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INCH-POUND

A-A-52313
21 October 1994

COMMERCIAL ITEM DESCRIPTION

STEEL SHEETS, CORRUGATED: 2-1/2 INCH NOMINAL CORRUGATION, PAINTED OR UNPAINTED

The General Services Administration has authorized the use of this commercial item description in preference to MIL-S-11207.

Abstract. This description covers painted or unpainted corrugated steel sheets for roofing (type I) and siding (type II).

Classification. The corrugated steel sheets shall be of the following types:

Type I - Roofing sheet, edges turned opposite.
Type II - Siding sheet, edges turned in same direction.

Salient characteristics

Design. Corrugations on the steel sheets shall be approximately parallel to each other and to the longitudinal edge of the sheet. All corrugated sheets shall nest when placed on top of one another and shall fit together when one sheet is overlapping another.

Material. Material for the corrugated steel sheets shall conform to ASTM A 366.

Corrugations. The corrugations of each sheet shall be the standard 2-1/2 inch nominal size, approximately 2-2/3 inches from center to center and approximately 1/2-inch deep.

Out-of-square. The ends of the corrugated steel sheets shall not be out-of-square more than 5/16-inch in the full width.

Covering width. The covering width of each corrugated sheet shall be 24 ±1 inches. The nominal 2-1/2 inch corrugation is 2.66 inches in actual width because nine corrugations measured 24 inches in cover width.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and other data which may improve this document should be sent to: CMDR, US ARMY AVIATION & TROOP CMD, ATTN AMSAV R EDS, 4300 GOODFELLOW BOULEVARD, ST LOUIS MO 63120-1798.

AMSC N/A FSC 9515

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Type I, roofing sheet. The type I roofing sheet shall be of the following dimensions and shall be corrugated with one longitudinal edge turned up and the other turned down.

a. Width. The width of the roofing sheet after corrugation shall be 27-1/2 inches with a tolerance of ±0 inch.

b. Length. The roofing shall be of the following lengths:

(1) 96 inches-tolerance +3/4-inch, -0 inch.
(2) 132 inches-tolerance +1-1/4 inch, -0 inch.
(3) 144 inches-tolerance +1-1/4 inch, -0 inch.

Type II, siding sheet. The type II siding sheets shall be corrugated with both longitudinal edges turned in the same direction.

a. Width. The width of the siding sheet after corrugation shall be 26 inches with a tolerance of +1/2 inch or -0 inch.

b. Length. The siding sheet shall be of the following lengths.

(1) 60 inches-tolerance +1/2 inch, -0 inch.
(2) 108 inches-tolerance +1 inch, -0 inch.
(3) 144 inches-tolerance +1-1/4 inch, -0 inch.

Thickness. The unpainted sheets shall be of the following nominal thickness:

a. 0.0149-inch (28 gage)
b. 0.0299-inch (22 gage)

Treatment and painting. When specified, the corrugated steel sheets shall be cleaned, treated, and painted in accordance with MIL-T-704. The top coat shall be the color and gloss as specified.

Finish
U - unpainted
P - painted

Salt resistance of coating. The coating applied in treatment and painting shall withstand 300 hours of salt fog treatment in accordance with ASTM B 117 without any visible deterioration of the film, or a lightening or darkening that exceeds more than 10 percent of the original reflectance.

Sand abrasion resistance of coating. The coating top coat shall withstand at least 20 liters of sand per mil of thickness when tested in accordance with ASTM D 968.

Workmanship. The corrugated sheets shall be free from laminations, slivers, open seams, mill scale, heavy rolled-in-scale, ragged edges, turned down corners, or other extraneous

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abrasions affecting appearance or serviceability. Painted sheets shall, in addition to the above, be free from blisters, pits, thin spots, runs, streaks, or abrasions, damaging to the coating.

Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this commercial item description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within specified tolerances using conversion tables contained in the latest revision of FED-STD-376, and all other requirements of this commercial item description are met. If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch/pound units, a request should be made to the contracting officer to determine if the product is acceptable. The contracting officer has the option of accepting or rejecting the product.

Quality assurance. The corrugated steel sheets shall be examined for the following defects. Presence of one or more defects shall be cause for rejection.

a. Nesting and overlapping not as specified (see 2.1).
b. Material not as specified.
c. Corrugations not as specified.
d. Sheet ends more than 5/16 inch out-of-square.
e. Covering width not as specified.
f. The dimensions for type I roofing sheet not as specified.
g. Edges for type I roofing sheet not turned in opposite direction.
h. The dimensions for type II siding sheet not as specified.
i. Edges for type II siding sheet not turned in same direction.
j. Thickness of unpainted sheets not as specified.
k. Treatment and painting, when specified, and color and gloss not as specified.
l. Salt resistance of coating not as specified.
m. Sand abrasion resistance of coating not as specified (see.
n. Workmanship not as specified.

Regulatory requirements. The offeror/contractor is encouraged to use recovered materials in accordance with Federal Acquisition Regulation, section 23.403 to the maximum extent practicable.

Preservation, packing, labeling, and marking. The preservation, packing, labeling, and marking shall be as specified in the contract or order.

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Notes. The procuring agency should specify the preferred options permitted herein and include the following information in procurement documents:

a. Title, number, and date of this item description.
b. Type, length, thickness, and finish.
c. Color and gloss required when paint finish is specified.
d. When the commercial item description is used for acquisition, the commercial item certification clause must appear in the solicitation.

Copies of FED-STD-376 and MIL-T-704 are available from: STDZN DCMNT ORDER DESK, BLDG 4D, 700 ROBBINS AVE, PHILADELPHIA PA 19111-5094.

Copies of ASTM A 366, B 117, and D 968 are available from: AMERCN SCTY FOR TEST & MTRLS, 1916 RACE STRET, PHILADELPHIA PA 19103.

CID based part identification number. The following part identification numbering procedure is for Government purposes and does not constitute a requirement for the contractor.

Part or identifying number (PIN). The PIN to be used for steel sheets acquired to this commercial item description are created as follows:

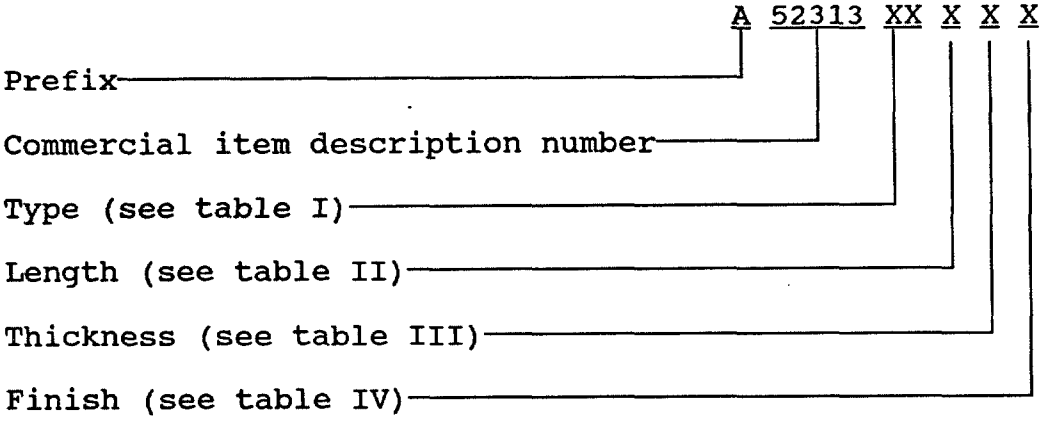

TABLE I. Code number for type.

Code Number	Type
I	I - Roofing sheet, edges turned opposites.
II	II - Siding sheet, edges turned in same direction.

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TABLE II. Code letter to length.

Code Letter	Length (inches)	Code letter to length
A	96	Applicable to type I
B	132	Applicable to type I
C	144	Applicable to type I & II
D	60	Applicable to type II
E	108	Applicable to type II

TABLE III. Code letter to length.

Code Letter	Length (inches)	Code letter to length
A		0.0149 inch (28 gauge)
B	132	0.0299 inch (22 gauge)

TABLE IV. Code letter to length.

Code letter	Finished
U	Unpainted
P	Painted

The following are suggested sources of supply for this item description (competition is not limited to these sources):

DANIEL & JONES SHEET METAL INC, 4811 W SLIGH AVE, TAMPA FL 33614
GEORGIA-PACIFIC CORP, BLDG PRODUCTS DIV, 133 PEACHTREE STRET, NE, ALTANTA GA 30303
R P S ENGRG, INC, 551 7 STEVENSON RD, S ELGIN IL 60177
FLEXOSPAN, 253 RICHARD STRET, P O BOX 515, SANDY LAKE PA 16145
JAMES RIVER STL INC, P O BOX 11498 T, RICHMOND VA 23230
SYRO STL CO, 1172 T N STATE STRET, RTE 422, GIRARD, OH 44420
CUSTOM ROLLED CORRGTD METL CO, 2775 GOODRICK AVE, RICHMOND CA 94801
POOLE ROOF & SHT METL CO, P O BOX 3048, GAINESVILLE FL 32602
CAMP ROOF & SHT METL, 1406 T MINNESOTA AVE, LYNN HAVEN FL 32444
LTV STEEL CO, 25 T W PROSPECT AVE, CLEVELAND OH 44115
NATL PRESSED STL CO, 28 T W VIRGINIA AVE, P O BOX 270, MEMPHIS TN 38101
WHEELING PITTSBURGH STL, 1134 T MARKET STRT, WHEELING WV 26003
TCR STL CO INC, 10100 PIONEER BLVD, STE 327, SANTA SPRINGS CA 90670
ASC PACIFIC INC, 2110 ENTRPRS BLVD, W SACRAMENTO CA 95691
GEORGE D WIDMAN INC, 17823 T EVELYN AVE, P O BOX 3230, GARDENIA CA 90247

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The preparing activity for this item description is: CMDR, US ARMY AVIATION & TROOP CMD, ATTN AMSAV R EDS, 4300 GOODFELLOW BOULEVARD, ST LOUIS MO 63120-1798.

MILITARY INTERESTS:

Custodians
Army - AV
Air Force - 99

Review activities
DLA - IS
Other - NS

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA - FSS

PREPARING ACTIVITY:
Army - AV

AGENT ACTIVITY - ARMY - ME

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