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SCHOOL-BASED HEALTH CLINIC

for



at



100 E 25TH STREET
CHATTANOOGA, TN 37408



HAMILTON COUNTY DEPARTMENT OF EDUCATION

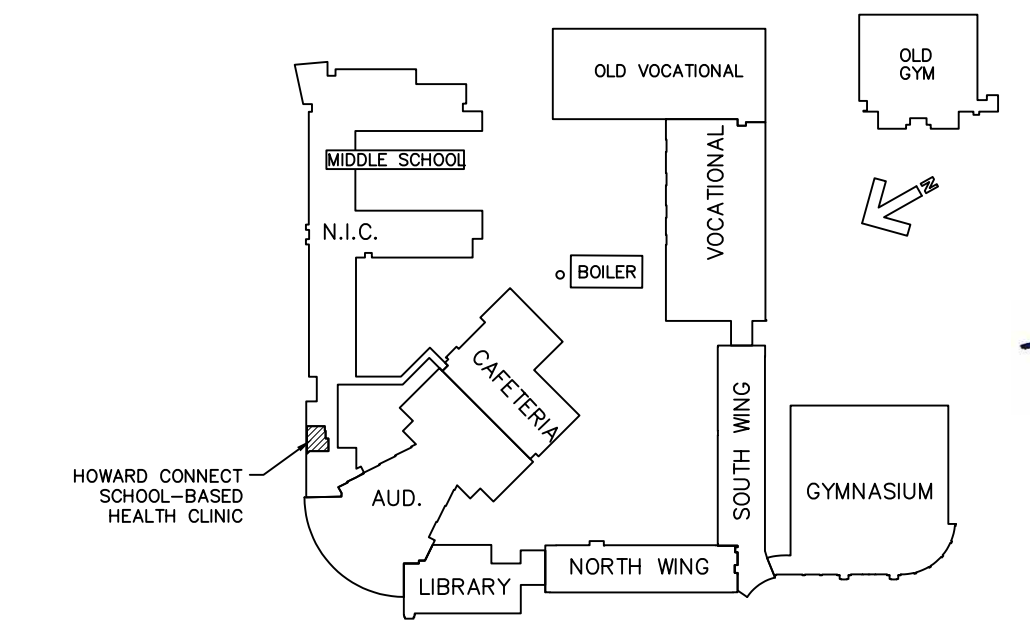
Division of Auxiliary Services
2501 Dodds Avenue
Chattanooga, Tennessee 37407
Telephone: 423/498-7255

BUILDING CODE SUMMARY	
NAME OF PROJECT:	HOWARD CONNECT SCHOOL-BASED HEALTH CLINIC HOWARD CONNECT ACADEMY
ADDRESS:	100 E 25TH STREET CHATTANOOGA, TN 37408
PROPOSED USE:	GROUP B AS ACCESSORY TO GROUP E
OWNER/CONTACT PERSON:	MR. JUSTIN HITT PH # 423 498-7255
CODE ENFORCEMENT JURISDICTION:	CITY OF CHATTANOOGA
APPLICABLE CODES - CITY OF CHATTANOOGA:	
2009 INTERNATIONAL BUILDING CODE (IBC), 2017 NATIONAL ELECTRIC CODE (NEC), 2009 INTERNATIONAL FIRE CODE (IFC), 2009 INTERNATIONAL MECHANICAL CODE (IMC), 2009 INTERNATIONAL PLUMBING CODE (IPC), 2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2009 INTERNATIONAL ACCESSIBLE & USABLE BUILDINGS & FACILITIES (ANSI/ICC/AIA), 2009 EDITION	
DESIGNER OF RECORD:	
DESIGNER:	NAME LICENSE # TELEPHONE #
ARCHITECTURAL:	DANIEL L. FLOYD / TN-18558 (423) 498-7255
ELECTRICAL:	JOHN F. GERM / TN-8588 (423) 267-9718
PLUMBING:	MATTHEW J. WILLIAMS / TN-105321 (423) 267-9718
MECHANICAL:	MATTHEW J. WILLIAMS / TN-105321 (423) 267-9718
STRUCTURAL:	MATTHEW J. WILLIAMS / TN-105321 (423) 267-9718
SPRINKLER - STANDPIPE:	MATTHEW J. WILLIAMS / TN-105321 (423) 267-9718
FIRE ALARM:	
CIVIL:	
EXISTING & RENOVATION BUILDING DATA:	
OCCUPANCY:	<input type="checkbox"/> ASSEMBLY <input checked="" type="checkbox"/> BUSINESS <input checked="" type="checkbox"/> EDUCATIONAL <input type="checkbox"/> MERCANTILE <input type="checkbox"/> HAZARDOUS <input type="checkbox"/> FACTORY-INDUSTRIAL <input type="checkbox"/> INSTITUTIONAL RESTRAINED <input type="checkbox"/> INSTITUTIONAL RESTRAINED USE CONDITION <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> STORAGE
MIXED OCCUPANCY:	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> SEPARATION <input type="checkbox"/> HR.
CONSTRUCTION TYPE:	II-B
MIXED CONSTRUCTION:	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> TYPE
SPRINKLER (EXISTING):	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> (S, IS, IS2) IS
FIRE DISTRICT:	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
BUILDING HEIGHT:	FEET 123 NUMBER OF STORES
MEZZANINE:	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
HIGH RISE:	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
GROSS EXISTING BLDG AREA:	TABULAR ALLOWABLE AREA: UNLIMITED
FLOOR:	RENOVATION AREA:
1ST FLOOR (EXISTING):	24034 SF GROUP E1 EXIST IN FLOOR 240 SF GROUP B1
2ND FLOOR (EXISTING):	20528 SF GROUP E2 5TH FLOOR
3RD FLOOR (EXISTING):	36062 SF GROUP E2 6TH FLOOR
4TH FLOOR:	7TH FLOOR
TOTAL GROSS AREA:	285274 SQ. FT.
AREA INCREASE?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES: CODE REFERENCE N/A
SPECIAL REQUIREMENTS:	ALL FLOOR AREA IS EXISTING, NO NEW AREA ADDED. RENOVATED AREA IS GROUP B AS ACCESSORY TO THE GROUP E OCCUPANCY IN ACCORDANCE WITH IBC 509.2.
LIFE SAFETY SYSTEM:	
EMERGENCY LIGHTING AND EXIT SIGNS:	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
FIRE ALARM AND SMOKE DETECTOR SYSTEMS:	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
PANIC HARDWARE:	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
EXIT REQUIREMENTS (FOR RENOVATION ONLY):	
DEAD END LINT-MAXIMUM CONDITION:	0 FEET
TRAVEL DISTANCE TO EXIT-MAXIMUM CONDITION:	0 FEET
EXIT WIDTHS:	
IN FLOOR RENOVATED AREA:	
GROSS SQUARE FOOTAGE OF FLOOR:	740 DIVIDED BY 100 SQ. FT. PER
OCCUPANCY:	740/100 = 7.4 TOTAL NUMBER OF PEOPLE ON FLOOR
EXIT WIDTHS PROVIDED:	92' EXIT WIDTHS REQUIRED: 116.8 x 3.2

MARK:	DATE:	DESCRIPTION:

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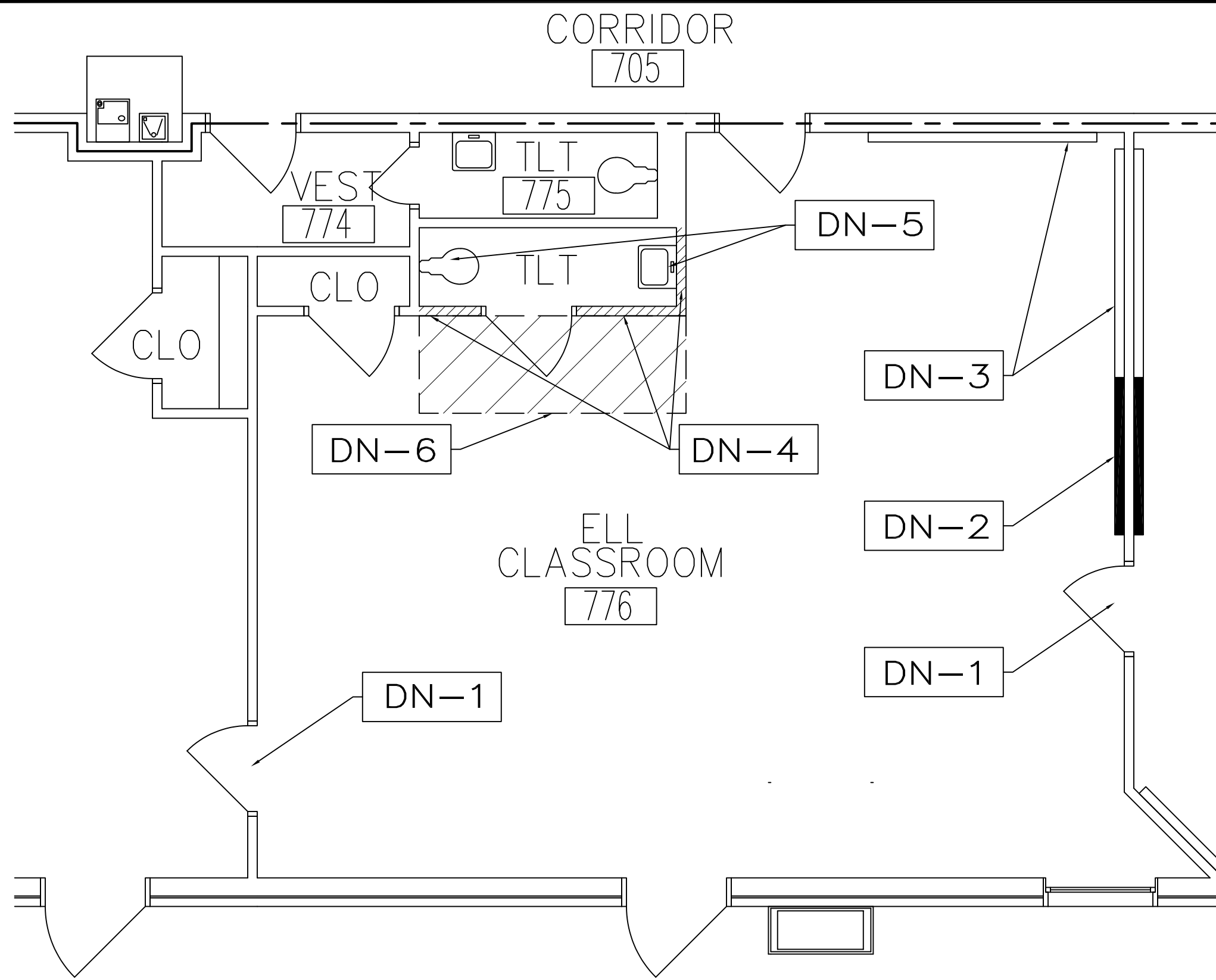
SCHOOL-BASED HEALTH CLINIC
at
HOWARD CONNECT ACADEMY
100 E 25TH STREET
CHATTANOOGA, TN 37408



KEY PLAN
NTS



FILE:	9517-231
DATE:	02/01/23
DRAWN:	job
CKD:	DLF
SHEET:	CS1.0
COVER SHEET & DRAWING INDEX	



ARCHITECTURAL DEMO FLOOR PLAN

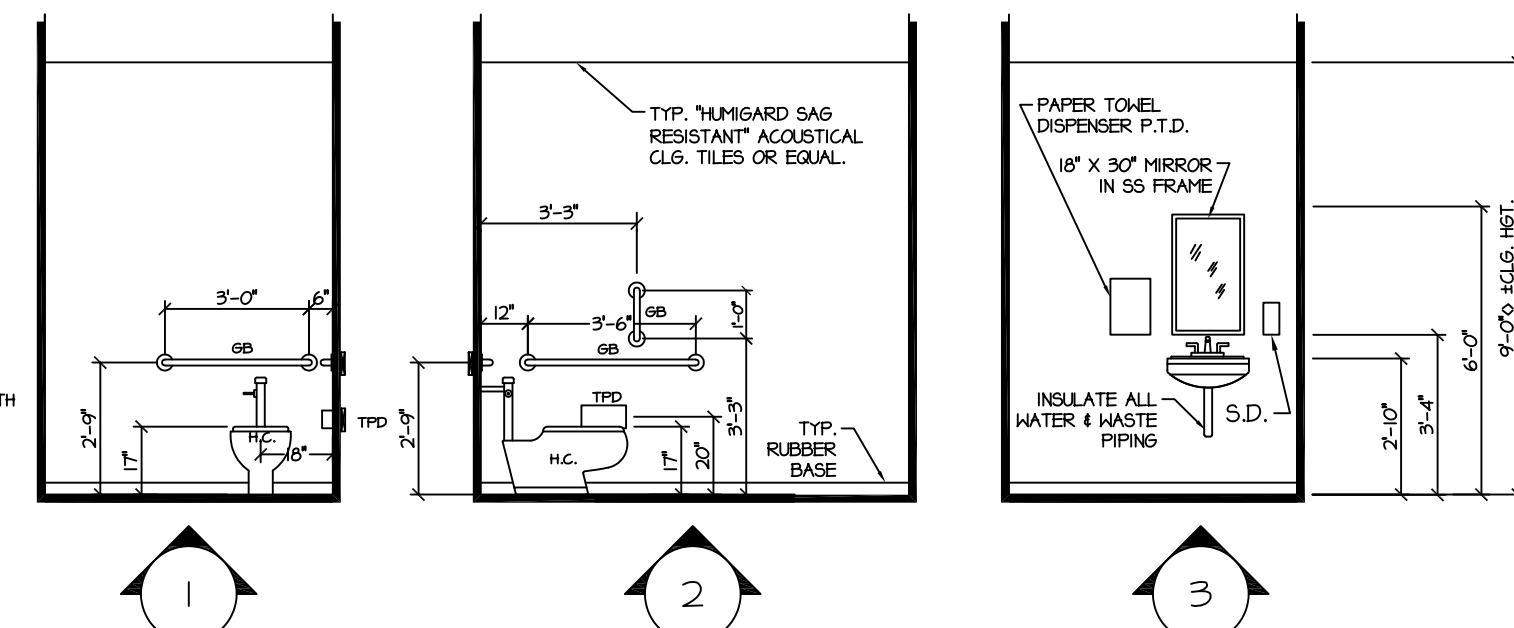
SCALE: 1/4" = 1'-0"

ABBREVIATIONS

- PTD - PAPER TOWEL DISPENSER
- SKD - SANITARY NAPKIN DISPOSAL
- TPD - TOILET PAPER DISPENSER
- GB - GRAB BAR
- SD - SOAP DISPENSER
- M/R - MIRROR

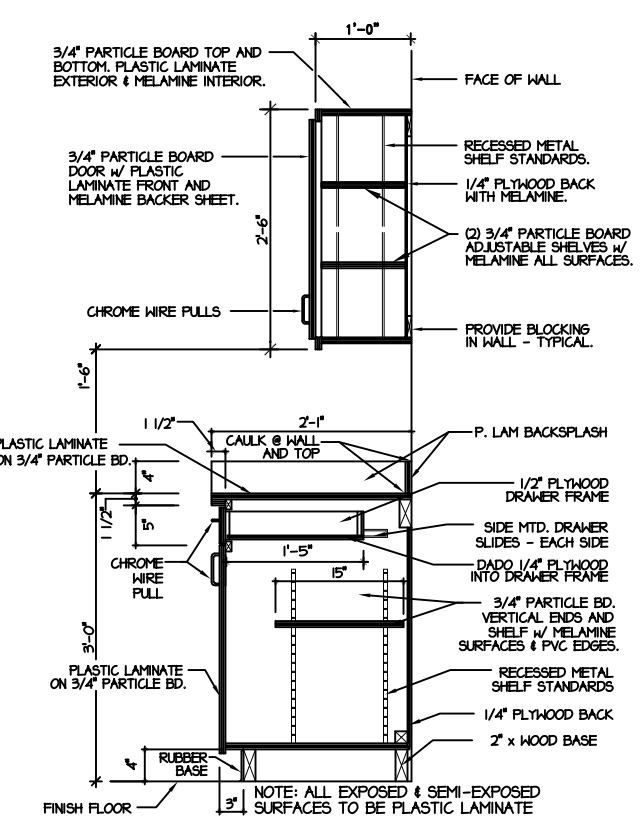
NOTES:

1. INSTALLER TO PROVIDE HOOD BLOCKING AS REQUIRED FOR ATTACHMENT OF ALL ACCESSORIES.
2. FIELD VERIFY ALL DIMENSIONS (TYPICAL).
3. IF LOCATION OR HEIGHT CONFLICTS, COORDINATE WITH OWNER/ARCHITECT PRIOR TO INSTALLING ACCESSORY.
4. PTD, TPD & SD PROVIDED BY OWNER, INSTALLED BY GC.



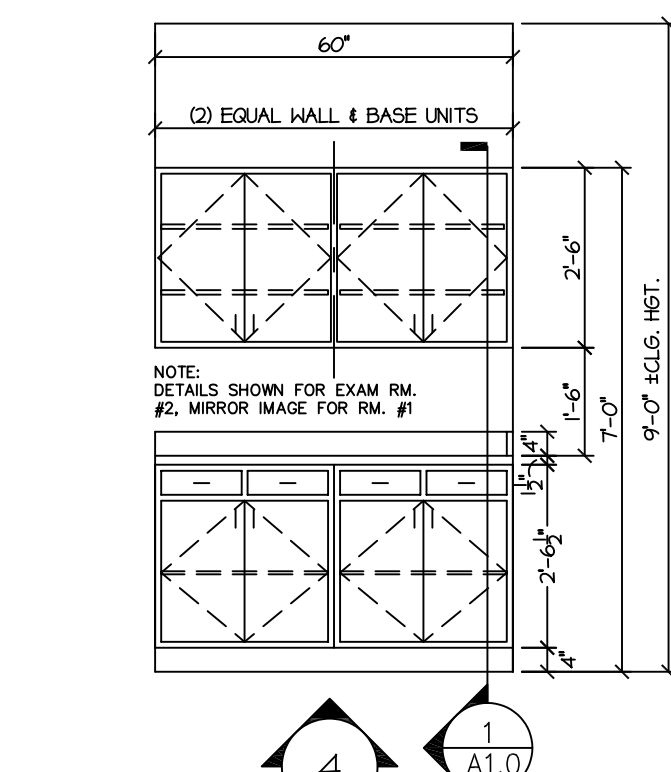
BATHROOM ELEVATIONS

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



CABINET SECTION

SCALE: 1/2" = 1'-0"



CABINET ELEVATIONS

SCALE: 3/8" = 1'-0"

DEMOLITION KEY

- DN-1 DOOR, LATCH PLATE & HINGES TO BE REMOVED. SEE DETAIL #1 ATTACHED FOR DOOR OPENING ENCLOSURE. DOOR FRAME TO REMAIN.
- DN-2 REMOVE EXISTING WALL HUNG TV & RELATED MOUNTING HARDWARE.
- DN-3 REMOVE EXISTING WALL HUNG WALL BOARD AND RELATED MOUNTING HARDWARE.
- DN-4 REMOVE EXISTING CMU WALL & DOORWAY DOWN FLUSH TO CONC. SLAB FLOOR. FILL WITH GROUT OPEN CMU CELLS FLUSH TO FLOOR. SAW CUT CMU WHERE REMOVAL ADJOINS REMAINING WALLS TO PRESERVE INTEGRITY OF VERTICAL JOINT. WHERE GYPSUM MEETS CMU, LEAVE MIN. 1/8" CAULK JOINT.
- DN-5 REMOVE EXISTING LAVATORY AND WATER CLOSET. MAINTAIN EXISTING WC PLUMBING FITTINGS FOR RECONNECT OF ADA MODEL WC. DEMO LAVATORY PLUMBING FOR NEW PIPING CONNECTION(S) TO FACILITATE FIXTURE RELOCATION. SEE MEP PLANS.
- DN-6 REMOVE VCT FLOOR TILE AND CEILING TILES. READY TO RECEIVE NEW FINISHES AS REQUIRED.

HARDWARE SCHEDULE

- 1 PRIVACY FUNCTION ADA LOCKSET, (3) HALF SURFACE HINGES, (3) SILENCERS, AND A HALL STOP.
- 2 INSTITUTIONAL GL3332 FUNCTION ADA LOCKSET (KEYED BOTH SIDES). CHANGE OUT LOCKSET ONLY. ALL OTHER HARDWARE TO REMAIN. TURN EXISTING LOCKSET OVER TO OWNER.

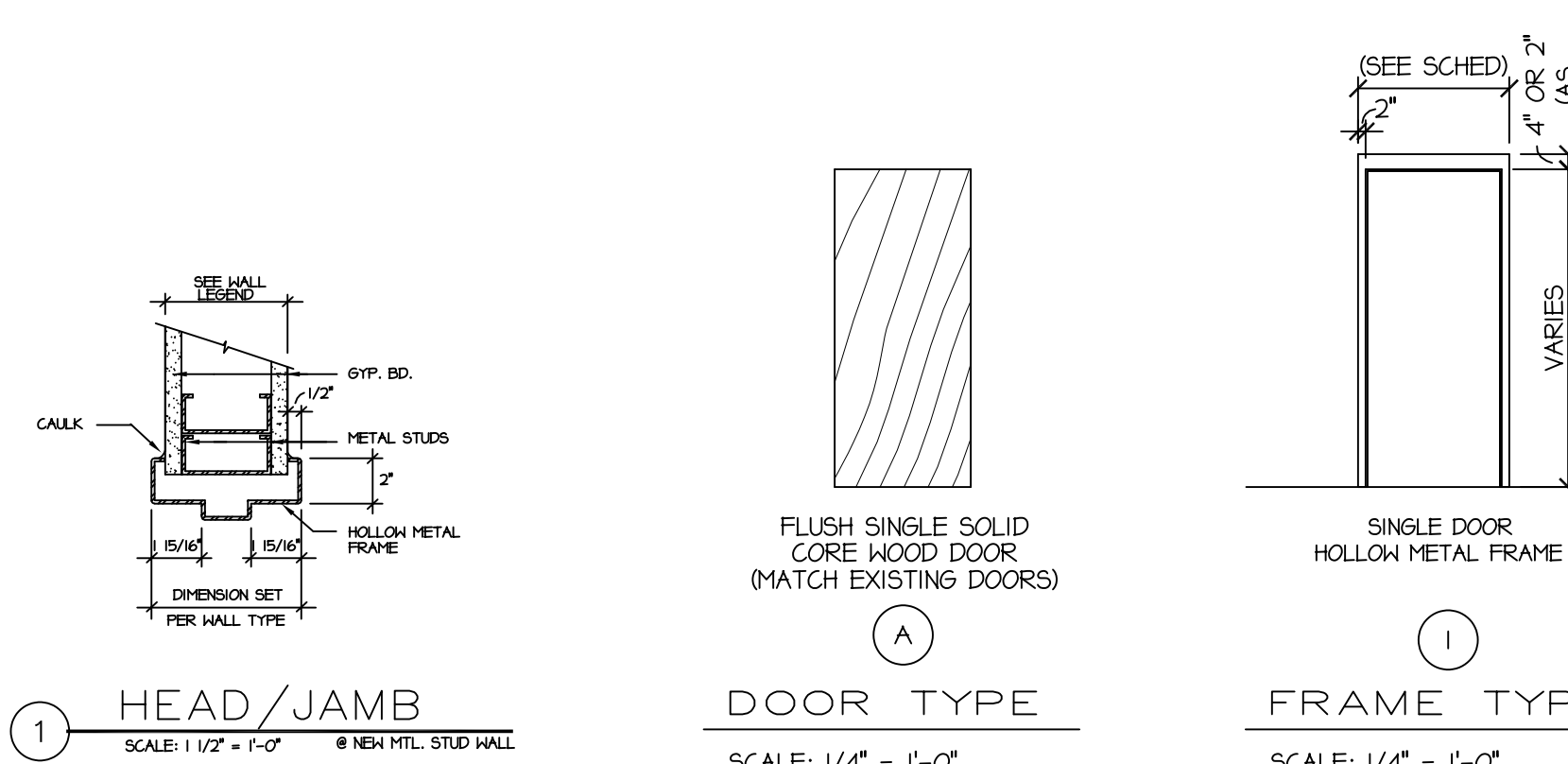
ABBREVIATIONS

- ME - MATCH EXISTING DOORS
- NAT - NATURAL
- WD - WOOD
- HM - HOLLOW METAL
- G - GLASS
- ETR - EXISTING TO REMAIN
- MHO - MAGNETIC HOLD OPEN CONNECTED TO FA SYSTEM

- HARDWARE NOTES:**
1. ALL HINGES, EXIT DEVICES, CLOSERS & LOCKSETS SHALL BE ADA COMPLIANT & BY CORBIN-RUSSWIN UNO.
 2. PUSH & PULL PLATES, WEATHERSTRIPPING & THRESHOLDS BY NATIONAL GUARD PRODUCTS. WEATHERSTRIPPING SHALL BE SCREW APPLIED w/ INSERT. NO BULB TYPE.
 3. ALL FINISHES & HARDWARE STYLES TO MATCH EXISTING.
 4. CYLINDERS FOR ALL DOORS SHALL BE CORBIN-RUSSWIN KEYWAYS HO2 FOR EXTERIOR DOORS & D-1 FOR INTERIOR DOORS. PROVIDE CORES. OWNER TO REKEY ALL CYLINDERS @ END OF PROJECT.
 5. CONTACT: R.G. ASSOCIATES, INC., (423) 756-9365, DAVID CROWE or Wm. S. TRIMBLE COMPANY, (865) 621-1539, ROGER WHITTAKER FOR HARDWARE PRICING.

DOOR AND FRAME SCHEDULE

MARK	TYPE	MATERIAL	DOOR			UL	GLAZING	FRAME				HARDWARE		NOTES	
			WD	HGT	THK			FINISH	JAMB	HEAD	SET NO	KEYSIDE RM NO			
O1	A	WD	3'-0"	7'-0"	1 3/4"	ME	-	1	HM	PNT	1/A1.0	1/A1.0	1		
O2	A	WD	3'-0"	7'-0"	1 3/4"	ME	-	1	HM	PNT	1/A1.0	1/A1.0	1		
O3	A	WD	3'-0"	7'-0"	1 3/4"	ME	-	1	HM	PNT	1/A1.0	1/A1.0	1		
O4	A	ETR	3'-0"	7'-0"	1 3/4"	ME	-	1	ETR	ETR	ETR	ETR	2		KEY BOTH SIDES



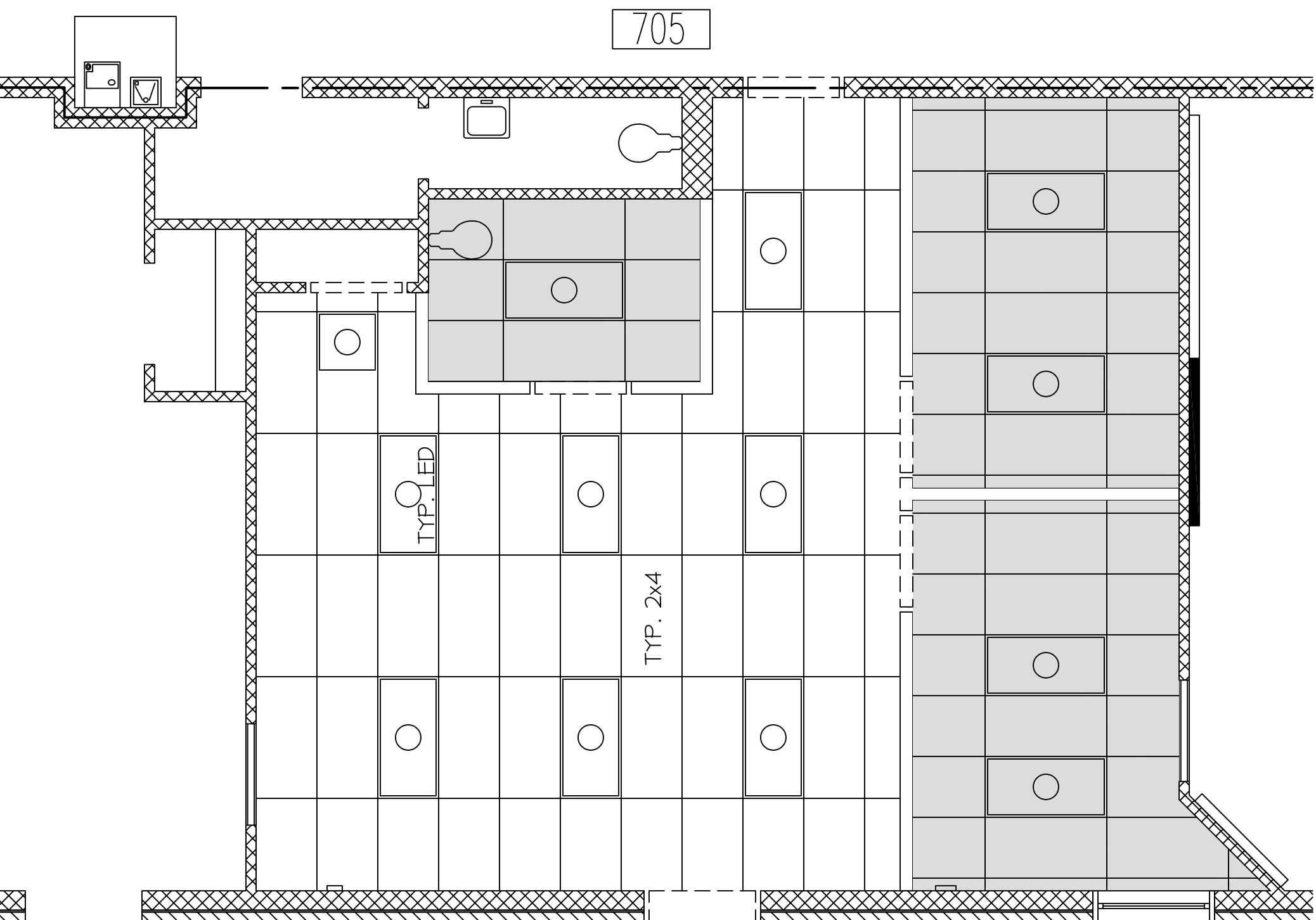
HEAD/JAMB SCALE: 1/2" = 1'-0" **DOOR TYPE** SCALE: 1/4" = 1'-0" **FRAME TYPE** SCALE: 1/4" = 1'-0"

WALL LEGEND

- A 3-5/8" METAL STUDS @16" O.C. WITH 5/8" GWB BOTH SIDES
- B EXISTING CMU SMOKE PARTITION CORRIDOR WALL
- C EXISTING CMU NON-RATED PARTITION WALL

ABBREVIATIONS

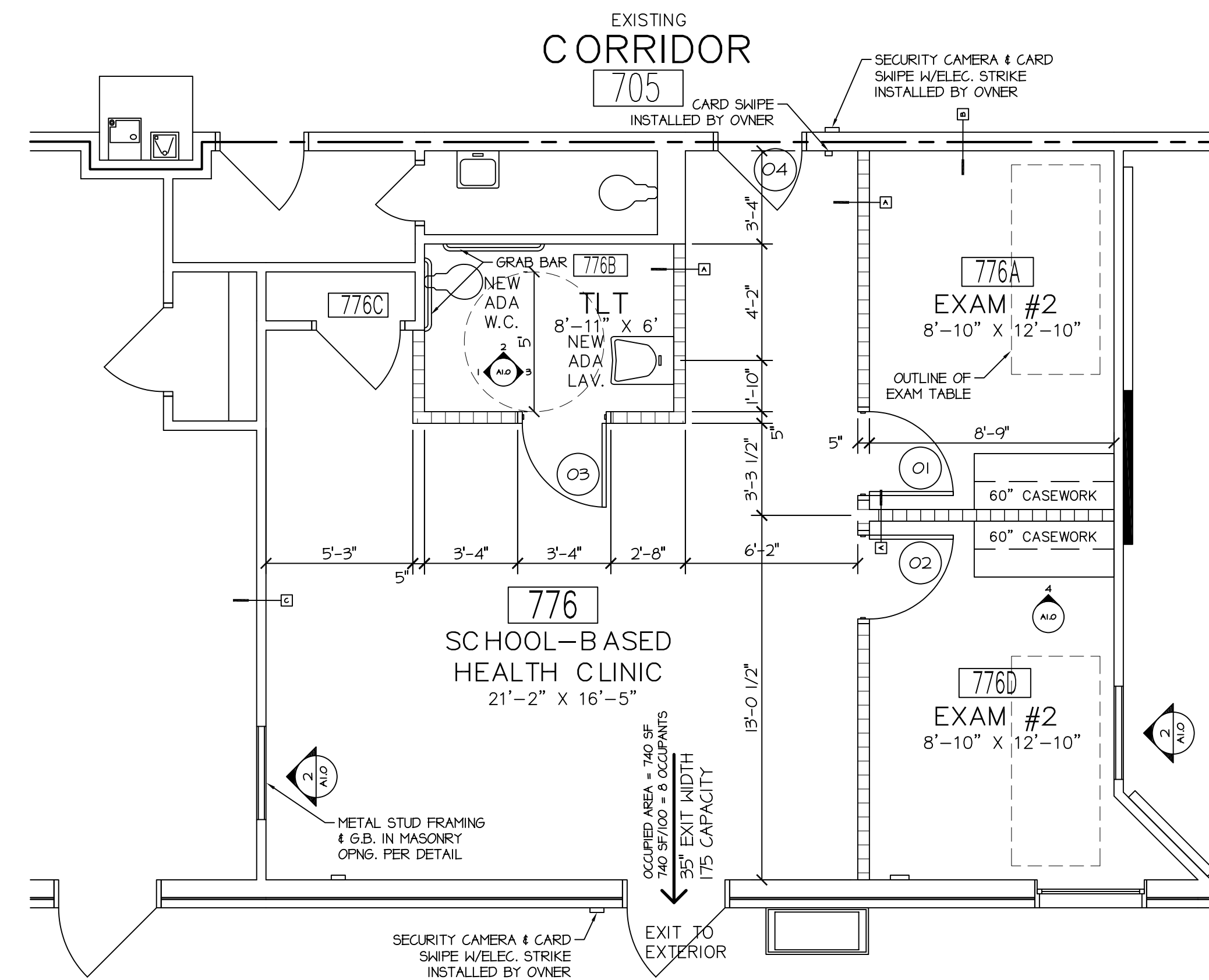
- ATC - ACOUSTIC TILE CEILING
- CONC STAIN - CONCRETE STAIN
- E.G. - EPOXY QUARTZ FINISH
- PTD CMU - PAINTED CONCRETE MASONRY UNITS
- PTD GB - PAINTED GYPSUM BOARD
- RB - RUBBER BASE
- VCT - VINYL COMPOSITION TILE
- ETR - EXISTING TO REMAIN WHERE NOT DISTURBED



- REFLECTED CEILING NOTES:**
1. CLG. TILE IN SHADED AREAS TO BE REVISED FOR NEW WALLS.
 2. SEE MEP PLANS FOR REGISTER & FIXTURE PLACEMENT IN GRID.

REFLECTED CEILING PLAN

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



ARCHITECTURAL FLOOR PLAN

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

FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALLS	CEILING	CEILING HGT.	REMARKS
776	HEALTH CLINIC	VCT - ETR	4" RB - ETR	PTD. GYP.	ATC	10'-4" EXISTING	*PORTION PTD. CMU, EXISTING ATC MODIFIED
776A	EXAM #1	VCT - ETR	4" RB	PTD. GYP.	ATC	9'-0"	*PORTION PTD. CMU
776B	TOILET	E.G.	4" RB	PTD. GYP.	ATC	9'-0"	*PORTION PTD. CMU
776C	CLOSET	VCT - ETR	4" RB - ETR	PTD. CMU	EXISTING	EXISTING	EXISTING
776D	EXAM #2	VCT - ETR	4" RB	PTD. GYP.	ATC	9'-0"	*PORTION PTD. CMU

NOTE: ALL NEW MATERIALS SHALL MATCH EXISTING IN TYPE, FINISH & COLOR.

REVISIONS

MARK	DATE	DESCRIPTION

HAMILTON COUNTY DEPARTMENT OF EDUCATION
 Division of Auxiliary Services
 2501 Dodds Avenue
 Chattanooga, Tennessee 37407
 Telephone: 423/498-7255

HAMILTON COUNTY SCHOOLS

SCHOOL-BASED HEALTH CLINIC
 at
HOWARD CONNECT ACADEMY
 100 E. 25TH STREET
 CHATTANOOGA, TN 37408



FILE: 9517-231
DATE: 02/01/23
DRAWN: jdb
CKD: DLF
SHEET: A1.0

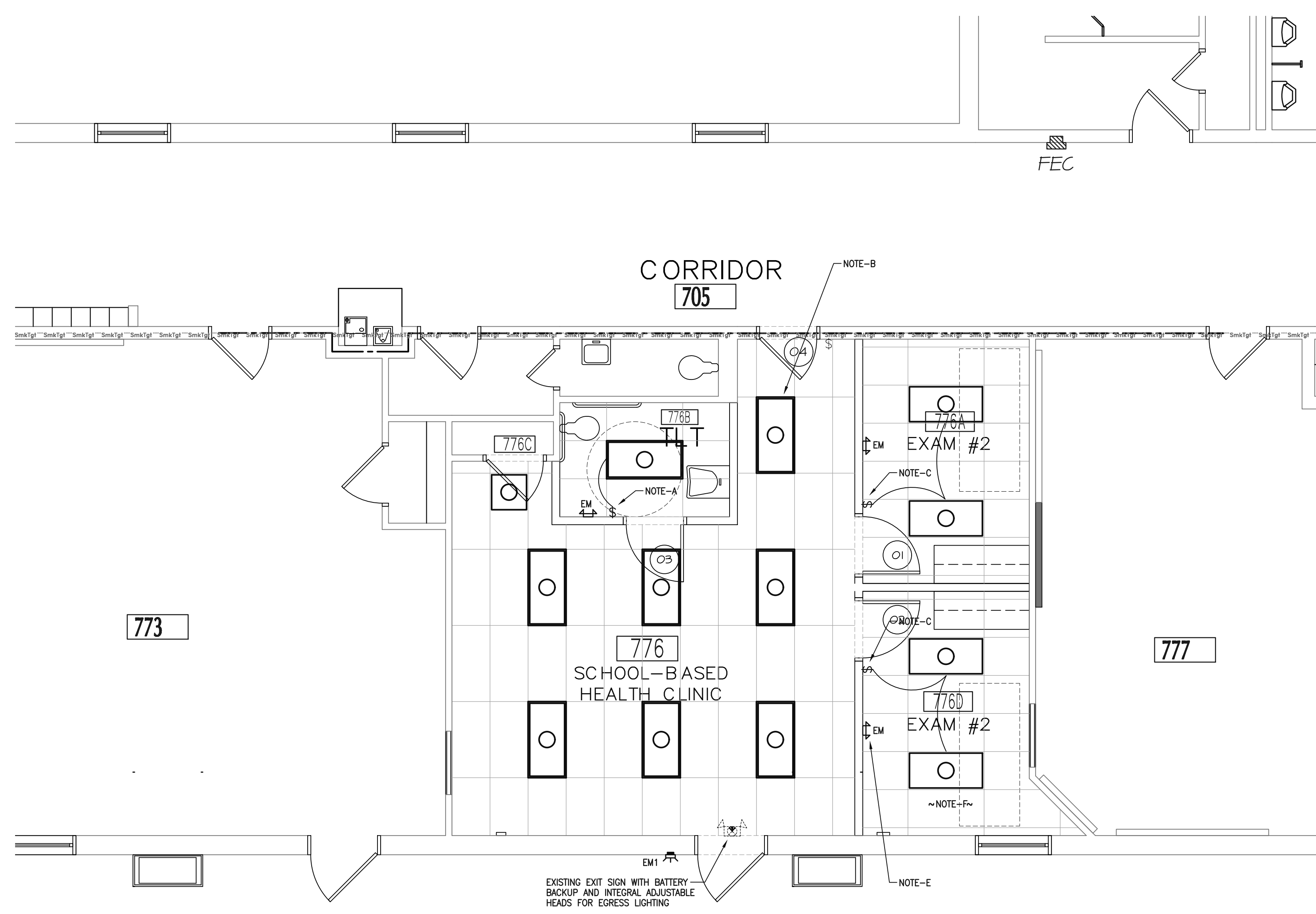
FLOOR PLAN & ELEVATIONS

ELECTRICAL SPECIFICATIONS

- ALL WORK SHALL CONFORM TO THE LATEST APPROVED VERSION OF THE N.E.C., I.E.C. NATIONAL, STATE AND LOCAL CODES WHICH APPLY.
- ALL MATERIAL AND EQUIPMENT SHALL CONFORM TO U.L. AND NEMA STANDARDS WHICH APPLY.
- THIS CONTRACTOR SHALL PAY ALL FEES AND OBTAIN ALL PERMITS REQUIRED FOR THE EXECUTION OF HIS WORK. HE SHALL ALSO PROVIDE PROOF OF FINAL APPROVAL BY THE AUTHORITY HAVING JURISDICTION BEFORE FINAL PAYMENT IS MADE.
- THIS CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE OF HIS ENTIRE ELECTRICAL INSTALLATION AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
- CONDUCTORS:
MINIMUM WIRE SIZE SHALL BE #12 UNLESS NOTED OTHERWISE.
CONDUCTORS SMALLER THAN #2 AWG SHALL BE "THHN/THWN".
CONDUCTORS #2 AWG AND LARGER SHALL BE "XHHW".
ALL CONDUCTORS SHALL BE COPPER.
CONDUCTORS SHALL BE AS MANUFACTURED BY AETNA, AMERICAN INSULATED, ENCORE, ESSEX, PARANITE, PIRELLI OR SOUTHWIRE.
- CONDUITS:
INTERIOR CONDUIT SHALL BE ELECTRICAL METALLIC TUBING (EMT) UNLESS NOTED OTHERWISE.
FLEXIBLE METAL CONDUIT SHALL BE USED FOR "MAKE UP" CONNECTIONS TO ROTATING MACHINERY (72" MAXIMUM LENGTH), EQUIPMENT OR FLUSH LIGHT FIXTURES.
CONDUIT CONNECTORS SHALL BE STEEL SETSCREW OR COMPRESSION. FLEXIBLE METALLIC COUPLINGS AND CONNECTORS SHALL BE MALLEABLE IRON OR STAMPED STEEL FITTINGS.
MINIMUM CONDUIT SIZE IS 3/4" UNLESS NOTED OTHERWISE. MINIMUM CONDUIT SIZE SHALL BE 1" FOR CONDUITS CONCEALED UNDER FLOOR SLABS OR EXTERIOR BELOW GRADE.
- DISCONNECT SWITCHES SHALL BE SQUARE D "HD" OR EQUAL BY GENERAL ELECTRIC, SIEMENS OR CUTLER-HAMMER.
- FUSES SHALL BE CLASS "R" MANUFACTURED BY BUSSMANN AS FOLLOWS:
0-99A FUSETRON, 100-600A LOW PEAK, ABOVE 600A HI-CAP, OR EQUAL BY FERRAZ-SHAWMUT OR LITTELFUSE.
- WIRING DEVICES:
SWITCHES SHALL BE HEAVY DUTY INDUSTRIAL SPECIFICATION GRADE WITH SOLID BRASS CONSTRUCTION, 120/240-20A RATING; HUBBELL HBL1221GRY, COOPER 2221GY, LEVITON 1221-2GY OR PASS & SEYMOUR PS20AC1-GRY (SINGLE POLE DEVICES INDICATED).
RECEPTACLES SHALL BE HEAVY DUTY INDUSTRIAL SPECIFICATION GRADE WITH SOLID BRASS CONSTRUCTION, 120V-20A RATING; HUBBELL HBL5362GY, COOPER 5362GY, LEVITON 5362GY OR PASS & SEYMOUR 5362-AGY.
GFI DUPLEX RECEPTACLES SHALL BE HEAVY DUTY INDUSTRIAL GRADE, 20A; HUBBELL GF5362GYA OR APPROVED EQUAL BY COOPER, LEVITON OR PASS & SEYMOUR.
PLATES SHALL BE SATIN STAINLESS STEEL; HUBBELL S1 SERIES OR APPROVED EQUAL BY LISTED MANUFACTURERS.
WEATHERPROOF COVER PLATES SHALL BE CLEAR THERMOPLASTIC, IN-USUE RATED; RED DOT CKNM OR APPROVED EQUAL BY HUBBELL OR TAYMAC.
DEVICE COLOR AND PLATE COLOR SHALL BE SELECTED BY THE ARCHITECT/OWNER.
- MOTOR STARTERS FOR MOTORS SMALLER THAN 1/2 HORSEPOWER SHALL BE MANUAL STARTERS WITH OVERLOAD AND PILOT LIGHT; SQUARE D CLASS 2510 OR EQUAL BY GENERAL ELECTRIC, SIEMENS, OR CUTLER-HAMMER. MANUAL ON-OFF SWITCHES SHALL BE SQUARE D 2510-KG-1 OR KG-2 OR EQUAL BY GENERAL ELECTRIC, SIEMENS OR CUTLER-HAMMER.
- PANELBOARDS:
NAMEPLATES SHALL BE INSTALLED ON ALL OF THE FOLLOWING EQUIPMENT TYPES: PANELBOARDS, MOTOR STARTERS, CONTROL PANELS, CONTROL DEVICES, TELEPHONE CABINETS, EMERGENCY SYSTEM EQUIPMENT, TRANSFORMERS, ETC. NAMEPLATES SHALL BE LAMINATED PHENOLIC, WHITE WITH BLACK CORE.
PROVIDE TYPED PANEL SCHEDULES FOR ALL PANELBOARDS DESCRIBING LOCATION OF DEVICE SERVED. PROVIDE PHENOLIC NAMEPLATES FOR EACH SWITCHBOARD DISCONNECT SWITCH OR CIRCUIT BREAKER.
- SWITCHES SHALL BE MOUNTED 48" A.F.F. TO CENTER LINE UNLESS NOTED OTHERWISE. RECEPTACLES SHALL BE MOUNTED 18" A.F.F. TO BOTTOM OF DEVICE UNLESS NOTED OTHERWISE. PANELS SHALL BE MOUNTED 48" A.F.F. TO CENTER LINE OR LOWER, WITH TOP OF CABINET A MAXIMUM OF 6'-0" A.F.F.

ELECTRICAL GENERAL NOTES:

- VERIFY CEILING TYPE FOR GRID OR FLANGE-TYPE HOUSING CONSTRUCTION OF LIGHTING FIXTURES.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING FOR INSTALLATION OF ALL ELECTRICAL WORK. ALL CONDUIT SHALL BE RUN CONCEALED IN WALLS AND CEILINGS, WIREMOLD OR EXPOSED CONDUITS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY NOTED ON THE DRAWINGS. ELECTRICAL CONTRACTOR TO PROVIDE ACCESS PANELS IN WALLS AND CEILINGS AS REQUIRED. MATCH ALL EXISTING CONDITIONS.
- OPENINGS AROUND CONDUITS OR IN SLEEVES FOR CONDUITS PENETRATING FIRE-RATED FLOOR SLABS, WALLS, PARTITIONS, CEILINGS OR SMOKE PARTITIONS, SHALL BE SEALED AT BOTH SIDES OF THE PENETRATION. INSULATION SHALL NOT EXTEND THROUGH SLEEVES. PACK OPENINGS WITH CALCIUM SILICATE BLOCK, DOW CORNING 3-6548 RTY SILICON FOAM, 3M CP25 CAULK, OR 303 PURTY FIRE BARRIER SYSTEM, OR MATERIAL HAVING THE SAME FIRE-RATING AS THE FLOOR OR WALL PENETRATED. FIBERGLASS IS NOT ACCEPTABLE.
- ALL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES TO AVOID INTERFERENCES AND CONFLICTS. REFER TO THE DRAWINGS OF THE RESPECTIVE SYSTEMS PRIOR TO SUBMISSION OF BIDS FOR ADDITIONAL WORK WHICH MAY BE REQUIRED AS PART OF THIS WORK. NO ALLOWANCES WILL BE MADE FOR THE LACK OF COORDINATION BETWEEN DISCIPLINES OR SYSTEMS AND EQUIPMENT.
- THE WORK SHALL BE COORDINATED WITH THE ENGINEERING DOCUMENTS FOR THE EXACT LOCATION OF LIGHT FIXTURES, EQUIPMENT, DEVICES, ETC. TO ASSURE PROPER PLACEMENT OF SAID DEVICES AND EQUIPMENT. WHERE A CONFLICT EXISTS BETWEEN ANY TWO DOCUMENTS, NOTIFY THE ENGINEER FOR RESOLUTION PRIOR TO ANY ROUGH-IN OR INSTALLATION.
- THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT BEING INSTALLED PRIOR TO INSTALLATION TO ASSURE THAT THE FEEDER, DISCONNECT, STARTER, OVERCURRENT PROTECTION, ETC. MATCHES THE ACTUAL NAMEPLATE DATA AS SUPPLIED BY THE MANUFACTURER.
- SPECIFIC REQUIREMENTS REGARDING MATERIALS, WORKMANSHIP AND THE WORK TO BE DONE ARE COVERED BY THE SPECIFICATIONS WHICH COMPLEMENT THE PLANS. WORK CALLED FOR BY THE SPECIFICATIONS OR THE PLANS IS REQUIRED THE SAME AS IF REQUIRED BY BOTH. WHERE A CONFLICT EXISTS BETWEEN THE PLANS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS OF THE TWO SHALL APPLY UNLESS SPECIFICALLY APPROVED IN WRITING BY THE ENGINEER.
- REFER TO EQUIPMENT CUT SHEETS AND MANUFACTURER'S DATA FOR ROUGH IN LOCATIONS OF ELECTRICAL CONNECTIONS AND INTERCONNECTIONS OF ALL EQUIPMENT.
- INSTALL OVER CURRENT PROTECTION AND BRANCH CIRCUIT WIRING PER U.L. LISTING REQUIREMENTS FOR EQUIPMENT SERVED - REFER TO NAMEPLATE DATA.
- PROVIDE START-UP ASSISTANCE TO OWNER PERSONNEL AND EQUIPMENT TECHNICIANS TO CONFIRM CORRECT PHASE ROTATION, PROPER OPERATION AND SEQUENCE, AND CONTROLS.
- CONTRACTOR SHALL COORDINATE ELEVATIONS AND PIPING SYSTEM SLOPES SUCH THAT DUCTWORK, PIPING, RACEWAY, CABLE TRAY, AND ASSOCIATED EQUIPMENT IS INSTALLED AT UNIFORM ELEVATIONS WITH MINIMAL OFFSET. PROVIDE COORDINATION DRAWING TO ENGINEER FOR REVIEW PRIOR TO EQUIPMENT ORDERS AND ROUGH-IN.
- ALL POWER, TELECOM, DATA, SWITCH, & OTHER ELECTRICAL BOXES ARE TO BE STRAIGHT & LEVEL. NOTE ESPECIALLY THAT IN MULTI-GANG BOXES THE DEVICES CANNOT BE STRAIGHTENED BY ADJUSTING THE DEVICES. BOXES WHICH ARE NOTICEABLY NOT STRAIGHT WILL BE REJECTED, TO BE CHISELED OUT & RESET STRAIGHT.
- RUN SEPARATE GREEN GROUND WIRE IN ALL CONDUIT SYSTEMS TO ALL DEVICES.
- THIS CONTRACTOR SHALL ROUGH-IN AND COMPLETELY CONNECT UP AFTER EQUIPMENT INSTALLATION BY OTHERS. ALL EQUIPMENT AS DETAILED ON THE DRAWINGS AND SPECIFIED HEREIN. ELECTRICAL OUTLETS AND APPROXIMATE LOADS FOR THE VARIOUS ITEMS OF EQUIPMENT ARE NOTED ON THE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EXACT LOCATIONS OF SUCH OUTLETS SERVING VARIOUS EQUIPMENT UNITS, AS WELL AS TO VERIFY THE EQUIPMENT MANUFACTURER'S REQUIRED CIRCUIT TERMINATION METHODS TO BEST SUIT REQUIREMENTS FOR EACH EQUIPMENT ITEM (E.G., BLANKED BOX, PLUG-IN, RECEPTACLES, ETC.). COMPLIANCE WITH SUCH REQUIREMENTS OF THE EQUIPMENT MANUFACTURER SHALL BE A PART OF THE CONTRACT AND SHALL BE MET WITHOUT ADDITIONAL EXPENSE TO THE OWNER.



PARTIAL FLOOR PLAN - LIGHTING
SCALE: 1/4" = 1'-0"

LUMINAIRE SCHEDULE					
Symbol	Type Mark	Description	Wattage	Lamp	Fixture ID
⊗	X	Compac LED Multi-Purpose Exit Sign	3.3W	LED	Chloride #VERW / Or Engineer Approved Equal
■	A	2'x4' Standard Recessed Lighting Fixture, 80CRI, 4300 lumens	38W	LED	Signify: 2FPZ-42B-840-4-DS-UNV-DIM / Or Engineer Approved Equal
⊖	EM	Compac LED Emergency Unit, Verify Voltage	2.2W	LED	Chloride: CLUNW / Or Engineer Approved Equal
⊖	EM1	Die-Cast Aluminum Wall Exterior Emergency Egress Fixture, AC only, 6V, 700 Lumen Output	8.3W	LED	Chloride #PLACTT-BAC / Or Engineer Approved Equal

- LIGHTING PLAN NOTES:**
- EXISTING TOILET ROOM LIGHT SWITCH SHALL BE REMOVED FROM WALL THAT IS TO BE DEMOLISHED; PROVIDE NEW SWITCH INSTALLED AT LOCATION AS INDICATED ON PLAN. EXTEND/REWORK EXISTING WIRING TO ACCOMMODATE NEW ROOM SWITCH LOCATION. LUMINAIRE IN TOILET ROOM SHALL BE REPLACED WITH EXISTING 2'x4' TYPE, AND EXISTING 2'x2' FROM TOILET ROOM SHALL BE USED IN THE OPEN RM 776 SPACE.
 - ALL LUMINAIRES INDICATED ON PLAN ARE EXISTING DEVICES. EXISTING LUMINAIRES SHALL BE CAREFULLY REMOVED AND STORED AWAY SAFELY AND SECURELY AS NECESSARY (ONLY THOSE THAT NEED BE REMOVED SHALL BE REQUIRED TO BE). CLEAN ALL LUMINAIRES WITHIN THE PROJECT SPACE. FOR THOSE BEING RELOCATED, CLEAN PRIOR TO INSTALLATION, RE-INSTALL AT LOCATION(S) AS INDICATED ON PLAN.
 - LUMINAIRES IN EXAM ROOMS 1 & 2 SHALL BE REWIRED SO AS TO HAVE LOCAL ROOM CONTROL, AS INDICATED ON THE PLAN; THOSE IN THE OPEN SPACE OF ROOM 776 SHALL REMAIN CONTROLLED FROM EXISTING SWITCH.
 - ALL LUMINAIRES WITHIN THIS SPACE SHALL UTILIZE EXISTING CIRCUITING. EXTEND/REWORK ANY BRANCH CONDUCTORS, FIXTURE WHIPS, ETC. AS REQUIRED TO ACCOMMODATE THE RENOVATION.
 - EMERGENCY EGRESS DEVICES SHALL BE WIRED HOT TO LOCAL LIGHTING CIRCUIT, AHEAD OF ANY SWITCHING OR CONTROLS.
 - IN ALL CASES, BUT ESPECIALLY IN EXAM ROOM 2, COORDINATE WITH OTHER TRADES AS THERE MAY BE SOME CONFLICT, OR ITEMS IN CLOSE PROXIMITY TO ONE OTHER. IN EXAM 2, THERE IS TO BE EXPOSED DUCTWORK, ROUTED BELOW THE ACT CEILING, AND ALTHOUGH IT IS NOT EXPECTED TO CONFLICT WITH LIGHTING, THE INTENT IS TO ENSURE THAT IT DOES NOT. COORDINATE WITH ARCHITECT AS NECESSARY AND IF ANY POTENTIAL CONFLICT DOES ARISE, DEFER TO ARCHITECT FOR RESOLUTION.

MARK:	DATE:	DESCRIPTION:

HAMILTON COUNTY DEPARTMENT OF EDUCATION
Division of Auxiliary Services
2501 Dodds Avenue
Chattanooga, Tennessee 37407
Telephone: 423/498-7255

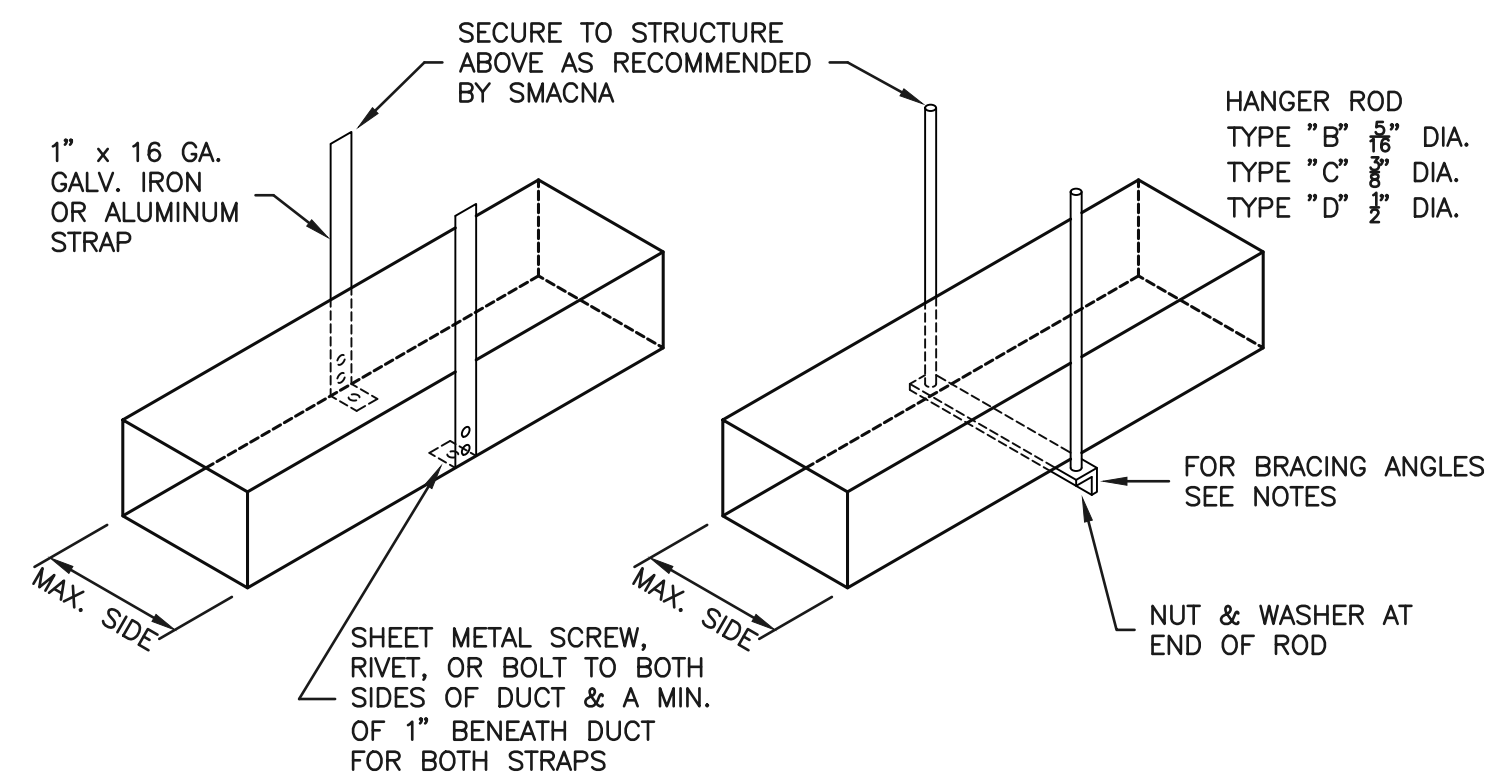
HOWARD CONNECT SCHOOL-BASED HEALTH CLINIC
HOWARD CONNECT ACADEMY
100 E. 25TH STREET
CHATTANOOGA, TN 37408



C&A No. **CAMPBELL & ASSOCIATES, INC.**
CONSULTING ENGINEERS
1401 Carter St. Suite 101 Chattanooga, TN 37402
(423) 267-9718 Fax: (423) 265-7879
E-mail: caengrs@caengrs.com
www.caengrs.com

FILE:	9517-231
DATE:	
DRAWN:	
CKD:	
SHEET:	E1.1

FLOOR PLAN - POWER & LIGHTING



TYPE "A"
(8 FT. MAX. HANGER SPACING. ALSO PROVIDE 3 HANGERS AT EACH TAKE-OFF OR BRANCH.)

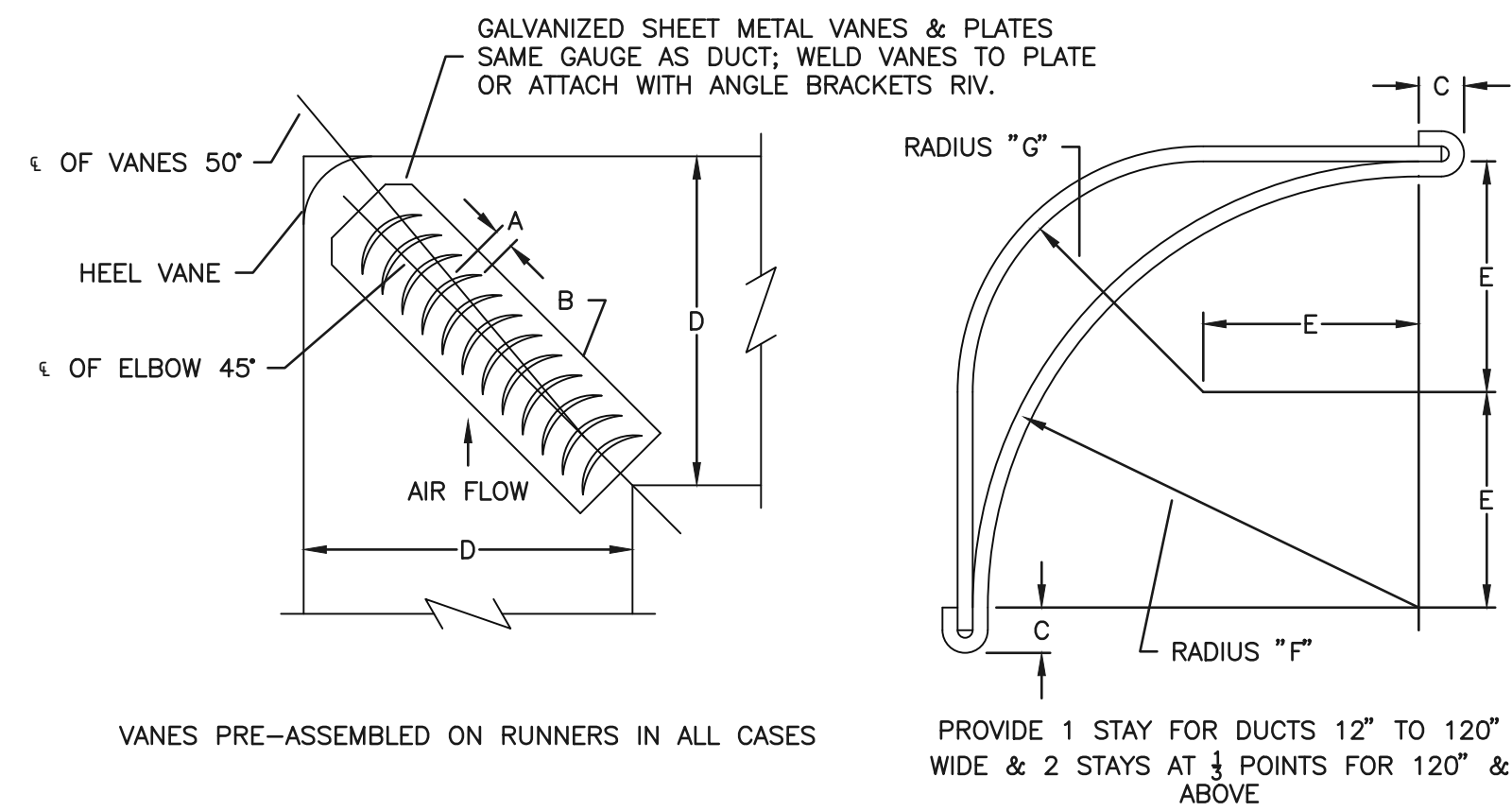
TYPE "B", "C", & "D"
(8 FT. MAX. HANGER SPACING)

DUCT HANGER SCHEDULE	
DUCT DIMENSIONS (INCHES)	TYPE HANGER
UP THRU 12	A
13 THRU 18	A
19 THRU 30	A/B
31 THRU 42	B
43 THRU 54	B
55 THRU 60	B
61 THRU 84	C
85 THRU 96	C
OVER 96	D

NOTES:

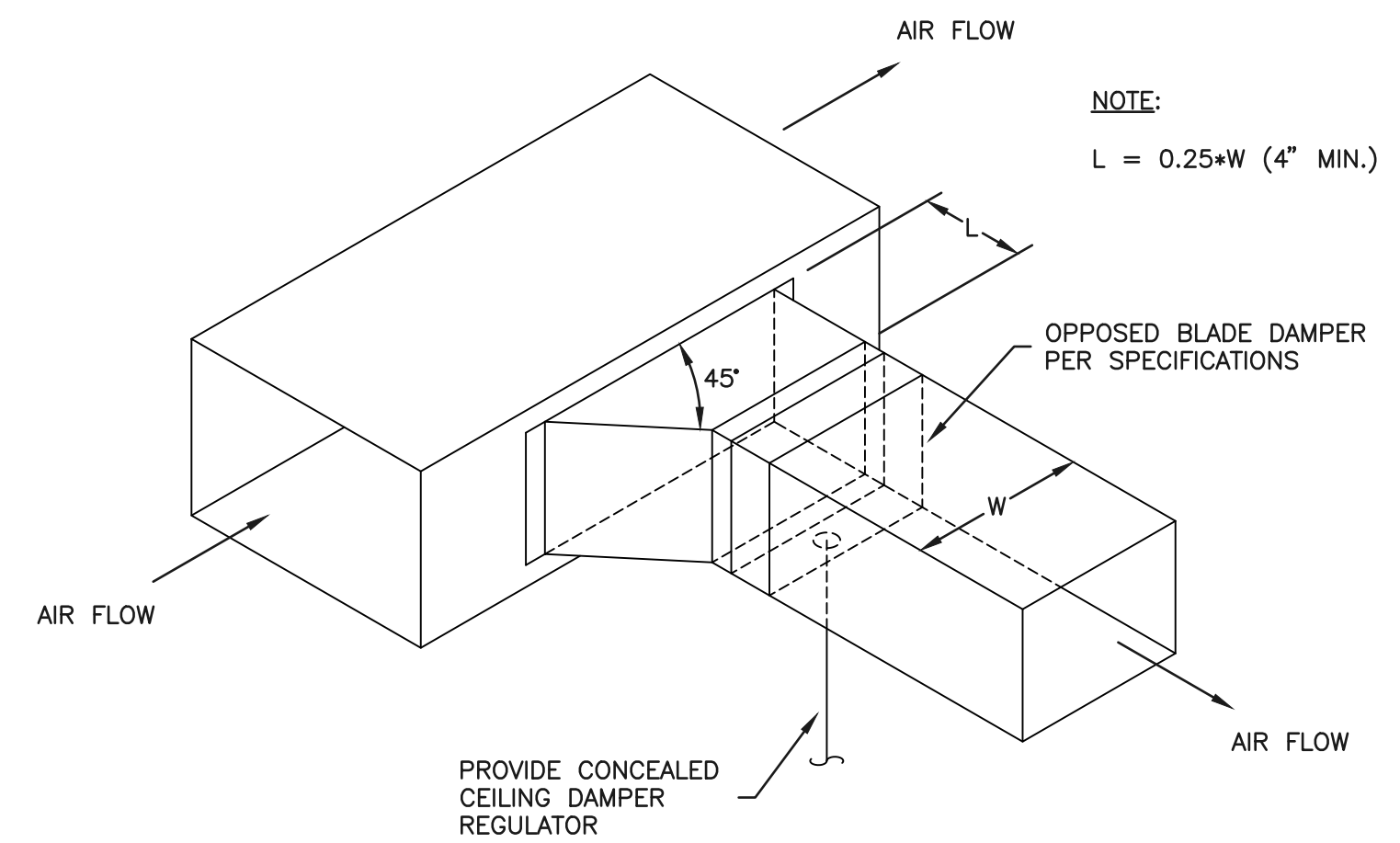
- FOR SEVERAL DUCTS ON ONE HANGER, TYPE "B", "C", OR "D" MAY BE USED. SIZE OF HANGER WILL BE SELECTED ON SUM OF DUCT WIDTHS EQUAL TO MAXIMUM WIDTH OF DUCT HANGER SCHEDULE.
- SCHEDULES FOR ANGLES FOR BRACING: TYPE "B" - 1 1/2" x 1 1/2" x 1/4" ANGLE, MAX. SPACING 8'-0" CENTERS; TYPE "C" - 1 1/2" x 1 1/2" x 1/8" ANGLE, MAX. SPACING 8'-0" CENTERS; TYPE "D" - 2" x 2" x 1/4" ANGLE, MAX. SPACING 4'-0" CENTERS.

DUCT HANGERS
NO SCALE



D & D UP TO 24"	A=1 1/2"	B=5"	TYPE "B" VANES
D & D OVER 24"	A=3 1/4"	B=9"	TYPE "A" VANES
TYPE "A"	C=2"	E=2 1/2"	RADIUS "F"=4 1/2", RADIUS "G"=2 1/4"
TYPE "B"	C=1"	E=1"	RADIUS "F"=2", RADIUS "G"=1"

SQUARE ELBOW DETAIL
NO SCALE



BRANCH DUCT TAKE-OFF @ SUPPLY MAIN
RECTANGULAR BRANCH DUCT
NO SCALE

REGISTERS, GRILLES, & DIFFUSERS

MARK	MANUF.	DESCRIPTION	MODEL/CAT#	AIR CONTROL	MATERIAL	FINISH	COMMENTS
A	TITUS	SUPPLY SIDE WALL GRILLE	272RS	NONE	STEEL	#26 WHITE	SEE NOTES
B	TITUS	EGGCRATE RETURN GRILLE	50F	OBD	ALUMINUM	#26 WHITE	SEE NOTES

NOTES:

- SIZE SHOWN ON THE DRAWINGS ARE NECK SIZES. MOUNTING TO BE SURFACE OR LAY IN AS REQUIRED.
- INSULATE TOP OF ALL SUPPLY REGISTERS AND DIFFUSERS WITH 2" THICK FIBERGLASS INSULATION.
- EGGCRATES TO BE PROVIDED WITH 1/2"x1/2"x1/2" ALUMINUM CORES. EGGCRATE DAMPERS TO BE TITUS MODEL AG-15 OR EQUIVALENT.
- PROVIDE SIDEWALL SUPPLY GRILLES WITH TITUS MODEL AG-35 DAMPERS. PROVIDE SIDEWALL RETURN/EXHAUST WITH TITUS MODEL AG-15 DAMPERS.
- SIDEWALL SUPPLY GRILLES TO HAVE 3/8" BLADE SPACING AND BE SINGLE DEFLECTION.

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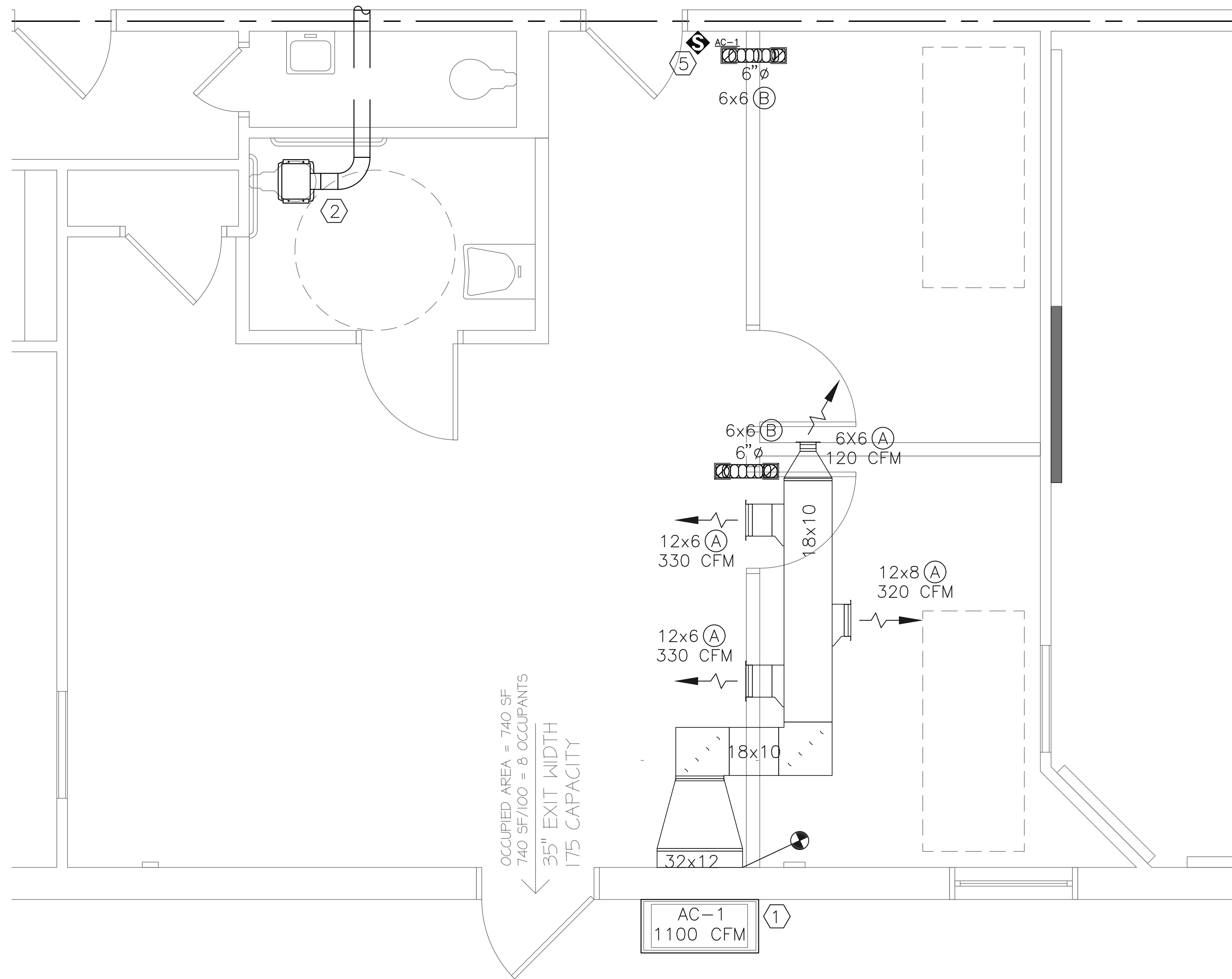
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FILE:	9517-231
DATE:	01/27/23
DRAWN:	JYM
CKD:	MJW
SHEET:	MI.2

DETAILS AND SCHEDULE



- MECHANICAL NOTES:**
- ① EXISTING UNIT TO REMAIN.
 - ② EXISTING EXHAUST FAN AND DUCT TO REMAIN. SET EXISTING FAN IN NEW CEILING IN THIS AREA AS REQUIRED.
 - ③ EXPOSED DUCTWORK. IT IS TO BE WRAPPED BY 2" INSULATION. THE EXTERIOR TO BE WRAPPED WITH PVC JACKET VENTURECLAD.
 - ④ REMOVE EXISTING SIDEWALL SUPPLY GRILL AT THIS LOCATION AND CONNECT NEW SUPPLY DUCTWORK HERE.
 - ⑤ EXISTING TEMPERATURE SENSOR TO REMAIN AS LOCATED.

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HVAC PLAN