

**FORM "M" MECHANICAL SUBTRADE LIST**

CONTRACTOR: \_\_\_\_\_

PROJECT: **Mayo Fire Hall**

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)
<b>DIVISION 21 – FIRE SUPPRESSION</b>			
<b>21 12 01</b> PORTABLE FIRE EXTINGUISHERS 2			
<b>DIVISION 22 - PLUMBING</b>			
<b>22 05 00</b> COMMON WORK RESULTS FOR PLUMBING 1			
<b>22 05 23</b> VALVES FOR PLUMBING PIPING 3			

<b>22 07 20</b> PLUMBING PIPING INSULATION 7			
<b>22 10 10</b> PLUMBING PUMPS 3			
<b>22 11 16</b> DOMESTIC WATER PIPING 7			
<b>22 13 17</b> DRAINAGE WASTE AND VENT PIPING - CAST IRON AND COPPER 2			
<b>22 13 18</b> DRAINAGE WASTE AND VENT PIPING - PLASTIC 4			
<b>22 30 05</b> DOMESTIC WATER HEATERS 3			
<b>22 42 01</b> PLUMBING SPECIALTIES AND ACCESSORIES 5			
<b>22 42 03</b> COMMERCIAL WASHROOM FIXTURES 2			
<b>22 42 16</b> COMMERCIAL LAVATORIES AND SINKS 3			
<b>22 42 20</b> COMMERCIAL SHOWERS AND BATHTUBS 3			
<b>DIVISION 23 – HEATING, VENTILATION AND AIR CONDITIONING (HVAC)</b>			
<b>23 03 01</b> USE OF MECHANICAL SYSTEMS DURING CONSTRUCTION 1			

<b>23 05 00</b> COMMON WORK RESULTS - MECHANICAL 8			
<b>23 05 01</b> INSTALLATION OF PIPEWORK 3			
<b>23 05 02</b> PIPEWORK TESTING 3			
<b>23 05 03</b> MECHANICAL START-UP 3			
<b>23 25 21</b> THERMOMETERS AND PRESSURE GAUGES – PIPING SYSTEMS 3			
<b>23 05 29</b> HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT 4			
<b>23 05 48</b> VIBRATION CONTROLS FOR HVAC PIPING AND EQUIPMENT 2			
<b>23 05 49</b> SEISMIC RESTRAINT SYSTEMS (SRS) - TYPE P2 BUILDINGS 6			
<b>23 05 54</b> MECHANICAL IDENTIFICATION 7			
<b>23 05 93</b> TESTING, ADJUSTING, AND BALANCING FOR HVAC 5			
<b>23 07 13</b> THERMAL INSULATION FOR DUCTING 6			
<b>23 07 16</b> THERMAL INSULATION FOR EQUIPMENT 3			

<b>23 09 33</b> ELECTRIC AND ELECTRONIC CONTROL SYSTEM FOR HVAC 9			
<b>23 09 34</b> CONTROL SEQUENCES 4			
<b>23 31 14</b> METAL DUCTS - LOW PRESSURE TO 500 PAV 6			
<b>23 33 00</b> AIR DUCT ACCESSORIES 3			
<b>23 33 14</b> DAMPERS - BALANCING 2			
<b>23 33 15</b> DAMPERS - OPERATING 2			
<b>23 33 16</b> DAMPERS - FIRE AND SMOKE 2			
<b>23 34 00</b> HVAC FANS 3			
<b>23 37 13</b> DIFFUSERS, REGISTERS AND GRILLES 2			
<b>23 37 20</b> LOUVRES, INTAKES AND VENTS 2			
<b>23 41 00</b> PARTICULATE AIR FILTRATION 2			
<b>23 72 00</b> AIR TO AIR ENERGY RECOVERY EQUIPMENT 4			

23 82 36 BASEBOARD HEATERS 2			
23 82 39 UNIT HEATERS 2			

**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
- 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 rain water 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, coring, patching unless due to error by this trade