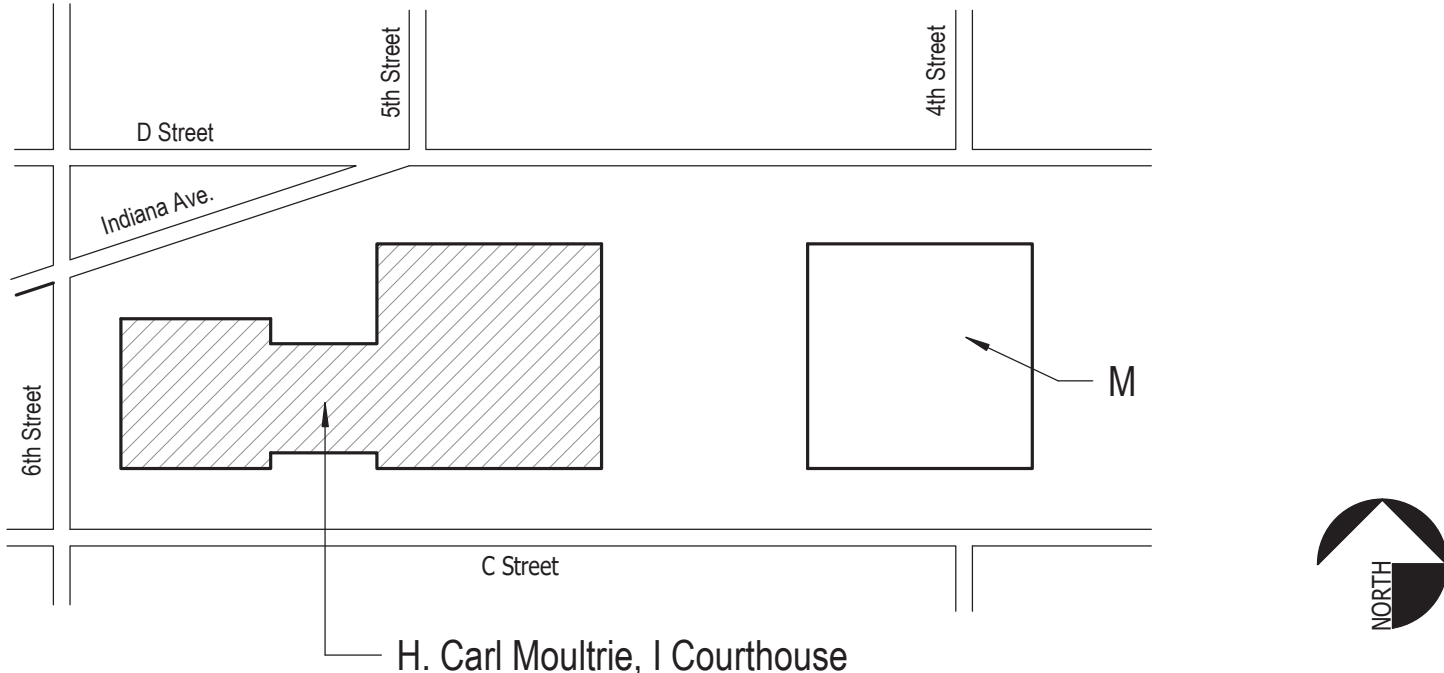




H. CARL MOULTRIE I COURTHOUSE - FOURTH FLOOR EAST MAGISTRATE JUDGES CHAMBERS RENOVATION

SHEET LIST - 1		PROJECT DESCRIPTION	VICINITY MAP	500 INDIANA AVENUE N.W. WASHINGTON DC 20001
SHEET NUMBER	SHEET NAME			
<div>GENERAL<div>1.G.000COVER SHEET</div><div>1.G.001BUILDING CODE ANALYSIS & LIFE SAFETY PLAN</div><div>1.G.002PHASING PLAN - FOURTH FLOOR</div></div> <div>ARCHITECTURAL<div>1.A.001ABBREVIATIONS AND SYMBOLS</div><div>1.A.003TYPICAL MOUNTING HEIGHTS AND DIMENSIONING CONVENTIONS</div><div>1.A.004TYPICAL RULES FOR DETERMINING MOUNTING HEIGHTS AND LOCATIONS</div><div>1.A.005TYPICAL REFLECTED CEILING PLAN LOCATIONS AND CONFIGURATIONS</div><div>1.AD.204DEMOLITION FLOOR PLAN - FOURTH FLOOR</div><div>1.AD.304DEMOLITION REFLECTED CEILING PLAN - FOURTH FLOOR</div><div>1.A.204FLOOR PLAN - FOURTH FLOOR</div><div>1.A.304REFLECTED CEILING PLAN - FOURTH FLOOR</div><div>1.A.801INTERIOR ELEVATIONS</div><div>1.A.910FINISH SCHEDULE</div><div>1.A.920PARTITION SYSTEMS</div><div>1.A.921PARTITION SYSTEMS DETAILS - FRAMING</div><div>1.A.930DOOR AND HARDWARE SCHEDULES</div><div>1.A.960MODULAR CASEWORK SECTIONS</div><div>1.A.961MISCELLANEOUS INTERIOR AND CEILING DETAILS</div><div>1.AF.404FINISH PLAN - FOURTH FLOOR</div><div>1.AI.504FURNITURE PLAN - FOR REFERENCE ONLY</div><div>1.AJ.604POWER/SIGNAL COORDINATION PLAN - FOURTH FLOOR</div></div> <div>FIRE PROTECTION<div>1.FP.001FIRE SUPPRESSION ABBREVIATIONS AND SYMBOLS</div><div>1.FP.204FOURTH LEVEL FIRE SUPPRESSION PLAN</div></div> <div>PLUMBING<div>1.P.001PLUMBING ABBREVIATIONS /SYMBOLS/GENERAL NOTES</div><div>1.FP.204FOURTH LEVEL PLUMBING DEMOLITION PLAN</div><div>1.P.204FOURTH LEVEL PLUMBING PLAN COMPLETION</div><div>1.P.401PLUMBING ENLARGED PLAN - RISER & DETAILS</div></div> <div>MECHANICAL<div>1.M.001MECHANICAL ABBREVIATIONS AND SYMBOLS</div><div>1.MD204MECHANICAL DEMOLITION PLAN - LEVEL 04</div><div>1.M.204HVAC PLAN - LEVEL 04</div><div>1.M.304HVAC PIPING PLAN - LEVEL 04</div><div>1.M.501FIN TUBE RADIATOR RISER DIAGRAM</div><div>1.M.601MECHANICAL DETAILS</div><div>1.M.701MECHANICAL SCHEDULES</div><div>1.M.801MECHANICAL CONTROLS ABBREVIATIONS AND SYMBOLS</div><div>1.M.802MECHANICAL CONTROLS</div></div> <div>ELECTRICAL<div>1.E.001ELECTRICAL ABBREVIATIONS AND SYMBOLS</div><div>1.E.002ELECTRICAL SCHEDULES</div><div>1.ED.204DEMOLITION POWER PLAN - FOURTH FLOOR</div><div>1.ED.304DEMOLITION LIGHTING PLAN - FOURTH FLOOR</div><div>1.E.200POWER FLOOR PLAN - PARKING LEVEL</div><div>1.E.204POWER FLOOR PLAN - FOURTH FLOOR</div><div>1.E.304LIGHTING FLOOR PLAN - FOURTH FLOOR</div><div>1.E.504ELECTRICAL DIAGRAMS</div><div>1.E.601ELECTRICAL DETAILS</div><div>1.E.701LIGHTING SCHEDULES & COMCHECK LPD COMPLIANCE</div><div>1.E.702PANELBOARD SCHEDULES</div></div> <div>FIRE ALARM<div>1.FA.001FIRE ALARM ABBREVIATIONS AND SYMBOLS</div><div>1.FA.104FOURTH LEVEL FIRE ALARM PLAN</div></div> <div>IT-AV<div>1.T.001TECHNOLOGY INFRASTRUCTURE LEGENDS AND LEGEND NOTES</div><div>1.T.002TECHNOLOGY INFRASTRUCTURE LEGENDS, SCHEDULES AND GENERAL NOTES</div><div>1.T.003DIVISION 27 - AUDIOVISUAL SPECIFICATIONS</div><div>1.T.204TECHNOLOGY INFRASTRUCTURE FLOOR PLAN - LEVEL 4</div><div>1.T.304TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLAN - LEVEL 4</div><div>1.T.504TELECOM PLAN, ENLARGED PLANS AND ELEVATIONS - LEVEL 4</div><div>1.T.601AUDIOVISUAL INFRASTRUCTURE ROOM RISERS</div><div>1.T.602AUDIOVISUAL SYSTEMS DRAWING</div><div>1.T.701TELECOM BUILDING AND TYPICAL CONDUIT RISER</div><div>1.T.801TECHNOLOGY INFRASTRUCTURE ELEVATIONS</div><div>1.T.901TECHNOLOGY INFRASTRUCTURE DETAILS</div><div>1.T.902TELECOM DETAILS</div></div>		<div>THE SCOPE OF THE WORK IS A LEVEL 2 ALTERATION OF INTERIOR OFFICE SPACE. THE PROJECT HAS 2 PHASES THAT WILL RESULT IN THE COMPLETION OF CONSTRUCTION, TESTING COMMISSIONING AND OCCUPANCY OF THE MAGISTRATE SUITE ON THE FOURTH FLOOR.</div> <div>1. PHASE 1 SCOPE IS SHOWN AS 1A WORK OF DEMOLITION AND RECONFIGURED LAYOUT TO INCLUDE PRIVATE OFFICES, CLERESTORY WINDOWS, OPEN WORKSTATIONS, RECEPTION, COPY ROOMS AND STORAGE/CLOSETS. THIS WILL INCLUDE THE COMPLETION OF DOORS, FINISHES, MECHANICAL, ELECTRICAL, FIRE ALARM/FIRE PROTECTION, AV AND DATA.</div> <div>2. PHASE 2 SCOPE IS SHOWN AS 1B WORK OF DEMOLITION AND RECONFIGURED LAYOUT TO INCLUDE PRIVATE OFFICES, CLERESTORY WINDOWS, OPEN WORKSTATIONS, PANTRY AND CLOSETS. THIS WILL INCLUDE THE COMPLETION OF DOORS, FINISHES, MECHANICAL, ELECTRICAL, FIRE ALARM/FIRE PROTECTION, AV, DATA, APPLIACNCES AND PLUMBING.</div>	<div></div>	<div>500 INDIANA AVENUE N.W. WASHINGTON DC 20001</div> <div></div> <div>DC CAPITAL PROJECTS AND FACILITIES MANAGEMENT DIVISION</div> <div>500 INDIANA AVENUE N.W. WASHINGTON DC 20001 202.879.1010 www.dccourts.gov</div> <div>SMITHGROUP</div> <div>1700 NEW YORK AVENUE NW SUITE 100 WASHINGTON, DC 20006 202.842.2100 www.smithgroup.com</div> <div>VOLUME I OF I</div> <div>ISSUED FOR: ISSUED FOR CONSTRUCTION</div> <div>CPFMD Reference #: 0017-01-400-3</div> <div>ISSUE DATE: 06/04/2021</div> <div>12808</div>

OCCUPANT LOAD - AREA OF WORK

APPLICABLE CODES/CRITERIA/DESIGN POLICY:

DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS

DISTRICT OF COLUMBIA BUILDING CODES

DISTRICT OF COLUMBIA BUILDING CODES		
(DCBC)	DISTRICT OF COLUMBIA BUILDING CODE	2015
(DCFC)	DISTRICT OF COLUMBIA FIRE CODE	2015
(DCMC)	DISTRICT OF COLUMBIA MECHANICAL CODE	2015
(DCPC)	DISTRICT OF COLUMBIA PLUMBING CODE	2015

PHASE 1B

FUNCTION OF SPACE	AREA	P/SF	GSF/NSF/FIXED	OCC LOAD
ACCESSORY MECHANICAL AND STORAGE AREAS	57 SF	300	GSF	2
ASSEMBLY USE - UNCONCENTRATED	250 SF	15	NSF	17
BUSINESS USE - GENERAL	4194 SF	100	GSF	42

GENERAL SHEET NOTES




ITEM

A. AREAS OUTSIDE OF THIS SCOPE OF WORK ARE INDICATED IN THE GRAY HATCHED AREA.

B. REFER TO A SERIES DRAWINGS FOR COORDINATION OF PHASING WORK AND TEMPORARY CONSTRUCTION.

DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL,
WHERE SERVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS
OR A GROUP H OCCUPANCY.

OCCUPANT LOAD	MIN. # OF EXITS PER STORY
1-500	2
501-1,000	3
MORE THAN 1,000	4

 ACCESSORY MECHANICAL AND STORAGE AREAS
 ASSEMBLY USE - UNCONCENTRATED
 BUSINESS USE - GENERAL

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 Renovation (Phase 1A and 1B)
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M2H PROTECTION
SECURITY
5100 Buckeystown Pike, S
Frederick, MD 21704
301-371-6047

[illegible]

SEALS AND SIGNATURES

KEYPLAN

PROJECT AREA

SHEET TITLE

**BUILDING CODE ANALYSIS
& LIFE SAFETY PLAN**

12808

PROJECT NUMBER

CD **1.G.001**

SHEET NUMBER

Plot Date:

12808

ARCHITECTURAL ABBREVIATIONS

A AB ANCHOR BOLT ACT ACoustical CEILING TILE ACP ACoustical CEILING PANEL ACS PNL ACCESS PANEL AD AREA DRAIN ADD ADDITIONAL ADH ADHESIVE ADJ ADJUSTABLE ADJ ADJACENT AFF ABOVE FINISH FLOOR AFG ABOVE FINISH GRADE AFS ABOVE FINISH SLAB AGGR AGGREGATE ALUM ALUMINUM ALT ALTERNATE AND AND APPROX APPROXIMATELY ARCH ARCHITECT (URAL) ASPH ASPHALT AVG AVERAGE	G G GAS GAL GALLON GALV GALVANIZED GB GRAB BAR GC GENERAL CONTRACTOR GFRG GLASS FIBER REINFORCED CONCRETE GL GLASS GLU LAM GLUE LAMINATED GLZ GLAZING GR GRADE OR GRADING GRV GRAVEL GYP GYPSUM GYP BD GYPSUM BOARD GYP PLAS GYPSUM PLASTER	Q QT QUARRY TILE QTR QUARTER QTY QUANTITY
B BB BULLETIN BOARD BD BOARD BTWN BETWEEN BTUM BITUMINOUS BLDG BUILDING BLK BLOCK BLKG BLOCKING BM BENCHMARK BOD BASIS OF DESIGN BOT BOTTOM BOS BOTTOM OF STEEL BRG BEARING BSMT BASEMENT BUR BUILT UP ROOFING SYSTEM	H H HIGH HB HOSE BIBB HC HOLLOW CORE HD HEAD HDBD HARDBOARD HDW HARDWARE HNDL HANDRAIL HGT HEIGHT HM HOLLOW METAL HNDL HANDRAIL HORZ HORIZONTAL HPT HIGH POINT HR HOUR HVAC HEATING-VENTILATION-AIR CONDITIONING HW HOT WATER	R R RISER RA RETURN AIR RAD RADIUS RB RESILIENT BASE RCP REFLECTED CEILING PANEL RCPT RECEPTACLE RD ROOF DRAIN RECT RECTANGULAR REF REFERENCE REG REGISTER REIN REINFORCE (D) (ING) (MENT) REQ REQUIRED REQD REQUIREMENT RESIL RESILIENT RET RETURN REV REVISION RF RESILIENT FLOORING RH RIGHT HAND RHS ROUND HEAD MACHINE SCREW RHS ROUND HEAD WOOD SCREW RM ROOM RND ROUND RO ROUGH OPENING RW RIGHT OF WAY RWL RAIN WATER LEADER
C CAB CABINET CB CATCH BASIN CCR CARD CONTROL READER CCTV CLOSED CIRCUIT TELEVISION CG CORNER GUARD CEM CEMENT, CEMENTITIOUS CER CERAMIC CHBD CHALKBOARD CI CAST IRON CJ CONTROL JOINT CL CENTER LINE CLG CEILING CLR CLEAR CMU CONCRETE MASONRY UNIT CNTR CENTER COL COLUMN CONC CONCRETE CONF CONFERENCE CONN CONNECTION CONSTR CONSTRUCTION CONT CONTINUOUS CONTR CONTRACTOR CORR CORRUGATED CPT CARPET CSK COUNTERSINK CSP COMBINATION STANDPIPE CSWK CASEWORK CT CERAMIC TILE CU CUBIC CW COLD WATER	I ID INSIDE DIAMETER IN INCH INCAND INCANDESCENT INCL INCLUDE, INCLUDING INFO INFORMATION INSUL INSULATION INTR INTERIOR INV INVERT ITV INTRAVENOUS TRACK	S SA SUPPLY AIR SB SPLASH BLOCK SC SOLID CORE SCHD SCHEDULE SCRN SCREEN SD STORM DRAIN SE SOUTHEAST SECT SECTION SEG SEGMENT SEP SEPARATION OR SEPARATE SEP JT SEPARATION JOINT SHT SHEET SHEETING SHWR SHOWER SHV SHELVE, SHELVING SIM SIMILAR SK SINK SMS SHEET METAL SCREW SP SPACE, SPACED, SPACING SPEC SPECIFICATION SPR SPRINKLER SPKR SPEAKER SQ SQUARE SS SANITARY SEWER SSK SERVICE SINK SST STAINLESS STEEL ST STREET STA STATION STAG STAGGERED STC SOUND TRANSMISSION COEFFICIENT STD STANDARD STL STEEL STR STORAGE STRUCT STRUCTURAL STS SELF-TAPPING STEEL SUSP SUSPENDED SUSP CLO SUSPENDED CLOTHING SVCE SERVICE SW SOUTHWEST SYMM SYMMETRICAL SYST SYSTEM
D DBL DOUBLE DBL ACT DOUBLE ACTING DEG DEGREE DEMO DEMOLISH DEPT DEPARTMENT DET DETAIL DF DRINKING FOUNTAIN DIA DIAMETER DIAG DIAGONAL DIFF DIFFUSER DIM DIMENSION DIM PT DIMENSION POINT DISP DISPENSER DIST DISTANCE DN DOWN DR DRAIN DS DOWNSPOUT DSP DRY STANDPIPE DTP DRAPERY TRACK DWT DRAWING DWG DRAWINGS EXT EXT	J J JANITOR JT JOINT JT JOINT	T T TREAD T&B TOP AND BOTTOM T&G TONGUE AND GROOVE TC TOP OF CONCRETE, TOP OF CURB TD TRENCH DRAIN TEL TELEPHONE TEMP TEMPORARY THERM THERMAL THK THICK, THICKNESS THRES THRESHOLD THRU THROUGH TMP GL TEMPERED GLASS TO TOP TOP OF RAILING TOS TOP OF STEEL TOT TOTAL TOP OF WALL TOP OF PAVEMENT TTB TELEPHONE TERMINAL BOARD TV TELEVISION TYP TYPICAL
E (E) EXISTING EA EACH EOR EQUIPMENT DRAWING EG EDGE GRADE EIS EXTERIOR INSULATION FINISH SYSTEM EL ELEVATION ELAST ELASTOMERIC ELEC ELECTRICAL ELEV ELEVATOR EMER EMERGENCY ENCL ENCLOSURE ENGR ENGINEER EOS ETHYLENE PROPYLENE DIENE MONOMER EP ELECTRICAL PANEL EPB ELECTRICAL PANEL BOARD EPM EPDM EQ EQUAL EQ SP EQUALLY SPACED EQUIP EQUIPMENT EQUIV EQUIVALENT ESCAL ESCALATOR EST ESTIMATED EWC ELECTRIC WATER COOLER EXC EXCAVATED EXH EXHAUST EXP EXPANSION EXP JT EXPANSION JOINT EXT EXTERIOR	K KG KILOGRAM KIT KITCHEN KPL KICK PLATE KNEE SPACE	U UC UNDER COUNTER UL UNDERWRITERS LABORATORIES UN UNLESS OTHERWISE NOTED UPS UNINTERRUPTIBLE POWER SUPPLY UTIL UTILITY
F FF FACE TO FACE FA FIRE ALARM FAS FIRE ALARM STATION FB FLAT BAR FCU FAN COIL UNIT FD FLOOR DRAIN FDC FIRE DEPARTMENT CONNECTION FDN FOUNDATION FEC FIRE EXTINGUISHER CABINET FEC FIRE EXTINGUISHER CABINET FF FINISH FACE FHC FIRE HOSE CABINET FHFC FLAT HEAD MACHINE SCREW FHMS FLAT HEAD WOOD SCREW FHY FIRE HYDRANT FLAM FLAMMABLE FLASH FLASHING FLEX FLEXIBLE FLUOR FLUORESCENT FNL FACE OF FSB FOLDING SHOWER BENCH FSTNR FASTENER FT FOOT, FEET FTG FOOTING FURN FURNITURE FXTR FIXTURE	L L LENGTH, LONG LAB LABORATORY LAM LAMINATE, LAMINATION LAV LAVATORY LB POUND LED LIGHT EMITTING DIODE LF LINEAR FOOT LG LENGTH LIN LINEAR LL LEAD LINED LPT LOW POINT LT LIGHT LT WT LIGHT WEIGHT LTG LIGHTING LVR LOUVER	V VAC VACUUM VB VALVE BOX VCT VINYL COMPOSITION TILE VERT VERTICAL VEST VESTIBULE VIF VERIFY IN FIELD VIT VITREOUS VP VENT PIPE VOL VOLUME VWC VINYL WALL COVERING
G GAS GALLON GALVANIZED GRAB BAR GENERAL CONTRACTOR GLASS FIBER REINFORCED CONCRETE GLASS GLUE LAMINATED GLAZING GRADE OR GRADING GRAVEL GYPSUM GYPSUM BOARD GYPSUM PLASTER	M M METERS MACH MACHINE MATL MATERIAL MATV MASTER ANTENNA TELEVISION SYSTEM MAX MAXIMUM MB MACHINE BOLT MC MEDICINE CABINET MDO MEDIUM DENSITY OVERLAY MECH MECHANICAL MED MEDIUM MEMB MEMBRANE MFR MANUFACTURER MH MANHOLE MIN MINIMUM MISC MISCELLANEOUS MLDG MILLING MM MILLIMETERS MO MASONRY OPENING MOD MODULE, MODULAR MTD MOUNTED MTG MOUNTING MVB MOVABLE MULL MULLION	W W WEST W WITH W/O WITHOUT WW WALL TO WALL WV WATER CLOSET OR WALL COVERING WD WOOD WID WINDOW WGL WIRE GLASS WCHR WHEELCHAIR WM WIRE MESH WPT WORKING POINT WR WATER RESISTANT WSCOT WAINSCOT WSP WET STANDPIPE WT WEIGHT WTHFRP WEATHERPROOF WTRPRF WATERPROOF WVF WELDED WIRE FABRIC WVM WELDED WIRE MESH
H HIGH HOSE BIBB HOLLOW CORE HEAD HARDBOARD HARDWARE HANDRAIL HEIGHT HOLLOW METAL HANDRAIL HORIZONTAL HIGH POINT HOUR HEATING-VENTILATION-AIR CONDITIONING HOT WATER	N (N) NEW NA NOT APPLICABLE NAT NATURAL NE NORTHEAST NIC NOT IN CONTRACT NOM NUMBER NOMINAL NOMINAL NRC NOISE REDUCTION COEFFICIENT NTS NOT TO SCALE NW NORTHWEST	X XFMR TRANSFORMER
I INSIDE DIAMETER INCH INCANDESCENT INCLUDE, INCLUDING INFORMATION INSULATION INTERIOR INVERT INTRAVENOUS TRACK	O ON CENTER OA OVERALL OD OUTSIDE DIAMETER OFC OWNER FURNISHED CONTRACTOR INSTALLED OFOI OWNER FURNISHED-OWNER INSTALLED OPP OPPOSITE ORD OVERFLOW ROOF DRAIN OVHD OVERHEAD OUNCE	Y YD YARD
J JANITOR JOINT JOINT	P PA PUBLIC ADDRESS PART PART PBD PARTICLEBOARD PBK POUNDS PER CUBIC FOOT PCF POUNDS PER CUBIC INCH PERF PERFORATED PERM PERMEANT PERP PERPENDICULAR PI POINT OF INTERSECTION PL PLATE PLAM PLASTIC LAMINATE PLAS PLASTER PLUMB PLUMBING PLF POUNDS PER LINEAR FOOT PLYWD PLYWOOD PNEU PNEUMATIC PNL PANEL PNL BD PANEL BOARD PNT PAINT PORT PORTABLE PP PUSH PLATE PPM PARTS PER MILLION PR PRECAST PREP PREPARATION PREFAB PREFABRICATION PRKG PARKING PROJ PROJECT PROP PROPERTY PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PT POINT PTN PARTITION PTS PNEUMATIC TUBE STATION PVC POLYVINYL CHLORIDE PVG PAVING PVMT PAVEMENT PWR POWER	

ARCHITECTURAL FLOOR PLAN SYMBOLS

DIMENSION SYMBOLS DIMENSION SHOWN TO: - STRUCTURAL GRID - LAYOUT GRID - CENTERLINE OF ASSEMBLY - CENTER OF OPENING - CENTER OF EQUIP/FURN DIMENSION SHOWN TO: - PARTITION ASSEMBLY - EDGE OF DOOR OPENING - OTHER BUILDING ELEMENT - WORKING POINT INDICATED ON DETAIL	FIRE EXTINGUISHER SYMBOLS PLUMBING SYMBOLS
GENERAL SYMBOLS 	

ARCH REFLECTED CEILING PLAN SYMBOLS

ARCHITECTURAL 	MECHANICAL
ELECTRICAL 	
MISCELLANEOUS 	

MODULAR LAYOUT / DETAIL NUMBER

	DETAIL MODULE LAYOUT DETAILS ARE NUMBERED ACCORDING TO THEIR LOCATION ON EACH SHEET AND ARE NOT NUMBERED CONSECUTIVELY. EACH MODULE MAINTAINS THE NUMBER ASSOCIATED WITH IT. THIS SYSTEM CAN BE APPLIED TO ANY SHEET THAT CONTAINS MULTIPLE IMAGES. THE IMAGES ARE NUMBERED ACCORDING TO THE MODULE SYSTEM SHOWN ILLUSTRATED TO THE LEFT. EACH DETAIL MAY OCCUPY ONE OR MORE WHOLE MODULES. THE DETAIL MODULE IS USED TO ESTABLISH THE IDENTIFYING LABEL FOR EACH DETAIL, NOT TO LIMIT THE SIZE OF THE DETAIL.
	DETAIL NUMBERING EXAMPLE THE NUMBER OF THE MODULE WHICH OCCURS IN THE LOWER LEFT CORNER OF A SINGLE MODULE OR SEVERAL MODULES GROUPED TOGETHER WILL DEFINE THE FINAL DETAIL NUMBER AS SHOWN IN THE ILLUSTRATION TO THE LEFT. ALTHOUGH THE MODULE NUMBERS OCCUR IN CONSECUTIVE ORDER, NOT ALL NUMBERS ARE NECESSARILY USED ON EACH SHEET.

ARCHITECTURAL REFERENCE SYMBOLS

BUILDING SECTION 	REVISION NUMBER AND EXTENT
	ARCHITECTURAL DEMOLITION SYMBOLS
	DOOR AND INTERIOR OPENING SYMBOLS

PROJECT GENERAL NOTES

- A. UNLESS OTHERWISE INDICATED BY THESE CONSTRUCTION DOCUMENTS, ALL NEW ITEMS OF CONSTRUCTION ARE TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR AND/OR HIS SUBCONTRACTORS. THE TERMS "FURNISH", "INSTALL", "PROVIDE", AND ANY DERIVATIONS THEREOF USED IN THE CONSTRUCTION DOCUMENTS, ARE DIRECTING THE CONTRACTOR TO BOTH FURNISH AND INSTALL ANY GIVEN ITEM AND ITS INCIDENTAL MATERIALS UNLESS OTHERWISE NOTED.
- B. CONTRACTOR IS REQUIRED TO SURVEY AND CONFIRM ALL EXISTING CONDITIONS WITHIN THE PROJECT SCOPE AND ALL AFFECTED AREAS.
- THE WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, THE FOLLOWING:
1. THE CLEANING AND PREPARATION OF SURFACES TO RECEIVE NEW FINISHES OR CONSTRUCTS AS INDICATED BY THE CONSTRUCTION DOCUMENTS. PREPARATION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS OF THE RESPECTIVE MANUFACTURER.
 2. THE INSTALLATION OF NEW WORK AS INDICATED BY THE CONSTRUCTION DOCUMENTS. NEW WORK MAY INCLUDE INSTALLATION OF ITEMS ALREADY STORED ON SITE, OR ARE REQUIRED TO BE FURNISHED AND INSTALLED, UNLESS OTHERWISE NOTED. NEW WORK IS TO BE FURNISHED AND INSTALLED. FOR ITEMS STORED ON SITE, CONTRACTOR SHALL CONFIRM THAT ALL COMPONENTS, ANCHORS, TRIMS, ETC. ARE AVAILABLE FOR INSTALLATION.
 3. THE INSTALLATION OF DOORS AND HARDWARE AS INDICATED BY THE CONSTRUCTION DOCUMENTS.
 4. THE INSTALLATION OF FINISHES AND ACCESSORIES AS INDICATED BY THE CONSTRUCTION DOCUMENTS.
 5. THE INSTALLATION OF LIGHT FIXTURES AND OTHER CEILING MOUNTED DEVICES INDICATED BY THE CONSTRUCTION DOCUMENTS TOGETHER WITH ALL MATERIALS INCIDENTAL THERETO.
 6. THE INSTALLATION OF FIRE AND LIFE SAFETY DEVICES AS INDICATED BY THE CONSTRUCTION DOCUMENTS.
 7. COORDINATION OF WORK WITH THE DC COURT'S SECURITY VENDOR FOR FULL ACTIVATION OF EXISTING CARD READERS, WHETHER SPECIFICALLY NOTED IN PLAN OR NOT.
 8. THE REPAIR AND/OR REPLACEMENT OF EXISTING CONSTRUCTION TO REMAIN THAT WAS DAMAGED AS A RESULT OF THE WORK.
 9. THE REPAIR AND/OR COMPLETION OF EXISTING CONSTRUCTION THAT WAS PREVIOUSLY INSTALLED IMPROPERLY OR INCORRECTLY AS INDICATED BY THE CONSTRUCTION DOCUMENTS.
 10. VERIFICATION OF EXISTING AND NEW CONSTRUCTION FOR PROPER OPERATION AND INSTALLATION WITHIN THE AREA OF WORK.



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ARCHITECTURAL GENERAL NOTES

- THE FOLLOWING GENERAL NOTES APPLY TO ALL ARCHITECTURAL SERIES SHEETS. FOR GENERAL NOTES APPLICABLE TO ALL SHEETS REFER TO THE "PROJECT GENERAL NOTES".
- A. THE ARCHITECTURAL SERIES SHEETS ARE PART OF A SHOWN SET OF CONSTRUCTION DOCUMENTS DESCRIBING THE WORK FOR THIS PROJECT. USERS OF THESE DOCUMENTS ARE RESPONSIBLE TO REVIEW ALL CONSTRUCTION DOCUMENTS TO UNDERSTAND AND COORDINATE THE GRAPHIC AND ANNOTATED INFORMATION PROVIDED IN THESE ARCHITECTURAL SERIES SHEETS.
- B. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATIONS SHOWN, DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE SHOWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE DRAWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES, AND SPECIFICATIONS.

REFERENCE ELEVATION DEFINITIONS

- A. THE TERM "REFERENCE" ELEVATION OR DIMENSIONS REFERS TO A NOMINAL WORK POINT. THE ACTUAL ELEVATION MAY VARY FROM THE REFERENCE POINT. REFER TO APPLICABLE DETAIL TO DETERMINE THE RELATIONSHIP BETWEEN THE ACTUAL ELEVATION OR DIMENSION AND THE STATED REFERENCE POINT.
- B. THE DESIGN REFERENCE ELEVATION +0' 0" SHOWN ON THE ARCHITECTURAL DRAWINGS CORRESPONDS TO THE FINISH FLOOR ELEVATION OF THE GROUND FLOOR. ESTABLISH THE ACTUAL ELEVATION WITH RESPECT TO SITE-SPECIFIC BENCHMARKS AND CONTROL POINTS AS DEFINED IN THE CIVIL DRAWINGS.
- C. "FINISH FLOOR" ELEVATIONS ARE MEASURED AT THE TOP OF THE CONCRETE FLOOR SLAB UNLESS OTHERWISE NOTED. APPLIED FINISHES SUCH AS RESILIENT FLOORING OR CARPET MAY RAISE THE ACTUAL FINISH SURFACE ABOVE THE REFERENCE ELEVATION PROVIDED FOR THE FINISH FLOOR.
- D. CEILING HEIGHT ELEVATIONS ARE MEASURED TO BOTTOM OF FINISH SURFACES AND STATED IN RELATION TO DISTANCE ABOVE THE REFERENCE ELEVATION FOR THE FINISH FLOOR UNLESS OTHERWISE NOTED.

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ARCHITECTURAL ASSEMBLY SYSTEMS REFERENCE

FIRE RESISTIVE RATING INDICATION	ARCHITECTURAL SYMBOL NOTES
	A. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE AND DEFINE TYPICAL GRAPHIC SYMBOLS WHICH MAY TYPICALLY OCCUR ON THE ARCHITECTURAL DRAWINGS. B. ADDITIONAL SYMBOLS NOT SHOWN OR DEFINED ON THIS SHEET MAY BE USED ON THE ARCHITECTURAL DRAWINGS AND ARE TYPICALLY DEFINED ON OTHER SHEETS. C. SYMBOLS ARE NOT DRAWN TO SCALE. TO DETERMINE THE ACTUAL SIZES OF ELEMENTS REPRESENTED BY SYMBOLS, REFER TO THE SPECIFICATIONS AND OTHER SHEETS, AS MAY APPLY.

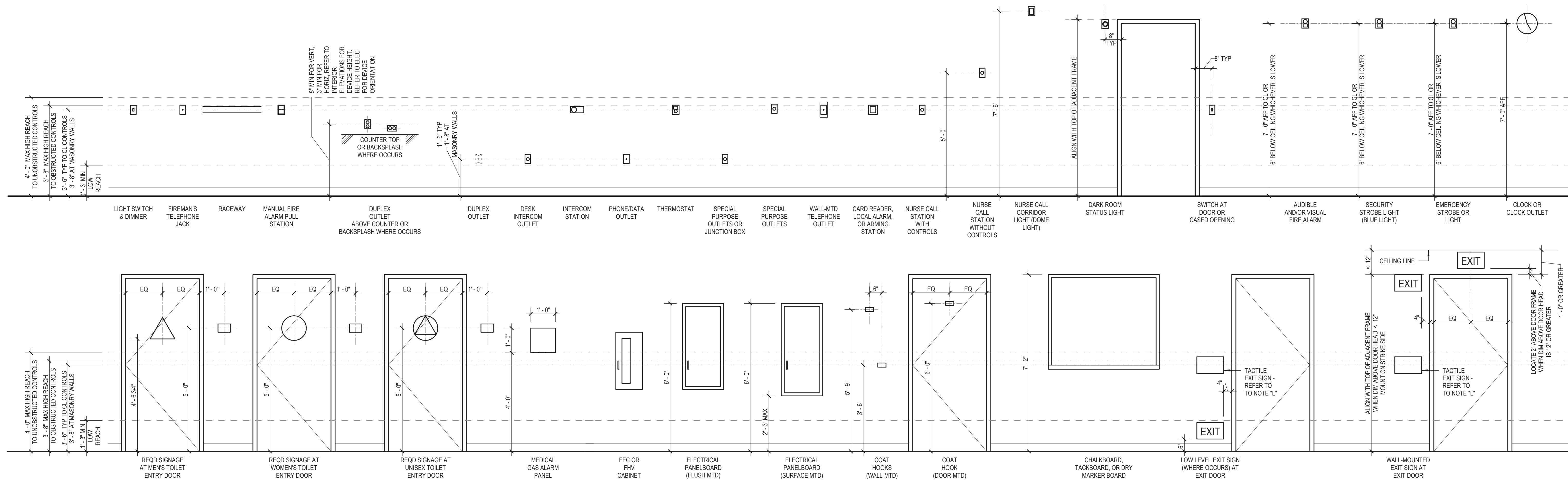
ARCHITECTURAL MATERIAL INDICATIONS

PLAN AND SECTION 	ELEVATION
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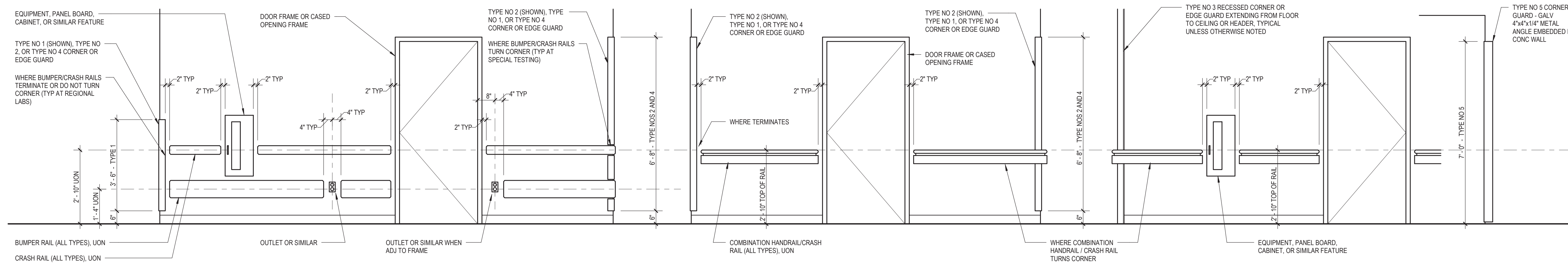
SHEET TITLE
ABBREVIATIONS AND SYMBOLS

PROJECT NUMBER
CD
SHEET NUMBER
12808
1A.001

TYPICAL MOUNTING HEIGHTS AND CLEARANCES



CORNER GUARD / BUMPER RAIL / CRASH RAIL / CORRIDOR HANDRAIL TYPICAL MOUNTING HEIGHTS AND CONFIGURATION DIAGRAMS



ARCHITECTURAL DIMENSIONING CONVENTIONS

- | | | | | |
|--|---|---|--|--|
| <p>EXCEPT WHERE DIRECTED TO PLACE ITEMS TO THE ARCHITECT'S "APPROXIMATE LOCATION SHOWN," DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION.</p> | <p>3. NOTE NO 3 CONTINUED:</p> <p>B. REFER TO SHEET A01 FOR SYMBOL USED TO INDICATE CENTERLINE DIMENSION.</p> | <p>3. NOTE NO 3 CONTINUED:</p> <p>F. WHERE "EQUAL" DIMENSIONS ARE USED ON REFLECTED CEILING PLANS TO LOCATE CEILING GRID WORK POINTS, MEASURE DIMENSIONS TO:</p> <ul style="list-style-type: none"> FINISH FACES AT THE WIDEST OR MOST EXPANSIVE POINTS OF THE SECTION THE DIMENSION IS SHOWN WHEN THE DIMENSION OCCURS ACROSS AN OBJECT OR GROUP OF OBJECTS. | <p>4. NOTE NO 4 CONTINUED:</p> <p>C. WHERE DOOR OCCURS NOT ADJACENT TO A PERPENDICULAR WALL AND EITHER "DIM E" OR "DIM F" IS 16" 0" OR LESS, LOCATE DOOR UTILIZING THE FOLLOWING MINIMUM DIMENSIONS</p> <ul style="list-style-type: none"> DIMENSION A = 18 INCHES MIN DIMENSION B = 12 INCHES MIN DIMENSION C = DOOR WIDTH + 2 INCHES MINIMUM DIMENSION D = 4 INCHES MIN AT METAL FRAMED GYP BD PARTITIONS OR, EVEN MULTIPLE OF 1/2 CMU MODULE PLUS 2 INCHES AT CONC MASONRY UNIT WALLS DIMENSIONS E AND F AS SHOWN ON PLANS DIMENSION G = 36 INCHES MIN DIMENSION H = 60 INCHES MIN | <p>4. NOTE NO 4 CONTINUED:</p> <p>D. IF "DIM E" IN DIAGRAM IS GREATER THAN THE SUM OF WIDTH PLUS 20 INCHES SO THAT MINIMUM DIMENSIONS ARE NO 4 ABOVE FOR "DIM D" ARE MET "DIM A" AND MINIMUM THE EXTENT POSSIBLE</p> <p>E. WHERE DOOR IS SHOWN LARGE EXPANSION OF "E" AND "DIM F" IN BOTH EXCEED 16" 0" AT APPROXIMATELY THE PLANS, WHEN CMU WALL, PLACE APPROXIMATE LOCATION MINIMIZING "CUT" OF MODULES ADJACENT</p> |
| <p>2. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN OR NOTED ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, SCHEDULES, CONFIGURATION DETAILS, AND SPECIFICATIONS. SEE THE NOTES BELOW AND SYMBOLS ON SHEET A01 FOR DIMENSIONING CONVENTIONS USED ON THIS PROJECT.</p> | <p>C. DIMENSIONS UTILIZING THE "FACE OF" SYMBOL ARE MEASURED TO:</p> <ul style="list-style-type: none"> FACE OF CONCRETE OR CONC MASONRY UNIT WALL (EXCLUSIVE OF APPLIED FINISHES HAVING THICKNESS OR FURRING WHICH MAY BE ADDED TO THE FACE OF SUCH WALLS) FACE OF PARTITION ASSEMBLY (EXCLUSIVE OF ANY APPLIED FINISHES HAVING THICKNESS WHICH MAY BE ADDED TO SUCH WALLS) AS DEFINED BY THE PARTITION SCHEDULE, UNLESS NOTED AS A "FACE OF FINISH" OR "CLEAR" DIMENSION (SEE NOTE E" BELOW, DIMENSIONS ARE NOT MEASURED TO THE FACE OF APPLIED FINISH. REFER TO THE "PARTITION SCHEDULE" TO DETERMINE THE THICKNESS OF EACH PARTITION TYPE. INSIDE EDGE OF FINISHED DOOR OPENING. REFER TO THE "DOOR SCHEDULE" FOR ADDITIONAL DIMENSIONAL INFORMATION. DIMENSION OR WORK POINT AS INDICATED ON RELATED ARCH DETAIL PLAN, SECTION, ELEVATION, LAYOUT OR CONFIGURATION DETAIL, OR CONSTRUCTION DETAIL. | <p>F. WHERE "EQUAL" DIMENSIONS ARE USED ON REFLECTED CEILING PLANS TO LOCATE CEILING GRID WORK POINTS, MEASURE DIMENSIONS TO:</p> <ul style="list-style-type: none"> EDGE OF THE INDICATED CEILING AT THE FACE OF THE ADJACENT APPLIED FINISH MEASURED AT THE PLANE OF THE CEILING. CAUTION: DUE TO THE POSSIBLE APPLICATION OF APPLIED FINISHES - THICKNESS OF WHICH MAY VARY BETWEEN FLOOR AND CEILING AND IS NOT ACCOUNTED FOR EXCEPT AS INDICATED BY "TOP" OR "CLEAR" BY THE DIMENSION SHOWN ON THE FLOOR PLANS - THE CONTRACTOR MUST ADJUST, AS NECESSARY, THE FLOOR PLAN DIMENSIONS TO REFLECT THE ACTUAL DIMENSIONS FOUND AT PLANE OF THE CEILING. | <p>A. DOOR OPENINGS MAY BE DIMENSIONED ON DRAWINGS OTHER THAN THE FLOOR PLANS. REFER TO THE SECTIONS, ELEVATIONS, DETAILS, AND DOOR SCHEDULE NOTES FOR ADDITIONAL DIMENSIONAL INFORMATION.</p> <p>B. WHERE THE HINGE SIDE OF A DOOR IS SHOWN ADJACENT TO A WALL - OR WALLS - PERPENDICULAR TO THE WALL IN WHICH THE DOOR OPENING OCCURS:</p> <p>AT DOORS OCCURRING IN METAL FRAMED GYPSUM BOARD PARTITIONS, LOCATE THE HINGE-SIDE OF THE DOOR FINISHED OPENING 4 INCHES FROM THE FACE (EXCLUSIVE OF APPLIED FINISHES) OF THE CLOSEST PERPENDICULAR WALL OR PARTITION ASSEMBLY.</p> <p>AT DOORS OCCURRING IN WALLS OF CONC MASONRY UNIT CONSTRUCTION, LOCATE THE HINGE-SIDE OF THE DOOR FINISHED OPENING 10 INCHES FROM THE FACE (EXCLUSIVE OF APPLIED FINISHES) OF THE CLOSEST PERPENDICULAR WALL OR PARTITION ASSEMBLY.</p> | <p>5. IF SPACE ALLOWS, CENTER DOOR IN WALL SHOWN ON THE DRAWINGS SO THAT EITHER "DIM A" EQUALS "DIM C" OR "DIM B" EQUALS "DIM D".</p> <p>- CONTINUED AT TOP OF NEXT COLUMN</p> |
| <p>3. EXCEPT WHERE SPECIFICALLY NOTED TO THE CONTRARY, ALL DIMENSIONS SHOWN ON THE ARCHITECTURAL DRAWINGS CONFORM TO THE FOLLOWING CONVENTIONS:</p> <p>A. DIMENSIONS UTILIZING THE "CENTERLINE" SYMBOL ARE MEASURED TO:</p> <ul style="list-style-type: none"> STRUCTURAL OR DIMENSIONAL GRID LINES. CENTERLINE OF CONCRETE OR CONC MASONRY UNIT WALLS (EXCLUSIVE OF FURRING OR APPLIED FINISHES HAVING THICKNESS). REFER TO THE ARCH PLANS AND SECTIONS, THE STRUCT DRAWINGS, OR PARTITION SCHEDULE TO DETERMINE THE THICKNESS OF CONCRETE OR CONC MASONRY UNIT WALLS. CENTERLINE OF PARTITION ASSEMBLY (EXCLUSIVE OF ANY APPLIED FINISHES HAVING THICKNESS WHICH MAY BE ADDED TO SUCH WALLS) AT PARTITIONS FRAMED WITH METAL STUDS. REFER TO "PARTITION SCHEDULE" TO DETERMINE THICKNESS OF EACH PARTITION TYPE. CENTERLINE OF DOOR, WINDOW, OR LOUVER OPENING. CENTERLINE OF EQUIPMENT OR FURNISHING. CENTERLINE OF OTHER FEATURES AS INDICATED. <p>- CONTINUED AT TOP OF NEXT COLUMN</p> | <p>D. REFER TO SHEET A01 FOR SYMBOL USED TO INDICATE "FACE OF" DIMENSION.</p> <p>E. WHERE "FACE OF FINISH" OR "CLEAR" DIMENSIONS ARE SPECIFICALLY NOTED, THE DIM IS MEASURED TO:</p> <ul style="list-style-type: none"> FINISH FACES AT THE MOST NARROW OR CONSTRICTED POINTS OF SECTION WHERE DIMENSION IS SHOWN, WHEN THE DIMENSION OCCURS ACROSS AN OPEN SPACE. THIS CASE A "FACE OF FINISH" DIMENSION IS EQUIVALENT TO A "CLEAR" DIMENSION. | <p>4. TYPICAL DIM ON CEILING PLAN MEASURED TO FACE OF PTN</p> <p>4. TYPICAL DIM ON CEILING PLAN MEASURED TO FACE OF PTN</p> | <p>4. TYPICAL DIM ON CEILING PLAN MEASURED TO FACE OF PTN</p> <p>4. TYPICAL DIM ON CEILING PLAN MEASURED TO FACE OF PTN</p> | <p>4. TYPICAL DIM ON CEILING PLAN MEASURED TO FACE OF PTN</p> <p>4. TYPICAL DIM ON CEILING PLAN MEASURED TO FACE OF PTN</p> |

GENERAL MOUNTING HEIGHT NOTES

- A. IT IS THE INTENT OF THE DESIGN THAT ALL ITEMS SHOWN MOUNTED AT TYPICAL HEIGHTS BE ACCESSIBLE TO PERSONS WITH DISABILITIES.
- B. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE TYPICAL MOUNTING HEIGHTS AS APPLICABLE TO SPECIFIC, TYPICAL MINIMUM OR MAXIMUM CLEARANCES AND/OR TYPICAL MOUNTING CONFIGURATIONS FOR A VARIETY OF ITEMS. THE PURPOSE OF THIS SHEET IS NOT TO SPECIFY HEIGHTS AND CONFIGURATIONS WHICH DO NOT OCCUR AS PART OF THE WORK OF THIS PROJECT. REFER TO THE PLANS, ELEVATIONS, SECTIONS, DETAILS, AND SCHEDULES TO DETERMINE WHICH ITEMS AND CONFIGURATIONS APPLY TO THE WORK OF THIS PROJECT.
- C. NOT ALL PROJECT ITEMS MAY BE REPRESENTED ON THIS SHEET. FOR ITEMS WITH OPERABLE PARTS NOT SHOWN ON THIS SHEET, THE ITEM SHALL BE REPRESENTED SUCH THAT THE OPERABLE PART IS A MAXIMUM OF 42" ABOVE FINISH FLOOR UNLESS SPECIFICALLY NOTED OR DIMENSIONED OTHERWISE.
- D. THE MOUNTING HEIGHTS, CLEARANCES, AND CONFIGURATIONS SHOWN ON THIS SHEET ARE TYPICAL AND SHALL APPLY TO ALL INSTANCES OF THE ITEM (OR GROUP OF ITEMS) SHOWN UNLESS SPECIFICALLY NOTED OR DIMENSIONED OTHERWISE.
- E. SPECIAL OR NON-TYPICAL MOUNTING HEIGHTS OCCUR ONLY WHERE INDICATED BY ANNOTATED SYMBOLS; BY KEY NOTES; BY NOTES ON PLANS, ELEVATIONS, OR DETAILS; OR BY UNIQUE DIMENSIONS ON ELEVATIONS OR DETAILS.
- F. FOR ADDITIONAL INFORMATION REGARDING THE SEQUENCE OF DRAWINGS, REFER TO THE EXACT LOCATION OF EACH EXPOSED PART OF THE WORK, REFER TO THE "ARCHITECTURAL GENERAL NOTES" AND TO THE "GENERAL NOTES" FOR ADDITIONAL INFORMATION, AND LOCATIONS LOCATED PER THE INDEX OF DRAWINGS IN THIS SET.
- G. TYPICAL MOUNTING HEIGHTS MAY BE ILLUSTRATED BY OTHER DRAWING SERIES, SUCH AS Q SERIES, REFER TO THE INDEX OF DRAWINGS FOR ADDITIONAL INFORMATION.
- H. MOUNTING CONFIGURATION DIAGRAMS ARE ELEVATIONS WHICH ILLUSTRATE TYPICAL RULES GOVERNING THE RELATIONSHIPS BETWEEN, AND PLACEMENT OF, ITEMS SHOWN IN GROUPS. ITEMS ARE SHOWN IN CLOSE PROXIMITY TO OTHER PARTS OF THE WORK (SUCH AS SWITCHES AND DOOR FRAMES), UNLESS OTHER MOUNTING CONFIGURATIONS ARE SPECIFICALLY NOTED OR DIMENSIONED, OR ELEVATED. THE TYPICAL RELATIONSHIPS, ARRANGEMENTS, AND THE TYPICAL CONFIGURATION DIAGRAMS APPLY THROUGHOUT THE WORK OF THIS PROJECT.
- J. TYPICAL MOUNTING CONFIGURATIONS FOR ADDITIONAL GROUPS NOT SHOWN ON THIS MAY BE SHOWN ON OTHER SHEETS. REFER TO THE "INDEX OF DRAWINGS" FOR ADDITIONAL INFORMATION.
- K. FOR DEFINITION OF CORNER (OR EDGE) GUARDS TYPE N/O'S REFER TO THE APPLIED FINISH SCHEDULE ON SHEET A9.1. TYPE N CORNER GUARDS ARE 4"x14"x1" METAL ANGLE EMBEDDED IN CONCRETE WALL. SEE NOTED DETAILS.
- L. A TACTILE EXIT SIGN PROVIDING "EXIT" AND COMPLYING WITH ICC A117.1 SHALL BE STATED ABOVE EACH DOOR TO AN AREA OF REFUGE, AN EXIT STAIRWAY, AN EXIT RAMP, AN EXTERIOR AREA FOR PEDESTRIAN USE, AN EXIT PASSAGEWAY AND THE EXIT EXTERIOR.
- M. REFER TO RULE 16 ON A4.4 FOR ITEM MOUNTING HEIGHTS IN MASONRY PARTITIONS.



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[illegible]

SEALS AND SIGNATURES

SHEET TITLE

TYPICAL MOUNTING
HEIGHTS AND
DIMENSIONING
CONVENTIONS

PROJECT NUMBER
CD
SHEET NUMBER

1.A.003

12808



	NOT IN SCOPE
	EXISTING PARTITION
	NEW PARTITION
	NEW MILLWORK

A.	REFER TO THE A0 SERIES SHEETS FOR ARCHITECTURAL GENERAL NOTES, DRAWING, REFERENCE AND MATERIAL SYMBOLS, ABBREVIATIONS, AS WELL AS DIMENSIONING CONVENTIONS USED ON THIS SHEET.	F.	REFER TO THE A2 SERIES SHEETS FOR INTERIOR FINISH INFORMATION.
B.	FOR BASIC LIFE SAFETY AND CODE COMPLETION APPLYING TO THIS PROJECT, REFER TO THE A000 SERIES SHEETS LOCATED PER THE PROJECT SHEET INDEX.	G.	REFER TO THE A9 SERIES SHEETS FOR INTERIOR FURNISHING INFORMATION.
C.	REFER TO THE A2 SERIES SHEETS FOR THE REFLECTED CEILING PLANS.	H.	DO NOT SCALE THESE DRAWINGS. FIELD VERIFY ANY DIMENSIONS DEEMED, OR NOTED AS BEING, CRITICAL.
D.	REFER TO THE A9 SERIES SHEETS FOR PARTITION SYSTEMS TYPES AND DETAILS.	I.	VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT JOB SITE AND ADVISE THE ARCHITECT OF ANY DISCREPANCIES, ADDITIONS, DELETIONS AND/OR ALTERATIONS IN ANY OR ALL CONDITIONS BEFORE PROCEEDING WITH ANY PHASE OF THE WORK.
E.	REFER TO THE A9 SERIES SHEETS FOR THE INTERIOR OPENING SCHEDULE(S), TYPES, AND DETAILS.	J.	UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE FROM FINISH FACE TO FINISH FACE.

A2-01	COORDINATE AND EXTEND GYB BY 0100 PART 4 ABOVE CEILING HEIGHT AT PERIMETER AS REQUIRED.	A2-14	COORDINATE WITH IT, ELEC DRAWINGS AND SPECS FOR FIRE RATED PLYWOOD REQUIREMENTS.
A2-02	PATCH AND REPAIR NEW PARTITION AT DEMOLISHED AREA TO MATCH ADJACENT PARTITION.	A2-15	PROVIDE BLOCKING AS REQUIRED FOR TV MOUNTING. COORDINATE LOCATION OF MOUNTING BRACKET WITH TV OUTLETS. REFERTO VA DRAWING FOR ADDITIONAL INFORMATION.
A2-06	EXTENTS OF PHASE 1B WORK TO BE COORDINATED WITH 1B EXISTING CONDITIONS.	A2-110	DEMO EXTENTS OF EXISTING INTERIOR DRYWALL DURING PHASE 1A PER ACM ABSTRACT SPECIFICATIONS. PREP FOR NEW TO MATCH EXISTING REQUIREMENTS.
A2-07	EXTENTS OF PHASE 1B WORK TO BE COORDINATED WITH 1A WORK.		
A2-10	PROVIDE 2 LAYERS OF NEW DRYWALL TO MATCH EXISTING PARTITION REQUIREMENTS.		
A2-12	GO TO PROVIDE TEMPORARY FINISHED PARTITION PRIOR TO CONSTRUCTION AND TO BE REMOVED AT COMPLETION OF ALL PHASES OF WORK AS REQUIRED. COORDINATE WITH PARTITION LAYOUT WITH EXTENTS OF WORK. PROVIDE OPENING FOR SUITE ACCESS AS REQUIRED.		





ARCHITECTURAL		MECHANICAL		ELECTRICAL			
	2'X2' LAY IN ACOUSTIC TILE CEILING - ACT-1		SUPPLY GRILLE		2'X2' LIGHTING FIXTURE		EXIT SIGN, SINGLE-SIDED
	GYPSUM BOARD		RETURN GRILLE		1'X4' LIGHTING FIXTURE		EXIT SIGN, DOUBLE-SIDED
	ACCESS PANEL		EXHAUST GRILLE		LIGHTING STRIP FIXTURE		FIRE ALARM
			LINEAR DIFFUSER		RECESSED DOWN LIGHT		SPEAKER
			SPRINKLER HEAD - CLG MOUNT		WALL WASH		SMOKE DETECTOR
			SPRINKLER HEAD - WALL MOUNT				WIRELESS INTERNET

<p>A. THE A-SERIES DRAWINGS ESTABLISH AND COORDINATE THE FINISHED APPEARANCE AND LOCATION OF ALL EXPOSED ELEMENTS. THE A-SERIES DRAWINGS ESTABLISH THE FINISHED APPEARANCE AND LOCATION OF ALL PARTS OF THE WORK. EXCEPTION: DIMENSIONED LOCATIONS SHOWN ON DRAWINGS OF OTHER DISCIPLINES SHALL GOVERN UNLESS OTHERWISE SPECIFICALLY AND INDIVIDUALLY INDICATED BY SYMBOL, KEYED NOTE, OR NOTATION ON THE ARCHITECTURAL DRAWINGS. 2. OCCURRING WITHIN A ROOM OR OTHER IDENTIFIABLE SPACE FOR WHICH ARCH SHEET OR SCHEDULE NOTES INDICATE THAT DIMENSIONS PROVIDED ELSEWHERE SHALL GOVERN.</p>	<p>C. THE A-SERIES FLOOR PLANS, REFLECTED CEILING PLANS, SECTIONS, ELEVATIONS, AND DETAILS ILLUSTRATE THE DIMENSIONED LOCATION OF MANY, BUT NOT ALL, EXPOSED PARTS OF THE WORK. APPLY THE RULES ON THIS SHEET - IN ORDER - TO DETERMINE THE LOCATION OF EXPOSED PART OF THE WORK.</p> <ol style="list-style-type: none"> 1. WHEN UNIQUELY AND SPECIFICALLY DIMENSIONED ON THE A-SERIES PLANS, SECTIONS, OR ELEVATIONS (OR COMBINATION THEREOF), LOCATE AS DIMENSIONED. 2. IF NOT SHOWN, OR IF SHOWN BUT NOT DIMENSIONED, BY THE A-SERIES PLANS OR ELEVATIONS, LOCATE AS INDICATED BY THE APPLICABLE RULE. 	<p>F. REFER TO THE "PROJECT GENERAL NOTES" FOR ADDITIONAL NOTES WHICH APPLY TO THE ENTIRE PROJECT.</p>
<p>B. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE TYPICAL RULES WHICH GOVERN THE LOCATION, CONFIGURATION IN RELATIONSHIP TO OTHER ELEMENTS OF THE WORK, AND FINISHED ADJUNCT OF ALL ITEMS OCCURRING ON REFLECTED CEILING PLANS OF THE PROJECT.</p>	<p>D. REFER TO THE "ARCHITECTURAL GENERAL NOTES" FOR ADDITIONAL NOTES WHICH MAY BE APPLICABLE TO THE WORK</p>	

A3-07 (24) FULL ACT CENTERED IN ROOM.
A3-08 COORDINATE CEILING WITH ADJACENT PHASE WORK.
A3-09 REFER TO E SERIES DRAWINGS FOR UNDERCABINET LIGHTING.



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SEALS AND SIGNATURES

SHEET TITLE

INTERIOR ELEVATIONS

1.A.801





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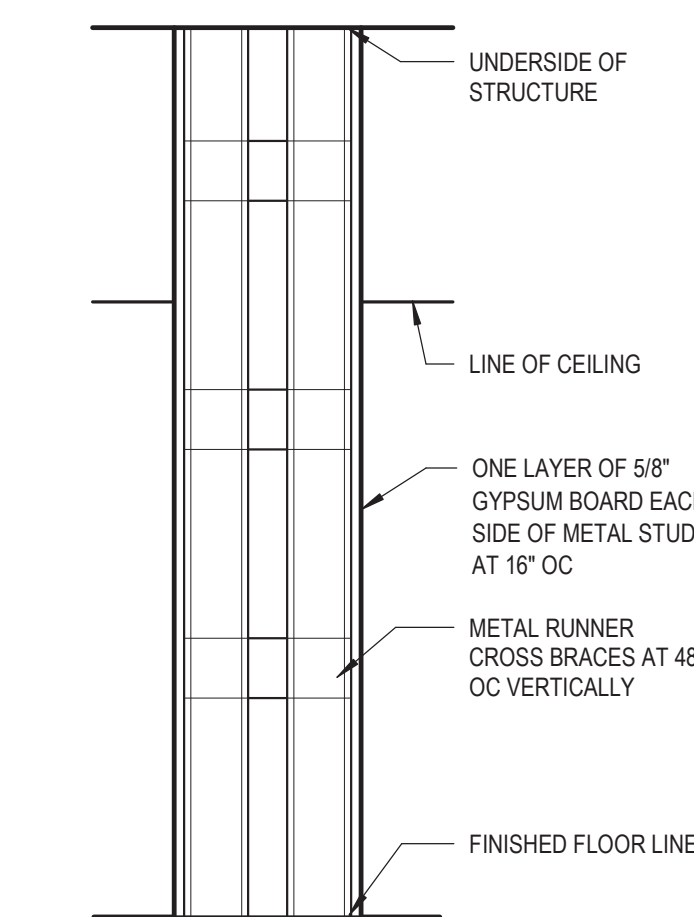
SEALS AND SIGNATURES

SHEET TITLE

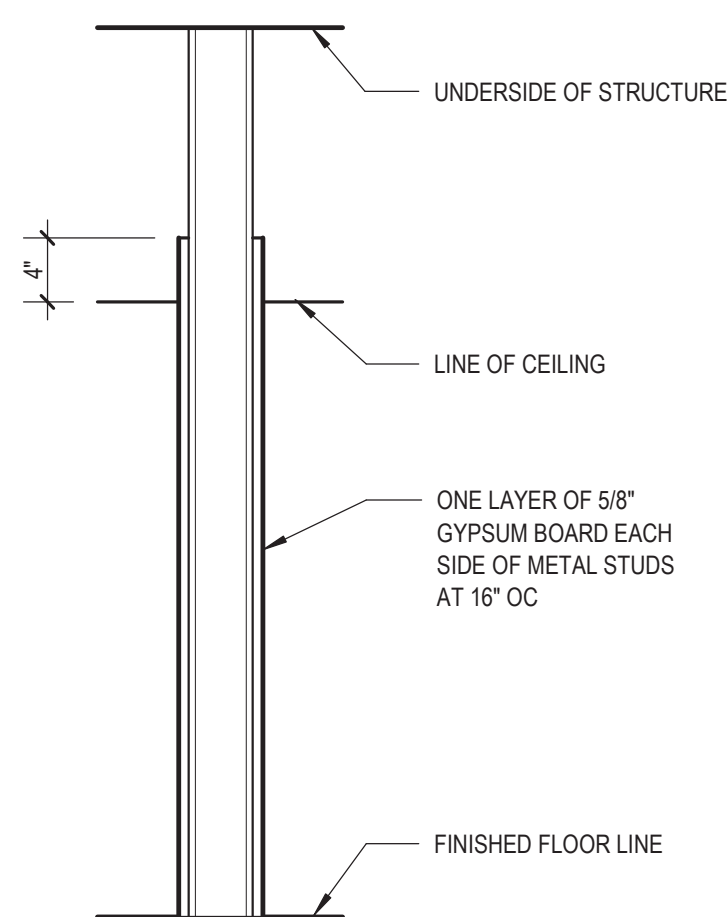
FINISH SCHEDULE

PROJECT NUMBER
CD
SHEET NUMBER

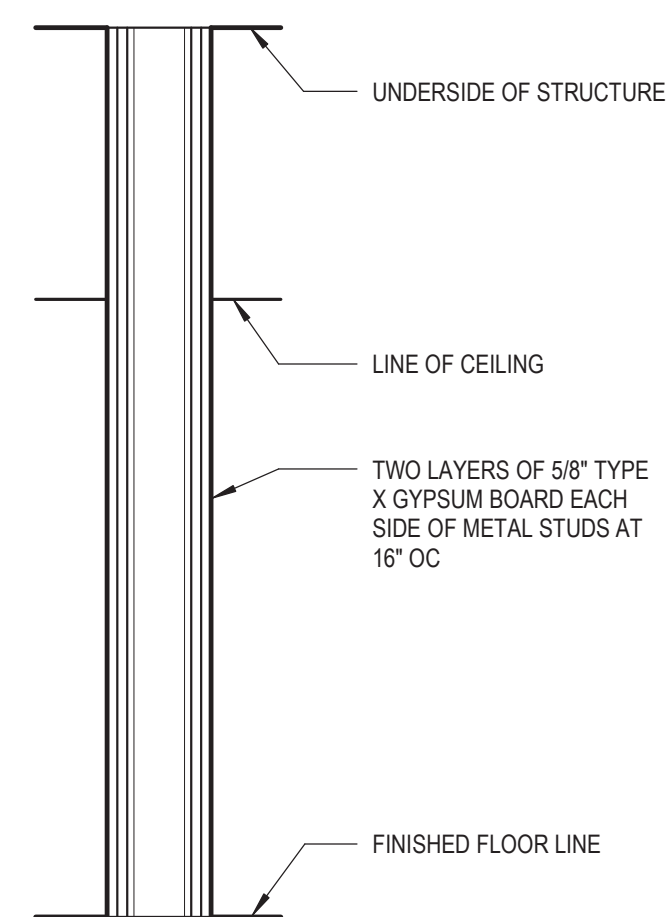
1.A.910



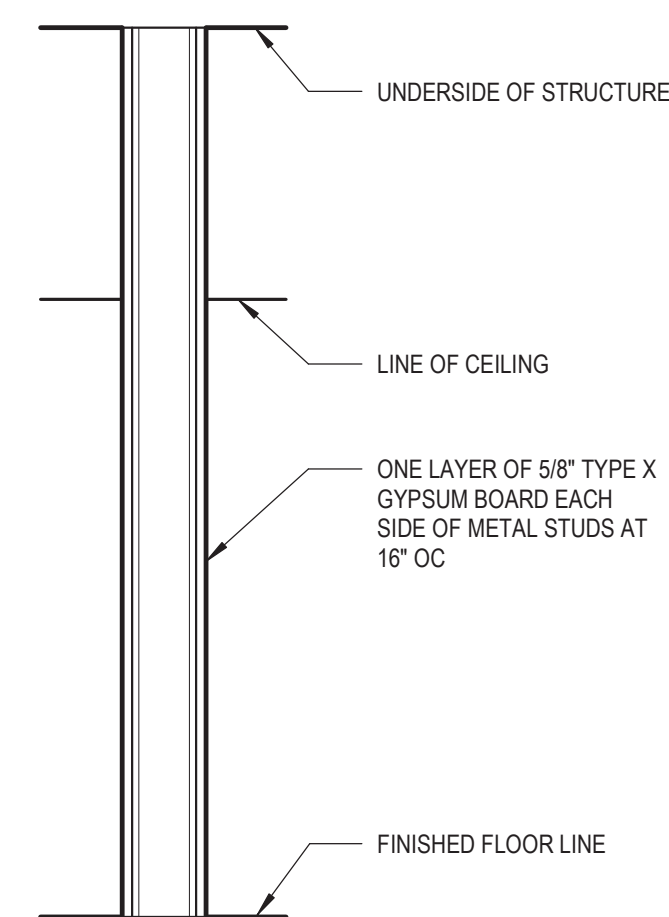
CHASE ASSEMBLY
NON-COMBUSTIBLE
SCALE: NTS



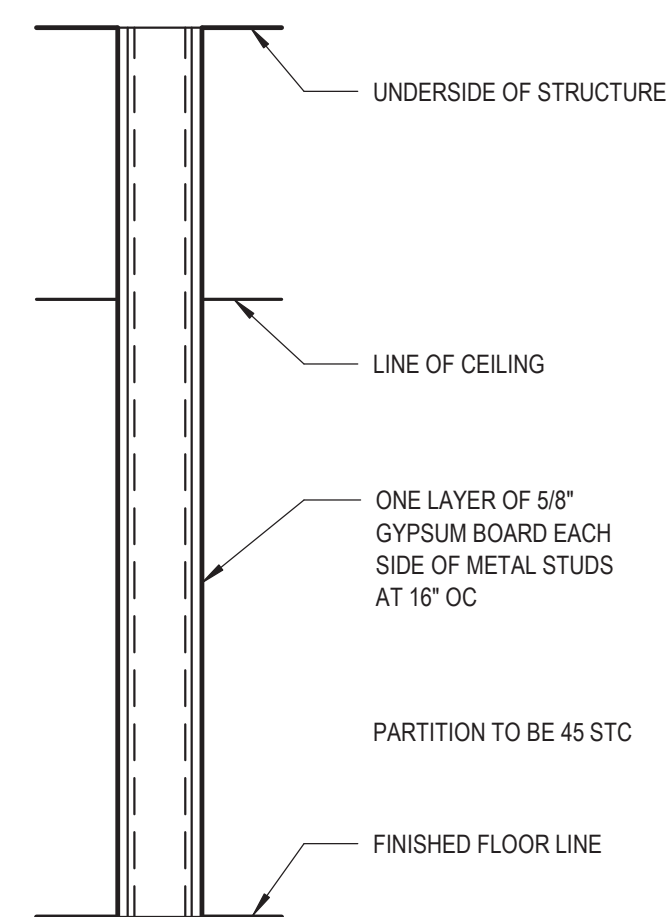

TWO SIDED ASSEMBLY
NON-COMBUSTIBLE
 SCALE: NTS




P2A TWO SIDED ASSEMBLY
2 HOUR RATED (UL - U411 OR U419)
SCALE: NTS

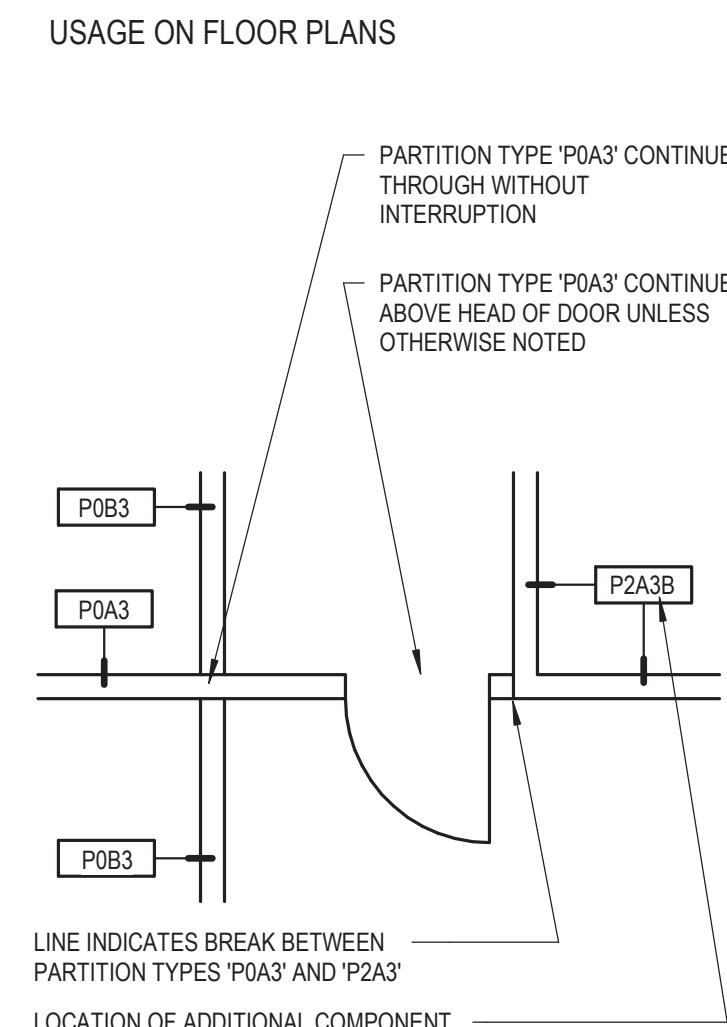
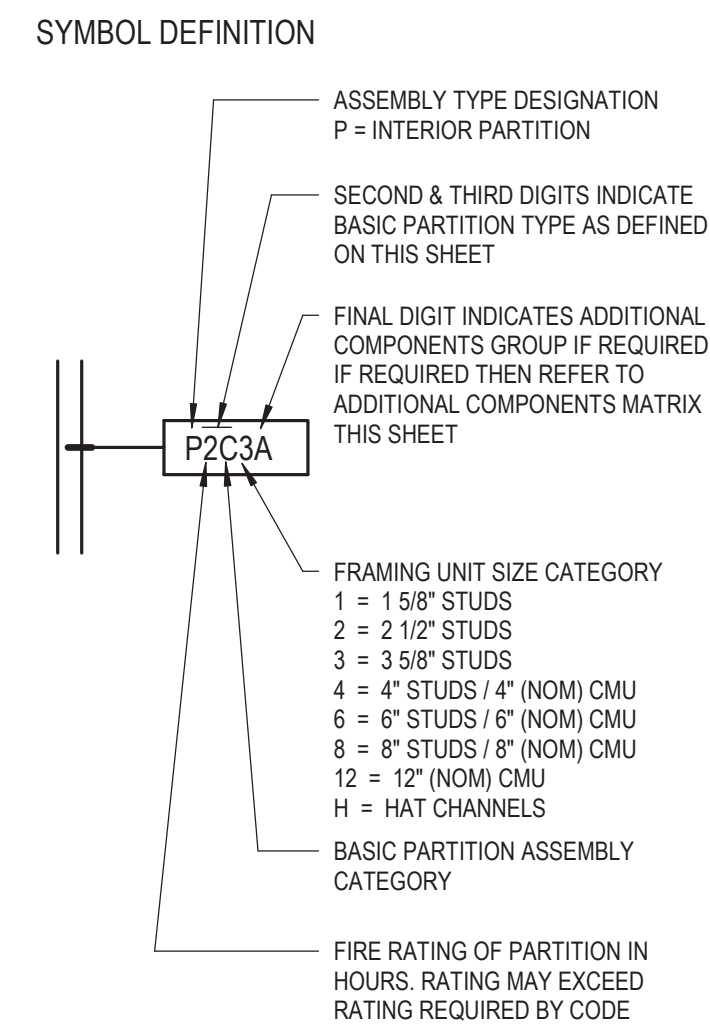


P1A TWO SIDED ASSEMBLY
1 HOUR RATED (UL - U419 OR U465)
SCALE: NTS

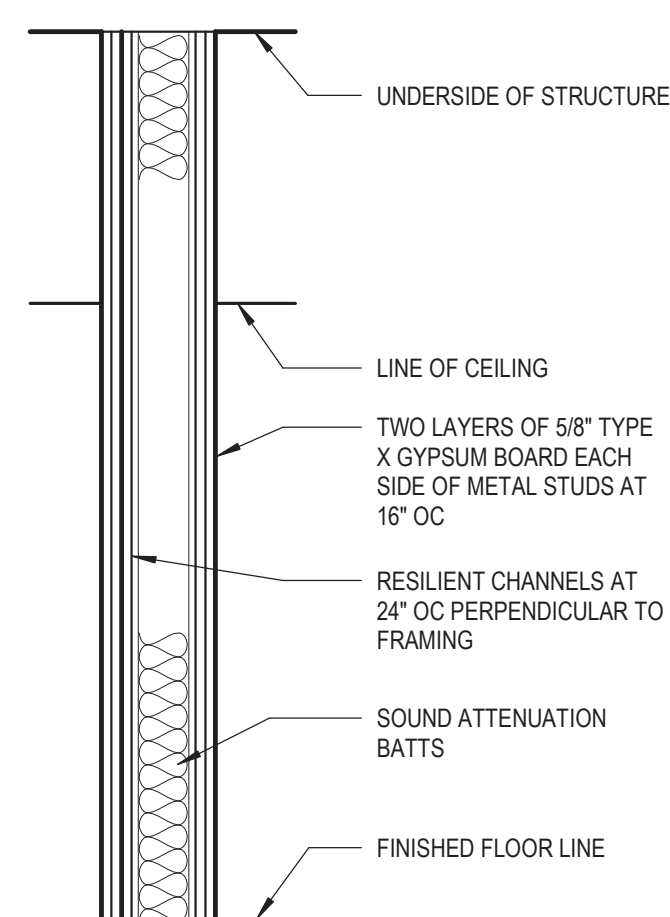



TWO SIDED ASSEMBLY
NON-COMBUSTIBLE
 SCALE: NTS

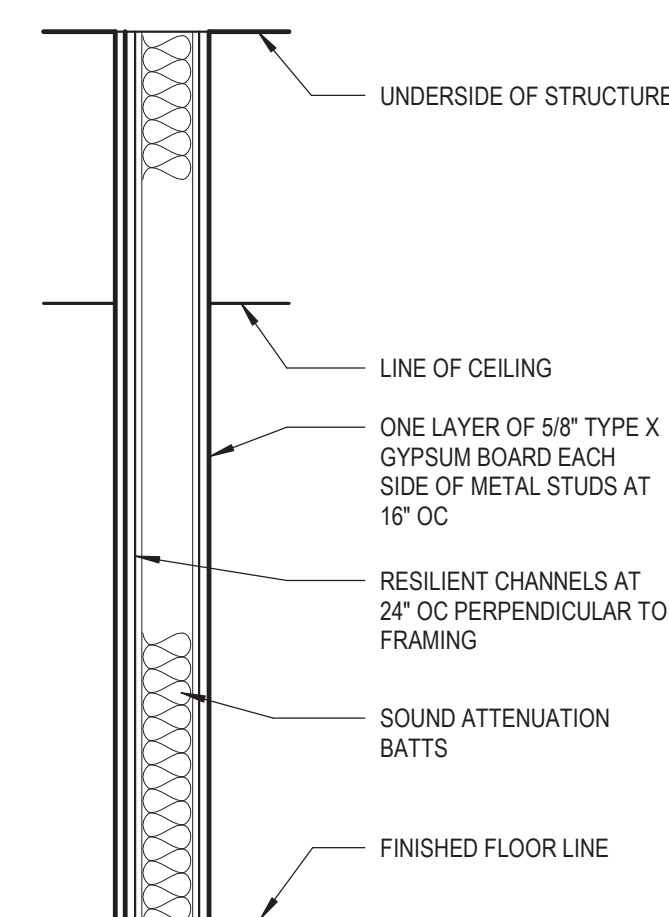
PARTITION TYPE SYMBOL



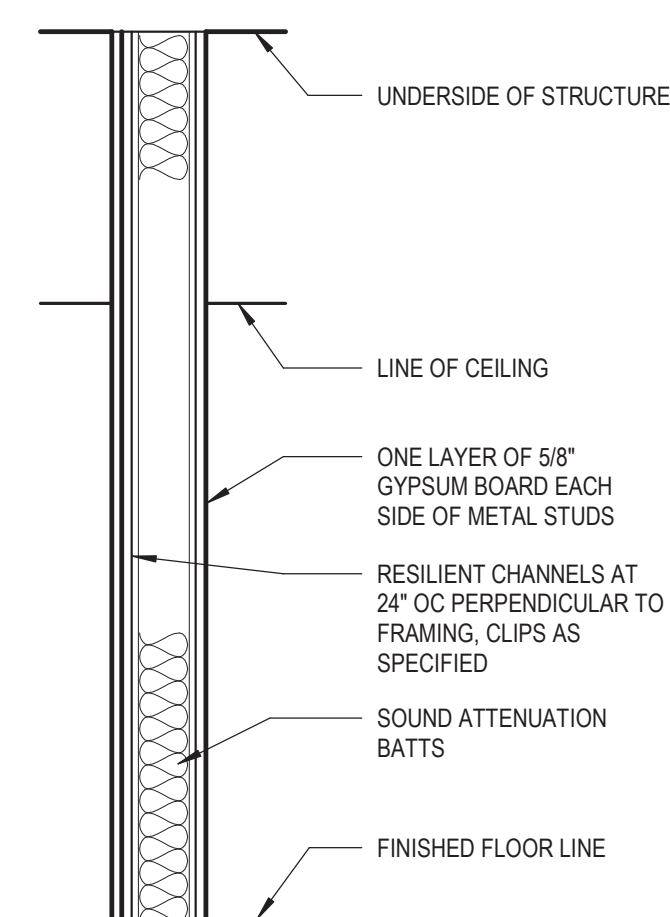
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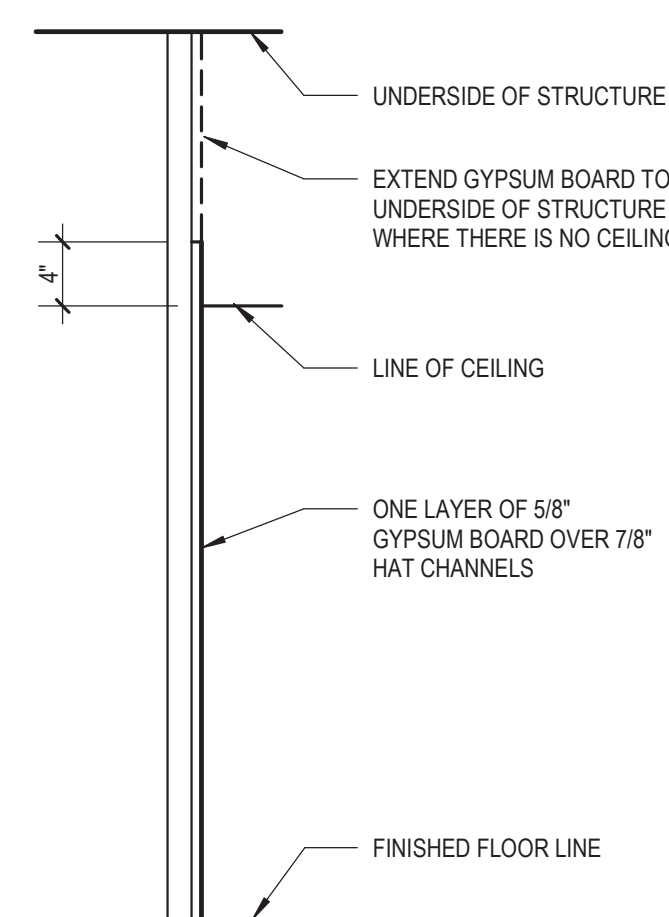
ACOUSTICAL ASSEMBLY
2 HOUR RATED (UL- U454)
SCALE: NTS



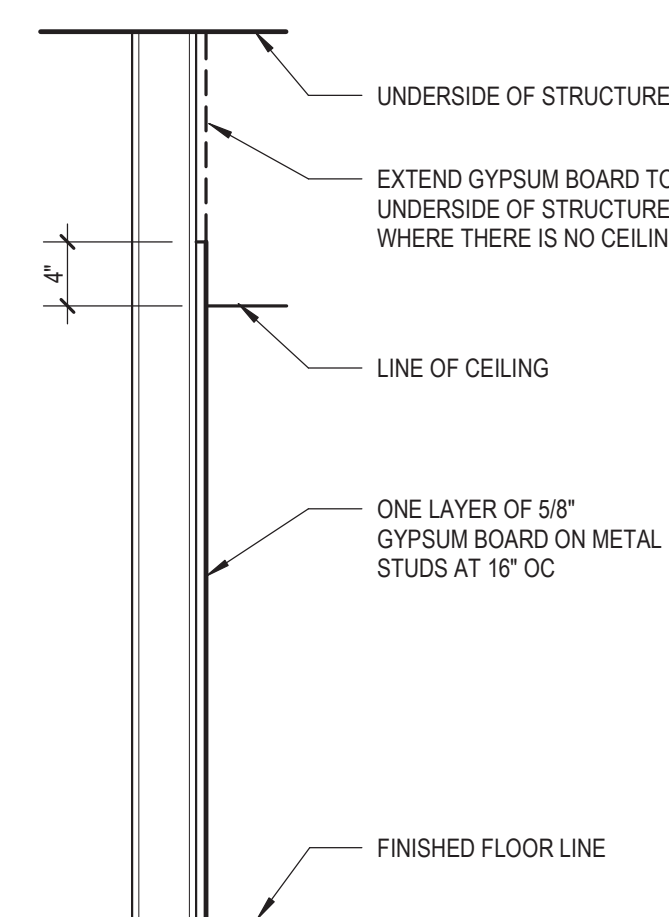
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1 HOUR RATED (UL- U451)
SCALE: NTS



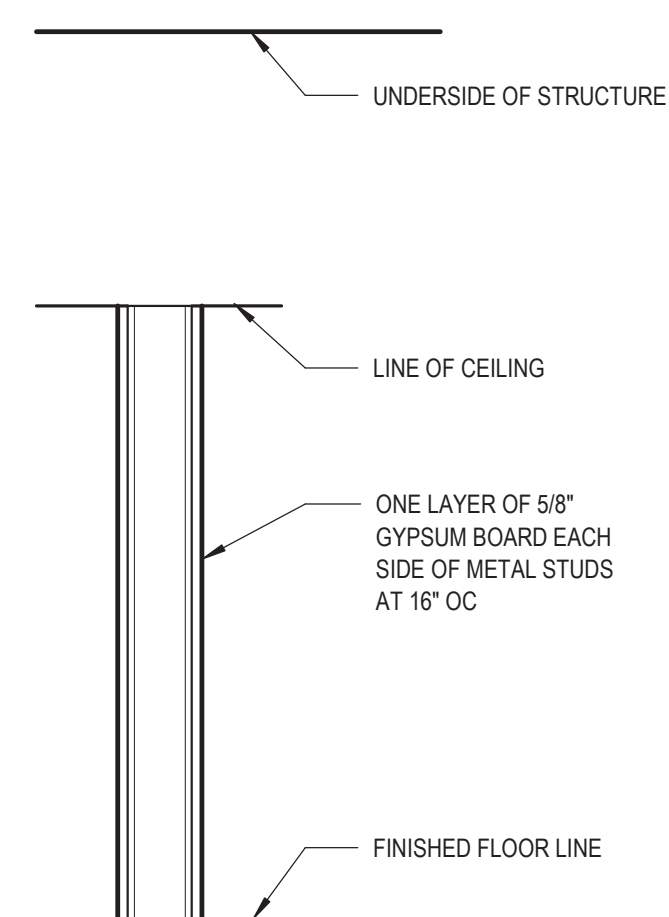
ACOUSTICAL ASSEMBLY
NON-COMBUSTIBLE
SCALE: NTS



ONE SIDED ASSEMBLY
NON-COMBUSTIBLE
SCALE: NTS



ONE SIDED ASSEMBLY
NON-COMBUSTIBLE
SCALE: NTS




TWO SIDED ASSEMBLY
NON-COMBUSTIBLE
 SCALE: NTS

PARTITION NOTES

- A. PARTITIONS AND Furring ARE DIMENSIONED TO THE FACE OF PARTITION ASSEMBLY (NOT TO THE FACE OF APPLIED FINISH OR FACE OF STUD), UNLESS OTHERWISE NOTED.
- B. PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE FINISH SCHEDULE AND/OR THE DESIGNATIONS ON THE PLANS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.
- C. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUPTION (AND WHERE APPLICABLE BELOW) IS TO BE THE SAME AS THAT DESIGNATED FOR THE PARTITION IN WHICH THE INTERRUPTION OCCURRED.
- D. THE MINIMUM REQUIREMENTS FOR CONSTRUCTION OF EACH PARTITION TYPE AS EXPRESSED BY THE INDICATED FIRE RATING REFERENCE ARE INCORPORATED BY REFERENCE AND ARE SUBJECT TO THE REQUIREMENTS OF THE PROJECT HOWER, ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO ARE TO BE THE SAME AS THE MINIMUM REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO.
1. USE 5/8 THICK GYPSUM BOARD THROUGHOUT
2. USE 16 OC MAX STUD SPACING UNLESS OTHERWISE NOTED. THE SPACING STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MAX SPACING
- E. USE STUDS OF GAUGE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAUGE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM GAUGE
- F. USE STUDS OF DEPTH INDICATED BY THE DRAWINGS. THE DEPTH STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH

FRAMING NOTES

- A. ALL INTERIOR NON-LOAD-BEARING METAL WALL FRAMING EXCEEDING 6 FEET IN HEIGHT SHALL RESIST A HORIZONTAL LOAD OF NOT LESS THAN 5 PSF, UNLESS OTHERWISE NOTED OR REQUIRED BY THE SPECIFICATIONS.
- B. GAUGE THICKNESS DESIGNATION IS BASED ON THE FOLLOWING MIN. THICKNESS FOR INTERIOR NON-LOAD BEARING PARTITION FRAMING, ALL 33 ksi. PER THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA):
 - 18 MIL = 25 GAUGE
 - 30 MIL = 20 GAUGE
 - 43 MIL = 15 GAUGE
 - 54 MIL = 16 GAUGE
- C. ALL INTERIOR NON-LOAD-BEARING METAL WALL FRAMING SHALL BE 20 GAUGE INSTALLED AT 16 O.C. UNLESS OTHERWISE NOTED.
- D. ALL INTERIOR NON-LOAD-BEARING METAL WALL FRAMING SHALL BE INSTALLED WITH A DEFLECTION CRITERIA OF L/360, UNLESS OTHERWISE NOTED OR REQUIRED BY THE SPECIFICATIONS.
- E. WHERE AN ADDITIONAL INTERIOR WALL FINISH IS APPLIED TO THE BASE PORTION SUCH AS TILE, VENEERS, WOOD PANELING, OR SIMILAR, ALL INTERIOR NON-LOAD-BEARING METAL WALL FRAMING SHALL BE INSTALLED WITH A DEFLECTION CRITERIA OF L/360, UNLESS OTHERWISE NOTED OR REQUIRED BY THE SPECIFICATIONS.
- F. LIMITING HEIGHTS OF INTERIOR NON-LOAD-BEARING FRAMING SHALL BE PER THE MANUFACTURERS SPAN TABLES BASED ON THE FOLLOWING CRITERIA OUTSET IN THIS SET OF DRAWINGS AND THE PROJECT MANUAL: HORIZONTAL, LOADING, STUD DEPTH, STUD SPACING, AND DEFLECTION CRITERIA.
- G. PROVIDE 20 GAUGE (OR GREATER AS REQUIRED) METAL WALL FRAMING AT THE FOLLOWING LOCATIONS:
 - 1. DOUBLE STUD JAMB ASSEMBLIES AT OPENINGS
 - 2. FIRST STUD IN THE PARTITION BEYOND THE DOUBLE STUD JAMB ASSEMBLY. LOCATE STUD 6 FROM DOUBLE STUD ASSEMBLY
 - 3. STUDS TO WHICH GLASS-MAT BACKER WATER-RESISTANT BACKER BOARD, SPECIFIED IN SECTION 09300, ARE INSTALLED FOR WET AREAS
 - 4. STUDS TO WHICH ABUSE-RESISTANT AND HIGH-IMPACT GYPSUM WALL PANELS ARE ATTACHED
 - 5. STUDS TO WHICH WALL MOUNTED EQUIPMENT, INCLUDING OWNER FURNISHED EQUIPMENT, IS FASTENED
 - 6. STUD INFL AND SILL TRACK BELOW WINDOW OPENINGS
 - 7. STUDS INSTALLED FOR OPENING HEADS BETWEEN DOUBLE STUD JAMB ASSEMBLIES

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SEALS AND SIGNATURES

ADDITIONAL PARTITION COMPONENTS MATRIX

NOTE: NOT ALL ADDITIONAL COMPONENTS MAY APPLY TO THIS PROJECT

NOTE: NOT ALL ADDITIONAL COMPONENTS MAY APPLY TO THIS PROJECT

1. SEAL PERIMETER OF PARTITION WITH CONT BOND RAY OF TYPE 1
FIRESTOPPING CAPABILITY, CLOSE ALL GAPS THROUGH OR AROUND
PARTITION, INCLUDING ALL PENETRATIONS THROUGH PARTITION, JOINTS
AND PENETRATIONS, INCLUDING THOSE ABOVE ANY FRESH CEILING
2. SEAL PERIMETER OF PARTITION WITH CONT BOND RAY OF ACQUITAL SEAL
TYPE 1, 1/2" MIN TO 1/2" MAX PERIMETER OF PARTITION, INCLUDING
ALL GAPS THROUGH OR AROUND PARTITION, JOINTS AND PENETRATIONS,
INCLUDING THOSE ABOVE ANY FRESH CEILING. ISOLATE
PARTITION FROM WALLS AND FLOORS WITH 1/2" GAP. SEAL
PARTITION BOARD TO BOARD AND JOINTS WITH BACKER ROD AND
ACQUITAL SEALANT.
3. SEAL ATTENTION BATTIS (NON-FACED, RECTION FIN) IN STUD
CUTS, 1/2" MIN TO 1/2" MAX PERIMETER OF STUD CUTS, 1/2" MIN
TO 1/2" MAX PERIMETER OF STUD CUTS, 1/2" MIN TO 1/2" MAX
PERIMETER OF STUD CUTS, 1/2" MIN TO 1/2" MAX PERIMETER OF
STUD CUTS, 1/2" MIN TO 1/2" MAX PERIMETER OF STUD CUTS,
ADDITIONAL COMPONENT NO 4 INSTALLED
4. PARTITION ASSEMBLY TO MEET SPEC 42-46-00 MINIMUM SOUND
ATTENUATION OF 42 DB, 1/2" MIN TO 1/2" MAX PERIMETER OF
PARTITION, INCLUDING ALL GAPS THROUGH OR AROUND PARTITION,
INCLUDING THOSE ABOVE ANY FRESH CEILING. SEAL
PARTITION BOARD TO BOARD AND JOINTS WITH BACKER ROD AND
ACQUITAL SEALANT.
5. PROVIDE ACQUITAL OUTLET PADS AT ALL ELECTRICAL, TELEPHONE
AND DATA PENETRATIONS THROUGH PARTITION, INCLUDING THOSE
ABOVE ANY FRESH CEILING. SEAL ALL OPENINGS WITH OUTLET BOARD
REINFORCED MATERIAL.
6. PARTITION ASSEMBLY TO MEET SPEC 42-46-00 MINIMUM SOUND
ATTENUATION OF 42 DB, 1/2" MIN TO 1/2" MAX PERIMETER OF
PARTITION, INCLUDING ALL GAPS THROUGH OR AROUND PARTITION,
INCLUDING THOSE ABOVE ANY FRESH CEILING. SEAL
PARTITION BOARD TO BOARD AND JOINTS WITH BACKER ROD AND
ACQUITAL SEALANT.
7. PROVIDE ONE LAYER OF FLAME RETARDANT PLYWOOD INSIDE OF
ASSOCIATED ELECTRICAL/TYPED ROOM
8. PROVIDE MOISTURE RESISTANT GYPSUM BOARD ON BOTH SIDES OF
STUDS IN CASE OF INTERESTER GYPSUM BOARD

SCALE: 1/4" = 1'-0"
TYPICAL AT ALL METAL STUD FRAMING UNLESS OTHERWISE NOTED

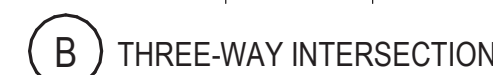


TYPE	PRIORITY	RATING
FIRE WALL	PRIORITY 1 (HIGHEST)	4 HOUR
FIRE & SMOKE BARRIER	PRIORITY 2	3 HOUR
FIRE BARRIER	PRIORITY 3	2 HOUR
FIRE PARTITION	PRIORITY 4	1 HOUR
SMOKE PARTITION	PRIORITY 5	1/2 HOUR
NON-RATED WALL	PRIORITY 6 (LOWEST)	NON-RATED



THE "PRIORITY" OF PARTITIONS OF DIFFERENT TYPES IS DETERMINED AS FOLLOWS

1. FIRE-RATED PARTITIONS HAVE PRIORITY OVER NON-RATED PARTITIONS
2. PARTITIONS WITH GREATER FIRE-RATINGS HAVE PRIORITY OVER PARTITIONS WITH LESSER FIRE-RATINGS. EXAMPLE: TWO-HOUR RATED PARTITIONS HAVE PRIORITY OVER ONE-HOUR FIRE-RATED PARTITIONS.
3. SMOKE-SEALED PARTITIONS HAVE PRIORITY OVER NON-SMOKE SEALED PARTITIONS OF SIMILAR FIRE-RATING. REFER TO --- FOR ADDITIONAL COMPONENTS MATRIX ON SHEET FOR REQUIREMENTS

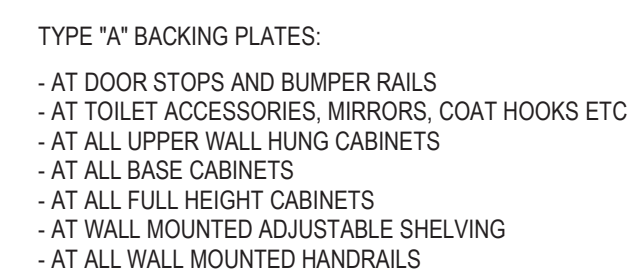


TYPICAL UNLESS OTHERWISE NOTED AND/OR DETAILED

TYPICAL AT CORNERS, ENDS AND 4'-0" OC MAX BETWEEN



PROVIDE BACKING PLATES AS INDICATED ON THE DRAWINGS OR WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING SCHEDULE:



TYPE "B" BACKING PLATES:
TYPE "B" BACKING PLATE SHALL SUPPORT THE SAME ITEMS AS TYPE "A" BACKING PLATE BUT USE WHERE APPEARANCE IS THE MAIN CONCERN SUCH AS LOBBIES AND OTHER HIGH DESIGN AREAS

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SEALS AND SIGNATURES

SHEET TITLE

PARTITION SYSTEMS
DETAILS - FRAMING

PROJECT NUMBER
CD
SHEET NUMBER

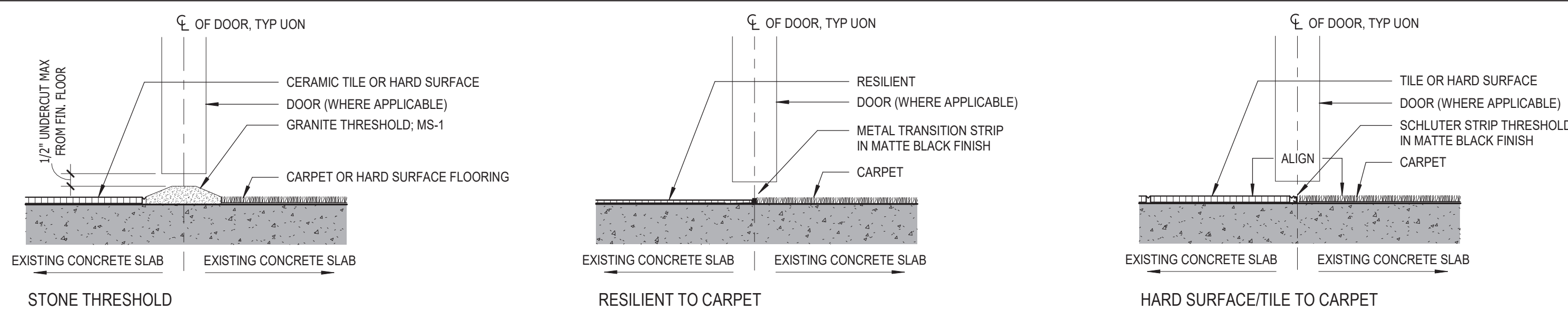
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Note: The following are Project Standard references. Not all details may apply.



FRAME ELEVATIONS



DOOR AND INTERIOR OPENING SCHEDULE 1

NUMBER	ROOM NAME	FIRE RATING (MINUT ES)	SIZE		DOOR			FRAME			HARDWARE SET	GLASS TYPE	SPECIAL NOTES AND COMMENTS
			WIDTH	HEIGHT	ELEVATION	MATERIAL	FINISH	ELEVATION	MATERIAL	FINISH			
406G	OPEN OFFICE		3'-0"	7'-0"	EXIST.	EXIST.	WD-1	EXIST.	EXIST.	P-2	3		REFINISH EXISTING DOOR TO MATCH WD-01. NEW HARDWARE AS SPECIFIED.
400A	CORRIDOR		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	3		
400E	CORRIDOR		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	3		
4010	LUNCH ROOM		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	1B		
4010B	SECURED CL		5'-8"	7'-0"	F	SCWD	WD-1	1	HM	P-2	4A		LOUVER
4011	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4012	CL		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	1C		
4013	OPEN OFFICE		3'-0"	7'-0"	F	PBD	WD-1	2	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4013A	OFFICE		2'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	1C		
4015	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	2	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4016	CONF. ROOM		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	1A		
4017	OPEN OFFICE		3'-0"	7'-0"	F	PBD	WD-1	2	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4017A	OFFICE		2'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	1C		
4018	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4019	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	2	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4019A	OFFICE		2'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	1C		
4020	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4021	OPEN OFFICE		3'-0"	7'-0"	F	PBD	WD-1	2	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4021A	OFFICE		2'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	1C		
4022	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4023	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	2	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4023A	OFFICE		2'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	1C		
4024	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4025	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	2	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4026	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4027	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	2	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4028	CL		5'-8"	7'-0"	F	SCWD	WD-1	1	HM	P-2	2		
4029	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4029A	OFFICE		2'-6"	7'-0"	F	PBC	WD-1	1	HM	P-2	1C		
4030B	RECEPTION		5'-8"	7'-0"	F	SCWD	WD-1	1	HM	P-2	7		DOOR OPERATOR
4032	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4033A	OFFICE		2'-6"	7'-0"	F	PBC	WD-1	1	HM	P-2	1C		
4034	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4035	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	2	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4035A	OFFICE		2'-6"	7'-0"	F	PBC	WD-1	1	HM	P-2	1C		
4036	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	1	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4038	STORAGE		6'-0"	7'-0"	F	PBC	WD-1	1	HM	P-2	2		
4040	RECEPTION		5'-8"	7'-0"	G	GL	GL	1	HM	P-2	8	GL-01	DOOR OPERATOR
4058	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	2	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM
4061	OFFICE		3'-0"	7'-0"	F	PBD	WD-1	2	HM	P-2	3		DOOR COAT HOOK, PETER PEPPER MODEL 2012, POLISHED ALUMINUM

Grand total: 40

GENERAL SHEET NOTES

HARDWARE SET 1A			PASSAGE LATCHSET - SINGLE (UNSECURED)			solid partition
NO.	DESCRIPTION	QTY	MK	MODEL		FINISH
1A.01	Hinges	1.5	PR	Stanley	TAZ714 4-1/2" x 4-1/2"	US26D
1A.02	Passage Set	1	Corbin Russwin	DG164 8215	NLMD	US26D
1A.03	Silencers	3	Ives	409		US32D
1A.04	Floor Mounted Stop	1	Ives			
HARDWARE SET 1B			PASSAGE LATCHSET - SINGLE (UNSECURED)			solid partition
NO.	DESCRIPTION	QTY	MK	MODEL		FINISH
1B.01	Hinges	1.5	PR	Stanley	TAZ714 4-1/2" x 4-1/2"	US26D
1B.02	Passage Set	1	Corbin Russwin	DG164 8215	NLMD	US26D
1B.03	Silencers	3	Ives	409		US32D
1B.04	Floor Mounted Stop	1	Ives			
1B.05	Door Closer	1	Ives			
HARDWARE SET 1C			PASSAGE LATCHSET - SINGLE (UNSECURED)			solid partition
NO.	DESCRIPTION	QTY	MK	MODEL		FINISH
1B.01	Hinges	1.5	PR	Stanley	TAZ714 4-1/2" x 4-1/2"	US26D
1B.02	Passage Set	1	Corbin Russwin	DG164 8215	NLMD	US26D
1B.03	Silencers	3	Ives	409		US32D
1B.04	Floor Mounted Stop	1	Ives			
HARDWARE SET 2			PASSAGE LATCHSET - DOUBLE (UNSECURED)			solid partition
NO.	DESCRIPTION	QTY	MK	MODEL		FINISH
2.01	Hinges	3	PR	Stanley	FB8199 - 4.5" x 4.5"	32D - Satin Stainless
2.02	Passage Set	1	Corbin Russwin	CL3350 - PZD		626 - Satin Chromium
2.03	Half Dummy Trim	1	Corbin Russwin	CL3310 - PZD		626 - Satin Chromium
2.04	Manual Flush Bolts - Top & Bottom	2	Ives	FB358		B26D - Satin Chromium
2.05	Dust Proof Strike	2	Ives	DP2		US26D - Satin Chromium
2.06	Silencers	6	Ives	SR64		
2.07	Overlapping Astragal	2	National Guard Products, Inc.	1785A		Clear Anodized (1785DKG for Bronze Finish)
HARDWARE SET 3			STOREROOM - SINGLE (SECURED)			solid partition
NO.	DESCRIPTION	QTY	MK	MODEL		FINISH
3.01	Hinges	1.5	PR	Stanley	FB8199 - 4.5" x 4.5"	32D - Satin Stainless
3.02	Silencer Lockset	1	Corbin Russwin	CL3357 - PZD		626 - Satin Chromium
3.03	Hinges	3	Ives	SR64		
3.04	Floor Mounted Stop	1	Ives	FS436 x 435		26D - Satin Chromium
3.05	Overhead Door Stop	1	Dorma	TS93		04 - Stainless Steel
3.06	Card Reader	1	BY SECURITY CONTRACTOR			
3.07	Electric Strike	BY SECURITY CONTRACTOR				
Operational Description: Door is normally closed and locked. Presenting a valid card to card reader will momentarily unlock outside lever, allowing entry. Entry also key in cylinder. Egress at all times by operating inside lever and exiting. Operating inside lever will shut door contact allowing for authorized egress (REX). Door position switch in lockset monitors the position of the door and reports this status to the security system.						
HARDWARE SET 4A			STOREROOM - DOUBLE (SECURED)			solid partition
NO.	DESCRIPTION	QTY	MK	MODEL		FINISH
4.01	Hinges	3	PR	Stanley	FB8199 - 4.5" x 4.5"	32D - Satin Stainless
4.02	Storeroom Lockset	1	Corbin Russwin	CL3357 - PZD		626 - Satin Chromium
4.03	Half Dummy Trim	1	Corbin Russwin	CL3350 - PZD		626 - Satin Chromium
4.04	Manual Flush Bolts - Top & Bottom	2	Ives	FB358		B26D - Satin Chromium
4.05	Dust Proof Strike	2	Ives	DP2		US26D - Satin Chromium
4.06	Silencers	6	Ives	SR64		
4.07	Floor Mounted Stop	2	Ives	FS436 x 435		26D - Satin Chromium
4.08	Overhead Door Stop	1	Dorma	TS93		04 Stainless Steel
4.09	Overlapping Astragal	1	National Guard Products, Inc.	1785A		Clear Anodized (1785DKG for Bronze Finish)
4.10	Card Reader	1	BY SECURITY CONTRACTOR			
4.11	Electric Strike	BY SECURITY CONTRACTOR				
4.12	Louwer	2				
Operational Description: Door is normally closed and locked. Presenting a valid card to card reader will momentarily unlock outside lever, allowing entry. Entry also key in cylinder. Egress at all times by operating inside lever and exiting. Operating inside lever will shut door contact allowing for authorized egress (REX). Door position switch in lockset monitors the position of the door and reports this status to the security system.						
HARDWARE SET 7			ACCESS CONTROL WITH FAIL SAFE - DOUBLE (SECURED)			glass partition (vestibule)
NO.	DESCRIPTION	QTY	MK	MODEL		FINISH
7.01	Magnetic Lock	3	EA			US26D
7.02	Pull	1				US26D
7.03	REX Motion Sensor	1				
7.04	REX Push Button	1				
7.05	Power Supply	1				
7.06	Card Reader	1	BY SECURITY CONTRACTOR			
7.07	Door Contact	1	BY SECURITY CONTRACTOR			
7.08	Concealed Closer	1	EA			
Operational Description: Door is normally closed and secured with magnetic lock. Presenting a valid card to the card reader will momentarily release the magnetic lock allowing entry. Entering read range of motion sensor on mag lock or pressing push button will momentarily release magnetic lock allowing manual egress. Upon activation of fire alarm system, power to the magnetic lock is interrupted allowing fire and immediate egress. Door contact in magnetic lock.						
HARDWARE SET 8			EXIT ONLY - SINGLE (SECURED)			solid partition
NO.	DESCRIPTION	QTY	MK	MODEL		FINISH
8.01	Hinges	1.5	PR	Stanley	FB8199 - 4.5" x 4.5"	32D - Satin Stainless
8.02	Exit Dev (EXIT ONLY)	1				
8.03	Silencers	3	Ives	SR64		
8.04	Floor Mounted Stop	1	Ives	FS436 x 435		26D - Satin Chromium
8.05	Door Contact	1	BY SECURITY CONTRACTOR			
8.06	Closer	1	EA			
Operational Description: EXIT ONLY. Manual egress at all times by operating panic bar/lever for egress. Door contact monitors the position of the door and reports this status to the security system.						

A. HARDWARE LOCKING FUNCTIONS BASED UPON CORBIN-RUSSIN UL-3300 SERIES - 7 PIN CYLINDERS.

B. ALL DOOR HANDLES TO BE THE PRINCETON AS MANUFACTURED, CORBIN-RUSSIN, UL-3300 SERIES, OR APPROVED EQUIV. - SUBMIT METAL SAMPLES FOR FINAL FINISH DETERMINATION.

C. ALL HARDWARE TO MATCH BASE BUILDING FINISH. UNDO - SUBMIT METAL SAMPLES TO ARCHITECT FOR FINISH DETERMINATION.

D. ALL HARDWARE AND FUNCTIONS SHALL BE ADA COMPLIANT.

E. MAXIMUM UNDO/CUT ON LEVERS SHALL BE 12" AFF UNLESS NOTED OTHERWISE.

F. ALL SECURITY CONTROL ON DOORS SHALL COMPLY AS INDICATED BY THE FOLLOWING:

DCBC 2017:100.19.5

SECTION 1010-110 THE ELECTRIC LOCKS ON SENSOR RELEASED, DEACTIVATED IN CASE OF EGRESS IN A BUILDING WITH AN OCCUPANT IN GROUND FLOOR, 14.4 M, R-1, R-2 AND ENTRANCES TO TENANT SPACES IN GROUND FLOOR, 14.4 M, R-2 ARE NOT TO BE PERMITTED WHERE INSTALLED AND OPERATED IN ACCORDANCE WITH ALL OF THE FOLLOWING CRITERIA:

1. A SENSOR SHALL BE PROVIDED ON THE EGRESS SIDE ARRANGED TO DETECT AN OCCUPANT APPROACHING THE DOOR. THE DOOR SHALL BE AUTOMATICALLY UNLOCKED BY A SIGNAL FROM OR LOSS OF POWER TO THE SENSOR.

2. LOSS OF POWER TO THE LOCK OR LOCKING SYSTEM SHALL AUTOMATICALLY UNLOCK THE DOORS.

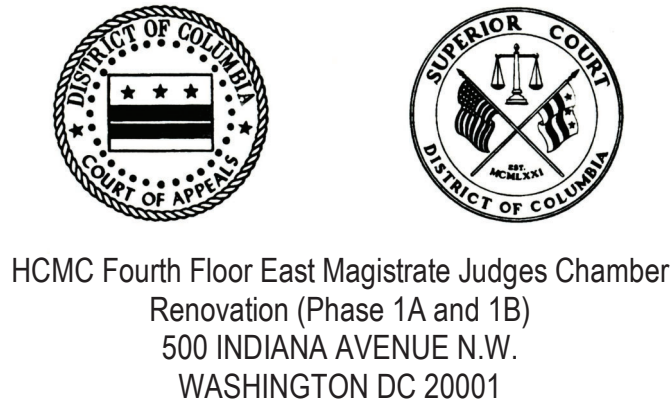
3. THE DOORS SHALL BE ARRANGED TO UNLOCK FROM A MANUAL UNLOCKING DEVICE LOCATED 40 INCHES TO 48 INCHES ABOVE TO 1210MM VERTICALLY ABOVE THE FLOOR AND WITH IN 5 FEET (1524MM) OF THE SECURED DOORS. READY ACCESS SHALL BE PROVIDED TO THE MANUAL UNLOCKING DEVICE AND THE DEVICE SHALL BE CLEARLY IDENTIFIED BY A SIGN THAT READS "PUSH TO EXIT" WHEN OPERATED, THE MANUAL UNLOCKING DEVICE SHALL RESULT IN DIRECT INTERRUPTION OF POWER TO THE LOCK-INDEPENDENT OF THE ACCESS CONTROL SYSTEM ELECTRONICS-AND THE DOORS SHALL REMAIN UNLOCKED FOR A MINIMUM OF 3 SECONDS.

4. ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM, WHERE PROVIDED, SHALL AUTOMATICALLY UNLOCK THE DOORS, AND THE DOORS SHALL REMAIN UNLOCKED UNTIL THE FIRE ALARM SYSTEM HAS BEEN RESET.

5. ACTIVATION OF THE BUILDING AUTOMATIC SPRINKLER OR FIRE DETECTION SYSTEM, WHERE PROVIDED, SHALL AUTOMATICALLY UNLOCK THE DOORS. THE DOORS SHALL REMAIN UNLOCKED UNTIL THE FIRE ALARM SYSTEM HAS BEEN RESET.

6. THE DOOR LOCKING SYSTEM UNITS SHALL BE LISTED IN ACCORDANCE WITH UL 294.

SECTION: 1010-19 DOOR OPERATIONS: EXCEPT AS SPECIFICALLY PERMITTED BY THIS SECTION EGRESS DOORS SHALL BE READILY AVAILABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

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SEALS AND SIGNATURES

SHEET TITLE

DOOR AND HARDWARE
SCHEDULES

PROJECT NUMBER
CD
SHEET NUMBER

1.A.930



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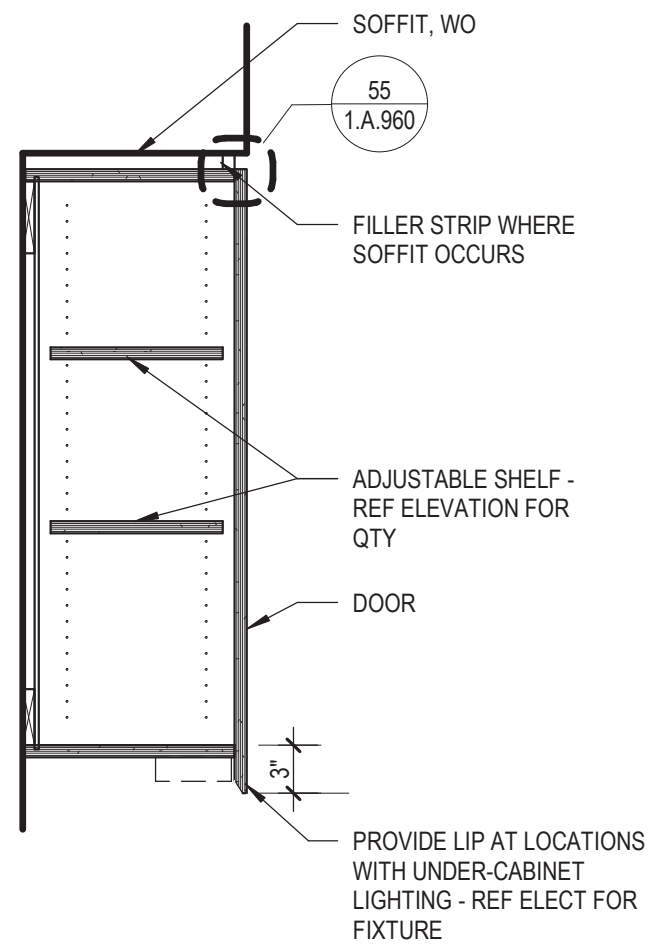
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BASE CABINETS

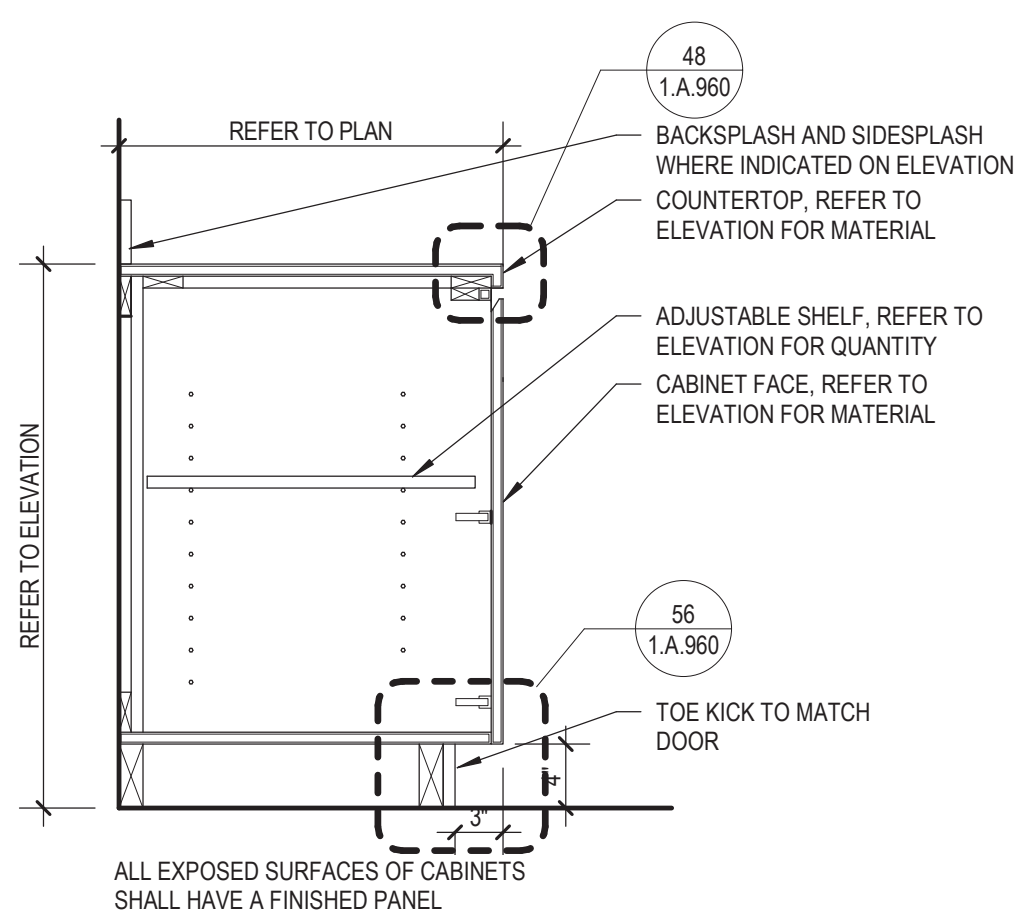
LEGEND

PROJECT NUMBER
CD
SHEET NUMBER

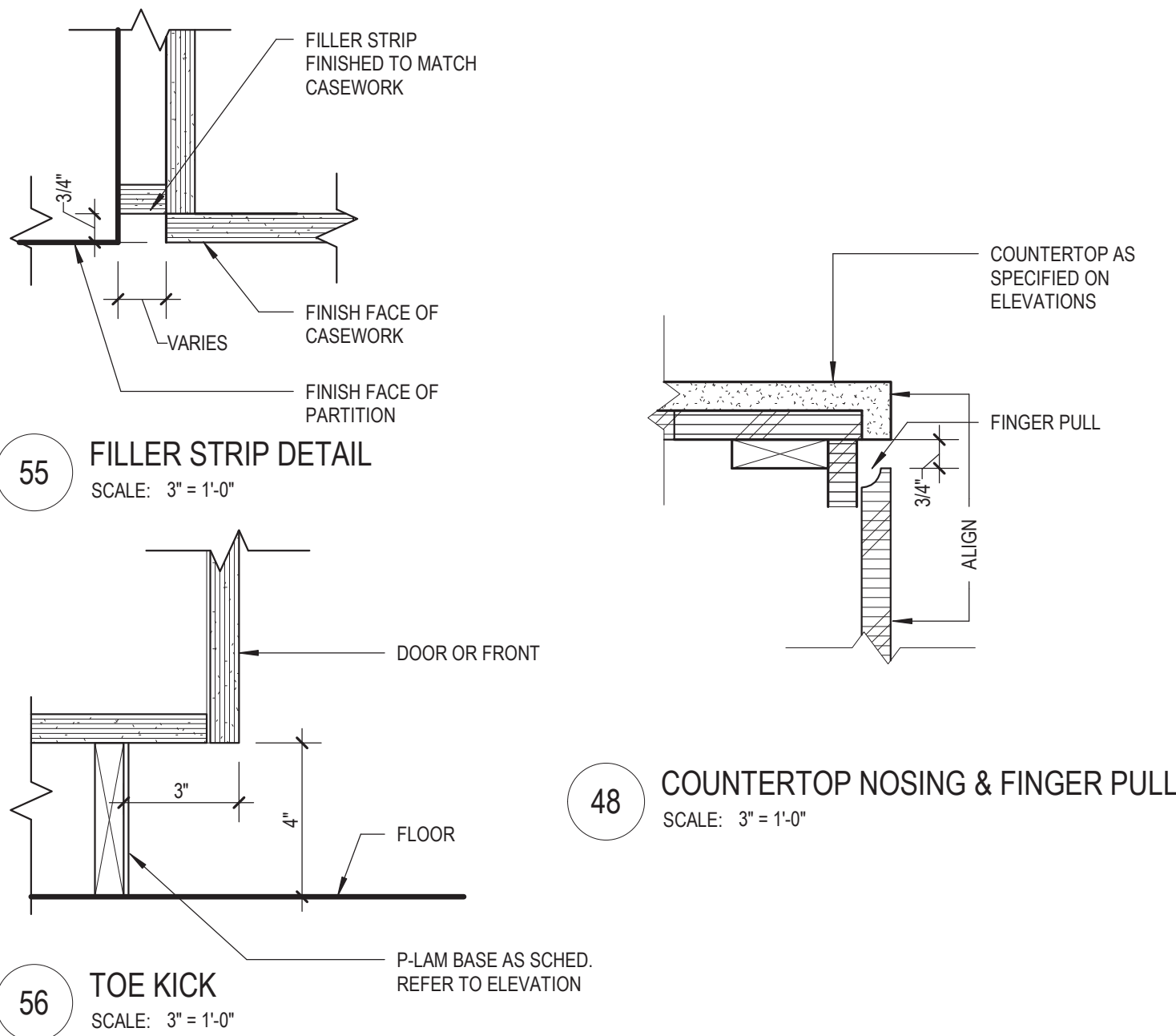
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WC-D - WALL CABINET DOOR
SCALE: 1" = 1'-0"



BC-D - BASE CABINET WITH DOOR
SCALE: 1" = 1'-0"



48 COUNTERTOP NOSING & FINGER PULL
SCALE: 3" = 1'-0"

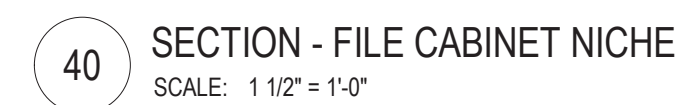
MISC. DETAILS

- REFER INTERIOR ELEVATIONS FOR FINISHES & CASEWORK TAGS INDICATING EXTENTS AND CONFIGURATION OF MODULAR CASEWORK.
- CASEWORK IDENTIFICATION CODES ARE ILLUSTRATED BY THE EXAMPLES SHOWN BELOW:

										CEILING DETAILS
--	--	--	--	--	--	--	--	--	--	-----------------



										INTERIOR DETAILS
--	--	--	--	--	--	--	--	--	--	------------------





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



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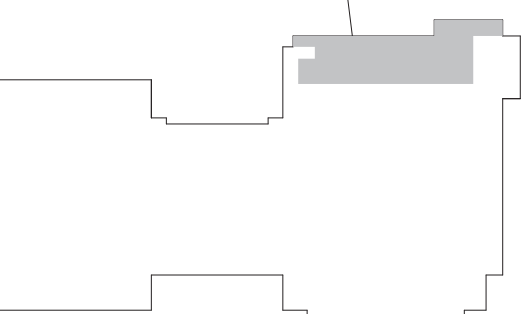
**M2H PROTECTION
SECURITY**
100 Buckeystown Pike, Suite 250
Frederick, MD 21704
410-371-6047

SEALS AND SIGNATURES

KEYPLAN



PROJECT AREA



SHEET TITLE

DEMOLITION FLOOR PLAN
- FOURTH FLOOR

PROJECT NUMBER

CD

1.AD.204

SHEET NUMBER

12808

	EXISTING PARTITION TO REMAIN
	EXISTING PARTITION TO BE REMOVED
	EXISTING DOOR TO REMAIN
	EXISTING DOOR AND FRAME TO BE REMOVED

A. REFER TO THE A0.X SERIES SHEETS FOR ARCHITECTURAL GENERAL NOTES, DRAWING, REFERENCE AND MATERIAL SYMBOLS, ABBREVIATIONS, AS WELL AS DIMENSIONING CONVENTIONS USED ON THIS DRAWING.

B. EXISTING CONDITIONS SHOWN ARE FROM AVAILABLE RECORD DRAWINGS AND VISUAL, FIELD SURVEYS. THE CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

C. DEMOLITION WORK SHALL BE DONE IN A MANNER WHICH WILL NOT CAUSE UNNECESSARY INCONVENIENCE OR DANGER TO USERS OF THE PREMISES AND ADJACENT SITE AND NOT INTERFERE WITH ITS OPERATION. ANY DEMOLITION WORK TO BE PERFORMED MUST BE PLANNED IN ADVANCE AND APPROVED BY THE OWNER.

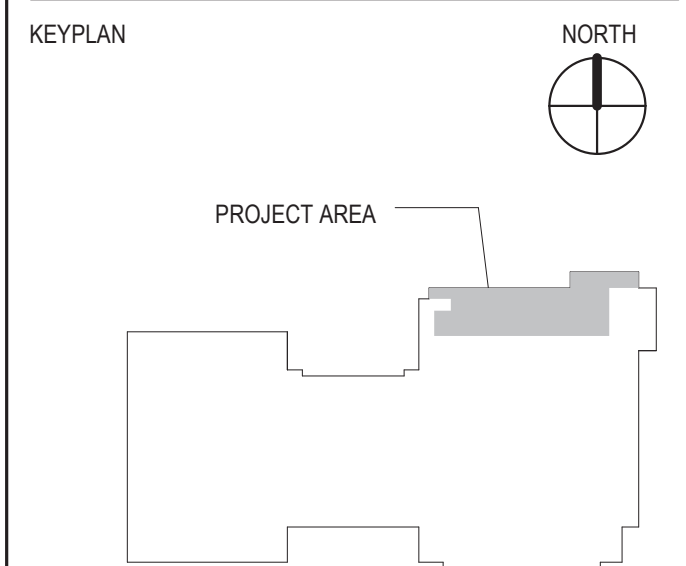


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Frederick, MD 21704
301-371-6047

SEALS AND SIGNATURES



PROJECT NUMBER
CD 1.AD.304
 SHEET NUMBER

1

	EXISTING PARTITION TO REMAIN
	EXISTING PARTITION TO BE REMOVED
	EXISTING DOOR TO REMAIN
	EXISTING DOOR AND FRAME TO BE REMOVED

A.	REFER TO THE A-X SERIES SHEETS FOR ARCHITECTURAL GENERAL NOTES, DRAWING, REFERENCE AND MATERIAL SYMBOLS, ABBREVIATIONS, AS WELL AS DIMENSIONING CONVENTIONS USED ON THIS DRAWING.	F.	ALL EQUIPMENT, MATERIALS, AND SUPPLIES TEMPORARILY REMOVED FOR THE PURPOSE OF PROTECTION SHALL BE REINSTALLED IN ORIGINAL LOCATIONS AND CONDITIONS, AND MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.
B.	EXISTING CONDITIONS SHOWN ARE FROM AVAILABLE RECORD DRAWINGS AND VISUAL FIELD SURVEYS. THE CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.	E.	REFER TO AND COORDINATE WITH MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION NOT SHOWN ON THIS DRAWING.
C.	DEMOLITION WORK SHALL BE DONE IN A MANNER WHICH WILL NOT CAUSE UNNECESSARY INCONVENIENCE OR DANGER TO USERS OF THE PREMISES AND ADJACENT AREAS. DEMOLITION SHALL NOT INTERFERE WITH ITS OPERATION. ANY DEMOLITION WORK TO BE PERFORMED MUST BE PLANNED IN ADVANCE AND APPROVED BY THE OWNER.	F.	ALL MATERIALS INDICATED TO BE REMOVED SHALL BE DISPOSED OF PROPERLY AND REMOVED FROM THE SITE.
D.		G.	ALL REMOVED MATERIALS AND EQUIPMENT WHICH IS CLASSIFIED AS "SALVAGE FOR OWNER" SHALL REMAIN THE PROPERTY OF THE OWNER. DELIVER SUCH MATERIALS TO THE OWNER AT THE PREMISES AS DIRECTED BY THE OWNER AND NEATLY STORED.

AD205	DEMO EXTENTS OF EXISTING CEILING DURING PHASE 1A COORDINATE WITH NEW PLAN LAYOUT AND PHASE 1B WORK.
AD206	DEMO EXTENTS OF EXISTING CEILING DURING PHASE 1B COORDINATE WITH NEW PLAN LAYOUT AND PHASE 1A WORK.



HCMC Fourth Floor East Magistrate Judges Chamber
Renovation (Phase 1A and 1B)
500 INDIANA AVENUE N.W.
WASHINGTON DC 20001

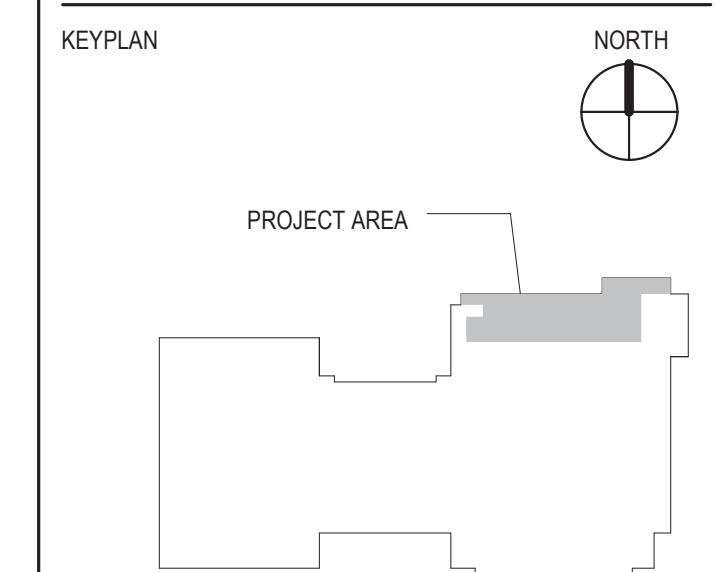
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SEALS AND SIGNATURES



SHEET TITLE

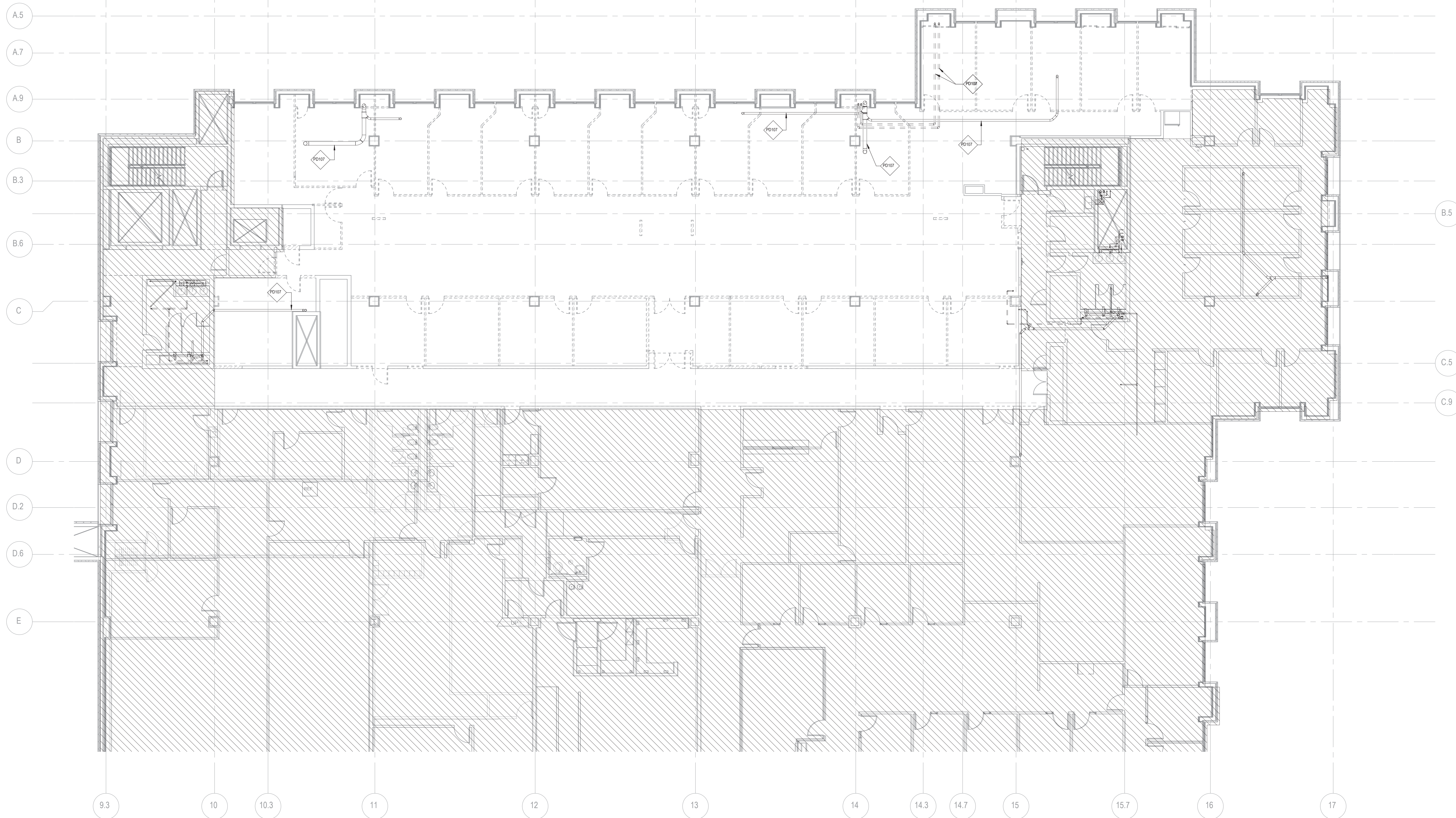
FURNITURE PLAN - FOR
REFERENCE ONLY

PROJECT NUMBER
CD
SHEET NUMBER

1.AI.504



PROJECT NUMBER
CD 1.AJ.604
 SHEET NUMBER



HCMC FOURTH FLOOR EAST MAGISTRATE
JUDGES CHAMBER RENOVATIONS
(PHASE 1A AND 1B)
500 INDIANA AVENUE N.W.
WASHINGTON DC 20001

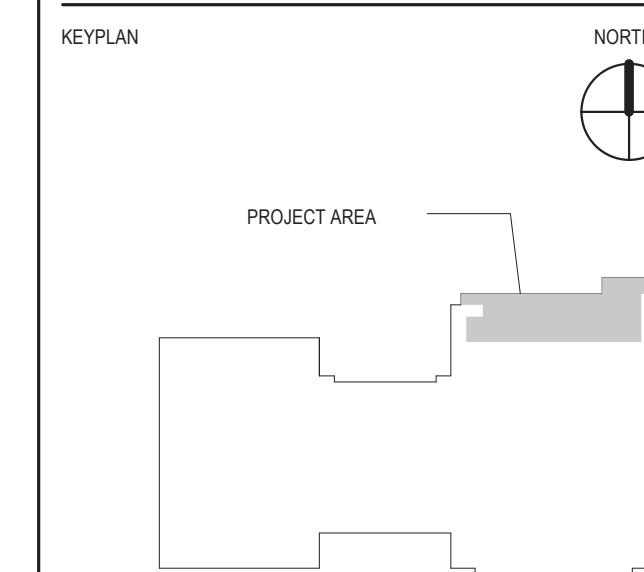
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SEALS AND SIGNATURES



SHEET TITLE

FOURTH LEVEL PLUMBING
DEMOLITION PLAN

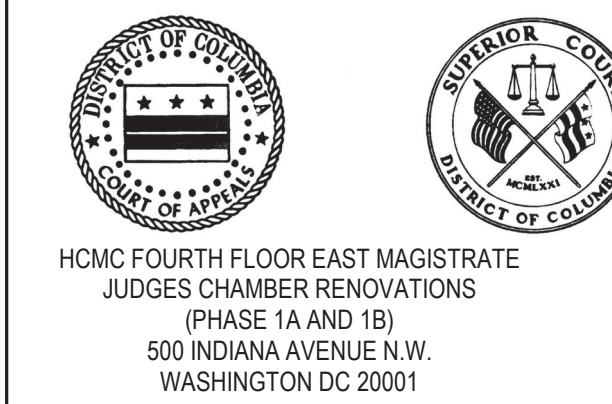
PROJECT NUMBER
CD
SHEET NUMBER

GENERAL SHEET NOTES

- A. SEE DRAWING P001 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
- B. HORIZONTAL DRAINAGE PIPING SHALL BE INSTALLED IN UNIFORM ALIGNMENT AT UNIFORM SLOPES. THE SLOPE OF A HORIZONTAL DRAINAGE PIPE SHALL BE NOT LESS THAN THAT INDICATED IN TABLE 704.1 OF 2018 INTERNATIONAL PLUMBING CODE.
- C. ALL FLOOR DRAINS ARE REQUIRED TO HAVE TRAP PRIMERS.
- D. PLASTIC SANITARY AND VENT PIPE SHALL NOT BE USED ABOVE GRADE.
- E. ALL HORIZONTAL DRAINS SHALL BE PROVIDED WITH CLEANOUTS LOCATED NOT MORE THAN 100 FEET APART

○ SHEET KEYNOTES

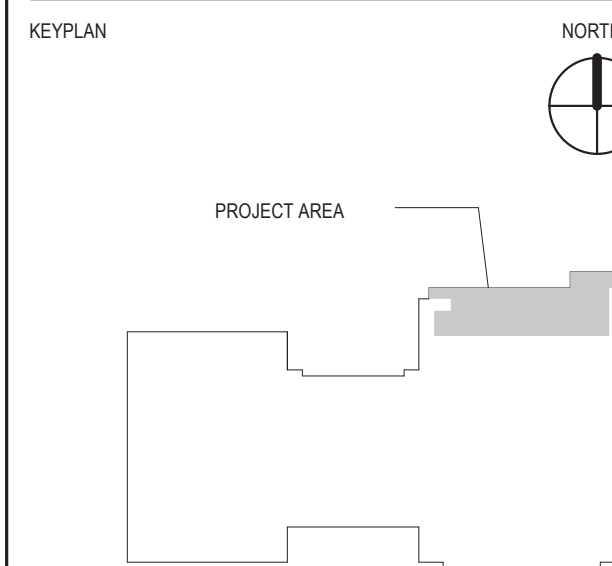
PD107 (E) PIPE TO REMAIN.



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SEALS AND SIGNATURES

SHEET TITLE

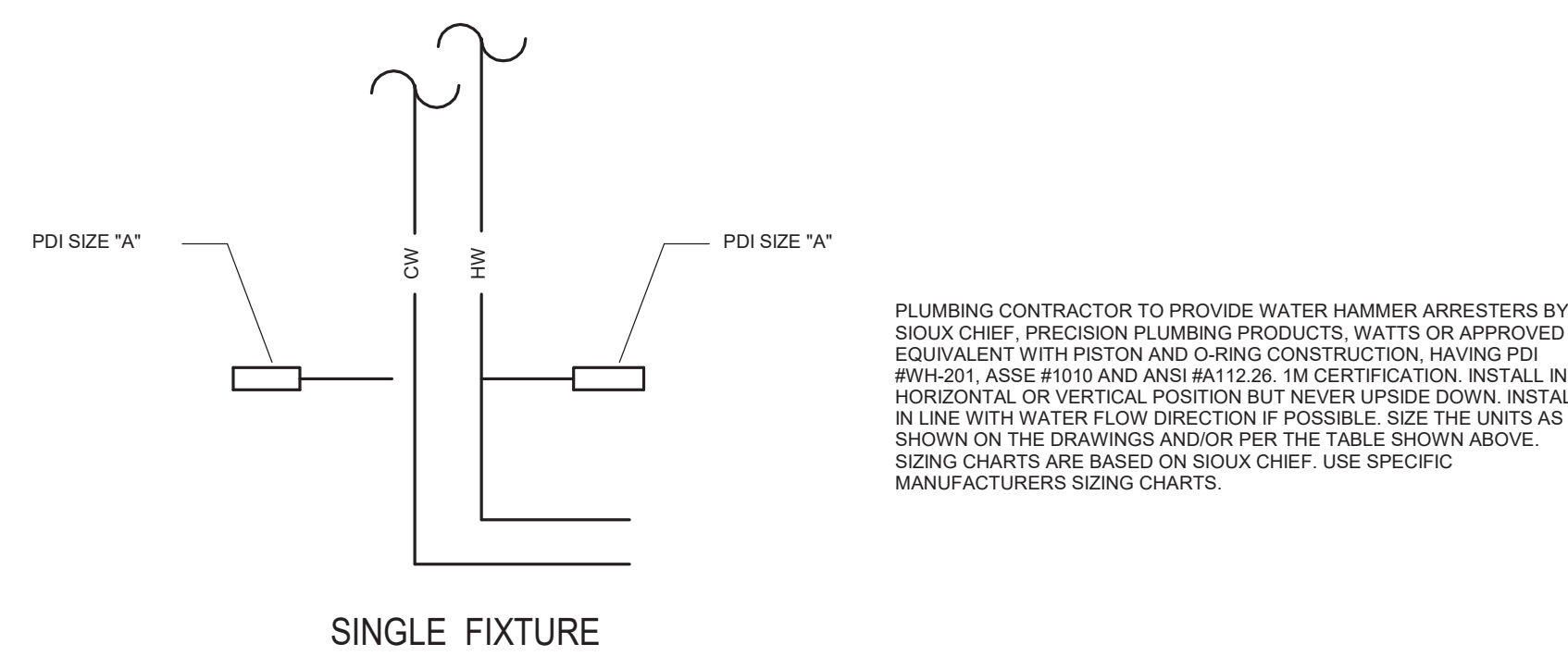
FOURTH LEVEL PLUMBING
PLAN COMPLETION

PROJECT NUMBER **CD**

SHEET NUMBER **1.P.204**

- A. SEE DRAWING P0001 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
- B. HORIZONTAL DRAINAGE PIPING SHALL BE INSTALLED IN UNIFORM ALIGNMENT AT UNIFORM SLOPES. THE SLOPE OF A HORIZONTAL DRAINAGE PIPE SHALL BE NOT LESS THAN THAT INDICATED IN TABLE 704.1 OF 2018 INTERNATIONAL PLUMBING CODE.
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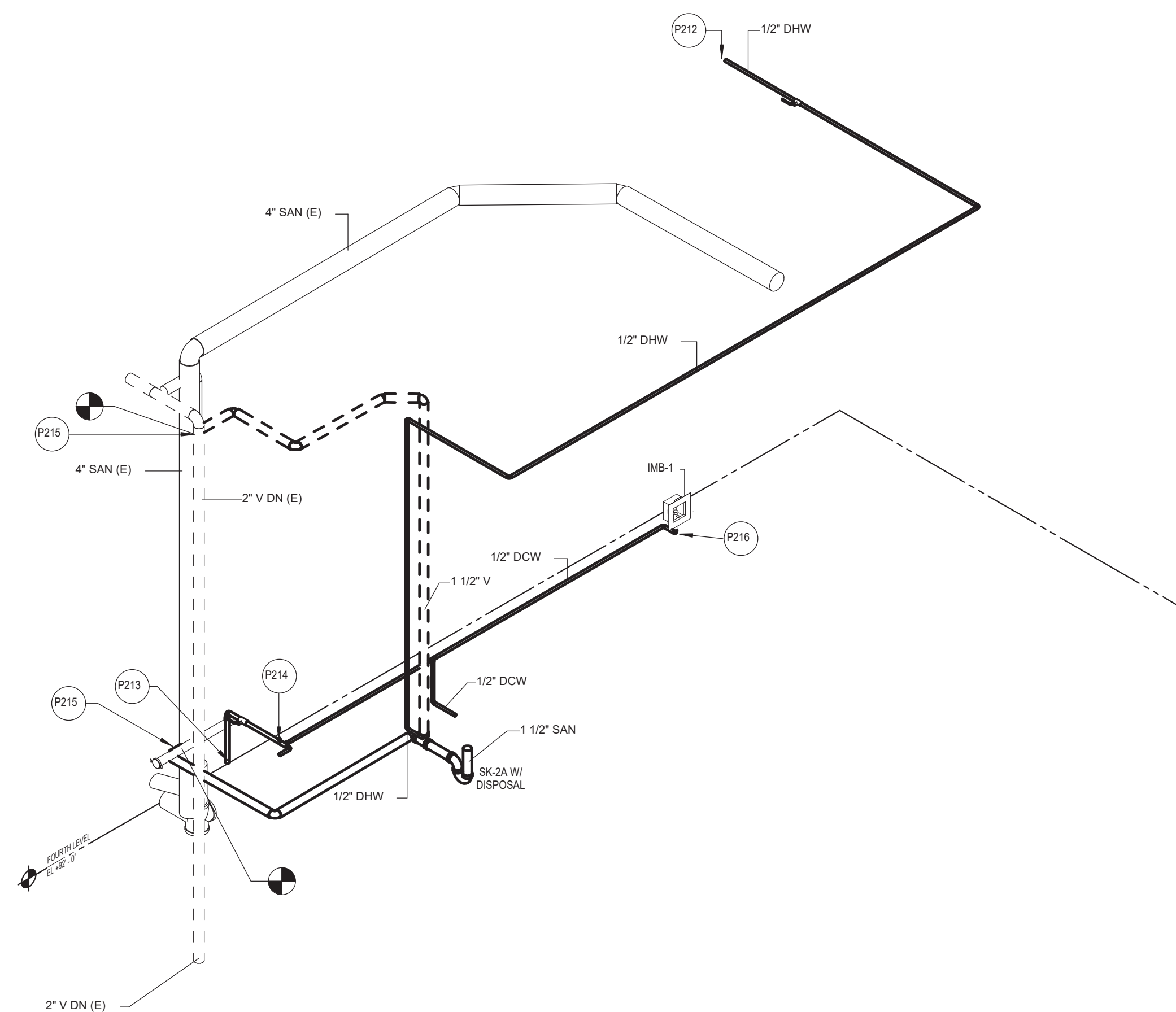
P209 (E) PIPE ABOVE CEILING TO REMAIN



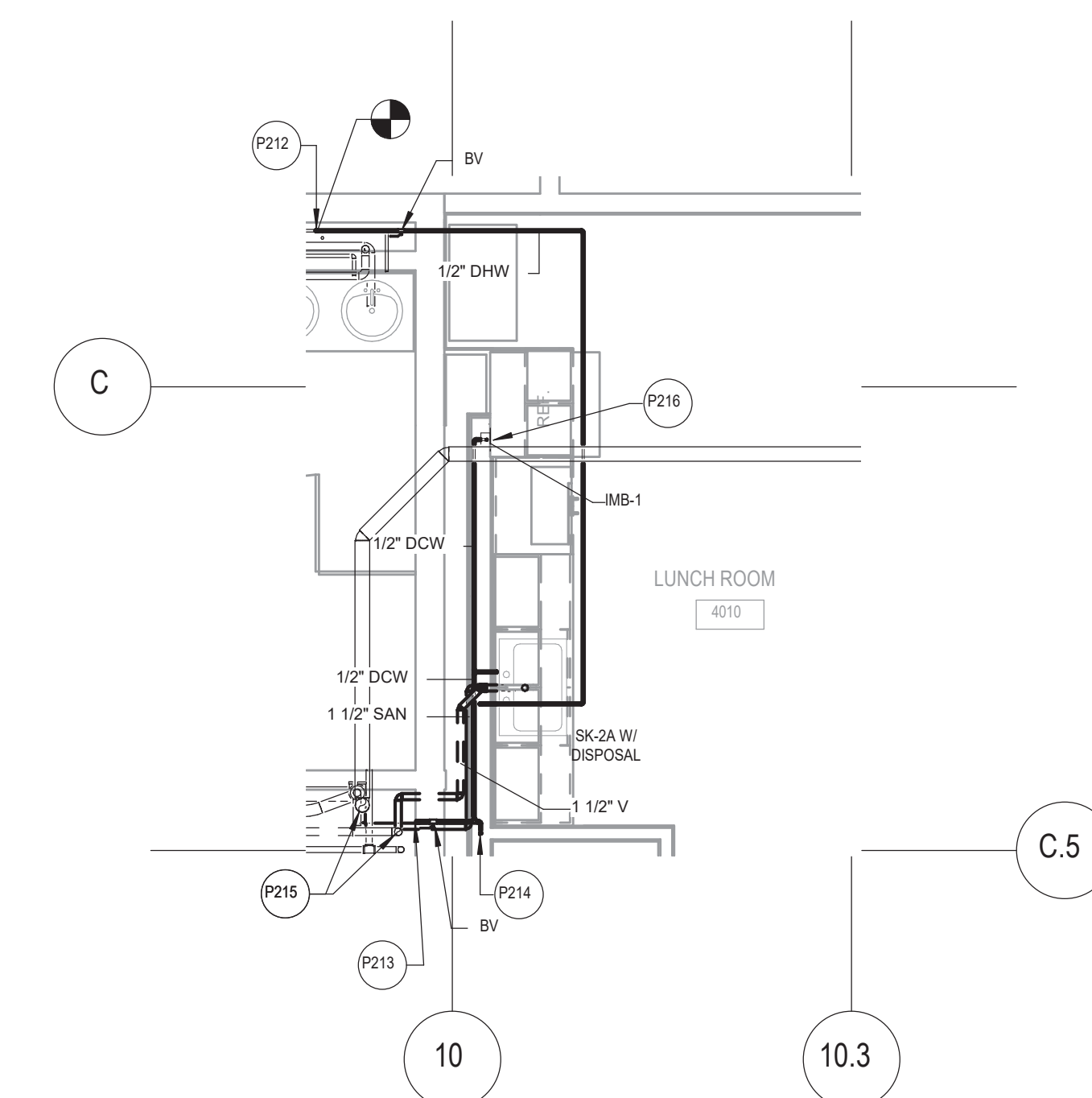
3 PLUMBING S
SCALE: 1" = 1'-0"



4 PLUMBING V
SCALE: 1/2" = 1'-0"



2 4TH F
SCALE:



1 FOURTH LEVEL
SCALE: 1/4" = 1'-0"

TAG	DESCRIPTION	SERVICE CONNECTIONS					MANUFACTURER	MODEL	FAUCET MANUFACTURER	FAUCET MODEL	REMARKS
		HOT WATER	COLD WATER	TRAP	WASTE PIPE	VENT PIPE					
IMB-1	SUPPLY VALVES RECESSED		1/2"				IPS Corporation				
SK-2A W/ DISPOSAL	SINK (KITCHEN) W/ DISPOSER	1/2"	1/2"	1 1/2"	2"	1 1/2"	ELKAY	GEOR2321 SERIES	ELKAY	LK1001 (WITH SPRAY)	USE MODEL # GEOR2321 R (4 DRILLED HOLES) WITH INSINERATOR EVOLUTION SERIES-USE CONJUNCTION COMPACT GARBAGE DISPOSAL. (SEE ELEC)

- A. SEE DRAWING P0001 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
- B. HORIZONTAL DRAINAGE PIPING SHALL BE INSTALLED IN UNIFORM ALIGNMENT AT UNIFORM SLOPES. THE SLOPE OF A HORIZONTAL DRAINAGE PIPE SHALL BE NOT LESS THAN THAT INDICATED IN TABLE 704.1 OF 2018 INTERNATIONAL PLUMBING CODE.
- C. ALL FLOOR DRAINS ARE REQUIRED TO HAVE TRAP PRIMERS.
- D. PLASTIC SANITARY AND VENT PIPE SHALL NOT BE USED ABOVE GRADE.
- E. ALL HORIZONTAL DRAINS SHALL BE PROVIDED WITH CLEANOUTS LOCATED NOT MORE THAN 100 FEET APART

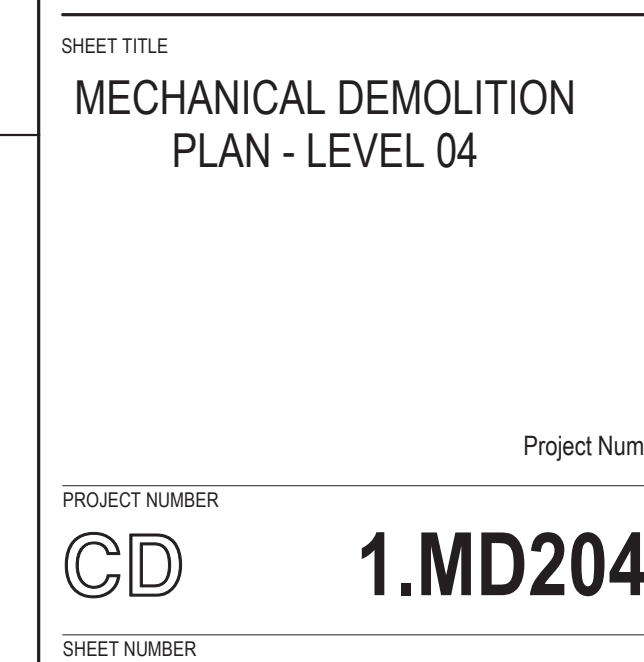
P212 CONNECT TO EXISTING DHW IN THE BATHROOM. PROVIDE A SHUTOFF VALVE.
P213 CONNECT TO EXISTING DCW IN THE BATHROOM CHASE.
P214 CAP OFF FOR FUTURE CONNECTION.
P215 CONNECT NEW SAN AND VENT PIPE TO EXISTING SYSTEM WITHIN RESTROOM CHASE.
P216 1/2" DCW TO REF. PROVIDE ICE MAKER BOX OATEY 39140.

SEALS AND SIGNATURES

NORTH

SHEET NUMBER

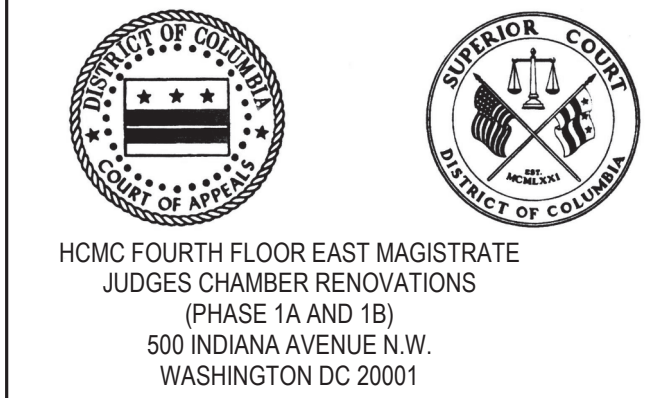
1.P.401



Plot Date:



- | | |
|------|--|
| M201 | CONNECT NEW 3X14" MAIN SUPPLY DUCTWORK TO SHAFT. KEEP AREA OUT OF SCOPE SERVED BY MAIN OPERATIONAL. ANY NECESSARY SHUTDOWN TO BE COORDINATED WITH DC COURTS. |
| M202 | CONNECT NEW 3X16" MAIN RETURN DUCTWORK TO SHAFT. KEEP AREA OUT OF SCOPE SERVED BY MAIN OPERATIONAL. ANY NECESSARY SHUTDOWN TO BE COORDINATED WITH DC COURTS. |
| M203 | CONNECT NEW 30X14" MAIN RETURN DUCTWORK TO SHAFT. |
| M204 | CONNECT NEW 3X14" MAIN DUCTWORK TO SHAFT. KEEP AREA OUT OF SCOPE SERVED BY MAIN OPERATIONAL. ANY NECESSARY SHUTDOWN TO BE COORDINATED WITH DC COURTS. |
| M205 | CONNECT EXISTING 36X6" RETURN DUCTWORK TO NEW 3X16X10" DUCTWORK. |
| M206 | CONNECT EXISTING 36X6" RETURN DUCTWORK TO NEW 30X14X10" RETURN DUCTWORK. |
| M207 | CONNECT EXISTING 12X6" SUPPLY DUCTWORK TO NEW 20X8" SUPPLY DUCTWORK. |
| M208 | CONNECT EXISTING 12X12" SUPPLY DUCTWORK TO NEW 3X14" SUPPLY DUCTWORK MAIN. KEEP AREA OUT OF SCOPE SERVED BY MAIN OPERATIONAL. ANY NECESSARY SHUTDOWN TO BE COORDINATED WITH DC COURTS. |
| M209 | CONNECT EXISTING 35X10" RETURN DUCTWORK TO NEW 38X10" RETURN DUCTWORK. |
| M210 | CONNECT NEW V4X415 TO EXISTING 6X6" SUPPLY DUCTWORK. |
| M220 | CONNECT NEW 6X6" SUPPLY DUCTWORK TO EXISTING 12X6" SUPPLY DUCTWORK. |
| M221 | OPEN ENT DUCT WITH WIRE MESH SCREEN. |



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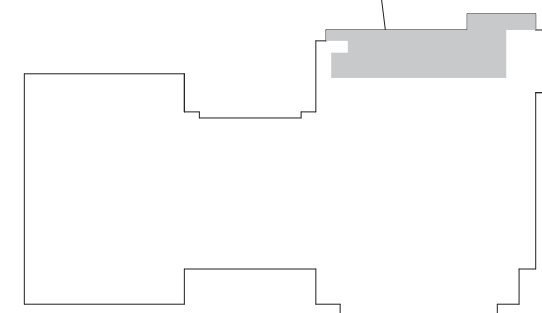
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202-479-2001

SEALS AND SIGNATURES

KEYPLAN



PROJECT AREA



SHEET TITLE

HVAC PIPING PLAN -
LEVEL 04

PROJECT NUMBER

CD
SHEET NUMBER

Project Number

1.M.304

8. REFER TO SHEET MOODY FOR MECHANICAL ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES.

9. THE EXISTING CONDITIONS INDICATED ARE BASED ON THE ORIGINAL DESIGN DRAWINGS AND A SITE SURVEY. SIGHT VARIATIONS IN LOCAL INSTALLATION MAY BE ENCOUNTERED DURING CONSTRUCTION. CONSTRUCTION SHALL MAKE NECESSARY ADJUSTMENTS TO THE EXISTING CONDITIONS TO CORRECT DISCREPANCIES TO THE DESIGN AND DESIGNER WHERE LEASAGE OCCURS.

10. CONTRACTOR SHALL VERIFY PROPER OPERATION OF ALL EXISTING EQUIPMENT IN AREA AFFECTED BY THIS WORK PRIOR TO CONSTRUCTION, WHERE DEPENDENCIES OCCUR. CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR ALL EXISTING EQUIPMENT.

11. CONTRACTOR SHALL PROVIDE PRE-FILTER MEDIA FOR ALL AIR HANDLING UNITS SERVING AREA UNDER CONSTRUCTION. RENEWAL AIR FILTERS ARE REQUIRED DURING THE COMPLETE WORK OF THE AREA. AT THE END OF CONSTRUCTION, CONTRACTOR SHALL REMOVE ALL PRE-FILTER MEDIA AND REPLACE ANY PERMANENT FILTER WITH NEW, CLEAN, FRESH MEDIA.

12. CLEAN ALL AIRWAYS PRIOR TO CONSTRUCTION.

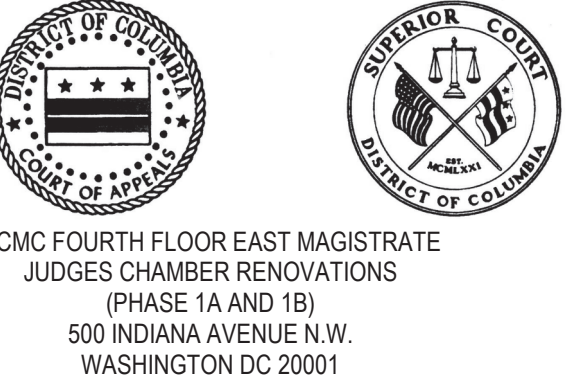
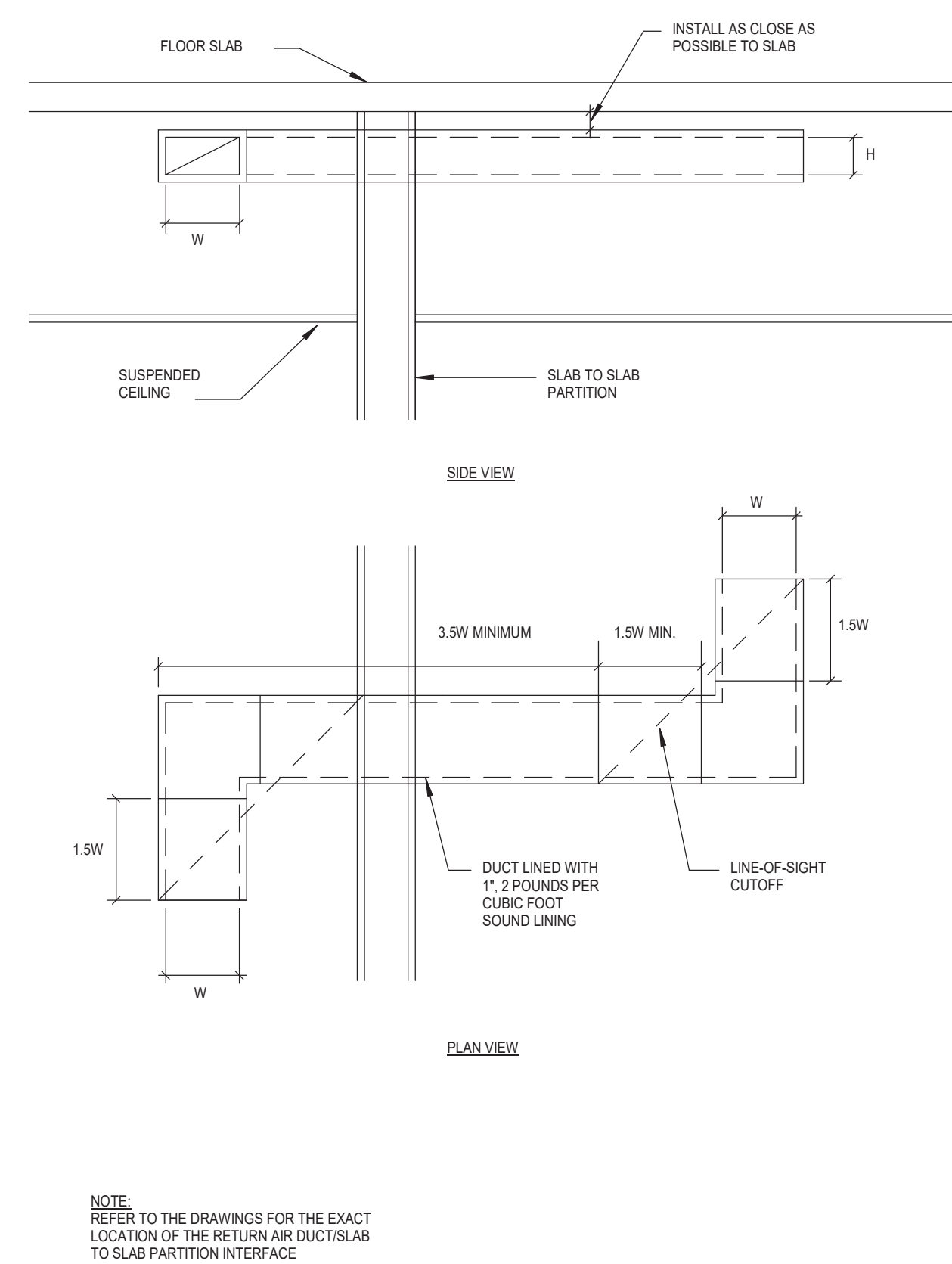
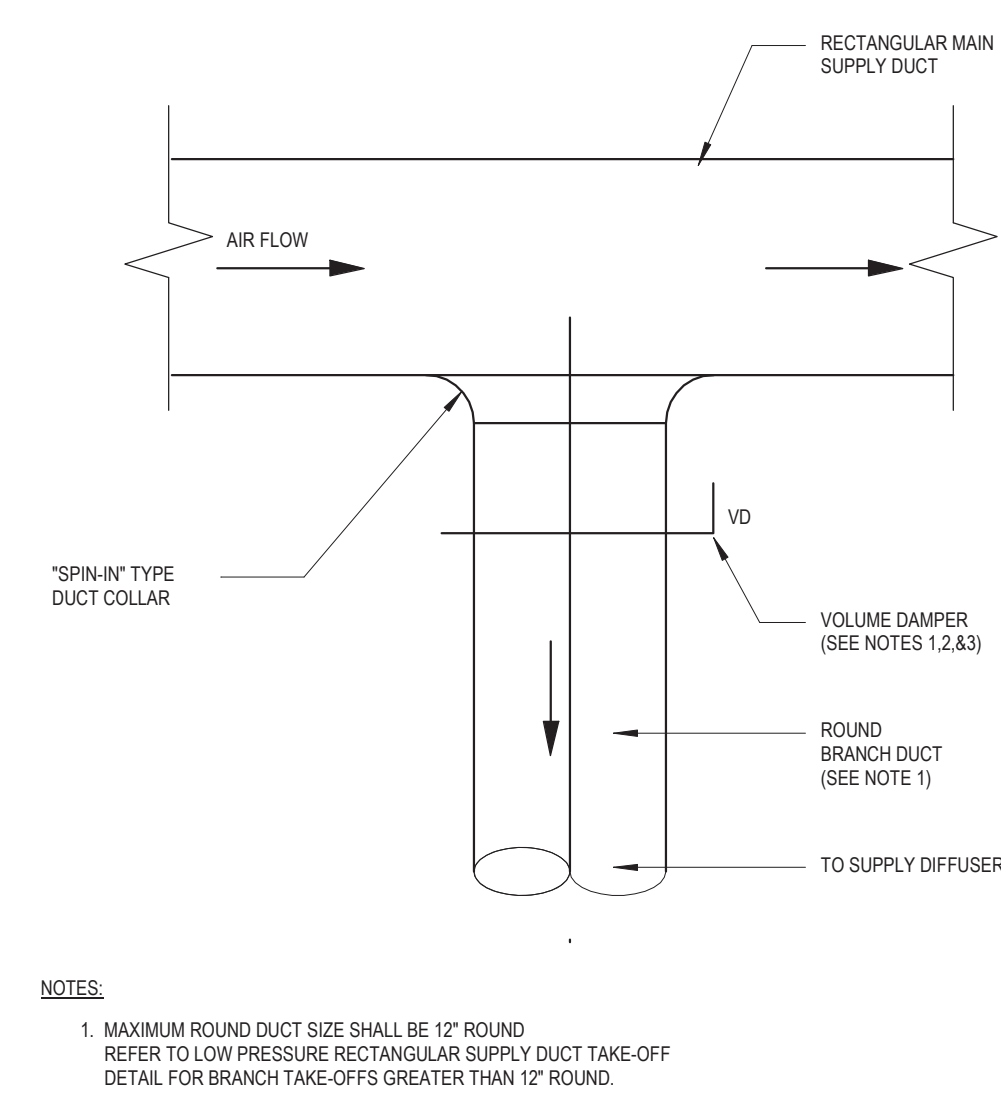
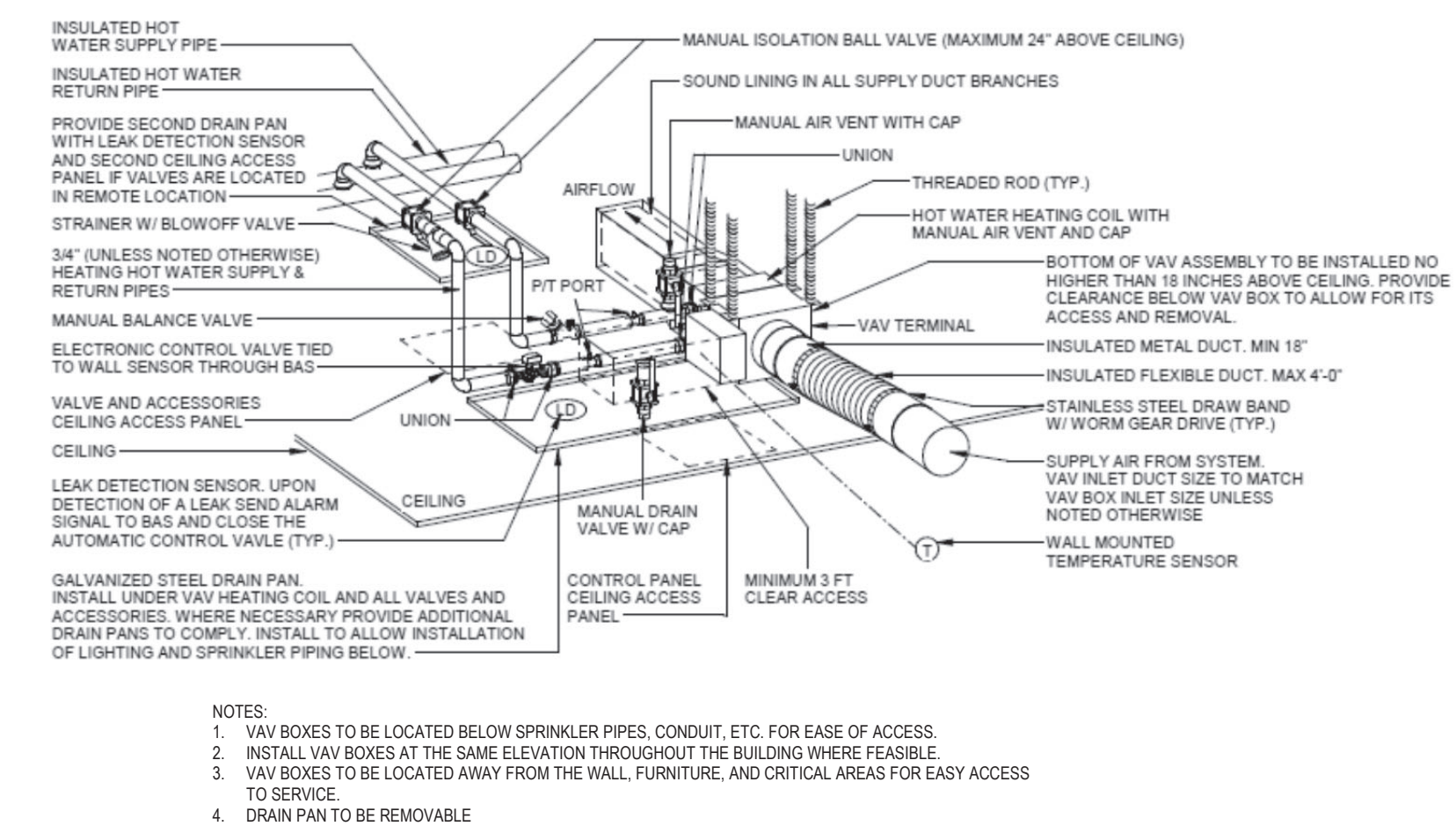
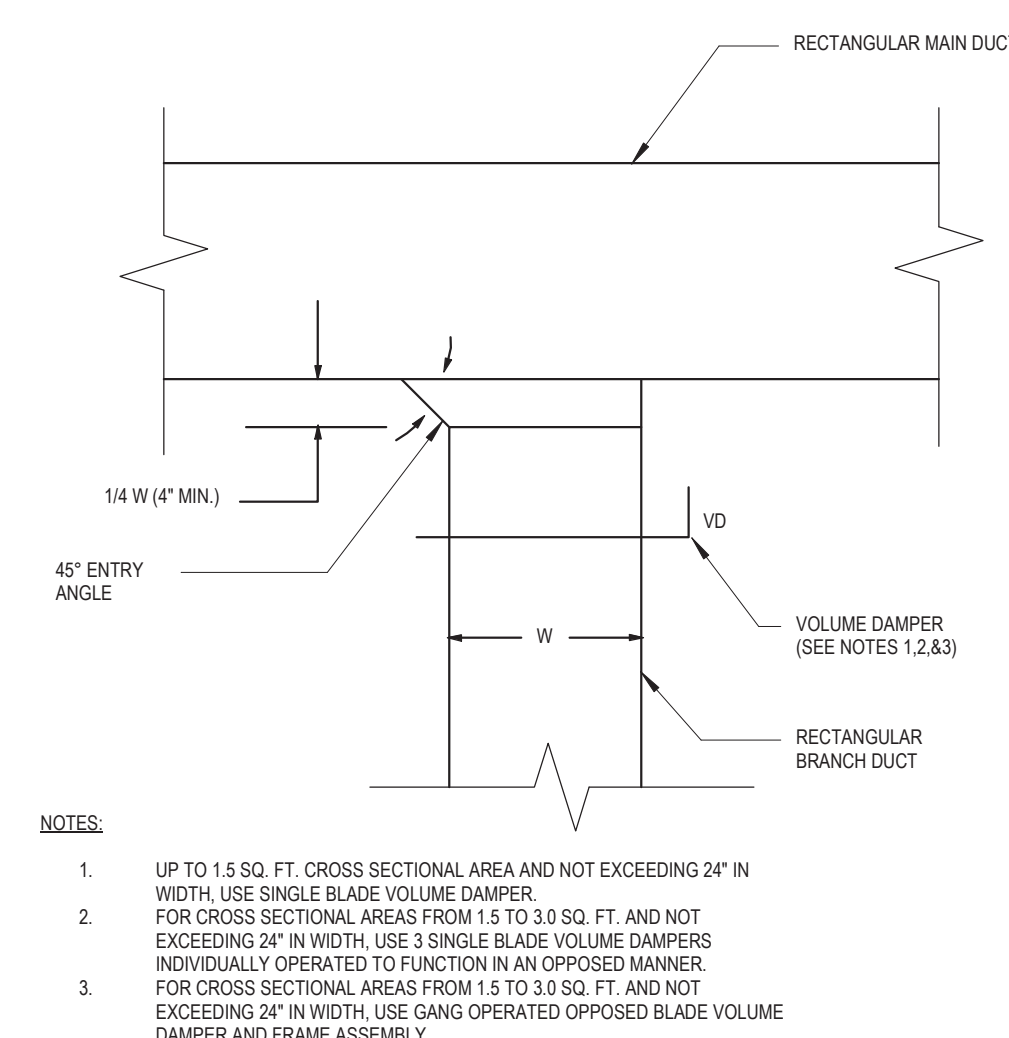
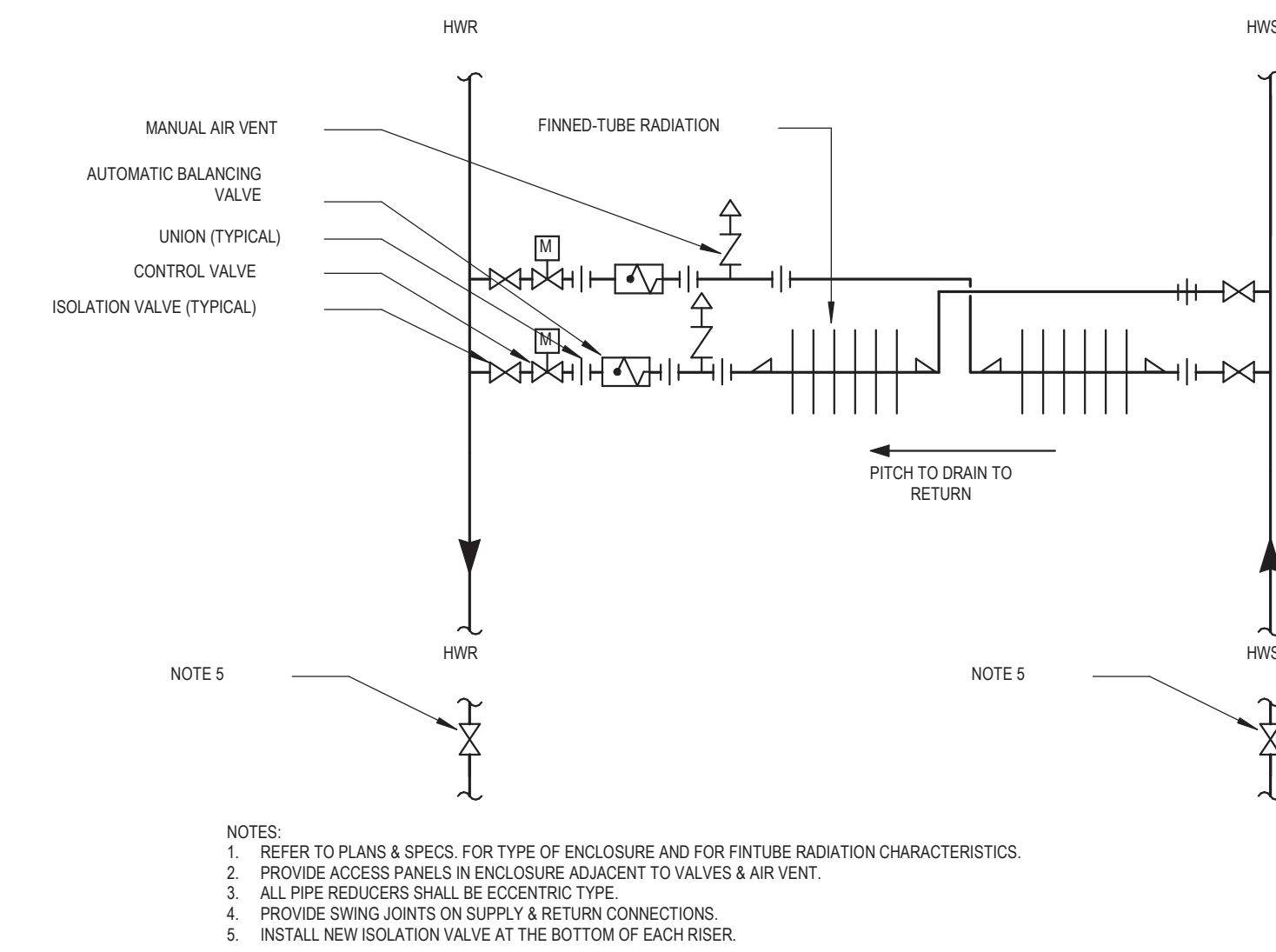
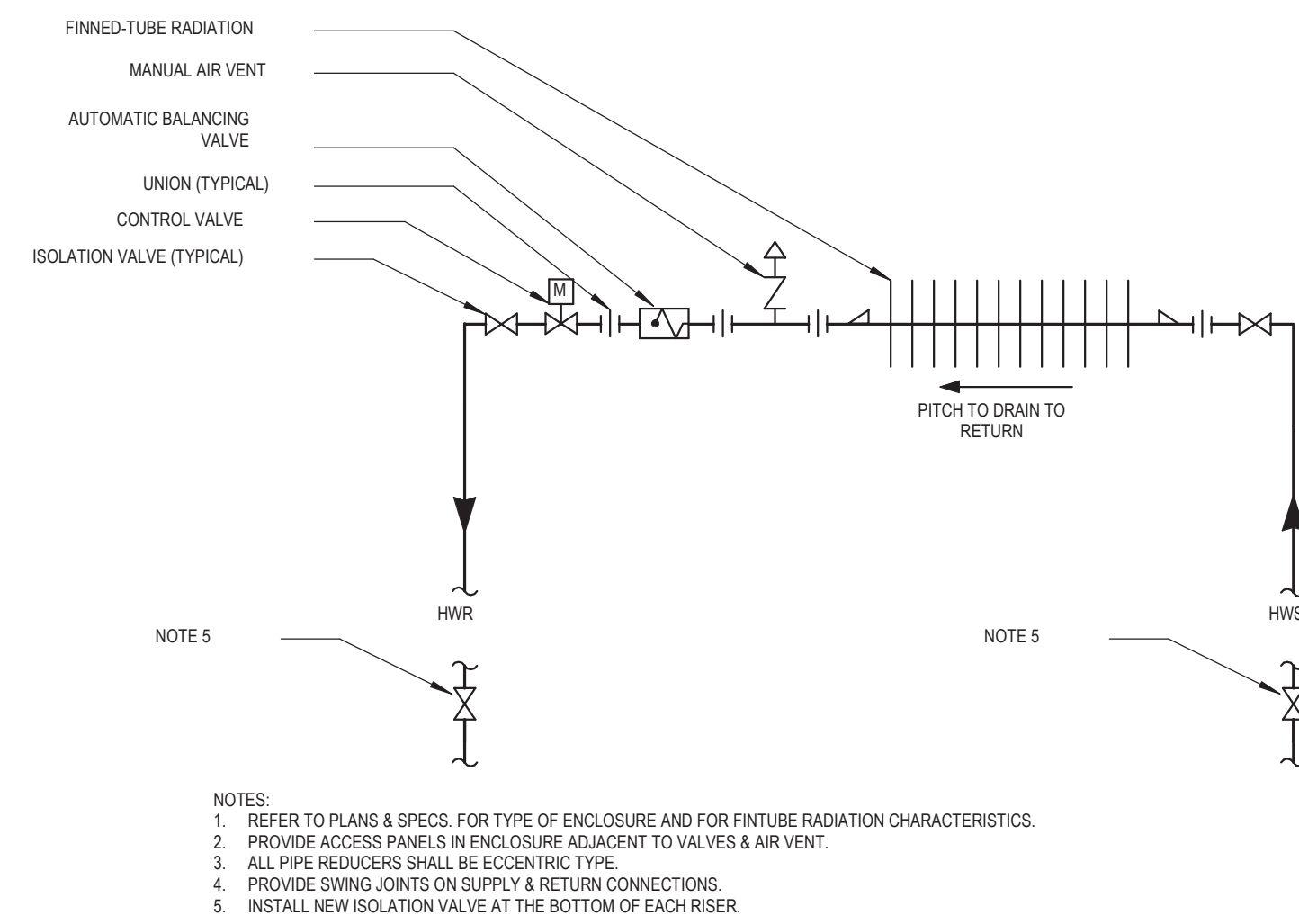
13. PROVIDE BOMBING CABLE REMOTE OPERATOR FOR ANY DIFFUSER THAT HAS AN ACCESSIBLE BOMBING ADJUSTMENT SHAFT. BE LOCATED IN CLEAN PENDING AND BE ACCESSIBLE FROM ACCESS POINT.

14. PROVIDE NEW EXISTING DUCTWORK FOR AIR RELOCATED OR SUPPLEMENT SUPPLY AIR DEVICES.

15. PROVIDE VOLUME DRAWS FOR ALL NEW DUCT TYPES.

16. PRIOR TO COMMENCING ANY DEMOLITION OR NEW WORK, PERFORM COMPLET TESTING AND AIR BALANCING WORK ON AFFECTED SYSTEMS.

M301	3/4" HEATING HOT WATER PIPING UP TYPICAL THROUGHOUT.
M302	PROVIDE AND CONNECT NEW FIN TUBE RADIATOR AND ACCESSORIES. SEE DETAIL FOR ADDITIONAL INFORMATION. EXISTING COVERS TO REMAIN, COORDINATE WITH ARCHITECTURAL DRAWINGS.
M303	PROVIDE AND CONNECT NEW ISOLATION VALVES FOR THE FIN TUBE RADIATOR. SEE DETAIL FOR ADDITIONAL INFORMATION.
M304	CONNECT NEW 3/4" HEATING HOT WATER PIPING TO EXISTING 1-1/4" HEATING HOT WATER PIPING.
M305	CONNECT NEW 3/4" HEATING HOT WATER PIPING TO EXISTING 1-1/2" HEATING HOT WATER PIPING.
M306	CONNECT NEW 1" HEATING HOT WATER PIPING TO EXISTING 1-1/4" HEATING HOT WATER PIPING.
M312	CONNECT NEW 3/4" HEATING HOT WATER PIPING TO EXISTING 1-1/4" HEATING HOT WATER PIPING.
M315	TEMPERATURE SENSOR TO THE INTO GAS TYPICAL THROUGHOUT.
M316	PROVIDE TAP AND GAS OPEN END FOR FUTURE USE.

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SEALS AND SIGNATURES

SHEET TITLE

MECHANICAL DETAILS

PROJECT NUMBER	Project Number
CD	1.M.601
SHEET NUMBER	

VOLUME CONTROL BOX SCHEDULE																
TAG	INLET SIZE	MIN AIRFLOW [CFM]	MAX AIRFLOW [CFM]	AIRSIDE DATA			REHEAT COIL DATA						BASIS OF DESIGN		REMARKS	
				HEATING AIRFLOW [CFM]	MAX AIR PD [IN.WG.]	MIN INLET SP [IN.WG.]	EAT [°F]	LAT [°F]	EWT [°F]	LWT [°F]	FLOW [GPM]	SENSIBLE CAPACITY [BTU/H]	MAX WATER PD [FT/H2O]	MANUFACTURER		MODEL
VAV-401	10	270	900	585	0.10	1.00	55	85	160	140	1.90	18954	5.00	TRANE	VCW	
VAV-402	8	160	625	160	0.10	1.00	55	72	160	140	0.29	2938	5.00	TRANE	VCW	
VAV-403	8	150	600	150	0.10	1.00	55	72	160	140	0.28	2754	5.00	TRANE	VCW	
VAV-404	6	90	350	145	0.10	1.00	55	85	160	140	0.47	4698	5.00	TRANE	VCW	
VAV-405	6	80	260	85	0.10	1.00	55	85	160	140	0.28	2754	5.00	TRANE	VCW	
VAV-406	6	105	350	105	0.10	1.00	55	84	160	140	0.33	3332	5.00	TRANE	VCW	
VAV-407	6	115	375	270	0.10	1.00	55	85	160	140	0.87	6748	5.00	TRANE	VCW	
VAV-408	6	75	250	165	0.10	1.00	55	85	160	140	0.58	5832	5.00	TRANE	VCW	
VAV-409	8	165	550	165	0.10	1.00	55	72	160	140	0.30	3029	5.00	TRANE	VCW	
VAV-410	6	55	175	120	0.10	1.00	55	85	160	140	0.39	3888	5.00	TRANE	VCW	
VAV-411	6	115	375	285	0.10	1.00	55	85	160	140	0.92	9234	5.00	TRANE	VCW	
VAV-412	10	210	700	415	0.10	1.00	55	85	160	140	1.34	13446	5.00	TRANE	VCW	
VAV-413	6	95	375	330	0.10	1.00	55	85	160	140	1.07	10902	5.00	TRANE	VCW	
VAV-414	8	130	425	130	0.10	1.00	55	72	160	140	0.24	2387	5.00	TRANE	VCW	

FIN TUBE RADIATION SCHEDULE															
TAG	TUBE SIZE	FIN SIZE	FINS PER INCH	TYPE	FTR LENGTH	CAPACITY / FT [BTU/Hr]	ACTIVE LENGTH	FLOW [GPM]	AVERAGE WATER TEMPERATURE [°F]	EAT [°F]	NUMBER OF ROWS		BASIS OF DESIGN		REMARKS
											HORIZONTAL	VERTICAL	MANUFACTURER	MODEL	
FTR-401	3/4"	4" - 0.1/4"	50	TOP OUTLET	7'-9"	790	6'-0"	1.0	150	70	1	1	STERLING	JVB-T	
FTR-402A	3/4"	4" - 0.1/4"	50	TOP OUTLET	7'-9"	790	6'-0"	1.0	150	70	1	1	STERLING	JVB-T	
FTR-402B	3/4"	4" - 0.1/4"	50	TOP OUTLET	7'-9"	790	6'-0"	1.0	150	70	1	1	STERLING	JVB-T	
FTR-403	3/4"	4" - 0.1/4"	50	TOP OUTLET	7'-9"	790	6'-0"	1.0	150	70	1	1	STERLING	JVB-T	
FTR-404	3/4"	4" - 0.1/4"	50	TOP OUTLET	7'-9"	790	6'-0"	1.0	150	70	1	1	STERLING	JVB-T	
FTR-405	3/4"	4" - 0.1/4"	50	TOP OUTLET	7'-9"	790	6'-0"	1.0	150	70	1	1	STERLING	JVB-T	
FTR-406	3/4"	4" - 0.1/4"	50	TOP OUTLET	7'-9"	790	6'-0"	1.0	150	70	1	1	STERLING	JVB-T	
FTR-407	3/4"	4" - 0.1/4"	50	TOP OUTLET	7'-9"	790	6'-0"	1.0	150	70	1	1	STERLING	JVB-T	
FTR-408	3/4"	4" - 0.1/4"	50	TOP OUTLET	7'-9"	790	6'-0"	1.0	150	70	1	1	STERLING	JVB-T	
FTR-409	3/4"	4" - 0.1/4"	50	TOP OUTLET	7'-9"	790	6'-0"	1.0	150	70	1	1	STERLING	JVB-T	
FTR-410	3/4"	4" - 0.1/4"	50	TOP OUTLET	7'-9"	790	6'-0"	1.0	150	70	1	1	STERLING	JVB-T	
FTR-411	3/4"	4" - 0.1/4"	50	TOP OUTLET	7'-9"	790	6'-0"	1.0	150	70	1	1	STERLING	JVB-T	
FTR-412	3/4"	4" - 0.1/4"	50	TOP OUTLET	7'-9"	790	6'-0"	1.0	150	70	1	1	STERLING	JVB-T	

GRILLE, REGISTER, AND DIFFUSER SCHEDULE												
TAG	TYPE	CFM RANGE	FACE SIZE	NECK SIZE	LINEAR DIFFUSER DATA			MAX AIR PD [IN-WG]	DISCHARGE SOUND (NC)	BASIS OF DESIGN		
					SLOT QUANTITY	SLOT WIDTH	SLOT LENGTH			MANUFACTURER	MODEL	REMARKS
E1-1	FIXED FACE	0-75	8x10	8"x6"	0	0" - 0"	0" - 0"	0.05	25	TITUS	23RL	
E1-2	FIXED FACE	76-125	8x12	6"x10"	0	0" - 0"	0" - 0"	0.05	25	TITUS	23RL	
E1-3	FIXED FACE	126-225	10x14	8"x12"	0	0" - 0"	0" - 0"	0.05	25	TITUS	23RL	
R1-1	PLAQUE FACE	0-200	24x24	8"x6"	0	0" - 0"	0" - 0"	0.13	20	TITUS	PAR	
R1-2	PLAQUE FACE	201-325	24x24	10"x6"	0	0" - 0"	0" - 0"	0.15	20	TITUS	PAR	
R1-3	PLAQUE FACE	326-450	24x24	12"x6"	0	0" - 0"	0" - 0"	0.13	20	TITUS	PAR	
R2-1	CONTINUOUS LINEAR	0-240	0" x 0"	8"x6"	3	0" - 1"	4" - 0"	0.02	20	TITUS	MLR-39	
S1-1	PLAQUE FACE	0-125	24x24	8"x6"	0	0" - 0"	0" - 0"	0.03	20	TITUS	PAS	
S1-2	PLAQUE FACE	126-200	24x24	8"x6"	0	0" - 0"	0" - 0"	0.07	20	TITUS	PAS	
S1-3	PLAQUE FACE	201-250	24x24	10"x6"	0	0" - 0"	0" - 0"	0.05	20	TITUS	PAS	
S1-4	PLAQUE FACE	251-350	24x24	12"x6"	0	0" - 0"	0" - 0"	0.06	20	TITUS	PAS	
S2-1	CONTINUOUS LINEAR	0-125	-	8"x6"	2	0" - 1"	4" - 0"	0.04	20	TITUS	ML-39	
S2-2	CONTINUOUS LINEAR	126-250	-	10"x6"	3	0" - 1"	4" - 0"	0.03	20	TITUS	ML-39	
S3-1	SIDEWALL	0-150	8x8	6"x6"	0	0" - 0"	0" - 0"	0.12	20	TITUS	217RL	

NOTES:
1. PROVIDE LINEAR DIFFUSER WITH INSULATED FACTORY PLENUM.
2. COORDINATE FINISH COLOR WITH ARCHITECT.
3. PROVIDE GRILLES WITH 3/4" SPACING AND 0° DEFLECTION IN CEILINGS.
4. PROVIDE GRILLES WITH 3/4" SPACING AND 45° DEFLECTION IN WALLS.



HCMC FOURTH FLOOR EAST MAGISTRATE
JUDGES CHAMBER RENOVATIONS
(PHASE 1A AND 1B)
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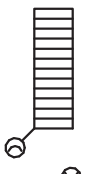
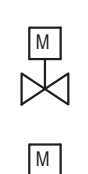
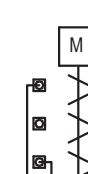
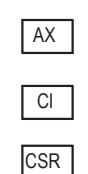
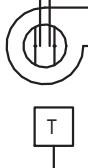

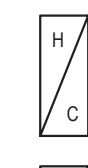

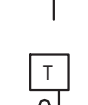
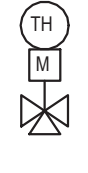
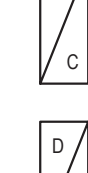
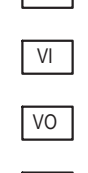
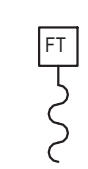
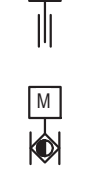

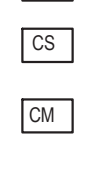
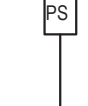
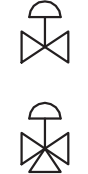
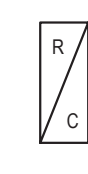
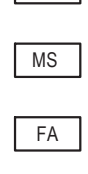
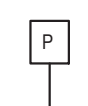

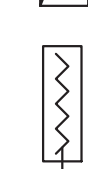





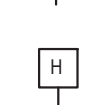
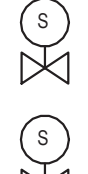


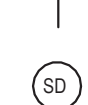
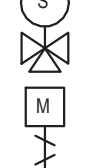
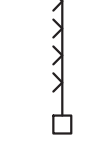
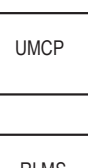
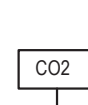
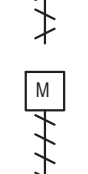
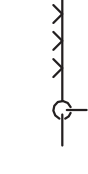
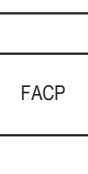

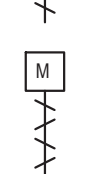
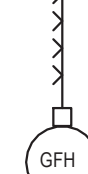




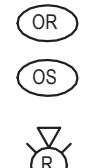

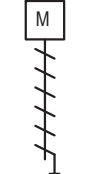

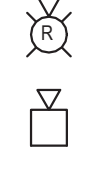



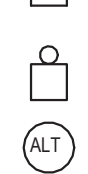
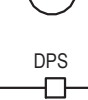



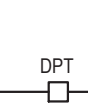


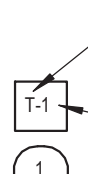

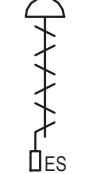


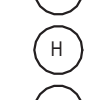

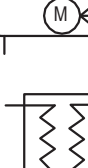


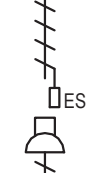
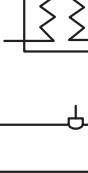
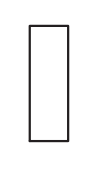
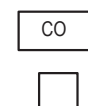
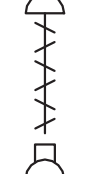

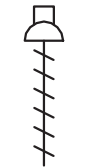

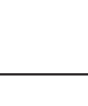


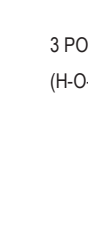
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SEALS AND SIGNATURES

MECHANICAL SCHEDULES

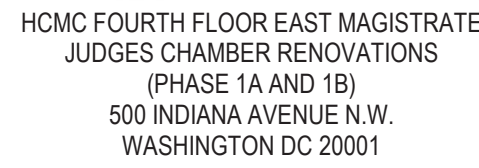
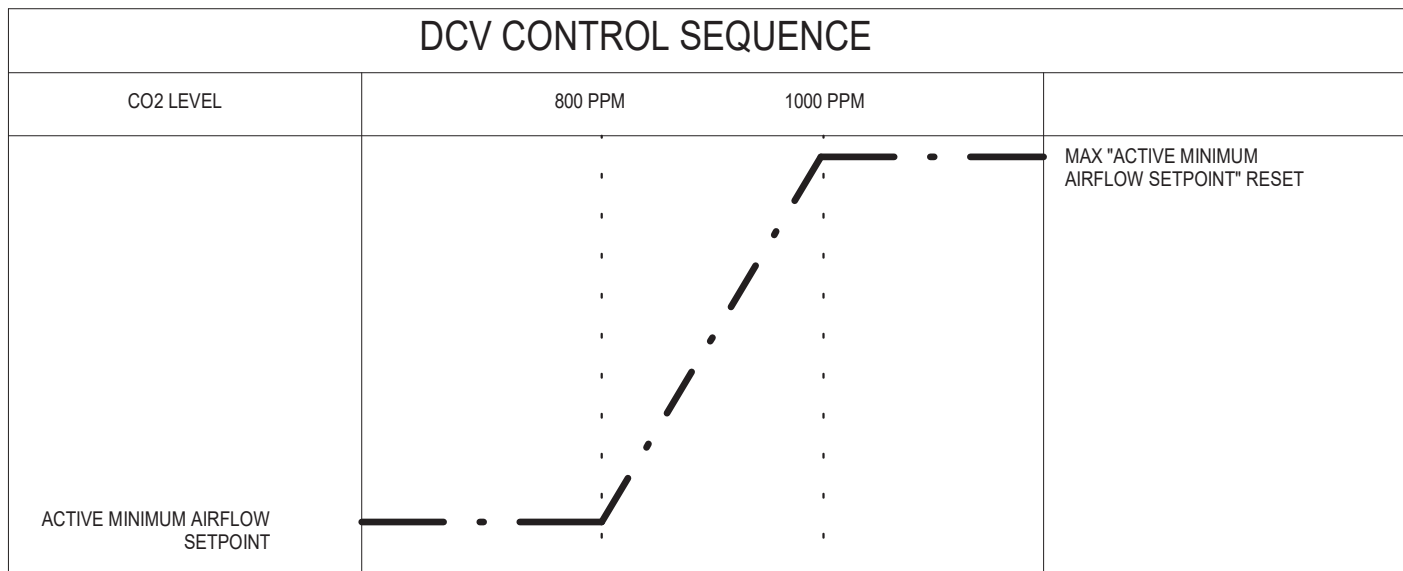
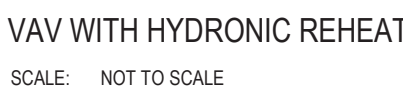
PROJECT NUMBER
CD 1.M.701
 SHEET NUMBER

BMS POINT FUNCTION DESCRIPTIONS

SENSING COMPONENTS		CONTROL COMPONENTS		FILTER TYPE DIAGRAMS			
	AIR FLOW MEASURING STATION (DUCT)		2-WAY ELECTRIC CONTROL VALVE		INTEGRAL FACE & BYPASS STEAM HEATING COIL		AUXILIARY CONTACT
	FAN INLET BELL HOUSING AIR FLOW MEASURING STATION		3-WAY ELECTRIC CONTROL VALVE		HOT WATER OR STEAM HEATING COIL		CURRENT INPUT
	TEMPERATURE SENSOR		2-WAY CONTROL VALVE WITH INTEGRAL THERMOSTAT		CHILLED WATER COOLING COIL		CURRENT SENSING RELAY
	TEMPERATURE SENSOR (AVERAGING)		3-WAY CONTROL VALVE WITH INTEGRAL THERMOSTAT		DIRECT EXPANSION HEATING & COOLING COIL		CURRENT TRANSDUCER
	FREEZESTAT		BUTTERFLY VALVE ELECTRIC ACTUATOR		WATERSIDE ECONOMIZER COOLING COIL		ENABLE / DISABLE
	PRESSURE SWITCH		SEGMENTED BALL VALVE ELECTRIC ACTUATOR		ENERGY RECOVERY COIL		SET POINT
	PRESSURE SENSOR OR PRESSURESTAT		2-WAY PNEUMATIC CONTROL VALVE		ELECTRIC DUCT HEATER		START / STOP
	FLOW SWITCH		3-WAY PNEUMATIC CONTROL VALVE		GAS FIRED DUCT HEATER		VOLTAGE INPUT
	RELATIVE HUMIDITY SENSOR (DUCT)		BUTTERFLY VALVE PNEUMATIC ACTUATOR		ELECTRIC HUMIDIFIER		VOLTAGE OUTPUT
	SMOKE DETECTOR (DUCT)		SEGMENTED BALL VALVE PNEUMATIC ACTUATOR		UNIT MANUFACTURERS CONTROL PANEL		VIBRATION SWITCH
	CARBON DIOXIDE SENSOR (DUCT)		2-WAY SOLENOID VALVE		FIRE ALARM INTERFACE		CURRENT SWITCH
	CARBON MONOXIDE SENSOR (DUCT)		3-WAY SOLENOID VALVE		VARIABLE FREQUENCY DRIVE		CONTROL MODULE
	FLOW METER		OPPOSED BLADE DAMPER - ELECTRIC ACTUATOR		ELECTRONICALLY COMMUTATED MOTOR		TIME DELAY RELAY
	LEVEL SENSOR		PARALLEL BLADE DAMPER - ELECTRIC ACTUATOR		ELECTRIC TO PNEUMATIC SWITCH		MOTOR STARTER
	REFRIGERANT LEAK SENSING POINT		OPPOSED BLADE DAMPER WITH END SWITCH - ELECTRIC ACTUATOR		ELECTRIC TO PNEUMATIC VALVE		FIRE ALARM INTERFACE
	STATIC PRESSURE SENSOR		PARALLEL BLADE DAMPER WITH END SWITCH - ELECTRIC ACTUATOR		ROTATION MONITORING SENSOR		VARIABLE FREQUENCY DRIVE
	DIFFERENTIAL PRESSURE SWITCH		OPPOSED BLADE DAMPER - PNEUMATIC ACTUATOR		UNIT MANUFACTURERS CONTROL PANEL		ELECTRONICALLY COMMUTATED MOTOR
	DIFFERENTIAL PRESSURE SENSOR		PARALLEL BLADE DAMPER - PNEUMATIC ACTUATOR		FIRE ALARM CONTROL PANEL		ELECTRIC TO PNEUMATIC VALVE
	SPACE TEMPERATURE SENSOR		OPPOSED BLADE DAMPER WITH END SWITCH - PNEUMATIC ACTUATOR		EMERGENCY PUSH BUTTON		FIRE ALARM INTERFACE
	SPACE HUMIDITY SENSOR		PARALLEL BLADE DAMPER WITH END SWITCH - PNEUMATIC ACTUATOR				
	HUMIDISTAT		OPPOSED BLADE DAMPER - PNEUMATIC ACTUATOR				
	HYDROGEN SENSOR (WALL)						
	CARBON DIOXIDE SENSOR (WALL)						
	CARBON MONOXIDE SENSOR (WALL)						
	AIR FILTER WITH DIFFERENTIAL PRESSURE SENSOR AND PRESSURE GAUGE		PARALLEL BLADE DAMPER PNEUMATIC ACTUATOR WITH POSITIONER				
	</						

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MECHANICAL CONTROLS ABBREVIATIONS AND SYMBOLS	
PROJECT NUMBER	Project Number
CD	1.M.801
SHEET NUMBER	



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SEALS AND SIGNATURES

SHEET TITLE

MECHANICAL CONTROLS

Project Number

PROJECT NUMBER:



SHEET NUMBER

POKE-THRU ASSEMBLY SCHEDULE								
TAG	DEVICE SIZE	CONFIGURATION	B.O.D. DEVICE MODEL	B.O.D. COVER MODEL	FINISHES	CONTROLLED DUPLEX RECEPTACLE QUANTITY	NON-CONTROLLED DUPLEX RECEPTACLE QUANTITY	NOTES
PT3	7 1/4" D X 16 1/4" H	3-GANGS OF CAPACITY	WIREMOLD, EVOLUTION, 6AT SERIES OR APPROVED EQUAL	DIE-CAST ALUMINUM FLUSH STYLE COVER: 6AT2PXX	COORDINATION POWDER COATED FINISH WITH ARCHITECT	0	2	01

FURNITURE FEED ASSEMBLY SCHEDULE								
TAG	DEVICE SIZE	CONFIGURATION	B.O.D. DEVICE MODEL	B.O.D. COVER MODEL	FINISHES	POWER CONDUIT	LT./A.V. CONDUIT	NOTES
FF2	8 1/4" D X 16 9/16" H	2-GANGS OF CAPACITY	WIREMOLD, EVOLUTION, 4FFATC16 SERIES OR APPROVED EQUAL	DIE-CASE ALUMINUM FLUSH STYLE COVER: 4FFATCXX	COORDINATION POWDER COATED FINISH WITH ARCHITECT	1" MINIMUM	REFERENCE T SERIES DRAWINGS	POKE-THRU APPLICATION, SEE E6 SERIES FOR DETAILS (1)

- GENERAL NOTES:
1. COORDINATE WITH AVIT DRAWINGS FOR ALL DATA AND AV REQUIREMENTS.
2. ALL DEVICES LISTED SHALL BE RECESSED, PRE-WIRED, AND COMPLETE MINIMUM 2-HOUR, FIRE-RATED ASSEMBLIES.
3. ACCESSORIES FOR COMPLETE DEVICE CONNECTIONS SHALL BE PROVIDED FOR ALL LISTED DEVICES.
4. PROVIDE VOLTAGE DIVIDER TO SEPARATE LOW VOLTAGE COMPARTMENTS FROM 120V POWER COMPARTMENTS.
5. COORDINATE WITH ARCHITECT TO FEATHER AROUND BOX AND ENSURE FINISH IS FLUSH. CONTRACTOR TO PROVIDE AND INSTALL ALL ACCESSORIES TO MAKE FLOORBOX DEVICE FLUSH WITH FLOORING.

KEYED NOTES:
(1) PROVIDE DEVICE MOUNTING PLATE FOR PASS-THRU FOR LOW VOLTAGE CABLES.

FEEDER & BRANCH CIRCUIT SIZING SCHEDULE - NONLINEAR LOADS					
(NOTES 1 & 2)					
OVERCURRENT DEVICE RATING (AMPERES)	WIRE SIZE - AWG OR KCMIL		CONDUIT SIZE		
	PHASE & NEUTRAL	E.G.	4 WIRE (2PH & 2N)	5 WIRE (NOTE-7)	6 WIRE (3PH & 3N)
15-20	12	12	3/4"	3/4"	3/4"
25-30	10	10	3/4"	3/4"	3/4"
35-40	8	10	3/4"	1"	1"
45-50	8(6)	10	3/4"(1")	1"	1"(1 1/4")
60	6(4)	10	1"(1 1/4")	1"(1 1/4")	1 1/4"
70	6(4)	8	1"(1 1/4")	1"(1 1/4")	1 1/4"
80-90	4(2)	8	1 1/4"	1 1/4"(1 1/2")	1 1/4"(1 1/2")
100	3(2)	8	1 1/4"	1 1/2"	1 1/2"
110	2(1)	6	1 1/2"	2"	2"
125	1(1/0)	6	1 1/2"(2")	2"	2"
150	1/0	6	2"	2"	2"
175	2/0	6	2"	2"	2 1/2"
200	3/0	6	2"	2 1/2"	2 1/2"
225	4/0	4	2 1/2"	2 1/2"	3"
250	250	4	3"	3"	3"
300	350	4	3"	3 1/2"	3 1/2"
350	500	3	3 1/2"	4"	4"
400	2-3/0	2-3	2-2"	2-2 1/2"	2-2 1/2"
450	2-4/0	2-2	2-2 1/2"	2-2 1/2"	2-3"
500	2-250	2-2	2-3"	2-3"	2-3"
600	2-350	2-1	2-3"	2-3 1/2"	2-3 1/2"
700	2-500	2-1/0	2-3 1/2"	2-4"	2-4"
800	3-300	3-1/0	3-3"	3-3 1/2"	3-3 1/2"
1000	3-400	3-2/0	3-3"	3-3 1/2"	3-4"
1200	4-350	4-3/0	4-3"	4-3 1/2"	4-3 1/2"
1600	5-400	5-4/0	5-3"	5-3 1/2"	5-4"
2000	6-400	6-250	6-3"	6-3 1/2"	6-4"

FEEDER & BRANCH CIRCUIT SIZING SCHEDULE - GENERAL PURPOSE					
(NOTES 1 & 2)					
OVERCURRENT DEVICE RATING (AMPERES)	WIRE SIZE - AWG OR KCMIL		CONDUIT SIZE		
	PHASE & NEUTRAL	E.G.	2 WIRE	3 WIRE	4 WIRE
15-20	12	12	3/4"	3/4"	3/4"
25-30	10	10	3/4"	3/4"	3/4"
35-40	8	10	3/4"	3/4"	3/4"
45-50	8(6)	10	3/4"	3/4"	3/4"(1")
60	6(4)	10	3/4"(1")	3/4"(1")	1"(1 1/4")
70	6(4)	8	3/4"(1")	3/4"(1")	1"(1 1/4")
80-90	4(2)	8	1"	1"(1 1/4")	1 1/4"
100	3(2)	8	1"(1 1/4")	1 1/4"	1 1/4"
110	2(1)	6	1 1/4"	1 1/4"(1 1/2")	1 1/4"(1 1/2")
125	1(1/0)	6	1 1/4"	1 1/2"	1 1/2"(2")
150	1/0	6	1 1/4"	1 1/2"	2"
175	2/0	6	1 1/2"	2"	2"
200	3/0	6	1 1/2"	2"	2"
225	4/0	4	2"	2"	2 1/2"
250	250	4	2"	2 1/2"	2 1/2"
300	350	4	2 1/2"	3"	3"
350	500	3	3"	3"	3 1/2"
400	2-3/0	2-3	2-2"	2-2"	2-2"
450	2-4/0	2-2	2-2"	2-2"	2-2 1/2"
500	2-250	2-2	2-3"	2-2 1/2"	2-2 1/2"
600	2-350	2-1	2-2 1/2"	2-3"	2-3"
700	2-500	2-1/0	2-3"	2-3"	2-3 1/2"
800	3-300	3-1/0	3-2 1/2"	3-3"	3-3"
1000	3-400	3-2/0	3-2 1/2"	3-3"	3-3"
1200	4-350	4-3/0	4-2 1/2"	4-3"	4-3"
1600	5-400	5-4/0	5-2 1/2"	5-3"	5-3"
2000	6-400	6-250	6-2 1/2"	6-3"	6-3"

480V., THREE PHASE CIRCUIT LENGTH TABLE																									
BREAKER AMPACITY (AMPS)	MAX. CIRCUIT LOAD (AMPS)	MAXIMUM LENGTH IN FEET																							
		NO.12	NO.10	NO.8	NO.6	NO.4	NO.2	NO.1	1/0	2/0	3/0	4/0	250	350	500	2-3/0	2-4/0	2-250	2-350	2-500	3-300	3-400	4-350	5-400	6-400
20	16	253	403	642	1019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	24	-	269	428	679	1079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	32	-	-	321	509	809	1293	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	40	-	-	-	408	648	1034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	48	-	-	-	-	540	862	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	56	-	-	-	-	-	739	928	1169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80	64	-	-	-	-	-	646	812	1023	1286	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90	72	-	-	-	-	-	574	722	909	1143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100	80	-	-	-	-	-	-	660	818	1029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
125	100	-	-	-	-	-	-	655	823	1043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150	120	-	-	-	-	-	-	546	689	869	1107	-	-	-	-	-	-	-	-	-	-	-	-	-	-
175	140	-	-	-	-	-	-	-	588	745	949	1110	-	-	-	-	-	-	-	-	-	-	-	-	-
200	160	-	-	-	-	-	-	-	-	652	830	971	1360	-	-	-	-	-	-	-	-	-	-	-	-
225	180	-	-	-	-	-	-	-	-	-	738	863	1209	1743	-	-	-	-	-	-	-	-	-	-	-
250	200	-	-	-	-	-	-	-	-	-	777	1088	1569	1043	-	-	-	-	-	-	-	-	-	-	-
300	240	-	-	-	-	-	-	-	-	-	-	907	1307	869	1107	-	-	-	-	-	-	-	-	-	-
350	280	-	-	-	-	-	-	-	-	-	-	1120	745	949	1110	-	-	-	-	-	-	-	-	-	-
400	320	-	-	-	-	-	-	-	-	-	-	-	652	830	971	1360	-	-	-	-	-	-	-	-	-
450	360	-	-	-	-	-	-	-	-	-	-	-	-	738	863	1209	-	-	-	-	-	-	-	-	-
500	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	777	1088	1569	-	-	-	-	-	-	-
600	480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	907	1307	1165	-	-	-	-	-	-
700	560	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1120	999	1346	-	-	-	-	-
800	640	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	874	1177	1360	-	-	-	-
1000	800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	942	1088	1569	-	-	-
1200	960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	907	1307	-	-	-
1600	1200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	980	1226	1307	-
1800	1440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1089	1177	-
2000	1600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	980	1137	-

120V. SINGLE PHASE CIRCUIT LENGTH TABLE									
BREAKER AMPACITY (AMPS)	MAX. CIRCUIT CURRENT (AMPS)	MAX. CIRCUIT LOAD (VA)	MAXIMUM LENGTH IN FEET						
			NO.12	NO.10	NO.8	NO.6	NO.4		
20	4	480	220	349	556	882	-	-	-
	8	960	110	174	278	441	701		
	12	1440	73	116	185	294	467		
	16	1920	55	87	139	221	350		
30	24	2880	-	58	93	147	234		
40	32	3840	-	-	70	110	175		
50	40	4800	-	-	-	88	140		
60	48	5760	-	-	-	-	117		

277V. SINGLE PHASE CIRCUIT LENGTH TABLE				
BREAKER AMPACITY (AMPS)		MAXIMUM LENGTH IN FEET		
		NO. 12	NO. 10	
20		200	300	

208V. SINGLE PHASE CIRCUIT LENGTH TABLE									
BREAKER AMPACITY (AMPS)	MAX. CIRCUIT CURRENT (AMPS)	MAX. CIRCUIT LOAD (VA)	MAXIMUM LENGTH IN FEET						
			NO.12	NO.10	NO.8	NO.6	NO.4		
20	4	832	380	605	964	-	-		
	8	1664	190	302	482	765	-		
	12	2496	127	202	321	510	810		
	16	3328	95	151	241	382	607		
30	24	4992	-	101	161	255	405		
40	32	6656	-	-	121	191	304		
50	40	8320	-	-	-	153	243		
60	48	9984	-	-	-	-	202		

CIRCUIT MAXIMUM DISTANCE TABLES				
NOTES:				
1. CIRCUIT MAXIMUM DISTANCE IS BASED ON NEC CHAPTER 9, TABLE 8 CONDUCTOR PROPERTIES FOR COATED COPPER CONDUCTORS AT 75 DEGREES CELSIUS.				

208V. THREE PHASE CIRCUIT LENGTH TABLE							
BREAKER AMPACITY (AMPS)	MAX. CIRCUIT CURRENT (A)	MAX. CIRCUIT LOAD (VA)	MAXIMUM LENGTH IN FEET				
			NO.12	NO.10	NO.8	NO.6	NO.4
20	4	1440	439	698	1113	-	-
	8	2880	220	349	557	883	-
	12	4320	127	233	371	589	935
	16	5760	95	175	278	442	701
30	24	8640	-	116	186	294	468
40	32	11520	-	-	139	221	351
50	40	14400	-	-	-	177	281
60	48	17280	-	-	-	-	234



- A. COORDINATE WITH E5 SERIES FOR ADDITIONAL DEMOLITION INFORMATION OF ELECTRICAL EQUIPMENT.
- B. DEMOLISH EQUIPMENT AND DEVICES INDICATED WITH SUBSCRIPT (D) REMOVE ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, BRACKETS AND CONDUITS AND REMOVE THEIR ENTIRE CIRCUIT TO THEIR POINT OF ORIGIN IUN. TURN OFF AND LABEL CIRCUIT BREAKERS AS SPARES FOR NEW WORK.
- C. EXTEND CONDUIT AND WIRE AS REQUIRED WHERE DEMOLITION WORK AFFECTS ELECTRICAL ENERGIZATION TO DOWNGRADE DEVICES THAT ARE EXPOSED TO REMAIN.
- D. MAINTAIN AND PRESERVE EXISTING TO REMAIN EQUIPMENT AND DEVICES INDICATED WITH SUBSCRIPT (E) AND ASSOCIATED CONDUIT, WIRING, CIRCUIT CONTINUITY. PROTECT FROM DAMAGE DURING CONSTRUCTION.
- E. DEMOLISH EQUIPMENT AND DEVICES INDICATED WITH SUBSCRIPT (R) AS INDICATED ON NEW WORK PLANS. PROVIDE NEW CIRCUITING PER E3 SERIES.

ED001 DEMOLISH ALL ELECTRICAL POWER DEVICES/ FIXTURES AND ALL ASSOCIATED WIRING BACK TO POINT OF ORIGIN IN THIS SPACE



HCMC Fourth Floor East Magistrate Judges Chamber
 Renovation (Phase 1A and 1B)
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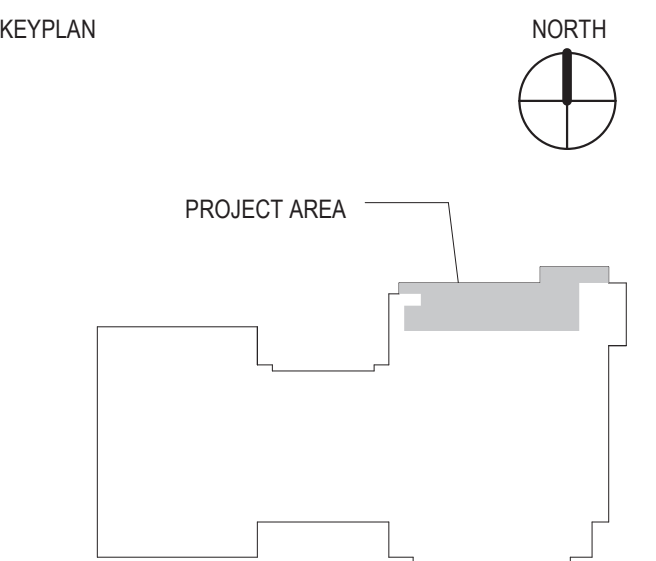
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SEALS AND SIGNATURES



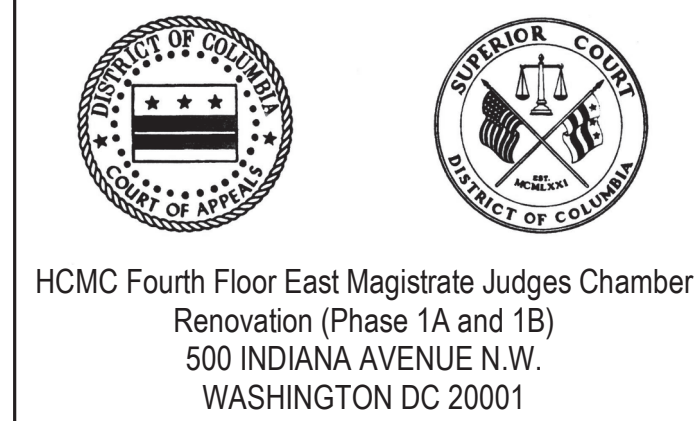
SHEET TITLE

DEMOLITION LIGHTING
PLAN - FOURTH FLOOR

PROJECT NUMBER

CD 1.ED.304

2808.000

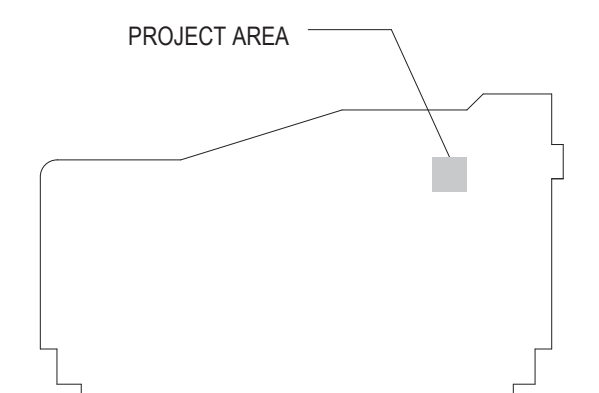


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301-371-6047

SEALS AND SIGNATURES



SHEET TITLE
POWER FLOOR PLAN -
PARKING LEVEL

PROJECT NUMBER
CD
SHEET NUMBER

1.E.200

E208 ROUTING IS APPROXIMATE. FIELD VERIFY.

E208 ROUTING IS APPROXIMATE. FIELD VERIFY.



- A. SEE 60 SERIES COVER SHEET FOR ABBREVIATIONS, SYMBOLS, GENERAL NOTES AND DEVICE MOUNTING HEIGHT OF WALL MOUNTED DEVICES, UON.
- B. SEE 66 AND 67 SERIES FOR RECEPTACLE CONTROL DETAILS AND MOUNTING.
- C. LIMIT VOLTAGE DROP TO 2% FOR FEEDERS AND 3% FOR BRANCH CIRCUITS.
- D. CONTRACTOR SHALL SCAN FLOORS PRIOR TO CORE DRILLING FOR POKE-TREE DEVICES. COORDINATE CORE DRILLING WITH ROUGH-IN.
- E. COORDINATE ALL DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECTURAL AND SECURITY DRAWINGS PRIOR TO ROUGH-IN.
- F. ARCHITECT HAS FINAL APPROVAL OVER ALL FINISHES.
- G. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF EQUIPMENT POWER CONNECTIONS WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.

E202	COORDINATE WITH INTERIOR CRESTLINE ELEVATIONS TO CONCEAL ALL RACEWAYS FROM VIEW WITHIN PARTITION WALLS AND ABOVE BRIDGE DECK. SUBMIT COORDINATION DRAWINGS AS ACTION ITEM FOR REVIEW PRIOR TO INSTALLING RACEWAYS IN PARTITIONS WITH CRESTLINES. SEE INTERIOR ELEVATIONS FOR TYPICAL ROUTING.	E204	MOTOR RATED SWITCH FOR GARBAGE DISPOSAL SHOWN. COORDINATE WITH MECHANICAL CONTRACTOR TO PROVIDE CORRECT PLUG GARBAGE DISPOSAL.
		E207	CONNECT ALL ISOLATED GROUND RECEPTACLES AT DESKS INDICATED TO SYSTEMS FURNITURE BUS FED BY BRANCH CIRCUIT 104. RECEPTACLE PROVIDED FOR PRINTER TO BE ORDERED TO DEDICATED BRANCH CIRCUIT 104-2. COORDINATE WITH SYSTEMS FURNITURE MANUFACTURER TO PROVIDE CORRECT RECEPTACLES TO SYSTEMS FURNITURE BUS SERVING PRINTER RECEPTACLE.
E203	CONDUIT FOR ALL SECURITY DEVICES AT ALL WALLS WITH CRESTLINES. ROUTE ALL DEVICES HORIZONTALLY AT 48" AFF. COORDINATE WITH INTERIOR CRESTLINE ELEVATIONS TO CONCEAL ALL RACEWAYS FROM VIEW WITHIN PARTITION WALLS AND ABOVE BRIDGE DECK. SUBMIT COORDINATION DRAWINGS AS ACTION ITEM FOR REVIEW PRIOR TO INSTALLING RACEWAYS IN PARTITIONS WITH CRESTLINES. SEE INTERIOR ELEVATIONS FOR TYPICAL ROUTING.		





- A. SEE E0 SERIES COVER SHEET FOR ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES.
- B. SEE E6 AND E7 SERIES FOR LIGHTING CIRCUIT DETAILS AND PROVIDED QUANTITIES.
- C. LIMIT VOLTAGE DROP TO 2% FOR FEEDERS AND 3% FOR BRANCH CIRCUITS.
- D. PROVIDE MINIMUM SIZE OF #10 AWG LIGHTING BRANCH CIRCUIT WIRING. COORDINATE FINAL WIRE SIZE REQUIRED WITH SCHEDULES ON E0 SERIES SCHEDULE SHEET.
- E. PROVIDE DEDICATED NEUTRALS FOR EACH DIMMING CIRCUIT. PROVIDE UL 924 DEVICES TO CONTROL EMERGENCY LIGHTING WITH NORMAL OPERATION DURING NORMAL OPERATION AND PROVIDE FULL OUTPUT UNDER EMERGENCY FIXTURE UPON LOSS OF POWER OR EMERGENCY SIGNAL FROM FIRE ALARM SYSTEM COORDINATE WITH E6 AND E7 SERIES. PROVIDE QUANTITY OF DEVICES FOR EACH ZONE/SPACE AND ACCESSORIES AND WIRING REQUIRED PER MANUFACTURER'S WIRING INSTRUCTIONS.
- F. COORDINATE PROPER WIRE TYPE AND QUANTITY WITH MANUFACTURER.

E301 COORDINATE WITH INTERIOR CLERESTORY ELEVATIONS TO CONCEAL ALL RACEWAYS FROM VIEW WITHIN PARTITION DRYWALLS AND AVOID OBSTRUCTING VISIBILITY THROUGH CLERESTORY. SUBMIT COORDINATION DRAWINGS AS ACTION SUBMITTAL FOR REVIEW PRIOR TO INSTALLING RACEWAY IN PARTITIONS WITH CLERESTORIES. SEE INTERIOR ELEVATIONS FOR TYPICAL ROUTING.

E301 COORDINATE WITH INTERIOR CLERESTORY ELEVATIONS TO CONCEAL ALL RACEWAYS FROM VIEW WITHIN PARTITION DRYWALLS AND AVOID OBSTRUCTING VISIBILITY THROUGH CLERESTORY. SUBMIT COORDINATION DRAWINGS AS ACTION SUBMITTAL FOR REVIEW PRIOR TO INSTALLING RACEWAY IN PARTITIONS WITH CLERESTORIES. SEE INTERIOR ELEVATIONS FOR TYPICAL ROUTING.



LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MANUFACTURER	MODEL	LAMP	BALLAST	VOLTAGE	MOUNTING		COMMENTS
D3	4" 0-length, 4 3/4" X 3 11/16" SURFACE AND WALL MOUNTED UTILITARIAN LED FIXTURE. PROVIDE WALL BRACKET AND ASSOCIATED ACCESSORIES FOR WALL MOUNT.	LITHONIA LIGHTING	WL4 LED	39 5W, 4124LM, 80CRI, 3500K CCT LED	277 V	0-10V DIMMING	RECESSED		
L3	1 3/16" X 4 3/16" UNDERCABINET LED FIXTURES WITH WHITE FINISH. MOUNT FIXTURE BELOW THE CABINET AND PROVIDE ASSOCIATED ACCESSORIES FOR UNDERCABINET MOUNTING. PROVIDE FIXTURE LENGTHS PER PLAN.	DAY-BRITE	LINCS LED	6WFT, 5574LM, 80CRI, 3500K CCT LED	0-10V DIMMING	277 V	SURFACE	ADD NOTES TO SEE INTERIOR SERIES DETAILS AND /OR CONCEAL FIXTURE AND ASSOCIATED RACEWAY AND WIRING FROM VIEW	
R1	RECESSED NOMINAL 2" BY 2" LENSED DIRECT LED TROFFER LUMINAIRE. HOUSING DIMENSIONS ARE 5.56" DEEP BY NOMINAL 24" BY 24". PROVIDE LUMINAIRE WITH ACRYLIC DIFFUSER AND MESO-OPTIC FILM FOR GLARE CONTROL. PROVIDE LUMINAIRE WITH INTEGRAL 0-10V DIMMING DRIVER. CONTRACTOR TO PROVIDE ELECTRICAL INSTALLATION HARDWARE AS REQUIRED.	LEDALITE	ARC FORM	41W, 3600LM, 80CRI, 3500K CCT LED	0-10V DIMMING	277 V	RECESSED	PROVIDE MOUNTING TYPE PER ARCHITECTURAL RCP.	
R18	4" APERTURE LED WALLWASHER DOWNLIGHT. FIXTURE TO BE NO MORE THAN 4 7/8" IN DEPTH.	LIGHTOLIER BY SIGNIFY	CALCULATE LED 4 GEN 3	11W, 1000LM, 80CRI, 3500K CCT LED	0-10V DIMMING	277 V	RECESSED		
R20	PENDANT MOUNTED LINEAR NOMINAL 4" LONG LED DIRECT/INDIRECT LUMINAIRE. LUMINAIRE TO HAVE MESO-OPTIC LIGHT GUIDE FOR NOMINAL 70% UP / 30% DOWN LIGHT DISTRIBUTION. BATWYING UP LIGHT DISTRIBUTION, AND GLARE CONTROL FOR DOWNLIGHT COMPONENT. FINISH TO BE SELECTED BY ARCHITECT. PROVIDE AIRCRAFT CABLE SUSPENSION. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.	LEDALITE	BOLDPLAY SUSPENDED	7.2WFT UPLIGHT - 645LMFT DOWNLIGHT - 264LMFT, 80CRI, 3500K CCT LED	0-10V DIMMING	277 V	PENDANT		
X1	CEILING RECESS MOUNTED OR OPEN CEILING PENDANT MOUNTED EDGEULIT EXIT SIGN WITH RED LED'S. WHITE DIE-CAST ALUMINUM OR POLYCARBONATE RECESSED TRIM, AND AC POWERED WITH INTEGRAL BATTERY.	LITHONIA LIGHTING	EDGEGR	RED LED	N/A	277 V	RECESS/ PENDANT	PROVIDE NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON PLANS; SINGLE-SIDED SIGNS SHALL HAVE CLEAR BACKGROUND, DOUBLE-SIDED FACES SHALL HAVE MIRRORRED BACKGROUND. CONTRACTOR TO COORDINATE WITH ARCHITECTURAL RCP'S TO PROVIDE PENDANT MOUNT FOR OPEN CEILINGS AND RECESSED MOUNT FOR FINISHED CEILINGS.	

LIGHTING CONTROL SCHEDULE						
SPACE TYPE	NETWORK OR STANDALONE	MANUAL ON OR PARTIAL AUTO ON	BILEVEL/ DIMMING	AUTO ON (OCCUPIED) OUTPUT	AUTO OFF (UNOCCUPIED) OUTPUT	TIME DELAY (MINUTES)
ADMIN/RECEPTION	STANDALONE	AO	DIMMING	100%	0%	20
BREAKROOM/CHINROOM/PANTRY	STANDALONE	AO	DIMMING	50%	0%	20
CONFERENCE ROOM/MULTI-PURPOSE	STANDALONE	AO	DIMMING	50%	0%	20
COPY ROOM	STANDALONE	AO	DIMMING	50%	0%	20
CORRIDORS/HALLWAY	STANDALONE	AO	DIMMING	100%	0%	20
ELEC/ELEM SUPPORT SPACES (IT/AV, LAN)	STANDALONE	MO	NONE	N/A	N/A	20
OFFICE - OPEN	STANDALONE	AO	DIMMING	50%	0%	20
OFFICE - PRIVATE	STANDALONE	AO	DIMMING	50%	0%	20
RESTROOM	STANDALONE	AO	DIMMING	100%	0%	20
STORAGE/JANITOR'S CLOSET	STANDALONE	AO	DIMMING	50%	0%	20
NOTES:						
1. CONTRACTOR TO REVIEW AND CONFIRM ALL CONTROL PROGRAMMING REQUIREMENTS WITH OWNER PRIOR TO PROGRAMMING.						
2. OCCUPANCY/VACANCY SENSORS TO DETECT UNOCCUPIED AND SIGNAL SYSTEM TO ADJUST FIXTURES TO OUTPUT AS INDICATED.						
3. USER KEYPAD TO ALLOW USER TO ADJUST FIXTURE OUTPUT FROM PROGRAMMED AUTOMATIC ON (OCCUPIED) OR AUTO SHUTOFF (UNOCCUPIED) OUTPUT.						
4. AUTOMATIC ON SIGNAL FROM OCCUPANCY/UNOCCUPIED SENSE TO SIGNAL SYSTEM TO ADJUST FIXTURE TO OUTPUT AS INDICATED.						
5. COORDINATE WITH E01 and E3 SERIES FOR KEYPAD MANUAL OVERRIDE.						
6. OCCUPANCY SENSOR TO ENERGIZE CONTROLLED RECEPTACLE DURING OCCUPANCY AND DE-ENERGIZE CONTROLLED RECEPTACLE DURING VACANCY (UNOCCUPIED).						
7. EACH SPACE TO BE CONNECTED AS A NETWORKED SIGNAL CAPABLE OF CENTRAL CONTROL BUT EACH SPACE TO FUNCTION AS INDEPENDENT STANDALONE WHERE INDICATED IN THIS SCHEDULE.						

Project Information

Energy Code:	90.1 (2013) Standard
Project Title:	DC COURTS
Project Type:	New Construction

Owner/Agent

Designer/Contractor

Construction Site:
1700 NEW YORK AVENUE NW
SUITE 100
WASHINGTON, DC 20006

Owner/Agent:

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Office	8413	0.82	6899
		Total Allowed Watts =	6899

Proposed Interior Lighting Power

A	B	C	D	E
Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	Lamps / Fixture	# of Fixtures	Fixture Watt.	(C X D)
1-Office				
D3: D3: 4" WALL MOUNT LED LINEAR: Other:	1	2	32	64
L3: L3: UNDERCABINET LED: Other:	1	1	57	57
R1: R1: 2" X 2" LED TROFFER: Other:	1	190	34	6400
R18: R18: 4" LED WALL WASHER: Other:	10	11	11	110
R20: R20: 4" DIRECT INDIRECT PENDANT: Other:	1	1	72	72
		Total Proposed Watts =		6763

Interior Lighting PASSES: Design 2% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title	Signature	Date
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Project Title: DC COURTS Report date: 04/12/2023
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A	COORDINATE ALL FINAL LOCATIONS, LOADS, AND CONNECTION REQUIREMENTS WITH MECHANICAL DRAWINGS AND FINAL EQUIPMENT SELECTION.
B	RE-SELECT AND LOCATE WITH DISTANCES PER ED SINE SCHEDULE SHEET FOR LIMITED VOLTAGE DROP 10% FOR FEEDER AND 3% FOR BRANCH. CIRCUITS FOR MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTORS FOR EQUIPMENT LOCATION, WIRING, AND CONDUIT TYPES AND QUANTITIES REQUIRED ARE CAPABLE OF TERMINATING ON MECHANICAL EQUIPMENT AND CONTROLLERS PRIOR TO SUBMITTING FOR REVIEW.
D	PROVIDE 20A, 277V OR 480V CIRCUITS FROM NEAREST 480V/277V SERVICE TO THE MANUFACTURER WITH SPACE AND CAPACITY FOR MECHANICAL EQUIPMENT AS REQUIRED BY EQUIPMENT MANUFACTURER AND CONTROLS VENDOR.
E	COORDINATE ALL MECHANICAL DISCONNECT, SPEED CONTROL, AND ADDITIONAL CONTROL REQUIREMENTS WITH MANUFACTURER.



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[illegible]

SEALS AND SIGNATURES

SHEET TITLE

LIGHTING SCHEDULES &
COMCHECK LPD
COMPLIANCE

PROJECT NUMBER



1.E.701

SHEET NUMBER

12808.000

Switchboard: (E)SWBD SLC1C						
Location: SUBSTATION C ROOM			Volts: 208Y/120		A.I.C. Rating: EXISTING	
Supply From: SUBSTATION C			Phases: 3		Mains Type: MCB	
Mounting: SURFACE			Wires: 4		Mains Rating: 1600 A	
Enclosure: EXISTING					MCB Rating: 1600 A	
CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	(E)SPARE	3	--	400 A	0 VA	
2	(E)SPARE	3	--	400 A	0 VA	
3	(E)SPARE	3	--	400 A	0 VA	
4	(E)SPARE	3	--	400 A	0 VA	
5	(E)SPARE	3	--	400 A	0 VA	
6	(E)SPARE	3	--	400 A	0 VA	
7	(E)LL8C, (E)LL9C	3	400 A	400 A	63249 VA	
8	(E)SPARE	3	--	400 A	0 VA	
9	(E)LL1N, (E)LL5C, (E)LL7C	3	400 A	400 A	91074 VA	
10	(E)LL8C	3	400 A	400 A	27193 VA	
11	(E)LL2C, (E)LL3C, (E)LL4C	3	400 A	400 A	94491 VA	
12	LL7C-3	3	400 A	400 A	41930 VA	(*)ADJUST TRIP RATING OF (E)SPARE
13	(E)SPARE	3	--	400 A	0 VA	
14	(E)SPARE	3	--	400 A	0 VA	
				Total Conn. Load:	317937 VA	
				Total Amps:	883 A	
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment		12640 VA	100.00%	12640 VA		
Existing Load		276007 VA	125.00%	345009 VA	Total Conn. Load: 317937 VA	
Lighting		1440 VA	100.00%	1440 VA	Total Est. Demand: 380809 VA	
Receptacle		20340 VA	74.58%	15170 VA	Total Conn.: 883 A	
Mechanical Equipment		4800 VA	80.00%	3840 VA	Total Est. Demand: 1057 A	
Appliance		2710 VA	100.00%	2710 VA		
Notes:						
(*)UTILIZE EXISTING 400A SPARE CIRCUIT BREAKER AND PROVIDE TRIP RATING INDICATED. TRIP SETTINGS PER SELECTIVE COORDINATION STUDY.						
1. TERMINATE NEW ISOLATED GROUND CONDUCTORS INDICATED IN E5 SERIES ON EXISTING SWITCHBOARD EQUIPMENT GROUND BUS.						

Switchboard: (E)SWBD SLC2D							
Location: SUBSTATION C ROOM			Volts: 208Y/120		A.I.C. Rating: EXISTING		
Supply From: SUBSTATION C			Phases: 3		Mains Type: MCB		
Mounting: SURFACE			Wires: 4		Main Rating: 1600 A		
Enclosure: EXISTING					MCB Rating: 1600 A		
CKT	Circuit Description		# of Poles	Frame Size	Trip Rating	Load	Remarks
1	(E)LL2D-CB		3	400 A	400 A	11729 VA	
2	(E)LL3D2		3	400 A	400 A	25798 VA	
3	(E)LL2D-2		3	400 A	400 A	19763 VA	
4	(E)SPARE		3	--	400 A	0 VA	
5	(E)SPARE		3	--	400 A	0 VA	
6	LL7D-3		3	400 A	400 A	21540 VA	(*)ADJUST TRIP RATING OF (E)SPARE
7	(E)LL6D		3	400 A	400 A	40073 VA	
8	(E)SPARE		3	--	400 A	0 VA	
9	(E)SPARE		3	--	400 A	0 VA	
10	(E)LL4D, (E)LL8D, (E)LL9D		3	400 A	400 A	80973 VA	
11	(E)LL3D, (E)LL5D, (E)LL7D		3	400 A	400 A	83745 VA	
12	(E)SPARE		3	--	400 A	0 VA	
					Total Conn. Load:	283621 VA	
					Total Amps:	787 A	
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals		
Equipment		10920 VA	100.00%	10920 VA			
Existing Load		262081 VA	125.00%	327601 VA	Total Conn. Load: 283621 VA		
Receptacle		10620 VA	97.08%	10310 VA	Total Est. Demand: 348831 VA		
					Total Conn.: 787 A		
					Total Est. Demand: 968 A		
Notes:							
(*)UTILIZE EXISTING 400A SPARE CIRCUIT BREAKER AND PROVIDE TRIP RATING INDICATED. TRIP SETTINGS PER SELECTIVE COORDINATION STUDY.							
1. TERMINATE NEW ISOLATED GROUND CONDUCTORS INDICATED IN E5 SERIES ON EXISTING SWITCHBAORD EQUIPMENT GROUND BUS.							

GENERAL SHEET NOTES	
A. SEE E9 SERIES COVER SHEET FOR ABBREVIATIONS, SYMBOLS, GENERAL NOTES AND DEVICE MOUNTING HEIGHT OF WALL MOUNTED DEVICES, LION.	
B. SEE E5 SERIES FOR POWER RISER DIAGRAM.	
C. PROVIDE A MINIMUM OF 20% SPARE CIRCUIT BREAKERS ON EACH NEW PANEL.	
D. UTILIZE SPARE BREAKERS SHOWN FOR ADDITIONAL POWER SUPPLIES AS REQUIRED BY E2, E3, E5, AND E6 SERIES SHEET NOTES.	
E. CONTRACTOR TO VERIFY EXISTING AVAILABLE CIRCUITS. COORDINATE LOCATION OF AVAILABLE CIRCUITS WITH THOSE INDICATED IN PANEL SCHEDULES.	
F. REUSE EXISTING CIRCUIT BREAKERS WHEN APPLICABLE. PROVIDE NEW BREAKERS IN EXISTING PANEL SPACES. COORDINATE NEW BREAKER TYPE WITH EXISTING TO REMAIN PANEL TO MAINTAIN WARRANTY AND RATING.	
G. CONTRACTOR TO METER AND VERIFY EXISTING PANEL LOADS AND AVAILABLE PANEL CAPACITY PRIOR TO ADDING CIRCUITS.	
H. PROVIDE PERMANENT PANEL NAMEPLATES AND TYPED PANEL SCHEDULES AFTER ALL WORK IS COMPLETE. SCHEDULES AND NAMEPLATES MUST MATCH PANEL INFORMATION, CIRCUIT BREAKERS, AND CONNECTED LOADS INDICATED.	
I. PROVIDE BREAKER TIES FOR SYSTEMS FURNITURE CONNECTIONS PER NEC.	
J. CONTRACTOR TO PROVIDE 3 PHASE CIRCUIT FOR ALL NEW SURGE PROTECTION DEVICES. COORDINATE FINAL CIRCUIT BREAKER SIZE WITH DEVICE MANUFACTURER.	
K. BALANCE FINAL PANELBOARD LOADS AMONG PHASES.	
L. BOLDDED CIRCUIT BREAKERS IN EXISTING PANELBOARDS INDICATE NEW WORK.	









Panelboard: LL7C-3											
Location: SEC/ELEC CL 4010B				Volts: 208Y/120			A.I.C. Rating: 22,000 A				
Supply From: (E)SWBD SLC1C				Phases: 3			Mains Type: MCB				
Mounting: Surface				Wires: 4			Bus Rating: 400 A				
Enclosure: Type 1							MCB Rating: 250 A				
CKT	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	CKT	
3	430-OPEN OFFICE, RCPT, SYS FURN. EAST	20 A	2	720 720			2	20 A	430-OPEN OFFICE, RCPT, SYS FURN. WEST	2	
5	430-OPEN OFFICE, RCPT, SYS FURN. EAST(*)	20 A	2	720 720		720 720	2	20 A	430-OPEN OFFICE, RCPT, SYS FURN. WEST(*)	6	
9	430-OPEN OFFICE, RCPT, SYS FURN. CENTER	20 A	2		720 360		1	20 A	4010B-SEC/ELEC CL, RCPT, SEC @ +84" AFF	10	
11	430-OPEN OFFICE, RCPT, SYS FURN. CENTER(*)	20 A	2	720 1000		720 720	1	20 A	4010B-SEC/ELEC, LTG CNTRL, SYS. PWR SUP	12	
13	430-OPEN OFFICE, RCPT, SYS FURN. CENTER(*)	20 A	2		720 1080		1	20 A	4010-LUNCH ROOM, EQ-SEC-JBOX	14	
15	430-OPEN OFFICE,RCPT, SYS FURN. CENTER(*)	20 A	2			720 720	1	20 A	4010-LUNCH ROOM, RCPT, GEN	16	
17	430-OPEN OFFICE,JBOX, DOOR POWER	20 A	1			1000 720	1	20 A	4010-LUNCH ROOM,EQ-TV	18	
19	430-OPEN OFFICE,JBOX, SP. SYS. POWER	20 A	1	1600 560			1	20 A	4010-LUNCH, RCPT, GARBAGE DISPOSAL	20	
21	430,4011-OPEN OFFICE & OFFICE, RCPT, GEN	20 A	1		1440 360		1	20 A	4010-LUNCH ROOM, QUAD RCPT, GEN	22	
23	430-OPEN OFFICE, RCPT SEC	20 A	1			1080 1050	1	20 A	4010-LUNCH ROOM, RCPT, EQ-REFG	24	
25	SPARE	20 A	1	0 1100			1	20 A	4010-LUNCH ROOM, RCPT, EQ-MICROWAVE	26	
27	430-OPEN OFFICE, MECH, VAV PWR	20 A	1		1600 1600		1	20 A	4011,13,15,17-OFFICES, RCPT, COMP IG	28	
29	430-OPEN OFFICE, MECH, VAV PWR	20 A	1			1600 800	1	20 A	4019,21-OFFICES, RCPT, COMP IG	30	
31	430-OPEN OFFICE, MECH, VAV PWR	20 A	1	1600 1600			1	20 A	4018,20,22,24-OFFICES, RCPT, COMP IG	32	
33	4018,18-CONF ROOM & OFFICE, RCPT,GEN	20 A	1		1260 1440		1	20 A	4013,15-OFFICES, RCPT, GEN	34	
35	4018-CONF ROOM, AV & FLOOR BOX	20 A	1			720 1440	1	20 A	4017,19-OFFICES, RCPT, GEN	36	
37	SPARE	20 A	1	0 720			1	20 A	4021,23-OFFICES, RCPT, GEN	38	
39	SPARE	20 A	1		0 1440		1	20 A	4020,22-OFFICES, RCPT, GEN	40	
41	SPARE	20 A	1			0 900	1	20 A	4024,26-OFFICES, RCPT, GEN	42	
43	4014-COPY RM,RCPT, GEN	20 A	1	900 0			1	20 A	SPARE	44	
45	4014-COPY RM, RCPT, EQ-COPIER	20 A	1		1440 0		1	20 A	SPARE	46	
47	4014-COPY RM, RCPT, EQ-SHREDDER	20 A	1			1440 0	1	20 A	SPARE	48	
49	4016-CONF RM, LTG CNTRL PWR SUPPLY	20 A	1	720 0			1	20 A	SPARE	50	
51	SPARE	20 A	1		0 0		1	20 A	SPARE	52	
53	SPARE	20 A	1			0 0	1	20 A	SPARE	54	
55	SPARE	20 A	1	0 0			1	20 A	SPARE	56	
57	SPARE	20 A	1		0 0		1	20 A	SPARE	58	
59	SPARE	20 A	1			0 0	1	20 A	SPARE	60	
61	SPARE	--	--	0 0			--	--	SPARE	62	
63	SPARE	--	--		0 0		--	--	SPARE	64	
65	SPARE	--	--			0 0	--	--	SPARE	66	
67	SPARE	--	--	0 0			--	--	SPARE	68	
69	SPARE	--	--		0 0		--	--	SPARE	70	
71	SPARE	--	--			0 0	--	--	SPARE	72	
73	SPARE	--	--	0 0			--	--	SPARE	74	
75	SPARE	--	--		0 0		--	--	SPARE	76	
77	SPARE	--	--			0 0	--	--	SPARE	78	
79	SPARE	--	--	0 0			--	--	SPARE	80	
81	SPARE	--	--		0 0		--	--	SPARE	82	
83	SPARE	--	--			0 0	--	--	SPARE	84	
Total Load:				13400 VA	14900 VA	13630 VA					
Total Amps:				112 A	124 A	114 A					
Notes:											
(*)PROVIDE SWITCHED RECEPTACLES FOR 50% OF SYSTEMS FURNITURE WITH PERMANENT MARKINGS AS INDICATED IN NEC.											
1. FINAL A.I.C RATING PER SHORT CIRCUIT STUDY. COORDINATE WITH SPECIFICATION 260573.16.											
2. PROVIDE ISOLATED GROUND BUS WITH PANELBOARD. TERMINATE ISOLATED GROUND CONDUCTORS TO ISOLATED GROUND BUS. SEE E2 SERIES FOR IG RECEPTACLES AND PROVIDE CIRCUITS TO IG RECEPTACLES WITH ISOLATED GROUND CONDUCTORS.											

Panelboard: LL7D-3											
Location: ELEC. D 4.7D				Volts: 208Y/120				A.I.C. Rating: 22,000 A			
Supply From: (E)SWBD SLC2D				Phases: 3				Mains Type: MCB			
Mounting: Surface				Wires: 4				Bus Rating: 400 A			
Enclosure: Type 1								MCB Rating: 250 A			
CKT	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	CKT	
1	4000-OPEN OFFICE,JBOX, SPL SYS PWR	20 A	1	300	0		1	20 A	SPARE	2	
3	SPARE	20 A	1		0	0		1	20 A	SPARE	4
5	4000,30-OPEN OFFICE & RECP, RCPT SEC	20 A	1			1440	0	1	20 A	SPARE	6
7	4030-RECP, JBOX, DOOR POWER	20 A	1	1500	0			1	20 A	SPARE	8
9	4030,32-RECP & OFFICE, RCPT, GEN	20 A	1		1440	0		1	20 A	SPARE	10
11	4030,430-RECP & OPEN OFFICE,RCPT,GEN	20 A	1			1260	0	1	20 A	SPARE	12
13	430,4040-OPEN OFFICE & COPY, RCPT, GEN	20 A	1	720	0			1	20 A	SPARE	14
15	4040-COPIER, EQ RCPT, COPIER	20 A	1		1440	0		1	20 A	SPARE	16
17	4040-COPY, EQ RCPT, SHREDDER	20 A	1			1440	0	1	20 A	SPARE	18
19	4023,26-OFFICE, RCPT, GEN	20 A	1	1440	0			1	20 A	SPARE	20
21	4025,27-OFFICES, RCPT, GEN	20 A	1		1440	0		1	20 A	SPARE	22
23	4029,31-OFFICES, RCPT, GEN	20 A	1			1440	0	1	20 A	SPARE	24
25	4033,35-OFFICES, RCPT, GEN	20 A	1	1440	0			1	20 A	SPARE	26
27	4034,36-OFFICES, RCPT, GEN	20 A	1		1440	0		1	20 A	SPARE	28
29	4023,25,26,30- RECP,TOFFI, RCPT, COMP IG	20 A	1			1600	0	1	20 A	SPARE	30
31	4027,32,34,36-OFFICES, RCPT, COMP IG	20 A	1	1600	0			1	20 A	SPARE	32
33	4029,31,32,35-OFFICES, RCPT, COMP IG	20 A	1		1600	0		1	20 A	SPARE	34
35	SPACE	--	--			0	0	--	SPACE	36	
37	SPACE	--	--	0	0			--	SPACE	38	
39	SPACE	--	--		0	0		--	SPACE	40	
41	SPACE	--	--			0	0	--	SPACE	42	
43	SPACE	--	--	0	0			--	SPACE	44	
45	SPACE	--	--		0	0		--	SPACE	46	
47	SPACE	--	--			0	0	--	SPACE	48	
49	SPACE	--	--	0	0			--	SPACE	50	
51	SPACE	--	--		0	0		--	SPACE	52	
53	SPACE	--	--			0	0	--	SPACE	54	
55	SPACE	--	--	0	0			--	SPACE	56	
57	SPACE	--	--		0	0		--	SPACE	58	
59	SPACE	--	--			0	0	--	SPACE	60	
61	SPACE	--	--	0	0			--	SPACE	62	
63	SPACE	--	--		0	0		--	SPACE	64	
65	SPACE	--	--			0	0	--	SPACE	66	
67	SPACE	--	--	0	0			--	SPACE	68	
69	SPACE	--	--		0	0		--	SPACE	70	
71	SPACE	--	--			0	0	--	SPACE	72	
73	SPACE	--	--	0	0			--	SPACE	74	
75	SPACE	--	--		0	0		--	SPACE	76	
77	SPACE	--	--			0	0	--	SPACE	78	
79	SPACE	--	--	0	0			--	SPACE	80	
81	SPACE	--	--		0	0		--	SPACE	82	
83	SPACE	--	--			0	0	--	SPACE	84	
Total Load:				7000 VA	7360 VA	7180 VA					
Total Amps:				58 A	62 A	60 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Equipment		10920 VA		100.00%		10920 VA		Total Conn. Load: 21540 VA			
Receptacle		10620 VA		97.08%		10310 VA		Total Est. Demand: 21230 VA			
								Total Conn.: 60 A			
								Total Est. Demand: 59 A			
Notes:											
(*)PROVIDE SWITCHED RECEPTACLES FOR 50% OF SYSTEMS FURNITURE WITH PERMANENT MARKINGS AS INDICATED IN NEC.											
(**)PROVIDE GFI BRANCH CIRCUIT BREAKER.											
1. FINAL A.I.C RATING PER SHORT CIRCUIT STUDY, COORDINATE WITH SPECIFICATION 206575.18.											
2. PROVIDE ISOLATED GROUND BUS WITH PANELBOARD. TERMINATE ISOLATED GROUND CONDUCTORS TO ISOLATED GROUND BUS. SEE E2 SERIES FOR IG RECEPTABLES AND PROVIDE CIRCUITS TO IG RECEPTABLES WITH ISOLATED GROUND CONDUCTORS.											

FIRE ALARM ABBREVIATIONS

A	AMPERES	(M)	MINIMUM CIRCUIT CAPACITY
AC	ALTERNATING CURRENT	MCB	MINI CIRCUT BREAKER
AF	AMPERE FRAME (BREAKER RATING)	MCC	MOTOR CONTROL CENTER
AFC	ABOVE FINISHED COUNTER	MECH	MECHANICAL
AFG	ABOVE FINISHED FLOOR	MFR	MANUFACTURER
AFG	ABOVE FINISHED GRADE	MH	MANHOLE
AHU	AIR HANDLING UNIT	MN	MINIMUM
AIC	AMPERE INTERRUPTING CAPACITY	MISC	MISCELLANEOUS
ALT	ALTERNATE	M.O	MAN LUGS ONLY
ARCH	ARCHITECT	MOCP	MAXIMUM OVERCURRENT PROTECTION
AT	AMPERES TRIP	MTD	MOUNTED
ATS	AUTOMATIC TRANSFER SWITCH	MTG	MOUNTING
AUTO	AUTOMATIC	MTS	MANUAL TRANSFER SWITCH
AUX	AUXILIARY	MV	MEDIUM VOLTAGE (OVER 600V LESS THAN 35KV)
AWG	AMERICAN WIRE GAUGE		
		(N)	NEUTRAL
(B)	BUILDING	N	NEUTRAL
BLDG	BUILDING	NC	NORMALLY CLOSED
BKRR, BKR	BREAKER	NEC	NATIONAL ELECTRICAL CODE
		NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSO
(C)		NC	NOT IN CONTRACT
CO	CONDUIT	NO	NORMALLY OPEN
CATV	CABLE TELEVISION	NO, NUM, #	NUMBER
CB	CIRCUIT BREAKER	NTS	NOT TO SCALE
CCTV	CLOSED CIRCUIT TELEVISION		
CCT	CIRCUIT	(O)	ON
CLG	CEILING	OC	ON CENTER
COM, COMM	COMMUNICATIONS	OCPO	OVERCURRENT PROTECTION DEVICE
CP	CONTROL PANEL	OFCl	OWNER FURNISHED, CONTRACTOR INSTALLED
CPT	CONTROL POWER TRANSFORMER	OFCl	OWNER FURNISHED, OWNER INSTALLED
CT	CURRENT TRANSFORMER	OH	OVERHEAD
CU	COPPER	OH/EI	OVERHEAD ELECTRIC/TELEPHONE
		OPP	OPPOSITE
(D)		(P)	
DC	DIRECT CURRENT	P	POLE
DISC	DISCONNECT	PA	PUBLIC ADDRESS
DIST	DISTRIBUTION	PB	PULL BOX
DIV	DIVISION	PDP	POWER DISTRIBUTION PANEL
DN	DOWN	PE	PHOTO ELECTRIC
DP	DISTRIBUTION PANEL	PF	POWER FACTOR
DPDT	DOUBLE POLE DOUBLE THROW	PH, Ø	PHASE
DPST	DOUBLE POLE SINGLE THROW	PNL	PANEL
DWG	DRAWINGS	PNL	PANEL
		PRI	PRIMARY
		PT	POTENTIAL TRANSFORMER
E, (E), EX, EXIST	EXISTING TO REMAIN	PVC	POLYVINYL CHLORIDE
EG	EQUIPMENT GROUND	PWR	POWER
ELEV	ELECTRIC, ELECTRICAL		
ELV	ELEVATOR	(Q)	QUANTITY
EM, EMERG	EMERGENCY	QTY	
EMT	ELECTRIC METALLIC CONDUIT		
ENCL	ENCLOSURE	(R)	
EQ, EQUIP	EQUIPMENT	R, RE	RELOCATE AS SHOWN
EWC	ELECTRIC WATER COOLER	ROL, P	REMOTE CONTROL LIGHTING PANEL
EWI	ELECTRIC WATER HEATER	ROPI	RECEPTACLE
		REF	REFRIGERATOR
(F)		RF	RADIO FREQUENCY
F	FUSE	RLA	RATED (RUNNING) LOAD AMPS
FA	FIRE ALARM	RM	ROOM
FAAP	FIRE ALARM ANNUNCIATOR PANEL	RP	RECEPTACLE PANELBOARD
FACP	FIRE ALARM CONTROL PANEL	RSC	RIGID STEEL CONDUIT
FC	FOOT CANDLE		
FDR	FEEDER	(S)	
FL, FLR	FLOOR	SCH, SCHED	SCHEDULE
FLA	FULL LOAD AMPS	SEC	SECONDARY
FLEX	FLEXIBLE	SF	SPACE FOOT
FLUOR	FLUORESCENT	SURD	SURGE PROTECTIVE DEVICE
FT	FOOT/FEET (')	SPT	SINGLE POLE DOUBLE THROW
FM	FIRE ALARM EXTENDER PANEL	SPEC(S)	SPECIFICATIONS
		SPKR	SPEAKER
(G)		SPST	SINGLE POLE SINGLE THROW
G, GND, GRD	GROUND	STD	STANDARD
GEN	GENERATOR	SW	SWITCH
GF	GROUND FAULT INTERRUPTER	SWB	SWITCHBOARD
		SWGR	SWITCHGEAR
		SYM	SYMMETRICAL
(H)		(T)	
H	HORIZONTAL MOUNTING	TM	TERMINAL BLOCK
HI	HAND HOLD	TB	TERMINAL BLOCK
HDA	HAND-OFF-AUTOMATIC	TBB	TELEPHONE BACKBOARD
HP	HORSEPOWER	TC	TIME CLOCK
HPS	HIGH PRESSURE SODIUM	TELE, TELE	TELEPHONE
HR	HOUR	TELECOM	TELECOMMUNICATIONS
HT	HEIGHT	TP	TAMPERPROOF
HTR	HEATER	TV	TELEVISION
HVAC	HEATING VENTILATION AND AIR CONDITIONING	TYP	TYPICAL
HZ	HERTZ		
		(U)	
(I)		UG	UNDERGROUND
IG	ISOLATED GROUND	UGP	UNDERGROUND PRIMARY
IN	INCH/INCHES (")	UGS	UNDERGROUND SECONDARY
INCAND	INCANDESCENT	UST	UNDERGROUND TELEPHONE
		UL	UNDERWRITERS LABORATORY
(J)		UN	UNLESS OTHERWISE NOTED
JL, JBOX	JUNCTION BOX	UPS	UNINTERRUPTIBLE POWER SUPPLY
(K)		(V)	
K	KEY INTERLOCK	V	VOLTS
Kcmil	1000 CIRCULAR MILS	V	
KV	KILOVOLTS (THOUSAND VOLTS)	VFA	VOLT-AMPERES
KVA	KILOVOLTS-AMPERES (THOUSAND VOLT-AMPS)	VFD	VARIABLE FREQUENCY DRIVE/
KW	KILOWATTS (THOUSAND WATTS)		VARIABLE FREQUENCY MOTOR CONTROLLER
KWH	KILOWATT-HOURS		
		(W)	
(L)		W	WIRE
L-G	LINE TO GROUND	W	WITH
L-L	LINE TO LINE	WO	WITHOUT
LN	LINE TO NEUTRAL	WHM	WATT HOUR METER
LAN	LIGHTNING ARRESTOR	WP	WEATHERPROOF
LAN	LOCAL AREA NETWORK		
LC, LCP	LIGHTING CONTROL PANEL		
LP	LIGHTING PANEL	(X)	
LSI	LONG-TIME, SHORT-TIME, INSTANTANEOUS	X	REMOVE DEVICE
LSIA	LONG-TIME, SHORT-TIME, INSTANTANEOUS, GROUND-FAULT ALARM ONLY	XFM	TRANSFORMER
LSIG	LONG-TIME, SHORT-TIME, INSTANTANEOUS, GROUND-FAULT		
LTV	LIGHTING	% Z	PERCENT IMPEDANCE
LV	LOW VOLTAGE (BELOW 50 VOLTS)		

FIRE ALARM SYMBOLS

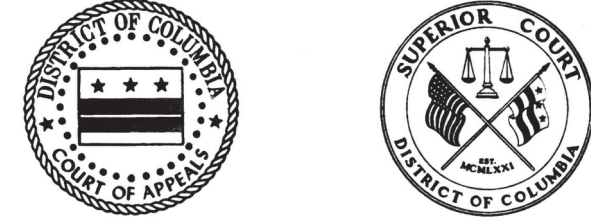
	STROBE - CEILING MOUNTED
	FA SPEAKER W/STROBE - CEILING MOUNTED
	MANUAL FIRE ALARM PULL STATION
	FIRE ALARM ADDRESSABLE RELAY (OUTPUT)
	FIRE ALARM CONTROL PANEL (FACP)
	NOTIFICATION APPLIANCE CIRCUIT POWER EXTENDER PANEL (NAC)
	FIRE ALARM AMPLIFIER PANEL (AMP)
	FIRE ALARM TERMINAL CABINET (FATC)

GENERAL NOTES

- THE WORK INCLUDES, BUT IS NOT LIMITED TO, MODIFYING AND EXTENDING AN EXISTING COMPLETELY SUPERVISED, INTELLIGENT, ADDRESSABLE FIRE ALARM AND DETECTION SYSTEM AS INDICATED IN THE CONTRACT DOCUMENTS. THE WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, MODIFICATION OR ADDITION OF WIRING, RACEWAYS, PULL BOXES, TERMINAL CABINETS, OUTLET AND MOUNTING BOXES, ALARMS, EQUIPMENT, ALARMS AND SUPERVISORY SIGNALS, INITIATING DEVICES, ALARM NOTIFICATION APPLIANCES, NOTIFICATION ALARM PANELS, INTERFACE EQUIPMENT, AND ALL OTHER ACCESSORIES AND MISCELLANEOUS ITEMS INCLUDING SOFTWARE, SYSTEM PROGRAMMING, TEST AND CONSTRUCTION PERMITS REQUIRED FOR A COMPLETE OPERATING SYSTEM NORMALLY AND CUSTOMARILY REQUIRED, WHETHER IDENTIFIED OR INHERENTLY NECESSARY DUE TO THE NATURE OF THE WORK. THE WORK SHALL COMPLY WITH THE APPLICABLE CODES AS STRIPULATED BY THE DEPARTMENT OF CONSTRUCTION REGISTRATION AND THE CITY OF LOS ANGELES. THE WORK SHALL BE LISTED FOR THE INTENDED PURPOSE BY A NATIONAL RECOGNIZED TESTING LABORATORY. THE CONTRACTOR SHALL CONDUCT A FULL FUNCTIONAL TEST OF THE EXISTING FIRE ALARM AND DETECTION SYSTEM PRIOR TO COMMENCEMENT OF WORK. DEFICIENCIES SHALL BE PROMPTLY BROUGHT TO THE OWNER'S AND ENGINEER'S ATTENTION IN WRITING.
- B. ANY CONFLICT AND/OR DISCREPANCY BETWEEN THESE GENERAL NOTES AND ANY OTHER INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS, THE MORE STRINGENT REQUIREMENT SHALL PREVAIL AND BE A REQUIREMENT OF THE WORK. ANY SUCH CONFLICT AND/OR DISCREPANCY SHALL BE PROMPTLY BROUGHT TO THE ATTENTION OF THE OWNER, ARCHITECT AND ENGINEER.
- C. PROVIDE ALL NECESSARY PERMITS, INSPECTIONS AND FINAL SYSTEM ACCEPTANCE FROM THE AUTHORITY HAVING JURISDICTION (AHJ) AND OWNER.
- D. THE TERM "PROVIDE" SHALL MEAN FURNISH, INSTALL AND CONNECT EQUIPMENT/DEVICE FOR A COMPLETE AND OPERATIONAL SYSTEM.
- E. THE TERM "REMOVE" SHALL MEAN DISCONNECT EQUIPMENT/DEVICE AND CLEAR FROM SITE, AS WELL AS MAINTAINING UPSTREAM AND DOWNSTREAM EQUIPMENT/DEVICES AS REQUIRED.
- F. VERIFY AND COORDINATE ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
- G. NOTIFY THE GOVERNMENT AT LEAST 48 HOURS IN ADVANCE PRIOR TO DISRUPTING ANY EXISTING SYSTEMS.
- H. A WORK PLAN SHALL BE PROPOSED BY THE CONTRACTOR TO THE OWNER OR OWNER'S REPRESENTATIVE TO DEMONSTRATE THAT THE WORK WILL BE PERFORMED IN SUCH MANNER TO MINIMIZE THE AMOUNT OF TIME THE EXISTING FIRE ALARM SYSTEM WILL BE OUT OF SERVICE. NOTIFY THE OWNER AND OBTAIN WRITTEN PERMISSION AT LEAST TWO BUSINESS DAYS IN ADVANCE PRIOR TO DISRUPTING ANY EXISTING FIRE ALARM SYSTEMS. PROVIDE COMPENSATING FIRE PROTECTION INCLUDING, BUT NOT LIMITED TO, FIRE WATER SERVICE IF THE FIRE ALARM SYSTEM IS TAKEN OUT OF SERVICE FOR MORE THAN 4 HOURS IN A 24 HOUR PERIOD.
- I. FIRE PROTECTION FOR BUILDING SYSTEMS SERVING OUT-OF-CONTRACT AREAS, SUCH AS SMOKE DETECTORS FOR ELEVATOR RECALLS, MUST BE MAINTAINED THROUGHOUT CONSTRUCTION PROGRESS. DEVICE RESTORATION, AS ALLOWED BY NFPA 72, OR REPLACEMENT ARE REQUIRED UPON CONSTRUCTION COMPLETION.
- J. NEW DEVICES (OR EXISTING TO REMAIN FUNCTIONAL) INSTALLED IN CONSTRUCTION AREAS THROUGHOUT COURSE OF CONSTRUCTION SHALL BE PROTECTED AS INSTRUCTED BY THE MANUFACTURER UNTIL THE SYSTEM IS FULLY OPERATIONAL.
- K. COORDINATE ALL WORK AND AVOID ALL CONFLICTS WITH LIGHTING FIXTURES, DIFFUSERS, GRILLS, DUCTS, STRUCTURAL MEMBERS, PIPES AND OTHER OBSTRUCTIONS.
- L. COORDINATE LOCATION OF AUTOMATIC SPRINKLER FLOW AND VALVE SUPERVISORY SWITCHES PRIOR TO CONDUIT RUN-IN TO ENSURE ACCESSIBILITY AND MINIMIZE LENGTH OF FLEXIBLE CONDUIT RUNS NECESSARY TO MAKE CONNECTIONS.
- M. SUBJECT TO ANY CODE RESTRICTION AND/OR REQUIREMENT AND UNLESS OTHERWISE NOTED, PROVIDE ELECTRICAL METALLIC TUBING (EMT) IN AREAS WITHOUT CEILINGS, EMT CONDUIT SHALL BE INSTALLED AS UNOBTURBABLE AS POSSIBLE, AS CLOSE AS POSSIBLE TO FLOORING/SLAB AND PARALLEL, AND AT RIGHT ANGLES TO STRUCTURAL STEEL OR CONCRETE, CONCEAL ALL CONDUITS ABOVE SUSPENDED CEILINGS AND BEHIND WALLS. IN UNFINISHED AREAS, CONDUIT MAY BE SURFACE MOUNTED UNLESS OTHERWISE NOTED. EXPOSED CONDUIT SHALL BE PAINTED TO MATCH ADJACENT FINISH.
- N. LOCATE FIRE ALARM DEVICES INSTALLED IN ACOUSTICAL TIE CEILINGS IN THE CENTER OF THE TIE.
- O. SUBJECT TO ANY INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS, MOUNT ALL VISUAL, WARNING, STRONG/AUDIBLE NOTIFICATION APPLIANCES TO ACHIEVE MAXIMUM AUDIBILITY/INTELLIGIBILITY AND VISIBILITY IN ACCORDANCE WITH CURRENT AADAQ GUIDELINES. PROVIDE CARE LOCATING VISUAL, WARNING/STRONG NOTIFICATIONS TO INSURE VISIBILITY AND AVOID OBSTRUCTIONS.
- P. ALL WALL AND FLOOR PENETRATIONS SHALL BE CORE DRILLED WITH MASONRY OR CONCRETE TYPE CORE BITS, AFTER CONDUIT INSTALLATION, ALL PENETRATIONS IN WALLS, CEILINGS AND FLOORS SHALL BE RECONSTRUCTED TO MATCH EXISTING FINISHES TO PROVIDE EQUAL OR GREATER FIRE RESISTANCE. ALL 3/8" TO 5/8" WALL SHALL BE CONSIDERED TO BE 1-HOUR FIRE RESISTIVE RATED CONSTRUCTION, EXCEPT STAIRWAY, SHUTT ENCLOSURES, AND FLOOR SLABS SHALL BE CONSIDERED 2-HOUR FIRE RESISTIVE RATED CONSTRUCTION. FLOOR PENETRATION FIRESTOPPS SHALL BE PROVIDED WITH 2-HOUR T-1 AND F-RATING.
- Q. DAMAGE TO WALLS, CEILINGS, FLOORS, AND STRUCTURAL MEMBERS FROM THE WORK SHALL BE PATCHED, REPAIRED AND PAINTED WITH NEW MATERIALS TO MATCH ADJACENT WORK, WHETHER SPECIFICALLY NOTED OR NOT.
- R. ELECTRICAL BOXES SHALL BE PROVIDED AS FOLLOWS:
I) EXPOSED WORK - CAST METAL BELL TYPE BOXES WITH THREADED HUB, EXCEPT WHERE FACTORY BOXES ARE PROVIDED; AND
II) CONCEALED WORK - BOXES MAY BE STAMPED STEEL BOXES.
- S. PROVIDE TERMINAL CABINETS OF SOLID WALL CONSTRUCTION WITH NO FACTORY CONDUIT KNOCK OUTS.
- T. PROVIDE COMPENSATING STEEL FITTINGS AND CONNECTORS FOR BOTH EXPOSED AND CONCEALED CONDUITS INCLUDING RISERS UP TO 2 INCHES IN DIAMETER.
- U. PROVIDE 1/2-INCH MINIMUM EMT TRADE SIZE CONDUIT, UNLESS OTHERWISE NOTED. VERTICAL RISERS SHALL BE ONE INCH DIAMETER EMT MINIMUM.
- V. MATCH FIRE ALARM CIRCUITS, SURVIVABILITY LEVELS, AND WIRING CONDUCTORS WITH WHAT IS EXISTING.

GENERAL DEMOLITION NOTES

- A. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS DURING THE CONTRACTOR'S PRE-BID SITE VISIT(S) AND BRING TO THE ATTENTION OF THE ARCHITECT/ENGINEER ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND THE ACTUAL SITE CONDITION PRIOR TO BID FOR CLARIFICATION. AFTER A CONTRACT IS EXECUTED, THE CONTRACTOR SHALL SUBMIT A "REQUEST FOR INFORMATION".
- B. THE REQUIRED DEMOLITION IS NOT LIMITED TO THAT PORTION INDICATED ON THE PLANS ALONE, BUT SHALL INCLUDE ALL NECESSARY WORK INCIDENTAL THERETO AND WORK INDICATED ELSEWHERE IN THE DRAWINGS AND SPECIFICATIONS WHICH IS NECESSARY TO ACCOMPLISH THE INTENT OF THE CONTRACT DOCUMENTS.
- C. THE CONTRACTOR SHALL NOT VIOLATE THE PHYSICAL SECURITY OF THE BUILDING DURING DEMOLITION OR ASSOCIATED OPERATIONS. COORDINATED SECURITY CLOSELY WITH THE OWNER.
- D. THE CONTRACTOR SHALL SCHEDULE ALL WORK, INCLUDING INTERRUPTIONS OF THE EXISTING UTILITIES, WITH THE OWNER. PRIOR TO STARTING WORK, CONTRACTOR SHALL NOTE THAT THE BUILDING WILL BE OCCUPIED AND IN USE DURING PERIODS OF TIME THAT WORK UNDER THIS CONTRACT IS BEING PERFORMED.
- E. THE CONTRACTOR SHALL ARRANGE DEMOLITION TO AGREE WITH THE ACCOMPLISHMENT OF WORK UNDER THE VARIOUS PHASES AND IN COORDINATION WITH THE REQUIRED MODIFICATIONS.
- F. DO NOT ALTER THE EXISTING SYSTEMS WHICH ARE LOCATED IN AREAS DESIGNATED "N/C" UNLESS SPECIFICALLY INDICATED. PROTECT EXISTING SYSTEMS WITHIN THE LIMITS OF WORK WHICH ARE TO BE RETAINED. CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED EQUIPMENT OR SYSTEMS DUE TO CONTRACTOR NEGLIGENCE TO ITS ORIGINAL CONDITION AND TO THE COMPLETE SATISFACTION OF THE OWNER, AND AT NO COST TO THE OWNER.
- G. ALL FIRE ALARM DEVICES AND EQUIPMENT INDICATED TO BE REMOVED SHALL HAVE ALL ASSOCIATED WIRING REMOVED BACK TO THE NEAREST DEVICE OR ELECTRICAL JUNCTION BOX AND TERMINATED IN A CONCEALED LOCATION.
- H. "CONCEALED LOCATION" IS DEFINED AS BEING ABOVE FINISHED CEILING, BELOW FINISHED FLOOR OR WITHIN FINISHED WALL OR PARTITION. SEE ARCHITECTURAL PLANS FOR FINISH INFORMATION.
- I. ALL DEVICES, EQUIPMENT, WIRING AND ACCESSORIES WHICH HAVE BEEN REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE FROM THE PROJECT SITE ALL DEMOLISHED DEVICES, EQUIPMENT, WIRING AND ACCESSORIES AS SOON AS POSSIBLE.
- J. REMOVAL OF FIRE ALARM EQUIPMENT SHALL TERMINATE WHERE DAMAGE WOULD OCCUR TO BUILDING IF FURTHER REMOVAL OCCURRED. DEMOLISH CONDUIT TO CEILING LEVEL AND REMOVE WIRING CONDUCTORS UNDER THIS CONDITION. ALL FIRE ALARM CONDUIT LOCATED ON THE EXTERIOR OF THE BUILDING SHALL BE DEMOLISHED TO THE INSIDE OF THE BUILDING. ABANDONED OUTLETS IN WALLS SHALL BE REMOVED AND WALLS PATCHED AND PAINTED TO MATCH ADJACENT FINISH. ALL ABANDONED FIRE ALARM BACKBOXES AND CONDUIT SHALL BE TAPPED AND MARKED "ABANDONED". NO BLACK COVER PLATES SHALL BE USED IN WALLS. ABANDONED OUTLETS IN CEILINGS SHALL BE COVERED WITH BRUSHED STAINLESS STEEL COVER PLATE OR PAINTED TO MATCH ADJACENT CEILING FINISH. ALL UNUSED DEVICES SHALL BE REMOVED.



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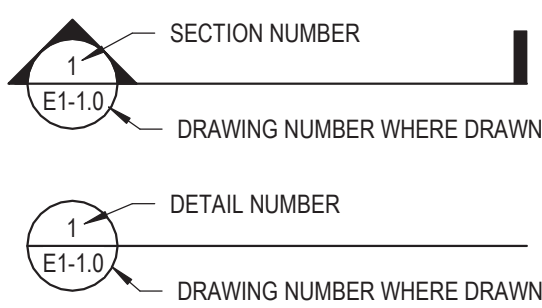
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SEALS AND SIGNATURES

REFERENCE SYMBOLS



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Plot Date:

SHEET TITLE

FIRE ALARM ABBREVIATIONS AND SYMBOLS

12808.000

PROJECT NUMBER

CD

1.FA.001

SHEET NUMBER

TECHNOLOGY JUNCTION BOX LEGEND										
TYPE		FUNCTION	ENCLOSURE DIMENSIONS			ENCLOSURE DESCRIPTION	ENCLOSURE MAKE & MODEL	MOUNTING STYLE	REFERENCE DETAIL	LEGEND NOTES
SYM	STYLE		LENGTH	WIDTH	DEPTH					
FP1	FLOOR	FLOOR RECESS POKE-THRU W/ AV, TELECOM AND POWER	6"	1"	16 1/4"	POKE-THRU DEVICE	WIREMOLD EVOLUTION 6AT	FLOOR WITH FINISHED FLOOR	1/1 T.901	A, B
FS1	FLOOR	FLOOR CONDUIT STUB	1 1/4"	3"		CONDUIT STUB UNDER FURNITURE	N/A	FLUSH TO 3" ABOVE FINISHED FLOOR		-
J1	WALL	FLAT PANEL DISPLAY PULL BOX	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED TWO-DEVICE COVER	RACO 258, 259 OR 265	60" AFF - FLUSH	2/1 T.901	-
J2	WALL	AV I/O PANEL	4 11/16"	4 11/16"	3 1/4"	PULL BOX W/ RAISED TWO-DEVICE COVER	RACO 260	PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNLESS OTHERWISE NOTED)	-	-
J3	WALL	FLAT PANEL DISPLAY PULL BOX	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED TWO-DEVICE COVER	RACO 258, 259 OR 265	72" AFF - FLUSH	2/1 T.901	-

TYPE		FUNCTION	VOLTS	AMPS	NEMA	DESCRIPTION	ADDITIONAL REQUIREMENTS	MOUNTING STYLE	REFERENCE DETAIL	LEGEND NOTES
SYM	STYLE									
P1	WALL	POWER RECEPTACLE - FLAT PANEL DISPLAY	120	20	5-20R	DOUBLE DUPLEX RECEPTACLE	TECHNICAL GROUND	80" AFF - FLUSH (UNLESS OTHERWISE NOTED)	21.T.901	F
P2	WALL	POWER RECEPTACLE - TECHNOLOGY	120	20	5-20R	DUPLEX RECEPTACLE	TECHNICAL GROUND	PROJECT STANDARD OUTLET HEIGHT	-	F
P3	WALL	POWER RECEPTACLE - FLAT PANEL DISPLAY	120	20	5-20R	DOUBLE DUPLEX RECEPTACLE	TECHNICAL GROUND	72" AFF - FLUSH (UNLESS OTHERWISE NOTED)	21.T.901	F
P4	FLOOR	POWER RECEPTACLE - POKE-THRU	120	20	5-20R	DUAL DUPLEX RECEPTACLES INSIDE POKE-THRU	TECHNICAL GROUND	INSTALL IN POKE-THRU PER MFR DIRECTIONS	1/1.T.901	A, B, F

TYPE		FUNCTION	VOLTS	AMPS	NEMA	DESCRIPTION	ADDITIONAL REQUIREMENTS	MOUNTING STYLE	REFERENCE DETAIL	LEGEND NOTES
SYM	STYLE									
P1	WALL	POWER RECEPTACLE - FLAT PANEL DISPLAY	120	20	5-20R	DOUBLE DUPLEX RECEPTACLE	TECHNICAL GROUND	60" AFF - FLUSH (UNLESS OTHERWISE NOTED)	211.7.901	F
P2	WALL	POWER RECEPTACLE - TECHNOLOGY	120	20	5-20R	DUPLEX RECEPTACLE	TECHNICAL GROUND	PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNLESS OTHERWISE NOTED)		F
P3	WALL	POWER RECEPTACLE - FLAT PANEL DISPLAY	120	20	5-20R	DOUBLE DUPLEX RECEPTACLE	TECHNICAL GROUND	72" AFF - FLUSH (UNLESS OTHERWISE NOTED)	211.7.901	F
P4	FLOOR	POWER RECEPTACLE - POKE-THRU	120	20	5-20R	DUAL DUPLEX RECEPTACLES INSIDE POKE-THRU	TECHNICAL GROUND	INSTALL IN POKE-THRU PER MFR DIRECTIONS	111.7.901	A, B, F

TELECOM CABLING LEGEND						
TYPE	CAT6 QTY	CAT6A QTY	FIBER QTY	COAX QTY	REFERENCE DETAIL	NOTES
A	0	2	0	1	4/1.19.02	-
B	0	4	0	0	4/1.19.02	-
C	0	2	0	0	-	TERMINATED ON BISCUIT JACK FOR WAP LOCATIONS
D	0	0	0	0	-	FURNITURE FEED

<h1>DISPLAY TYPE LEGEND</h1> <p>ALL DIMENSIONS IN INCHES / WEIGHT IN POUNDS</p>							
TYPE	NOMINAL IMAGE DIAGONAL	NOMINAL CASE SIZE			NOMINAL WEIGHT	BACKING	
		HEIGHT (H)	WIDTH (W)	DEPTH (D)		HEIGHT (H)	WIDTH (W)
1	55"	29"	50"	4"	64	24"	48"

MOUNTING STYLE	INSTALLATION	REFERENCE DETAIL
a	WALL MOUNTED DISPLAY	2/1.T.901

ALL DIMENSIONS IN INCHES				
ROOM NUMBER	DISPLAY QTY	DISPLAY TYPE	MOUNTING STYLE	ELEV AFF OC
4010	1	1	a	72"
4016	1	1	a	60"

TECHNOLOGY LEGEND NOTES

[A] FLOOR BOXES AND FLOOR PENETRATIONS:
VERIFY EXACT LOCATION, COVER STYLE AND FINISH WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE ON-GRADE OR FIRE-RATED VERTICAL FLOOR BOXES, AS REQUIRED.

[B] FPMN-90 POKE-THRU CONFIGURATION:
WIREMOLD EVOLUTION SERIES 84T POKE-THRU DEVICE WITH FINISHED COVER. VERIFY COVER STYLE AND FINISH WITH ARCHITECT PRIOR TO ORDERING. INCLUDE COMPONENTS: TEMPORARY CONSTRUCTION COVER, SP7HA 1/2-GANG PASS-THRU HOUSING, SP7HA 1-GANG PASS-THRU HOUSING ASSEMBLY, AND SP7HSA 1/2-GANG 1/2" CONDUIT HOUSING ASSEMBLY. PROVIDE AS REQUIRED: POWER RECEPTACLES, COMMUNICATION JAKES, CENTER MOUNT DEVICE PLATES, SIDE MOUNT DEVICE PLATES, BOTTOM FEED ASSEMBLIES, AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

[C] TELECOM OUTLETS AND ASSOCIATED CONDUITS:
CONDUIT MUST BE PROVIDED FOR ALL TELECOM JUNCTION BOXES. SEE THE "TELECOM TYPICAL CONDUIT RISER" FOR CONDUIT REQUIREMENTS BY TELECOM JUNCTION BOX TYPE. REFER TO THE TELECOM PLANS FOR THE LOCATIONS OF JUNCTION BOXES AND FLOOR BOXES, AND THE "TELECOM CABLE LEGEND" FOR OUTLET CONFIGURATION REQUIREMENTS. TELECOM CABLEING, OUTLETS AND COVER PLATES PROVIDED BY THE STRUCTURED CABLEING SYSTEMS CONTRACTOR.

[D] TELECOM OUTLETS FOR AUDIOVISUAL SYSTEMS:
TELECOM OUTLETS SHOWN ON THE DRAWINGS ARE REPRESENTATIVE OF TELECOM CONNECTIVITY REQUIREMENTS IN SUPPORT OF AUDIOVISUAL SYSTEMS. THE LOCATION OF TELECOM OUTLETS FOR AUDIOVISUAL EQUIPMENT IN RELATION TO OTHER TECHNOLOGY INFRASTRUCTURE MAY BE CRITICAL. REFER TO THE STRUCTURED CABLEING SYSTEM SPECIFICATION AND DRAWINGS FOR ADDITIONAL INFORMATION.

[E] POWER RECEPTACLES ADJACENT STANDARD TELECOM WALL OUTLETS:
TELECOM WALL OUTLET AND CONDUIT PURPOSES. SHOULD HAVE A DUPLEX POWER RECEPTACLE LOCATED WITHIN 36" OF THE TELECOM WALL OUTLET. IDEALLY, THE TELECOM OUTLET BOX WILL BE MOUNTED TO ONE SIDE OF A STUD, AND THE POWER BOX TO THE OPPOSITE SIDE OF THE STUD.

[F] POWER RECEPTACLES
TECHNICAL POWER RECEPTACLES, INCLUDING THOSE WITHIN FLOOR BOXES, WALL BOXES, OR CEILING BOXES, ARE PROVIDED BY ELECTRICAL CONTRACTOR AND APPEAR ON THE ELECTRICAL DRAWINGS. THE TECHNICAL POWER RECEPTACLES ALSO APPEAR ON THE TECHNOLOGY INFRASTRUCTURE DRAWINGS FOR AUDIOVISUAL AND CONDUIT PURPOSES. THE LOCATION OF TECHNICAL POWER RECEPTACLES IN RELATION TO OTHER TECHNOLOGY INFRASTRUCTURE MAY BE CRITICAL. REFER TO THE ELECTRICAL DRAWINGS FOR COMPLETE POWER LAYOUTS AND CIRCUITING DETAILS.

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SHEET TITLE

TECHNOLOGY
INFRASTRUCTURE
LEGENDS, SCHEDULES
AND GENERAL NOTES

PROJECT NUMBER
CD 1.T.002
SHEET NUMBER

AUDIOVISUAL SPECIFICATIONS		
PART 1 – GENERAL	PART 2 – PRODUCTS	PART 3 – EXECUTION
<p>A. GENERAL PROVISIONS</p> <p>1. THE PURPOSE OF THESE DOCUMENTS IS TO PROVIDE SUFFICIENT DETAIL FOR THE BIDDER TO UNDERSTAND THE FUNCTIONAL REQUIREMENTS OF THE SYSTEMS, THE INSTALLATION AND PERFORMANCE STANDARDS THAT MUST BE MET, AND THE REQUIRED SCOPE OF WORK, IN ORDER TO GENERATE AND SUBMIT A COMPLETE AND ACCURATE BID.</p> <p>2. THE GENERAL CONDITIONS, REQUIREMENTS, AND SPECIAL PROVISIONS, IF ANY LARGER BODY OF SPECIFICATIONS, OF WHICH THIS SPECIFICATION MAY BE A PART, ARE HEREBY MADE A PART OF THIS SPECIFICATION. IN THE EVENT THAT ANY CLAUSES OR PROVISIONS OF THE LARGER BODY OF SPECIFICATION CONFLICT WITH THE LETTER OR INTENT OF THIS SPECIFICATION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONSULTANT FOR CLARIFICATION AND DIRECTION.</p> <p>B. CONTRACTOR QUALIFICATIONS</p> <p>1. THE CONTRACTOR SHALL BE AN AUTHORIZED RESELLER AND INSTALLER OF PRODUCTS WITHIN THIS PROJECT.</p> <p>C. SCOPE OF WORK</p> <p>1. THE CONTRACTOR SHALL PROVIDE COMPLETE, TURKEY AUDIOVISUAL SYSTEMS PERFORMING ALL OF THE SERVICES AND FUNCTIONS AS DESCRIBED OR GENERALLY INFERRED HEREIN, TOGETHER WITH ALL OTHER APPARATUS, CABLE, MATERIALS, LABOR, CONFIGURATION / PROGRAMMING, TESTING, TOOLS, TRANSPORTATION, AND ANY OTHER RESOURCES NECESSARY TO PROVIDE A COMPLETE SYSTEM.</p> <p>2. COORDINATION – COMMUNICATING AND COORDINATING DIRECTLY WITH THE CONSULTANT, OWNER, ARCHITECT AND OTHER TRADES COMPLYING WITH ALL REQUIREMENTS AS DEFINED UNDER THIS SCOPE OF WORK AND ELSEWHERE, TO ENSURE THE INSTALLATION, THE CONTRACTOR SHALL COORDINATE HIS/HER WORK WITH THAT OF OTHER TRADES. THE CONTRACTOR SHOULD ANTICIPATE ATTENDING WEEKLY PROJECT COORDINATION MEETINGS WITH THE OWNER, ARCHITECT, GENERAL CONTRACTOR, CONSULTANT OR OTHER TRADES AS REQUIRED.</p> <p>D. SITE CONDITIONS</p> <p>1. CONFLICTS – THE BIDDER SHALL BE RESPONSIBLE FOR INVESTIGATING ANY POTENTIAL CONFLICTS WITH SITE-RELATED OR UNION-RELATED ISSUES REGARDING USE OF PERSONNEL, SCHEDULING, ACCESS TO THE SITE, STORAGE OF TOOLS AND EQUIPMENT ON SITE, AND OTHER AREAS OF POTENTIAL CONFLICT. IF THESE ISSUES IMPACT THE BIDDER'S BID RESPONSE, THE IMPACTS ON COST AND SCHEDULE SHOULD BE CLEARLY NOTED IN THE BID RESPONSE.</p> <p>2. THE CONTRACTOR SHALL VERIFY DIMENSIONS OF EQUIPMENT, EQUIPMENT ARRANGEMENTS, SPACE AVAILABILITY (INCLUDING ANY MILLWORK OR CABINETRY PROVIDED BY OTHERS) AND PROVIDE SYSTEMS THAT WORK WITHIN THE CONSTRAINTS OF THE SPACE AVAILABLE. THE CONTRACTOR SHALL NOTIFY THE CONSULTANT OF ANY SITUATION WHERE SPACE CONSTRAINTS ARE A PROBLEM, PRIOR TO THE SUBMISSION OF SHOP DRAWINGS OR THE ORDERING OR PURCHASE OF EQUIPMENT. THE CONTRACTOR SHALL BEAR THE EXPENSE OF PROVIDING ALTERNATE EQUIPMENT, WHICH WILL WORK WITHIN THE AVAILABLE SPACE, IF SPACE AVAILABILITY PROBLEMS ARE DISCOVERED AFTER SHOP DRAWINGS ARE SUBMITTED AND APPROVED.</p> <p>3. DRAWINGS INDICATE LOCATIONS OF EQUIPMENT AND COMPONENTS. CHANGES IN THE LOCATION, AND OFFSETS OF SAME TO ACCOMMODATE BUILDING CONDITIONS, AND COORDINATION WITH THE WORK OF OTHER TRADES SHALL BE MADE PRIOR TO INITIAL INSTALLATION, WITHOUT ADDITIONAL COST TO THE OWNER.</p> <p>4. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL CONDUIT, BOXES, AND OTHER CABLEING PATHWAYS AS INDICATED IN THE INFRASTRUCTURE REFERENCE DRAWINGS AND PROVIDED BY OTHERS. THIS REVIEW SHALL INCLUDE THE DRAWINGS AS WELL AS AS-BUILT CONDITIONS ON SITE. THE CONTRACTOR SHALL NOTIFY THE CONSULTANT, GENERAL CONTRACTOR, AND ARCHITECT OF ANY DEFICIENCIES, ISSUES, OR INCORRECT INSTALLATIONS ON SITE THAT MAY IMPACT THE INSTALLATION OF THE AUDIOVISUAL SYSTEMS CABLEING OR EQUIPMENT AS SPECIFIED. FAILURE TO PERFORM THIS REVIEW WILL RESULT IN A REVISED CABLEING APPROACH TO BE DESIGNED, PROPOSED, AND IMPLEMENTED BY THE CONTRACTOR, WITH ANY ADDITIONAL COSTS BORNE BY THE CONTRACTOR.</p> <p>5. ALL EQUIPMENT, CABLEING, MATERIALS, AND INSTALLATION METHODOLOGY SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, THE CURRENT PUBLISHED EDITION OF THE NATIONAL ELECTRICAL CODE, AND ALL OTHER APPLICABLE LAWS AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ANY ADDITIONAL PERMITS AND INSPECTIONS REQUIRED BY ALL LEGAL AUTHORITIES AND AGENCIES HAVING JURISDICTION OVER THE CONTRACTOR'S WORK.</p> <p>E. QUALITY ASSURANCE</p> <p>1. UNLESS OTHERWISE STATED, ALL EQUIPMENT FOR THIS INSTALLATION WILL BE NEW, LESS THAN ONE YEAR FROM THE DATE OF MANUFACTURE, AND WITHOUT BLEMISH OR DEFECT.</p> <p>2. ALL ELECTRICAL, ELECTRONIC AND OPTICAL EQUIPMENT PROVIDED BY THE CONTRACTOR SHALL BE A PRODUCT OF COMPANIES REGULARLY ENGAGED IN THE MANUFACTURE OF ELECTRICAL, ELECTRONIC OR OPTICAL EQUIPMENT.</p> <p>3. ALL EQUIPMENT MUST BE PURCHASED FROM A MANUFACTURER-APPROVED DISTRIBUTOR OR RESELLER. PURCHASE OF EQUIPMENT FROM A NON-APPROVED RESELLER IS PROHIBITED.</p> <p>4. WHERE APPLICABLE, ALL EQUIPMENT MUST HAVE THE MANUFACTURER'S LATEST FIRMWARE VERSION INSTALLED PRIOR TO TESTING AND SYSTEMS PERFORMANCE VERIFICATION.</p> <p>5. THE CONTRACTOR SHALL SUPPLY AND INSTALL ANY INCIDENTAL EQUIPMENT NEEDED IN ORDER TO RESULT IN A COMPLETE AND OPERABLE SYSTEM WITHOUT CLAIM FOR ADDITIONAL PAYMENT, EVEN IF SUCH EQUIPMENT IS NOT LISTED IN THIS SPECIFICATION.</p> <p>6. ALL WORK RELATED TO THIS SPECIFICATION SHALL BE COMPLETED IN A PROFESSIONAL MANNER BY FULLY QUALIFIED WORKERS.</p> <p>7. THE CONTRACTOR SHALL SUPPLY DISPLAY MOUNTING HARDWARE THAT IS COMPLIANT WITH AMERICANS WITH DISABILITIES (ACT) ADVISORY 307 FOR PROTRUDING OBJECTS.</p> <p>F. SUBMITTALS</p> <p>1. FOLLOWING CONTRACT AWARD, THE CONTRACTOR SHALL PREPARE AND SUBMIT PROJECT SUBMITTAL DOCUMENTATION TO THE CONSULTANT. PROJECT SUBMITTAL DOCUMENTATION TO INCLUDE:</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF MAJOR PROJECT MILESTONES TO THE OWNER, ARCHITECT, OR CONSULTANT. THE CONTRACTOR SHALL SUBMIT A BRIEF PROGRESS REPORT VIA E-MAIL TO THE OWNER OR AN AUTHORIZED REPRESENTATIVE OF THE OWNER. THE PROGRESS REPORTS SHOULD BE CONCISE, UTILIZING BULLET POINTS OR OTHER EFFICIENT FORMAT. THE PROGRESS REPORTS SHALL BE SUBMITTED ON A WEEKLY BASIS. THE CONTRACTOR MUST RECEIVE WRITTEN APPROVAL FROM THE OWNER OR AN AUTHORIZED REPRESENTATIVE OF THE OWNER, IN WRITING, PRIOR TO PURCHASING, FABRICATING OR INSTALLING ANY EQUIPMENT OR MATERIALS. APPROVAL TO PROCEED WILL BE GIVEN BASED UPON SHOP DRAWINGS. SHOP DRAWINGS SHALL INCLUDE: <ol style="list-style-type: none"> SYSTEM SIGNAL FLOW CABLEING SCHEDULE AND LABELING SCHEME MOUNTING DETAILS CUSTOM INTERCONNECT PANELS FURNITURE IF PROVIDED BY THE AV CONTRACTOR STRUCTURAL ANCHORAGE CALCULATIONS, DRAWINGS AND DETAILS – IF REQUIRED, TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION. OTHERS, AS MAY BE REQUIRED BY THE ARCHITECT, CONSULTANT OR OWNER. THE CONTRACTOR SHALL SUBMIT A COMPREHENSIVE BILL OF MATERIALS CONCURRENTLY WITH THE SHOP DRAWING SUBMITTAL. THE CONTRACTOR SHALL PREPARE A PACKAGE OF PRODUCT CUT SHEETS FOR REVIEW WITH THE OWNER AT THE TIME OF THE SHOP DRAWINGS. <p>G. FINAL AS BUILT DOCUMENTATION</p> <p>1. FOLLOWING SUBSTANTIAL COMPLETION, THE CONTRACTOR SHALL PREPARE AND SUBMIT A FINAL DOCUMENTATION SET TO THE CONSULTANT. FINAL AS BUILT DOCUMENTATION TO INCLUDE:</p> <ol style="list-style-type: none"> AS BUILT DRAWINGS SCHEDULE OF IP AND MAC ADDRESSES FOR ALL ETHERNET ENABLED AV DEVICES, ORGANIZED BY ROOM NAME AND NUMBER, IF APPLICABLE LISTING OF EACH SUPPLIED ITEM WITH MANUFACTURER, MODEL NUMBER AND SERIAL NUMBER, ORGANIZED BY ROOM NAME AND NUMBER OPERATOR'S MANUALS FOR EACH PIECE OF EQUIPMENT SUPPLIED BY THE CONTRACTOR. QUICK REFERENCE GUIDES COPIES OF ALL SOURCE CODE USED FOR THE DEVELOPMENT OF THE PROJECT SOFTWARE, IF APPLICABLE WARRANTY STATEMENT, A STATEMENT ON THE CONTRACTOR'S LETTERHEAD LISTING THE OFFICIAL START AND END DATES FOR THE CONTRACTOR'S WARRANTY ON ALL EQUIPMENT, MATERIALS, AND LABOR USED IN THE PROJECT. THE START DATE SHALL CORRESPOND WITH THE ESTABLISHED SUBSTANTIAL COMPLETION DATE, AND THE END DATE SHALL BE BASED ON THE TIMEFRAME OF WARRANTY COVERAGE PURCHASED BY THE OWNER AS PART OF THE CONTRACT. <p>H. WARRANTY</p> <p>1. THE CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT, MATERIALS, AND LABOR FOR A PERIOD OF (1) YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.</p> <p>2. DURING THE WARRANTY PERIOD, WITHIN (24) HOURS OF NOTIFICATION, THE CONTRACTOR SHALL ANSWER ALL SERVICE CALLS AND REQUESTS FOR INFORMATION.</p> <p>3. DURING THE WARRANTY PERIOD, WITHIN (96) HOURS OF ORIGINAL NOTIFICATION, THE CONTRACTOR SHALL PROVIDE EMERGENCY SERVICE TO RESTORE OPERATION OF THE SYSTEM, REPLACING DEFECTIVE MATERIALS, REPAIRING FAULTY WORKMANSHIP, MAKING TEMPORARY REPAIRS, AND PROVIDING LOANER EQUIPMENT AS NECESSARY, ALL AT NO CHARGE.</p> <p>4. PROVIDE (4) PREVENTATIVE MAINTENANCE SERVICE CALLS WITH ONE EVERY (90) DAYS DURING THE INITIAL WARRANTY PERIOD TO PERFORM SYSTEM MAINTENANCE AND ANY RELEVANT FIRM OR SOFTWARE UPDATES.</p>	<p>A. GENERAL</p> <p>1. REFER TO DRAWING SHEETS FOR SIGNAL FLOW DIAGRAMS.</p> <p>2. CONTRACTOR IS RESPONSIBLE FOR PERFORMING DEVICE TAKE-OFFS FROM THE SIGNAL FLOW DIAGRAMS. CONTRACTOR SHALL UTILIZE DEVICES FROM THE FOLLOWING APPROVED MANUFACTURER/DEVICE LIST. WHERE A SPECIFIC MANUFACTURER IS NOT SHOWN FOR A PRODUCT CATEGORY, CONTRACTOR SHALL PROVIDE A PRODUCT WHICH IS COMPARABLE TO OTHER MANUFACTURERS SPECIFIED HEREIN.</p> <p>3. WHERE THERE ARE MULTIPLE INSTANCES OF THE SAME PRODUCT TYPE IN THE PROJECT THE CONTRACTOR SHALL UTILIZE THE SAME MANUFACTURER AND LINE, WHERE APPLICABLE, FOR THE PRODUCT CATEGORIES LISTED BELOW.</p> <p>4. ACCEPTABLE MANUFACTURERS/PRODUCTS:</p> <ol style="list-style-type: none"> DISPLAYS - FOR PANTRIES AND LUNCHROOMS – SHARPNEC, I.G. PANASONIC COMMERCIAL LCD DISPLAY WITH INTEGRAL CLEAR QAM TUNER, PROFESSIONAL GRADE, 16:9 OR 24:9 OPERATION MOUNTS – PREMIER, LEGRAND VIDEO TRANSPORT – CRESTRON ELECTRONICS WIRELESS PRESENTATION GATEWAY - BARCO USB VIDEOCONFERENCING SYSTEM - CRESTRON ELECTRONICS, LOGITECH <p>5. CONTRACTOR SHALL PROVIDE ALL AUDIOVISUAL CABLEING WITHIN THIS PROJECT. APPROVED CABLE MANUFACTURERS ARE BELDEN, LIBERTY, MOGAMI, CANARE, MONSTER, COMPREHENSIVE, WEST PENN WIRE AND CRESTRON. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING EQUIVALENT CABLEING THAT IS APPROPRIATE FOR THE ENVIRONMENT IN WHICH IT IS INSTALLED.</p> <ol style="list-style-type: none"> ALL CABLES RUNNING BELOW SLAB ON GRADE OR IN AN OUTDOOR SETTING SHALL BE OUTDOOR RATED. ALL CABLES BEING INSTALLED WITHIN A PLENUM ENVIRONMENT MUST BE PLENUM RATED. <p>6. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY INSTALLATION MATERIALS INCLUDING, BUT NOT LIMITED TO: INSTALLED CABLE, LOOSE CABLE, TERMINATIONS, SIGNAL EXTENDERS, CABLE MANAGEMENT, VOICEDATAVIDEO PATCH CORDS, ADAPTERS, I/O PANELS, DEVICE MOUNTS (FLAT PANELS, SPEAKERS, ETC.), CABLE DRESSING, LACING BARS, COPPER BUS BARS, LABELS, RACK SHELVES, RACK MOUNTS, POWER SUPPLIES AND ADAPTERS, POWER STRIPS/DISTRIBUTION AND OTHER MATERIALS AS NEEDED TO INSTALL THE SYSTEMS DEFINED HEREIN.</p> <p>7. ITEMS SHOWN AS "OFC" (OWNER FURNISHED CONTRACTOR INSTALLED) WILL BE FURNISHED BY THE OWNER FOR INSTALLATION BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR COORDINATING DIRECTLY WITH OWNER.</p> <p>B. SYSTEMS DESCRIPTIONS</p> <p>REFER TO DRAWINGS AND NOTES ON DRAWINGS FOR REQUIREMENTS.</p>	<p>A. GENERAL</p> <p>1. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THIS SPECIFICATION, APPROVED SHOP DRAWINGS, AND MANUFACTURER'S RECOMMENDATIONS.</p> <p>2. ALL EQUIPMENT, WITH THE EXCEPTION OF PORTABLE EQUIPMENT, SHALL BE FIRMLY FASTENED OR ATTACHED IN PLACE. A SAFETY FACTOR OF AT LEAST FIVE SHALL BE UTILIZED FOR ALL BRACKETS, FASTENERS AND ATTACHMENTS.</p> <p>3. THE CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS INSTALLED SUCH THAT PROPER COOLING AND VENTILATION IS PROVIDED.</p> <p>4. ALL EQUIPMENT SHALL BE INSTALLED IN A MANNER, WHICH PREVENTS HUM, RF/EMI/EMF INTERFERENCE, AND MECHANICAL VIBRATION BASED NOISES (E.G. FAN MOUNTS, ETC.)</p> <p>5. ALL EQUIPMENT SHALL BE PROTECTED FROM CONSTRUCTION DUST AND DEBRIS UNTIL THE DATE OF SUBSTANTIAL COMPLETION.</p> <p>B. CABLEING</p> <p>1. ALL CABLEING INSTALLED BY THE CONTRACTOR TO SUPPORT AV SYSTEMS CONNECTIVITY SHALL MEET THE EQUIPMENT MANUFACTURER'S SPECIFICATIONS FOR CABLE AND CONNECTOR TYPES, INSTALLATION METHODS AND ROUTING, SEPARATION DISTANCE FROM ADJACENT SERVICES, MAXIMUM NUMBER OF DISCONNECT POINTS AND MAXIMUM OVERALL CABLE RUN LENGTHS REQUIRED TO MEET THE DESIGN INTENT AND MANUFACTURER'S PERFORMANCE CRITERIA. THE CABLEING SYSTEM SHALL BE TESTED AND VERIFIED.</p> <p>2. NON-CONTIGUOUS CABLE SUPPORT MECHANISMS SUCH AS HANGERS, RINGS, AND HOOKS SHALL NOT BE SPACED FARTHER THAN FOUR (4) FEET APART. ALL MANUFACTURED RACEWAYS USED FOR CABLES SHALL BE INSTALLED ACCORDING TO THE RACEWAY MANUFACTURER'S SPECIFICATIONS</p> <p>3. THE CONTRACTOR SHALL MAINTAIN, OR WHERE NOT ALREADY EXISTING, PROVIDE THROUGH PENETRATION FIRE STOP SYSTEMS TO PREVENT THE SPREAD OF FIRE THROUGH OPENINGS MADE IN FIRE-RATED WALLS OR FLOORS TO ACCOMMODATE PENETRATING ITEMS SUCH AS CONDUIT, CABLES OR OTHER PATHWAY. FIRE STOP SHALL RESTORE FLOOR AND WALL TO THE ORIGINAL FIRE RATED INTEGRITY. THE FIRE STOP SYSTEMS AND PRODUCTS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH THE PROCEDURES OF U.L. AND MATERIAL SHALL BE U.L. CLASSIFIED AS MATERIALS FOR USE IN THROUGH-PENETRATION FIRE STOPS.</p> <p>C. LABELS / WIRE MARKERS</p> <p>1. ALL CABLES SHALL BE PERMANENTLY IDENTIFIED AT EACH END BY MACHINE PRINTED CABLE MARKERS.</p> <p>D. VIDEO DISPLAYS</p> <p>1. VIDEO SETTINGS SHOULD BE ADJUSTED ON ALL FLAT PANEL DISPLAYS TO OPTIMIZE COLOR AND CONTRAST. SETTINGS SHOULD BE IDENTICAL BETWEEN MULTIPLE DISPLAYS WITHIN THE SAME ROOM, AREA, OR ROOM TYPE. ANY DYNAMIC CONTRAST MODES WITHIN FLAT PANEL DISPLAYS SHALL BE DISABLED.</p> <p>2. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL WORK IN CLOSE COORDINATION WITH THE OWNER TO DETERMINE THE OPTIMAL</p>



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SEALS AND SIGNATURES

DIVISION 27 - AUDIOVISUAL SPECIFICATIONS

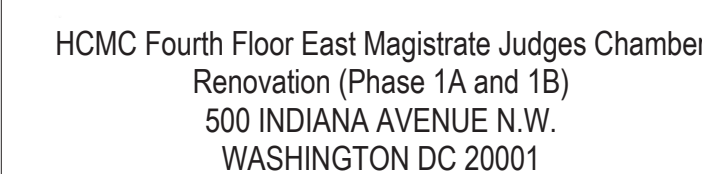
1.T.003



1. COORDINATE EXACT LOCATIONS OF FURNITURE FEEDS AND CABLE TERMINATIONS WITH SYSTEMS FURNITURE VENDOR.

1. COORDINATE EXACT LOCATIONS OF FURNITURE FEEDS AND CABLE TERMINATIONS WITH SYSTEMS FURNITURE VENDOR.

SHEET NUMBER

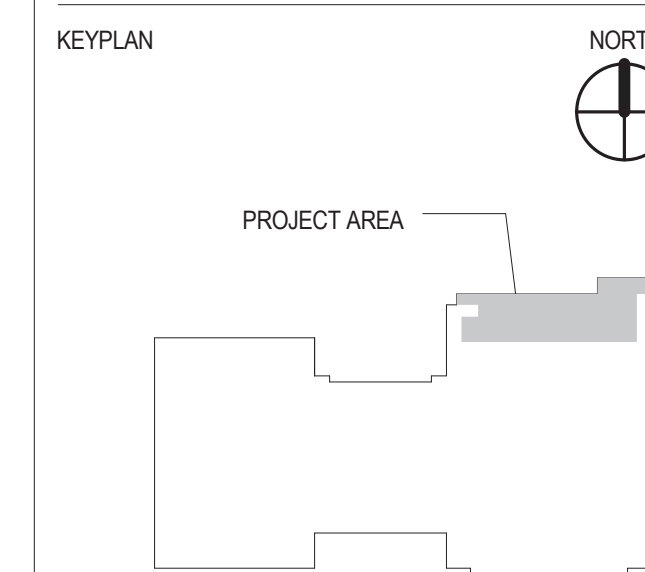


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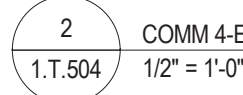
SEALS AND SIGNATURES



SHEET TITLE

TECHNOLOGY
INFRASTRUCTURE
REFLECTED CEILING PLAN
- LEVEL 4

PROJECT NUMBER **CD** **1.T.304**
SHEET NUMBER



3. CONTRACTOR SHALL INSTALL OFCI NETWORK SWITCHES IN EXISTING 2-POST RACK

1.T.504



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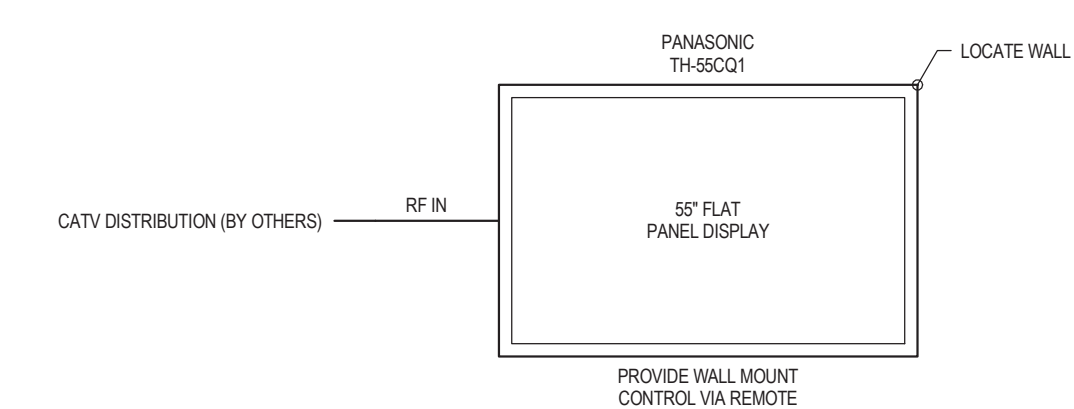
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SEALS AND SIGNATURES

AUDIOVISUAL INFRASTRUCTURE ROOM RISERS

2808

1.T.601

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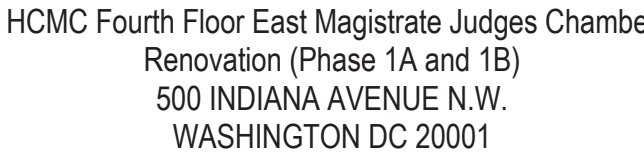
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SEALS AND SIGNATURES

BUILDING RISER CABLE SCHEDULE		
DESIGNATION	CABLE TYPE	CABLE CONFIGURATION
①	OPTICAL	12-STRAND OS2 FOSM, ARMORED, PLENUM RATED & 24-STRAND OM4 FOSM, ARMORED, PLENUM RATED

BUILDING RISER GENERAL NOTES

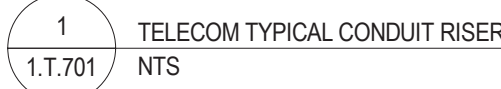
- ALL CABLE BASKET AND CONDUIT FOR TELECOM SHALL BE FURNISHED AND INSTALLED BY DIVISION 26.
- TELECOM BONDING BACKBONE (TBB) CONDUCTORS SHALL BE AS SIZED BY THE ELECTRICAL ENGINEER AND SHALL BE FURNISHED AND INSTALLED BY DIVISION 26.
- 6 AWG TBB CONDUCTORS SHALL BE FURNISHED AND INSTALLED BY DIVISION 27. INDIVIDUAL HOME /RUNS SHALL BE MADE FROM THE TMBG/TGB TO EACH OPEN FRAME EQUIPMENT RACK. RACKS SHALL NOT BE DASHY CHAINED.
- CABLE RUNWAY WITHIN MEH AND TELECOM ROOM SPACES SHALL BE FURNISHED AND INSTALL BY DIVISION 27. 6 AWG GROUND CONDUCTORS SHALL BE FURNISHED AND INSTALLED BY DIVISION 27. EACH CABLE RUNWAY ASSEMBLY SHALL HAVE A MINIMUM OF ONE "HOME" RUN BACK TO THE TGB. ALL CONTIGUOUS CABLE RUNWAY SEGMENTS SHALL BE BONDED TOGETHER USING 6 AWG STRAPS AND GROUNDED ACCORDING TO SPECIFICATIONS.



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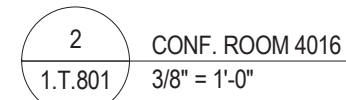
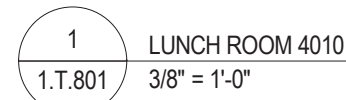
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SEALS AND SIGNATURES



PROJECT NUMBER
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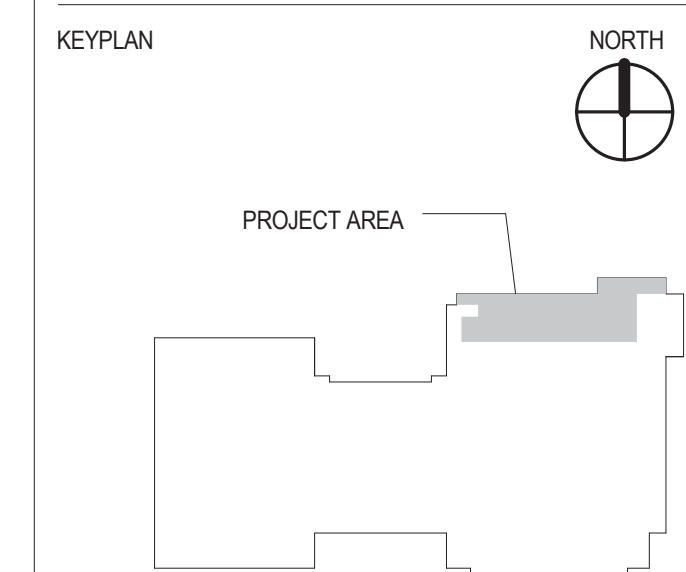


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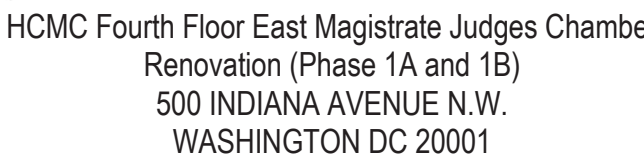
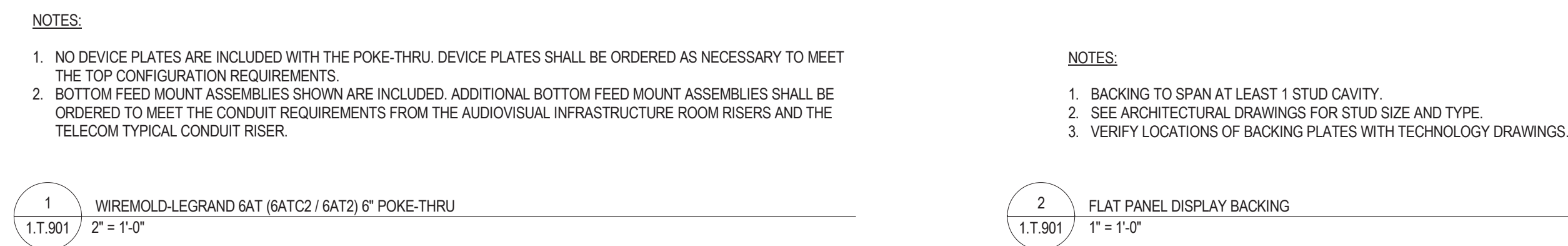
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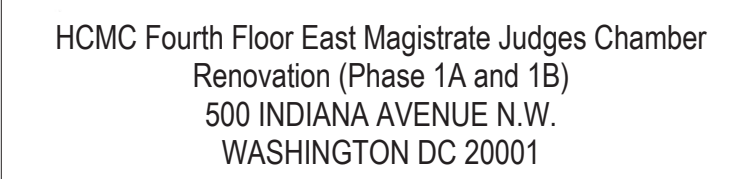
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SEALS AND SIGNATURES

TECHNOLOGY INFRASTRUCTURE DETAILS

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