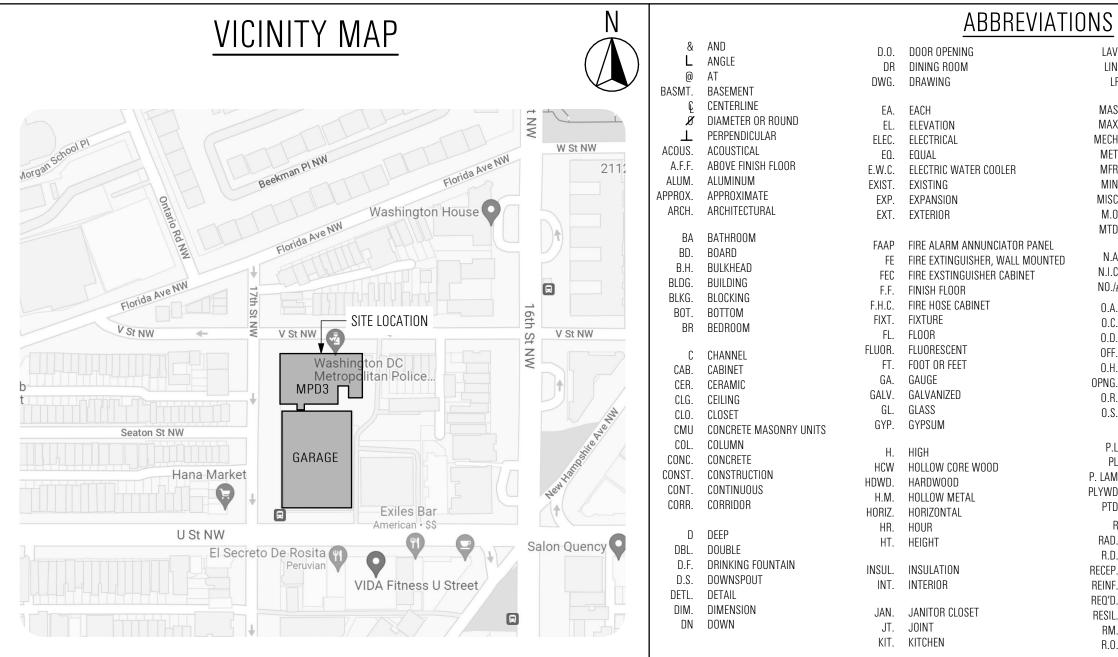
# DCAM MPD3 1620 V ST, NW WASHINGTON, DC 20009 ISSUE FOR PERMIT: TBD



## **GENERAL NOTES**

CODES, STANDARDS & PROCEDURES:

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL MUNICIPALITIES BUILDING CODE, AMENDMENTS, AND ALL OTHER APPLICABLE FEDERAL, AND DISTRICT LAWS AND ORDINANCES, ACCESSIBILITY CODES, STANDARDS, AND REGULATORY AGENCIES. GC SHOULD HAVE KNOWLEDGE OF AND MAINTAIN A COPY OF THE BUILDING CODES ON SITE AT ALL TIMES FOR REFERENCE.
- 2. ALL WORK SHALL BE OF THE HIGHEST QUALITY FOLLOWING THE CONTRACT DOCUMENTS, PROJECT SPECIFICATIONS, MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS, AND THE BEST ACCEPTED TRADE PRACTICES AND STANDARDS.
- 3. DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPES OF DETAILING REQUIRED FOR THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE DETAILED.
- 4. EACH CONTRACTOR SHALL KEEP ACCURATE RECORDS OF ALL WORK WHICH DIFFERS FROM CONTRACT DOCUMENTS SO THAT ACCURATE RECORD DRAWINGS AND SPECIFICATIONS CAN BE KEPT AND PROVIDED BY THE CONTRACTOR TO THE OWNER AT PROJECT CLOSEOUT.
- 5. EACH CONTRACTOR SHALL VISIT THE SITE AND BE KNOWLEDGEABLE OF CONDITIONS THEREOF. FAILURE TO EXAMINE THE SITE AND DETERMINE EXISTING CONDITIONS OR NATURE OF NEW CONSTRUCTION, OR NATURE AND EXTENT OF WORK TO BE PERFORMED BY OTHER TRADES WILL NOT BE CONSIDERED A BASIS FOR GRANTING OF ADDITIONAL COMPENSATION.
- 6. THE CONTRACTOR SHALL INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL REQUIREMENTS OF THE PROJECT AND SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS CONTRARY TO THE CONSTRUCTION DOCUMENTS THAT REQUIRE MODIFICATION BEFORE PROCEEDING WITH THE WORK.
- 7. THE CONTRACTOR SHALL PROTECT ALL EXISTING SITE ELEMENTS, ADJACENT BUILDINGS AND STREETS FROM DAMAGE DUE TO THE CONSTRUCTION OPERATIONS, AND REPAIR OR REPLACE ANY ELEMENTS DAMAGED DURING THE PROJECT.
- 8. SHOP DRAWINGS FOR ALL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS MUST BE SUBMITTED BY THE GENERAL CONTRACTOR FOR REVIEW. SHOULD THE OWNER OR GENERAL CONTRACTOR FAIL TO OBTAIN A&E REVIEW OF THE SHOP DRAWINGS, THE DESIGN TEAM WILL NOT ACCEPT ANY RESPONSIBILITY FOR IMPROPERLY INSTALLED ITEMS. PRIOR TO SUBMISSION OF THE SHOP DRAWINGS THE CONTRACTOR SHALL REVIEW SHOP DRAWINGS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. SHOP DRAWINGS SHALL NOT BE ISSUED PRIOR TO FINAL CONSTRUCTION SET.

## DIMENSIONS:

- 1. DO NOT SCALE THE DRAWINGS, DIMENSIONS SHALL GOVERN. LARGE SCALE DRAWINGS SHALL GOVERN OVER SMALL SCALE. WHERE A DISCREPANCY MAY EXIST BETWEEN DRAWINGS AND SPECIFICATIONS, THE MORE RESTRICTIVE OR EXPENSIVE REQUIREMENTS SHALL GOVERN.
- 2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON SITE, AND SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES, OMISSIONS AND/OR CONFLICTS BEFORE PROCEEDING WITH THE WORK.

- 3. ALL PARTITIONS ARE DIMENSIONED TO THE FINISH FACEOF WALL, UNLESS NOTED OTHERWISE. WHERE SPECIFIC DIMENSIONS, DETAILS AND/OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT IN WRITING BEFORE PROCEEDING WITH WORK IN QUESTION.
- 4. DOOR OPENINGS THAT ARE NOT DIMENSIONALLY LOCATED ARE TO BE CENTERED BETWEEN WALLS OR POSITIONED WITH ONE JAMB CASING TRIM AGAINST AN ADJACENT WALL OR COLUMN AS SHOWN ON THE PLANS AND/OR DETAILS.

COORDINATION:

- 1. REFER TO THE SPECIFICATIONS AND CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR FULL COORDINATION OF THE WORK.
- 2. THE CONTRACTOR SHALL COORDINATE ADDITIONAL SUPPORT OR CONCEALED BLOCKING REQUIRED FOR INSTALLATION OF HANDRAILS, MILLWORK, WALL PANELS, GRAB BARS, CABINETS AND ALL OTHER SURFACE MOUNTED COMPONENTS.
- 3. THE CONTRACTOR SHALL COORDINATE AND VERIFY THE EXACT SIZE AND LOCATION OF ALL FLOOR PENETRATIONS AND WALL OPENINGS WITH EACH OF THE RESPECTIVE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION TRADES.
- 4. THE CONTRACTOR SHALL COORDINATE LAYOUT OF CEILING MOUNTED FIXTURES, DEVICES, AND DUCTWORK, AND SHALL IDENTIFY POTENTIAL CONFLICTS INVOLVING ELEMENTS WITHIN THE CEILING CAVITY. ANY VARIATIONS OR CONFLICTS WITH LAYOUT OR CEILING HEIGHT SHOWN SHALL BE REVIEWED WITH THE ARCHITECT PRIOR TO INSTALLATION.
- 5. ALL CONDUIT, PIPING, DUCTWORK, AND MECHANICAL SYSTEMS SHALL BE INSTALLED WITHIN OR TIGHT TO THE UNDERSIDE OF STRUCTURE WHERE FEASIBLE, UNLESS NOTED OTHERWISE.
- 6. REFER TO MEPFP DRAWINGS FOR EXTENT OF CONCRETE EQUIPMENT PADS. THE CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF THE CONCRETE PADS WITH THE EQUIPMENT INSTALLER.
- 7. SUBMIT SHOP DRAWINGS FOR APPROVAL

INSTALLATION:

- 1. PROVIDE EXPANSION AND/OR CONTROL JOINTS IN ACCORDANCE WITH SPECIFIED OR DRAWN REQUIREMENTS. IN THE ABSENCE OF SPECIFIED OR DRAWN REQUIREMENTS, PROVIDE JOINTS IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS. LOCATIONS SHALL BE REVIEWED AND ACCEPTED BY THE ARCHITECT PRIOR TO INSTALLATION.
- ALL OPENINGS IN FIRE-RATED FLOORS AND FIRE-RATED WALLS INCLUDING SPACES BETWEEN DUCTS, PIPES, CONDUIT, ETC. SHALL BE CLOSED OFF BY APPROVED FIRE SAFING MATERIAL TO MAINTAIN FIRE RATING CONTINUITY OF RATED FLOOR AND WALL CONSTRUCTION. ALL OPENINGS AND PENETRATIONS SHALL BE SEALED TO PREVENT PASSAGE OF SMOKE AND FLAMES IN FIRE-RATED ASSEMBLIES.
- ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER IN ORDER TO AVOID GALVANIC ACTION.

		ID SHEET DESCRIPTION	ISSUE FOR
		00001 COVER SHEET	PERMIT
		00002 LOW VOC CHART D1100 BASEMENT DEMOLITION PLAN	
		D1101 1ST FLOOR DEMOLITION PLAN	
		D1102 2ND FLOOR DEMOLITION PLAN A1100 BASEMENT FLOOR PLAN	
		A1101 1ST FLOOR PLAN	
		A1102 2ND FLOOR PLAN A4401 0FFICE/ RESTROOM PLANS & ELEVATIONS	
		A6300 WINDOW SCHEDULE & DETAILS	
S		M000 MECHANICAL COVER SHEET M001 MECHANICAL BASEMENT FLOOR PLAN	
LAV. LAVATORY SCW SOLID CORE WOOD LIN. LINEN CLOSET SCHED. SCHEDULE		M002 MECHANICAL FIRST FLOOR PLAN	
LR LIVING ROOM S.D. SOAP DISPENSER SECT. SECTION		M003 MECHANICAL SECOND FLOOR PLAN M004 MECHANICAL SCHDULES & DETAILS	
MAS. MASONRY SHT. SHEET MAX. MAXIMUM SIM. SIMILAR ECH. MECHANICAL SPECS SPECIFICATIONS		E000 ELECTRICAL COVER SHEET	
ECH. MECHANICAL SPECS. SPECIFICATIONS MET. METAL SQ. SQUARE MFR. MANUFACTURER SST. STAINLESS STEEL		E001ELECTRICAL BASEMENT FLOOR PLANE002ELECTRICAL FIRST FLOOR PLAN	
MIN. MINIMUM STD. STANDARD NISC. MISCELLANEOUS STL. STEEL		E003 ELECTRICAL SECOND FLOOR PLAN	
M.O. MASONRY OPENING STOR. STORAGE MTD. MOUNTED SUSP. SUSPENDED		E004ELECTRICAL SPECIFICATIONP000PLUMBING COVERSHEET	
N.A. NOT APPLICABLE T TREAD I.I.C. NOT IN CONTRACT TBD TO BE DETERMINE		P001 PLUMBING BASEMENT FLOOR PLAN	
IO./# NUMBER TEL. TELEPHONE D.A. OVERALL THK. THICK D.C. ON CENTER T.O. TOP OF		P002     PLUMBING FIRST FLOOR PLAN       P003     PLUMBING SECOND FLOOR PLAN	
0.C. ON CENTER T.O. TOP OF D.D. OUTSIDE DIAMETER T.P.D. TOILET PAPER DISPENSER DFF. OFFICE TYP. TYPICAL			
D.H. OVERHEAD U.O.N. UNLESS OTHERWISE NOTED			
0.R. OUTSIDE RADIUS V.C.T. VINYL COMPOSITION TILE 0.S. OVERFLOW SCUPPER VERT. VERTICAL			
W.         WIDE           P.L.         PROPERTY LINE         W/         WITH           PL.         PLATE         WD.         WOOD			
AM. PLASTIC LAMINATE W/O WITHOUT WD. PLYWOOD WT. WEIGHT			
PTD. PAINTED W.W.F. WELDED WIRE FABRIC R RISER			
IAD. RADIUS R.D. ROOF DRAIN CEP. RECEPTACLE			
INF. REINFORCED Q'D. REQUIRED			
ISIL. RESILIENT RM. ROOM			
R.O. ROUGH OPENING	SYMBOLS	BUILDING CODE DATA:	
	N N	BUILDING DATA:	
	NORTH ARROW	PROJECT NAME: DCAM MPD3 Metropolitan Police Department	nt of the District of Co
		PROJECT ADDRESS: 1620 V Street NW Washington DC 20009	
	ELEVATION	ZONE: MU - 4	
	PLAN DETAIL /	PROJECT NARRATIVE:	
	SECTION DETAIL	REPLACING EXISTING BOILERS, REPLACING WINDOWS, AND SE	LECTIVE RENOVATION
	BUILDING SECTION	APPLICABLE BUILDING CODES:	
i		2017 DISTRICT OF COLUMBIA BUILDING CODE	
	→ → → → WALL SECTION / DETAIL SECTION	2017 DISTRICT OF COLUMBIA MECHANICAL CODE	
	FLOOR ELEVATION	2017 DISTRICT OF COLUMBIA PLUMBING CODE	
	- DOOR TYPE	2017 DISTRICT OF COLUMBIA FIRE CODE	
	(XXX-1R) PARTITION TYPE		
	FIRE RATING	2017 DISTRICT OF COLUMBIA ENERGY CONSERVATION CODE	
	WALL TYPE DESIGNATION	2011 NFPA NATIONAL ELECTRIC CODE (DCMR 12C)	
	## PLAN KEYNOTE	2011 NFPA NATIONAL ELECTRIC CODE (DCMR 12C)	
	## ELEVATION KEYNOTE	2016 DC ZONING REGULATIONS (DCMR 11)	
	- WINDOW TYPE		
	$\wedge \sim$		
L			

	AGENCY APPROVAL:	
		DD 100% DRAWINGS 04/29/2022
	PROJECT TEAMARCHITECTEMOTIVE ARCHITECTURE 1350 CONNECTICUT AVE NW, SUITE 501 WASHINGTON, DC 20036MEP ENGINEERKK ENGINEERING, LLC 	Department of General Services
Columbia DN OF FINISHES.		Image: Construction of the construc
		COVER SHEET REFER TO DRAWING 00001

## MATERIAL EMISSIONS AND POLLUTANT CONTROL

CONTRACTOR TO COMPLY WITH THE EMISION REQUIREMENTS BELOW WHICH ARE INTENDED TO FORM A BASELINE REQUIREMENT TO COMPLY WITH CHAPTER 8 OF THE 2017 DCGCC.

### EMISSIONS FROM COMPOSITE WOOD PRODUCTS

COMPOSITE WOOD PRODUCTS USED INTERIOR TO THE APPROVED WEATHER COVERING OF THE BUILDING SHALL COMPLY WITH THE EMISSION LIMITS OR BE MANUFACTURED IN ACCORDANCE WITH THE STANDARDS CITED IN TABLE A. COMPLIANCE WITH EMISSION LIMITS SHALL BE DEMONSTRATED FOLLOWING THE REQUIREMENTS OF SECTION 93120 OF TITLE 17, CALIFORNIA CODE OF REGULATIONS, AIRBORNE TOXIC CONTROL MEASURE TO REDUCE FORMALDEHYDE EMISSIONS FROM COMPOSITE WOOD PRODUCTS.

EXCEPTIONS:

1. COMPOSITE WOOD PRODUCTS THAT ARE MADE USING ADHESIVES THAT DO NOT CONTAIN UREA-

FORMALDEHYDE (UF) RESINS.

2. COMPOSITE WOOD PRODUCTS THAT ARE SEALED WITH AN IMPERMEABLE MATERIAL ON ALL SIDES AND EDGES. 3. COMPOSITE WOOD PRODUCTS THAT ARE USED TO MAKE ELEMENTS CONSIDERED TO BE FURNITURE, FIXTURES

AND EQUIPMENT (FF&E) THAT ARE NOT PERMANENTLY INSTALLED.

4. FIRE-RETARDENT COMPOSITE WOOD PRODUCTS

TABLE A COMPOSITE PRODUCTS EMISSIONS

PRODUCT	FORMALDEHYDE LIMIT <sup>B</sup> (PPM)	STANDARD
HARDWOOD PLYWOOD	0.05	—
PARTICLE BOARD	0.09	—
MEDIUM-DENSITY FIBERBOARD	0.11	—
THIN MEDIUM-DENSITY FIBERBOARD <sup>A</sup>	0.13	_

A. MAXIMUM THICKNESS OF <sup>5</sup>/16 INCH (8 MM). B. PHASE 2 FORMALDEHYDE EMISSIONS STANDARDS, TABLE 1, SECTION 93120, TITLE 17, CALIFORNIA CODE OF REGULATIONS; COMPLIANCE SHALL BE DEMONSTRATED IN ACCORDANCE WITH ASTM E 1333 OR ASTM D 6007.

## ADHESIVES AND SEALANTS

PROJECTS SHALL COMPLY WITH THE LIMITS ON VOLATILE ORGANIC COMPOUND ("VOC") EMISSIONS FOR ADHESIVES AND SEALANTS AS ESTABLISHED IN CHAPTER 7 (VOLATILE ORGANIC COMPOUNDS AND HAZARDOUS AIR POLLUTANTS) OF DCMR TITLE 20 (ENVIRONMENT)

### TABLE B

SITE-APPLIED ADHESIVE AND SEALANT VOC LIMITS

ADHESIVE	VOC LIMIT <sup>A, B</sup>
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVE	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT AND ASPHALT TILE ADHESIVES	50
DRY WALL AND PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
ARCHITECTURAL SEALANTS	250
ARCHITECTURAL SEALANT PRIMER	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS SEALANT PRIMER	500
OTHER SEALANT PRIMERS	750
CPVC SOLVENT CEMENT	490
PVC SOLVENT CEMENT	510
ABS SOLVENT CEMENT	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140

A. VOC LIMIT LESS WATER AND LESS EXEMPT COMPOUNDS IN GRAMS/LITER.

B. FOR LOW-SOLID ADHESIVES AND SEALANTS, THE VOC LIMIT IS EXPRESSED IN GRAMS/LITER OF MATERIAL AS SPECIFIED IN RULE 1168. FOR ALL OTHER ADHESIVES AND SEALANTS, THE VOC LIMITS ARE EXPRESSED AS GRAMS OF VOC PER LITER OF ADHESIVE OR SEALANT LESS WATER AND LESS EXEMPT COMPOUNDS AS SPECIFIED IN RULE 1168.

### TABLE C VOC EMISSION LIMITS

ADHESIVE ALTERNATIVE EMISSIONS STANDARDS COMPLIANCE SHALL BE DETERMINED UTILIZING TEST METHODOLOGY INCORPORATED BY REFERENCE IN THE CDPH/EHLB/STANDARD METHOD V.1.1, STANDARD METHOD FOR TESTING VOC EMISSIONS FROM INDOOR SOURCES, DATED FEBRUARY 2010. THE ALTERNATIVE EMISSIONS TESTING SHALL BE PERFORMED BY A LABORATORY THAT HAS THE CDPH/EHLB/STANDARD METHOD V.1.1 TEST METHODOLOGY IN THE SCOPE OF ITS ISO 17025 ACCREDITATION

VOC	LIMIT
INDIVIDUAL VOCS	$\leq$ <sup>1</sup> / <sub>2</sub> CA CHRONIC REL <sup>A</sup>
FORMAL DEHYDE	$\leq$ 16 5 MG/M <sup>3</sup> OB $\leq$ 13 5 PPB

A. CDPH/EHLB/STANDARD METHOD V.1.1 CHRONIC REFERENCE EXPOSURE LEVEL (CREL).

B. EFFECTIVE JANUARY 1, 2012, LIMIT BECAME LESS THAN OR EQUAL TO THE CDPH/EHLB/STANDARD METHOD V.1.1 CREL ( $\leq 9 MG/M^3 OR \leq 7 PPB$ ) C. FORMALDEHYDE EMISSION LEVELS NEED NOT BE REPORTED FOR MATERIALS WHERE FORMALDEHYDE IS NOT

ADDED BY THE MANUFACTURER OF THE MATERIAL.

## ARCHITECTURAL PAINTS AND COATINGS

PROJECTS SHALL COMPLY WITH THE LIMITS ON VOLATILE ORGANIC COMPOUND ("VOC") EMISSIONS FOR ARCHITECTURAL PAINTS AND COATINGS AS ESTABLISHED IN CHAPTER 7 (VOLATILE ORGANIC COMPOUNDS AND HAZARDOUS AIR POLLUTANTS) OF DCMR TITLE 20 (ENVIRONMENT).

A MINIMUM OF 100 PERCENT BY WEIGHT OR VOLUME, OF SITE-APPLIED INTERIOR ARCHITECTURAL COATINGS SHALL COMPLY WITH VOC CONTENT LIMITS IN TABLE D OR THE ALTERNATE EMISSIONS LIMITS IN TABLE E. THE EXEMPT COMPOUND CONTENT SHALL BE DETERMINED BY ASTM D 3960. TABLE E ARCHITECTURAL COATING ALTERNATE EMISSIONS STANDARDS COMPLIANCE SHALL BE DETERMINED

UTILIZING TEST METHODOLOGY INCORPORATED BY REFERENCE IN THE CDPH/EHLB/STANDARD METHOD V.1.1, STANDARD METHOD FOR TESTING VOC EMISSIONS FROM INDOOR SOURCES, DATED FEBRUARY 2010. THE ALTERNATIVE EMISSIONS TESTING SHALL BE PERFORMED BY A LABORATORY THAT HAS THE CDPH/EHLB/STANDARD METHOD V.1.1 TEST METHODOLOGY IN THE SCOPE OF ITS ISO 17025 ACCREDITATION. TABLE D.

TABLE D VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS<sup>C, D, E</sup>

	EFFECTIVE: JANUARY 1, 2010	EFFECTIVE: JANUARY 1, 2012
CATEGORY	LIMIT <sup>a</sup> G/L	LIMIT <sup>A</sup> G/L
FLAT COATINGS	50	
NONFLAT COATINGS	100	
NONFLAT – HIGH-GLOSS COATINGS	150	
SPECIALTY COATINGS:		
ALUMINUM ROOF COATINGS	400	
BASEMENT SPECIALTY COATINGS	400	
BITUMINOUS ROOF COATINGS	50	
BITUMINOUS ROOF PRIMERS	350	
BOND BREAKERS	350	
CONCRETE CURING COMPOUNDS	350	
CONCRETE/MASONRY SEALERS	100	
DRIVEWAY SEALERS	50	
DRY FOG COATINGS	150	
FAUX FINISHING COATINGS	350	
FIRE-RESISTIVE COATINGS	350	
FLOOR COATINGS	100	
FORM-RELEASE COMPOUNDS	250	
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500	
HIGH-TEMPERATURE COATINGS	420	
INDUSTRIAL MAINTENANCE COATINGS	250	
LOW SOLIDS COATINGS	120 <sup>в</sup>	
MAGNESITE CEMENT COATINGS	450	
MASTIC TEXTURE COATINGS	100	
METALLIC PIGMENTED COATINGS	500	
MULTI-COLOR COATINGS	250	
PRETREATMENT WASH PRIMERS	420	
PRIMERS, SEALERS, AND UNDERCOATERS	100	
REACTIVE PENETRATING SEALERS	350	
RECYCLED COATINGS	250	
ROOF COATINGS	50	
RUST-PREVENTATIVE COATINGS	400	250
SHELLACS, CLEAR	730	
SHELLACS, OPAQUE	550	
SPECIALTY PRIMERS, SEALERS, AND UNDERCOATERS	350	100
STAINS	250	
STONE CONSOLIDANTS	450	
SWIMMING POOL COATINGS	340	
TRAFFIC MARKING COATINGS	100	
TUB AND TILE REFINISH COATINGS	420	
WATERPROOFING MEMBRANES	250	
WOOD COATINGS	275	
WOOD PRESERVATIVES	350	
ZINC-RICH PRIMERS	340	

A. LIMITS ARE EXPRESSED AS VOC REGULATORY (EXCEPT AS NOTED), THINNED TO THE MANUFACTURER'S MAXIMUM THINNING RECOMMENDATION, EXCLUDING ANY COLORANT ADDED TO TINT BASES. B. LIMIT IS EXPRESSED AS VOC ACTUAL.

C. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE

D. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD SUGGESTED CONTROL MEASURE FOR ARCHITECTURAL COATINGS, DATED FEBRUARY 1, 2008. E. TABLE D ARCHITECTURAL COATING REGULATORY CATEGORY AND VOC CONTENT COMPLIANCE DETERMINATION SHALL CONFORM TO THE CALIFORNIA AIR RESOURCES BOARD SUGGESTED CONTROL MEASURE FOR ARCHITECTURAL COATINGS, DATED FEBRUARY 1, 2008.

TABLE E ARCHITECTURAL COATINGS VOC EMISSION LIMITS

VOC	LIMIT	
INDIVIDUAL	$\leq$ <sup>1</sup> / <sub>2</sub> CA CHRONIC REL <sup>A</sup>	
FORMALDEHYDE $\leq 16.5 \text{ MG/M}^3 \text{ OR} \leq 13.5 \text{ PPB}^8$		
A. CA CHRONIC REFERENCE EXPOSURE LEVEL (CREL).		

B. FORMALDEHYDE EMISSION LEVELS NEED NOT BE REPORTED FOR MATERIALS WHERE FORMALDEHYDE IS NOT ADDED BY THE MANUFACTURER OF THE MATERIAL.

## FLOORING

A MINIMUM OF 100 PERCENT OF THE TOTAL AREA OF FLOORING INSTALLED WITHIN THE INTERIOR OF THE BUILDING SHALL COMPLY WITH THE REQUIREMENTS OF TABLE G. WHERE FLOORING WITH MORE THAN ONE DISTINCT PRODUCT LAYER IS INSTALLED, THE EMISSIONS FROM EACH LAYER SHALL COMPLY WITH THESE REQUIREMENTS. THE TEST METHODOLOGY USED TO DETERMINE COMPLIANCE SHALL BE FROM CDPH/EHLB/STANDARD METHOD V.1.1, STANDARD METHOD FOR TESTING VOC EMISSIONS FROM INDOOR SOURCES, DATED FEBRUARY 2010. THE EMISSIONS TESTING SHALL BE PERFORMED BY A LABORATORY THAT HAS THE CDPH/EHLB/STANDARD METHOD V.1.1 TEST METHODOLOGY IN THE SCOPE OF ITS ISO 17025 ACCREDITATION. WHERE POST-MANUFACTURE COATINGS OR SURFACE APPLICATIONS HAVE NOT BEEN APPLIED, THE FLOORING LISTED IN TABLE F SHALL BE DEEMED TO COMPLY WITH THE REQUIREMENTS OF TABLE G.

## TABLE F FLOORING DEEMED TO COMPLY WITH VOC EMISSION LIMITS

CERAMIC AND CONCRETE TILE
ORGANIC-FREE, MINERAL-BASED
CLAY PAVERS
CONCRETE PAVERS
CONCRETE
METAL

### TABLE G FLOORING VOC EMISSION LIMITS

VOC	LIMIT
INDIVIDUAL	$\leq$ <sup>1</sup> / <sub>2</sub> CA CHRONIC REL <sup>A</sup>
FORMALDEHYDE	$\leq 16.5 \text{ MG/M}^3 \text{ OR} \leq 13.5 \text{ PPB}$

A. CA CHRONIC REFERENCE EXPOSURE LEVEL (CREL).

## ACOUSTICAL CEILING TILES AND WALL SYSTEMS

A MINIMUM OF 100 PERCENT OF ACOUSTICAL CEILING TILES AND WALL SYSTEMS, BY SQUARE FEET, SHALL COMPLY WITH THE REQUIREMENTS OF TABLE I. WHERE CEILING AND WALL SYSTEMS WITH MORE THAN ONE DISTINCT PRODUCT LAYER ARE INSTALLED, THE EMISSIONS FROM EACH LAYER SHALL COMPLY WITH THESE REQUIREMENTS. THE TEST METHODOLOGY USED TO DETERMINE COMPLIANCE SHALL BE FROM CDPH/EHLB/STANDARD METHOD V.1.1. STANDARD METHOD FOR TESTING VOC EMISSIONS FROM INDOOR SOURCES, DATED FEBRUARY 2010. THE EMISSIONS TESTING SHALL BE PERFORMED BY A LABORATORY THAT HAS THE CDPH/EHLB/STANDARD METHOD V.1.1 TEST METHODOLOGY IN THE SCOPE OF ITS ISO 17025 ACCREDITATION.

WHERE POST-MANUFACTURE COATINGS OR SURFACE APPLICATIONS HAVE NOT BEEN APPLIED. THE CEILING OR WALL SYSTEMS LISTED IN TABLE H SHALL BE DEEMED TO COMPLY WITH THE REQUIREMENTS OF TABLE I.

## TABLE H

CEILING AND WALL SYSTEMS DEEMED TO COMPLY WITH VOC EMISSION LIMITS

CERAMIC AND CONCRETE TILE		
ORGANIC-FREE, MINERAL-BASED		
GYPSUM PLASTER		
CLAY MASONRY		
CONCRETE MASONRY		
CONCRETE		
METAL		

TABLE

ACOUSTICAL CEILING TILES AND WALL SYSTEMS VOC EMISSION LIMITS

VOC	LIMIT	
INDIVIDUAL	$\leq$ <sup>1</sup> / <sub>2</sub> CA CHRONIC REL <sup>A</sup>	
FORMALDEHYDE	$\leq 16.5 \text{ MG/M}^3 \text{ OR} \leq 13.5 \text{ PPB}$	

A. CA CHRONIC REFERENCE EXPOSURE LEVEL (CREL).

## INSULATION

A MINIMUM OF 100 PERCENT OF INSULATION SHALL COMPLY WITH THE REQUIREMENTS OF TABLE J OR TABLE K. THE TEST METHODOLOGY USED TO DETERMINE COMPLIANCE SHALL BE FROM CDPH/EHLB/STANDARD METHOD V.1.1, STANDARD METHOD FOR TESTING VOC EMISSIONS FROM INDOOR SOURCES, DATED FEBRUARY 2010. THE EMISSIONS TESTING SHALL BE PERFORMED BY A LABORATORY THAT HAS THE CDPH/EHLB/STANDARD METHOD V.1.1 TEST METHODOLOGY IN THE SCOPE OF ITS ISO 17025 ACCREDITATION.

### TABLE J

	INSULATION VUC EMISSION LIMITS	
	VOC	LIMIT
	INDIVIDUAL	$\leq$ <sup>1</sup> / <sub>2</sub> CA CHRONIC REL <sup>A</sup>
	FORMALDEHYDE	$\leq 16.5 \text{ MG/M}^3 \text{ OR} \leq 13.5 \text{ PPB}$

A. CA CHRONIC REFERENCE EXPOSURE LEVEL (CREL).

TABLE K INSULATION M VOC EMISSION	IANUFACTURED WITHOU" I LIMITS	f formaldehyde
VOC	LIMIT	
INDIVIDUAL	$\leq$ <sup>1</sup> / <sub>2</sub> CA CHRONIC REL <sup>A</sup>	
A. CA CHRONI	C REFERENCE EXPOSURE	LEVEL (CREL).

## CONSTRUCTION AND WASTE MANAGEMENT

## CONSTRUCTION MATERIAL AND WASTE MANAGEMENT REQUIREMENTS

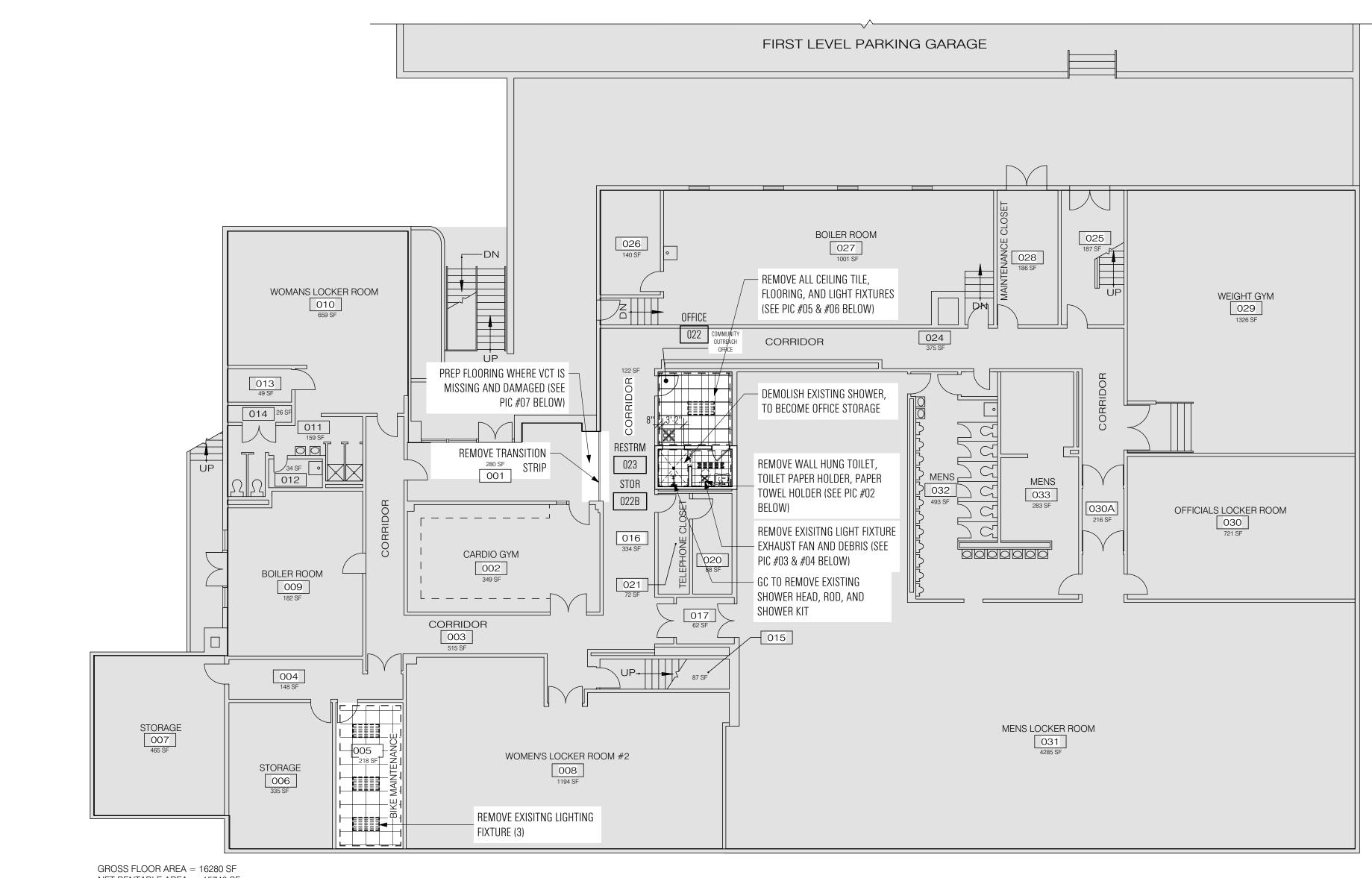
NOT LESS THAN 50 PERCENT OF NONHAZARDOUS CONSTRUCTION WASTE SHALL BE DIVERTED FROM DISPOSAL BY RECYCLING OR SALVAGE OF CONSTRUCTION MATERIALS AND WASTE. THE CONTRACTOR OR APPROVED AGENCY SHALL MAINTAIN RECEIPTS AND OTHER DOCUMENTATION THROUGH THE COURSE OF CONSTRUCTION RELATING TO DIVERSION. THE PERCENTAGE OF MATERIALS DIVERTED SHALL BE CALCULATED BY WEIGHT OR VOLUME, BUT NOT BOTH. CONSTRUCTION MATERIALS AND WASTE SHALL INCLUDE BUT ARE NOT LIMITED TO (1) ALL MATERIALS DELIVERED TO THE SITE AND INTENDED FOR INSTALLATION PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY, INCLUDING RELATED PACKAGING; AND (2) CONSTRUCTION MATERIALS AND WASTE REMOVED DURING DEMOLITION OR RAZING. CONSTRUCTION AND WASTE MATERIALS SHALL NOT INCLUDE LAND CLEARING DEBRIS. LAND-CLEARING DEBRIS SHALL INCLUDE TREES, STUMPS, ROCKS, AND VEGETATION AND SHALL BE MANAGED IN ACCORDANCE WITH THE GCC SECTION 406.1.

## VERIFICATION

PRIOR TO ISSUANCE OF THE FIRST CERTIFICATE OF CERTIFICATE OF OCCUPANCY FOR OCCUPIABLE SPACE IN A STORY ABOVE GRADE PLANE, OR PRIOR TO FINAL INSPECTION, IF A NEW CERTIFICATE OF OCCUPANCY IS NOT REQUIRED, THE DEPARTMENT IS AUTHORIZED TO REQUIRE THE OWNER, CONTRACTOR OR AN APPROVED AGENCY TO PROVIDE VERIFICATION OF THE PROJECT'S COMPLIANCE WITH SECTION THE CONSTRUCTION MATERIAL AND WASTE MANAGEMENT REQUIREMENTS. WHEN REQUESTED BY THE CODE OFFICIAL, EVIDENCE OF DIVERSION SHALL BE PROVIDED, WHICH MAY INCLUDE, BUT IS NOT LIMITED TO, HAULING RECEIPTS.

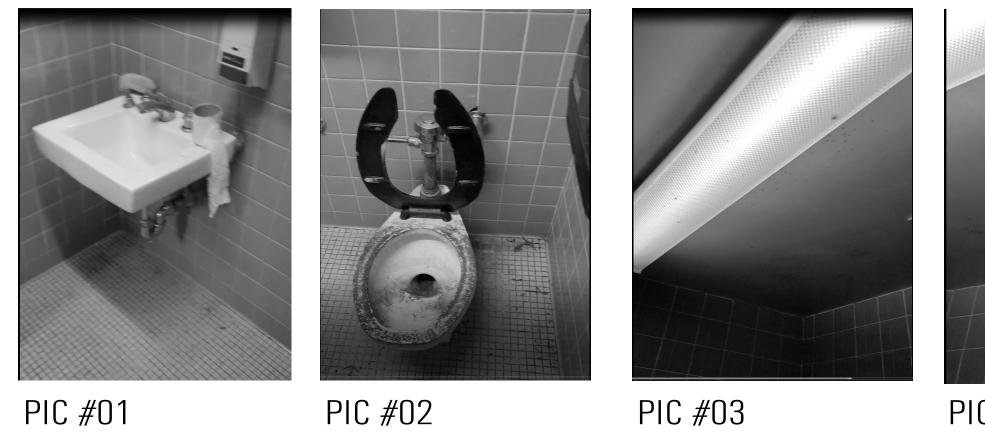
THE CONTRACTOR IS OBLIGATED TO UTILIZE THE GECS FOR PROVUIDED BY THE DISTRICT TO MEET AND COMPLETE THOSE REQUIREMENTS.

DD 100% DRAWI 04/29/2022	NGS
PROJECT NAME: DCAM MPD3	
1620 V ST, NW WASHINGTON D	C 20009
Department of Ger Services 1250 U Street NW 4th Floor WASHING	
CONSULTANTS:	
1350 CONNECTICUT AVE , SUIT WASHINGTON, DC 2003E PHONE: 202-470-5570 FAX:20 www.emotivearch.com	E 501 2-318-8684
NO ISSUE / REVISED	DATE
JOB # 21_23	
LOW VOC CHA	RT
REFER TO DRAWIN	G
00002	



NET RENTABLE AREA = 15740 SF





## DEMOLITION ROOM SCHEDULE:

- 1. BIKE MAINTENANCE 005 FLOOR - VCT TO REMAIN IN PLACE AND PREP FOR CLEANING
  - WALLBASE TO REMAIN
  - WALL- PREP FOR NEW PAINT FINISH
  - CEILING REMOVE ALL 2X4 ACT, GRID TO REMAIN, UNLESS OTHERWISE NOTED

LIGHTS - REMOVE ALL LIGHTS

- DOOR TO REMAIN, PREP FOR NEW PAINT FINISH
- MISCELLANEOUS EMERGENCY DEVICES TO BE REMAIN
- 2. COMMUNITY OUTREACH OFF 022 (SEE NOTE #15) FLOOR - REMOVE ALL VCT, MISCELLANEOUS COVERINGS AND DEBRIS
  - WALL BASE REMOVE ALL
  - WALL- PREP AND SCRUB ALL WALLS OF DEBRIS
  - CEILING REMOVE ALL 2X4 ACT
  - LIGHTS REMOVE ALL LIGHTS

MISCELLANEOUS - EMERGENCY DEVICES TO BE REMAIN. CLEAN AND PROTECT FROM DAMAGE.

- 3. RESTROOM 023 (SEE NOTE #15) FLOOR - REMOVE ALL TILE AND DEBRIS
  - WALL BASE WALL BASE TO REMAIN
  - WALL- FLR TO CLG CERAMIC TILE TO REMAIN IN PLACE. PREP AND SCRUB ALL WALLS OF DEBRIS
  - CEILING PREP AND CLEAN DRYWALL
  - LIGHTS REMOVE 1X4 SURFACE MOUNTED
  - PLUMBING FIXTURES SEE PLAN
  - RESTROOM ACCESSORIES SEE PLAN





PIC #04

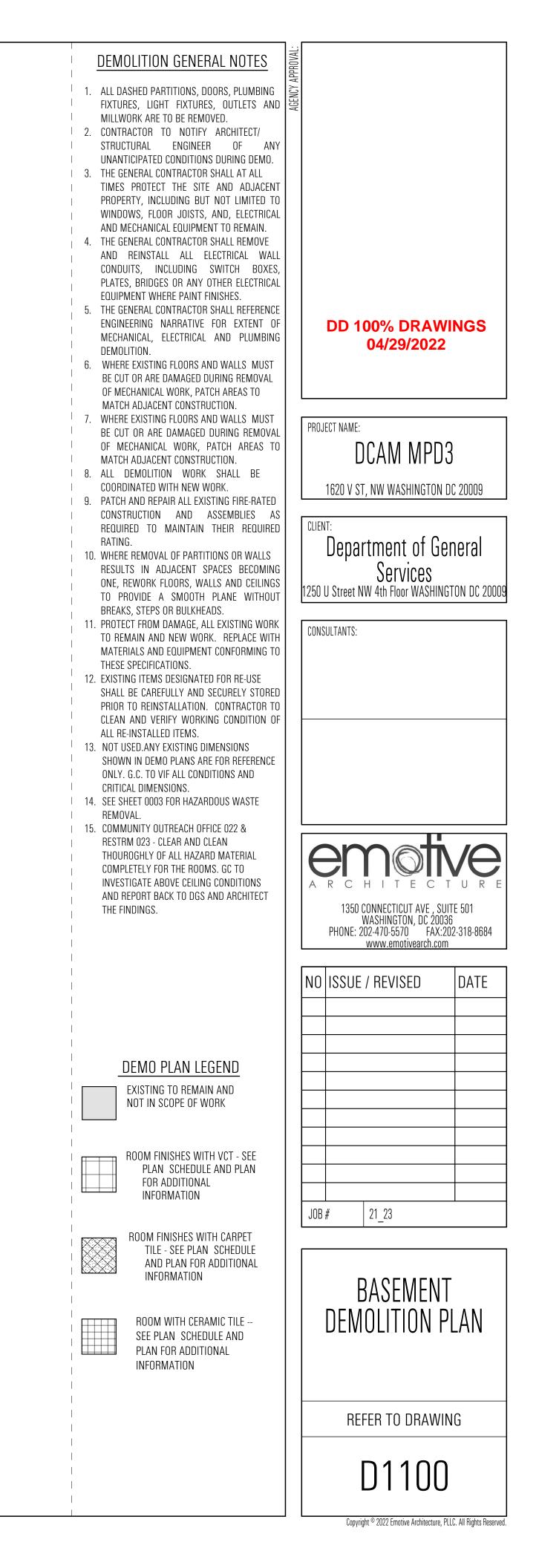


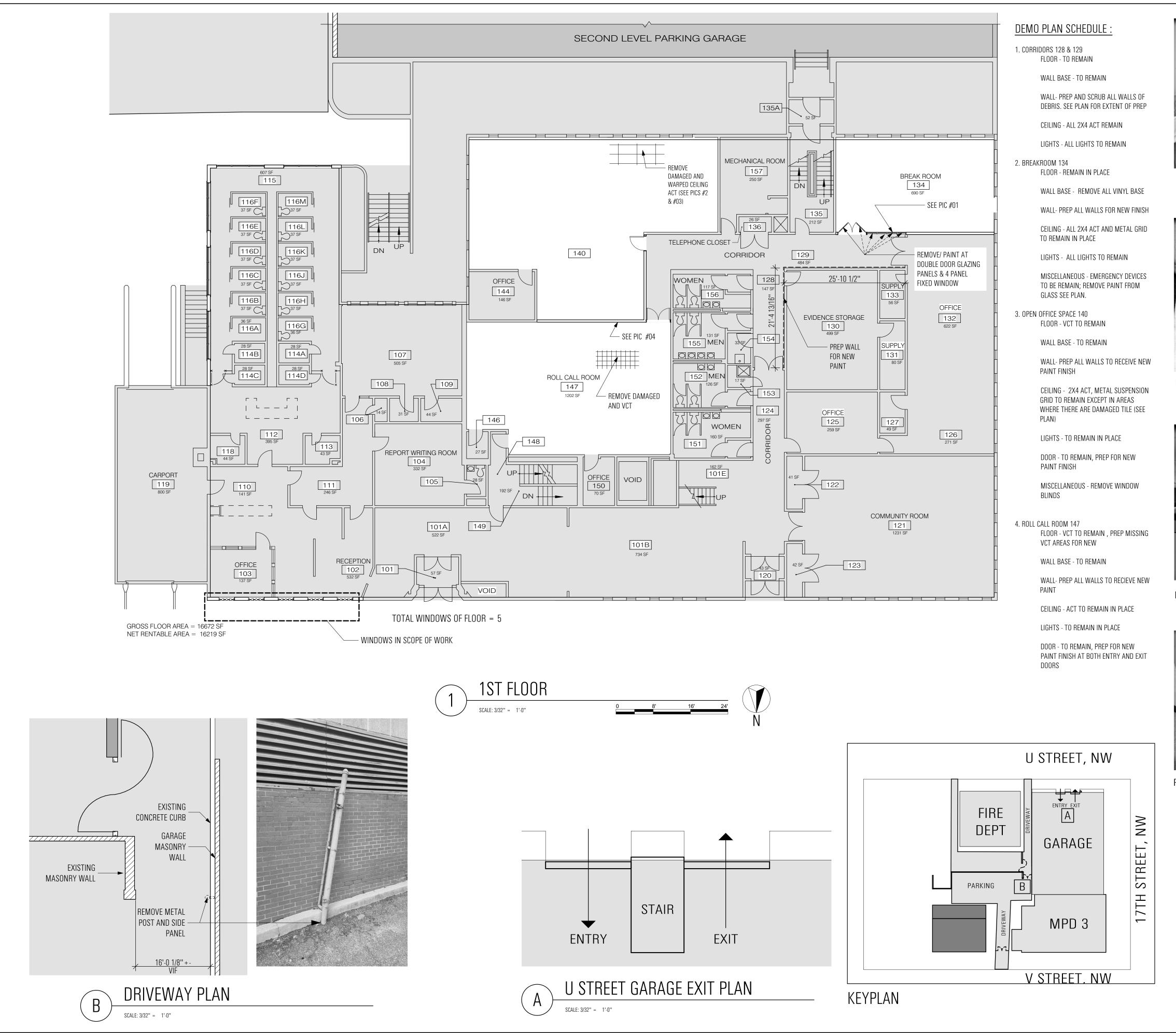
PIC #05

PIC #06



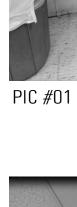








PIC #04







PIC #02



PIC #03

## DEMOLITION GENERAL NOTES

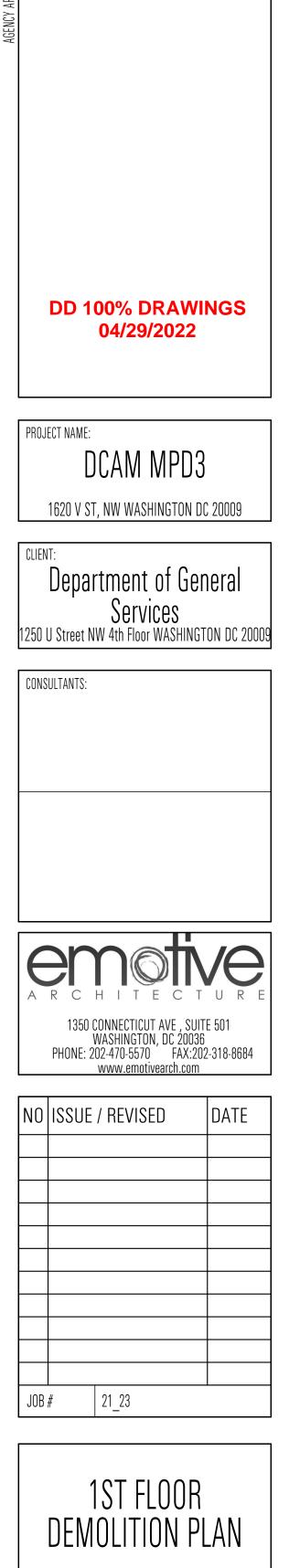
- 1. ALL DASHED PARTITIONS, DOORS, PLUMBING FIXTURES, LIGHT FIXTURES, OUTLETS AND MILLWORK ARE TO BE REMOVED.
- 2. CONTRACTOR TO NOTIFY ARCHITECT/ STRUCTURAL ENGINEER OF ANY UNANTICIPATED CONDITIONS DURING DEMO.
- 3. THE GENERAL CONTRACTOR SHALL AT ALL TIMES PROTECT THE SITE AND ADJACENT PROPERTY, INCLUDING BUT NOT LIMITED T WINDOWS, FLOOR JOISTS, AND, ELECTRICAL AND MECHANICAL EQUIPMENT TO REMAIN.
- 4. THE GENERAL CONTRACTOR SHALL REMOVE AND REINSTALL ALL ELECTRICAL WALL CONDUITS, INCLUDING SWITCH BOXES, PLATES, BRIDGES OR ANY OTHER ELECTRICAL EQUIPMENT WHERE PAINT FINISHES.
- THE GENERAL CONTRACTOR SHALL REFERENCE ENGINEERING NARRATIVE FOR EXTENT OF MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION
- . WHERE EXISTING FLOORS AND WALLS MUST BE CUT OR ARE DAMAGED DURING REMOVAL OF MECHANICAL WORK, PATCH AREAS TO MATCH ADJACENT CONSTRUCTION.
- 7. WHERE EXISTING FLOORS AND WALLS MUST BE CUT OR ARE DAMAGED DURING REMOVAL OF MECHANICAL WORK, PATCH AREAS TO MATCH ADJACENT CONSTRUCTION.
- 8. ALL DEMOLITION WORK SHALL BE COORDINATED WITH NEW WORK.
- 9. PATCH AND REPAIR ALL EXISTING FIRE-RATED CONSTRUCTION AND ASSEMBLIES A REQUIRED TO MAINTAIN THEIR REQUIRED RATING.
- 10. WHERE REMOVAL OF PARTITIONS OR WALLS RESULTS IN ADJACENT SPACES BECOMING ONE, REWORK FLOORS, WALLS AND CEILINGS TO PROVIDE A SMOOTH PLANE WITHOUT BREAKS, STEPS OR BULKHEADS.
- 11. PROTECT FROM DAMAGE, ALL EXISTING WORK TO REMAIN AND NEW WORK. REPLACE WITH MATERIALS AND EQUIPMENT CONFORMING TO THESE SPECIFICATIONS.
- 12. EXISTING ITEMS DESIGNATED FOR RE-USE SHALL BE CAREFULLY AND SECURELY STORED PRIOR TO REINSTALLATION. CONTRACTOR T CLEAN AND VERIFY WORKING CONDITION OI ALL RE-INSTALLED ITEMS.
- 13. NOT USED.ANY EXISTING DIMENSIONS SHOWN IN DEMO PLANS ARE FOR REFERENCE ONLY. G.C. TO VIF ALL CONDITIONS AND CRITICAL DIMENSIONS.
- 14. SEE SHEET 0003 FOR HAZARDOUS WASTE REMOVAL.
- 15. COMMUNITY OUTREACH OFFICE 022 & RESTRM 023 - CLEAR AND CLEAN THOUROGHLY OF ALL HAZARD MATERIAL COMPLETELY FOR THE ROOMS. GC TO INVESTIGATE ABOVE CEILING CONDITIONS AND REPORT BACK TO DGS AND ARCHITECT THE FINDINGS.



ROOM FINISHES WITH VCT - SEE PLAN SCHEDULE AND PLAN FOR ADDITIONAL INFORMATION

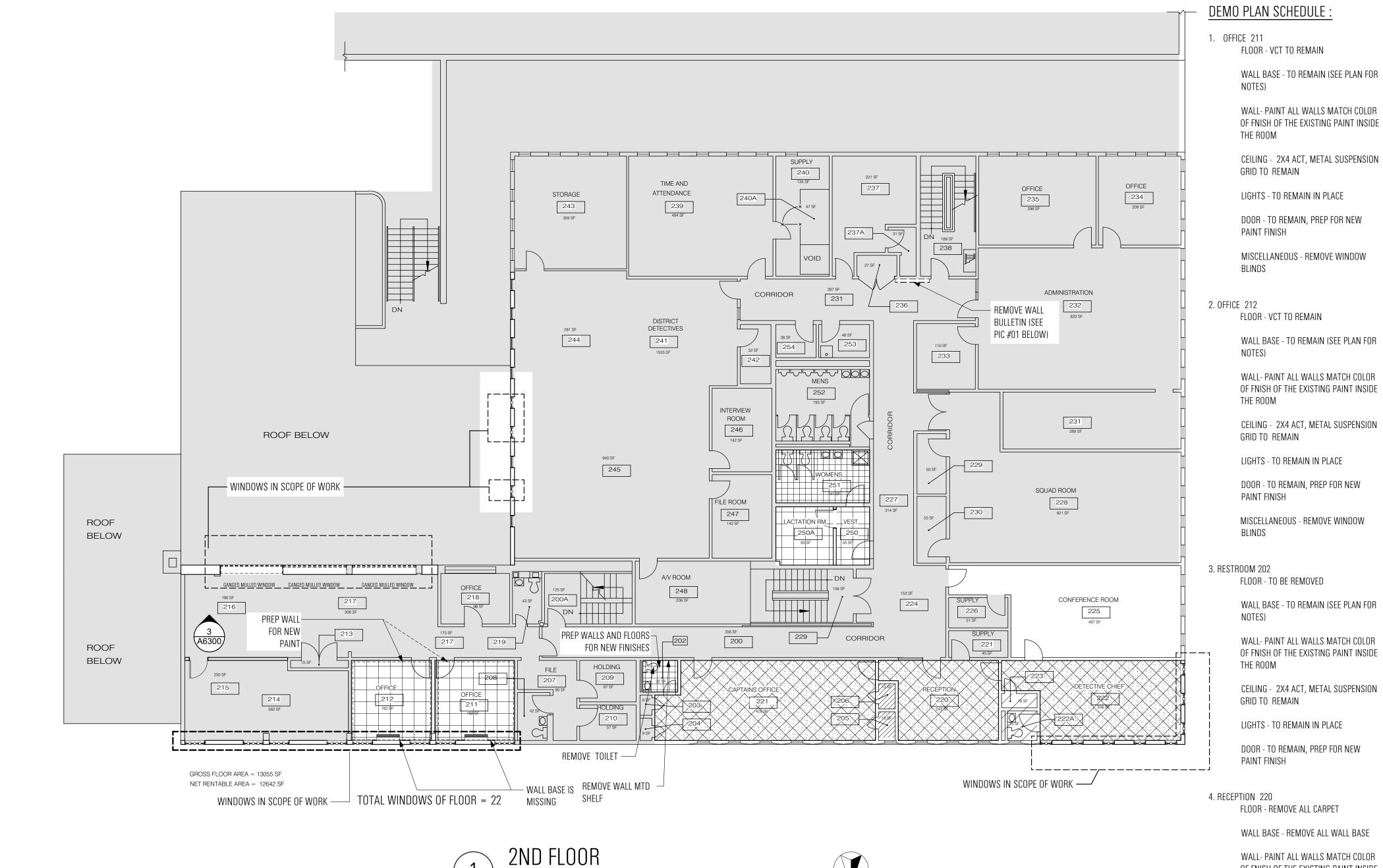


ROOM WITH CERAMIC TILE ---SEE PLAN SCHEDULE AND PLAN FOR ADDITIONAL INFORMATION



**REFER TO DRAWING** 

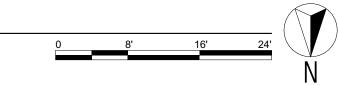
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PIC #01

BIMcloud: EMA-BIM-1 - BIMcloud Basic for ARCHICAD 25/2021/21\_23 DCAM MPD3-4/29/2022



SCALE: 3/32" = 1'-0"

WALL BASE - REMOVE ALL WALL BASE

WALL- PAINT ALL WALLS MATCH COLOR OF FNISH OF THE EXISTING PAINT INSIDE THE ROOM

CEILING - TO REMAIN

PAINT FINISH

BLINDS

LIGHTS - TO REMAIN IN PLACE

DOOR - TO REMAIN, PREP FOR NEW

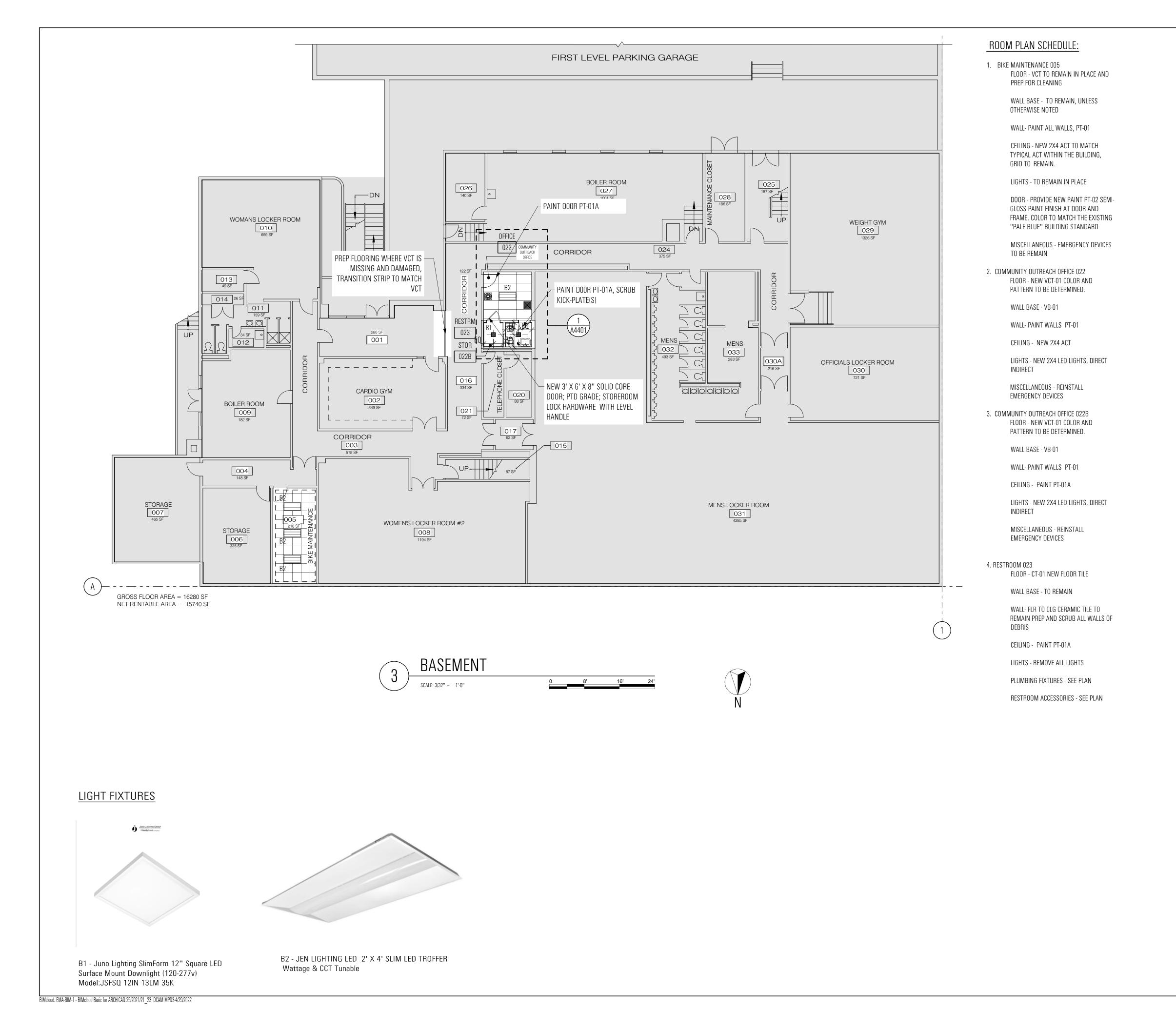
MISCELLANEOUS - REMOVE WINDOW

	DEMOLITION GENERAL NOTES	PPROVAL:
<ul> <li>S. CAPTAIN OFF. 221 &amp; DETECTIVE OFF. 222 FLOOR - REMOVE ALL CARPET TILE WALL BASE - REMOVE ALL WAL;BASE</li> <li>WALL-PAINT ALL WALLS MATCH COLOR OF FNISH OF THE EXISTING PAINT INSIDE THE ROOM</li> <li>CEILING - 2X4 ACT, METAL SUSPENSION GRID TO REMAIN</li> <li>LIGHTS - TO REMAIN IN PLACE</li> <li>DOOR - TO REMAIN, PREP FOR NEW PAINT FINISH</li> <li>MISCELLANEOUS - NEW WINDOW BLINDS TO MATCH THE EXISTING BUILDING STANDARD</li> <li>S. CONFERENCE ROOM 225 FLOOR - REMOVE ALL CARPET TILE WALL BASE - REMOVE ALL CARPET TILE WALL BASE - REMOVE ALL WAL;BASE</li> <li>WALL -PAINT ALL WALLS MATCH COLOR OF FNISH OF THE EXISTING PAINT INSIDE THE ROOM</li> <li>CEILING - 2X4 ACT, METAL SUSPENSION GRID TO REMAIN</li> <li>LIGHTS - TO REMAIN IN PLACE</li> <li>DOOR - TO REMAIN, PREP FOR NEW PAINT FINISH</li> <li>MISCELLANEOUS - NEW WINDOW BLINDS TO MATCH THE EXISTING BUILDING STANDARD</li> <li>7. VESTIBULE 250 FLOOR - TO REMAIN IN PLACE</li> <li>WALL BASE - TO REMAIN</li> <li>WALL PAINT ALL WALLS MATCH COLOR OF FNISH OF THE EXISTING PAINT INSIDE THE ROOM.</li> <li>CEILING - TO REMAIN IN PLACE</li> <li>DOOR - TO REMAIN IN PLACE</li> <li>WALL BASE - TO REMAIN IN PLACE</li> <li>DOOR - TO REMAIN IN PLACE</li> <li>WALL BASE - TO REMAIN IN PLACE</li> <li>DOOR - TO REMAIN IN PLACE</li> <li>WALL BASE - TO REMAIN</li> </ul>	<ul> <li>DEMOLITION GENERAL NOTES</li> <li>ALL DASHED PARTITIONS, DOORS, PLUMBING FIXTURES, LIGHT FIXTURES, OUTLETS AND MILLWORK ARE TO BE REMOVED.</li> <li>CONTRACTOR TO NOTIFY ARCHITECT/ STRUCTURAL ENGINEER OF ANY UNANTICIPATED CONDITIONS DURING DEMO.</li> <li>THE GENERAL CONTRACTOR SHALL AT ALL TIMES PROTECT THE SITE AND ADJACENT PROPERTY, INCLUDING BUT NOT LIMITED TO WINDOWS, FLOOR JOISTS, AND, ELECTRICAL AND MECHANICAL EQUIPMENT TO REMAIN.</li> <li>THE GENERAL CONTRACTOR SHALL REMOVE AND REINSTALL ALL ELECTRICAL WALL CONDUITS, INCLUDING SWITCH BOXES, PLATES, BRIDGES OR ANY OTHER ELECTRICAL EQUIPMENT WHERE PAINT FINISHES.</li> <li>THE GENERAL CONTRACTOR SHALL REFERENCE ENGINEERING NARRATIVE FOR EXTENT OF MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION.</li> <li>WHERE EXISTING FLOORS AND WALLS MUST BE CUT OR ARE DAMAGED DURING REMOVAL OF MECHANICAL WORK, PATCH AREAS TO MATCH ADJACENT CONSTRUCTION.</li> <li>WHERE EXISTING FLOORS AND WALLS MUST BE CUT OR ARE DAMAGED DURING REMOVAL OF MECHANICAL WORK, PATCH AREAS TO MATCH ADJACENT CONSTRUCTION.</li> <li>ALL DEMOLITION WORK SHALL BE COORDINATED WITH NEW WORK.</li> <li>PATCH AND REPAIR ALL EXISTING FIRE-RATED CONSTRUCTION AND ASSEMBLIES AS REQUIRED TO MAINTAIN THEIR REQUIRED RATING.</li> <li>WHERE REMOVAL OF PARTITIONS OR WALLS RESULTS IN ADJACENT SPACES BECOMING ONE, REWORK FLOORS, WALLS AND CEILINGS TO PROVIDE A SMOOTH PLANE WITHOUT BREAKS, STEPS OR BULKHEADS.</li> <li>PROTECT FROM DAMAGE, ALL EXISTING WORK TO REMAIN AND NEW WORK. REPLACE WITH MATERIALS AND EQUIPMENT CONFORMING TO THESE SPECIFICATIONS.</li> <li>EXISTING ITEMS DESIGNATED FOR RE-USE SHALL BE CAREFULLY AND SECURELY STORED PRIOR TO REINSTALLATION. CONTRACTOR TO CLEAN AND VERIFY WORKING CONDITION OF ALL RE-INSTALLED ITEMS.</li> <li>NOT USED.ANY EXISTING DIMENSIONS SHOWN IN DEMO PLANS ARE FOR REFERENCE ONLY. G.C. TO VIF ALL CONDITIONS AND CRITICAL DIMENSIONS.</li> <li>SEE SHEET 0003 FOR HAZARDOUS WASTE REMOVAL.</li> <li>COMMUNITY OUTREACH</li></ul>	DD 100% DRAWINGS 04/29/2022 PROJECT NAME: DCAM MPD3 1620 V ST, NW WASHINGTON DC 20009 CLIENT: Department of General Services 1250 U Street NW 4th Floor WASHINGTON DC 20009 CONSULTANTS:
<ul> <li>WALL- PAINT ALL WALLS MATCH COLOR OF FNISH OF THE EXISTING PAINT INSIDE THE ROOM.</li> <li>CEILING - TO REMAIN</li> <li>LIGHTS - TO REMAIN IN PLACE</li> <li>DOOR - TO REMAIN, PREP FOR NEW PAINT FINISH</li> <li>DOOR HARDWARE - LOCK SET WITH OCCUPANCY INDICATOR</li> <li>9. WOMEN'S RM 251 FLOOR - TO REMAIN IN PLACE</li> <li>WALL BASE - TO REMAIN</li> <li>WALL- PAINT ALL WALLS MATCH COLOR OF FNISH OF THE EXISTING PAINT INSIDE THE ROOM.</li> <li>WALL TILE - TO REMAIN</li> <li>CEILING - TO REMAIN</li> <li>LIGHTS - TO REMAIN IN PLACE</li> <li>DOOR - TO REMAIN IN PLACE</li> <li>DOOR - TO REMAIN IN PLACE</li> <li>DOOR - TO REMAIN IN PLACE</li> </ul>	DEMO PLAN LEGEND         EXISTING TO REMAIN AND         NOT IN SCOPE OF WORK         Image: Stress of the stress of t	WWSINGTON, DE 20030         PHONE: 202-470-5570       FAX:202-318-8684         WWW.emotivearch.com         NO       ISSUE / REVISED       DATE         D       D       D       D         Job       Z1_23       Z1_23         REFER TO DRAWING       REFER TO DRAWING

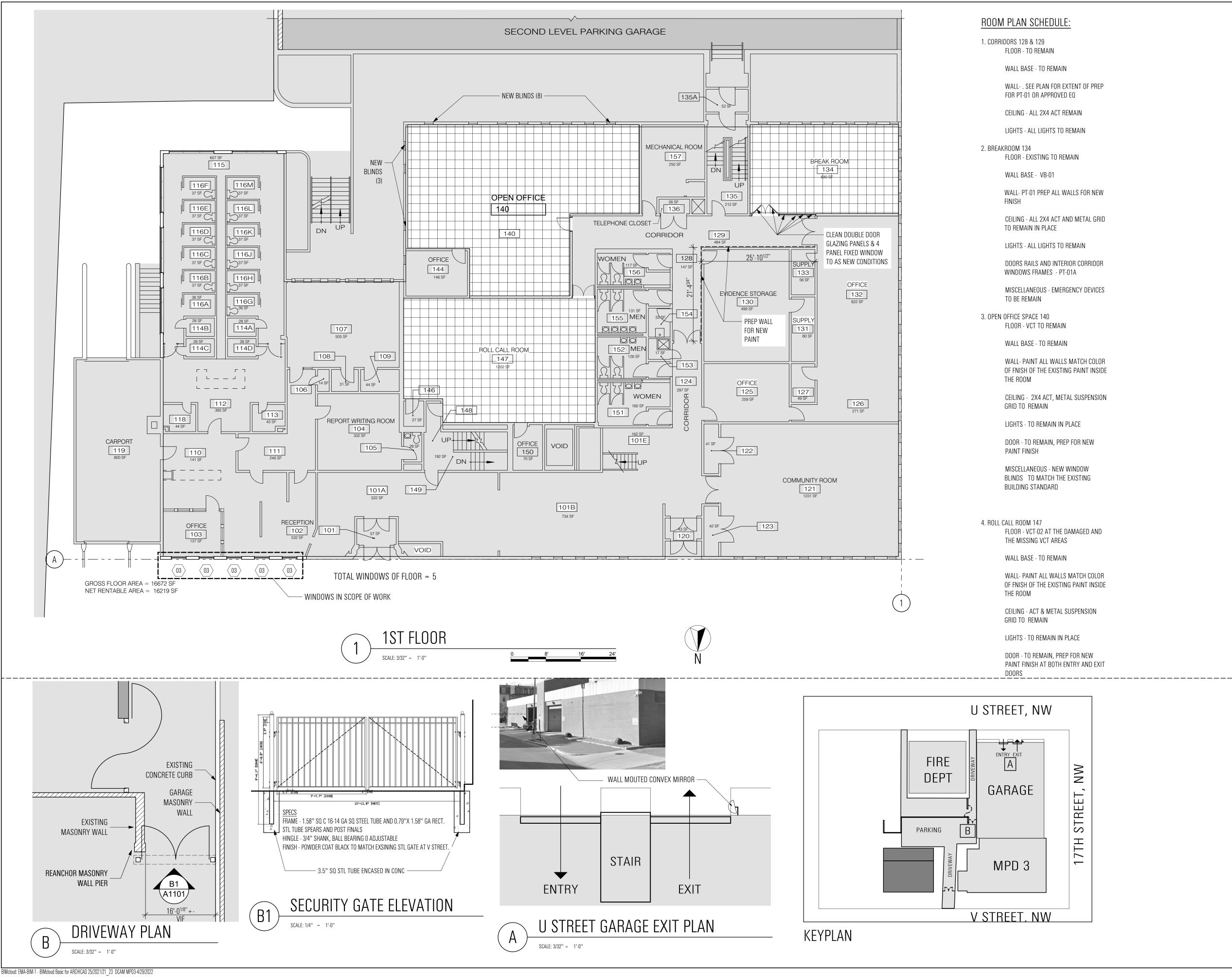
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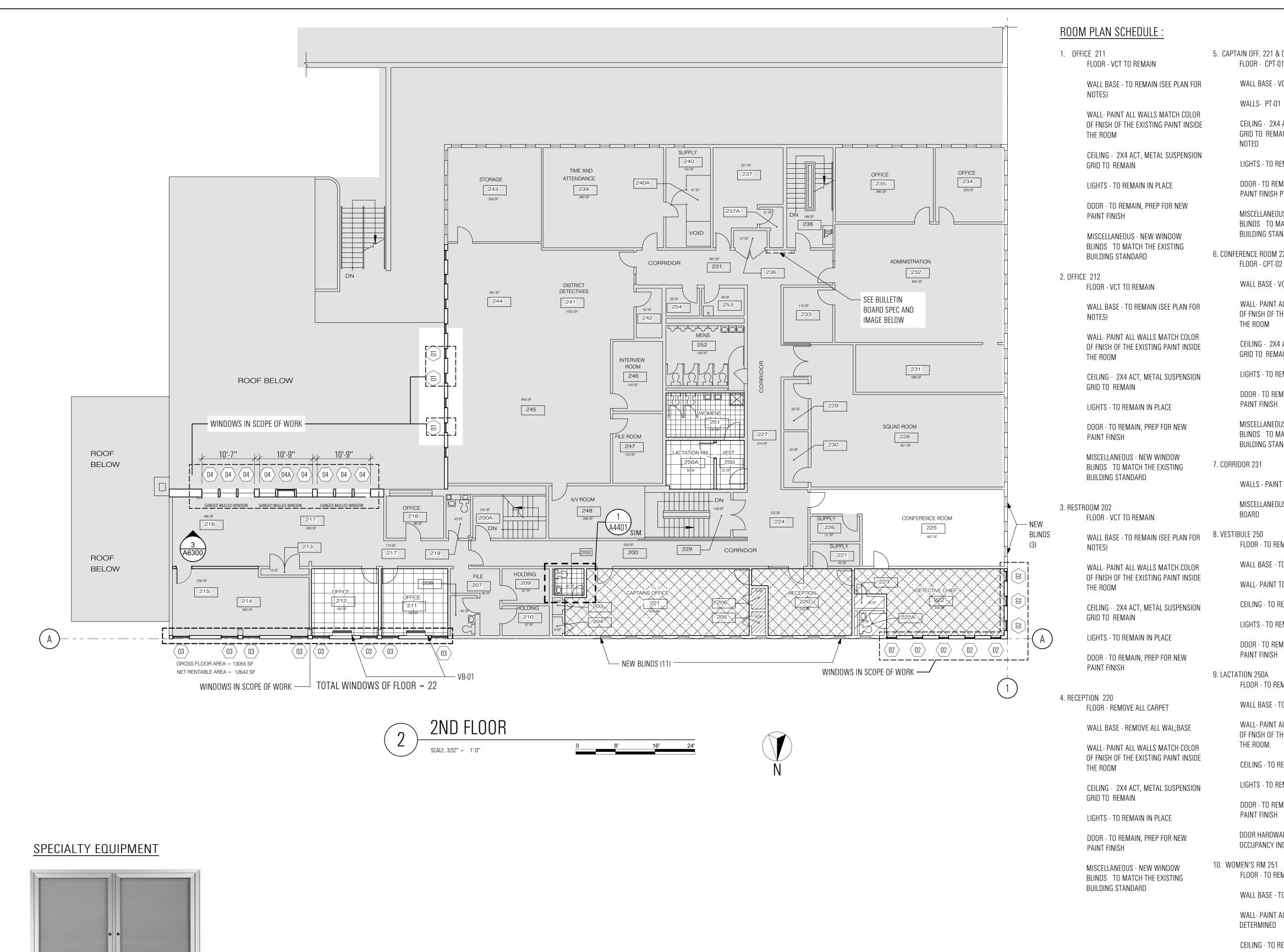




PLAN LEGEND         EXISTING TO REMAIN AND MOT IN SCOPE OF WORK         ROOM FINISHES WITH VCT - SEE PLAN SCHEDULE AND PLAN FOR ADDITIONAL INFORMATION         ROOM FINISHES WITH CAPPET THE - SEE PLAN SCHEDULE AND PLAN FOR ADDITIONAL INFORMATION         ROOM WITH CERAMIC TILE - SEE PLAN SCHEDULE AND PLAN FOR ADDITIONAL INFORMATION         ROOM FINISH SCHEDULE AND PLAN FOR ADDITIONAL INFORMATION         ROOM FINISH SCHEDULE AND PLAN FOR ADDITIONAL INFORMATION         WE-01 CHARMIC TILE, PATTERN, SIZE COUGN TO BE DEFINATIONE BASE, BIS ALCK BROWN         VE-02 NEW VINYL BASE TO BE JOHNSON TE 700 SERIES STANARD TOE BASE, BIS ALCK BROWN         VE-02 NEW VINYL BASE TO BE JOHNSON TE 700 SERIES STANARD TOE BASE, BIS ALCK BROWN         VE-02 NEW VINYL BASE TO BE JOHNSON TE 700 SERIES STANARD TOE BASE, BIS ALCK BROWN         VE-02 NEW VINYL BASE TO BE JOHNSON TE 700 SERIES STANARD TOE BASE, BIS ALCK BROWN         VE-02 NEW VINYL BASE TO BE JOHNSON TE 700 SERIES STANARD TOE BASE, BIS ALCK BROWN         VE-02 NEW VINYL BASE TO BE JOHNSON TE 700 SERIES STANARD TOE BASE, BIS ALCK BROWN         VE-02 NEW VINYL BASE TO BE JOHNSON TE 700 SERIES STANARD TOE BASE, BIS ALCK BROWN         WHTE, EGGSHELL PT-01 SHERWIN WILLIAMS, SW7005 PURE WHTE, EGGSHELL PT-02 SHERWIN WILLIAMS, SW7005 PURE WHTE, SEMI-GLOSS ACT USG 2' X 4'         DI ME DEFINISHER WHTE, SEMI-GLOSS         PT-02 SHERWIN WILLIAMS, SW7005 PURE WHTE, SEMI-GLOSS         PT-02 SHERWIN WILLIAMS, SW7005 PURE WHTE, SEMI-GLOSS         PT-02 SHERWIN WILLIAMS, SW7	<ul> <li>PLAN GENERAL NOTES</li> <li>ALL INTERIOR WALLS/ PARTITIONS - PATCH AND REPAIR PAINT FINISH WHERE DEMO AND NEW CONSTRUCTION HAS TAKEN PLACE.</li> <li>ALL WINDOWS THAT ARE IDENTIFIED IN THE PLANS TO BE MEASURED AND VERIFIED IN FIELD PRIOR TO INSTALLATION.</li> <li>SEE COVER SHEET FOR ADDITIONAL GENERAL NOTES.</li> </ul>	AGENCY APPROVAL:
VCT-01 ARMSTRONG 12" X 12" CT-01 CERAMIIC TILE, PATTERN, SIZE. COLOR, TO BE DETERMINED VB-01 NEW VINYL BASE TO BE JOHNSONITE 700 SERIES STANARD TOE BASE, 193 BLACK BROWN VB-02 NEW VINYL BASE TO BE JOHNSONITE 700 SERIES STANARD TOE BASE, BLACK PT-01 SHERWIN WILLIAMS, SW7005 PURE WHITE, EGGSHELL PT-01 SHERWIN WILLIAMS, SW7005 PURE WHITE, SEMI-GLOSS PT-02 SHERWIN WILLIAMS, SEMI-GLOSS ACT USG 2' X 4' NO ISSUE / REVISED JOB # 21_23 BASEMENT FLO	EXISTING TO REMAIN AND NOT IN SCOPE OF WORK         ROOM FINISHES WITH VCT - SEE PLAN SCHEDULE AND PLAN FOR ADDITIONAL INFORMATION         ROOM FINISHES WITH CARPET TILE - SEE PLAN SCHEDULE AND PLAN FOR ADDITIONAL INFORMATION         ROOM WITH CERAMIC TILE SEE PLAN SCHEDULE AND PLAN FOR ADDITIONAL	PROJECT NAME: DCAM MPD3 1620 V ST, NW WASHINGTON DC 20009 CLIENT: Department of General Services 1250 U Street NW 4th Floor WASHINGTON DC 20009
	<ul> <li>VCT-01 ARMSTRONG 12" X 12"</li> <li>CT-01 CERAMIIC TILE, PATTERN, SIZE. COLOR, TO BE DETERMINED</li> <li>VB-01 NEW VINYL BASE TO BE JOHNSONITE 700 SERIES STANARD TOE BASE, 193 BLACK BROWN</li> <li>VB-02 NEW VINYL BASE TO BE JOHNSONITE 700 SERIES STANARD TOE BASE, BLACK</li> <li>PT-01 SHERWIN WILLIAMS, SW7005 PURE WHITE, EGGSHELL</li> <li>PT-01A SHERWIN WILLIAMS, SW7005 PURE WHITE, SEMI-GLOSS</li> <li>PT-02 SHERWIN WILLIAMS, SEMI-GLOSS</li> </ul>	1350 CONNECTICUT AVE , SUITE 501         WASHINGTON, DC 20036         PHONE: 202-470-5570 FAX:202-318-8684         WWW.emotivearch.com         NO ISSUE / REVISED DATE         DATE         JOB ISSUE / REVISED DATE         JOB # 21_23         BASEMENT FLOOR         PLAN         REFER TO DRAWING



<ul> <li>PLAN GENERAL NOTES</li> <li>1. ALL INTERIOR WALLS/ PARTITIONS - PATCH AND REPAIR PAINT FINISH WHERE DEMO AND NEW CONSTRUCTION HAS TAKEN PLACE.</li> <li>2. ALL WINDOWS THAT ARE IDENTIFIED IN THE PLANS TO BE MEASURED AND VERIFIED IN FIELD PRIOR TO INSTALLATION.</li> <li>3. SEE COVER SHEET FOR ADDITIONAL GENERAL NOTES.</li> </ul>	AGENCY APPROVAL:
PLAN LEGEND         EXISTING TO REMAIN AND         NOT IN SCOPE OF WORK         Image: Stress of the st	DD 100% DRAWINGS 04/29/2022 PROJECT NAME: DCAM MPD3 1620 V ST, NW WASHINGTON DC 20009 CLIENT: Department of General Services 1250 U Street NW 4th Floor WASHINGTON DC 20009
ROOM FINISH SCHEDULEVCT-01ARMSTRONG 12" X 12"CT-01CERAMIIC TILE, PATTERN, SIZE. COLOR, TO BE DETERMINEDVB-01NEW VINYL BASE TO BE JOHNSONITE 700 SERIES STANARD TOE BASE, 193 BLACK BROWNVB-02NEW VINYL BASE TO BE JOHNSONITE 700 SERIES STANARD TOE BASE, BLACK	A R C H I T E C T U R E 1350 CONNECTICUT AVE , SUITE 501 WASHINGTON, DC 20036 PHONE: 202-470-5570 FAX:202-318-8684 www.emotivearch.com
PT-01 SHERWIN WILLIAMS, SW7005 PURE WHITE, EGGSHELL PT-01A SHERWIN WILLIAMS, SW7005 PURE WHITE, SEMI-GLOSS PT-02 SHERWIN WILLIAMS, SEMI-GLOSS - ACT USG 2' X 4'	NO       ISSUE / REVISED       DATE
	JOB # 21_23 1ST FLOOR PLAN REFER TO DRAWING
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## BULLETIN BOARD

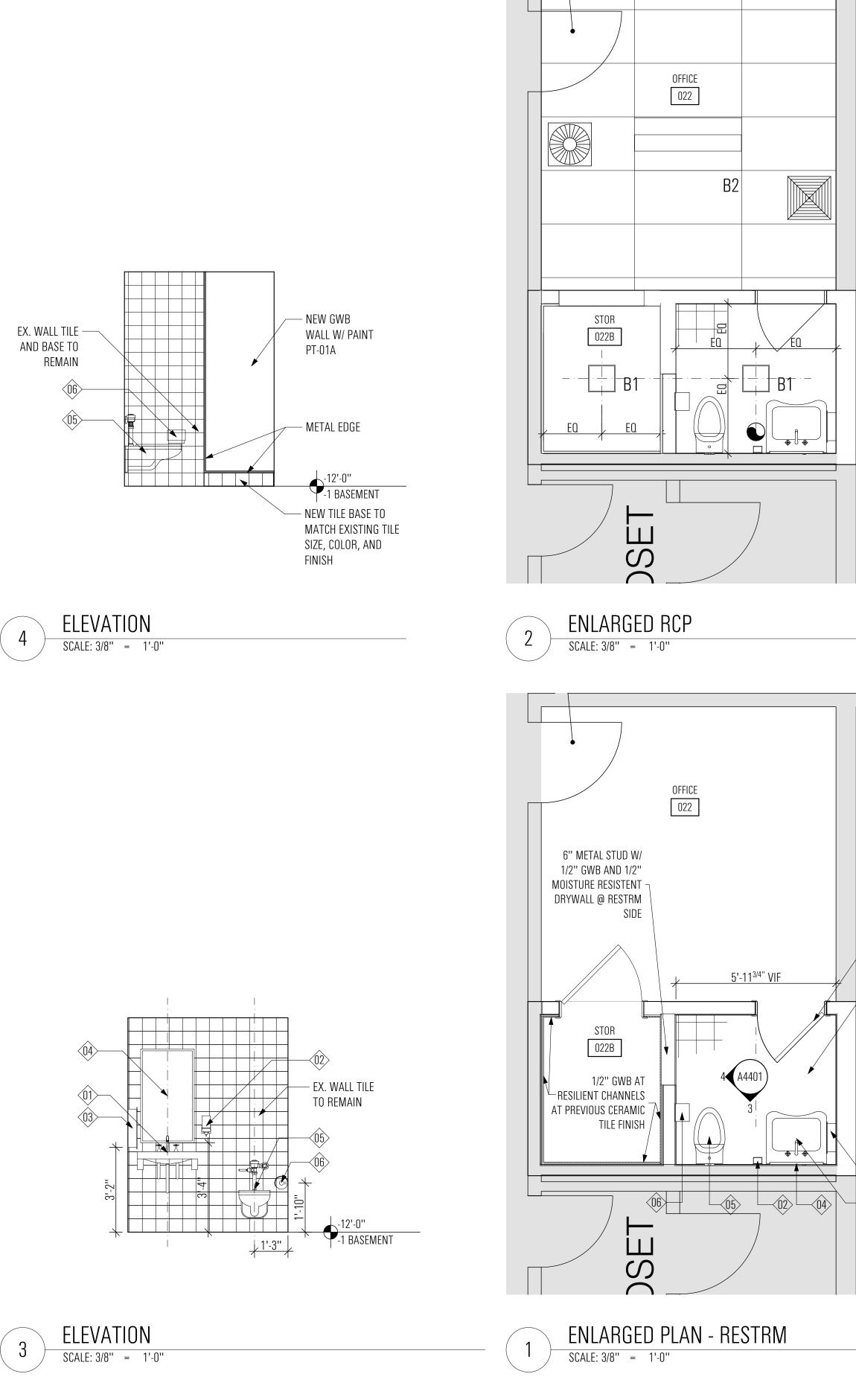
60 x 48 Enclosed Cork Board with 2 Locking Doors- Silver Interior cork surface that is 60" x 48" for tacking printed material. Durable aluminum frame with silver finish. Swinging acrylic doors with lock.Enclosed fixture mounts directly to the wall with included hardware. Z-bar wall mounting - requires two person lift.

LIGHTS - TO RE

DOOR - TO REN PAINT FINISH

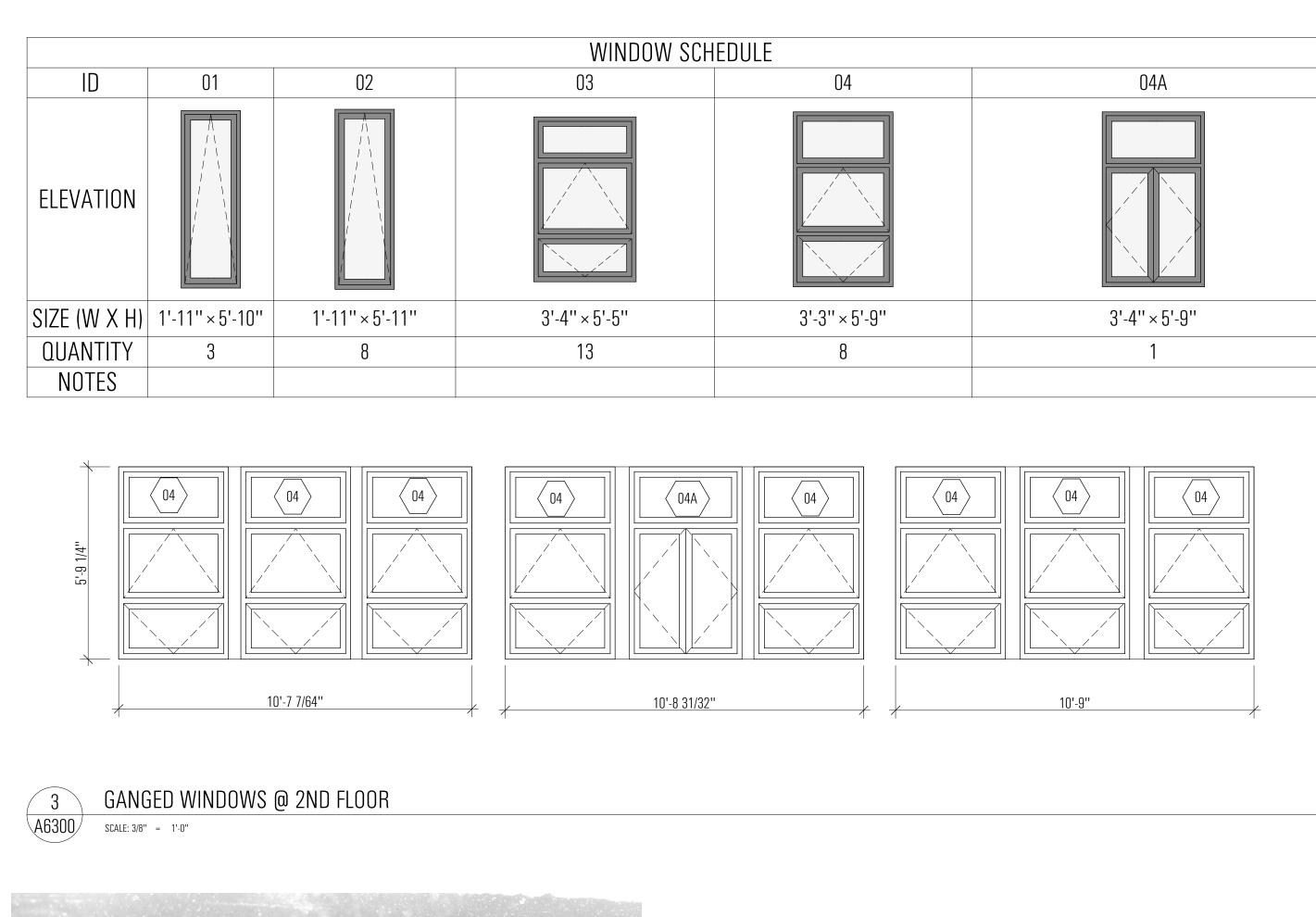
	PLAN GENERAL NOTES	PPROVAL:	
DETECTIVE OFF. 222	1. ALL INTERIOR WALLS/ PARTITIONS - PATCH	agency approval	
)]	AND REPAIR PAINT FINISH WHERE DEMO AND NEW CONSTRUCTION HAS TAKEN		
/CT-01	PLACE.		
ACT, METAL SUSPENSION	PLANS TO BE MEASURED AND VERIFIED IN FIELD PRIOR TO INSTALLATION.		
AIN, UNLESS OTHERWISW	3. SEE COVER SHEET FOR ADDITIONAL GENERAL NOTES.		
EMAIN IN PLACE			
MAIN, PREP FOR NEW PT-01A			
US - NEW WINDOW IATCH THE EXISTING NDARD			DD 100% DRAWINGS 04/29/2022
225 2	PLAN LEGEND		
/CT-01	NOT IN SCOPE OF WORK		
ALL WALLS MATCH COLOR	ROOM FINISHES WITH VCT - SEE		
HE EXISTING PAINT INSIDE	PLAN SCHEDULE AND PLAN FOR ADDITIONAL		DCAM MPD3
ACT, METAL SUSPENSION	INFORMATION	L	1620 V ST, NW WASHINGTON DC 20009
EMAIN IN PLACE	TILE - SEE PLAN SCHEDULE AND PLAN FOR ADDITIONAL INFORMATION		CLIENT: Department of Conoral
MAIN, PREP FOR NEW	ROOM WITH CERAMIC TILE SEE PLAN SCHEDULE AND	10	Department of General Services
US - NEW WINDOW IATCH THE EXISTING	PLAN FOR ADDITIONAL		250 U Street NW 4th Floor WASHINGTON DC 20009
NDARD			CONSULTANTS:
T TO MATCH EXISTING			
US - NEW BULLETIN			
MAIN IN PLACE	ROOM FINISH SCHEDULE		
TO REMAIN	VCT-01 ARMSTRONG 12" X 12"		
TO BE DETERMINED	CT-01 CERAMIIC TILE, PATTERN, SIZE. COLOR, TO BE DETERMINED		
REMAIN EMAIN IN PLACE	VB-01 NEW VINYL BASE TO BE JOHNSONITE 700 SERIES STANARD TOE		emotive
MAIN, PREP FOR NEW	BASE, 193 BLACK BROWN VB-02 NEW VINYL BASE TO BE JOHNSONITE		A R C H I T E C T U R E
	700 SERIES STANARD TOE BASE, BLACK		1350 CONNECTICUT AVE , SUITE 501 WASHINGTON, DC 20036 PHONE: 202-470-5570 FAX:202-318-8684 www.emotivearch.com
MAIN IN PLACE	PT-01 SHERWIN WILLIAMS, SW7005 PURE		
TO REMAIN ALL WALLS MATCH COLOR	WHITE, EGGSHELL		NO ISSUE / REVISED DATE
HE EXISTING PAINT INSIDE	WHITE, SEMI-GLOSS		
REMAIN	PT-02 SHERWIN WILLIAMS, SEMI-GLOSS		
EMAIN IN PLACE	   		
MAIN, PREP FOR NEW			
ARE - LOCK SET WITH NDICATOR			
MAIN IN PLACE			JOB # 21 23
TO REMAIN			·   -
ALL WALLS COLOR TO BE			
REMAIN			2ND FLOOR PLAN
EMAIN IN PLACE			
MAIN, PREP FOR NEW			
	   		REFER TO DRAWING
	   		A1102
			Copyright © 2022 Emotive Architecture, PLLC. All Rights Reserved.

PL	PLUMBING FIXTURE SCHEDULE						
ID Description							
01	EXISTING LAVATORY TO REMAIN						
02	EXISTING SOAP DISPENSER TO REMAIN						
03	NEW WALL HUNG PAPER TOWEL						
00	DISPENSER - TBD						
04	NEW WALL HUNG MIRROR - TBD						
05	NEW WALL HUNG TOILET - TBD						
06	NEW WALL MOUNTED TOILET PAPER						
00	HOLDER - TBD						



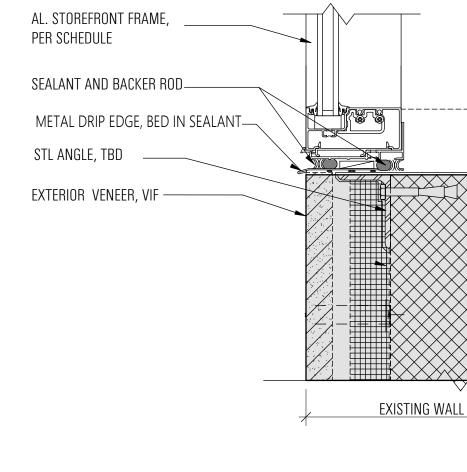
	<ol> <li>ENLARGED RESTROOM NOTES</li> <li>VERIFY ALL DIMENSIONS PRIOR TO ORDERING CABINETS. NOTIFY THE ARCHITECT OF DISCREPANCIES.</li> <li>SEE SHEET SERIES E000 FOR LIGHTING PLANS AND LIGHT FIXTURE SCHEDULE.</li> <li>SEE FLOOR PLAN FOR CRITICAL DIMENSIONS AND WALL TYPES NOT SHOWN ON THE ENLARGED PLAN.</li> <li>REFER MEP DRAWINGS FOR ADDITIONAL INFORMATION.</li> <li>SEE SHEET A1100 FOR NEW LIGHT FIXTURES.</li> </ol>	TMOBUHU JUNION DRAWINGS 04/29/2022
RESTRM D23	LIGHT FIXTURE SCHEDULE         TYPE       MODEL & DESCRIPTION         B1       Juno Lighting SlimForm 12'' Square LED Surface Mount         Downlight (120-277v) Model:JSFS0 12IN 13LM 35K         B2       JEN LIGHTING LED 2' X 4' SLIM LED TROFFER         Wattage & CCT Tunable         CEILING TYPE NOTES/LEGEND         X X'-XX''       - CEILING HEIGHT ABOVE FLOOR         4' X 2' LAY IN CEILING PER DETAIL         ARCH LIGHT FIXTURE LEGEND         CEILING RECESSED LIGHT         X       SURFACE MOUNTED FIXTURE         X       EXHAUST FAN	PROJECT NAME: DCAN MPD3 1620 V ST, NW WASHINGTON DC 20009 CLIENT: Department of General Services 1250 U Street NW 4th Floor WASHINGTON DC 20009
	MECHANICAL GRILLE - SEE MECH DWGS MECHANICAL GRILLE - SEE MECH DWGS MECHANICAL GRILLE - SEE MECH DWGS <u>RCP GENERAL NOTES</u> 1. GC TO NOTIFY ARCHITECT IF EXISTING CEILING OFFSETS/ DROPS CONFLICT WITH PROPOSED RCP.	
PAINT DOOR PT-01A, SCRUB KICK-PLATE(S) EXISTING TILE FLOORING TO REMAIN	<ol> <li>PROVIDE CONTROL JOINTS IN SUSPENDED GYPSUM BOARD CEILINGS AS SHOWN ON DRAWINGS AND/OR AS REQUIRED BY THE GYPSUM ASSOCIATION. LOCATIONS SHALL BE REVIEWED AND ACCEPTED BY ARCHITECT/OWNER PRIOR TO INSTALLATION.</li> <li>CONTRACTOR SHALL PROVIDE ACCESS PANELS IN SUSPENDED GYP BOARD CEILINGS AS SHOWN ON DRAWINGS AND/OR AS REQUIRED TO SERVICE MEPFP SYSTEMS AND EQUIPMENT IN GYP BOARD CEILINGS. LOCATIONS NOT SHOWN ON DRAWINGS SHALL BE VERIFIED WITH ARCHITECT BEFORE INSTALLATION.</li> <li>PROVIDE ALL NECESSARY BLOCKING, SUPPORTS, ETC. FOR ACCESS PANELS,CEILING TRIM, LIGHT FIXTURES, WINDOW TREATMENTS, AND ALL OTHER CEILING MOUNTED EQUIPMENT OR DEVICES AS REQ'D.</li> <li>REFER TO MECHANICAL DRAWINGS FOR LOCATION AND SIZE OF HVAC DUCTS AND DIFFUSERS.</li> <li>LIGHT FIXTURES NOT DIMENSIONED ARE PLACED IN THE CENTER OF ROOM, UNLESS OTHERWISE NOTED</li> <li><u>GC TO DETERMINE IF INDIVIDUAL ROOM HEIGHTS HAS CAN BE RAISED. NOTIFY ARCHITECT OF DISCREPANCIES IN CLG HT ON RCP.</u></li> <li>SEE FIXTURE SCHEDULE FOR DESIGNATIONS.</li> <li>BATHROOM VANITY LIGHTS SHOULD BE CENTERED ON VANITY, UNLESS OTHERWISE NOTED.</li> <li>PROVIDE 1HR RATED METAL BOX ENCLOSURE AT ALL RECESSED LIGHT LOCATIONS IN 1 HR RATED CEILING (NORA LIGHTING NRA-</li> </ol>	A R C H I T E C T U R E         1350 CONNECTICUT AVE , SUITE 501         WASHINGTON, DC 20036         PHONE: 202-470-5570         FAX:202-318-8684         www.emotivearch.com
RESTRM 03 01	<ul> <li>126, OR APPROVED EQUAL)</li> <li>11. EXHAUST GRILLE, RETURN GRILLE , WALL MOUNTED RETURN GRILLE - SEE MECHANICAL DWGS FOR SIZE.</li> <li>12. G.C. VIF ROOF STRUCTURE AND IF IT SLOPES AND REPORT BACK TO ARCHITECT.</li> <li>13. <u>ALL FIRE ALARM DEVICES AND STROBES TO BE WHITE.</u></li> <li>TYP RECEPTACLE MTG HGTS wall mounted smoke detector or fire strobe bell all outlets, switches and other wall mounted devices when shown in close proximity on plan, should be centered on each other</li> <li>switches and countertop outlets standard outlet</li> </ul>	JOB # 21_23
	scheduled base	A4401 Copyright <sup>©</sup> 2022 Emotive Architecture, PLLC. All Rights Reserved.

RESTRM 023





EXISTING GLAZING INDENTIFICATION NUMBER



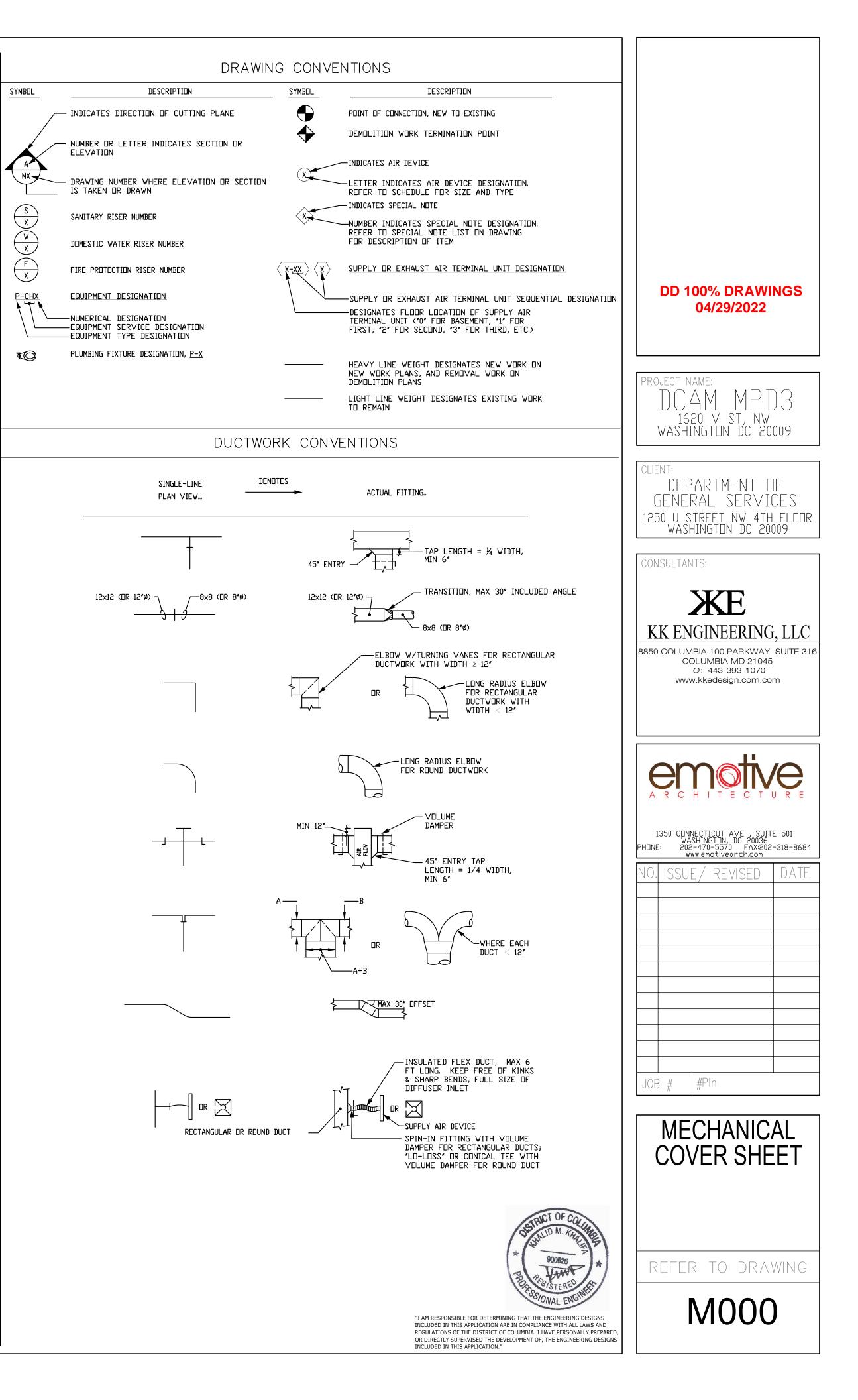


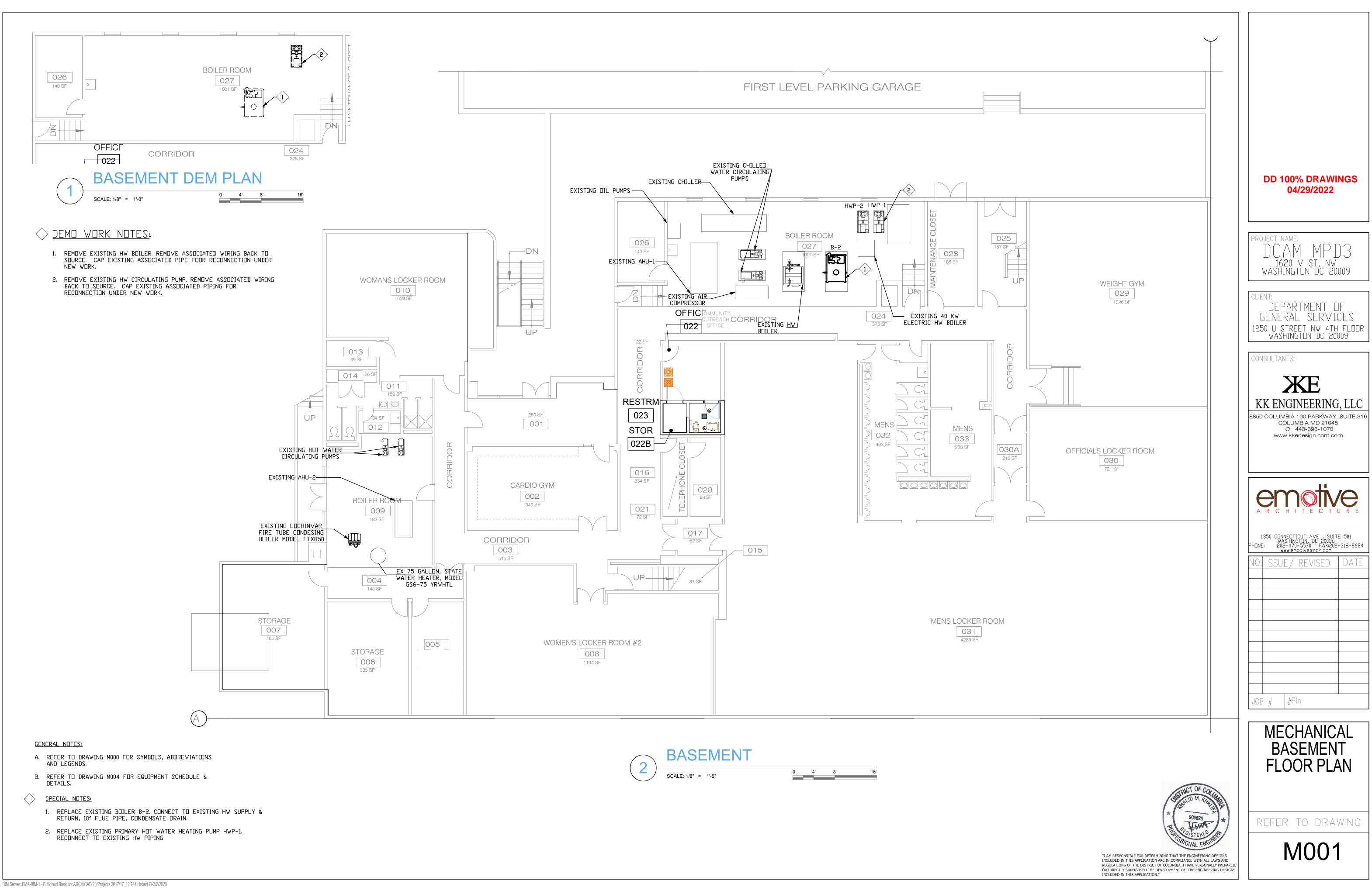
SCALE: 3" = 1'-0"

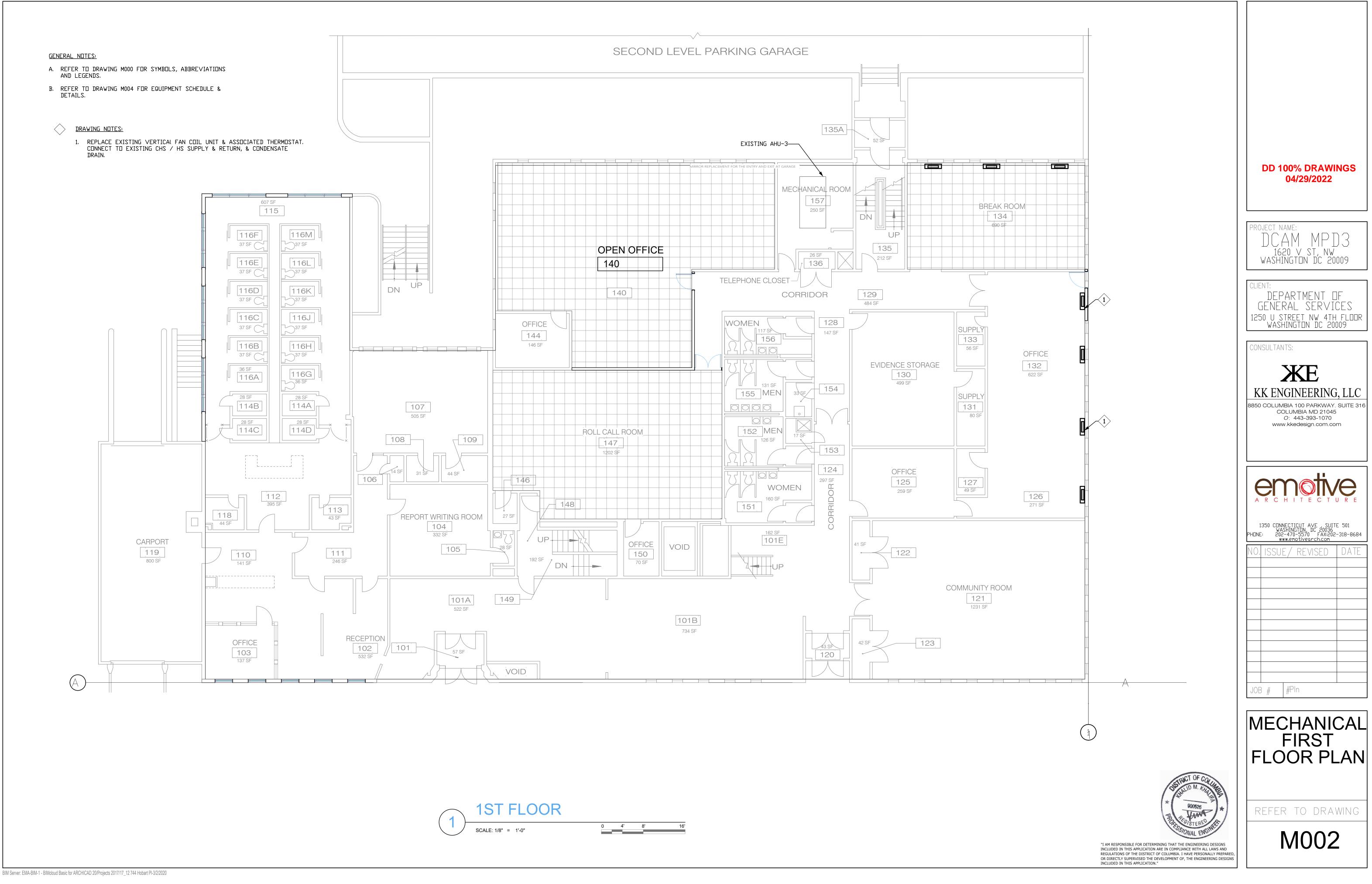
GENERAL WINDOW NOTES:	PPROVAL:
<ol> <li>CONTRACTOR TO FIELD VERIFY ALL MASONRY AN ROUGH OPENINGS PRIOR TO ORDERING WINDOW SUBMIT SHOP DRAWINGS FOR APPROVAL.</li> <li>PROVIDE DOUBLE INSULATED LOW E GLAZING IN WINDOWS.</li> <li>ALL UNITS WITHIN 24" OF A DOOR AND WHOSE ARE LESS THAN 60" AFF SHALL HAVE TEMPEREE GLAZING (SEE 2012 IBC SECTION 2406 FOR ADDITIONAL INFORMATION)</li> <li>PROVIDE SCREENS FOR ALL OPERABLE UNITS.</li> <li>PROVIDE FULL WEATHERSTRIPPING.</li> <li>PERFORM IN-SITU PERFORMANCE TESTING ON WINDOWS.</li> <li>REFER TO SHEET 0004 FOR THERMAL PERFORMA CRITERIA.</li> <li>ALL CASEMENT WINDOWS FOLD IN.</li> <li>GLAZING IN INDEPENDENT WINDOWS WHOSE SI ARE LESS THAN 18" MUST BE SAFETY GLAZING, UNLESS PROTECTED BY A GUARDRAIL. IBC SECTI 2406.</li> </ol>	ALL ALL SILLS DD 100% DRAWINGS
<ol> <li>ALL UNITS WITH SILLS LESS THAN 18" AFF ARE T HAVE TEMPERED GLAZING IN THE LOWER SASH / SCREWED SHUT WHERE NECESSARY. IN LIEU OF SAFETY GLAZING A 1 1/2" GUARDRAIL SHALL BE MOUNTED 30" AFF. ( SEE IBC 2006 SECTION 240) ADDITIONAL INFORMATION).</li> <li>WINDOW FINISH TO BE POWDER COATED. COLOL TBD.</li> <li>REFER TO BUILDING ELEVATIONS FOR WINDOW LOCATIONS.</li> <li>EXTERIOR DOORS TO HAVE MAX. U-VALUE OF O AND SHGC VALUE OF 0.40</li> <li>OPERABLE GLAZING TO HAVE MAX. U-VALUE OF 0.30 SHGC VALUE OF 0.40</li> <li>FIXED GLAZING TO HAVE MAX. U-VALUE OF 0.31 SHGC VALUE OF 0.40</li> </ol>	AND USING 5 FOR JR PROJECT NAME: DCAN MPD3 .30 1620 V ST, NW WASHINGTON DC 20009
	A       R       C       H       I       E       C       T       U       R       E         1350       CONNECTICUT AVE, SUITE 501       WASHINGTON, DC 20036       PHONE: 202-470-5570       FAX:202-318-8684         WWW.emotivearch.com       MO       ISSUE / REVISED       DATE         I       I       I       I       I
	JOB # 21_23 WINDOW SCHEDULE & DETAILS
	DETAILS REFER TO DRAWING A6300 Copyright <sup>©</sup> 2022 Emotive Architecture, PLLC. All Rights Reserved.

	ABBREVIATIONS				SY	MBOLS
ABBRE∨ AB∨ A∕C	ABBRE∨IATI⊡N AB⊡∨E AIR C⊡NDITI⊡NING	IB IN IN∨	INVERTED BUCKET TRAP INCH DR INCHES INVERT ELEVATION		SUPPLY AIR DUCT (UP,DOWN) RETURN/DUTDOOR/RELIEF AIR DUCT (UP,DOWN)	· · SAN
AC∨ AD	AUTOMATIC CONTROL VALVE ACCESS DOOR	KVA	KILDVDLT AMPERES		EXHAUST AIR DUCT (UP,DOWN)	CRW D
AFF AHU	AB⊡∨E FINISHED FL□□R AIR HANDLING UNIT	KW	KILDWATT		FIRE DAMPER WITH ACCESS DOOR	
LUM	ACTI∨E LENGTH ALUMINUM	L LAT	LENGTH LEAVING AIR TEMPERATURE		FIRE DAMPER WITH ACCESS DUDK	— — SW— – — — SSW— –
	AIR PRESSURE DRUP APPROXIMATE	LB(S) LDB	PEUND(S) LEAVING DRY BULB		SMOKE DAMPER WITH ACCESS DOOR	— — FND — - —— SANPD —
ARCH ARRG AST	ARCHITECT, ARCHITECTURAL ARRANGEMENT ABD∨EGR⊡UND ST⊡RAGE TANK	LF L.P. LVG	LINEAR FEET LOW PRESSURE LEAVING		COMBINATION FIRE AND SMOKE DAMPER	
ATC ATM	AUTOMATIC TEMPERATURE CONTROL ATMOSPHERE	LVU LWB LWT	LEAVING LEAVING WET BULB LEAVING WATER TEMPERATURE		WITH ACCESS DOOR	
TR TU	AIR TEMPERATURE RISE AIR TERMINAL UNIT	MAX	MAXIMUM			
AVG AWT	AVERAGE AVERAGE WATER TEMPERATURE	MECH MBH	MECHANICAL THOUSAND BTU'S PER HOUR		FLEXIBLE CONNECTION (DUCT)	—— TW —— —— ROS ——
BW∨	BACK WATER VALVE	MFR MIN	MANUFACTURER MINIMUM		SOUND ATTENUATOR	ROR
BHP BLDG	BRAKE HORSEPOWER BUILDING	MD MTD	MOTOR OPERATOR MOUNTED		1" SOUND LINED DUCT (DIMENSIONS SHOWN ARE AIR-SIDE)	— — — DIR — — ·
BDP BTM	BOTTOM OF PIPE BOTTOM	NAT	NATURAL		2' SOUND LINED DUCT (DIMENSIONS SHOWN ARE AIR-SIDE)	G V
BTUH BFP	BRITISH THERMAL UNITS PER HOUR BACKFLOW PREVENTER	NC N.C.	NDISE CRITERIA NDRMALLY CLOSED		TRANSITION ROUND TO RECTANGULAR	<u> </u>
°C CA∨	DEGREES CELSIUS CONSTANT AIR VOLUME	NIC N.D. ND,	NDT IN CONTRACT NORMALLY OPEN NUMBER	24×12 24×12	DUCT (SIZE IN INCHES; FIRST FIGURE IS SIDE SHOWN)	0 0
CD CFM	CEILING DIFFUSER CUBIC FEET PER MINUTE		DUTDOOR AIR		DUCT DFFSET UP IN DIRECTION OF ARROW	——————————————————————————————————————
CLG CD	CEILING CLEANDUT		DN CENTER DPEN END DUCT		DUCT DFFSET DOWN IN DIRECTION OF ARROW	——Р/А—— —— ССНS ——
CO2 COMP	CARBON DIOXIDE COMPRESSED	DS&Y	DUTSIDE SCREW AND YOKE		ROUND FLEXIBLE DUCT	— — CCHR — - — PCHS —
	CONCRETE CONNECTION, CONNECT	PACU PD	PRECISION AIR CONDITIONING UNIT PRESSURE DROP		SUPPLY AIR TERMINAL UNIT	— — PCHR — –
CONT CSA	CONTINUATION COOLING SUPPLY AIR (DUAL DUCT SYSTEM)	PF PG	POWER FACTOR PROPYLENE GLYCOL		SUPPLY AIR TERMINAL UNIT WITH REHEAT COIL	—— CHS1 —— — — CHR1 — —
	CONDENSATE RETURN UNIT CUBIC FEET	PH PLBG	PHASE PLUMBING		FAN POWERED AIR TERMINAL UNIT WITH HEATING COIL	—— CHS2 —— — — CHR2 — –
UH X	CABINET UNIT HEATER CONNECT TO EXISTING	PPH PPM	POUNDS PER HOUR (STEAM) PARTS PER MILLION	╞───┤	DUCT MOUNTED REHEAT COIL	— CHS(G) — — CHR(G) —
Ŵ	DOMESTIC COLD WATER PIPE	PRESS. PRV	PRESSURE REDUCING VALVE	K	SUPPLY AIR DEVICE	—— ICHS —— — — ICHR — -
) )B )BA	DRAIN OR DEPTH DRY BULB OR DECIBEL DECIBEL (REFERENCE "A" SCALE)	PSI(G) PUH PVC	P⊡UNDS PER SQUARE INCH (GAGE) PR⊡PELLER UNIT HEATER P⊡LY∨INYL CHL⊡RIDE		RETURN AIR DE∨ICE	——————————————————————————————————————
DBL DCP	DECIDEL (REFERENCE A SCALE) DEUBLE DIGITAL CENTREL PANEL	QTY	QUANTITY		RETURN AIR DEVICE	——— HSX ——
)DC )ESIG	DIRECT DIGITAL CONTROL DESIGNATION	R	RADIUS		EXHAUST AIR DEVICE	– — – HRX – —
DFU DIA	DRAINAGE FIXTURE UNITS DIAMETER	RA RAD	RETURN AIR RADIATED		LINEAR SLOT DIFFUSER WITH PLENUM	——— PHS ——— — — — PHR — — —
DIFF DN	DIFFUSER DDWN	RD REQ'D	ROOF DRAIN REQUIRED		SIDEWALL DIFFUSER W/ FIELD	—— HPS —— — — — HPR — — -
DW DWG	DDMESTIC WATER DRAWING	RH RHP	RELATI∨E HUMIDITY RADIANT HEATING PANEL		FABRICATED PLENUM DUCT DR WALL MOUNTED AIR DE∨ICE	—— MPS —— – — – MPR – — -
EA	EXHAUST AIR	RL RLF	RAINLEADER RELIEF AIR	í í	PROPELLER UNIT HEATER	—— LPS —— — — – LPR — — -
EAT EDB EFF	ENTERING AIR TEMPERATURE ENTERING DRY BULB EFFICIENCY	RPM RPZ RX	RE∨DLUTIDNS PER MINUTE REDUCED PRESSURE ZDNE REMD∨E EXISTING		FINNED TUBE RADIATION OR RADIANT HEATING PANEL	— STM(H) — — — – PCR — — -
G J	ETHYLENE GLYCOL EXPANSION JOINT	SA	SUPPLY AIR	-1-	RETURN AIR FLOW DIRECTION SUPPLY AIR FLOW DIRECTION	— — — VV — — – ——— RR ———
ELEC ELEV	ELECTRICAL, ELECTRIC ELEVATION OR ELEVATOR	SF SH	SQUARE FEET SENSIBLE HEAT	ø	DIAMETER	—— RS —— —— RL ——
ENT ESP	ENTERING EXTERNAL STATIC PRESSURE	SL SP	SDUND LINING STATIC PRESSURE	۶ ۶	CUBIC FEET PER MINUTE CENTER LINE	—— HG —— —— FOS ——
ETC EWB	ET CETERA ENTERING WET BULB	SPEC SQ	SPECIFICATION/PROJECT MANUAL SQUARE	Ф —	FLAT DVAL	— — — FOR — — - — — — FOO — — -
WT X	ENTERING WATER TEMPERATURE EXISTING	SRD SRL	SECONDARY (OVERFLOW) ROOF DRAIN SECONDARY (OVERFLOW) RAIN LEADER		AREA DRAIN FLOOR DRAIN	ERS 
:XP F	EXPOSED DEGREES FAHRENHEIT	S/S STL STRUCT	STAINLESS STEEL STEEL STRUCTURAL		ROOF DRAIN/SECONDARY (OVERFLOW) ROOF DRAIN	—— DTS —— — — — DTR — — -
к Тала СU	FLDAT & THERMOSTATIC TRAP FAN COIL UNIT	TEMP	TEMPERATURE		FLOOR SINK TRENCH DRAIN	——— GHS ——— – — – GHR – — -
	FLOOR CONTROL VALVE ASSEMBLY FLOOR DRAIN, FIRE DAMPER	TH TD	TOTAL HEAT TRENCH DRAIN	XX.XX	INVERT ELEVATION	GF ◀
DC DV	FIRE DEPARTMENT CONNECTION FIRE DEPARTMENT VALVE	THD TSP	THERMODYNAMIC TRAP TOTAL STATIC PRESUURE	00	CLEANDUT IN HORIZONTAL CLEANDUT IN VERTICAL	
F HC	FINISHED FLOOR FIRE HOSE CABINET	TYP	TYPICAL		DDMESTIC WATER BACKFLOW PREVENTER	
L DB	FLOOR FLAT ON BOTTOM		DOOR UNDER CUT UNLESS OTHERWISE NOTED		BACK WATER VALVE (ARROW INDICATES DIRECTION OF FLOW)	
DT PI	FLAT ON TOP FINS PER INCH	UST	UNDERGROUND STORAGE TANK		SHIICK ABSORBER Hose Bibb	 D
PM PS S	FEET PER MINUTE FEET PER SECOND FLOOR SINK	V VA VAV	VOLTS VOLT AMPERES VARIABLE AIR VOLUME		NDN-FREEZE CONCEALED DUTLET WALL HYDRANT	
	FEET OF HEAD PRESSURE FINNED TUBE RADIATION	VEL VEC	VARIABLE AIR VOLOME VELOCITY VARIABLE FREQUENCY CONTROLLER	у́н ∠тр	TRAP PRIMER PIPE	 /
A	GAGE	VP VTR	VENT PIPE VENT THRU ROOF	() ()	SPACE TEMPERATURE SENSOR OR THERMOSTAT	
iAL iAL∨	GALLON GALVANIZED	W	WIDTH	Ĥ	SPACE HUMIDITY SENSOR OR HUMIDISTAT	
PH PM	GALLONS PER HOUR GALLONS PER MINUTE	WB WC	WET BULB WATER COLUMN		SPACE CARBON DIOXIDE SENSOR OCCUPANCY SENSOR	
iR	GRILLE	WG W/	WATER GAGE WITH		DUCT OR PIPE MOUNTED TEMPERATURE SENSOR/TRANSMITTE	.R 1/1
ED	HEIGHT HOSE END DRAIN	W/D WPD	WITHDUT WATER PRESSURE DROP		DUCT MOUNTED HUMIDITY SENSOR/TRANSMITTER	<u>_</u>
JRIZ	HORIZONTAL HORSEPOWER				DUCT MOUNTED CARBON DIOXIDE SENSOR/TRANSMITTER	<b>\</b>
⊃. ∕AC	HIGH PRESSURE HEATING, VENTILATING & AIR CONDITIONING				DUCT MOUNTED SMOKE DETECTOR	Ÿ
ł₩ √ √R	HEATING HOT WATER DOMESTIC HOT WATER PIPE DOMESTIC HOT WATER RECIRCULATING PIPE			Ę	FREEZESTAT	-
SA Z	HEATING SUPPLY AIR (DUAL DUCT SYSTEM)				TREEZESTHI	
-					CONTROL DAMPER	—————————————————————————————————————
					STATIC PRESSURE SENSOR/AIR FLOW STATION	<u> </u>
					FAN INLET AIR FLOW MEASURING STATION	
						—Š_
					TWO WAY CONTROL VALVE	
				│ ── 樊──	THREE WAY CONTROL VALVE	
				<u> </u>	FLOW SWITCH	
				_ ▲		→ × ×
					DIFFERENTIAL PRESSURE SWITCH	
						$\rightarrow$
					DIFFERENTIAL PRESSURE TRANSMITTER	
					CURRENT SENSING RELAY	ſ
					MANUAL DVERRIDE SWITCH	

BOUNDARY LINE SANITARY/WASTE PIPE CHEMICAL RESISTANT WASTE PIPE A/C CONDENSATE AND EQUIPMENT DRAIN PIPE VENT PIPE CHEMICAL RESISTANT VENT PIPE STORM WATER PIPE SECONDARY (OVERFLOW) STORM WATER PIPE FOUNDATION DRAIN PIPE SANITARY PUMPED DISCHARGE PIPE STORM WATER PUMPED DISCHARGE PIPE DOMESTIC COLD WATER PIPE DOMESTIC HOT WATER PIPE (TEMP. IF INDICATED) DOMESTIC HOT WATER RECIRCULATING PIPE NON-POTABLE WATER PIPE TREATED WATER PIPE TEMPERED WATER PIPE REVERSE DSMDSIS WATER SUPPLY PIPE REVERSE DSMDSIS WATER RETURN PIPE DEIONIZED WATER SUPPLY PIPE DEIONIZED WATER RETURN PIPE COMPRESSED AIR PIPE NATURAL GAS PIPE VACUUM PIPE NITROGEN GAS PIPE NITROUS DXIDE GAS PIPE DXYGEN GAS PIPE SPECIALTY GAS PIPE FIRE SUPPRESSION AND WET-PIPE SPRINKLER PIPE DRY-PIPE FIRE SUPPRESION PIPE PREACTION FIRE SUPPRESION PIPE CAMPUS CHILLED WATER SUPPLY PIPE CAMPUS CHILLED WATER RETURN PIPE PRIMARY CHILLED WATER SUPPLY PIPE PRIMARY CHILLED WATER RETURN PIPE SECONDARY CHILLED WATER SUPPLY PIPE SECONDARY CHILLED WATER RETURN PIPE PROCESS CHILLED WATER SUPPLY PIPE PROCESS CHILLED WATER RETURN PIPE CHILLED WATER (GLYCOL) SUPPLY PIPE CHILLED WATER (GLYCOL) RETURN PIPE ICE STORAGE CHILLED WATER SUPPLY ICE STORAGE CHILLED WATER RETURN CONDENSER WATER SUPPLY PIPE CONDENSER WATER RETURN PIPE HEATING WATER SUPPLY PIPE ASSOCIATED WITH HEATING WATER PUMP SYSTEM "X" HEATING WATER RETURN PIPE ASSOCIATED WITH HEATING WATER PUMP SYSTEM "X" PRIMARY HEATING WATER SUPPLY PIPE PRIMARY HEATING WATER RETURN PIPE HIGH PRESSURE STEAM PIPE (\_PSIG) HIGH PRESSURE CONDENSATE RETURN PIPE MEDIUM PRESSURE STEAM PIPE (\_PSIG) MEDIUM PRESSURE CONDENSATE RETURN PIPE LOW PRESSURE STEAM PIPE (\_PSIG) LOW PRESSURE CONDENSATE RETURN PIPE HUMIDIFICATION STEAM PIPE PUMPED CONDENSATE RETURN PIPE STEAM VAPOR VENT PIPE REFRIGERANT RELIEF PIPE REFRIGERANT SUCTION PIPE REFRIGERANT LIQUID PIPE HDT GAS REFRIGERANT PIPE FUEL DIL SUPPLY PIPE FUEL DIL RETURN PIPE FUEL DIL OVERFLOW PIPE ENERGY RECOVERY SUPPLY PIPE ENERGY RECOVERY RETURN PIPE DUAL TEMPERATURE SUPPLY DUAL TEMPERATURE RETURN GLYCOL HEATING SUPPLY PIPE GLYCOL HEATING RETURN PIPE GLYCOL FILL PIPE FLOW DIRECTION ARROW PIPE UP PIPE DOWN PIPE/DUCT CAP UNION FLANGED CONNECTION PIPE ANCHOR PIPE GUIDE CONCENTRIC REDUCER ECCENTRIC REDUCER FLEXIBLE CONNECTION (PIPING) SHUTOFF VALVE (IN HORIZONTAL / IN VERTICAL) THROTTLING VALVE MANUAL BALANCING VALVE AUTOMATIC BALANCING VALVE CHECK VALVE (ARROW INDICATES DIRECTION OF FLOW) PRESSURE REDUCING VALVE PRESSURE RELIEF VALVE HOSE END DRAIN PRESSURE GAGE WITH ISOLATION VALVE TEMPERATURE GAGE/THERMOMETER FLOW METER FITTING COMBINATION BALANCING VALVE & FLOW METER FITTING PRESSURE AND TEMPERATURE PLUG AUTEMATIC AIR VENT MANUAL AIR VENT STRAINER WITH VALVE STEAM TRAP FIRE SUPPRESSION INDICATING VALVE W/TAMPER SWITCH FIRE DEPARTMENT VALVE ALARM CHECK VALVE DRY PIPE VALVE DRY PIPE VALVE W/ACCELERATOR PREACTION VALVE DELUGE VALVE WATER MOTOR GONG WATER METER

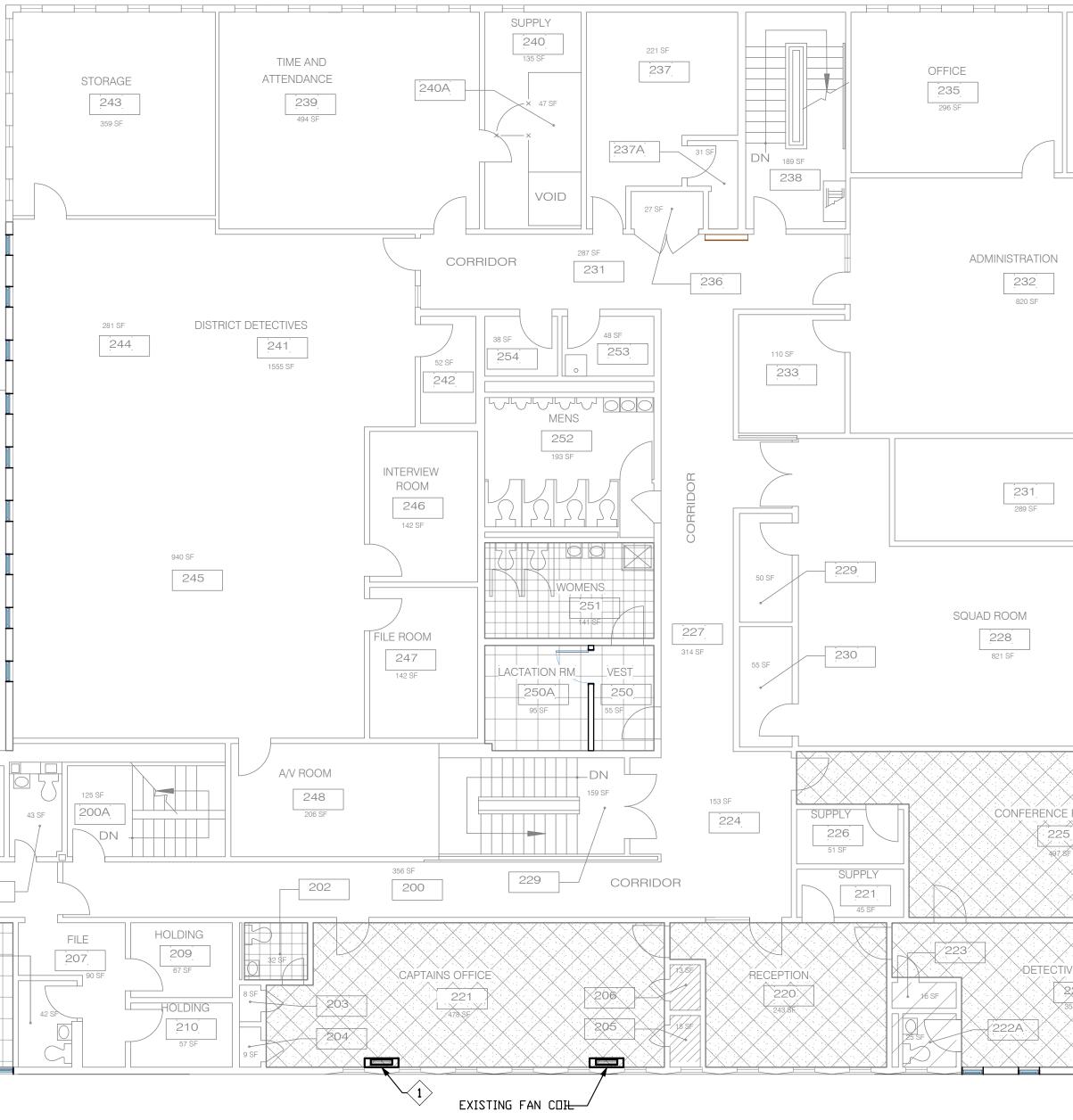






GENERAL NOTES:

- A. REFER T□ DRAWING MOOO F□R SYMB□LS, ABBRE∨IATI□NS AND LEGENDS.
- B. REFER TD DRAWING M004 FDR EQUIPMENT SCHEDULE & DETAILS.
- $\langle \rangle$ <u>DRAWING NOTES:</u> 1. REPLACE EXISTING VERTICAL FAN COIL UNIT & ASSOCIATED THERMOSTAT. CONNECT TO EXISTING CHS / HS SUPPLY & RETURN, & CONDENSATE DRAIN. DN ROOF BELOW ROOF BELOW GANGED MULLED WINDOWGANGED MULLED WINDOWGANGED MULLED WINDOW OFFICE 218 98 SF 166 SF 217 308 SF 216 173 SF 213 219 ROOF BELOW 230 SF 208 215 OFFICE OFFICE 211 182 SF 214 562 SF (A)<u>╞═╾╾╡</u>┣═╾╧<u>╢</u>└╴╶<sup>┶</sup>┣╪═╾╧╣┢═╾╧╢╵╵╴╵<sup>┺</sup>┣╪═╧╝



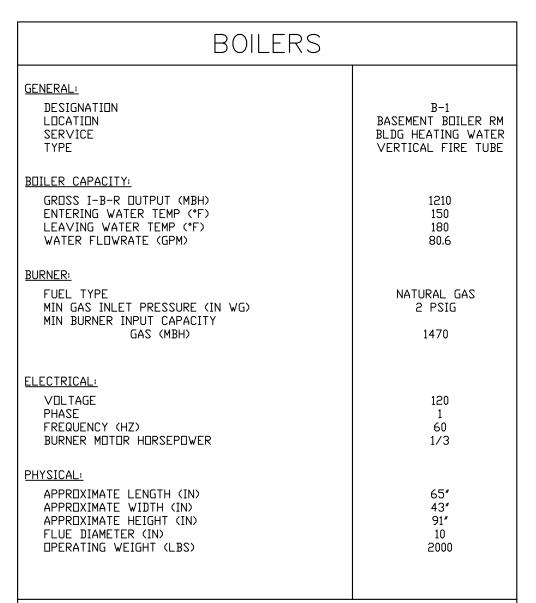
## 2ND FLOOR

SCALE: 1/8" = 1'-0"

0 4' 8' 1

	DD 100% DRAWINGS 04/29/2022
OFFICE 234 209 SF	PROJECT NAME: DCAM MPD3 1620 V ST, NW WASHINGTON DC 20009
	CLIENT: DEPARTMENT OF GENERAL SERVICES 1250 U STREET NW 4TH FLOOR WASHINGTON DC 20009
	CONSULTANTS: <b>EXEC</b> <b>EXEMPTION SUITE STATE</b> 8850 COLUMBIA 100 PARKWAY. SUITE 316 COLUMBIA MD 21045 0: 443-393-1070 www.kkedesign.com.com
	A R C H I T E C T U R E
	1350 CONNECTICUT AVE , SUITE 501 WASHINGTON, DC 20036 PHONE: 202-470-5570 FAX:202-318-8684 www.emotivearch.com NO. ISSUE/ REVISED DATE
	JOB # #PIn
1 D	MECHANICAL SECOND FLOOR PLAN
"I AM RESPONSIBLE FOR DETERMINING THAT THE ENGINEERING DESIGNS INCLUDED IN THIS APPLICATION ARE IN COMPLIANCE WITH ALL LAWS AND REGULATIONS OF THE DISTRICT OF COLUMBIA. I HAVE PERSONALLY PREPARED, OR DIRECTLY SUPERVISED THE DEVELOPMENT OF, THE ENGINEERING DESIGNS INCLUDED IN THIS APPLICATION."	refer to drawing M003

							PUMPS						
DESIG	TYPE (SEE SPEC)	LOCATION	SERVICE	FLUID FLOWRATE (GPM)	HEAD (FT HD)	APPREXIMATE IMPELLER DIAMETER (IN)	SUCTION X DISCHARGE (IN)	MIN PUMP EFF. (%)	SPEED (RPM)	BHP / Motor HP	VOLTS/PH/HZ	ARMSTRONG / MODEL	REMARKS
HWP-1 & 2	ES	BOILER RM	HEATING WATER	90	50	6.9	3×1.5	64.0	1800	2.5 / 3	208/3/60	4030 3X1.5X8	STAND-BY
<u>NDTES</u> 1. TYPE		= BASE-MOU	NTED END SUCTI⊡N, ∨S	C = VERTICA	AL SPLIT CA	SE, IL = IN-LINE	PUMP, C = COMP	ACT INLINE F	PUMP				

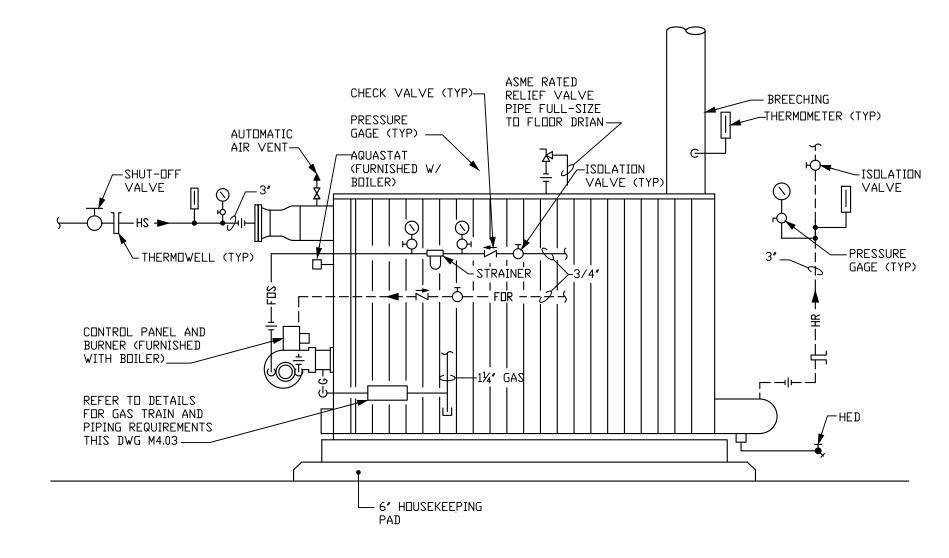


								F A	N	С	0 I	L	U ]	NI	Т	S (	C H E	D U	L E							
						COOLI	NG CAPA	ACITY				HE	ATING C	CAPACIT	Y		ME	TOR				FILT	ER			
UNIT	CFM	EXT. S.P.	MI	3H	GPM	E.W.T.	L.W.T.	PD,	ENT.	AIR	MBH	GPM	E.W.T.	L.W.T.	PD.	VOLTS			PS NE	HP		AREA	THICK	PIPE RUNDUT	BASIS DF DESIGN	TYPE
DESIGN		IN "	TOTAL	SENS.	GPM	۴F	۴F	FT,	DB °F	WB °F	MDU	GPM	۴	۴F	FT.		PHASE SPE		-3 NL	" (EA.)		FT <sup>2</sup>	IN.	SIZE	" TRANE "	
FCU-X	400	0.1	12	8.6	2.2	44	52	-	75	64	33	2.2	180	150	_	120	1 -	0.8	3 –	0.13	-	-	_	_	FCB040	-

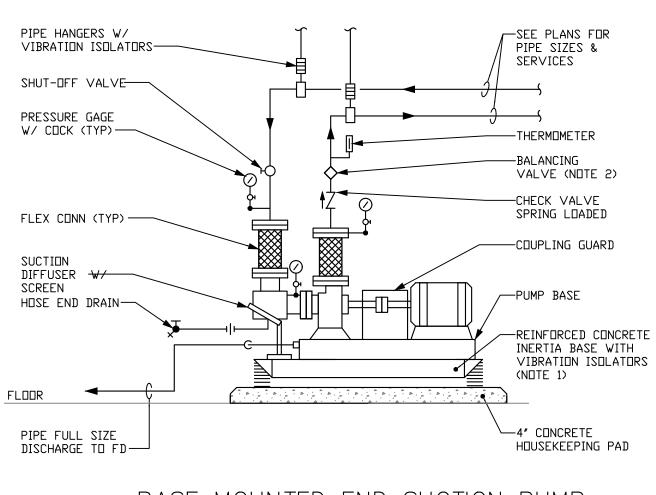
<u>NDTES:</u>

PERFORMANCE IS BASED ON 100% WATER (NO GLYCOL). . LENGTH OF BOILER INCLUDES BURNER.

B. BASIS OF DESIGN SHALL BE PRECISION MODEL FPH-39-35



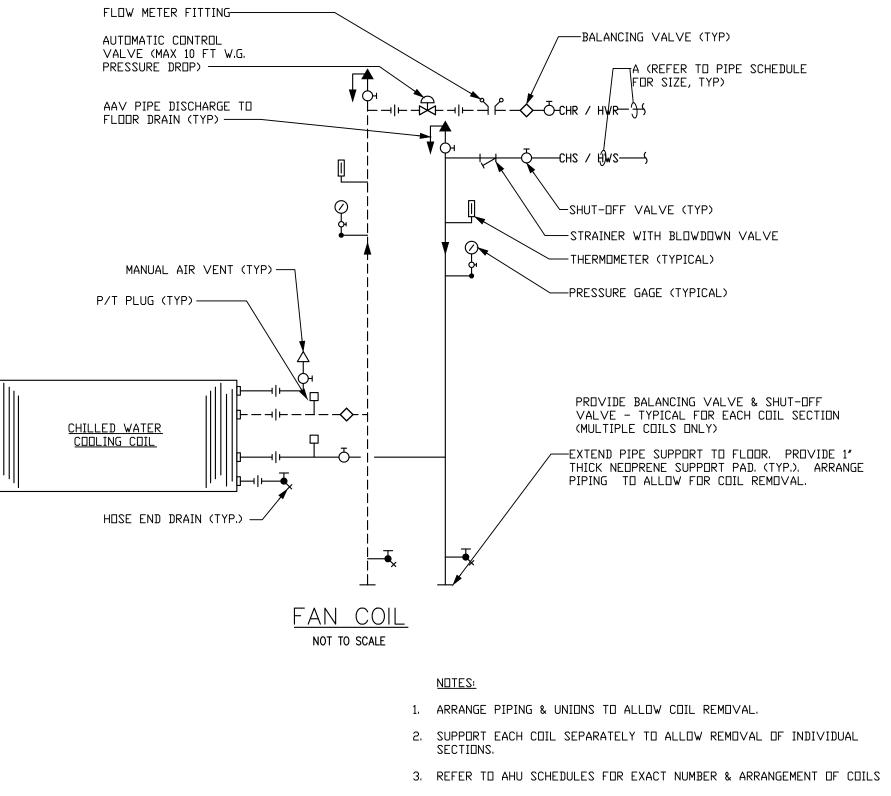
BOILER NOT TO SCALE



BASE MOUNTED END SUCTION PUMP NOT TO SCALE

NDTES:

- 1. INERTIA BASE SHALL BE OF SUFFICIENT LENGTH TO SUPPORT PUMP & SUCTION DIFFUSER. SUCTION DIFFUSER SUPPORTED FROM FLOOR OR HOUSEKEEPING PAD IS NDT ACCEPTABLE.
- 2. ON PUMPS WITH VARIABLE FREQUENCY CONTROLLERS, PROVIDE SHUT-OFF VALVE IN LIEU DF BALANCING ∨AL∨E.



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REGULATIONS OF THE DISTRICT OF COLUMBIA. I HAVE PERSONALLY PREPARED,
OR DIRECTLY SUPERVISED THE DEVELOPMENT OF, THE ENGINEERING DESIGNS
INCLUDED IN THIS APPLICATION."



5. PROVIDE 20 GAUGE STAINLESS STEEL DRAIN PAN UNDER EACH COIL BANK. DRAIN PAN SHALL EXTEND 6" DOWNSTREAM OF COILS. PROVIDE 3/4" STAINLESS STEEL DOWNSPOUT FROM TOP PAN TO BOTTOM P4

4. MULTIPLE COILS SHOWN, SINGLE COIL SIMILAR.

2. SUPPORT EACH COIL SEPARATELY TO ALLOW REMOVAL OF INDIVIDUAL

1. ARRANGE PIPING & UNIONS TO ALLOW COIL REMOVAL.

PIPING TO ALLOW FOR COIL REMOVAL.

PROVIDE BALANCING VALVE & SHUT-DFF VALVE - TYPICAL FOR EACH COIL SECTION (MULTIPLE COILS ONLY) -EXTEND PIPE SUPPORT TO FLOOR, PROVIDE 1"

THICK NEOPRENE SUPPORT PAD. (TYP.). ARRANGE

SHUT-DFF VALVE (TYP) STRAINER WITH BLOWDOWN VALVE -THERMOMETER (TYPICAL)

—Ò——CHS / ŀĴ₩S——Ś

FOR SIZE, TYP)

DD 100% DRAWINGS 04/29/2022 ROJECT NAME: MPD3 DCAM 1620 V ST, NW WASHINGTON DC 20009 LIENT: DEPARTMENT OF GENERAL SERVICES 1250 U STREET NW 4TH FLOOR WASHINGTON DC 20009 CONSULTANTS: ЖЕ KK ENGINEERING, LLC 8850 COLUMBIA 100 PARKWAY. SUITE 316 COLUMBIA MD 21045 *O*: 443-393-1070 www.kkedesign.com.com emotive R C H I I E C I U R E 1350 CONNECTICUT AVE , SUITE 501 WASHINGTON, DC 20036 JNE: 202-470-5570 FAX:202-318-8684 www.emotivearch.com PHONE: ISSUE/ REVISED | DATE JOB # #PIn MECHANICAL SCHEDULES & DETAILS REFER TO DRAWING

M004

	ELECTRICAL LEGEND
	- BRANCH CIRCUIT HOME RUN; ARROWHEADS INDICATE NUMBER
	- SHORT CROSSHATCH LINE INDICATE PHASE CONDUCTOR
	(#12 UNLESS DTHERWISE NDTED) — LONG CROSSHATCH LINE INDICATES NEUTRAL CONDUCTOR
	(#12 UNLESS DTHERWISE NDTED) —LONG CRDSSHATCH LINE WITH DDT AT THE END INDICATES
	GROUNDING CONDUCTOR (#12 UNLESS OTHERWISE NOTED) CIRCUIT WITHOUT CROSSHATCH LINES INDICATES 3#12
	IN 3/4″ C — "E" INDICATES EMERGENCY CIRCUIT WITH 3#10 IN 3/4″ C
$\frown$	CONDUIT RUN CONCEALED IN WALL OR CEILING IN FINISHED AREAS, EXPOSED IN UNFINISHED AREAS (3#12 IN $\frac{3}{4}$ C UNLESS OTHERWISE
	NDTED)
	CONDUIT UNDERGROUND OR CONCEALED IN SLAB (3#12 IN ¾" C UNLESS OTHERWISE NOTED)
—0	CONDUIT UP
<b>—</b> •	CONDUIT DOWN
	HEAVY LINE WEIGHT DESIGNATES NEW WORK ON NEW WORK PLANS, REMOVAL WORK ON DEMOLITION PLANS.
	LIGHT LINE WEIGHT DESIGNATES EXISTING WORK TO REMAIN.
\$ <sub>××</sub>	SINGLE POLE SWITCH MOUNTED 48" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED SUBSCRIPTS AS FOLLOWS:
	3 - THREE WAY SWITCH 4 - FOUR WAY SWITCH
	D – DIMMER SWITCH P – SWITCH WITH PILOT LIGHT
	K - KEY-OPERATED SWITCH T - TIME SWITCH WP - SWITCH WITH WEATHERPROOF CO∨ER
	DS - DCCUPANCY SENSDR α - LDWER CASE LETTER INDICATES SWITCH LEG
$\Phi \Phi_{xx}^{xx}$	DUPLEX RECEPTACLE MOUNTED 18″ ABO∨E FINISHED FLOOR, HUBBEL , TYPE5362. UNLESS OTHERWISE NOTED
	SUBSCRIPTS AS FOLLOWS: E - CONNECTED TO EMERGENCY CIRCUIT
	GFI – GRDUND FAULT CIRCUIT INTERRUPTER TYPE IG – ISDLATED GRDUND WC – WATER CDDLER
	WC – WATER CODLER WP – WEATHERPROOF 84″ – MOUNTING HEIGHT AS INDICATED
ж	POS - POINT OF SALE, ON STANDBY POWER S - SINGLE PLEX RECEPTACLE
<b>∲</b>	DUPLEX RECEPTACLE MOUNTED IN CEILING QUAD RECEPTACLE
$\overline{\mathbb{Q}}$	DUPLEX RECEPTACLE (FLOORBOX)
<b>•</b> H	SPECIAL DUTLET- COORDINATE DUTLET CONFIGURATION AND REQUIREMENTS WITH EQUIPMENT MANUFACTURER. SEE DRAWINGS FOR NEMA CONFIGURATION
	120/208 V, SINGLE PHASE RECEPTACLE (FLOORBOX)
•	120/208 ∨, SINGLE PHASE RECEPTACLE MOUNTED IN CEILING
0	SINGLE RECEPTACLE MOUNTED IN CEILING
$\bigtriangledown$	DATA DUTLET MDUNTED 18″ ABOVE FINISHED FLODR, UNLESS DTHERWISE NOTED VDICE DUTLET MDUNTED 18″ ABOVE FINISHED FLODR UNLESS DTHERWISE NOTED
$\mathbf{V}$	VOICE/DATA OUTLET MOUNTED 18" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED
	FLOOR BOX WITH DUPLEX AND TEL/DATA
Ū,	HEAVY DUTY 3M POLE DISCONNECT SWITCH W/FUSETRONS SIZED AS NOTED DR AT 125% DF MOTOR NAMEPLATE RATING SWITCH SIZE AS NOTED.
	FUSED DISCONNECT SWITCH
	208/120V PANELBOARD (ALL NEW PANELS SHALL MATCH EX. BUILDING STANDARD FI PANELS. THE BASE BUILDING STANDARD IS SQUARE-D)
	460/265V PANELBOARD (ALL NEW PANELS SHALL MATCH EX. BUILDING STANDARD F PANELS, THE BASE BUILDING STANDARD IS SQUARE-D)
/M/	JUNCTION BOX MOTOR CONNECTION
	PUSHBUTTON
← 20 ←	REMOTE TEST SWITCH DCCUPANCY SENSOR, CEILING MOUNTED - ARROWS INDICATE DIRECTION OF SENSOR BEAM AIMING
PP	POWER PACK CEILING MOUNTED SMOKE DETECTOR
	DUCT SMOKE DETECTOR
P	MANUAL PULL STATION MOUNTED 48" ABOVE FINISHED FLOOR
$\square \!$	AUDIBLE DEVICE MOUNTED 6″ BELOW CEILING DR 90″ ABOVE FINISHED FLOOR, WHICHEVER I LOWER
¤	STROBE LIGHT MTD 6″ BELOW CEILING OR 80″ ABOVE FINISHED FLOOR, WHICHEVER IS LOWER (SUBSCRIPTED NUMBER INDICATES MINIMUM LUMINOUS INTENSITY OF STROBE LIGHT IN CANDEL
60 ସ	COMBINATION AUDIBLE DE∨ICE AND STROBE LIGHT MOUNTED 6″ BELOW CEILING OR 80″ ABO∨E FINISHED FLOOR, WHICHE∨ER IS LOWER (SUBSCRIPTED NUMBER INDICATES MINIMUM LUMINOUS
	INTENSITY OF STROBE LIGHT IN CANDELAS) FLOW SWITCH CONNECTION
Xo ~~	
ŀ∑ PC	VALVE WITH TAMPER SWITCH CONNECTION PHOTOELECTRIC CONTROL SWITCH
	TIME CLOCK
MS DD	MOTION SENSOR CONTROL OCCUPANCY SENSOR CONTROL
PP	POWER PACK
C FAAP	CONTACTOR FIRE ALARM ANNUNCIATOR PANEL
$\bigotimes$	EXIT LIGHT
	EMERGENCY LIGHT

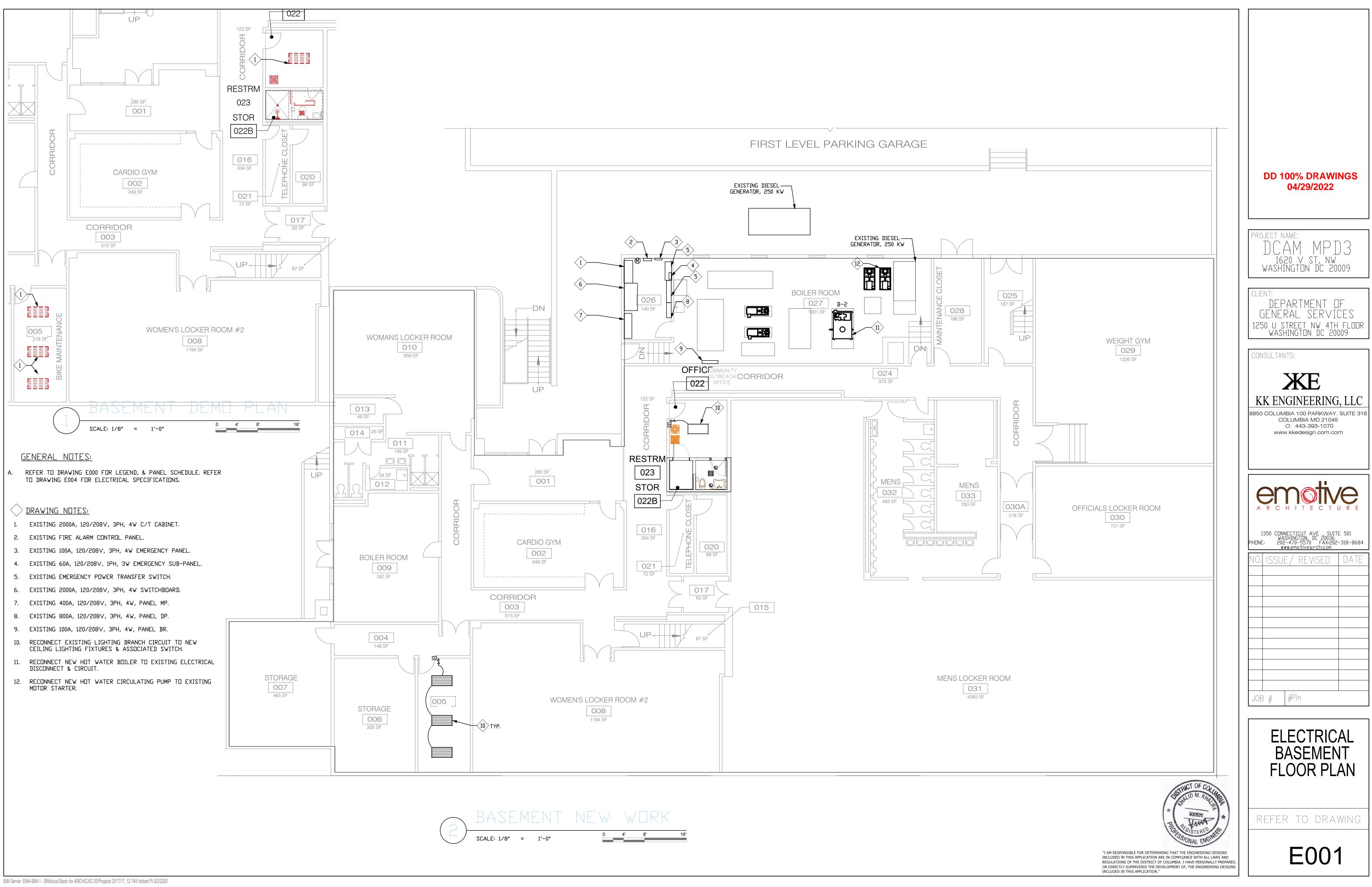
LIGHTING FIXTURE SCHEDULE									
SYMBOL/DESIG.	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	MOUNTING	REMARKS		
	SURFACE MOUNTED 2X4LED	LITHONIA		39 W	120	CEILING			
	SURFACE WALL MOUNTED EMERGENCY LIGHTING FIXTURE	LITHONIA	QUANTUM ELM2 SERIES	INTEGRAL	120	SURFACE	W/90 MIN INTEGRAL BATTERY & CHARGER		
⊗ <sub>x</sub>	EXIT LIGHTING FIXTURE	LITHONIA	QUANTUM SERIES QM EL	INTEGRAL	120	WALL/ CEILING	WITH INTEGRAL BATTERY AND CHARGER		
1. ALL LIGHTING FIXTURES TO BE APPROVED BY THE ARCH./ CUA PRIOR TO ORDERING AND INSTALLING. 2. ARCHITECT TO SELECT COLOR OF LIGHTING FIXTURES 3. REFER TO ARCHITECTURAL REFLECTED CEILING AND ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS. 4. LISTED FOR INSTALLATION IN RATED FLOOR-CEILING ASSEMBLIES 5. INTERNALLY ILLUMINATED EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER SIDE.									

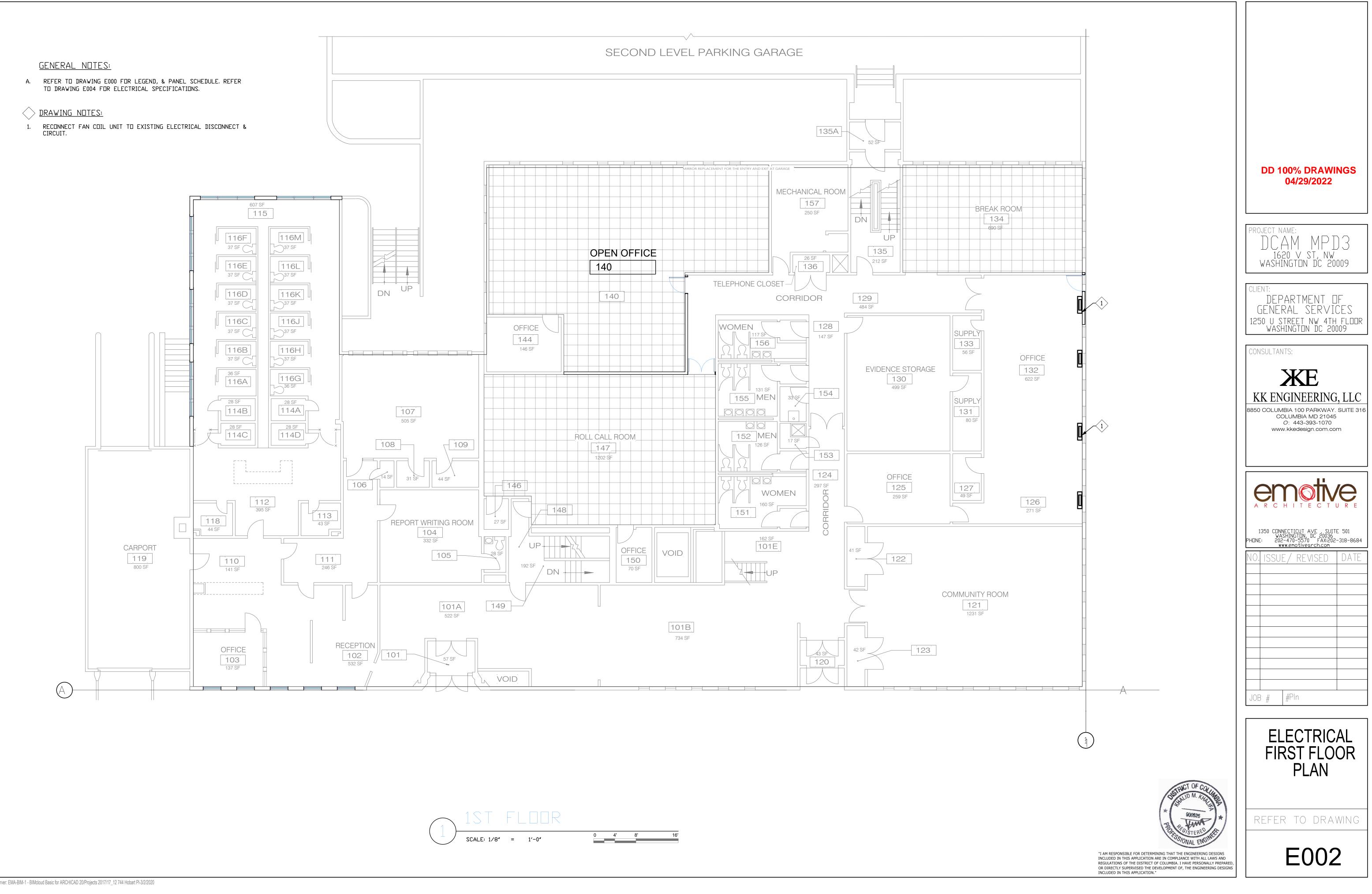






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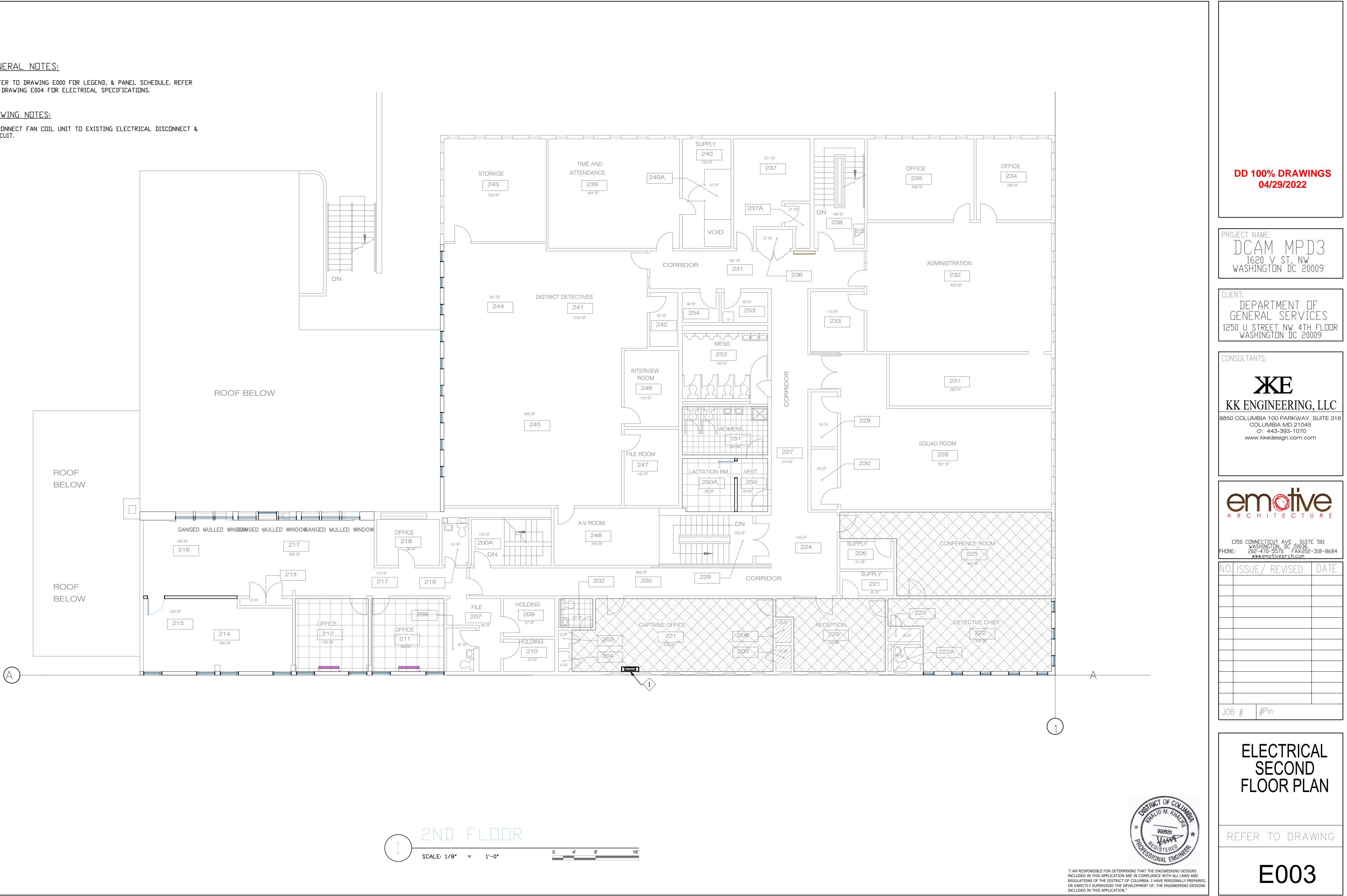


## <u>GENERAL NOTES:</u>

A. REFER TO DRAWING E000 FOR LEGEND, & PANEL SCHEDULE, REFER TO DRAWING E004 FOR ELECTRICAL SPECIFICATIONS.

> <u>DRAWING NOTES:</u>

RECONNECT FAN COIL UNIT TO EXISTING ELECTRICAL DISCONNECT & 1. CIRCUIT.





ELECTRICAL GENERAL PROVISIONS

- 1. THE PROVISIONS OF THE INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS, ALTERNATES, ADDENDAS AND DIVISION I ARE A PART OF THIS SPECIFICATION. ELECTRICAL ARCHITECTURAL, MECHANICAL AND ALL OTHER DRAWINGS AS WELL AS THE SPECIFICATIONS FOR ALL THE DIVISIONS ARE A PART OF THE CONTRACT DOCUMENTS.
- 2. VISIT THE SITE OF THE WORK AND BECOME FAMILIAR WITH THE CONDITIONS AFFECTINGTHE INSTALLATION, SUBMISSION OF A PROPOSAL SHALL PRESUPPOSE KNOWLEDGE OF SUCH CONDITIONS ANDNO ADDITIONAL COMPENSATION SHALL BE ALLOWED WHERE EXTRA LABOR OR MATERIALS ARE REQUIRED BECAUSE OF IGNORANCE OF THESE CONDITIONS.
- 3. DEFINITIONS: A. "CONTRACTOR" AS USED WITHIN THE CONTEXT OF THE ELECTRICAL CONTRACT DOCUMENTS SHALL EXPLICITLY REFER TO THE "ELECTRICAL CONTRACTOR".
- B. THE TERM "FURNISH" SHALL MEAN TO SUPPLY AND DELIVERY TO THE PROJECT SITE, READY FOR UNLDADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS C. THE TERM "INSTALL" SHALL MEAN WORK WHICH INCLUDES THE ACTUAL UNLOADING, UNPACKING,
- ASSEMBLY, ERECTING PLACING ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTINS, CLEANING, AND SIMILAR OPERATIONS. D. THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE
- INTENDED USE. 4. INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, SERVICES AND PERMITS NECESSARY FOR THEPROPER COMPLETION OF ALL ELECTRICAL WORK SHOWN. ITEMS OMITTED, BUT NECESSARY, TO MAKE THE
- ELECTRICAL SYSTEM COMPLETE AND WORKABLE SHALL BE UNDERSTODD TO FORM PART OF THE WORK 5. IT IS THE PURPOSE OF THE ELECTRICAL DRAWINGS TO INDICATE THE APPROXIMATE LOCATION OF ALL EQUIPMENT, DUTLETS, ETC. ASCERTAIN EXACT LOCATIONS AND ARRANGE WORK ACCORDINGLY. THE RIGHT IS RESERVED TO EFFECT REASONABLE CHANGES IN THE LOCATION OF OUTLETS UP TO THE TIME OF
- ROUGHING-IN, WITHOUT ADDITIONAL COST TO THE OWNER. 6. TEMPERATURE AND INTERLOCK CONTROLS ARE PROVIDED AND WIRED BY A CONTROLS CONTRACTOR. LINE (120 VOLT) VOLTAGE CONTROL DEVICES, SUCH AS THERMOSTATS AND AQUASTATS, WHICH CONTROL FRACTIONAL HORSEPOWER, 120 VOLT MOTORS ARE FURNISHED BY MECHANICAL CONTRACTOR, AND ARE WIRED BY ELECTRICAL CONTRACTOR.
- 7. SECURE AND PAY FOR PERMITS AND INSPECTIONS REQUIRED FOR THE ELECTRICAL WORK
- 8. WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE PROVISIOINS OF LOCAL AND STATE CODES, AS WELL AS THE LATEST ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, AS INTERPRETED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- 9. CONSULT THE DRAWINGS, PRODUCT DATA AND SHOP DRAWINGS COVERING THE WORK FOR VARIOUS OTHER TRADES, THE FIELD LAYDUTS OF THE CONTRACTORS FOR THE TRADE AND MAKE ADJUSTMENTS ACCORDINGLY IN LAYING OUT THE ELECTRICAL WORK.
- 10. WARRANT THAT EQUIPMENT AND ALL WORK IS INSTALLED IN ACCORDANCE WITH GOOD ENGINEERING PRACTICE AND THAT ALL EQUIPMENT WILLMEET THE REQUIREMENTS SPECIFIED. GUARANTEE AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS, REPAIR OR REPLACE ANY DEFECTIVE WORK, MATERIAL OR EQUIPMENT WITHIN ONE YEAR FROM DATE OF ACCEPTANCE.
- 11. THE EXISTING ELECTRICAL AND TELEPHONE SERVICE, AND ALL EXISTING COMMUNICATION SYSTEMS WITHIN THE BUILDING SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. ANY SERVICE SHUTDOWNS THAT MAY BE REQUIRED SHALL BE SCHEDULED THROUGH THE OWNER AND SHALL BE DONE AT A TIME AS DIRECTED BY THE OWNER. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THESE SHUTDOWN PERIODS EVEN THOUGH PREMIUM-TIME WORK MAY BE REQUIRED. PROVIDE TEMPORARY SERVICE TO EQUIPMENT OR SYSTEMS THAT CANNOT BE SHUTDOWN, AS DETERMINED BY OWNER. 12. PROVIDE A MINIMUM OF ONE WEEK'S NOTICE TO THE OWNER BEFORE ANY SERVICE SHUTDOWN IS
- SCHEDULED. 13. BIDS SHALL BE BASED UPON THE SPECIFIED PRODUCTS OR LISTED ALTERNATIVES. THE DRAWINGS AND SPECIFICATIONS ARE BASED ON THE PRODUCTS SPECIFIED BY TYPE, MODEL, AND SIZE AND THUS ESTABLISH MINIMUM QUALITIES WHICH SUBSTITUTES MUST MEET TO QUALIFY FOR REVIEW. WHERE ONLY DNE MAKE IS NAMED, IT SHALL BE PROVIDED. VERBAL REQUESTS DR APPROVALS SHALL NOT BE BINDING ON THE ARCHITECT, ENGINEER OR OWNER. SHOULD THE CONTRACTOR PROPSE TO FURNISH MATERIALS AND EQUIPMENT OTHER THAN THOSE SPECIFIED, HE SHALL SUBMIT A WRITTEN REQUEST FOR SUBSTITUTIONS TO THE ARCHITECT AT THE BID OPENING. INDICATE ANY ADDITIONS FOR DEDUCTIONS TO THE CONTRACT PRICE ON THE BID FORM. EQUIPMENT AND MATERIALS USED ON THIS PROJECT SHALL BE NEW AND U.I. LABELED FOR THE
- APPLICATION. 14. THE CONTRACTOR SHALL KEEP ONE COMPLETE SET OF THE CONTRACT WORKING DRAWINGS ON THE PROJECT SITE ON WHICH HE SHALL RECORD ANY DEVIATIONS OR CHANGES FROM SUCH CONTRACT DRAWINGS MADE DURING CONSTRUCTION. AFTER THE PROJECT IS COMPLETED, RECORD SETS OF DRAWINGS SHALL BE DELIVERED TO THE ARCHITECT IN GOD CONDITION, AS A PERMANENT RECORD OF THE INSALLATION AS CONSTRUCTED.
- 15, PROVIDE NAMEPLATES ON PANEL BOARDS, DISTRIBUTION EQUIPMENT, SAFETY SWITCHES, MOTOR STARTER JUNCTION BOXES AND CONTROL DEVICES. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, LETTERING SHALL INCLUDE THE NAME OR DESIGNATION OF EQUIPMENT, HORSEPOWER, VOLTAGE RATING AND SERVICE DESIGNATION. NAMEPLATES SHALL BE LAMINATED PHENOLIC WITH A BLACK SURFACE AND WHITE CORE. IDENTIFICATION WITH A DYMO TYPE INSTRUMENT IS NOT PERMISSIBLE. THE INSIDE COVER OF ALL RECEPTACLE DUTLET PLATES SHALL BE PERMANENTLY MARKED TO INDICATE THE PANEL AND CIRCUIT NUMBER OF THE DULET. THE INSIDE COVER OF ALL BLANK PLATES FOR JUNCTION BOXES INSTALLED SHALL BE PERMANENTLY MARKED TO INDICATE THE SYSTEM. IDENIFICATION OF BRANCH CIRCUITS SHALL BE TYPEWRITTEN ON DIRECTORY CARDS FURNISHED WITH ALL PANELS AND PLACED IN THE CARD HOLDER ON THE DOOR, PROVIDE NEW TYPEWRITTEN DIRECTORY CARDS WITH UPDATED SCHEDULES FOR ALL EXISTING PANELS WITH NEW OR MODIFIED CIRCUITS.
- 16. AFTER INSTALLATION, TEST FOR GROUNDS, SHORTS CIRCUITS AND PROPER FUNCTION OF EACH SYSTEM AND RELATED WIRING, FAULTS IN THE INSTALLATION SHALL BE CORRECTED. 17. INSULATION RESISTANCE TESTS SHALL BE MADE ON THE ELECTRICAL SYSTEM WITH AN APPROVED
- MEGOHMMETER 18. A GROUND CONTINUITY TEST SHALL BE MADE ON THE ENTIRE GROUNDING SYSTEM FROM THE SERVICE TO EVERY DUTLET.
- 19. AFTER ALL TESTS AND ADJUSTMENT HAVE BEEN COMPLETED, CLEAN ALL EQUIPMENT LEAVING EVERYTHING IN WORKING ORDER AT THE COMPLETION OF THIS WORK. CLEAN LIGHTING FIXTURES, DUTLETS BOX PLATES, PANEL AND CABINET INTERIORS AND EXTERIORS, ETC., OF DIRT, DUST, DEBRIS, AND PAINT, AFTER ALL OTHER TRADES HAVE COMPLETED THEIR WORK.
- 20. PROVIDE A TEMPORARY ELECTRICAL SERVICE ADEQUATE IN SIZE FOR HEATING, FOR THE USE OF ALL TRADES AND FOR THE LIGHTINGOF EACH ROOM DURING CONSTRUCTION, TEMPORARY WIRING SHALL BE TO DSHA REQUIREMENTS, TEMPORARY SERVICE CAN BE EXTENDED FROM THE DWNER'S EXISTING POWER DISTRIBUTION SYSTEM. THE OWNER MUST APPROVE OF THE POINT OF SUPPLY, THE METHOD OF EXTENSION AND THE ROUTING OF NECESSARYTEMPORARY FEEDERS. PROVIDE A TEMPORARY TELEPHONE SERVICE FOR THE USE OF ALL TRADES DURING CONSTRUCTION.
- 21. DO ALL CUTTINGAND PATCHING IN EXISTING CONSTRUCTION AS NECESSARY FOR INSTALLATION OF THIS WORK, HAVE CUTTING DONE BY SKILLED MECHANICS AS CAREFULLY AS POSSIBLE AND WHICH AS LITTLE DAMAGE AS POSSIBILE.
- 22. DEMOLITION OF EXISTING ELECTRICAL EQUIPMENT MAY BE A PART OF THE ELECTRICAL WORK, REFER TO THE DRAWINGS FOR EXACT REQUIREMENTS 23. CONTRACTOR TO DETERMINE IF ANY STRUCTURAL ELEMENTS SUCH AS REBAR OR POST TENSION CABLES
- EXIST IN FLOORS, WALLS OR ROOFS BY INSPECTION COORDINATED WITH THE LANDLORDS TENANT COORDINATOR OR STRUCTURAL ENGINEER AND BY USE OF X-RAY WHEN REQUIRED PRIOR TO ANY CUTTING OR CORE DRILLING IF SUCH ELEMENTS EXIST, REPORT THIS IMMEDIATELY TO THE ARCHITECT AND LANDLORD'S TENANT COORDINATOR FOR RESOLUTION PRIOR TO CUTTING OR DRILLING

- BASIC MATERIALS AND METHODS
- 2.RACEWAYS, A. CONDUIT SHALL BE HEAVY WALL GALVANIZED STEEL OR INTERMEDIATE GRADE STEEL IN EXTERIOR MASONRY WALLS, IN MASONRY WALLS BELOW GRADE, IN CRAWL SPACES, IN THE GROUND, IN CONCRETE FLOORS, WALLS OR SLABS AND IN DAMP OR WET LOCATIONS. EXPOSED CONDUITS IN HIGIH TRAFFIC AREAS WHERE COONDUITS ARE SUBJECT TO PHYSICAL ABUSE SHALL BE HEAVY WALL RIGID GALVANIZED STEEL TO A LEVEL OF 8 FEET ABOVE THE FINISHED FLOOR. ALL OTHER INTERIOR CONDUITS SHALL BE ELECTRICAL METALLIC TUBING (EMT), UNLESS OTHERWISE NOTED ON THE DRAWINGS DR WITHIN THESE SPECIFICATIONS. CONDULTS SHALL BE 1/2" TRADE SIZE MINIMUM UNLESS DTHERWISE NOTED ON THE DRAWINGS OR WITHIN THESE SPECIFICATIONS
- B.FLEXIBILE METAL CONDUIT SHALL BE USED FROM DUTLET BOXES TO RECESSED LIGHTING FIXTURES 6 FT. IN LENGTH. INSTALLATION OF MANUFCTURED WIRING SYSTEMS SHALL COMPLY WITH ARTICLE 604 OF THE NATIOINAL ELECTRICAL CODE. ALL BRANCH CIRCUIT HOMERUN CONDUITS WITHIN THE CEILING SPACE COMPLETE TO THE PANELBOARDS SHALL BE EMT CONDUIT. FLEXIBLE CONDUIT MAY NOT BE UTILIZED TO WIRE FIXTURES, OUTLETS, ETC IN A DAZY CHAIN FASHION.
- C.CONDUIT CONNECTIONS TO MOTORS SHALL BE FLEXIBLE METAL CONDUIT "SEAL-TITE" TYPE "UA" AS MANUFACTURED BY THE AMERICAN BRASS COMPANY OR EQUIVALENT AND SHALL BE OF THE SAME SIZE AS THE FEEDER CONDUIT. D. CONDUIT CONNECTIONS TO UNDERCABINET TYPE LIGHTING FIXTURES SHALL BE 3/8" FLEXIBLE METAL CONDUIT OR MC TYPE CABLE FROM THE WALL DUTLET BOX TO THE FIXTURE HOUSING
- 3. WIRING DE∨ICES, A.LOCAL LIGHT SWITCHES SHALL BE 20 AMPERE, 120/277 VOLTS, AC SPECIFICATION GRADE, WITH GROUNDING TERMINAL, AS MANUFACTURED BY HUBBELL, DR EQUIVALENT #CS-122 SERIES. B.FLUDRESCENT DIMMERS SHALL BE LUTRON "NOVA T-STAR" SERIES #NTF-LD FOR 120 VOLT, #NTF-40-277 FOR 277
- VOLT. 3-WAY, 2 LOCATION FLUORESCENT DIMMERS SHALL BE LUTRON "NOVA T-STAR" SERIES " #NTF-LO3P FOR 120 VOLT, #NTF-LO3P-277 VOLT. C.INCANDESCENT DIMMERS SHALL BE LUTRON "NOVA T-STAR" LINEAR SLIDE SERIES - FOR UP TO 1500 WATT DIMMERS
- AND LUTRON "NOVA" LINEAR SLIDE SERIES FIR 2000 WATT DIMMERS. D. DUPLEX RECEPTACLES SHALL BE 20A, 125V, 2 POLE, 3 WIRE GROUNDING. GENERAL PURPOSE "SPECIFICATION GRADE" DUPLEX RECEPTACLES : HUBBELL #CR5352 IG - DRANGE. HDSPITAL GRADE DUPLEX RECEPTACLES: HUBBELL #83DDH.
- TAMPER RESISTANT "SAFETY TYPE" DUPLEX RECEPTACLES, HUBBELL #HBL83DDSG E. DUPLEX RECEPTACLES WHERE INDICATED ON THE DRAWINGS OR WHERE REQUIRED BY CODE, SHALL HAVEAN INTEGRAL GROUND FAULT PROTECTOR AND SHALL BE 20A,125V, 2 POLE, 3 WIRE GROUNDING, HUBBELL #GFR5352. GROUND FAULT RECEPTACLES SHALL NOT BE THRU-WIRED. PROVIDE INDIVIDUAL DUPLEX RECEPTACLES AS SHOWEN ON THE DRAWINGS.
- HDSPITAL GRADE GROUND FAULT DUPLEX RECEPTACLES: HUBBELL #HGF8300 F.ALL SWITCHES, DIMMERS, AND RECEPTACLES SHALL BE WHITE UNLESS OTHERWISE INDICATED WITHIN THESE SPECIFICATIONS. VERIFY COLOR WITH THE ARCHITECT PRIOR TO PROCUREMENT OF THE DEVICES. ALL COVERPLATES SHALL BE SMOOTH HIGH IMPACT THERMOPLASTIC FINISH WITH COLOR TO MATCH THE DEVICES. EMERGENCY RECEPTACLES AND SWITCHES SHALL BE RED, WITH COVERPLATES TO MATCH THE FINISH OF THE OTHER COVERPLATES PROVIDED IN THE AREA. IN UNFINISHED AREA, USE CADMIUM PLATED, ROUND CORNER, STEEL COVERPLATES FOR SURFACE MOUNTED DUTLET BOXES. BOTH THE WIRING DEVICES AND THE COVERPLATES SHALL BE BY THE SAME MANUFACTURER.
- G.MANUAL MOTOR STARTER SHALL BE WESTINGHOUSE TYPE "MS" SERIES OR EQUIVALENT, WITH PILOT LIGHT, OVERLOADS AND DN/DFF SWITCH, FLUSH MOUNTED IN FINISHED AREAS. MANUAL MOTOR STARTERS SHALL BE MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, ITE DR ALLEN BRADLEY. H. THE FOLLOWING ARE EQUIVALENT WIRING DEVICES,
- RECEPTACLES: #5362 SERIES MANUFACTURED BY PASS AND SEYMOUR OR LEVITON.
- 2.LIGHT SWITCHES, PASS AND SEYMOUR #20ACI SERIES OR LEVITION #I221 3. DIMMERS: NO OTHER MANUFACTURERS ARE ACCEPTABLE
- 4. WIRE AND CABLE FOR BRANCH CIRCUITS AND FOR FEEDERS SHALL BE 600 VOLT, TYPE THHN/THWN COPPER ONLY, UNLESS DTHERWISE INDICATED ON THE DRAWINGS MINIMUM SIZE FOR POWER AND LIGHTING BRANCH CIRCUITS SHALL BE #12 5. SAFETY SWITCHES SHALL BE HEAVY DUTY FUSIBLE OR NONFUSIBLE TYPE AS INDICATED ON THE DRAWINGS , AND SHALL BE SUITABLE FOR THE VOLTAGE AND CURRENT RATINGS AS SHOWEN ON THE DRAWINGS.
- 6.FUSES RATED 600 AMPERES OR LESS, 600 VOLTS OR LESS SERVING ALL LOADS SHALL BE U.L CLASS RKI, DUAL ELEMENT, TIME DELAY AS MANUFACTURED BY BUSSMANN, DR APPROVED EQIVALENT AS MANFACTURED BY RELIANCE FUSE, GOULD SHAWMUT OR LITTLEFUSE , GENERAL ELECTRIC OR S & C
- 7. FUSES RATED 600 AMPERES OR MORE, 600 VOLTS OR LESS, SERVING ALL LOADS SHALL BE U.L. CLASS L, BUSSMANN, TIME DELAY TYPE KRP-C\_SP, DR APPROVED EQUIVALENT AS MANUFACTURED BY RELIANCE FUSE, GOULD SHAWMUT DR LITTLEFUSE, GENERAL ELECTRIC DR S & C ARE APPROVED
- 8. ALL MOTOR STARTERS SHALL BE COMBINATION TYPE. STARTERS SHALL INCLUDE A FUSIBLE SAFETY SWITCH, A STARTER WITH THREE OVERLOAD DEVICES, AND A CONTROL CIRCUIT TRANSFORMER. THE ENCLOSURE SHALL BE NEMA TYPE I, UNLESS OTHERWISE INDICATED ON THE DRAWINGS. EACH COMBINATION STARTER SHALL INCLUDE A CONTROL CIRCUIT TRANSFORMER WITH A 120 VOLT SECONDARY CONNECTION UNLESS OTHERWISE INDICATED ON THE DRAWINGS. ONE SIDE OF
- THE SECONDARY WINDING SHALL BE FUSED AND THE OTHER SIDE GROUNDED. STARTERS SHALL HAVE A GREEN RUNNING PILOT LIGHT, A HAND-OFF-AUTOMATIC SELECTOR SWITCH AND A MINIMUM OF TWO NORMALLY OPENAND TWO NORMALLY CLOSED AUXILIARY CONTACTS READY FOR CONTROL WIRING CONNECTIONS. 9. DISCONNECT SWITCHES AND MOTOR STARTERS SHALL BE MANUFACTURED BY SQUARE DI, GENERAL ELECTRIC, SIEMENS /ITE
- CUTLER HAMMER/WESTINGHORSE, OR ALLEN BRADLEY. 10. ANY CORE DRILLING OR CUTTING OF FIRE RATED FLOORS, SHAFTS AND WALLS SHALL BE FIRE STOPPED PRIOR TO
- FINISH PATCHING. ALL PENETRATIONS SHALL BE SEALED IN ACCORDANCE WITH UL FIRE RESISTANCE HANDBOOK, VOLUME II AND SHALL BE RATED TO MATCH THE FIRE RATING OF THE FLOORS, SHAFTS OR WALLS PENETRATED. 11. RACEWA INSTALLATION:
- A. CONDUITS SHALL BE CONTINUOUS AND SECURED TO ALL BOXES IN SUCH A MANNER THAT EACH CONDUIT SYSTEM SHALL BE ELECTRICALLY CONTINUOUS FROM THE POINT OF SERVICE TO ALL OUTLET BOXES. RUN CONDUITS CONCEALED UNLESS OTHERWISE INDICATED.
- B. WHERE IT IS NOT POSSIBLE TO INSTALL CONCEALED CONDUIT, PERMISSION MUST BE OBTAINED FROM THE ARCHITECT TO RUN SURFACE WIREMOLD OR CONDUIT. THE ROUTING AND ELEVATION OF SUCH SURFACE MOUNTED RACEWAYS MUST BE COORDINATED WITH THE ARCHITECT BEFORE INSTALLATION, EXPOSED RACEWAYS SHALL BE RUN PARALLEL TO OR
- AT RIGHT ANGELS TO STRUCTURAL MEMBERS AND SHALL BE PAINTED TO MATCH ADJACENT FINISHES
- C.INDIVIDUAL BRANCH CIRCUITS ARE SHOWEN ON THE DRAWINGS FOR CLARITY. LIGHTING AND RECEPTACLE CIRCUITS MAY BE GROUPED FOR HOMERUNS, WITH A MAXIMUM OF (2) OR (3) CIRCUITS PER HOMERUN, DEPENDING ON THE SYSTEM. NEUTRAL CONDUCTORS IN RECEPTACLE CIRCUITS SERVING DATA EQUIPMENT LOADS SHALL NOT BE SHARED
- D. WIRING FROM LEGALLY REQUIRED EMERGENCY AND STANDBY POWER GENERATION SOURCES SHALL BE KEPT INDEPENDENT OF EACH OTHER AND INDEPENDENT OF ALL OTHER BRANCH CIRCUIT WIRING, AND SHALL NOT ENTER THE SAME RACEWAY, CABLE BOX, OR CABINET WITH OTHER WIRING, UNLESS SPECIFICALLY ALLOWED BY THE NATIONAL
- ELECTRICAL CODE. 12. WIRE AND CABLE INSTALLATION: A. PULL WIRE AND CABLES INTO CONDUIT USING IDEAL INDUSTRIES "YELLOW 190", OR EQUIVALENT. B.COLOR CODE WIRE AND CABLE FOR CIRCUITS AS CALLED FOR IN THE NATIONAL ELECTRICAL CODE, COLOR CODING OF FEEDERS SHALL BE BY MEANS OF COLORED TAPE AT TERMINALS
- 13. WIRING DEVICE INSTALLATION: A.ADJACENT DEVICES SHALL BE MOUNTED IN GANGED BOXES WITH COMMON COVER PLATES.
- B. VERIFY MOUNTING HEIGHTS AND LOCATIONS WITH THE ARCHITECT BEFORE ROUGH-IN. REFER TO DETAILS AND INTERIOR WALL ELEVATIONS SHOWEN ON THE ARCHITECTURAL DRAWINGS.
- C. DUTLETS SHALL NOT BE INSTALLED BACK TO BACK
- D.ALL RECEPTACLES SHALL BE MOUNTED WITH THE GROUND OPENING ABOVE THE PHASE AND NEUTRAL OPENINGS E.ALL DEVICES SHALL BE SECURED WITH MORE THAN A SINGLE SCREW.
- 14. ALL HARDWARE, SUPPORTS, HANGERS, BRACKETS, ANGLE IRON, CHANNELS, RODS AND CLAMPS NECESSARY TO INSTALL ELECTRICAL EQUIPMENT SHALL BE PROVIDED TO SUIT THE FIELD CONDITIONS AND THE APPLICATIONS INTENDED AS SHOWEN ON THE DRAWINGS. THE USE OF PERFORATED STRAPS IS NOT PERMITTED
- 15. ALL EQUIPMENT MOUNTED ON EQUIPMENT ROOM WALLS SHALL BE ATTACHED TO 34" PLYWOOD BOARDS, PAINTED WITH FIRE
- RESISTANT PAINT. 16. DISCONNECT SWITCHES MOUNTED ON OR ADJACENT TO MECHANICAL AND BUILDING EQUIPMENT SHALL BE LOCATED TO ALLOW THE PROPER WORKING CLEARANCE AS DEFINED IN ARTICLE 110 OF THE NATIONAL ELECTRICAL CODE.

1. ALL BOXES SHALL BE RIGIDLY SUPPORTED FROM THE BUILDING STRUCTURE INDEPENDENT OF THE CONDUIT SYSTEM. ALL BOXES SHALL BE4' SQUARE BOXES MINIMUM WITH RAISED COVERS SUITABLE FOR THE WALL MATERIAL

- SERVICE AND DISTRIBUTION
- 1. GROUND ALL ELECTRICAL SYSTEM CONDUITS, MOTORS, PANELS AND OTHER EXPOSED NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ALL PROVISIONS OF THE NATIONAL ELECTRICAL CODE, STATE BUILDING CODE AND LOCAL AND REGIONAL CODES.
- 2. GROUNDING DF THE ELECTRICAL SYSTEM SHALL BE BY MEANS DF AN INSULATED GROUNDING CONDUCTOR INSTALLED WITH FEEDER AND BRANCH CIRCUIT CONDUCTORS IN ALL CONDUITS, GROUNDING CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH N.E.C. ARTICLE 250.
- 3. SYSTEM NEUTRAL CONDUCTORS SHALL BE GROUNDED AT THE SOURCE, NEUTRAL CONDUCTORS SHALL NOT BE USED FOR EQUIPMENT GROUNDING.
- 4. THE GROUNDING CONDUCTOR FOR BRANCH CIRCUITS FEEDING ISOLATED GROUND RECEPTACLES SHALL BE CONNECTED ONLY AT THE
- ISOLATED GROUND RECEPTACLE GROUND TERMINALS, AND AT THE GROUND BUS OF THE SERVING PANEL. 5. FURNISH AND INSTALL BRANCH CIRCUIT BREAKER PANELBOARDS EQUIPPED WITH CIRCUIT BREAKERS, WITH FRAME AND TRIP RATINGS LISTED ON THE DRAWINGS. CIRCUIT BREAKERS SHALL BE TERMAL-MAGNETIC, MOLDED CASE BOLT-ON TYPE ALL CURRENT
- CARRYING PARTS OF THE BUS STRUCTURE SHALL BE COPPER. EACH PANELBOARD SHALL CONTAIN A GROUNDING BUS. 6. EACH PANELBOARD SERVED DIRECTLY BY A TRANSFORMER SECONDARY SHALL HAVE A MAIN CIRCUIT BREAKER OR OTHER MAIN OVERCURRENT PROTECTION, SIZED IN ACCORDANCE WITH ARTICLE 240 OF THE NATIONAL ELECTRICAL CODE.
- 7. PANELBOARDS SHALL BE AS MANUFACTURED BY SQUARE D, SIEMENS/ITE, GENERAL ELECTRIC OR CUTLER HAMMER/WESTINGHOUSE 8. PANELS SHALL BE MOUNTED SO THAT TOP OF THE CABINET IS AT 6'−0" ABOVE FLOOR. A GLAZED DIRECTORY FRAME SHALL BE
- PROVIDED INSIDE EACH PANEL DOOR AND SHALL BE OF SUFFICIENT SIZE TO GIVE A COMPLETE DESCRIPTION OF EACH CIRCUIT. TYPED DIRECTORY CARDS SHALL BE PROVIDED LISTING EACH CIRCUIT SERVED. 9. THE BRANCH CIRCUIT NUMBERS USED ON THE DRAWINGS SHALL BE APPLIED FOR THE CONSTRUCTION. HOWEVER AT THE
- COMPLETION OF THE WORK, CIRCUIT NUMBER ADJUSTMENTS SHALL BE MADE AS REQUIRED TO PROVIDE BALANCED PHASE LOADING ON EACH PANELBOARD. 10. FLUSH MOUNTED PANELBOARDS SHALL BE INSTALLED WITH A MINIMUM OF THREE EMPTY 34" CONDUITS STUBBED UP TO THE
- NEAREST ACCESSIBLE CEILING SPACE FOR CONVENIENT FUTURE EXPANSION. 11. TRANSFORMERS SHALL BE 150 DEGREES C. TEMPERATURE RISE ABD∨E A 40 DEGREES C. AMBIENT. ALL INSULATING MATERIALS
- SHALL BE IN ACCORDANCE WITH NEMA ST20 STANDARD FOR 185 DEGREES C. UL COMPONENT RECOGNIZED INSULATION SYSTEM. SOUND LEVELS SHALL NOT EXCEED NEMA STANDARDS. TRANSFORMER SHALL HAVE (4) 2-1/2% FULL CAPACITY PRIMARY TAPS. COILS: CONTINUOUS WINDINGS WITHOUT SPLICES EXCEPT FOR TAPS. 1) INTERNAL COIL CONNECTIONS: BRAZED OR PRESSURE TYPE. 2) COIL MATERIAL: COPPER.
- 12. TRANSFORMERS SHALL BE AS MANUFACTURED BY SQUARE D OR CUTLER HAMMER' 13. PROVIDE A 6" CONCRETE PAD FOR FLOOR MOUNTING OF EACH TRANSFORMER RATED 75 KVA AND ABOVE AND FOR SMALLER TRANSFORMERS IF INDICATED ON THE DRAWINGS.

## INTERIOR LUMINAIRES

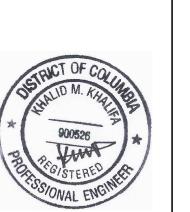
- A. ALL FIXTURES TO BE SPECIFICATION GRADE OR BETTER. B. PERFORMANCE REQUIREMENTS: FOR AREAS OF ASSEMBLY, SUBMIT POINT-BY-POINT LIGHT LEVEL CALCULATIONS TO VERIFY
- COMPLIANCE WITH DESIGN LEVELS. C. PROVIDE COMPLETE INTERIOR LUMINAIRE ASSEMBLIES, WITH FEATURES, OPTIONS, AND ACCESSORIES AS SCHEDULED.
- SUSPEND LUMINAIRE AT INDICATED HEIGHT. E. SUPPORT LUMINAIRES LARGER THAN 2 X 4 FOOT SIZE INDEPENDENT OF CEILING FRAMING.
- F. INSTALL SURFACE MOUNTED LUMINAIRES PLUMB AND ADJUST TO ALIGN WITH BUILDING LINES AND WITH EACH OTHER, SECURE TO PREVENT MOVEMENT.
- G. EXPOSED GRID CEILINGS: SUPPORT SURFACE-MOUNTED LUMINAIRES ON GRID CEILING DIRECTLY FROM BUILDING, FASTEN SURFACE MOUNTED LUMINAIRES TO CEILING GRID MEMBERS USING BOLTS, SCREWS, RIVETS, OR SUITABLE CLIPS.
- H. INSTALL RECESSED LUMINAIRES TO PERMIT REMOVAL FROM BELOW.
- FIRE RATING. INSTALL CLIPS TO SECURE RECESSED GRID-SUPPORTED LUMINAIRES IN PLACE.
- K. CONNECT LUMINAIRES TO BRANCH CIRCUIT OUTLETS USING FLEXIBLE CONDUIT. MAXIMUM LENGTH FIXTURE WHIP TO BE 5 FEET. MAKE WIRING CONNECTIONS TO BRANCH CIRCUIT USING BUILDING WIRE WITH INSULATION SUITABLE FOR TEMPERATURE CONDITIONS WITHIN LUMINAIRE.
- M. INSTALL SPECIFIED LAMPS IN EACH LUMINAIRE. N. AIM AND ADJUST LUMINAIRES TO PROVIDE LIGHT LEVELS CONSISTENT WITH DESIGN.
- LED LIGHTING FIXTURES
- A. MANUFACTURERS:
- a. AS SPECIFIED BY LIGHT FIXTURE SCHEDULE B. CRI DF 80. CCT DF 4000K
- C. RATED LAMP LIFE DF MIN 50,000 HRS
- D. INTERNAL DRIVER NOMINAL OPERATING VOLTAGE 120V AC E. LAMPS DIMMABLE FROM 100 PERCENT TO 0 PERCENT OF MAXIMUM LIGHT OUTPUT

COMMUNICATIONS 1. COMBINATION TELEPHONE/DATA OUTLET BOXES SHALL BE 4 INCHES SQUARE WITH SINGLE GANG PLASTER RINGS, UNLESS OTHERWISE NOTED.

- 2. TELEPHONE-ONLY, DATA-ONLY, FAX AND PAY TELEPHONE OUTLETS SHALL BE SIMILAR
- 3. BLANK COVERPLATES SHALL BE PROVIDED FOR ALL UNUSED OUTLETS
- 4. ALL CONDUITS REQUIRED FOR COMBINATION TELEPHONE/DATA OUTLETS AS SHOWEN ON DRAWINGS SHALL BE INSTALLED COMPLETE
- WITH BUSHINGS AND NYLON PULL WIRES 5. PROVIDE CONDUIT FROM EACH DUTLET UP TO THE NEAREST ACCESSIBLE CORRIDOR CEILING SPACEAND PROVIDE A PLASTIC GROMMET AT EACH STUB.
- 6.PRDVIDE MISCELLANEOUS COMMUNICATION SYSTEM DEVICES AS SHOWN AND SPECIFIED ON THE DRAWINGS.
- 7. INCLUDE SUFFICIENT WIRING, CONDUIT TERMINATIONS, ELECTRICAL BOXES, AND ALL OTHER NECESSARY MATERIAL AS RECOMMENDED BY THE SYSTEM SUPPLIERS.



"I AM RESPONSIBLE FOR DETERMINING THAT THE ENGINEERING DESIGNS INCLUDED IN THIS APPLICATION ARE IN COMPLIANCE WITH ALL LAWS AND REGULATIONS OF THE DISTRICT OF COLUMBIA. I HAVE PERSONALLY PREPARED OR DIRECTLY SUPERVISED THE DEVELOPMENT OF, THE ENGINEERING DESIGNS INCLUDED IN THIS APPLICATION.



ELECTRICAL
SPECIFICATION

REFER TO DRAWING

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#PIn

K C H I I E C I U K E 1350 CONNECTICUT AVE , SUITE 501 WASHINGTON, DC 20036 NE: 202-470-5570 FAX:202-318-8684 www.emotivearch.com PHONE:

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1620 V ST, NW

WASHINGTON DC 20009

DD 100% DRAWINGS

04/29/2022

JJFCT NAME

CONSULTANTS:

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D. INSTALL SUSPENDED LUMINAIRES USING PENDANTS SUPPORTED FROM SWIVEL HANGERS. INSTALL PENDANT LENGTH REQUIRED TO

I. INSTALL RECESSED LUMINAIRES USING ACCESSORIES AND FIRESTOPPING MATERIALS TO MEET REGULATORY REQUIREMENTS FOR

## PLUMBING

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE GOVERNING CODES AND REGULATIONS. WHERE ANY PORTION OF THE SYSTEM SHOWN IS NOT IN ACCORDANCE WITH ALL APPLICABLE LAWS. ORDINANCES, REGULATIONS OR CODES, THIS CONTRACTOR SHALL MAKE ALL CHANGES REQUIRED BY THE ENFORCING AUTHORITIES IN A MANNER APPROVED BY THE ENGINEER AND AT NO ADDITIONAL COST TO THE OWNER.
- THIS CONTRACTOR SHALL ORDER AND OBTAIN ALL NECESSARY TESTS, PERMITS AND CERTIFICATES OF APPROVAL AND PAY ANY REQUIRED FEES FOR IT.
- 3. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 4. ALL EQUIPMENT, FIXTURES AND MATERIALS SHALL BE NEW AND SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS
- 5. EQUIPMENT CAPACITIES AND MANUFACTURER MODEL NUMBERS ARE INDICATED ON THE DRAWINGS.
- 6. ALL EQUIPMENT REQUIRING ELECTRIC POWER SHALL BE SUITED FOR USE WITH THE POWER TO BE SUPPLIED. SEE ELECTRICAL DRAWINGS. ALL ELECTRICAL REQUIREMENTS
- SHALL BE COORDINATED WITH THE ELECTRICAL CONTRACTOR. THIS CONTRACTOR SHALL COORDINATE ALL HIS WORK WITH THE GENERAL CONTRACTOR FOR THE EXACT LOCATION OF CHASES, FURRING SPACES, DROPPED CEILINGS, STRUCTURE
- PENETRATIONS, PAINTING, ETC. THIS CONTRACTOR SHALL INSTRUCT THE OWNER IN THE 8. OPERATION AND MAINTENANCE OF ALL COMPONENTS OF THE INSTALLATION. A ONE YEAR SERVICE CONTRACT SHALL BE INCLUDED AS PART OF THIS WORK.
- CORE DRILLING SHALL NOT BE DONE UNTIL THE AREA TO BE DRILLED IS X-RAYED AND WRITTEN APPROVAL IS OBTAINED FROM THE PROJECT STRUCTURAL ENGINEER AND OWNER.
- BASIC MATERIALS AND METHODS
- 1. ALL PIPING CONNECTIONS TO EQUIPMENT SHALL BE MADE WITH
- GROUND JOINT UNIONS. 2. PIPE HANGER AND SUPPORTS: CLEVIS OR SPLIT RING TYPE SPACING AND ROD SIZE AS RECOMMENDED IN MSSSP-69, MECHANICAL CODE AND IN ACCORDANCE WITH INDUSTRY PRACTICE. SELECT TO FIT AROUND BARE PIPE OR AROUND INSULATION WITH INSULATION SADDLE/SHIELD FOR INSULATED PIPING, HANGERS FOR COPPER PIPE SHALL BE COPPER OR COPPER PLATED. BAND IRON HANGERS SHALL NOT BE USED. HANGERS AND ACCESSORIES SHALL BE F&M CORPORATION OR
- APPROVED EQUAL. 3. PIPE SUPPORTS: SUPPORTS TO BE PROVIDED IN ACCORDANCE WITH APPLICABLE CODES AND IN ACCORDANCE WITH INDUSTRY PRACTICE. STEEL RISER CLAMPS WITH PLASTIC COATING OR COPPER PLATED OR COOPER PIPES. F & M CORPORATION OR EQUAL.

PIPING SPECIALTIES

- 1. PROVIDE FACTORY FABRICATED PIPING SPECIALTIES OF TYPES
- RECOMMENDED BY MANUFACTURERS FOR SERVICES INDICATED. PROVIDE ESCUTCHEON PLATES WHEREVER PIPES PASS THROUGH WALLS, FLOORS OR CEILINGS, OUTSIDE DIAMETER TO COVER COMPLETELY PIPE PENETRATION HOLE OR PIPING SLEEVE, NICKEL OR CHROME FINISH FOR EXPOSED AREAS, PRIME PAINT FINISH FOR CONCEALED AREAS.
- 3. UNIONS: PROVIDE DIELECTRIC UNIONS AT CONNECTIONS BETWEEN FERROUS AND NON-FERROUS PIPING. EPCO, STOCKHAM OR EQUAL. INSULATION
- 1. PROVIDE INSULATION FOR PIPING, AND EQUIPMENT OF TYPES AND THICKNESS SPECIFIED HEREIN, INSULATION SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING 25 AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50. INSTALL INSULATION IN STRICT CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. A CONTINUOUS VAPOR BARRIER SHALL BE PROVIDED ON ALL COLD WATER PIPING AND COLD AIR DUCTWORK, INSULATION SHALL BE ARMSTRONG, CERTAINTEED. DWENS-CORNING OR JOHNS-MANVILLE.
- PIPING INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE, INCLUDING THAT DUE TO SUNLIGHT, MDISTURE, EQUIPMENT MAINTENANCE AND WIND, AND SHALL PROVIDE SHIELDING FROM SOLAR
- 3. INSULATE ALL HOT WATER PIPE WITH A MINIMUM THERMAL RESISTANCE (R-VALUE) DF R-3, FOR AUTOMATIC-CIRCULATING HOT WATER AND HEAT-TRACED SYSTEMS, PIPING SHALL BE INSULATED WITH NOT LESS THAN 1 INCH OF INSULATION HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH/H X FT2 X °F.

## PIPING

1. INSTALL PIPE TUBE AND FITTINGS IN ACCORDANCE WITH INDUSTRY PRACTICE WHICH WILL ACHIEVE PERMANENTLY LEAKPROOF PIPING SYSTEMS, CAPABLE OF PERFORMING EACH INDICATED SERVICE WITHOUT PIPING FAILURE. TEST PIPING FOR LEAKAGE. REPAIR PIPING SYSTEMS SECTIONS WHICH FAIL TEST BY DISASSEMBLY AND RE-INSTALLATION, USING NEW MATERIALS TO THE EXTENT REQUIRED TO OVERCOME LEAKAGE. UNDER NO CIRCUMSTANCES USE CHEMICALS, STOP-LEAK COMPOUNDS, MASTICS, TAPES OR OTHER TEMPORARY REPAIR METHODS. 2. ALL SANITARY PIPING SHALL BE SLOPED AS NOTED ON PLANS. WHERE NOT NOTED, SLOPE PIPING AT MINIMUM REQUIRED BY CODE 3. ALL PIPING SHOWN ON THE FLOOR PLANS SHALL BE LOCATED ABOVE THE CEILING OR INSIDE CHASES UNLESS OTHERWISE NDTED.

4. STORM, WASTE AND VENT PIPING SHALL BE SERVICE WEIGHT ND-HUB CAST IRDN PIPE AND FITTINGS CISPI 301, HUB & SPIGDT SDIL PIPE AND FITTINGS ASTM A-74, GALVANIZED STEEL PIPE WITH DRAINAGE PATTERN SCREWED GALVANIZED CAST IRON FITTINGS ANSI/ASTM A-74 OR DWV COPPER WITH WROUGHT COPPER FITTINGS, ASTM B306. OR SCHEDULE 40 PVC 5. DEMESTIC WATER PIPING SHALL BE TYPE "L" HARD-DRAWN

CLEANDUTS SHALL BE INSTALLED NOT MORE THAN 50 FT. APART IN HORIZONTAL DRAINAGE LINES. A CLEANOUT SHALL BE PROVIDED AT THE BASE OF EACH VERTICAL WASTE, SOIL STACK, OR RAINLEADER. THERE SHALL BE A CLEANDUT AT THE JUNCTION OF THE SANITARY BUILDING DRAINS AND BUILDING SEWERS, AND THE STORM AND BUILDING SEWERS.

CLEANDUTS:

CLEANDUTS ON CONCEALED PIPING SHALL BE EXTENDED THROUGH AND TERMINATE FLUSH WITH THE FINISHED WALL DR FLOOR WITH ACCESS COVER OF SUFFICIENT SIZE TO PERMIT REMOVAL OF THE CLEANOUT PLUG. CLEANOUTS SHALL NOT BE INSTALLED IN AREAS OF FLOORS TO RECEIVE TERRAZZO, CERAMIC 3, ENERGY CONSERVATION CODE COMPLIANCE: COMPLY WITH TILE OR STONE FINISH.

CLEANDUTS SHALL BE INSTALLED SD THAT THE CLEANDUT OPENS IN THE DIRECTION OF THE DRAINAGE LINE OR AT RIGHT ANGLES THERETO.

4. CLEANDUTS SHALL BE OF THE SAME NOMINAL SIZE AS THE PIPES THEY SERVE UP TO 4" AND NOT LESS THAN ONE NOMINAL PIPE SIZE SMALLER FOR LARGER PIPE.

5. A FIXTURE TRAP OR A FIXTURE WITH INTEGRAL TRAP, READILY REMOVABLE WITHOUT DISTURBING CONCEALED PIPING, MAY BE ACCEPTED AS A CLEANDUT EQUIVALENT.

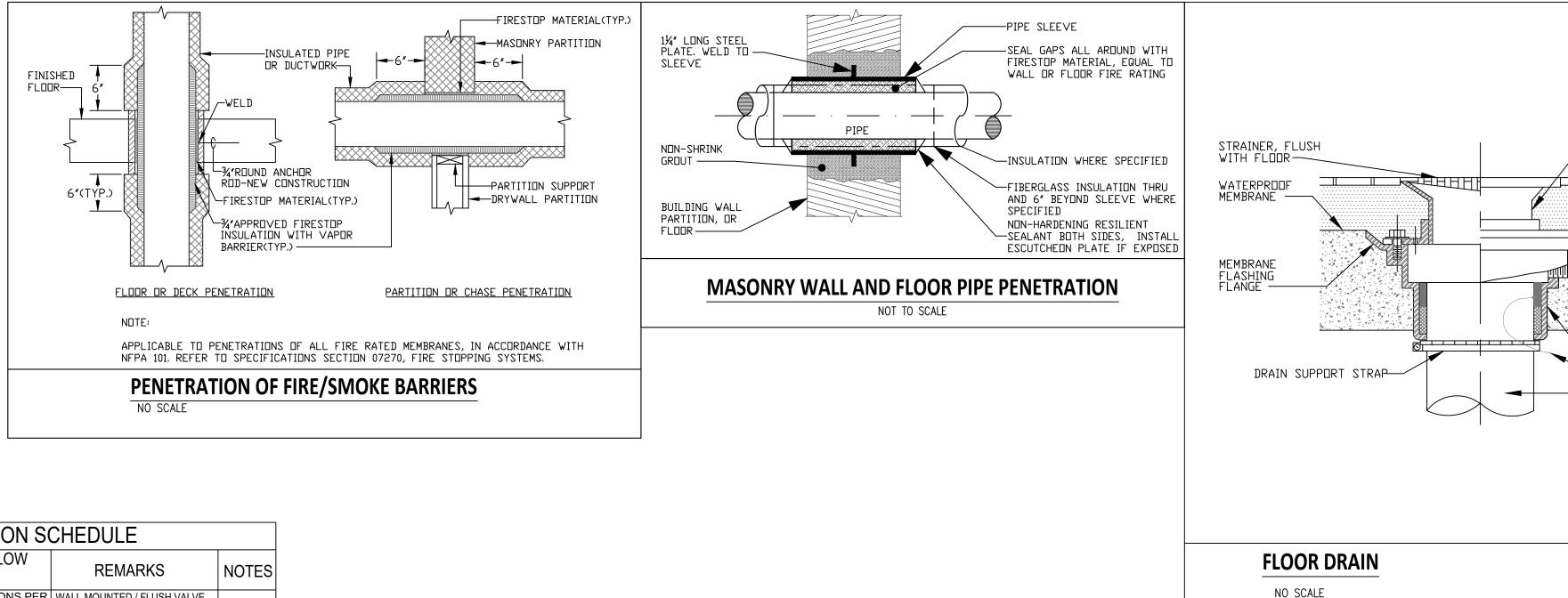
6. CLEANDUTS SHALL BE " ZURN", "JAY R. SMITH", "WADE", DR "JOSAM".

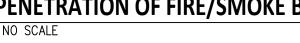
A.	EXPOSED CONCRETE FLOOP	R: Z-1400-HB	
В.	KITCHEN FLOORS:	ZN-1400	
C.	TILE FLOORS:	ZN-1400-X	
D.	CARPETED FLOORS:	ZN-1400-CM	
Ε.	FINISHED FLOORS:	ZN-1400	
F.	FINISHED WALLS:	Z-1445-1468 ACCESS C	COVE
AND	PLUG.		
G.	EXPOSED PIPING:	Z-1445	
H.	EXTERIOR (CONCRETE):	Z-1449	

7. LIDCATE CLEANDUTS IN ACCESSIBLE LIDCATIONS WHEREVER POSSIBLE, ABOVE SUSPENDED CEILINGS ETC. IF LOCATED ABOVE SUPPLIES AND TRAPS WHERE ROUGH-IN PIPING WOULD BE OR BEHIND DRYWALL CEILINGS, PROVIDE STEEL ACCESS PANELS DIRECTLY IN FRONT OF VALVES. PROVIDE CHROME PLATED BRASS COVER PLATES FOR CLEANDUTS LOCATED WITHIN DRYWALL PARTITIONS, LOCATIONS MUST BE COORDINATED AND APPROVED BY ARCHITECT PRIDR TO INSTALLATION OF PIPING SYSTEM. VALVES

1. GATE VALVES, 2-INCH AND SMALLER: MSS SP-80; CLASS 125, BODY AND BONNET OF ASTM B 62 CAST BRONZE; WITH THREADED OR SOLDER ENDS, SOLID DISC, COPPER-SILICON ALLOY STEM, BRASS PACKING GLAND, "TEFLON" IMPREGNATED PACKING, AND MALLEABLE IRON HANDWHEEL. PROVIDE CLASS 150 VALVES MEETING THE ABOVE AND MALLEABLE IRON HANDWHEEL. PROVIDE CLASS 150 VALVES MEETING THE ABOVE WHERE SYSTEM PRESSURE REQUIRES. DO NOT USE SOLDER END VALVES FOR HOT WATER HEATING OR STEAM PIPING APPLICATIONS. 2. BALL VALVES: 2-PIECE, BRONZE BODY, BLOW-OUT PROOF STEM, METAL BALL, TEFLON SEAL RING, SCREWED OR SOLDERED ENDS, 400 LB. WOG. NIBCO OR STOCKHAM. 3. PROVIDE VALVES FOR THE FOLLOWING SERVICES: a. DOMESTIC WATER 1" AND LARGER - GATE VALVE b. DOMESTIC WATER SMALLER THAN 1" - BALL VALVE 4. LOCATE VALVES IN ACCESSIBLE LOCATIONS WHEREVER POSSIBLE, ABOVE SUSPENDED CEILINGS ETC. IF LOCATED ABOVE OR BEHIND DRYWALL CEILINGS OR WALLS, PROVIDE STEEL ACCESS PANELS DIRECTLY IN FRONT OF VALVES. LOCATION MUST BE COORDINATED AND APPROVED BY ARCHITECT PRIOR TO

INSTALLATION OF PIPING SYSTEM.







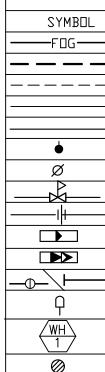
			WASTE	Π.ΨΨ.	0.00.	RATE	REIMARNO	
WC	WATER CLOSET	2"	3"				WALL MOUNTED / FLUSH VALVE WATERSENSE LABELED	
LAV	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	0.5 GPM AT 60PSI	COUNTER TOP WATERSENSE LABELED	

\* FIXTURE MOUNTING HEIGHTS SHALL CONFORM WITH CURRENT ANSI AND ADA STANDARDS. SEE ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS OF PLUMBING FIXTURES.

## FIXTURES

1. FIXTURES, FITTINGS, TRIM AND ACCESSORIES SHALL BE SAME MANUFACTURERS TO THE EXTENT POSSIBLE. 2. BARRIER FREE STANDARDS: COMPLY WITH APPLICABLE ANSI STANDARDS PERTAINING TO PLUMBING FIXTURES AND SYSTEMS INCLUDING ANSI A 117.1 STANDARD PERTAINING TO PLUMBING FIXTURES FOR THE HANDICAPPED. COMPLY WITH THE REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT". FIXTURES DESIGNATED BARRIER FREE ARE INTENDED TO BE "USABLE BY PHYSICALLY HANDICAPPED PEOPLE". FIXTURES FOR USE BY HANDICAPPED PEOPLE SHALL BE INSTALLED IN ACCORDANCE WITH ANSI A 117.1. LOCAL AUTHORITY STANDARDS FOR PLUMBING FIXTURE FLOW CONTROLS. WHERE NO CODE OR STANDARD IS IN USE, USE THE

WHERE PROHIBITED. COMPARISON FINISH. PLATED METAL.



CURRENT IECC 2012 ENERGY CONSERVATION CODE. WHEN A SPECIFIED DEVICE IS MORE RESTRICTIVE THAN THE LOCAL STANDARDS, THE SPECIFIED DEVICE SHALL BE INSTALLED EXCEPT

4. SUBMIT MANUFACTURER'S SPECIFICATIONS FOR PLUMBING FIXTURES AND TRIM, INCLUDING CATALOG LITERATURE AND MANUFACTURER'S NAME OF EACH FIXTURE TYPE AND TRIM ITEM FURNISHED, ROUGHING-IN DIMENSIONED DRAWINGS, FIXTURE CARRIERS, AND INSTALLATION INSTRUCTIONS. PROPOSED SUBSTITUTIONS SHALL BE INDICATED AND DRAWINGS, CATALOG LITERATURE, OR OTHER DATA SHALL BE FURNISHED FOR

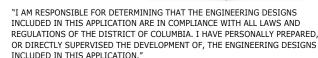
5. FIXTURES SHALL BE WHITE EXCEPT WHERE INDICATED DTHERWISE DR WHERE FIXTURE IS PROVIDED IN A MANUFACTURED

6. EXPOSED METAL FITTINGS, TRIM, AND ACCESSORIES SHALL HAVE POLISHED CHROME PLATED FINISH. 7. SUPPLIES: PROVIDE A STOP ON EACH WATER SUPPLY TO EACH FIXTURE. PROVIDE ACCESS PANELS FOR CONCEALED STOPS. 8. TRAPS: PROVIDE A TRAP ON EACH FIXTURE, EXCEPT WHERE 'ER FIXTURE SPILLS OVER A PROPERLY TRAPPED DRAIN OR OTHER RECEPTOR. ALL SINK AND LAVATORY TRAPS SHALL BE CHROME PLATED CAST BRASS SWIVEL PATTERN WITH CLEANDUT. ALL TUBING DRAINS SHALL BE MINIMUM 17 GAUGE THICKNESS CHROME

9. ESCUTCHEONS: PROVIDE DEEP PATTERN ESCUTCHEONS FOR VISIBLE USING STANDARD ESCUTCHEDNS.

## PLUMBING LEGEND

	DESCRIPTION	ABBRE∨IATION
-	SDIL/WASTE PIPE	SP/WP
-	STORM PIPE	ST
-	VENT PIPE	VP
_	COLD WATER PIPE	CW
_	HOT WATER PIPE	H₩
	GATE VALVE	
	CHECK VALVE	
	PRESSURE REDUCING VALVE	
_	UNION	
	REDUCED PRESSURE BACKFLOW PREVENTER	RPZBFP
	DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTER	BFP
-	CLEANDUTS	СП
	SHOCK ABSORBER	SA
	WATER HEATER	WH
	FLOOR DRAIN	FLD



-ADJUSTABLE

DRAIN HEAD

—TILE FLOOR

- DRAIN BODY

- PVC

- INSIDE CAULK



		BING SHEET
REFER	ТО	DRAWING

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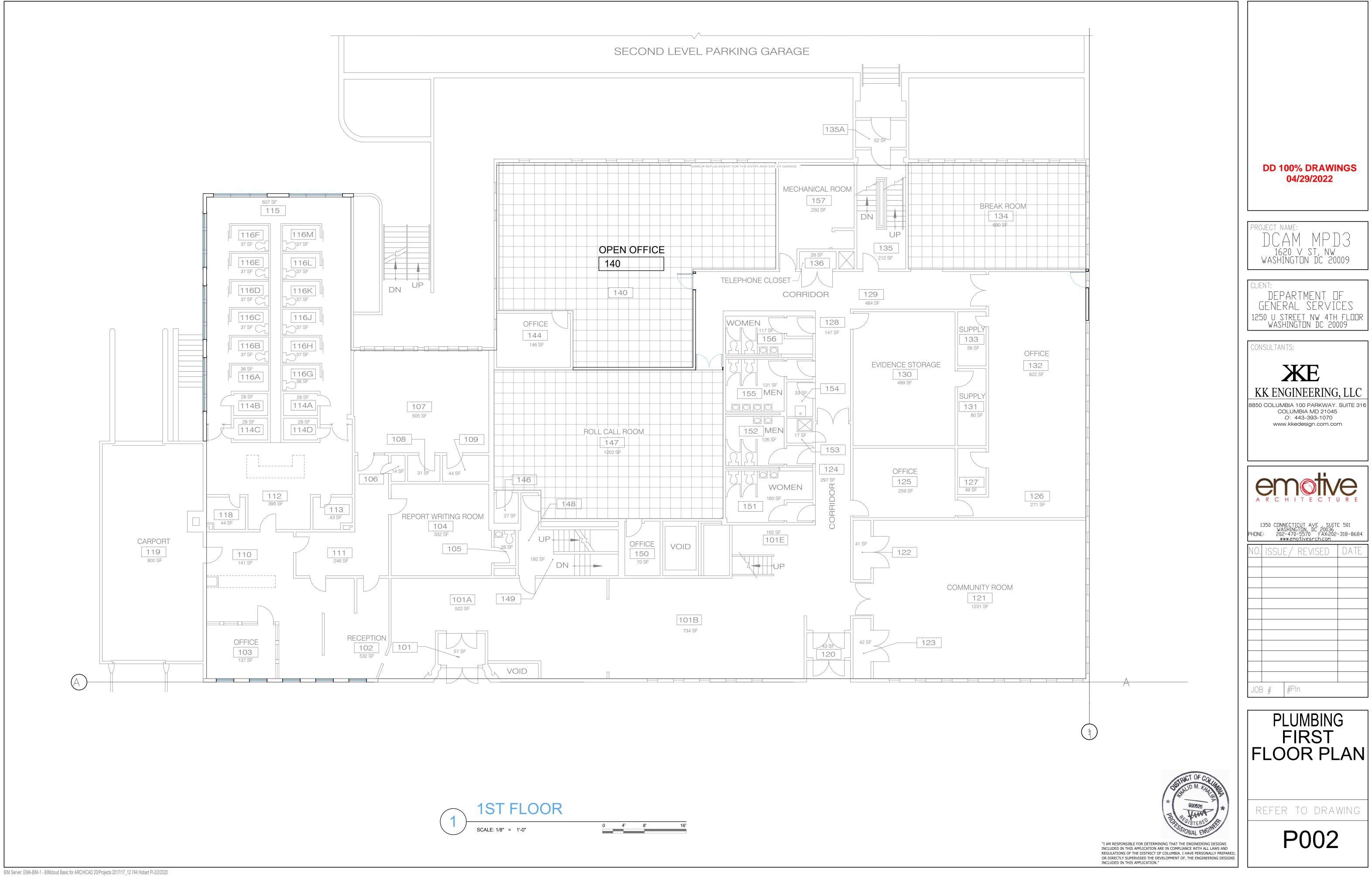
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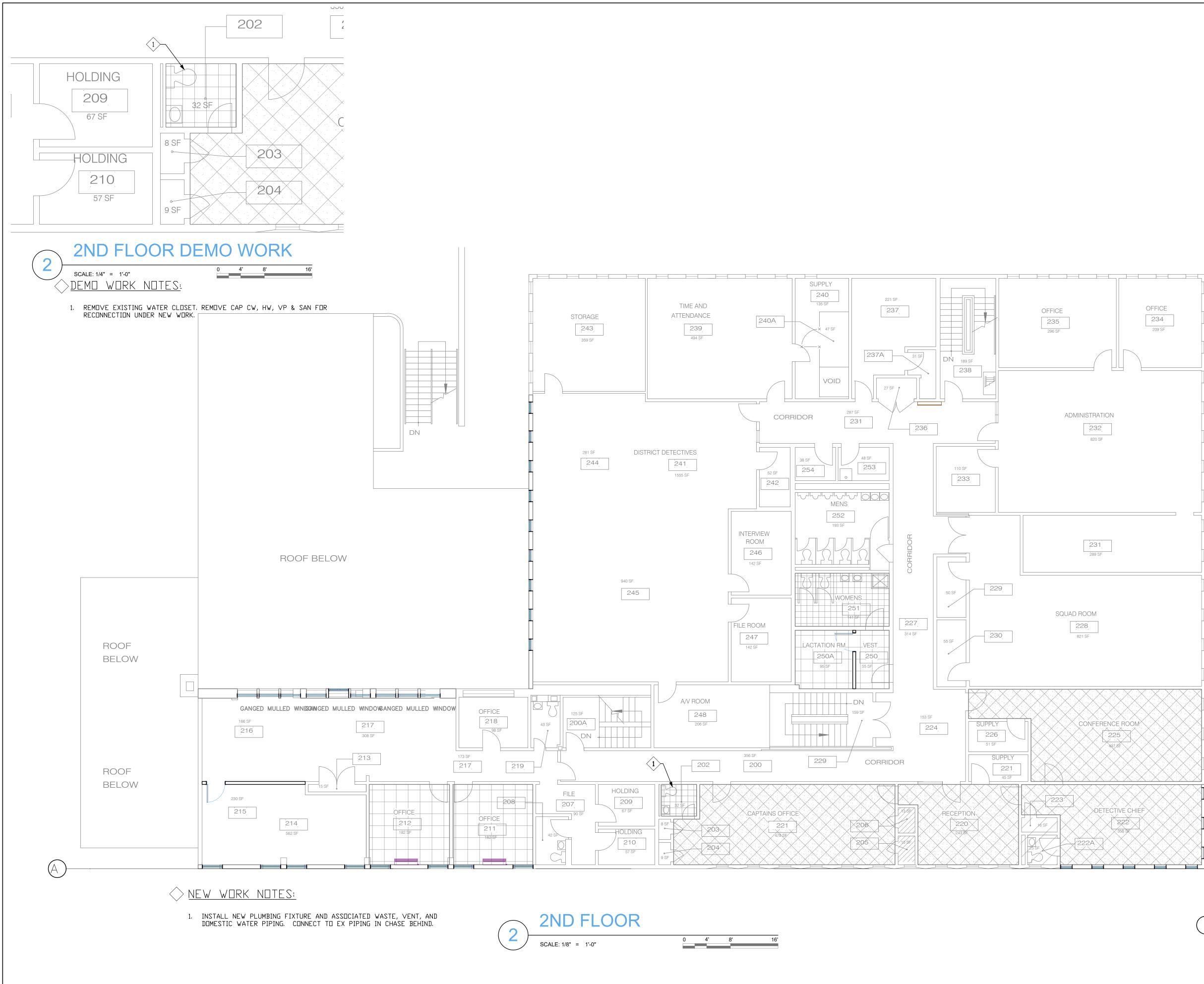
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DD 100% DRAWINGS

04/29/2022







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PROJECT NAME: DCAM MPD3 1620 V ST, NW WASHINGTON DC 20009
CLIENT: DEPARTMENT OF GENERAL SERVICES 1250 U STREET NW 4TH FLOOR WASHINGTON DC 20009
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PLUMBING SECOND FLOOR PLAN

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