

FORM "M" MECHANICAL SUBTRADE LIST

CONTRACTOR

PROJECT: PELLY CROSSING NEW SWIMMING POOL

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 21 – FIRE SUPPRESSION			
21 12 01 - PORTABLE FIRE EXTINGUISHERS			
DIVISION 22 – PLUMBING			
22 05 23 - VALVES FOR PLUMBING PIPING			
22 07 20 - PLUMBING PIPING INSULATION			
22 10 10 - PLUMBING PUMPS			

22 11 16 - DOMESTIC WATER PIPING			
22 13 17 - DRAINAGE WASTE AND VENT PIPING - CAST IRON AND COPPER			
22 13 18 - DRAINAGE WASTE AND VENT PIPING - PLASTIC			
22 13 19 - PVC PROCESS PIPING			
22 13 23 - UNDERGROUND SEWAGE HOLDING & SEPTIC TANKS			
22 30 05 - DOMESTIC WATER HEATERS			
22 42 01 - PLUMBING SPECIALTIES AND ACCESSORIES			
22 42 02 - COMMERCIAL PLUMBING FIXTURES			
22 42 03 - COMMERCIAL WASHROOM FIXTURES			
22 42 20 - COMMERCIAL SHOWERS AND BATHTUBS			
DIVISION 23 – HEATING VENTILATING AND AIR CONDITIONING			
23 05 00 - COMMON WORK RESULTS FOR HVAC			
23 05 01 - USE OF HVAC SYSTEMS DURING CONSTRUCTION			

23 05 02 - PIPEWORK TESTING			
23 05 03 - MECHANICAL START-UP			
23 05 05 - INSTALLATION OF PIPEWORK			
23 05 19.01 - THERMOMETERS AND PRESSURE GAUGES – PIPING SYSTEMS			
23 05 23.01 - VALVES - BRONZE			
23 05 23.02 - VALVES - CAST IRON			
23 05 23.05 - BUTTERFLY VALVES			
23 05 29 - HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT			
23 05 48 - VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING AND EQUIPMENT			
23 05 53.01 - MECHANICAL IDENTIFICATION			
23 05 93 - TESTING, ADJUSTING AND BALANCING FOR HVAC			
23 07 13 - DUCT INSULATION			
23 07 16 - THERMAL INSULATION FOR EQUIPMENT			
23 07 19 - THERMAL INSULATION FOR HVAC PIPING			

23 08 00 - COMMISSIONING OF HVAC/POOL SYSTEMS			
23 08 02 - CLEANING AND START-UP OF MECHANICAL PIPING SYSTEMS			
23 09 33 - ELECTRIC AND ELECTRONIC CONTROL SYSTEM FOR HVAC			
23 11 26 - FACILITY PROPANE GAS PIPING			
23 21 13.01 - HYDRONIC SYSTEMS: COPPER			
23 21 13.02 - HYDRONIC SYSTEMS: STEEL			
23 21 14 - HYDRONIC SPECIALTIES			
23 21 23 - HYDRONIC PUMPS			
23 25 00 - HVAC WATER TREATMENT SYSTEMS			
23 31 13.01 - METAL DUCTS - LOW PRESSURE TO 500 PA			
23 33 00 - AIR DUCT ACCESSORIES			
23 33 14 - DAMPERS - BALANCING			
23 33 15 - DAMPERS - OPERATING			
23 33 16 - DAMPERS - FIRE AND SMOKE			

23 34 00 - HVAC FANS			
23 37 13 - DIFFUSERS, REGISTERS AND GRILLES			
23 37 20 - LOUVRES, INTAKES AND VENTS			
23 41 00 - PARTICULATE AIR FILTRATION			
23 51 00 - BREECHING, CHIMNEYS AND STACKS			
23 52 00 - HEATING BOILERS			
23 57 00 - HEAT EXCHANGERS FOR HVAC			
23 72 00 - AIR-TO-AIR ENERGY RECOVERY EQUIPMENT			
23 74 00 - PACKAGED OUTDOOR HVAC EQUIPMENT			
23 82 16 - AIR COILS			
23 82 33.02 - COMMERCIAL CONVECTORS			
23 82 39 - UNIT HEATERS			
23 83 00 RADIANT HEATING UNITS			
23 83 33.02 COMMERCIAL CONVECTORS			

DIVISION 33 – UTILITIES			
33 14 16 SITE WATER UTILITY DISTRIBUTION			
33 31 11 SANITARY GRAVITY PIPING			
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
- 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