SECTION 09 22 00

SUPPORTS FOR PLASTER AND GYPSUM BOARD
**02/10**

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

BUILDING STANDARD LAW OF JAPAN

JAPANESE STANDARDS ASSOCIATION (JSA)

| | |
|---|---|
| JIS A 5505 | (2014) Metal Laths |
| JIS A 6517 | (2020) Steel Furrings for Wall and Ceiling in Buildings |
| JIS G 3302 | (2022) Hot Dip Zinc Coated Steel Sheet and Strip |
| JIS G 3314 | (2010) Hot-Dip Aluminum-Coated Steel Sheet and Strip |
| JIS G 3321 | (2012) Molten 55 Percent Aluminum Zinc Alloy Plated Steel Sheet and Strip |
| JIS G 3505 | (2017) Mild Steel Wire Rod |

1.2 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are [for Contractor Quality Control approval.][for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government.] Submittals with an "S" are for inclusion in the Sustainability eNotebook, in conformance with Section 01 33 29 SUSTAINABILITY REPORTING. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-02 Shop Drawings

Metal Support Systems; G[, [_____]]

Submit for the erection of metal[ framing,][ furring,][ and][ ceiling suspension systems]. Indicate materials, sizes, thicknesses, and fastenings.

SD-03 Product Data

Metal Support Systems

## 1.3 DELIVERY, STORAGE, AND HANDLING

Deliver materials to the job site and store in ventilated dry locations permitting easy access for inspection and handling. If materials are stored outdoors, stack materials off the ground, supported on a level platform, and fully protected from the weather. Handle materials carefully to prevent damage. Remove damaged items and provide new items.

# PART 2 PRODUCTS

## 2.1 MATERIALS

Provide steel materials for metal support systems with galvanized coating JIS G 3302, Z18; aluminum coating JIS G 3314, with a plating adhesion amount of 80, or JIS G 3321. Provide support systems, bracing and attachments per Building Standard Law of Japan.

Provide metal support systems containing a minimum of 20 percent recycled content.

### 2.1.1 Materials for Attachment of Lath

#### 2.1.1.1 Suspended and Furred Ceiling Systems and Wall Furring

JIS A 5505.

#### 2.1.1.2 Non-loadbearing Wall Framing and Furring

JIS A 6517.

### 2.1.2 Materials for Attachment of Gypsum Wallboard

#### 2.1.2.1 Suspended and Furred Ceiling Systems

JIS A 6517. JIS G 3505 for hanger rod and nut.

#### 2.1.2.2 Nonload-Bearing Wall Framing and Furring

JIS A 6517, but not thinner than[ 0.45 mm thickness, with 0.85 mm minimum thickness supporting wall hung items such as cabinetwork, equipment and fixtures][ 0.85 mm thickness regardless of the ASTM certified third party testing statement for equivalent thicknesses].

#### 2.1.2.3 Furring Structural Steel Columns

JIS A 6517.

#### 2.1.2.4 Z-Furring Channels with Wall Insulation

Not lighter than 0.5 mm thick galvanized steel, Z-shaped, with 32 mm and 19 mm flanges and [ [25] [38] [50] [75] mm furring depth] [depth as required by the insulation thickness provided].

## PART 3 EXECUTION

### 3.1 INSTALLATION

#### 3.1.1 Systems for Attachment of Gypsum Board or Lath

Follow manufacturer's instructions.

### 3.2 ERECTION TOLERANCES

Provide framing members which will be covered by finish materials such as wallboard, plaster, or ceramic tile set in a mortar setting bed, within the following limits:

a. Layout of walls and partitions: 6 mm from intended position;

b. Plates and runners: 5 mm in 1.9 meters from a straight line;

c. Studs: 5 mm in 1.9 meters out of plumb, not cumulative; and

d. Face of framing members: 5 mm in 1.9 meters from a true plane.

Provide framing members which will be covered by ceramic tile set in dry-set mortar, latex-portland cement mortar, or organic adhesive within the following limits:

a. Layout of walls and partitions: 6 mm from intended position;

b. Plates and runners: 5 mm in 3.8 meters from a straight line;

c. Studs: 5 mm in 3.8 meters out of plumb, not cumulative; and

d. Face of framing members: 5 mm in 3.8 meters from a true plane.

-- End of Section --