
100	VESTIBULE
101	RECEPTION
102	OFFICE
103	STORAGE
104	UTILITY
105	STAIRS
106	HOSPITALITY
107	CAFE SEATING
108	RAISED LOUNGE
109	CAFE SEATING
110	MECHANICAL
111	CAFE
112	KITCHEN
113	STORAGE
114	MEN'S RR
115	WOMEN'S RR

FIRST FLOOR ROOM SCHEDULE

116	CORRIDOR
117	CORRIDOR
118	COMPUTER CAFE
119	CONFERENCE ROOM
120	ELECT./IT ROOM
121	IT ROOM
122	MECHANICAL
123	MULTI-PURPOSE ROOM
124	STORAGE
125	MECH/ELECT
126	ARCADE LOUNGE
127	BILLIARDS
128	CORRIDOR
129	JANITOR
130	MECH/ELECT
131	STORAGE

FIRST FLOOR ROOM SCHEDULE

132	GAMING LOUNGE
133	STORAGE
134	GAMING VAULT
135	LOUNGE
136	OFFICE
137	VESTIBULE
138	OFFICE
139	LOUNGE
140	KID'S AREA
150	STAIR
160	STAIR



NEW WORK FIRST FLOOR PLAN - LIGHTING

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

NOTES THIS SHEET

- 1 CONNECT TO NEAREST EXISTING LIGHTING CIRCUIT WITH
NEW CONTROLS IN THIS SPACE.

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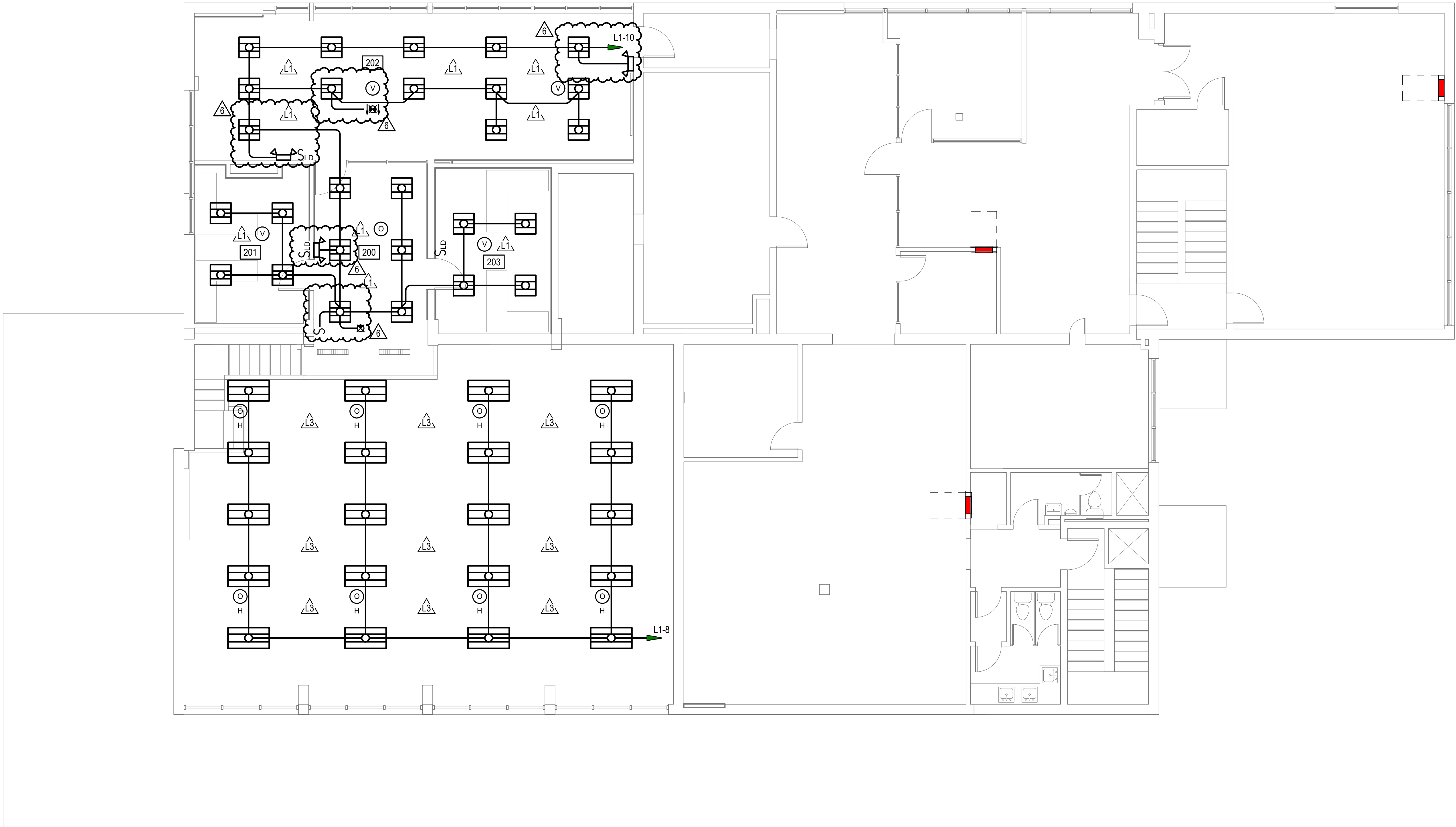


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NEW WORK SECOND FLOOR
PLAN - LIGHTING

E102

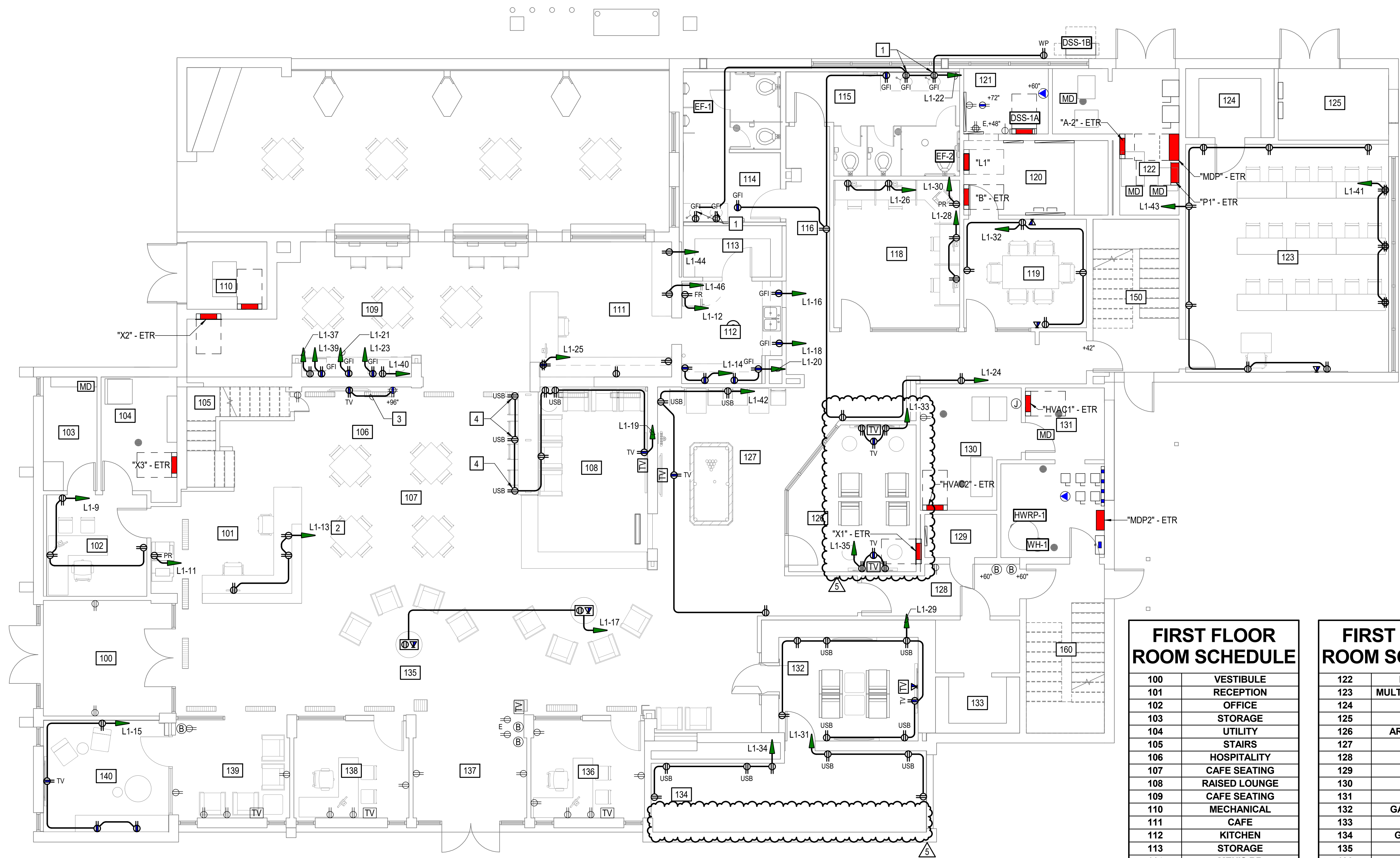


NEW WORK SECOND FLOOR PLAN - LIGHTING
SCALE: 3/16" = 1'-0"

SECOND FLOOR ROOM SCHEDULE	
ROOM #	ROOM NAME
200	CORRIDOR
201	OFFICE
202	CONFERENCE
203	OFFICE

GRAPHIC SCALE:





FIRST FLOOR
ROOM SCHEDULE

100	VESTIBULE
101	RECEPTION
102	OFFICE
103	STORAGE
104	UTILITY
105	STAIRS
106	HOSPITALITY
107	CAFE SEATING
108	RAISED LOUNGE
109	CAFE SEATING
110	MECHANICAL
111	CAFE
112	KITCHEN
113	STORAGE
114	MEN'S RR
115	WOMEN'S RR
116	CORRIDOR
117	CORRIDOR
118	COMPUTER CAFE
119	CONFERENCE ROOM
120	ELECT./IT ROOM
121	IT ROOM

FIRST FLOOR
ROOM SCHEDULE

122	MECHANICAL
123	MULTI-PURPOSE ROOM
124	STORAGE
125	MECH/ELECT
126	ARCADE LOUNGE
127	BILLIARDS
128	CORRIDOR
129	JANITOR
130	MECH/ELECT
131	STORAGE
132	GAMING LOUNGE
133	STORAGE
134	GAMING VAULT
135	LOUNGE
136	OFFICE
137	VESTIBULE
138	OFFICE
139	LOUNGE
140	KID'S AREA
150	STAIR
160	STAIR

NEW WORK FIRST FLOOR PLAN - POWER
SCALE: 3/16" = 1'-0"

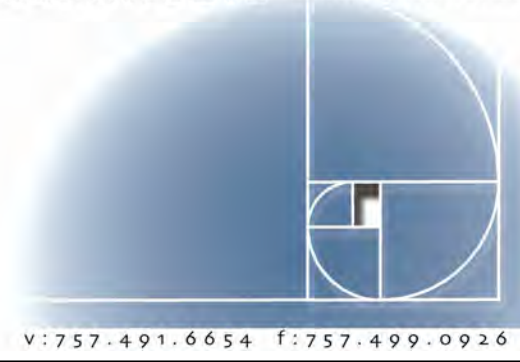
NOTES THIS SHEET

- 1 PROVIDE RECEPTACLE BELOW SINK COUNTERTOP TO ACCOMMODATE FAUCET SENSOR TRANSFORMER. COORDINATE ROUGH-IN WITH PLUMBING CONTRACTOR PRIOR TO INSTALLATION.
- 2 FEED CIRCUIT UNDERGROUND FROM NEAREST WALL.
- 3 CONNECT TO EXISTING RECEPTACLE CIRCUIT.
- 4 PROVIDE ASHLEY DUO BEZEL ELECTRICAL/DATA WITH HARDWIRED CONNECTION, OR APPROVED EQUAL, MOUNTED WITHIN CASEWORK. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.

GRAPHIC SCALE:



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NEW WORK FIRST FLOOR PLAN
- POWER

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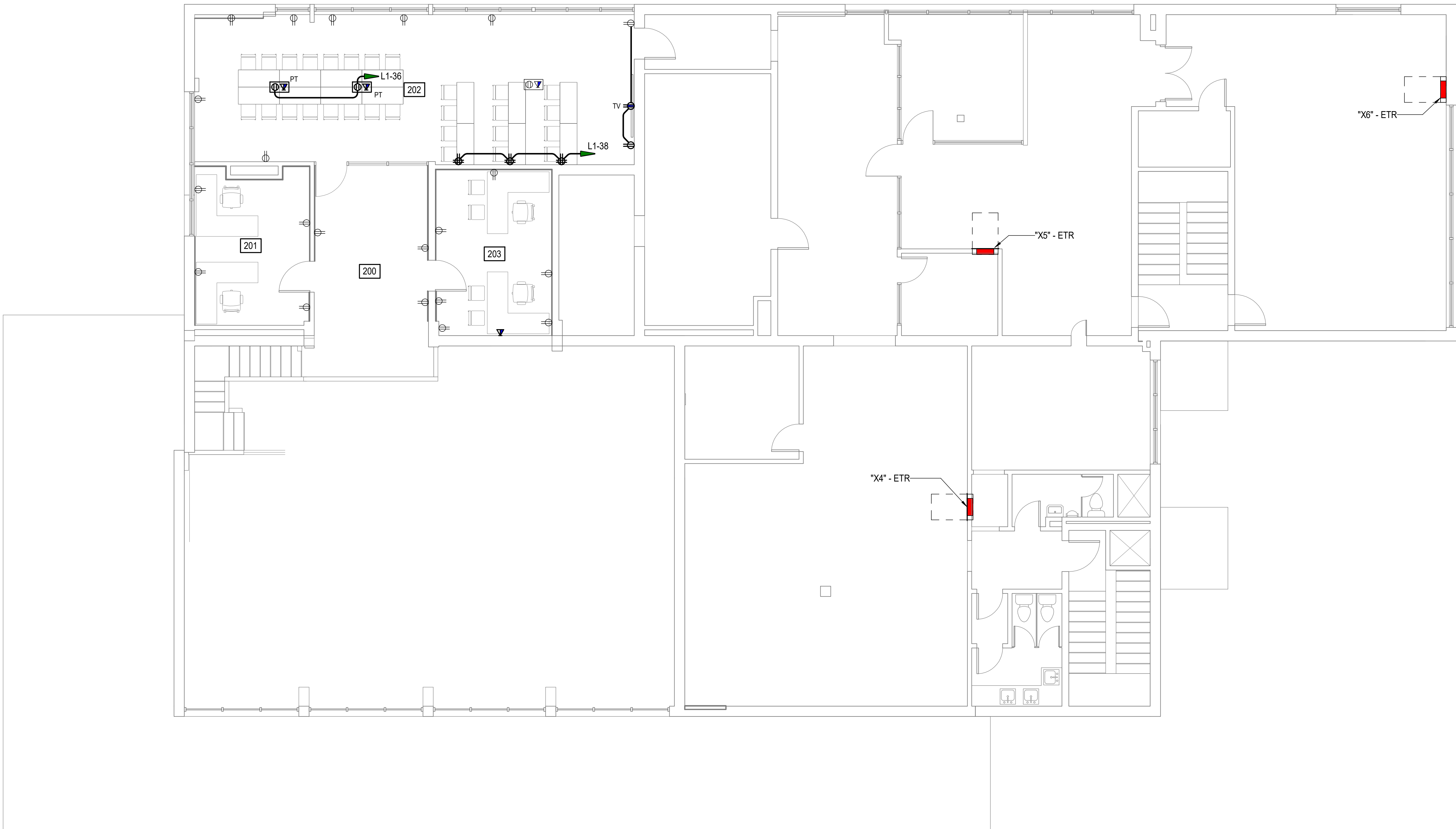


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NEW WORK SECOND FLOOR
PLAN - POWER

E2.2



NEW WORK SECOND FLOOR PLAN - POWER
SCALE: 3/16" = 1'-0"

SECOND FLOOR ROOM SCHEDULE	
ROOM #	ROOM NAME
200	CORRIDOR
201	OFFICE
202	CONFERENCE
203	OFFICE

GRAPHIC SCALE:





NEW WORK FIRST FLOOR PLAN - SPECIAL SYSTEMS
SCALE: 3/16" = 1'-0"

NOTES THIS SHEET

- 1 PROVIDE (2) CAT-6 UTP DATA CABLES FROM OUTLET TO IT RACK.
- 2 PROVIDE (4) CAT-6 UTP DATA CABLES FROM OUTLET TO IT RACK.
- 3 PROVIDE (2) CAT-6 UTP DATA CABLES FROM FLOORBOX OUTLET TO IT RACK. (SEE DETAIL, "MULTISERVICE FLUSH FLOOR BOX" ON SHEET E501.)
- 4 PROVIDE (2) CAT-6 UTP DATA CABLES AND (1) RG-6 COAXIAL CABLE FROM OUTLET TO IT RACK IN ROOM 121.
- 5 COORDINATE EXACT ROUGH-IN REQUIREMENTS AND OUTLET MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION.

FIRST FLOOR ROOM SCHEDULE	
100	VESTIBULE
101	RECEPTION
102	OFFICE
103	STORAGE
104	UTILITY
105	STAIRS
106	HOSPITALITY
107	CAFE SEATING
108	RAISED LOUNGE
109	CAFE SEATING
110	MECHANICAL
111	CAFE
112	KITCHEN
113	STORAGE
114	MEN'S RR
115	WOMEN'S RR

FIRST FLOOR ROOM SCHEDULE	
116	CORRIDOR
117	CORRIDOR
118	COMPUTER CAFE
119	CONFERENCE ROOM
120	ELECT./IT ROOM
121	IT ROOM
122	MECHANICAL
123	MULTI-PURPOSE ROOM
124	STORAGE
125	MECH/ELECT
126	ARCADE LOUNGE
127	BILLIARDS
128	CORRIDOR
129	JANITOR
130	MECH/ELECT
131	STORAGE

FIRST FLOOR ROOM SCHEDULE	
132	GAMING LOUNGE
133	STORAGE
134	GAMING VAULT
135	LOUNGE
136	OFFICE
137	VESTIBULE
138	OFFICE
139	LOUNGE
140	KID'S AREA
150	STAIR
160	STAIR

GRAPHIC SCALE:



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NEW WORK FIRST FLOOR PLAN
- SPECIAL SYSTEMS

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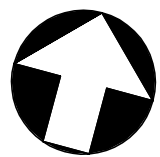
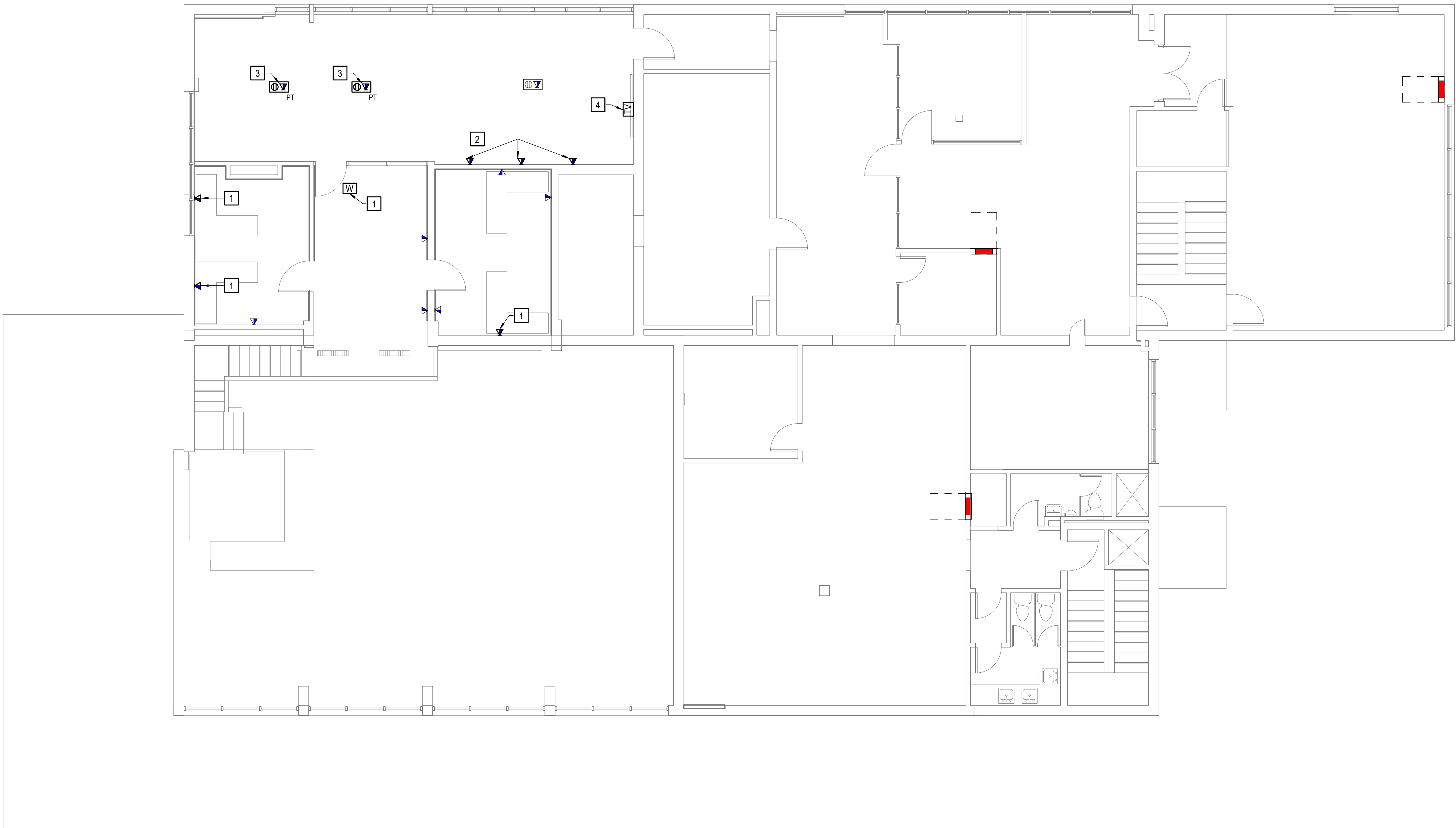


GRAPHIC SCALE:



NEW WORK SECOND FLOOR
PLAN - SPECIAL SYSTEMS

E3.2

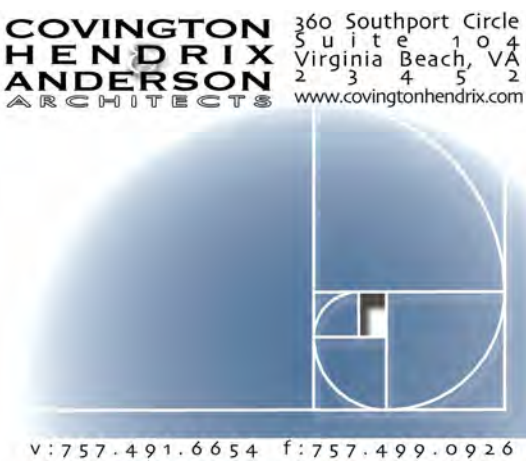


NEW WORK SECOND FLOOR PLAN - SPECIAL SYSTEMS

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

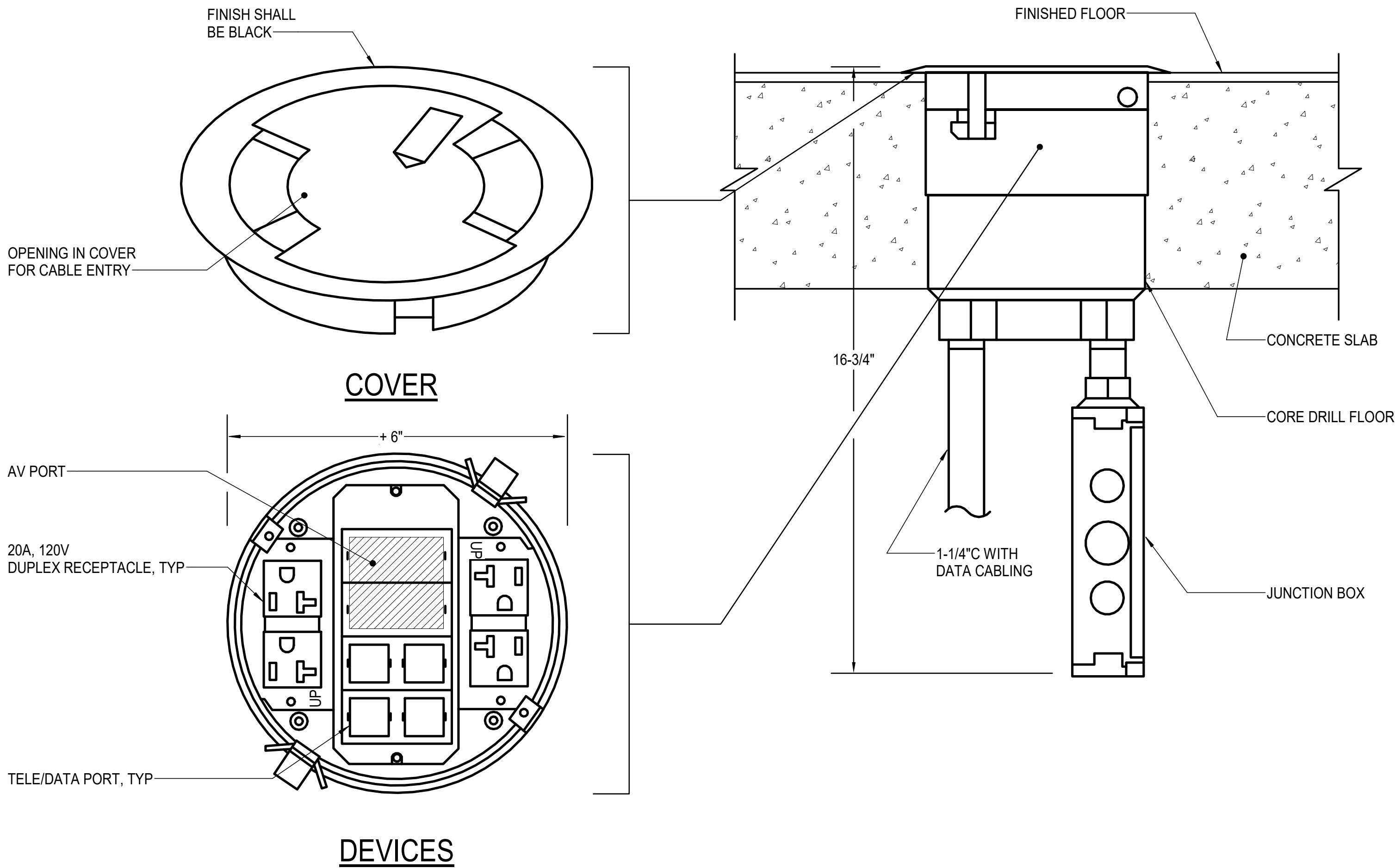
NOTES THIS SHEET

- 1 PROVIDE (2) CAT-6 UTP DATA CABLES FROM OUTLET TO IT RACK.
- 2 PROVIDE (4) CAT-6 UTP DATA CABLES FROM OUTLET TO IT RACK.
- 3 PROVIDE (4) CAT-6 UTP DATA CABLES FROM FLOORBOX OUTLET TO IT RACK. (SEE DETAIL, "POKE-THROUGH FLOOR BOX" ON SHEET E501.)
- 4 PROVIDE (2) CAT-6 UTP DATA CABLES AND (1) RG-6 COAXIAL CABLE FROM OUTLET TO IT RACK IN ROOM 121.

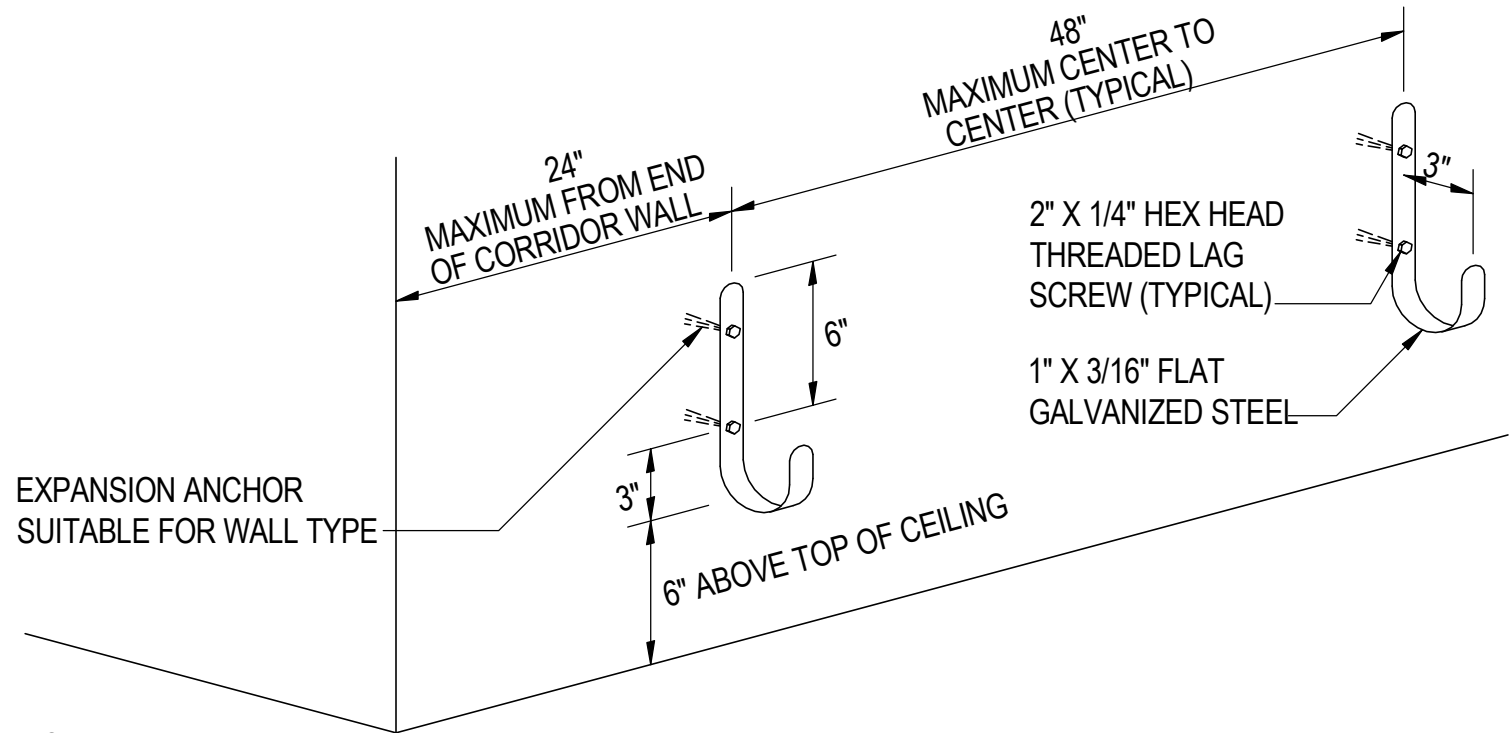


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DETAILS, AND RISER DIAGRAM

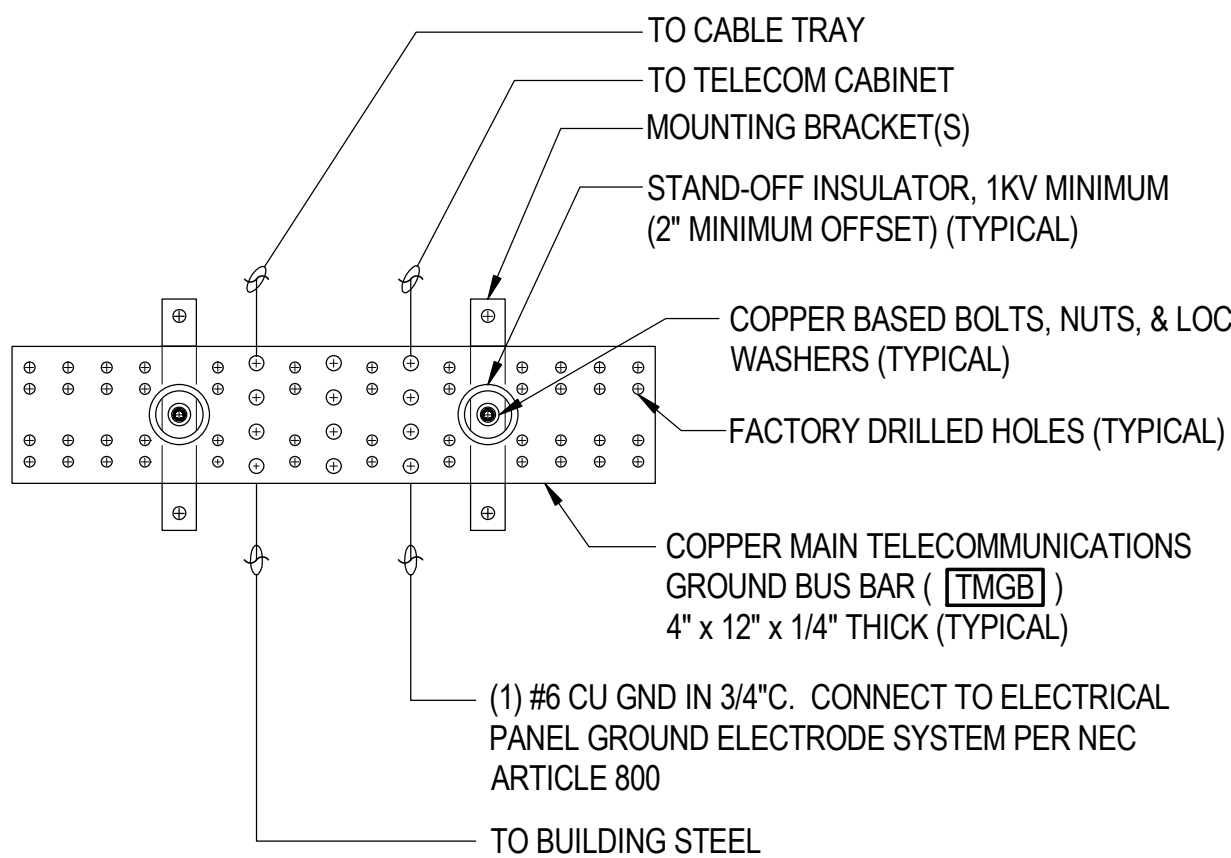


POKE-THROUGH FLOOR BOX () LEGRAND EVOLUTION SERIES 6ATC2P
NO SCALE

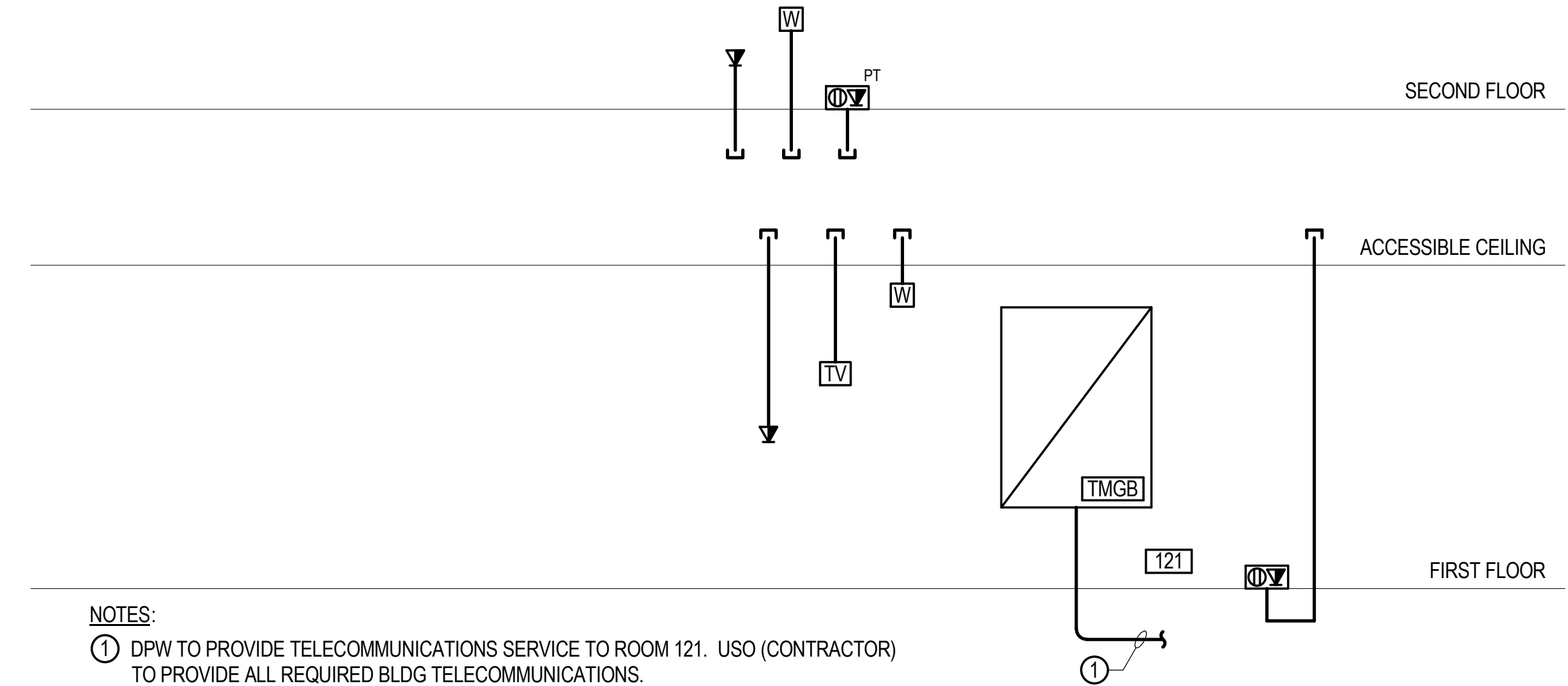


NOTE:
1. DO NOT EXCEED 80% OF THE MANUFACTURER'S MAXIMUM FILL CAPACITY. PROVIDE THIS INFORMATION WITHIN SUBMITTALS FOR VERIFICATION. PROVIDE ADDITIONAL TIERS AS REQUIRED TO ENSURE ALL CABLES ARE PROPERLY SUPPORTED.

J-HOOK CABLE MANAGEMENT DETAIL (WALL MOUNT)
NO SCALE

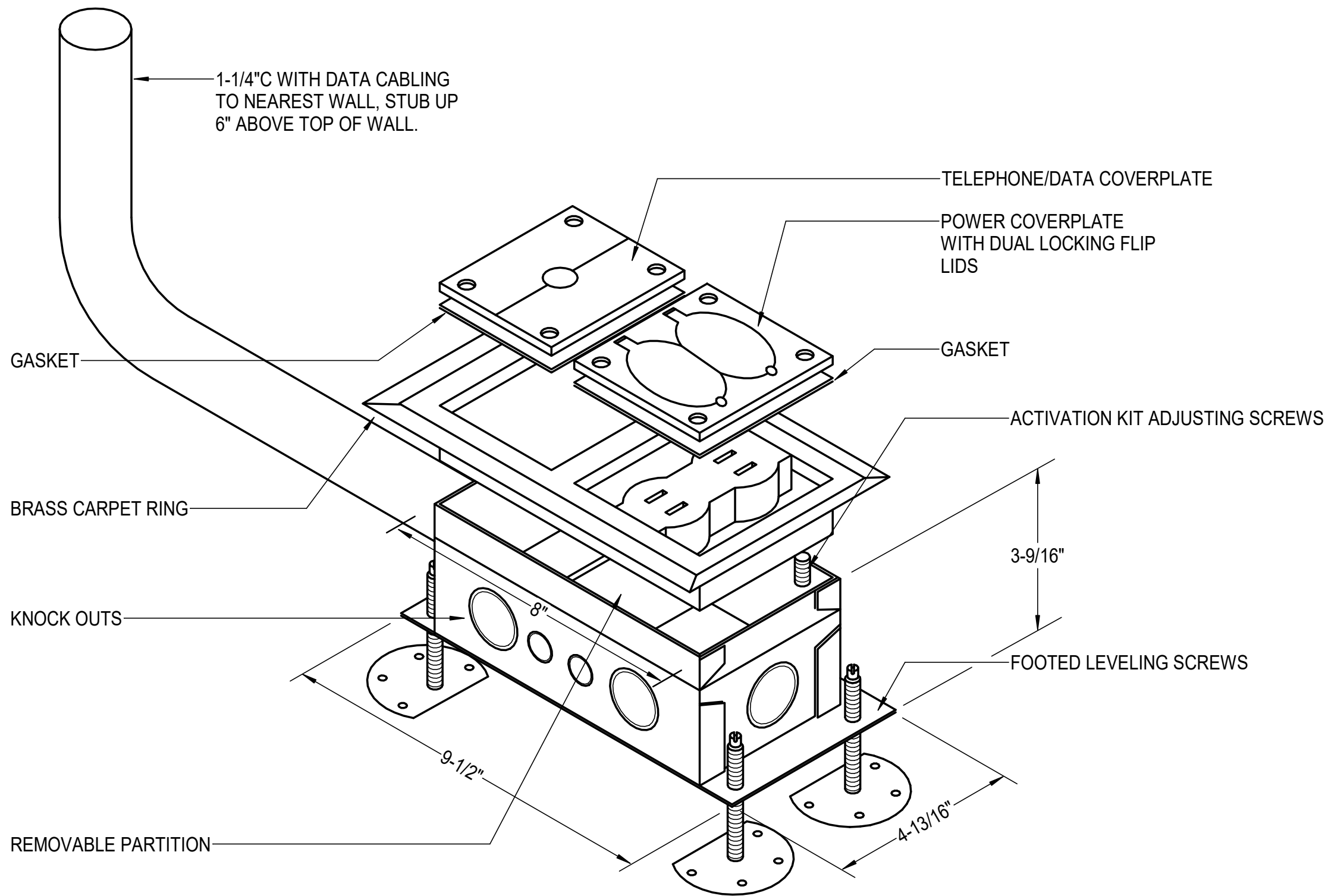


TYPICAL GROUND BUS BAR DETAIL
NO SCALE



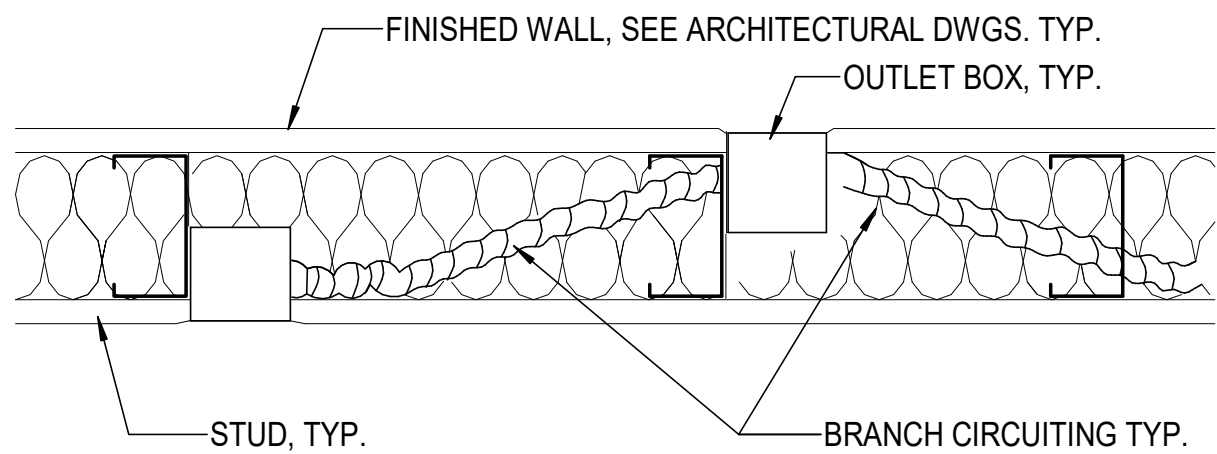
NOTES:
① DPW TO PROVIDE TELECOMMUNICATIONS SERVICE TO ROOM 121. USO (CONTRACTOR) TO PROVIDE ALL REQUIRED BLDG TELECOMMUNICATIONS.

TELECOMMUNICATIONS RISER DIAGRAM
NO SCALE



MULTISERVICE FLUSH FLOOR BOX ()
NO SCALE

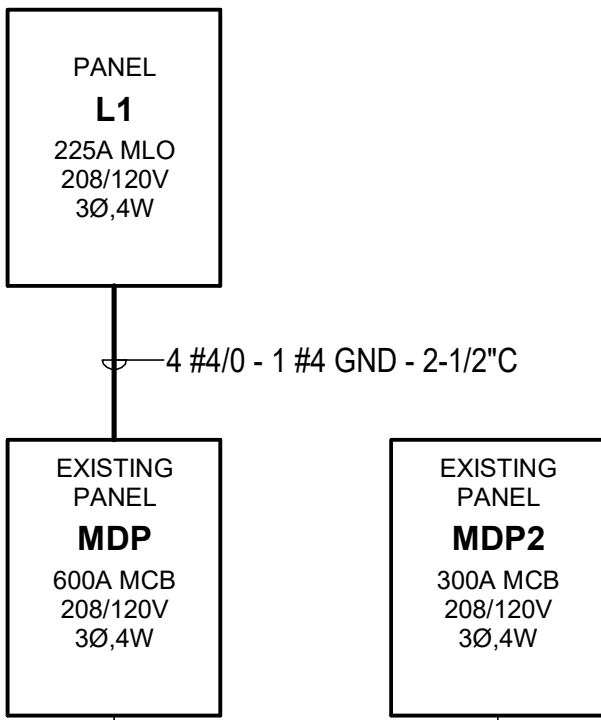
CONTRACTOR SHALL SIZE TELECOMMUNICATIONS GROUNDING AND BONDING INFRASTRUCTURE PER ANSI J-STD-607-D	
TBB/TBC LENGTH M (FT)	TBB/TBC SIZE (AWG)
LESS THAN 4 (13)	6
4 - 6 (14 - 20)	4
6 - 8 (21 - 26)	3
8 - 10 (27 - 33)	2
10 - 13 (34 - 41)	1
13 - 16 (42 - 52)	1/0
16 - 20 (53 - 66)	2/0
20 - 26 (67 - 84)	3/0
26 - 32 (85 - 105)	4/0
32 - 38 (106 - 125)	250kcmil
38 - 46 (126 - 150)	300kcmil
46 - 53 (151 - 175)	350kcmil
53 - 76 (176 - 250)	500kcmil
76 - 91 (251 - 300)	600kcmil
GREATER THAN 91 (301)	750kcmil
TBB - TELECOMMUNICATIONS BONDING BACKBONE	
TBC - TELECOMMUNICATIONS BONDING CONDUCTOR	



NOTES:
1. THIS DETAIL IS APPLICABLE TO ELECTRICAL POWER, LIGHT SWITCHES, AUDIO/VISUAL, DATA AND TELEPHONE OUTLET BOXES IN ALL PARTITIONS.
2. PLACE OUTLET BOXES IN SEPARATE STUD SPACES WHERE POSSIBLE.
3. BACK-TO-BACK OUTLET BOXES ARE NOT PERMITTED.
4. PLUG ALL UNUSED KNOCK-OUTS IN OUTLET BOXES WITH KNOCK-OUT CAPS.

ELECTRICAL OUTLET BOX SEPARATION DETAIL
NO SCALE





PARTIAL
POWER RISER DIAGRAM
NO SCALE

CONTRACTOR TO TRACE OUT
FEEDERS AND PROVIDE
COMPLETE POWER RISER

EXISTING PANELBOARD MDP SCHEDULE												
600A MLO, 208/120 VOLT, 3 PHASE, 4 WIRE, 42 KAIC MINIMUM, SURFACE MOUNT, GROUND BUS												
LOAD SERVED	LOAD (AMPS)			BKR TRIP	CKT NO.	PHASE A B C	CKT NO.	BKR TRIP	LOAD (AMPS)			LOAD SERVED
	A	B	C						A	B	C	
PANEL L1+	124.1			225/3P	1		2	300/3P	*			PANEL MDP2
		113.3								*		
			94.9								*	
SPARE				20/3P	7		8	125/3P	*			EXISTING LOAD
										*		
SPACE ONLY							14					SPACE ONLY
SPACE ONLY							20	400/3P	*			PANEL P1
										*		
											*	
TOTAL	124.1	113.3	94.9						0.0	0.0	0.0	TOTAL
TOTAL CONNECTED AMPS A: 124.1 B: 113.3 C: 94.9												

NOTES:
EXISTING PANEL IS MANUFACTURED BY GE. CONTRACTOR TO FIELD VERIFY PRIOR TO ORDERING CIRCUIT BREAKERS TO ENSURE COMPATIBILITY.

* * * PROVIDE BREAKER FOR NEW LOAD

* * * INDICATES EXISTING LOAD

PANELBOARD L1 SCHEDULE												
225A MLO, 208/120 VOLT, 3 PHASE, 4 WIRE, 42 KAIC MINIMUM, SURFACE MOUNT, GROUND BUS												
LOAD SERVED	LOAD (AMPS)			BKR TRIP	CKT NO.	PHASE A B C	CKT NO.	BKR TRIP	LOAD (AMPS)			LOAD SERVED
	A	B	C						A	B	C	
DSS-1A	14.4			30/2P	1		2	20/1P	4.5			LIGHTING
DSS-1B		14.4					4	20/1P		8.7		LIGHTING
WH-1			4.0	20/1P	5		6	20/1P			3.4	LIGHTING
HWRP-1	7.2			20/1P	7		8	20/1P	8.0			LIGHTING
RECEPTACLES		4.5		20/1P	9		10	20/1P		6.2		LIGHTING
COPIER			8.0	20/1P	11		12	20/1P			8.0	REFRIGERATOR
RECEPTACLES	4.5			20/1P	13		14	20/1P	10.0			KITCHEN APPLIANCE
RECEPTACLES		6.0		20/1P	15		16	20/1P		10.0		KITCHEN APPLIANCE
RECEPTACLES			3.0	20/1P	17		18	20/1P			10.0	KITCHEN APPLIANCE
RECEPTACLES	6.0			20/1P	19		20	20/1P	10.0			KITCHEN APPLIANCE
KITCHEN APPLIANCE		10.0		20/1P	21		22	20/1P		4.5		SINK SENSORS & REC
KITCHEN APPLIANCE			10.0	20/1P	23		24	20/1P			7.5	RECEPTACLES
RECEPTACLES				20/1P	25		26	20/1P	8.0			CPU STATION
SPARE				20/1P	27		28	20/1P		8.0		CPU STATION
RECEPTACLES				20/1P	29		30	20/1P			8.0	COPIER
RECEPTACLES	4.5			20/1P	31		32	20/1P	6.0			RECEPTACLES
RECEPTACLES		4.5		20/1P	33		34	20/1P		6.0		RECEPTACLES
RECEPTACLES			4.5	20/1P	35		36	20/1P			3.0	RECEPTACLES
MICROWAVE	10.0			20/1P	37		38	20/1P	9.0			RECEPTACLES
MICROWAVE		10.0		20/1P	39		40	20/1P		6.0		DROP-IN COOLER
QUAD REC			9.0	20/1P	41		42	20/1P			6.0	RECEPTACLES
RECEPTACLES	9.0			20/1P	43		44	20/1P	10.0			CAFÉ RECEPT
SPARE				20/1P	45		46	20/1P		10.0		CAFÉ RECEPT
SPARE				20/1P	47		48	20/1P				SPARE
SPARE				20/1P	49		50	20/1P				SPARE
SPARE				20/1P	51		52	20/1P				SPARE
SPARE				20/1P	53		54	20/1P				SPARE
TOTAL	58.6	49.4	49.0						65.5	59.4	45.9	TOTAL
TOTAL CONNECTED AMPS A: 124.1 B: 108.8 C: 94.9												

MECHANICAL CONNECTION SCHEDULE										
TAG	MCA	HP/KW	LOAD	MOC	VOLTS	Ø	CIRCUIT #	DISCONNECT	CONDUIT AND WIRE	NOTES
DSS-1A							L1-1			NOTE 2
DSS-1B	18.0 A	-	14.4 A	30 A	208	1	L1-1	30A-2P,FU@30A,3R	2 #10, 1 #10 GND - 1/2" C	NOTE 3
EF-1	-	0.08 KW	0.1 A	0 A	120	1	NOTE 4	INTEGRAL	2 #12, 1 #12 GND - 1/2" C	1
EF-2	-	0.08 KW	0.1 A	0 A	120	1	NOTE 4	INTEGRAL	2 #12, 1 #12 GND - 1/2" C	1
WH-1	5.0 A	-	4.0 A	20 A	120	1	L1-5	MOTOR-RATED SWITCH	2 #12, 1 #12 GND - 1/2" C	1
HWRP-1	-	1/3 HP	7.2 A	20 A	120	1	L1-7	MOTOR-RATED SWITCH	2 #12, 1 #12 GND - 1/2" C	1

NOTES:
1. COORDINATE ALL CONNECTIONS TO EQUIPMENT WITH MECHANICAL SUB-CONTRACTOR AND APPROVED SHOP DRAWINGS.
2. INTERCONNECT DSS-1A AND DSS-1B AS RECOMMENDED BY MANUFACTURER.
3. PROVIDE DISCONNECTING MEANS FOR INDOOR UNIT AS RECOMMENDED BY MANUFACTURER.
4. CONNECT TO NEAREST UNSWITCHED RECEPTACLE CIRCUIT.



V: 757-491-6654 F: 757-499-0926



CHA PROJECT	21293
ISSUE DATE	11.10.2022
REVISION NO.	DATE
5	2023.08.16

RISER, AND SCHEDULES

ELECTRICAL SPECIFICATIONS

SECTION 260500 - GENERAL PROVISIONS

PART 1 - GENERAL

1.1 Codes and standards - the latest effective publications of all applicable standards, codes, etc., as they apply, form part of these specifications as if were written fully herein and constitute minimum requirements. The following will be referred to throughout in abbreviated forms.

- A. National Electrical Code, (NFPA 70) (NEC).
- B. Institute of Electrical and Electronic Engineers (IEEE).
- C. Rules and regulations of local electric utility company.
- D. National Electrical Manufacturer's Association (NEMA).
- E. American National Standards Institute (ANSI).
- F. Applicable local codes.
- G. Underwriter's Laboratories, Inc. (UL).
- H. National Fire Protection Association (NFPA).
- I. Virginia Uniform Statewide Building Code

1.2 Scope of work - provide all work required for this division including all labor, materials, equipment, appurtenances and services to provide complete electrical systems as shown on the drawings and specified in this division of the specifications. The word "provide" shall mean "furnish and install complete and ready for use".

1.3 The Contractor shall visit the site prior to bid to determine the extent of the work. Lack of knowledge of existing conditions will not be considered a basis for change orders. Prior to ordering equipment, verify that equipment to be provided under this contract is acceptable and can fit into bldg. and room. Expense incurred by the Contractor, which in the Engineer's opinion could have been avoided by this step, shall not be a basis for change orders.

1.4 Drawings and specifications - the drawings are diagrammatic and indicate the general extent, character and arrangement of equipment, fixtures and conduit and wiring systems. It is the intention of these specifications and drawings to fully cover all work and materials for a complete, first-class electrical installation, and any devices such as pull boxes and disconnect switches, usually employed in this class of work, though not specifically mentioned or shown on the drawings or in this specification, but which may be necessary for the satisfactory completion of the work, shall be furnished and installed by the Contractor as a part of his total work under this Division. Consult the specifications and drawings of all other trades and perform all electrical work required therein. Cooperate with all other Contractors or Subcontractors to furnish complete workable systems.

1.5 During construction, keep an accurate record of all deviations between the work as shown on the contract drawings and that which is actually installed on a set of blue line prints of the electrical drawings, and note changes thereon with red marks, in a neat and accurate manner. When all revisions have been shown on these prints to indicate the work as finally installed, the prints shall be delivered to the Engineer, before final payment.

1.6 Permits, inspection and tests - the right is reserved to inspect and test any portion of the installation/equipment during the progress of its installation. This Contractor shall test all wiring for continuity and grounds before connecting any fixtures or devices. This Contractor shall test the entire system when the work is finally completed to ensure that all portions are free from short circuits and grounds.

1.7 Secure and pay for all required permits and inspections. Inspection certificates from local authorities having jurisdiction shall be delivered to the Owner before final payment.

1.8 Submittals - submit shop drawings, product data and samples within thirty (30) days of award of contract and in accordance with the general conditions and supplementary conditions. Submittals are required for all items provided under this specification. Review of submittals by the Engineer and any associated action taken by the Engineer does not relieve the Contractor of any requirements set forth by the contract documents.

PART 2 - PRODUCTS

2.1 Manufacturing standards - materials shall be new and approved and labeled by UL wherever standards have been established by that agency. Defective equipment or equipment damaged in the course of installation or test shall be replaced or repaired in a manner meeting the approval of the Owner. All items of the same type and rating shall be identical.

2.2 Trade names - unless specifically identified otherwise, manufacturers' names and catalog numbers indicated herein and on the drawings are not intended to be proprietary designations. They are to indicate general type and quality of materials and equipment required. Equipment and materials by other manufacturers which in the opinion of the Engineer are of equal quality and which will produce the same results will be considered acceptable.

2.3 Disconnect switches and power wiring up to and including motor connections for all equipment provided under other divisions of this specification shall be included in this division. Where manual motor control switches for single phase motors are indicated, they shall be provided and wired complete under this division. Motor controllers and motor starters furnished under other divisions shall be set in place and connected to source and load under this division. In general, motors will be provided with the equipment they drive and are not part of this work under this division, except that they shall be connected hereunder.

2.4 Obtain approved shop drawings showing wiring diagrams, connection diagrams, roughing-in and hookup details, from other involved Contractors for all equipment and comply therewith.

2.5 Control, interlock, and internal equipment wiring regardless of voltage will be provided under the respective division where the equipment is shown unless specifically shown here.

2.6 Grounding - the entire electrical system, including equipment frames, conduit, switches, controllers, wireways, neutral conductors, and all other such equipment shall be permanently and effectively grounded in accordance with the NEC. Ground rods shall be copper clad steel, 3/4" diameter by 10'-0" long. Grounding of each transformer secondary shall be provided and each shall be considered as a separate service ground. Provide a separate ground conductor in all branch circuit conduits sized in accordance with the NEC.

2.7Schedule of work - the schedule of the electrical work shall be arranged to suit the progress of work by the other trades and shall in no way retard progress of construction of the project.

2.8Work under this division shall proceed in advance of the work of others whenever possible, eliminating all cutting and patching. When such procedure is impossible, cutting and patching shall be done in an approved manner. Cutting shall not endanger structural integrity in any way. Patching shall exactly match contiguous work. Actual work of cutting and patching of existing surfaces shall be performed by the Subcontractor who originally prepared these surfaces, e.g., cutting and patching of masonry wall will be performed by the masonry Subcontractor. Costs of such cutting and patching shall be borne by the electrical Subcontractor. Cutting shall be carefully done and damage to building, piping, wiring or equipment as a result of cutting shall be repaired by skilled mechanics of trade involved.

2.9Storage and materials - space will be assigned to the Contractor by the Owner for the storage of materials. This Contractor will be responsible for the protection and safekeeping of materials, tools, and equipment. All materials and equipment shall be kept in its assigned place until the time of its installation. Excess materials, dirt and refuse shall be promptly removed from the work site.

2.10 Labeling of equipment

A. All panelboards, cabinets, safety switches, motor disconnect switches, and motor controllers shall be identified by machine engraved laminated plastic designation plates permanently attached thereto with self-tapping screws or rivets. All component parts of each item of equipment or device shall bear the manufacturer's nameplate, giving name of manufacturer, description, size, type, serial and model number and electrical characteristics in order to facilitate maintenance or replacement.

2.11 Coordination - cooperate and coordinate efforts with all Contractors on the project. This is especially important in determining exact locations of all switches, receptacles and lighting fixtures. Arrange lighting fixtures in accordance with the architectural reflected ceiling plans unless otherwise indicated. Coordinate lighting fixture locations with grilles, diffusers, access panels, etc. Verify ceiling and wall construction and material prior to ordering lighting fixtures or other devices to ensure proper fixture or device is furnished to match construction. This verification must be executed regardless of information placed on the drawings. Any cost incurred which in the opinion of the Owner, could have been avoided by this step shall be the responsibility of the electrical Contractor.

2.12 Guarantee of work - Contractor guarantees by his acceptance of the contract that all work installed is free from any and all defects in workmanship and/or materials, and that the apparatus will develop capacities and characteristics specified, and that if, during the period of one year or as otherwise specified, from date of certificate of completion and acceptance of the work any such defects in workmanship, material or performance appear, he will, without cost to the Owner, remedy such defects within a reasonable time to be specified in notice. In default thereof, the Owner may have such work done and charge cost to Contractor. Equipment guarantees from date of "start-up" will not be recognized.

PART 3 – EXECUTION

3.1 The installation shall be complete including but not limited to the requirements indicated on the drawings and in these specifications.

3.2 Contractor shall thoroughly coordinate and comply with the manufacturer's requirements. Coordination shall be accomplished prior to commencing work.

3.3 All work shall be accomplished in a neat and workmanlike manner consistent with commercial construction practices, code requirements and the local authority having jurisdiction.

SECTION 260519 - CONDUCTORS

A. Conductors and insulation - wire and cable shall be soft drawn, annealed copper with 600 volt color coded insulation. Minimum wire size shall be #12 awg. Insulation for branch circuits and feeders shall be type THHN-2-THWN-2 or XHHW-2. Conductors No. 8 AWG and larger diameter shall be stranded. Conductors No. 10 AWG and smaller diameter shall be solid, except that conductors for remote-control and signal circuits, classes 1, 2, and 3, may be stranded.

B. Provide a separate ground conductor in all raceways sized in accordance with the NEC.

C. Joints and terminations - for conductors #12 and #10 all fixture and branch circuits joints in junction and outlet boxes shall be made with UL listed pressure type connectors rated at 600 volts and 105 degrees C. Connectors shall be Ideal Industries "Wing-Nut" or Buchanan "B-Cap", 3M "Scotch-Lok" connectors or equal. Wire #8 and larger shall be joined or terminated with solderless pressure connectors properly taped in layers to form a moisture-tight joint.

D. All wiring shall be in conduit unless otherwise noted.

SECTION 260533 - RACEWAY, FITTINGS AND BOXES

A. Raceways - conduit shall be hot-dipped, zinc coated or sherardized rigid steel (RS), intermediate metal conduit (IMC), electrical metallic tubing (EMT), or Schedule 40 Poly/Vinyl Chloride (PVC).

B. Flexible conduit shall be galvanized, continuous spiral, single strip type. Flexible conduit shall be covered with PVC jacket in wet or damp locations. Provide suitable fittings with ground connector.

C. Fittings - all conduit entering or leaving outlet, junction or pull boxes, and cabinets and all conduit stubs shall have bushings. Provide insulating bushings where required by NEC. Provide expansion fittings with bonding jumper where conduits cross expansion joints.

1. Fittings for RS and IMC shall be threaded type.

2. Fittings for EMT shall be threadless, approved for the conditions encountered and may be cast setscrew type or compression type.

D. Fittings for PVC shall be PVC, primed and glued.

E. Outlet boxes and junction boxes - outlet boxes shall be pressed steel, electro-galvanized or cadmium plated with clean cut, easily removable knockouts. Except as noted hereinafter minimum size outlet box shall be 4" square, 1 1/2" deep, and shall be increased in dimensions to accommodate conductors, conduits, and devices as required by the NEC. Shallower boxes may be used where required by structural conditions. Provide suitable plaster-rings to match wall construction and device. Ceiling and bracket outlet boxes shall be not less than 4" octagonal, 1 1/2" deep except that smaller boxes may be used where required by particular fixture to be installed.

F. Non metallic outlet boxes may be provided in PVC raceway systems. Outlet boxes in wet or damp locations shall be cast-metal, threaded hub-type with gaskets.

G. Junction or pull boxes not over 100 cubic inches in volume shall be standard outlet boxes. Junction boxes over 100 cubic inches in volume shall be constructed of code gage, galvanized sheet steel. Junction boxes shall have removable covers and shall be accessible after completion of work.

H. Raceway and fitting installation - run conduits concealed within finished walls, ceilings and floors. Conduits may be run exposed in mechanical rooms and spaces with exposed construction. Conduit shall be supported at intervals of not more than 8'. Run exposed conduit parallel or perpendicular to walls, structural members, or intersections of vertical planes and ceiling. Conduit larger than 1" nominal diameter shown in floor slab shall be run under the slab. Conduit 1" and smaller may be run in the floor slab where practicable.

I. Support conduits by pipe straps, wall brackets, strap hangers, or ceiling trapeze.

J. Conduit run outside of building shall be buried a minimum of 24" below finished grade.

K. Do not install EMT outdoors, or underground, or encased in concrete, or in hazardous areas, or in areas subject to severe physical damage.

L. Do not install PVC in or through fire rated assemblies, in or through any walls, in or through any ceilings, in hazardous areas, in areas subject to severe physical damage, or exposed anywhere in the project.

M. Conduit run underground, under slab, or within concrete encasement may be polyvinyl chloride (PVC) or RS or IMC conduit protected with 2 coats of bitumastic paint. Convert PVC to RS or IMC before rising through floor slab or rising out of soil. Conduit run beneath slab shall be properly suspended from slab such that sub-slab settlement will not adversely affect electrical system.

N. Sleeves - All electrical system conduit shall have sleeves where conduit passes through concrete slabs except concrete slabs in contact with grade. All conduit 1 1/4 inch and larger running concealed above ceiling shall have sleeves where the conduit passes through masonry, tile and gypsum wall construction. Sleeves shall be constructed of galvanized steel pipe, Schedule 40. Provide escutcheon plates for all exposed conduit passing through walls, floors and ceilings. Where plates are provided for conduits passing through sleeves, which extend above the floor surface, provide deep recessed plates to conceal the sleeves. Terminate sleeves flush with wall, partitions and ceilings. In areas where conduits are concealed, as in chases, terminate sleeves flush with floor. In finished areas, where conduits are exposed, extend sleeves 1/2 inch above finished floor, except in rooms having floor drains extend sleeves 1 inch above floor. Fasten sleeves securely in floors, walls, so that they will not become displaced when concrete is poured or when other construction is built around them. Where sleeves pass through floors or fire rated walls provide proper sealant around conduit to maintain fire rating.

SECTION 262416 - PANELBOARDS

A. Panelboards - panelboards shall be dead-front, circuit breaker equipped with trip ratings and frame sizes as shown on the drawings. All current-carrying parts of the bus assembly shall be plated.

B. Each panelboard shall be provided with a hinged cover with a flush latch and lock with two keys and keyed the same as all other panelboards. Entire front trim shall be hinged to box with standard door within hinged trim cover. Each panel shall be equipped with typewritten directory card, card holder, transparent protection and complete identifying data on inside of door.

C. Panelboards shall be equal to SQUARE-D, Type NQOD, NF, or I-LINE (HCN, HCM, HCP, HCW, HCWM, HCP-SU, HCR-U), or equal products by Cutler Hammer, Siemens, or G.E.

D. Circuit breakers shall be provided as indicated on drawings and be fully compatible with panelboards. Circuit breakers shall conform to latest UL and NEMA standards and shall bear UL labels.

1. Circuit breakers shall be single, double pole, or three pole thermalmagnetic quick-make, quick-break trip-free on overload or short circuit alternating current circuit breakers with trip ratings and frame size as shown on the drawings. Branch circuit breakers shall provide inverse time delayed tripping on overloads and instantaneous tripping on short circuits. Trip indication shall be clearly shown by the breaker handle taking position between ON and OFF when the breaker is tripped. Double and three-pole breakers shall be common trip type. Sub-feed breakers are not acceptable.

2. HACR type circuit breakers shall be provided for all circuits serving mechanical equipment.

3. Circuit breakers shall be fully rated for the available fault current, series ratings are not acceptable, unless stated otherwise on drawings.

4. Circuit breakers shall be installed in conformance with panelboard manufacturer's recommendations.

SECTION 262726 - WIRING DEVICES

A. Wiring devices shall be "specification grade" as manufactured by General Electric, Slater (Medalist), Arrow-Hart, Bryant, Hubbell or Pass & Seymour. Device finishes shall be white.

B. Provide samples of each device type and cover plate specified herein for Owner/Architect approval.

C. Local switches shall be single pole, double pole, three way and four way as shown on the drawings, black plastic cup with red plastic cover, plastic handle, back or side wired, 20 ampere, 120/277 volts.

D. Automatic-wall-switch occupancy or vacancy sensor as indicated, suitable for mounting in a single gang switchbox. 180-degree field of view, field adjustable from 180 to 40 degrees; with a minimum coverage area of 900 sq. ft. Dual technology unless otherwise indicated on drawings.

E. Duplex convenience receptacles shall be plastic, 20 ampere, 125 volts, 2 pole, 3 wire NEMA and ASA standard, grounding type.

F. Weatherproof receptacles shall be in cast metal box with gasketed, weatherproof, cast-metal cover plate and gasketed "while in use" cover.

G. Ground fault circuit interrupting receptacles shall conform to NEC, shall be UL listed, plastic, shall have a "push-to-test" button and visible indication of a tripped condition.

H. Device plates on unfinished walls and on fittings, shall be zinc-coated sheet steel having rounded or beveled edges. On finished walls, plates shall be smooth, high-impact thermoplastic 0.035-inch-thick finish to match device with beveled edges.

I. Photocell switch shall be hermetically sealed cadmium-sulfide cell with single pole double-throw (SPDT) contacts for control of mechanically held contactors rated 1000 watts and 120 volts. Provide switch in a high-impact-resistant noncorroding and nonconductive molded plastic housing with a locking-type receptacle. A time delay shall prevent accidental switching from transient light sources. Provide a directional lens in front of the cell to prevent fixed light sources from creating a turnoff condition. Aim switch according to manufacturer's recommendations.

SECTION 262810 – SAFETY SWITCHES

A. Safety switches - safety switches shall be rated at 600 or 240 volts with number of poles and current rating as indicated. Switches shall be fused or non-fused type as indicated, NEMA type GD or HD as required, with full cover interlocks and quick-make, quick-break mechanism.

SECTION 265100 - LIGHTING FIXTURES

A. Fixtures – fixtures shall be as indicated in schedule.

B. LED DRIVERS

1. LED Electronic Drivers shall be UL approved and shall have the following characteristics:

- a. Electronic with Input Voltage range as shown on the drawings ±10%, 50/60 Hz, with primary fusing.
- b. Output Drive Current shall be 350mA maximum, +/- 5%.
- c. Power Factor shall be >90% at full load with THD <20% at full load
- d. Load regulation shall be +/- 1% from no load to full load
- e. Output shall be isolated
- f. Case temperature shall be rated for -40°C through +80°C and provided with thermal protection and self-limited short circuit and overload protection.
- g. Driver Life Rating shall have less than 0.5% failure rate at the LED module's maximum L70 rated life.
- h. Dimming Range: 100 to 10 percent of rated lamp lumens.

2. Driver Manufacturer

Drivers shall be considered acceptable for approval as manufactured by the following LED Driver manufacturers.

- a. Advance Transformer Co.
- b. Magtech
- c. Thomas Research Products (TRP)
- d. Osram/Sylvania

C. LED FIXTURES

1. Life Rating (L70) – Provide L70 documentation, defined as time of operation (in hours) to 30% lumen depreciation (70% lumen maintenance), derived from temperature measurement testing under UL1598 environments and directly correlated to LED package manufacturers IESNA LM-80-08 data.

2. Mechanical – Housing shall be designed specifically for use with LED components and incorporate high performance Thermal Management methods, i.e. heat sink(s). No active thermal management/cooling features (i.e. fans), etc. will be allowed. Luminaire configuration shall allow for modular replacement and/or field repair of all electrical components (i.e. LED modules, Drivers, etc.).

3. LED Module Manufacturers

LED modules considered acceptable for approval are as manufactured by the following LED component (chip) manufacturers.

- a. Nichia Corporation.
- b. Cree, Inc
- c. Philips LumiLED
- d. Osram Opto Semiconductors

D. Ballasts which are not quiet and hum-free will be rejected and shall be replaced.

E. Ballasts in unconditioned spaces or outdoors shall be rated for operation in high or low temperature environments.

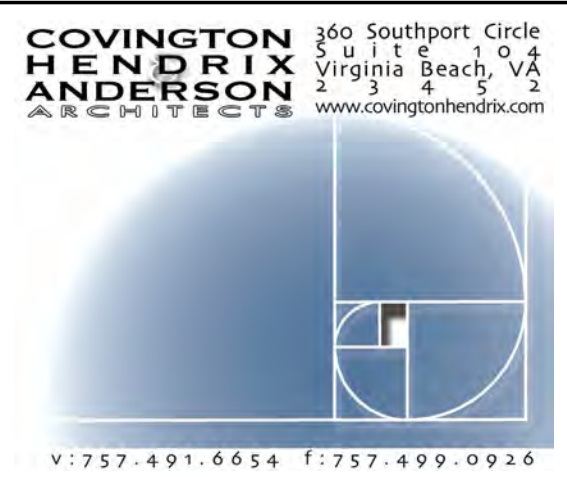
F. No fixtures shall be hung with zip-clips.

G. LIGHTING FIXTURE SUPPORT

All recessed lighting fixtures shall be independently supported from the ceiling grid or framing system. Each fixture shall have a minimum of two #12 AWG wires supporting opposite corners of the fixture and attached to the structure above.

SECTION 271000 - TELECOMMUNICATIONS CONDUIT SYSTEMS

A. Provide complete system of empty conduit, outlets, fittings, appurtenances, equipment backboards and equipment cabinets for installation of the telephone and other communication systems. Provide outlets, fittings and minimum 1" conduit in all runs in accordance with Section entitled "RACEWAY AND FITTINGS". Provide 3/4" thick plywood backboards secured to walls where shown for mounting of telephone terminals and equipment. Provide nylon pull string in each conduit run. Install telephone conduits, outlet boxes, cabinets and backboards, including point of service in accordance with requirements of local telephone company and/or Owner's Information Technology department.



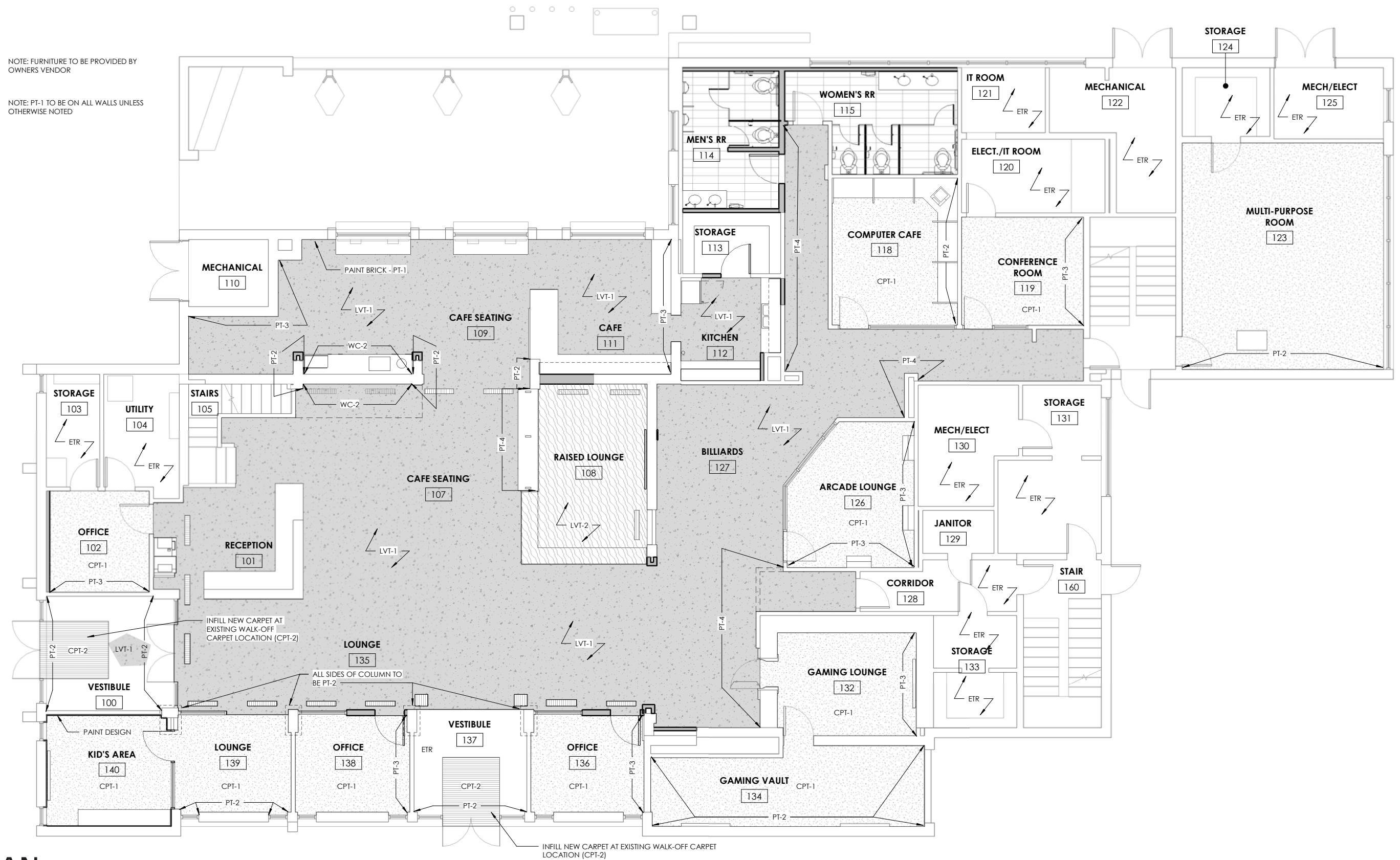
CHA PROJECT	21293
ISSUE DATE	11.10.2022
REVISION NO.	DATE

SPECIFICATIONS

E7.1

NOTE: FURNITURE TO BE PROVIDED BY OWNERS VENDOR

NOTE: PT-1 TO BE ON ALL WALLS UNLESS OTHERWISE NOTED



FINISH PLAN

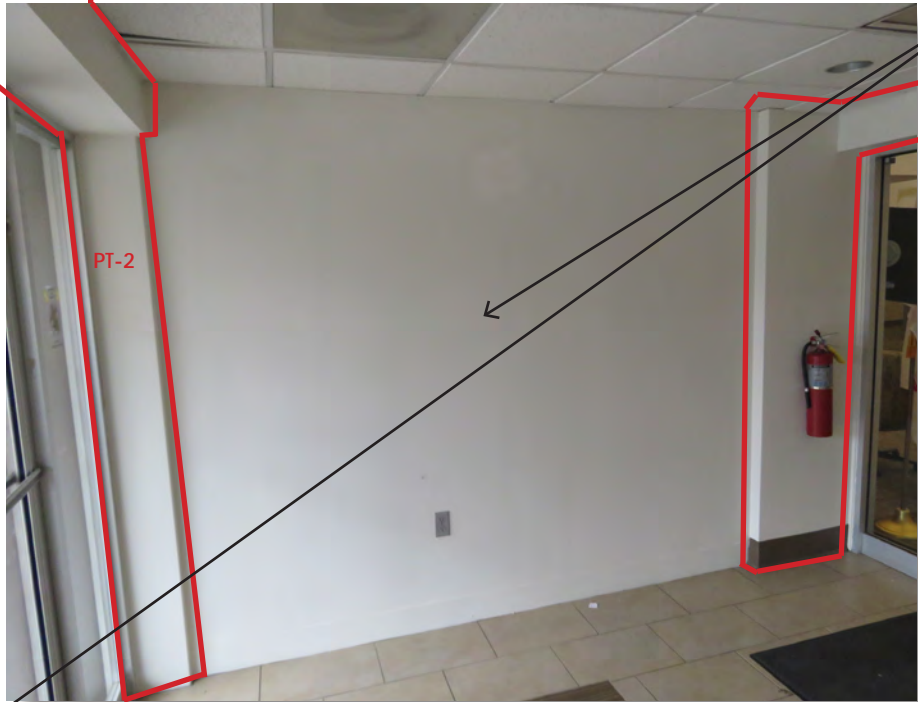


SCHEMATIC PACKAGE FOR USO FORT BENNING FORT BENNING, GEORGIA

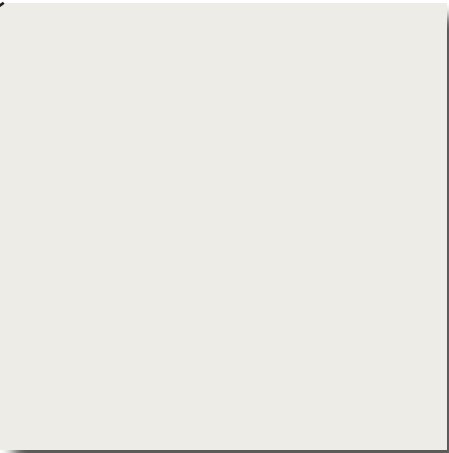
CHA PROJECT 21293
DATE 04.06.2023



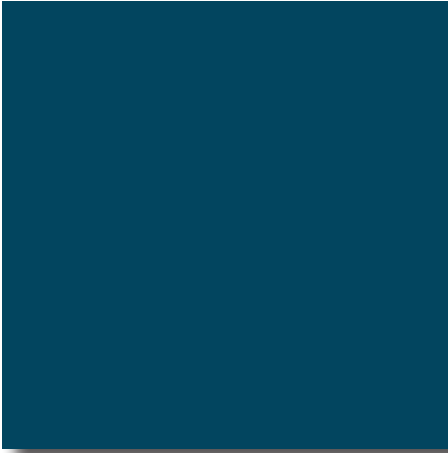
VESTIBULE 100



VESTIBULE 100



PT-1 FIELD PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: PURE WHITE SW7005
NOTE: ALL WALL TO BE PAINTED PT-1
UNLESS OTHERWISE NOTED



PT-2 ENTRY ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: LOYAL BLUE SW6510



VESTIBULE 137



VESTIBULE 137



LVT-1
MANUFACTURER: PATCRAFT
COLLECTION: INSET
COLOR: DUSK BRONZE



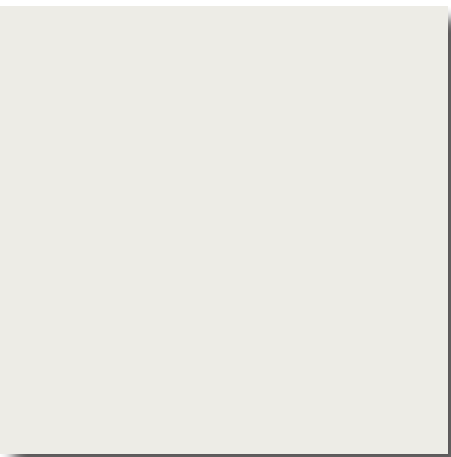
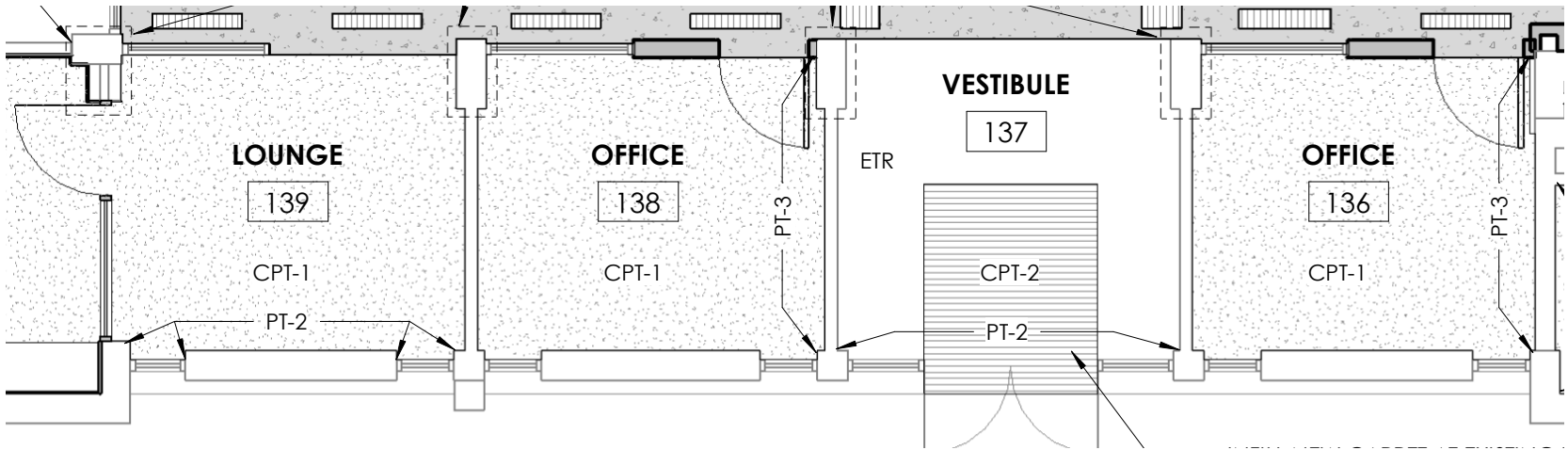
(CPT-2) WALK OFF CARPET
MANUFACTURER: MANNINGTON COMMERCIAL
COLLECTION: FRITION
STYLE: INERTIA
COLOR: KINETIC (11360)
SIZE: 18" X 36"

ENTRY



SCHEMATIC PACKAGE FOR USO FORT BENNING FORT BENNING, GEORGIA

CHA PROJECT 21293
DATE 04.06.2023



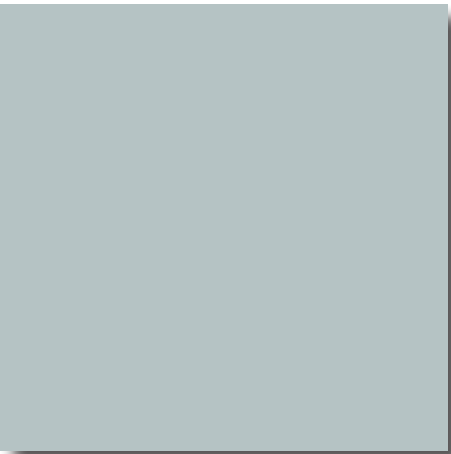
PT-1 FIELD PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: PURE WHITE SW7005
NOTE: ALL WALL TO BE PAINTED PT-1
UNLESS OTHERWISE NOTED



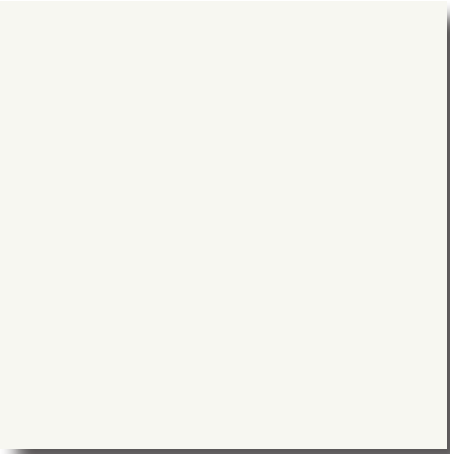
PT-2 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: LOYAL BLUE SW6510



OFFICE GLASS FRAMES



PT-3 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: NIEBLA AZUL SW9137



PT-5 FRAME PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: HIGH REFLECTIVE WHITE SW7757



CPT-1 OFFICE CARPET
MANUFACTURER: SHAW CONTRACT
COLLECTION: HAVEN
STYLE: HONEST TILE
COLOR: ESPRESSO
SIZE: 9" X 36"
INSTALLATION: HERRINGBONE



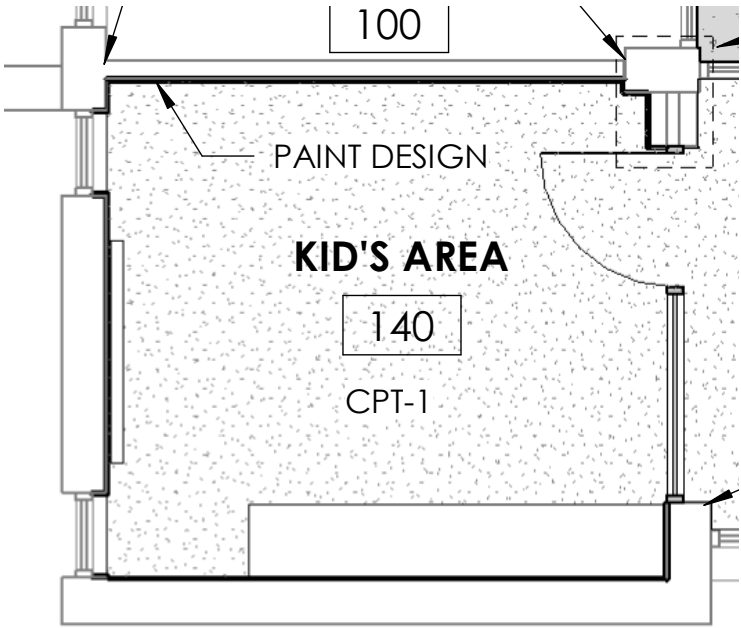
VB-1 VINYL WALL BASE
MANUFACTURER: TARKETT
COLOR: BURNT UMBER

OFFICE / LOUNGE FINISHES

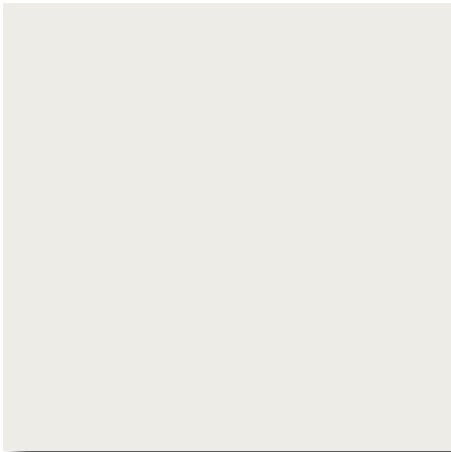


SCHEMATIC PACKAGE FOR
USO FORT BENNING
FORT BENNING, GEORGIA

CHA PROJECT 21293
DATE 04.06.2023



KIDS ROOM WALL PAINT DESIGN
INSPIRATION



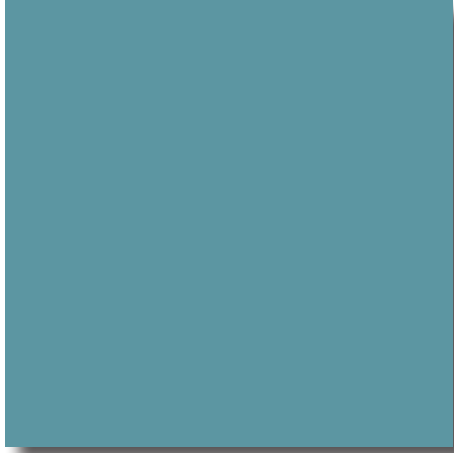
PT-1 FIELD PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: PURE WHITE SW7005
NOTE: ALL WALL TO BE PAINTED PT-1
UNLESS OTHERWISE NOTED



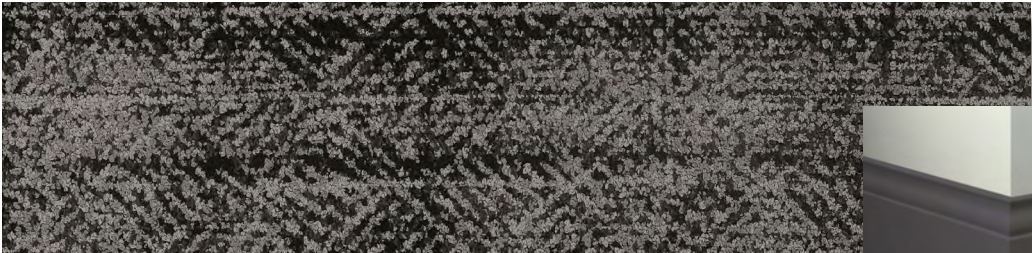
PT-2 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: LOYAL BLUE SW6510



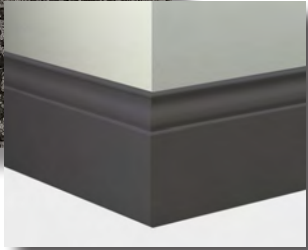
PT-3 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: NIEBLA AZUL SW9137



PT-4 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: LAKESHORE SW6494



CPT-1 KIDS ROOM CARPET
MANUFACTURER: SHAW CONTRACT
COLLECTION: HAVEN
STYLE: HONEST TILE
COLOR: ESPRESSO
SIZE: 9" X 36"
INSTALLATION: HERRINGBONE



VB-1 VINYL WALL BASE
MANUFACTURER: TARKETT
COLOR: BURNT UMBER



EXISTING SPACE
(WOOD PANELING TO BE REMOVED)

KIDS AREA FINISHES



SCHEMATIC PACKAGE FOR
USO FORT BENNING
FORT BENNING, GEORGIA

CHA PROJECT 21293
DATE 04.06.2023



WC-1 ACCENT WALLCOVERING
MANUFACTURER: NATIONAL
COLLECTION: GRAPHIC WALLCOVERING
PATTERN: BALLAST II - FADED TEAL
COLOR: CUSTOM COLORS
NOTE: TO BE ABOVE SOFFIT SPANNING ACROSS WHOLE WALL

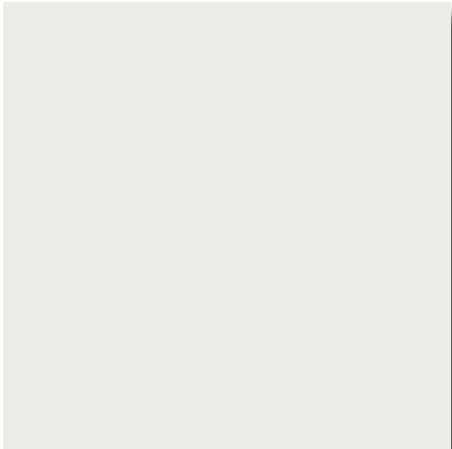


LVT-1
MANUFACTURER: PATCRAFT
COLLECTION: INSET
COLOR: DUSK BRONZE

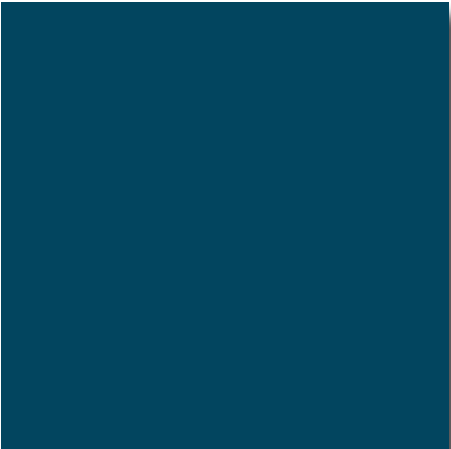


FELT COLOR- POIVRE

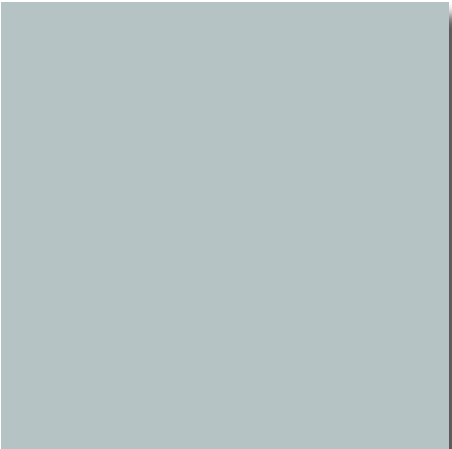
ATRIUM ACOUSTICAL PENDANT
MANUFACTURER: DELRAY
PRODUCT: ACOUSTICAL BAFFLE
COLLECTION: SABIN
STYLE: SHY- HYPERION



PT-1 FIELD PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR PURE WHITE SW7005
NOTE: ALL WALL TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED



PT-2 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: LOYAL BLUE SW6510



PT-3 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: NIEBLA AZUL SW9137

ATRIUM FINISHES

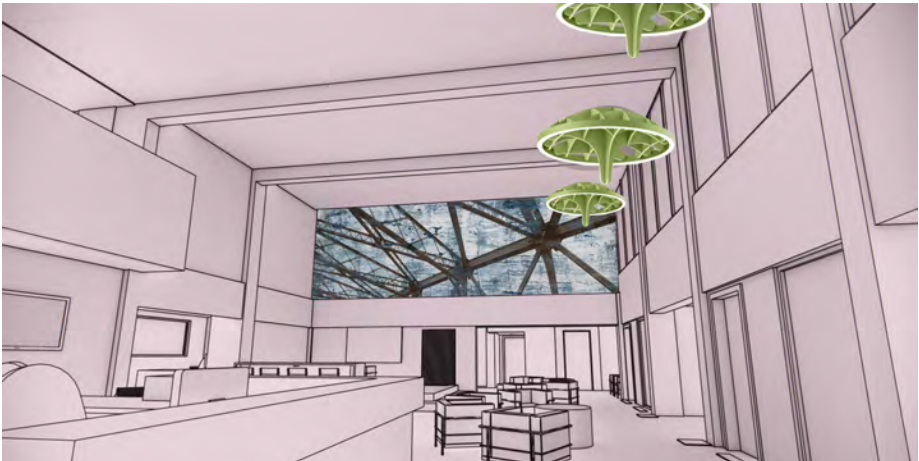


SCHEMATIC PACKAGE FOR
USO FORT BENNING
FORT BENNING, GEORGIA

CHA PROJECT 21293
DATE 04.06.2023



ORIGINAL PROPOSED DIGITAL WALLCOVERING - RECOLORED TO WORK WITH BLUE COLOR PALETTE



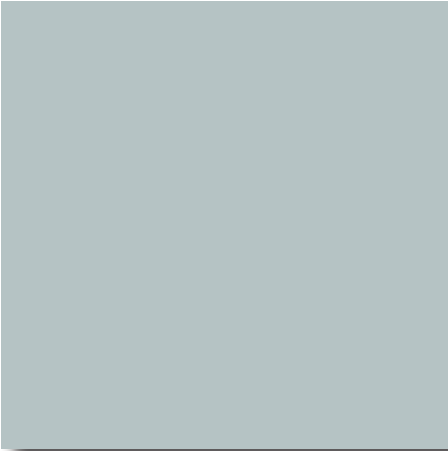
SECOND CHOICE
ATRIUM ACOUSTICAL PENDANT
MANUFACTURER: DELRAY
PRODUCT: ACOUSTICAL BAFFLE
COLLECTION: SABIN
STYLE: SHY- HYPERION



LVT-1
MANUFACTURER: PATCRAFT
COLLECTION: INSET
COLOR: DUSK BRONZE



PT-1 FIELD PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: PURE WHITE SW7005
NOTE: ALL WALL TO BE PAINTED PT-1
UNLESS OTHERWISE NOTED



PT-3 ACCENT PAINT @ BAND
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: NIEBLA AZUL SW9137



PT-4 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: LAKESHORE SW6494



LVT-2 RAISED LOUNGE LVT
MANUFACTURER: PATCRAFT
COLLECTION: TIMBER GROVE II
INSTALLATION: STAGGER
COLOR: SABLE



DECORATIVE ROPE INFILL



SS-1 LOUNGE SEATING COUNTERTOP
MANUFACTURER: WILSONART
COLOR: ANGEL FALLS



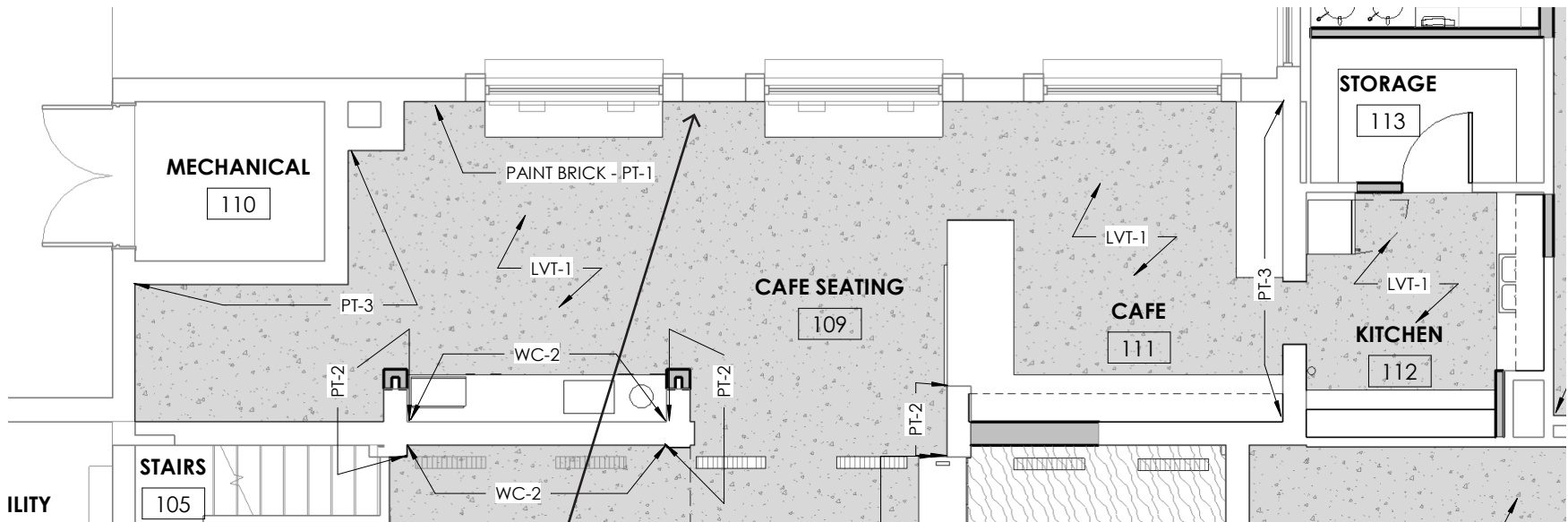
WC-1 ACCENT WALLCOVERING
MANUFACTURER: NATIONAL
COLLECTION: GRAPHIC WALLCOVERING
PATTERN: BALLAST II - FADED TEAL
COLOR: CUSTOM COLORS
NOTE: TO BE ABOVE SOFFIT SPANNING ACROSS
WHOLE WALL

RAISED LOUNGE FINISHES



SCHEMATIC PACKAGE FOR
USO FORT BENNING
FORT BENNING, GEORGIA

CHA PROJECT 21293
DATE 04.06.2023



EXISTING PASS THROUGH WINDOW TO REMAIN AND SERVE AS CAFE COUNTER HEIGHT SEATING

EXISTING BRICK TO BE CLEANED & PAINTED PT-1



WC-2 ACCENT WALLCOVERING
MANUFACTURER: MOMENTUM TEXTILES
PATTERN: MERINO
COLOR: PASHMINA



LT-6 HOSPITALITY STATION LIGHTING
MANUFACTURER: PRUDENT LIGHTING
MODEL: STREAM DOT SQUARE
COLOR: GLOSS WHITE
LOCATION: SEE REFLECTED CEILING PLAN



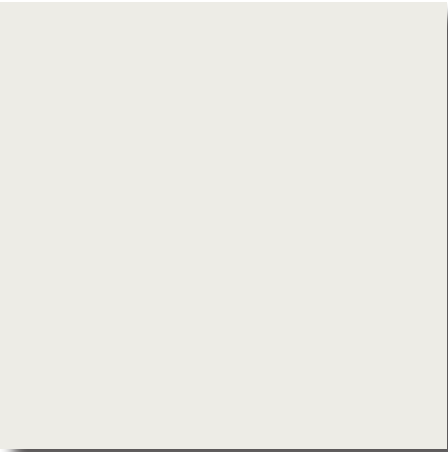
CASEWORK LAMINATE
MANUFACTURER: FORMICA
COLOR: DANISH MAPLE 8906
FINISH: MATTE (58)



SS-1 COUNTERTOP
MANUFACTURER: WILSONART
COLOR: ANGEL FALLS



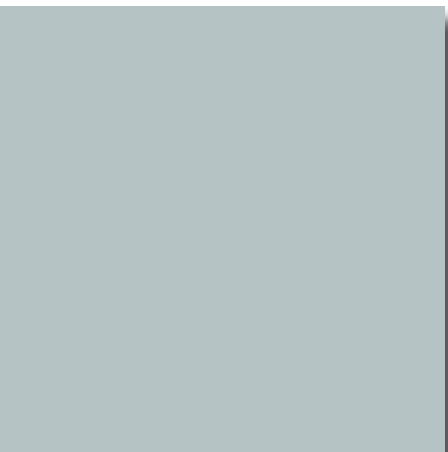
LVT-1
MANUFACTURER: PATCRAFT
COLLECTION: INSET
INSTALLATION: STAGGER
SIZE: 18 X 36
COLOR: DUSK BRONZE



PT-1 FIELD PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: PURE WHITE SW7005
NOTE: ALL WALL TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED



PT-2 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: LOYAL BLUE SW6510



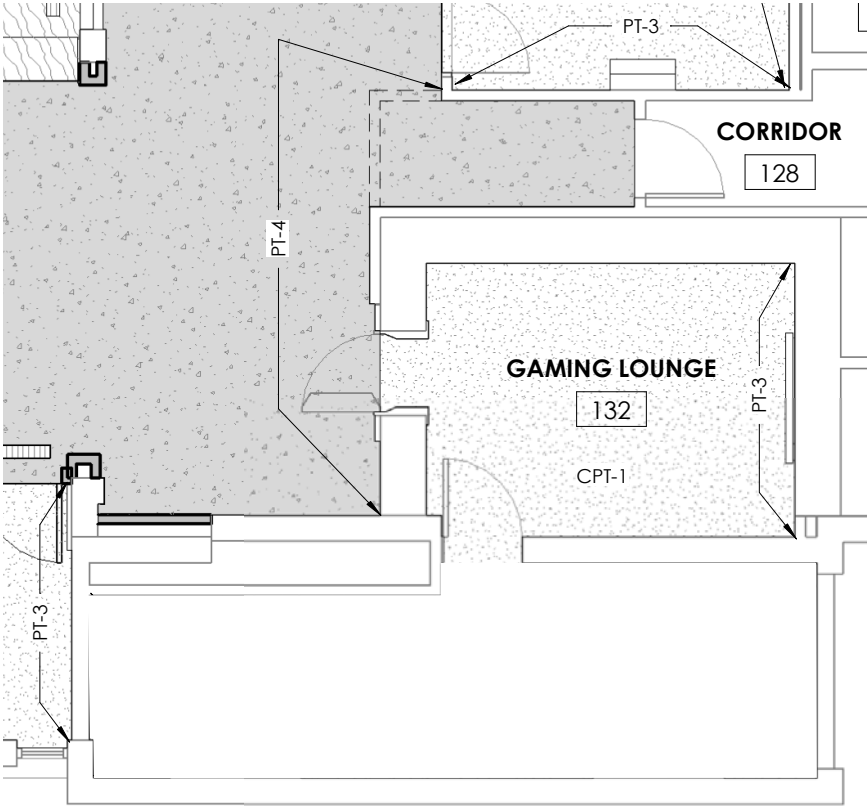
PT-3 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: NIEBLA AZUL SW9137

CAFE AND KITCHEN FINISHES

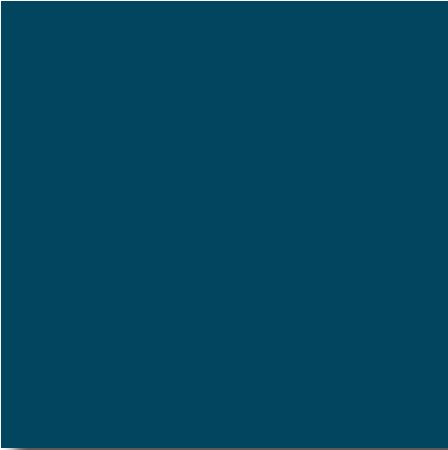


SCHEMATIC PACKAGE FOR
USO FORT BENNING
FORT BENNING, GEORGIA

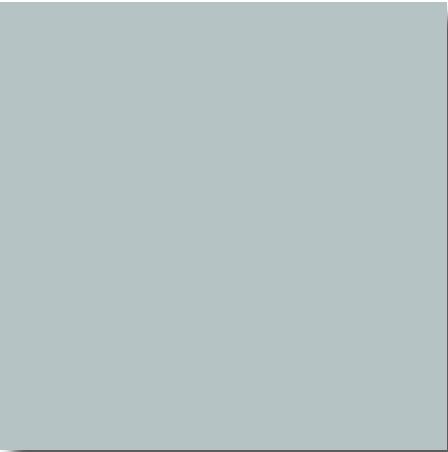
CHA PROJECT 21293
DATE 04.06.2023



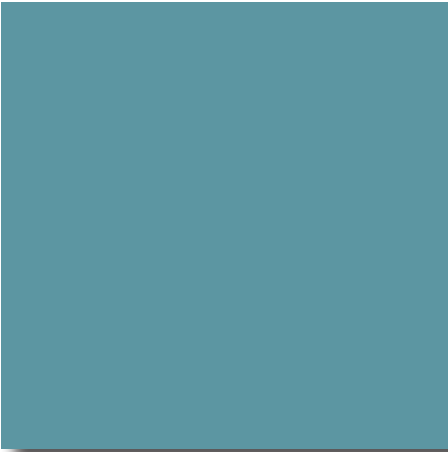
PT-1 FIELD PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: PURE WHITE SW7005
NOTE: ALL WALL TO BE PAINTED PT-1
UNLESS OTHERWISE NOTED



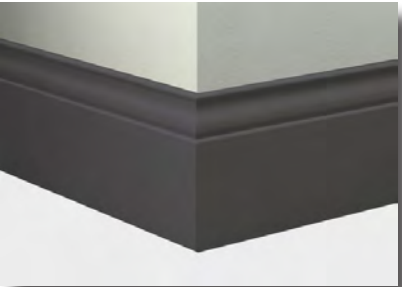
PT-2 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: LOYAL BLUE SW6510



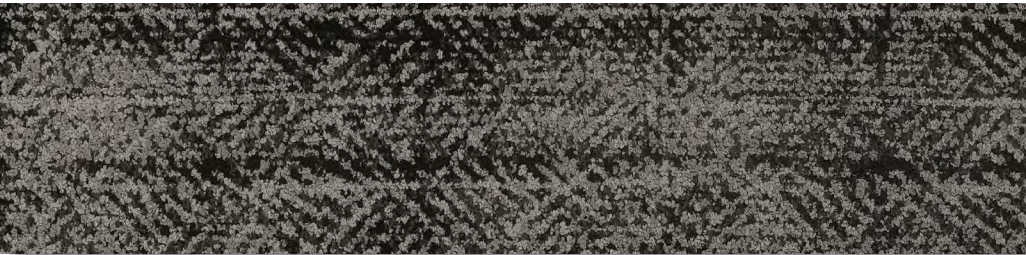
PT-3 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: NIEBLA AZUL SW9137



PT-4 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: LAKESHORE SW6494



VB-1 VINYL WALL BASE
MANUFACTURER: TARKETT
COLOR: BURNT UMBER



CPT-1 GAME VAULT CARPET
MANUFACTURER: SHAW CONTRACT
COLLECTION: HAVEN
STYLE: HONEST TILE
COLOR: ESPRESSO
SIZE: 9" X 36"
INSTALLATION: HERRINGBONE



GAME VAULT ENTRY TO REMAIN

GAME VAULT FINISHES



SCHEMATIC PACKAGE FOR
USO FORT BENNING
FORT BENNING, GEORGIA



12 x 24 FLOOR AND WALL TILE
MANUFACTURER: ATLAS CONCORDE
COLOR: PEBBLE
SIZE 12 X 24
INSTALLATION: MONOLITHIC
GROUT: IRON 107
NOTE: ALL WALL TO BE PAINTED PT-1
UNLESS OTHERWISE NOTED

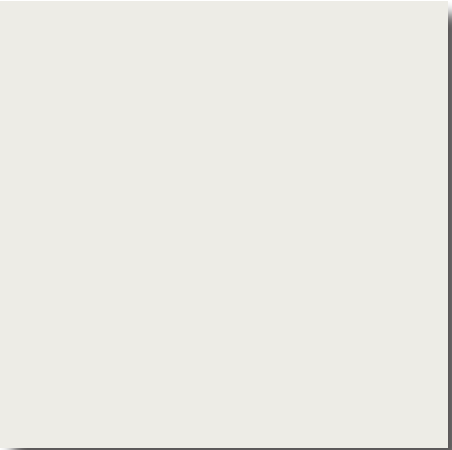


SS-1 LOUNGE SEATING COUNTERTOP
MANUFACTURER: WILSONART
COLOR: ANGEL FALLS



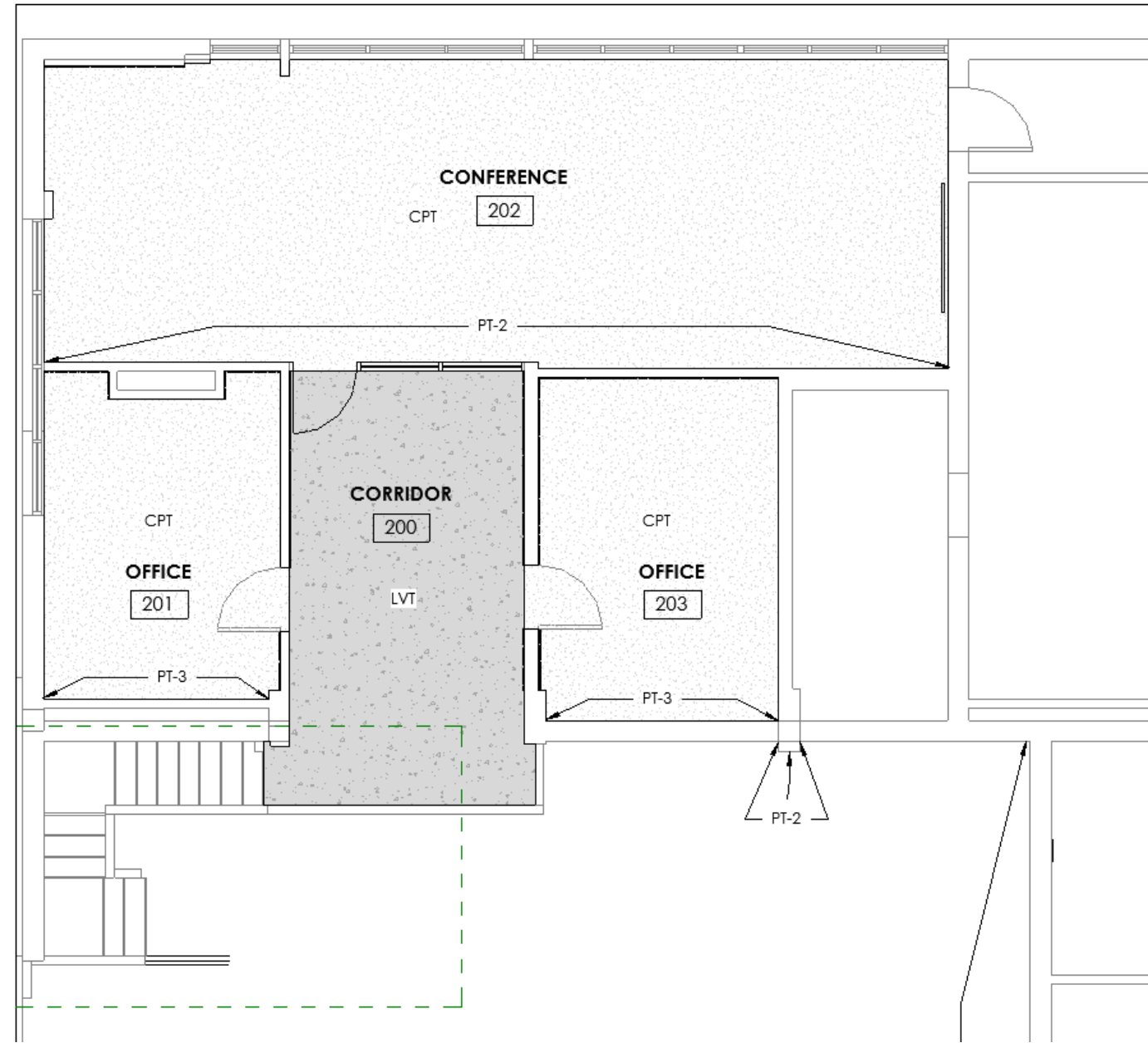
INSTALLATION

TOILET PARTITIONS
MANUFACTURER: FORMICA
COLOR: DANISH MAPLE 8906

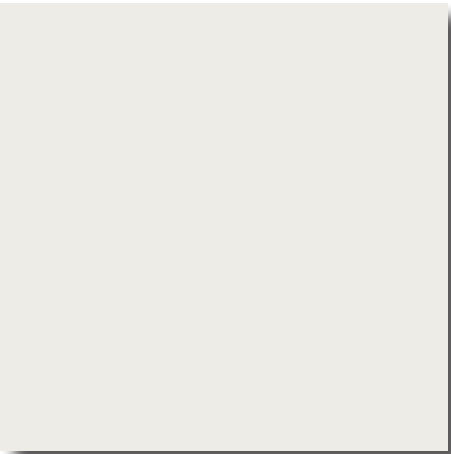


PT-1 FIELD PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: PURE WHITE SW7005
NOTE: ALL WALL TO BE PAINTED PT-1
UNLESS OTHERWISE NOTED

RESTROOM FINISHES



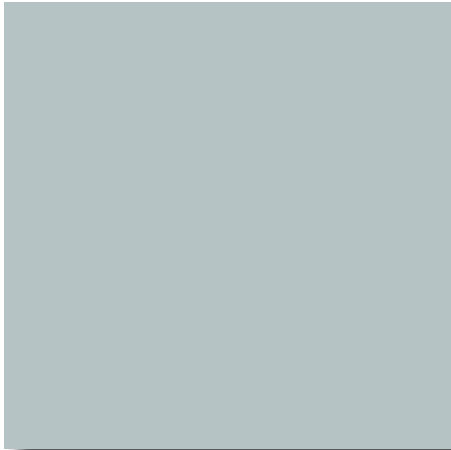
FINISH PLAN



PT-1 FIELD PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: PURE WHITE SW7005
NOTE: ALL WALL TO BE PAINTED PT-1
UNLESS OTHERWISE NOTED



PT-2 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: LOYAL BLUE SW65110



PT-3 ACCENT PAINT
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: NIEBLA AZUL SW9137

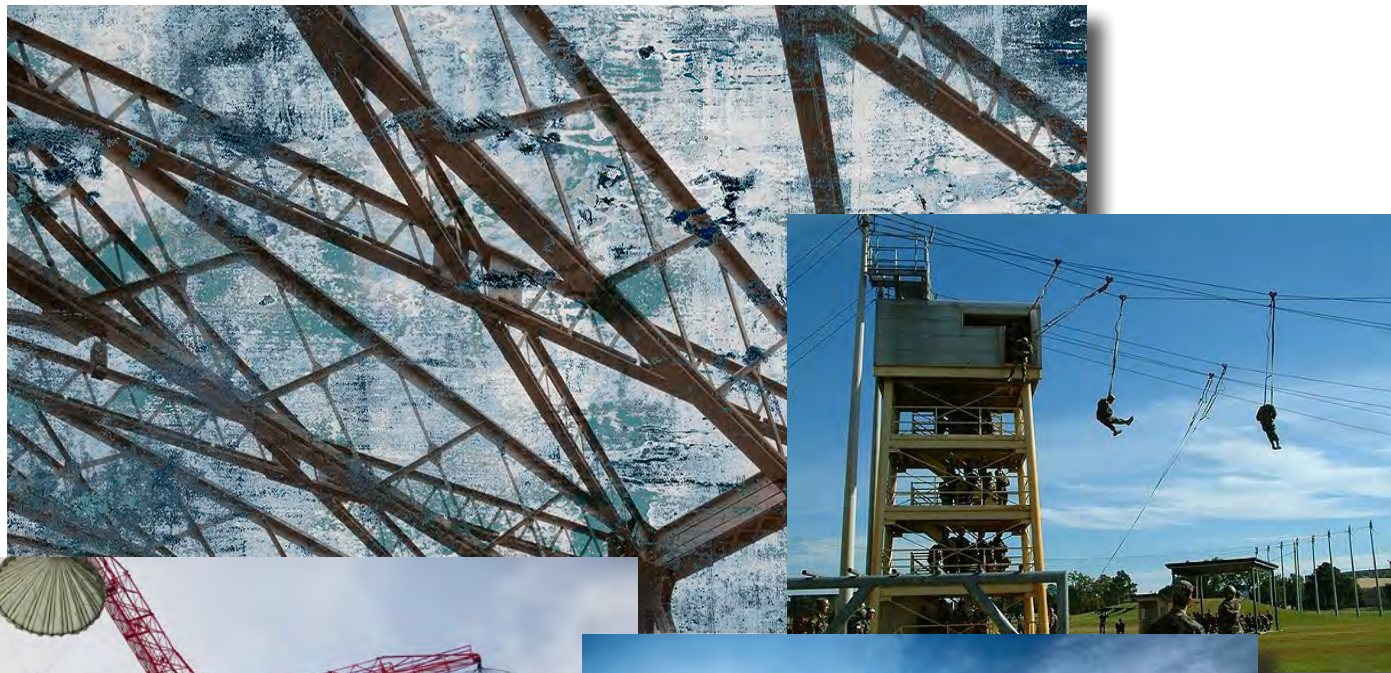


LVT-1 CORRIDOR 200 LVT
MANUFACTURER: PATCRAFT
COLLECTION: INSET
INSTALLATION: STAGGER
SIZE: 18 X 36
COLOR: DUSK BRONZE



CPT-1 2ND FLOOR OFFICE AND CONFERENCE
CARPET
MANUFACTURER: SHAW CONTRACT
COLLECTION: HAVEN
STYLE: HONEST TILE
COLOR: ESPRESSO
SIZE: 9" X 36"
INSTALLATION: HERRINGBONE

2ND FLOOR FINISHES



INTERIOR SIGNAGE INSPIRATION



WALL IMAGERY INSPIRATION



PRINTED CANVAS WALL ART INSPIRATION

ART INSPIRATION THROUGHOUT