PART 1 - GENERAL

1.1 **Scope**

.1 Work Included in this Section:

.1 Includes the supply and installation of the basketball backstops and includes without being limited to; frames, backboards, accessories, mounting fasteners, and reinforcements.

.2 Related Work Specified Elsewhere:

.1 Section 03300 - CAST-IN-PLACE CONCRETE (concrete work, cutting and coring)
.2 Section 04200 - UNIT MASONRY (concrete fill, installation and positioning of through wall bolts)
.3 Section 05500 - METAL FABRICATIONS (metal backing and reinforcing)
.4 Section 06100 - ROUGH AND FINISH CARPENTRY (supply and installation of wood blocking items)
.5 Section 09900 - PAINTING (field painting of metal framework, backboards and backboard targets)

1.2 **System Description**

.1 Basketball Backstops:

.1 Work in this section is based on product as manufactured by **Forum Athletic Products Inc.** (905) 405-1222.

1.3 **Quality Assurance**

.1 General:

.1 Equipment provided shall incorporate the manufacturers latest design improvements and materials in place as of date of manufacture.

.2 Manufacturer:

.1 Shall be registered with the WSIB and safety certified at time of bid.
.2 Shall be CWB certified under CSA standard W47.1 "Certification of Companies for Fusion Welding of Steel"
.3 Shall be an established firm experienced in the field of gymnasium equipment and approved by the manufacturer.
.4 Shall have no less than 5 years experience, dating from the bid date set for this project and have satisfactorily completed no less than 5 installations similar in complexity to that required here-in.

.3 Warranty/Guarantee:

.1 Provide a written warranty covering defects in materials and workmanship for a period of one year after date of installation.

1.4 **Submittals**

.1 Shop Drawings:

.1 Provide as directed under [Section 01340]; show complete details, mounting and clearance dimensions, mounting details, and any additional backing required for proper mounting.

.2 Maintenance Information:

.1 Provide [number] copies of the care and maintenance information for incorporation into the Project Maintenance Manuals.

1.5 **Product Delivery, Storage, and Handling**

.1 Delivery:

.1 Do not deliver materials of this section until the building has been enclosed and is weather tight and dry.
.2 Deliver materials of this section to suit construction schedules; ensure related trades have completed their work.

.2 Storage:
.1 Materials shall be stored in a secure location provided by the General Contractor.

1.6 **Site Conditions**
.1 Building Conditions:
.1 Ensure the area is neat and clean and that there are no obstructions, which may affect the safety of the workers.
.2 Ensure that all related trades, which affect the work of this section, have completed their work.
.3 Electrical power and lighting shall be available in the work area.

.2 Surface Tolerances:
.1 Ensure that work is smooth and level and is adequately reinforced to take the loads imposed by the mounting of the equipment as specified under this sections work.

PART 2 - PRODUCTS
2.1 **Fabrication**
.1 Wall Suspension:
.1 Mounted to the wall by means of [3/8" X 3"] [9mm X 76mm] steel plates, length as required for unit specified.
.2 Mounting plates to be attached by means of through wall bolts where appropriate; wall bolts supplied by this section and installed by [Division 4 - Masonry] [Division 6 - Carpentry].

.2 Steel Framework:
.1 Frame structure shall be made using steel members mounted at [35"] [890mm] on centre. Steel members to be mounted at [63"] [1600mm] on centre for glass rectangular backboards (without height adjusters); all frame structure to be painted [blue] [black]
.2 Framework shall be:
.1 **Model F852** Wall Mounted Fixed Backstop - framework shall be [2" X 2" X .125" wall] [50mm X 50mm x 3mm wall] steel tubing.

2.2 **Basketball Backstop Assemblies**
.1 Wall Mount Units: (Select Appropriate Information)
.1 Shall be Forum Model: F852 Wall mounted fixed basketball backstops.
Quantity _____ Units, _____ Extension

2.3 **Operation**
.1 Backboards: (Select Appropriate Information)
.1 Provide regulation backboards [fan shaped {35” X 54”} {889mm X 1372mm}] [rectangular {42" X 72"} {1070mm X 1830mm}]

[F40209 Glass rectangular backboard w/ border and target]
- [F40204 Steel rectangular backboard]
[F40204T Steel rectangular backboard w/ border and target]
[F40203 Wood rectangular backboard w/ target]
- [F40206 Glass fan shaped backboard w/ border and target]
[F40202 Steel fan shaped backboard]
[F40202T Steel fan shaped backboard w/ border and target]
[F40205 Aluminum fan shaped backboard]
[F40205T Aluminum fan shaped backboard w/ border and target]
[F40201 Wood fan shaped backboard (rear mount)]
[F40201T Wood fan shaped backboard (rear mount) w/ target]

[F40207 Wood fan shaped backboard (front mount)]
[F40207T Wood fan shaped backboard (front mount) w/ target]

.2 Goals: (Select Appropriate Information)
.1 Provide regulation goal and net, all electric weld, minimum [5/8”] [15mm] dia. solid steel frame

[F40101 Front mounted HD goal and net]
- [F40102 Rear mounted HD goal and net]
[F40104 Front mounted HD double rim goal and net]
- [F40105 Rear mounted HD double rim goal and net]
[F40115 Collegiate breakaway goal and net]
- [F40114 Master breakaway goal and net]
[F40116 Rear mounted breakaway goal and net]
- [F40108 Outdoor double rim breakaway goal and net]

2.4 **Ancillary Items**

.1 Cushion Edge Padding: (Select Appropriate Information)
.1 Provide protective padding for glass rectangular banks [F40210 Pro Mold Bolt On Cushion Edge Padding] for steel rectangular banks [F40211 Peel & Stick Cushion Edge Padding]
.2 Height Adjuster:
.1 Provide F49004 height adjuster w/ crank handle to adjust goal height from [8’-0” to 10’-0”] [2438 mm to 3048 mm]

PART 3 - EXECUTION

3.1 **Inspection**

.1 Site Dimensions:
.1 Verify by obtaining actual site measurements prior to any fabrication, all dimensions as required for proper installation.

.2 Receiving Surfaces:
.1 Ensure that all receiving surfaces are smooth and level and adequately reinforced to support the work of this section; additional backing shall be provided as and where required to ensure a safe and proper installation.
.2 Report any discrepancies to the General Contractor who shall have deficient work corrected immediately.

3.2 **Installation and Performance**

.1 Standard:
.1 Installation to conform to the manufacturers latest approved installation methods and procedures.

.2 Methods:
.1 Attach equipment mounted on the walls using suitable anchor bolts as shown on the approved shop drawings; through bolts to be used wherever possible.
.2 Where equipment is fixed to structural components, equipment is to be mounted using fastening devices custom designed to withstand the loads imposed by the equipment and not affect the structural requirements of these components.

.3 Structural Supports:

.1 Provided as required by the Structural Trade to locations as verified by this section, all structural supports required to safely support this sections work.

END OF SECTION

Note: Square brackets [] indicates a choice in selection, {} brackets to indicate a choice of selection with-in a selection; select or modify to suit project requirements.