three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

GENERAL NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS IN THE LOCATION OF DUCTWORK, PIPING, ETC.
2. THE CONTRACTOR SHALL RELOCATE EXISTING SYSTEMS WHERE CONFLICTS WITH NEW WORK EXIST TO ACCOMMODATE NEW WORK.
3. ALL INTERRUPTIONS OF EXISTING SYSTEMS SHALL BE SCHEDULED IN ADVANCE WITH THE COR AND APPROVED BEFORE WORK COMMENCES.
4. ALL DUCTWORK AND PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE UNLESS NOTED OTHERWISE.
5. DO NOT SCALE DRAWINGS - ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE. NOTIFY ENGINEER OF ANY DEVIATIONS FROM THE DRAWINGS.
6. THE DRAWINGS ARE DIAGRAMMATIC AND SHOW ONLY THE GENERAL ARRANGEMENTS OF ALL PIPING AND EQUIPMENT. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO SHOW OR INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES WHICH MAY BE REQUIRED TO AVOID EXISTING PIPING OR STRUCTURAL FEATURES.
7. ALL PIPING, CONDUIT, DUCTWORK, ETC., SHALL BE INSTALLED IN A MANNER WHICH WILL NOT DEFACE OR ALTER ANY AREAS. ROUTING OF THE ABOVE EQUIPMENT SHALL BE APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
8. ALL WORK PERFORMED ON THIS BUILDING SHALL BE IN COMPLIANCE WITH ALL PERTINENT CODES, RULES, ORDINANCES, AND REGULATIONS OF THE LOCAL STATE AND NATIONAL GOVERNING AUTHORITIES.
9. ALL WORK PERFORMED UNDER AND IN CONNECTION WITH THESE DRAWINGS AND SPECIFICATIONS SHALL BE IN STRICT COMPLIANCE WITH THE LATEST SAFETY AND HEALTH STANDARDS.
10. REPORT ANY DISCREPANCIES FOUND IN THE DRAWINGS AND/OR IN THE SPECIFICATIONS DURING THE BIDDING PROCESS FOR CLARIFICATION BY THE ARCHITECT/ENGINEER.
11. PROVIDE ACCESS PANELS AS REQUIRED FOR ACCESS TO VALVES, TRAPS, CLEAN OUTS, CONTROLS, FIRE DAMPERS, ETC. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ACCESS PANELS WITH FINISH WORK AND ALL OTHER TRADES.
12. PROVIDE SHOP DRAWINGS OF ANY RELOCATED PIPING, DUCTWORK, EQUIPMENT, ETC., FOR APPROVAL PRIOR TO RELOCATION OF ITEM.
13. ALL PIPING AND DUCTWORK TO BE LOCATED AND COORDINATED WITH ARCHITECTURAL PLANS. ALL PIPING AND DUCTWORK SHALL BE CONCEALED IN FINISHED AREAS.
14. ALL PIPE PENETRATIONS THROUGH CHASES, WALLS, OR FLOORS WHICH ARE FIRE-RATED, SHALL BE PROPERLY SEALED TO MAINTAIN FIRE PROTECTION. CONTRACTOR SHALL SUBMIT SPECIFIED UL SYSTEM FOR REVIEW.
15. ALL DUCTS THAT PENETRATE CHASES, WALLS, OR FLOORS WHICH ARE FIRE-RATED, SHALL BE INSTALLED WITH FIRE DAMPERS IN ACCORDANCE WITH NFPA 90A. THIS APPLIES EVEN IF THEY ARE NOT SPECIFICALLY SHOWN ON THE DRAWING.
16. ANY PHYSICAL INSTALLATION MODIFICATIONS, DUE TO FIELD CONDITIONS, SHALL BE RESOLVED BY THE CONTRACTOR IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MECHANICAL ENGINEER.
17. THE CONTRACTOR SHALL PAY FOR ALL FEES, INSPECTIONS, AND PERMITS AS NECESSARY TO COMPLETE THE INSTALLATION.
18. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF DUCTWORK WITH ALL EXISTING PIPING AND NEW PIPING BEING INSTALLED, REFER TO SPRINKLER DRAWINGS.
19. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR ABOVE SUSPENDED CEILING.
20. ALL DASHED LIGHT LINES SHOWN ON DRAWINGS INDICATE EXISTING CONSTRUCTION OR EQUIPMENT TO REMAIN, ALL SOLID HEAVY LINES INDICATE NEW CONSTRUCTION OR EQUIPMENT, ALL CROSS-HATCHED LINES INDICATE REMOVAL OF EXISTING CONSTRUCTION OR EQUIPMENT.
21. CONTRACTOR SHALL REPAIR AND PATCH FIRE PROOFING WHICH THEY HAVE DISTURBED.
22. HANGERS, HANGER RODS AND ASSOCIATED HARDWARE IN CRAWL SPACES SHALL BE GALVANIZED - NO EXCEPTIONS.
23. FIRE STOPPING MATERIAL SHALL BE SILICON BASED (3M HILTI, OR NELSON).
24. SHOP DRAWINGS AND RECORD DRAWINGS ARE TO BE SUBMITTED AS HARD COPIES AS NOTED IN DIVISION 1 SPECIFICATIONS.
25. ALL TEMPERATURE AND HUMIDITY CONTROLLERS SHALL BE PROVIDED WITH OPERATORS TO PROVIDE PROPER OPERATION OF VALVES.
26. ALL EXISTING FLOOR AND WALL OPENINGS SHALL BE PATCHED AS DESCRIBED IN THE SPECIFICATION AND AS DETAILED ON THE DRAWINGS.
27. AT LOCATIONS INDICATED TO CONNECT NEW LINES, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION, SIZE, AND ELEVATION AT THE SITE BEFORE INSTALLATION OF NEW LINES.
28. REFER TO SPECIFICATIONS FOR PHASING OF CONSTRUCTION AND CONSTRUCTION AREA RESTRICTIONS/REQUIREMENTS.
29. DIFFUSER, REGISTER AND GRILLE SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES.
30. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR PHASING AND ICRA REQUIREMENTS.

DUCTWORK:

1. ALL DUCTWORK SIZES NOTED ARE FREE AREA SIZES.
2. RADIUS ELBOWS SHALL BE PROVIDED. TURNING VAINES SHALL NOT BE PROVIDED UNLESS APPROVED BY COR.
3. ALL DUCT JUNCTIONS SHALL BE CONSTRUCTED OF STANDARD 45 DEGREES. ENTRY BRANCHES WITH BALANCING DAMPERS DOWNSTREAM OF DUCT BRANCH ENTRY.
4. MAXIMUM LENGTH OF FLEXIBLE DUCTWORK IN ANY ONE SUPPLY BRANCH SHALL BE THREE (3) FEET.
5. NO RUN OF FLEXIBLE DUCTWORK SHALL CONTAIN MORE THAN A TOTAL OF 90 DEGREES OF TURN. INSULATED RIGID SHALL BE USED WHERE MORE THAN 90 DEGREES IS REQUIRED.
6. TOTAL STATIC PRESSURE NOTED IN SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC.
7. CEILING DIFFUSER SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES.
8. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES.
9. PROVIDE FLEXIBLE DUCT CONNECTION BETWEEN AHU/EXH FAN AND DUCTWORK.
10. FIRE DAMPERS SHALL BE TYPE 'C'.
11. DUE TO THE SMALL SCALE OF THE DRAWINGS, RISERS AND DROPS ARE NOT ALL SHOWN. PROVIDE RISERS AND DROPS FOR COORDINATION.
12. FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED.

DEMOLITION GENERAL NOTES:

1. DO NOT SCALE DRAWINGS.
2. ALL WORK PERFORMED ON THIS BUILDING SHALL BE IN COMPLIANCE WITH ALL PERTINENT CODES, RULES, ORDINANCES AND REGULATIONS OF THE LOCAL AND STATE GOVERNING AUTHORITIES, AND SEPARATE "SITE SAFETY MANUAL".
3. ALL WORK PERFORMED AND IN CONNECTION WITH THESE DRAWINGS AND SPECIFICATIONS SHALL BE IN STRICT COMPLIANCE WITH THE LATEST OSHA SAFETY AND HEALTH STANDARDS.
4. THESE DRAWINGS, BY THEIR NATURE, CANNOT REVEAL ALL CONDITIONS THAT EXIST ON THE SITE. SHOULD CONDITIONS BE FOUND TO VARY SUBSTANTIALLY FROM THIS REPORT, CHANGES IN THE WORK WILL BE MADE WITH RESULTING CREDITS OR EXPENDITURES TO THE CONTRACT SUM ACCRUING TO THE COTR.
5. ALL MECHANICAL AND ELECTRICAL EQUIPMENT, PIPING, DUCTWORK, CONDUIT, WIRING, ETC., INDICATED ON THE DRAWINGS DESCRIBED IN THE NOTES AND WHICH IS NOT REQUIRED TO FUNCTION AS PART OF THE FINAL SYSTEM, SHALL BE REMOVED IN ITS ENTIRETY. ALL REMOVED MATERIAL, UNLESS DESIGNATED FOR SALVAGE, SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS. SALVAGED ITEMS SHALL BE STORED ON SITE IN A LOCATION DESIGNATED BY THE JOB REPRESENTATIVE.
6. WHERE IT BECOMES NECESSARY TO TEMPORARILY DISTURB SYSTEMS TO PERMIT EXECUTION OF THE DEMOLITION PROCESS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE COR TO SCHEDULE A SHUTDOWN. THE DEMOLITION CONTRACTOR SHALL GIVE A MINIMUM OF 24-HOUR ADVANCE NOTICE FOR ANY SUCH GIVEN SHUTDOWN. IF THE SHUTDOWN INCLUDES MAJOR SYSTEMS, SUCH AS DOMESTIC FEED, STEAM, ELECTRICAL QMB PANELS, ETC., TWO-WEEK NOTICE SHALL BE REQUIRED.
7. THE COR WILL BE TAGGING SPECIFIC ITEMS FOR SELECTIVE REMOVAL FOR ITEMS WHICH SHALL REMAIN. THIS DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFE REMOVAL OF ANY SUCH TAGGED ITEMS. THIS CONTRACTOR SHALL PLACE IN STORAGE ON SITE ANY SUCH ITEMS AS DIRECTED BY THE JOB REPRESENTATIVE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL ITEMS TAGGED TO REMAIN.
8. ALL EXISTING EXTERIOR WALLS AND SURFACES (EXCLUSIVE OF FURRED AREAS), SHAFT WALLS, WALLS ADJACENT TO A DEMOLITION AREA TO REMAIN, SHALL BE PROTECTED FROM DAMAGE AND UNDISTURBED.
9. THE CONTRACTOR SHALL SCHEDULE HIS WORK WITH THE COR IN ORDER TO HAVE THE JOB REPRESENTATIVE DISCONNECT AND RECONNECT ALL CIRCUITS ASSOCIATED WITH THE FIRE ALARM SYSTEM. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS WITH A LIFE SAFETY SYSTEM ON ELEMENTS THAT ARE INDICATED TO BE REMOVED.
10. ALL RAIN WATER CONDUCTORS AND ASSOCIATED VENT STACKS SHALL REMAIN INTACT AND NOT BE DISTURBED THROUGHOUT THE DEMOLITION PROCESS. CONTRACTOR SHALL INSTALL BRACING AND BRACKETS AS NECESSARY FOR SUPPORT OF PIPING DUE TO IMPACT OF DEMOLITION OF WALL/CEILING SYSTEM.
11. ANY SALVAGE VALUE ASSOCIATED WITH DEMOLISHED ITEMS IS THE CONTRACTOR'S. THE CONTRACTOR SHOULD USE ANY SALVAGE VALUE AS A MEANS OF REDUCING THEIR BID PRICE.
12. ALL AUTOMATIC TEMPERATURE CONTROL PANELS, RISERS, AND ACCESSORIES, ETC., AND ALL PNEUMATIC AND/OR ELECTRIC CONTROL PANELS, RISERS, ACCESSORIES, ETC., ARE TO REMAIN INTACT, AND IN PROPER OPERATING CONDITION DURING THE ENTIRE DEMOLITION PROCESS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
13. THE CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF DISCONNECTING AND REMOVING ALL HVAC EQUIPMENT, PIPING, LOUVERS, DUCTWORK, GRILLES, CONTROLS, SUPPORTS, ETC., COMPLETE BUT NOT REQUIRED TO FUNCTION UNDER THIS CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND CLEANUP OF ALL DEBRIS ASSOCIATED WITH THE DEMOLITION OF HVAC ITEMS COMPLETE. HE SHALL REFER TO THE ARCHITECTS PHASING PLAN FOR THE SCHEDULING OF HIS WORK.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING OPENINGS, PATCHING AND PAINTING ALL REMAINING OPENINGS IN THE INTERIOR WALLS, FLOORS, AND CEILING.
15. IF DURING THE COURSE OF DEMOLITION, EXISTING UTILITIES ARE ENCOUNTERED, WORK IN THAT AREA IS TO BE HALTED UNTIL THE STATUS OF THE UTILITIES HAS BEEN ASCERTAINED BY THE ARCHITECT/ENGINEER AND AUTHORITY TO PROCEED GIVEN BY THE ARCHITECT/ENGINEER.
16. ALL CUTTING, DEMOLITION AND PATCHING OF EXISTING AND/OR NEW CONSTRUCTION OR EQUIPMENT IS TO BE PERFORMED BY THE CONTRACTOR WHO IS TO SUPPLY AND INSTALL THE NEW CONSTRUCTION AND/OR EQUIPMENT.
17. WHERE DEMOLITION OF EXISTING CONSTRUCTION AND/OR EQUIPMENT OCCURS, PATCH AND REPAIR FLOOR, WALL AND CEILING CONSTRUCTION AND/OR FINISHES TO MATCH ADJACENT CONSTRUCTION AND/OR FINISHES.
18. CAP UNUSED OPENINGS OF PIPE AND DUCT WORK AFTER DEMOLITION.

PIPING:

1. ALL DOWNFEED BRANCHES AND EQUIPMENT SHALL HAVE DRAIN COCKS INSTALLED AT LOWEST POINT.
2. ALL HORIZONTAL LINES SHALL BE RUN LEVEL WITHOUT POCKETS. WHERE POCKETS OCCUR, AUTO AIR VENTS SHALL BE INSTALLED AT EACH VERTICAL RISE.
3. ALL UPFEED RISERS SHALL BE MADE WITH TOP CONNECTIONS AT MAIN. ALL DOWNFEED RISERS SHALL BE MADE WITH BOTTOM CONNECTIONS AT MAIN.
4. CHANGES OF HYDRONIC PIPE SIZES ON HORIZONTAL RUNS SHALL BE MADE WITH INVERTED ECCENTRIC REDUCERS WITH TOP OF PIPE LEVEL.
5. ARROWS ON SUPPLY AND RETURN LINES INDICATE DIRECTION OF FLOW.
6. PROVIDE VALVE WITH HOSE END ON ALL LOW POINTS OF PIPING SYSTEM AND AUTO AIR VENTS AT ALL HIGH POINTS OF THE PIPING SYSTEM UNLESS NOTED OTHERWISE.
7. CHANGES OF STEAM PIPE SIZES ON HORIZONTAL RUNS SHALL BE MADE WITH ECCENTRIC REDUCERS WITH BOTTOM OF PIPE LEVEL.
8. FOR TYPICAL STEAM, WATER, AND REFRIGERANT PIPING CONNECTIONS TO EQUIPMENT, SEE STANDARD DETAILS.
9. WATER PIPE CONNECTIONS TO AIR HEATING AND COOLING COILS SHALL BE MADE SO THERE WILL BE COUNTER FLOW BETWEEN WATER AND AIR.
10. DIELECTRIC UNIONS AND FLANGES SHALL BE USED ON ALL CONNECTIONS BETWEEN DISSIMILAR METALS.
11. WHERE WATER LINES ARE RUN IN CRAWL SPACES, RUN LINE HIGH AS POSSIBLE. WHERE LINES INTERFERE WITH HEATING LINES, THE HEATING LINES SHALL HAVE PRECEDENCE.
12. ALL LINES NOTED "BELOW FLR." OR "ABV. CLG." SHALL BE CONCEALED IN JOIST SPACE, THROUGH JOISTS, OR BETWEEN JOISTS, UNLESS CEILING IS FURRED OR LINES ARE BELOW SLAB ON GRADE.
13. PROVIDE DIRT LEG AT BOTTOM OF ALL VERTICAL RISERS AND DROPS IN GAS LINES.
14. COORDINATE LOCATIONS OF ALL LINES AND EQUIPMENT WITH OTHER CONTRACTORS.
15. AT LOCATIONS WHERE NEW CONNECTIONS ARE TO BE MADE TO EXISTING PIPING, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING LINES BEFORE INSTALLING NEW PIPING SYSTEMS.
16. PROVIDE ADDITIONAL OFFSETS IN PIPING TO ACCOUNT FOR UNFORESEEN CIRCUMSTANCES.

ABBREVIATIONS

AD	ACCESS DOOR
ATC	AUTOMATIC TEMPERATURE CONTROL
AP	ACCESS PANEL
CO	CLEAN OUT
EA	EXHAUST AIR
ERC	EXHAUST REGISTER CEILING
EX	EXISTING
FC	FLEXIBLE CONNECTION
FLR	FLOOR
LCD	LINEAR CEILING DIFFUSER
MAX	MAXIMUM
MIN	MINIMUM
NOM.	NOMINAL
OA	OUTDOOR AIR
R/A	RETURN AIR
RADP	RADIANT HEATING PANEL
RDCP	RETURN DIFFUSER CEILING PERFORATED
RH	RELATIVE HUMIDITY
S/A	SUPPLY AIR
SDCP	SUPPLY DIFFUSER CEILING PERFORATED
SERC	SECURITY EXHAUST REGISTER CEILING
SRADP	SECURITY RADIANT HEATING PANEL
SRDCP	SECURITY RETURN DIFFUSER CEILING PERFORATED
SSDCP	SECURITY SUPPLY DIFFUSER CEILING PERFORATED
SD.	SMOKE DAMPER
SP	STATIC PRESSURE
V	VALVE
VCD	VOLUME CONTROL DAMPER (MANUAL OPPOSED BLADE)

FIRE RATED WALL LEGEND:

- SMOKE BARRIER
- 1-HOUR FIRE RATED WALL
- 2-HOUR FIRE RATED WALL

GENERAL SYMBOLS

- DIRECTION OF FLOW
- REDUCER OR INCREASER
- TOP CONNECTION, 45° OR 90°
- BOTTOM CONNECTION, 45° OR 90°
- SIDE CONNECTION
- CAPPED OUTLET
- RISE OR DROP IN PIPE
- UNION
- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- LIMIT OF DEMOLITION
- STRAINER
- THERMOMETER
- PRESSURE GAGE
- EXISTING PIPE TO BE REMOVED

DRAWING SYMBOLS

- 2 / H4 — DETAIL NUMBER / DRAWING NUMBER WHERE DRAWN
- A / H7 — SECTION LETTER / DRAWING NUMBER WHERE SHOWN
- BUILDING NO. WHERE EQUIPMENT IS LOCATED.
- EQUIPMENT ABBREVIATION (SUPPLY FAN)
- 26-SF 3 — SUPPLY FAN NO.3 IN BUILDING NO.26
- TYPICAL UNIT NO.
- ITEM (TERMINAL UNIT SHOWN)
- TU-H — ITEM NUMBER (TERMINAL UNIT NO.1)
- SERVED BY SUPPLY FAN NO.1

DUCTWORK SYMBOLS

- UP / DN — SUPPLY DUCT (UP & DOWN)
- UP / DN — EXHAUST DUCT (UP & DOWN)
- ROUND AND SQUARE 4-WAY CEILING DIFFUSERS
- SQUARE 3-WAY CEILING DIFFUSERS
- SQUARE 2-WAY CEILING DIFFUSERS
- SQUARE 1-WAY CEILING DIFFUSERS
- LINEAR SLOT DIFFUSER
- SUPPLY TOP REGISTER OR GRILLE (WALL TYPE)
- EXHAUST OR RETURN CEILING REGISTER OR GRILLE
- EXHAUST OR RETURN BOTTOM REGISTER OR GRILLE (WALL TYPE)
- EXHAUST OR RETURN REGISTER OR TOP GRILLE (WALL TYPE)
- VANED ELBOW & AIR SPLIT TYPE DUCT TAKE-OFF
- CONNECT NEW DUCT TO EXISTING DUCT
- R — INCLINED RISE, IN DIRECTION OF AIR FLOW
- D — INCLINED DROP, IN DIRECTION OF AIR FLOW
- LIMIT OF DEMOLITION
- FC — FLEXIBLE CONNECTION
- VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
- VANED ELBOW (SHORT RADIUS)
- STANDARD RADIUS ELBOW
- 10x8 — NEW DUCT (WIDTH x DEPTH)
- 10Ø — ROUND DUCT (DIAMETER)
- 10/8 — FLAT OVAL (SHOWN / HIDDEN)
- 10x8 — DUCT (SHOWN x HIDDEN)
- FLEXIBLE DUCTWORK
- EXISTING DUCT TO REMAIN
- EXISTING DUCT TO BE REMOVED
- LOUVER (LOUVER SPECIFIED IN ARCHITECTURAL SECTION.)
- VCD — MANUAL VOLUME CONTROL DAMPER
- TERMINAL UNIT WITH REHEAT COIL

DUCTWORK SYMBOLS

- OR — DOUBLE WALL CASING PANEL
- MANUAL SPLITTER DAMPER
- 45° SUPPLY / 45° RETURN — STANDARD BRANCH SUPPLY OR RETURN, NO SPLITTER (45° TAP)
- M — MOTOR OPERATED DAMPER
- F — FIRE DAMPER
- S — SMOKE DAMPER
- C — COMBINATION FIRE/SMOKE DAMPER

PIPING SYMBOLS

HEATING

- HWH — HOT WATER HEATING SUPPLY
- HWHR — HOT WATER HEATING RETURN

VALVE SYMBOLS

- GATE VALVE
- GLOBE VALVE
- GATE VALVE WITH 3/4 " HOSE ADAPTER
- CHECK VALVE
- ANGLE GLOBE VALVE
- BUTTERFLY VALVE
- BALL VALVE
- BALANCING VALVE
- CIRCUIT SETTER
- STRAIGHT-THRU MODULATING CONTROL VALVE
- STRAIGHT-THRU TWO POSITION CONTROL VALVE
- THREE-WAY MODULATING CONTROL VALVE
- AUTOMATIC FLOW CONTROL VALVE
- SAFETY OR PRESSURE RELIEF VALVE

CONTROLS SYMBOLS

- T — ROOM THERMOSTAT
- T_S — TEMPERATURE SENSOR (DUCT MOUNTED)

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