**SECTION 11 66 23.53**

**(Formally Section 11486)**

**GYMNASIUM WALL PADDING**

**PART 1 – GENERAL**

1. **SUMMARY**
	1. Section Includes
		1. [Gymnasium Wall Padding.](#GYMNASIUM_WALL_PADDING)
			1. [WallGuard Impact Wall Padding.](#WALLGUARD_HIGH_IMPACT)
			2. [WallGuard Fire Wall Padding.](#WALLGUARD_CLASS_A)
			3. [WallGuard Fire/Impact Wall Padding.](#WALLGUARD_CLASS_A_HIGH_IMPACT)
2. **REFERENCES**
3. National Federation of State High School Associations (NFHS).
4. National Collegiate Athletic Association (NCAA).
5. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
6. ASTM F2440-04 - Standard Specification for Indoor Wall / Feature Padding.
7. **SUBMITTALS**
8. Comply with Section 01 33 00 – Submittal Procedures.
	1. Certificates: Submit manufacturer’s certificates for proof that all materials comply with specified requirements.
	2. Shop Drawings: Submit drawings, including elevations, plans, layouts, component locations, dimensions, fabrication details, materials, quantities, hardware, and method of attachment.
	3. Product Data: Submit manufacturer’s product data, including proposed components, fabrication, finish, and materials.
	4. Samples: Submit manufacturer’s color samples, including 14 ounce wall pad vinyl.
	5. Installation and Maintenance Instructions: Submit installation and maintenance instructions including any recommended routine maintenance or cleaning.
	6. Warranty: Submit manufacturer’s guarantees and warranty information on wall padding.
9. **QUALITY ASSURANCE**
10. Manufacturer Qualification: All components to be provided from a single source manufacturer.
11. Installer Qualification: All components to be installed by a trained and qualified installer approved by the manufacturer.
12. **DELIVERY, STORAGE, AND HANDLING**
13. Delivery: Deliver wall padding in original manufacturer’s containers, with all containers grouped together, with labels clearly labeling the manufacturer and contents. Upon delivery, immediately inspect delivery for any missing containers or damage. Any damage or defects shall be noted and reported to the Owner’s Representative.
14. Storage: Store containers in a clean, dry indoor location.
15. Handling: Protect materials and finish during handling and installation.
16. Replacements: If necessary, replacements shall be immediately re-ordered, so as to minimize any conflict with the construction schedule.
17. **WARRANTY**
	1. WallGuard Wall Padding shall be guaranteed against defects in material and workmanship for a period of one (1) year. Other components may be covered by their own extended warranty.

**PART 2 – PRODUCTS**

1. **MANUFACTURER**
2. Jaypro Sports, LLC. 976 Hartford Turnpike, Waterford, Connecticut 06385. Toll Free 800-243-0533. Phone 860-447-3001. Fax 800-988-3363. Email info@jaypro.com. Web www.jaypro.com.
3. Manufactures of equivalent products will be considered in accordance with Section 01 25 13, Product Substitution Procedures.
4. **GYMNASIUM WALL PADDING**
	1. **WallGuard Impact Wall Padding.**
		1. Type: Vinyl wrapped high impact wall padding for indoor use only. Bidder is responsible for quantity and dimensions of wall padding. Sections of padding shall meet architectural requirements, as specified by Architect and/or Drawing Elevations.

**<< << <<** SPECIFY DIMENSIONS BELOW **>> >> >>**

* + 1. Impact Resistance: Meets or exceeds impact standards as defined in ASTM F2440-04. All pads without certification shall not be approved as equals.
		2. Shape and Size:
			1. WallGuard Impact Flat "F" Shaped Wall Pads: Typical 2' wide by 6' high, located 4" above finished floor. If required, specify custom size: ­­[ \_\_\_\_\_ ] wide by

[ \_\_\_\_\_ ] high.

* + - 1. WallGuard Impact Corner "L" Shaped Wall Pads: ­­[ \_\_\_\_\_ ] by ­­[ \_\_\_\_\_ ] wide by

­­[ \_\_\_\_\_ ] high, located 4" above finished floor.

* + - 1. WallGuard Impact Column "C" Shaped Wall Pads: [ \_\_\_\_\_ ] by ­­[ \_\_\_\_\_ ] by

­­[ \_\_\_\_\_ ] wide by ­­[ \_\_\_\_\_ ] high, located 4" above finished floor.

* + 1. Construction:
			1. Vinyl: 14 oz. per square yard with grip tensile strength 365 lbs x 348 lbs and tongue tear strength 92 lbs x 83 lbs. Vinyl shall have embossed leather-like pattern. Vinyl meets or exceeds NFPA 101 Life Safety Code for Class A rating (Flame Spread 0-25, Smoke Development 0-450) and California State (CSFM) test requirements.
			2. Foam: 2" thick ASTM F2440-04 high impact foam.
			3. Backing: 7/16" oriented strand board (OSB) backing. Column pads may be supplied without solid backing material.
			4. Wrapping: Pads with OSB backing shall have vinyl completely wrapped around back side of pad and secured with steel staples.
		2. Attachment: WallGuard Impact Wall Padding can be mounted to wood, drywall, concrete, brick, etc using the appropriate fasteners supplied by others. Pads without solid backing material may require custom attachment method.

**<< << <<** SPECIFY METHOD OF ATTACHMENT BELOW **>> >> >>**

* + - 1. 1" Nailing Margins Top & Bottom: Pad construction with 1" nailing margin on top and bottom of pad assembly. (STANDARD)
			2. Z-Clip Top & 1" Nailing Margin Bottom: Pad construction with z-clip attachment on top and 1" nailing margin on bottom of pad assembly. Pads shall be supplied with z-clips attached to pad assembly.
			3. Z-Clip Top & Bottom: Pad construction with z-clip attachment on top and bottom of pad assembly. Pads shall be supplied with z-clips attached to pad assembly.
		1. Treatments: Vinyl shall be washable and resistant to fade, rot, mildew, and fungus.

**<< << <<** SPECIFY COLOR BELOW **>> >> >>**

* + 1. Color: [Royal Blue] [Navy Blue] [Light Blue] [Purple] [Red] [Maroon] [Black] [White] [Gray] [Forest Green] [Kelly Green] [Tan] [Yellow] [Orange]
		2. Graphics: Custom lettering, logos, and/or graphics available.
		3. Other Applications: WallGuard Impact Wall Padding can be customized to any shape or size for applications beyond walls, corners, or columns. Such applications include, but not limited to stage fronts, doors, or scorers tables.
	1. **WallGuard Fire Wall Padding.**
		1. Type: Fire retardant, vinyl wrapped wall padding for indoor use only. Bidder is responsible for quantity and dimensions of wall padding. Sections of padding shall meet architectural requirements, as specified by Architect and/or Drawing Elevations.

**<< << <<** SPECIFY DIMENSIONS BELOW **>> >> >>**

* + 1. Fire Rating: Entire pad assembly meets or exceeds NFPA 101 Life Safety Code for Class A rating (Flame Spread 0-25, Smoke Development 0-450) and California State (CSFM) test requirements. All testing completed in accordance with ASTM E84 (also published as NFPA-255, ANSI 2.5, UBC-8-1, and UL 723). All pads without certification shall not be approved as equals.
		2. Shape and Size:
			1. WallGuard Fire Flat "F" Shaped Wall Pads: Typical 2' wide by 6' high, located 4" above finished floor. If required, specify custom size: ­­[ \_\_\_\_\_ ] wide by [ \_\_\_\_\_ ] high.
			2. WallGuard Fire Corner "L" Shaped Wall Pads: ­­[ \_\_\_\_\_ ] by ­­[ \_\_\_\_\_ ] wide by

­­[ \_\_\_\_\_ ] high, located 4" above finished floor.

* + - 1. WallGuard Fire Column "C" Shaped Wall Pads: [ \_\_\_\_\_ ] by ­­[ \_\_\_\_\_ ] by ­

[ \_\_\_\_\_ ] wide by ­­[ \_\_\_\_\_ ] high, located 4" above finished floor.

* + 1. Construction:
			1. Vinyl: 14 oz. per square yard with grip tensile strength 365 lbs x 348 lbs and tongue tear strength 92 lbs x 83 lbs. Vinyl shall have embossed leather-like pattern. Vinyl meets or exceeds NFPA 101 Life Safety Code for Class A rating (Flame Spread 0-25, Smoke Development 0-450) and California State (CSFM) test requirements.
			2. Foam: 2" thick fire retardant foam. Foam shall be bonded to backing board.
			3. Backing: 7/16" oriented strand board (OSB) backing. Column pads may be supplied without solid backing material.
			4. Wrapping: Pads with OSB backing shall have vinyl completely wrapped around back side of pad and secured with steel staples.
		2. Attachment: WallGuard Fire Wall Padding can be mounted to wood, drywall, concrete, brick, etc using the appropriate fasteners supplied by others. Pads without solid backing material may require custom attachment method.

**<< << <<** SPECIFY METHOD OF ATTACHMENT BELOW **>> >> >>**

* + - 1. 1" Nailing Margins Top & Bottom: Pad construction with 1" nailing margin on top and bottom of pad assembly. (STANDARD)
			2. Z-Clip Top & 1" Nailing Margin Bottom: Pad construction with z-clip attachment on top and 1" nailing margin on bottom of pad assembly. Pads shall be supplied with z-clips attached to pad assembly.
			3. Z-Clip Top & Bottom: Pad construction with z-clip attachment on top and bottom of pad assembly. Pads shall be supplied with z-clips attached to pad assembly.
		1. Treatments: Vinyl shall be washable and resistant to fade, rot, mildew, and fungus.

**<< << <<** SPECIFY COLOR BELOW **>> >> >>**

* + 1. Color: [Royal Blue] [Navy Blue] [Light Blue] [Purple] [Red] [Maroon] [Black] [White] [Gray] [Forest Green] [Kelly Green] [Tan] [Yellow] [Orange]
		2. Graphics: Custom lettering, logos, and/or graphics available.
		3. Other Applications: WallGuard Fire Wall Padding can be customized to any shape or size for applications beyond walls, corners, or columns. Such applications include, but not limited to stage fronts, doors, or scorers tables.
	1. **WallGuard Fire/Impact Wall Padding.**
		1. Type: Fire retardant, vinyl wrapped high impact wall padding for indoor use only. Bidder is responsible for quantity and dimensions of wall padding. Sections of padding shall meet architectural requirements, as specified by Architect and/or Drawing Elevations.

**<< << <<** SPECIFY DIMENSIONS BELOW **>> >> >>**

* + 1. Fire Rating: Entire pad assembly meets or exceeds NFPA 101 Life Safety Code for Class A rating (Flame Spread 0-25, Smoke Development 0-450) and California State (CSFM) test requirements. All testing completed in accordance with ASTM E84 (also published as NFPA-255, ANSI 2.5, UBC-8-1, and UL 723). All pads without certification shall not be approved as equals.
		2. Impact Resistance: Meets or exceeds impact standards as defined in ASTM F2440-04. All pads without certification shall not be approved as equals.
		3. Shape and Size:
			1. WallGuard Fire/Impact Flat "F" Shaped Wall Pads: Typical 2' wide by 6' high, located 4" above finished floor. If required, specify custom size: ­­[ \_\_\_\_\_ ] wide by [ \_\_\_\_\_ ] high.
			2. WallGuard Fire/Impact Corner "L" Shaped Wall Pads: ­­[ \_\_\_\_\_ ] by ­­[ \_\_\_\_\_ ] wide by ­­[ \_\_\_\_\_ ] high, located 4" above finished floor.
			3. WallGuard Fire/Impact Column "C" Shaped Wall Pads: [ \_\_\_\_\_ ] by ­­[ \_\_\_\_\_ ] by ­­[ \_\_\_\_\_ ] wide by ­­[ \_\_\_\_\_ ] high, located 4" above finished floor.
		4. Construction:
			1. Vinyl: 14 oz. per square yard with grip tensile strength 365 lbs x 348 lbs and tongue tear strength 92 lbs x 83 lbs. Vinyl shall have embossed leather-like pattern. Vinyl meets or exceeds NFPA 101 Life Safety Code for Class A rating (Flame Spread 0-25, Smoke Development 0-450) and California State (CSFM) test requirements.
			2. Foam: 2" thick ASTM F2440-04 high impact, fire retardant foam. Foam shall be bonded to backing board.
			3. Backing: 7/16" oriented strand board (OSB) backing. Column pads may be supplied without solid backing material.
			4. Wrapping: Pads with OSB backing shall have vinyl completely wrapped around back side of pad and secured with steel staples.
		5. Attachment: WallGuard Fire/Impact Wall Padding can be mounted to wood, drywall, concrete, brick, etc using the appropriate fasteners supplied by others. Pads without solid backing material may require custom attachment method.

**<< << <<** SPECIFY METHOD OF ATTACHMENT BELOW **>> >> >>**

* + - 1. 1" Nailing Margins Top & Bottom: Pad construction with 1" nailing margin on top and bottom of pad assembly. (STANDARD)
			2. Z-Clip Top & 1" Nailing Margin Bottom: Pad construction with z-clip attachment on top and 1" nailing margin on bottom of pad assembly. Pads shall be supplied with z-clips attached to pad assembly.
			3. Z-Clip Top & Bottom: Pad construction with z-clip attachment on top and bottom of pad assembly. Pads shall be supplied with z-clips attached to pad assembly.
		1. Treatments: Vinyl shall be washable and resistant to fade, rot, mildew, and fungus.

**<< << <<** SPECIFY COLOR BELOW **>> >> >>**

* + 1. Color: [Royal Blue] [Navy Blue] [Light Blue] [Purple] [Red] [Maroon] [Black] [White] [Gray] [Forest Green] [Kelly Green] [Tan] [Yellow] [Orange]
		2. Graphics: Custom lettering, logos, and/or graphics available.
		3. Other Applications: WallGuard Fire/Impact Wall Padding can be customized to any shape or size for applications beyond walls, corners, or columns. Such applications include, but not limited to stage fronts, doors, or scorers tables.

**PART 3 – EXECUTION**

1. **EXAMINATION**
	1. Examine areas of installation for any conditions that would affect the installation of the gymnasium wall padding. If conditions exist that prohibits or hinders installation, notify the Architect and/or General Contractor and do not proceed with the installation until conditions have been resolved.
2. **INSTALLATION**
	1. Install equipment in accordance with manufacturer’s instructions.
	2. If installed, protect gymnasium finished floor during installation of wall padding.
	3. Verify location and install wall padding level and straight.

**<< << <<** SPECIFY ABOVE FINISHED FLOOR DIMENSION BELOW **>> >> >>**

* 1. Mount wall padding 4" [ \_\_\_\_ ] above finished floor.
	2. Secure wall padding with fasteners supplied by others.
	3. Modify any padding with cutouts to facilitate electrical switches, outlets, signage, or other items. Cutouts shall be straight, clean, and centered about wall items. All cutouts shall be fully wrapped and secured with matching vinyl.
1. **CLEANING**
2. Clean gymnasium wall pads in accordance with manufacturer’s instructions.
3. Do not use harsh cleaning methods or supplies that may alter the finish of the gymnasium wall pads.
4. **PROTECTION**
5. For installations of gymnasium wall pads with finished floor already installed, provide means of protecting the floor to prevent damage.

**END OF SECTION**