



# A B B R E V I A T I O N S

# L E G E N D

<p>A AMPERE, AIR COMPRESSED AIR AB ANCHOR BOLT ABT ABOUT ABVT ABOVE AC ALTERNATING CURRENT, AIR CONDITIONING UNIT, ACRE ACI AMERICAN CONCRETE INSTITUTE ACMS ASBESTOS CONTAINING MATERIAL ACMU ACOUSTICAL CONCRETE MASONRY UNITS ACS ACQUISITION, ACOUSTICAL ACST ACOUSTIC CEILING TILE ACV ALARM CHECK VALVE ADD ADDITIONAL ADH ADHESIVE ADJ ADJACENT ADMIN ADMINISTRATIVE AFF ABOVE FINISH FLOOR AFFE AQUEOUS FILM FORMING FOAM AFMS AIRFLOW MEASURING STATION AGGR AGGREGATE AH AIR HANDLING, AIR-HANDLING UNIT AHR ANCHOR AIC AMPERE INTERRUPTING CAPACITY AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION AL ALUMINUM ALT ALTERNATE AM AMPERE AMP AMPERE ANSI AMERICAN NATIONAL STANDARDS INSTITUTE AP ACCESS PANEL APPR APPROVED APPROX APPROXIMATE APS ALARM PRESSURE SWITCH ARCH ARCHITECTURAL ASB ASBESTOS ASH ASPHALT ASSY ASSEMBLY ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS ASYM ASYMMETRIC ATS AUTOMATIC TRANSFER SWITCH AUTO AUTOMATIC AUX AUXILIARY AV AIR VENT, AUDIOVISUAL AVG AVERAGE AWG AMERICAN WIRE GAUGE AWS AMERICAN WELDING SOCIETY AWWA AMERICAN WATER WORKS ASSOCIATION BAL BALANCE B&amp;B BALL AND BURLAP B TO B BACK TO BACK BOL BOLT BOB BOTTOM OF CURB BOB BOTTOM OF CURB BOARD BOARD BDL BUNDLE BEJ BRICK EXPANSION JOINT BEI BETWEEN BF BLIND FLANGE BG BOTTOM GRILLE BITUM BITUMINOUS BL # BUILDING LINE, BASE LINE BLDG BUILDING BLK BLOCK, BLOCKING BLW BEAM, BENCH MARK, SOIL STABILIZATION/BLANKETS &amp; MATTING BM BEGINNING OF LINE BOT BOTTOM B.O.W. BOTTOM OF WALL BP BASE PLATE, BACKFLOW PREVENTER, BEARING PLATE BR BARE ROOT, BOTTOM REGISTER BRK BRICK BRKT BRACKET BSMT BASEMENT BTU BRITISH THERMAL UNIT BTUH BTU PER HOUR BU BUILT-UP BUR BURIED BWC BURIED WATER COOLER E.W.T. ENTERING WATER TEMPERATURE C COURSE, CONVECTOR, CONDUIT C DEGREES CELSIUS CAR CABINET CAB CANTILEVER CAP CAPACITY CATV CABLE TELEVISION CB CATCH BASIN, CIRCUIT BREAKER CC CLOSED CIRCUIT TELEVISION CD CEILING DIFFUSER, ROCK CHECK DAM CE CONSTRUCTION ENTRANCE, CONCRETE ENCASED CEM CEMENT CENT. CENTRIFUGAL CF CELLULAR FLOOR CFM CUBIC FEET PER MINUTE CFS CUBIC FEET PER SECOND CG CORNER GUARD, CHANGE OF GRADE, CEILING GRILLE CHAM CHAMFER CHBD CHALKBOARD CHEM CHEMICAL CHIS CHECKED CHKR CHECKER, CHECKERED CI CAST IRON CIP CAST IN PLACE, CULVERT INLET PROTECTION CIRC CIRCULAR, CIRCUMFERENCE CJ CONSTRUCTION JOINT CKT CIRCUIT CLF CHAIN LINK FENCE CLG CEILING CLJ CONTROL JOINT CLOS CLOSET CLOS CLOSURE CLPR CALIPER CLR CLEAR CLSR CEILING LINEAR SLOT DIFFUSER CLSR CEILING LINEAR SLOT RETURN CM CENTIMETER CMP CORRUGATED METAL PIPE CMPSN COMPOSITION CMU CONCRETE MASONRY UNITS CND CONDUIT CNDCT CONDUCTIVE CNSD CONDENSATE, CONDUITS CO CLEANOUT, COUNTY, CONTRACTING OFFICER C.O.G. CHANGE OF GRADE COLU COLU COMB COMBINATION COMP COMPRESSION, COMPRESSED CONC CONCRETE COND CONDUCTOR, CONDUCTIVE, CONDENSER CONN CONNECT, CONNECTION CONST CONSTRUCTION CONT CONTINUOUS, CONTINUATION CONTR CONTRACT, CONTRACTOR COORD COORDINATE COPR CORNER CORR CORRIDOR, CORRUGATED COVER COVER CPT CEMENT PLASTER, CONDENSATE PUMP DISCHARGE CR CARET CD CEILING REGISTER, HOT CONDENSER WATER CSD CELLULAR STEEL DECK CT CERAMIC TILE, CURRENT TRANSFORMER CTR CENTER CTRL CONTROL CTS COUNTERSUNK</p>	<p>CTWT COUNTERWEIGHT CU CUBIC, COPPER CULV CULVERT CV CONVERTER CW DOMESTIC COLD WATER CWB CAPILLARY WATER BARRIER D DEPTH, DEGREE OF CURVE, DIMMER DB AMERICAN CONCRETE INSTITUTE DBL DOUBLE DC DIRECT CURRENT DEFL DEFLECT, DEFLECTION DEG DEGREE DEM DEMOUNTABLE DEPR DEPRESSED DEPT DEPARTMENT DET DETAIL DFF DRINKING FOUNTAIN DHF DUCT HEATER, DOOR HOLDER DI DROP INLET, DUCTILE IRON DIA DIAMETER DIAG DIAGRAM, DIAGONAL DIFF DIFFUSER DIM DIMENSION DIP DUCTILE IRON PIPE DIR DIRECTION, DIRECT DISC DISCONNECT DISCH DISCHARGE DISP DISPENSER DIV DIVISION DK DECK DL DEAD LOAD DLM DRAIN MANHOLE DML DEMOLITION, DEMOLISH DMPR DAMPER DN DOWN DND DOWN DRIVE DOWNSPOUT, DRIP STATION, DIGESTED SLUDGE DSD DUCT SMOKE DETECTOR DTWH DUAL TEMP WALL HYDRANT DUP DUPLEX DVTL DOVETAIL DW DUMBWATER DWEL DWELLING DWG DRAWING DWL DOWEL DWV DRAIN, WASTE, AND VENT DX DUPLEX, DIRECT EXPANSION EA EAST, EMERGENCY (CIRCUIT) EACH EACH E.A.T. ENTERING AIR TEMPERATURE EC EMPTY CONDUIT ECC BOLT CIRCLE, BOTTOM OF CURB ECMT EACH FACE EF EXTERIOR FINISH INSULATION SYSTEM EFLS EFFLUENT EGR EXHAUST GRILLE EJ EXPANSION JOINT EL ELEVATION ELEC ELECTRIC, ELECTRICAL ELEV ELEVATOR EM EXPANDED METAL EMER EMERGENCY EMT ELECTRICAL METALLIC TUBING ENCL ENCLOSE, ENCLOSURE ENGR ENGINEER ENT ENTRANCE ENTR END OF LINE EOL END OF LINE EP EXPLOSION-PROOF, EDGE OF PAVEMENT EQ EQUIPMENT EQPT EQUIPMENT ER EXISTING TO REMAIN ESMT EASEMENT E TO E END TO END ETR EXISTING TO REMAIN EV EVERGREEN EW EACH WAY, END WALL EWC ENTERING WATER COOLER E.W.T. ENTERING WATER TEMPERATURE EXC EXCAVATE, EXCAVATION EXH EXHAUST EXP EXPLOSION EXPN EXPANSION EXIST EXISTING EXT EXTERIOR, EXTERNAL EXTN EXTENSION F FUSED, FAN F DEGREES FAHRENHEIT F&amp;T FLOAT AND THERMOSTATIC F TO F FACE TO FACE FA FIRE ALARM FAB FABRICATE FABL FIRE ALARM BELL FACL FIRE ALARM CONTROL PANEL FC FOOTCANDLE, FAN COIL UNIT FD FLOOR DRAIN, FIRE DAMPER FDC FIRE DEPARTMENT CONNECTION FDN FOUNDATION FEEDER FEEDER FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER CABINET FES FLARED END SECTION FGL FIBERGLASS FH FIRE HOSE FHC FIRE HOSE CABINET FHYD FIRE HYDRANT FIG FIGURE FIN FINISH FL FLOOR, FLASHING FLX FLEXIBLE FLG FLANGE FLSH FLASHING FLUOR FLUORESCENT FOB FACE OF BRICK, FRONT OF BUILDING FOIDS FIBER OPTIC INTERUSION DETECTION SYSTEM FPM FEET PER MINUTE FR FRACTION FRIC FRICTION FRT FIRE RETARDANT TREATED FRZR FREEZER FRS RETURN GRILL, FULL SIZE, FLOW SWITCH FT FOOT FTG FOOTING FUR FURRED, FURRING FURN FURNISH FURSH FURNISH FUT FUTURE FWC FABRIC WALL COVERING FXTR FIXTURE G GAS MAIN OR SERVICE LINE, GROUND G GAGE, GAUGE GA GALLON GALV GALVANIZE, GALVANIZED GC GROUND COUNTERPOISE GCMU GLAZED CONCRETE MASONRY UNIT GDR GUARDRAIL GEN GENERATOR GEF GOVERNMENT FURNISHED EQUIPMENT GEFEC GOVERNMENT FURNISHED EQUIPMENT, CONTRACTOR INSTALLED GFI GROUND FAULT INTERRUPTER GFM GOVERNMENT FURNISHED MATERIAL GHZ GIGAHERTZ GL GALVANIZED IRON GND GROUND GOVT GOVERNMENT GPH GALLONS PER HOUR GPM GALLONS PER MINUTE GR GRADE GRAD GRADUATED</p>	<p>GRL GRILLE GRT GROUT GRS GALVANIZED RIGID STEEL GSA GOVERNMENT SERVICES AGENCY APPROVED GSU GLAZED STRUCTURAL UNITS GTV GATE VALVE GVL GRAVEL GYSA GYPSUM WALLBOARD GYP GYPSUM H HIGH HOSE HOSE BIBB HDB HANDBOARD HC HANDICAPPED HD HEAD, HEAT DETECTOR HDPE HIGH DENSITY POLYETHYLENE HDR HANDRAIL HWR HARDWARE HDWD HARDWOOD HDLW HEADLINE, DOOR HOLDER HDX HANGER HGT HEIGHT H.I.D. HIGH-INTENSITY DISCHARGE HM HOLLOW METAL HOA HAND-OFF-AUTOMATIC HORIZ HORIZONTAL HP HIGH PRESSURE, HEAT PUMP HPF HIGH POWER FACTOR HPS HIGH-PRESSURE SODIUM, HIGH PRESSURE STEAM HPT HIGH POINT HR HOUR HS HORIZONTAL SLOT HTG HEATING HTR HEATER HV HIGH VOLTAGE, HEATING-VENTILATING UNIT HW DOMESTIC HOT WATER HWC DOMESTIC HOT WATER CIRCULATING HWH HIGH-WATER LINE HYD HYDRANT HZ HERTZ I INTERRUPTING CAPACITY IC INSIDE DIAMETER ID ISOLATED GROUND IMC INTERMEDIATE METAL CONDUIT IN INCLUSIVE INCL INCLUSIVE INCR INCREMENT IND INDUCTION INFIL INFILTRATION INSL INSTALL, INSTALLATION INSUL INSULATION, INSULATED, INSULATOR, INTEGRATED INTERIOR INTERMEDIATE INTM INVERT, INVERSE INV INVERT, INVERSE IPF IRON PIN FOUND, IRON PIPE FOUND IPS INFORMATION PROCESSING SYSTEMS IRR IRRIGATION ISOL ISOLATOR J JOULE JB JUNCTION BOX JC JANITOR'S CLOSET JCT JUNCTION JT JOIST JOINT JOINT K KEY OPERATED, KIP K THOUSAND CIRCULAR MILS KCM KILOGRAM kg KILOGRAM PER SECOND KHZ KILOHERTZ km KILOMETER KN KILONEWTON KO KNOCKOUT KFG KILOPASCAL KSF KIPS PER SQUARE FOOT KSI KIPS PER SQUARE INCH KV KILOVOLT KVA KILOVOLT-AMPERE KVAR KILOVOLT-AMPERE REACTIVE KW KILOWATT KWH KILOWATT HOUR KFT LENGTH OF CURVE, LONG LAB LABORATORY LAN LOCAL AREA NETWORK LAM LAMINATE LAT LATERAL LAV LAVATORY LB POUND LOG LOGGING LDG LOADING LF QUARRY TILE L (DIAMETER), PHASE R RISER, RIGHT, RADIUS R/V RIGHT OF WAY RA RETURN AIR RAD RADIUS RAB RAISED ACCESS FLOOR RAC RETURN ACCESS SLUDGE RBR RUBBER RCP REINFORCED CONCRETE PIPE RCPT RECEPTACLE RCV RECEIVING RCVR RECEIVER RD ROOF DRAIN, ROAD RDRC REDUCER REG REGRESS RECIR RECIRCULATING RECT RECTANGLE, RECTANGULAR RED REDUCING REF REFERENCE REFL REFLECTED REFR REFRIGERATOR REINF REINFORCE, REINFORCEMENT, REINFORCED REIN REMAINDER REQD REQUIRED RESIL RESILIENT REV REVISION RFV ROOF, RADIO FREQUENCY RFG ROOFING RFH ROOF HATCH RFI RADIO FREQUENCY INTERFERENCE RGR RETURN GRILL RL ROOF LEADER, REFRIGERANT LIQUID RM ROOM RND ROUND RO ROUGH OPENING RPM REVOLUTIONS PER MINUTE RTE ROUTE, SANITARY SEWER, SPEAKER, SWITCH, SUPPLY S SUPPLY AIR SAN SANITARY MID STANDARD CUBIC FEET PER MINUTE SCHED SCHEDULE SD STORM DRAIN, SMOKE DETECTOR SEC SECONDARY SECT SECTION SF SILT FENCE SFP SPRAYED FIRE PROTECTION SH SHEET SHV SHELVING SIM SIMILAR SK SKETCH SLP SLOPE SLFO SINGLE MODE FIBER OPTICS SMR SURFACE METAL RACEWAY S/N SOLID NEUTRAL SNT SEALANT MSLN SLAB ON GRADE SP SPACE, SPACES, STATIC PRESSURE SPD STATIC PRESSURE DROP</p>	<p>SPEC SPECIFICATION SPKR SPEAKER SMPR SINGLE-PLY MEMBRANE ROOF SPR SPRINKLER SPTS SUPPORT SPS STATIC PRESSURE SENSOR SQ SQUARE SR SUPPLY REGISTER SS SANITARY SEWER SSD SUBSURFACE DRAIN SSMR STANDING SEAM METAL ROOF ST STAINLESS STEEL ST STREET, STORY, STEAM, SEDIMENT TRAP STA STATION STD STANDARD CUBIC FEET PER MINUTE STER STERILIZER STIF STIFFENER STIR STIRRUP STL STEEL STOR STORAGE STR STRAIGHT, STARTER STRUC STRUCTURE SUBSTA SUBSTATION SUP SUPPLY SURF SURFACE SUSP SUSPENDED SV SHEET VINYL, STEAM VENT SWCE SERVICE SW SHORT WAY, SWITCH, SIDEWALK SWBD SWITCHBOARD SWGR SWITCHGEAR SYMM SYMMETRICAL SYS SYSTEM T&amp;B TREAD, TOP, TANGENT, TELEPHONE, THICKNESS T&amp;G TOP AND GROOVE T&amp;P TEMPERATURE AND PRESSURE TAF TROWEL APPLIED FINISH TBB TELECOMMUNICATIONS GROUND BACKBONE TBM TEMPORARY BENCH MARK TCC TOP OF CURB, TIME CLOCK TDC TURNED DOWN CURB TEF TELEPHONE ENTRANCE FACILITY TEL TELEPHONE TEMP TEMPERATURE, TEMPERED, TEMPORARY TER TERRAZZO TERM TERMINAL TFE TETRAFLUOROETHYLENE TG TRANSFER FACTOR TGB TELECOMMUNICATIONS GROUND BAR TMGB TELECOMMUNICATIONS MAIN GROUND BAR THERM THERMOMETER THK THICKNESS THKNS THICKNESS THR THRESHOLD TKGB TACKBOARD TLSD TOP LINEAR SLOT DIFFUSER TMV THERMAL MIXING VALVE TOC TOP OF CONCRETE TOP TOP OF FOOTING TOS TOP OF STEEL TOT TOTAL TP TREE PROTECTION T.O.W. TOP REGISTER, TOP OF RAIL TR TRANSVERSE TRTD TREATED TS TEMPERATURE STEEL, TIME SWITCH, TAMPER SWITCH, TEMPERATURE SWITCH, THICKENED SLUDGE, TEMPORARY SEEDING, TRAVERSE STATION</p>
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## BUILDING MATERIALS

	EARTH
	CRUSHED STONE
	CONCRETE
	STEEL
	CONCRETE MASONRY UNITS
	BRICK
	ACOUSTICAL TILE
	ROUGH WOOD
	FINISH WOOD
	PLYWOOD
	PLASTER OR GWSB
	BATT INSULATION
	RIGID INSULATION
	COMPRESSIBLE FILLER

## DRAWING CONVENTIONS

### PLAN SHEET NUMBERING

**AD101A**

- DISCIPLINE DESIGNATION (1 OR 2 CHARACTERS)
- PLAN SHEET
- KEYPLAN AREA
- LEVEL OR FLOOR
- STATUS (E FOR EXISTING) (D FOR DEMOLITION)
- SHEET TYPE
- SEQUENCE
- DISCIPLINE DESIGNATION

### SHEET NUMBERING

**A401**

- GENERAL
- INTERIORS
- ASBESTOS ABATEMENT
- FOOD SERVICE
- SURVEY
- FIRE ALARM
- GEOTECHNICAL
- FIRE PROTECTION
- LANDSCAPE
- PLUMBING
- STRUCTURAL
- MATERIAL HANDLING
- LS LIFE SAFETY
- E ELECTRICAL
- A ARCHITECTURAL
- T TELECOMMUNICATIONS

### SPACE

COMMUNITY ROOM  
[213]  
FLOOR NUMBER — SPACE NUMBER

### ELEVATIONS

EXTERIOR NUMBER  
INTERIOR NUMBER

### DETAIL

NUMBER  
SHEET WHERE DRAWN  
SHEET(S) WHERE TAKEN

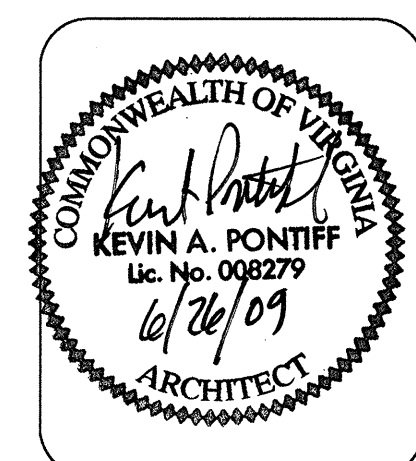
### SECTION

NUMBER

### DRAWING REVISION

REVISION NUMBER  
LIMIT OF REVISION

**G002**  
SHEET 2 OF 174

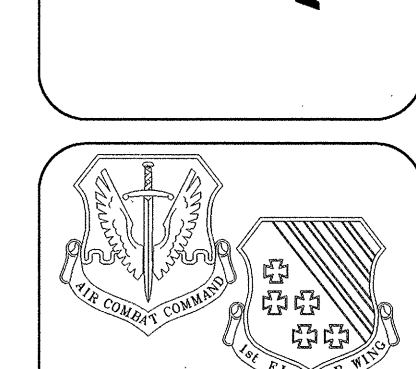


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DEPARTMENT OF THE AIR FORCE AIR COMBAT COMMAND		LANGLEY AFB VA CIVIL ENGINEERING OFFICE	
PROJECT NUMBER MUHJ08-4112			

HG ACC/DSF RENOVATION OF BUILDING 669

ABBREVIATIONS AND LEGEND



**G002**  
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