

FORM "M" MECHANICAL SUBTRADE LIST

CONTRACTOR

PROJECT:

Mechanical contractors are to complete the following subtrade list and include a copy of it within the main envelope submitted through the Bid Depository. The list represents the Contractor and subcontractors that will be used to complete various portions of the Mechanical work on the project.

All Divisions and sections taken from Tender Specification Documents.

Each line is to be filled out with either the name of the Contractor or subcontractor to be used, or with an N/A (not applicable).

At the bottom of form M is the list of exclusions that are not the responsibility of the mechanical contractor. The work or services excluded below only apply for the purposes of the Bid Depository process, and do NOT apply to the procurement by the Owner. General Contractors are still solely responsible for and must include the full cost and price of such work or services into its Bid or Proposal for the Owner.

TABLE "A"

	Name of Contractor	Subcontractor	Own Forces (if contractor will also be General Contractor. Indicate all employees of General Contractor who will be performing work with their corresponding certification number)
DIVISION 20 – MECHANICAL GENERAL			
20 05 01 GENERAL MECHANICAL PROVISIONS			
20 05 05 GENERAL DOCUMENTATION			
20 05 06 SYSTEMS DEMONSTRATION AND OWNER'S INSTRUCTION			

20 05 07 MATERIALS TESTING			
20 05 08 EQUIPMENT TESTING AND STARTUP			
20 05 19 METERS AND GAUGES			
20 05 23 VALVES AND STRAINERS			
20 05 29 SUPPORTS, ANCHORS, SEALS, PIPE AND DUCT PENETRATIONS, AND ACCESS DOORS			
20 05 30 SEISMIC RESTRAINT SYSTEMS			
20 05 48 VIBRATION ISOLATION			
20 05 53 IDENTIFICATION FOR MECHANICAL SYSTEMS			
20 15 00 TANKS			
20 20 10 PIPE AND PIPE FITTINGS			
20 20 30 PIPING AND EQUIPMENT INSULATION			

20 20 60 PUMPS			
20 22 00 TESTING, BALANCING AND ADJUSTING			
20 30 01 CONTROLS AND AUTOMATION			
DIVISION 21 – FIRE SUPPRESSION			
21 05 01 GENERAL PROVISIONS – FIRE SUPPRESSION			
21 05 05 DOCUMENTATION FOR FIRE SUPPRESSION			
21 05 06 DEMONSTRATION AND INSTRUCTION FOR FIRE SUPPRESSION			
21 05 07 MATERIAL TESTING FIRE SUPPRESSION			
21 05 08 FIRE SUPPRESSION EQUIPMENT TESTING AND STARTUP			
21 05 09 PIPE AND PIPE FITTINGS FOR FIRE SUPPRESSION SYSTEMS			
21 05 23 GENERAL DUTY VALVES FOR WATER BASED FIRE SUPPRESSION PIPING			

21 05 29 HANGERS AND SUPPORTS FOR FIRE SUPPRESSION PIPING AND EQUIPMENT			
21 05 53 PAINTING AND IDENTIFICATION FOR FIRE SUPPRESSION			
21 13 13 WET PIPE FIRE SUPPRESSION SPRINKLER SYSTEMS			
21 50 01 FIRE EXTINGUISHERS			
DIVISION 22 - PLUMBING			
22 05 01 GENERAL PROVISIONS - PLUMBING			
22 11 19 DOMESTIC WATER PIPING SPECIALTIES			
22 11 21 DOMESTIC WATER PIPING SYSTEM CLEANING AND DISINFECTING			
22 13 19 SANITARY WASTE PIPING SPECIALTIES			
22 34 36 DOMESTIC HOT WATER HEATERS			
22 42 13 COMMERCIAL WATER CLOSETS, URINALS AND TRIM			

22 42 16 COMMERCIAL LAVATORIES, SINKS, AND TRIM			
22 42 19 COMMERCIAL SHOWERS AND TRIM			
DIVISION 23 – HEATING, VENTILATION AND AIR CONDITIONING (HVAC)			
23 05 01 GENERAL PROVISIONS – HEATING, VENTILATING AND AIR CONDITIONING (HVAC)			
23 05 92 COORDINATION WITH BALANCING AGENCY			
23 07 13 DUCTWORK AND BREECHING INSULATION			
23 23 16 REFRIGERATION SPECIALTIES			
23 31 13 METAL DUCTS			
23 33 13 AIR DUCT ACCESSORIES			
23 34 13 IN-LINE HVAC FANS			
23 37 13 AIR OUTLETS AND INLETS			

23 72 33 PACKAGED AIR TO AIR ENERGY RECOVERY UNITS			
23 81 16 DECENTRALIZED UNITARY HVAC EQUIPMENT			
23 82 16 ELECTRIC RESISTANCE AIR COILS			
Major Equipment If Listed Below			
Blanks for any section or subsection not listed from the above.			

COMMON EXCLUSIONS FOR ALL TRADE SECTIONS AND DIVISIONS

- temporary power, heat, water, sanitation, barriers
- heating and hoarding
- onsite first aid
- final cleaning
- initial removal of snow and ice

- fees or cash allowances for service connections unless specified in the trade section
- on site security, if specified
- testing unless specified in the trade section
- provision of gridlines and benchmarks on each level
- repairs to damage by others after completion and acceptance of the work
- temporary lighting unless specifically detailed on the electrical drawings that are part of the *Bid* for Division 2 work
- provision of garbage/refuse/recyclable containers and their removal (including disposal fees), except the *Trade Contractor* shall be responsible for removal from the site of demolition materials, hazardous materials and drywall
- cost for a reasonable number of copies of all *Project Documents* where not provided by the *Owner*
- temporary dust control and/or ventilation systems required as a project specified environmental condition for the entire project. Note: where it is a requirement to meet the needs of one specific *Trade Contractor* and specified thus, then that *Trade Contractor* shall be responsible to include for the cost of this work.

DIVISION 1 – MECHANICAL (and related Sections/Divisions)

- outside service piping not shown or specified in the Division 1 plans or specifications, fittings, precast concrete and related
- **all civil concrete, excavation or backfill work including shoring and bedding, marker tape & planking**
- work beyond one meter of the building, with the exception of gas line from the gas meter to the building
- excavation, compaction, backfilling, dewatering (except where required for geothermal heat pump systems)
- line voltage wiring or control (over 24 volt) unless specified in this section
- painting when specified in Section 09900 Painting
- pipe bollards
- asbestos abatement unless specified in this section
- asbestos abatement when also specified in another section
- cutting, patching unless due to error by this trade (except in-ground coring or drilling for geothermal heat pump systems)
- concrete work
- furring and backing
- filter fabric and drain rock
- weeping tile and/or footing drains and their cleanout risers including the cleanout
- seismic restraint, seismic restraint design, approval or seals unless specified in this section
- thermal concrete used for duct insulation (zonolytic concrete)
- buried corrugated metal culvert piping or tanks constructed of corrugated metal culvert
- non-plumbing pipe rainwater leaders such as hollow steel sections (HSS)
- removal of existing outside site service piping and underground piping except petroleum fuel pipes and tanks when specified in this division
- perforated piping/weeping tile drainage systems (such as for playing fields)
- x-rays for cutting, patching unless due to error by this trade