



CODE	DESCRIPTION	UTILISATION
AAMA		
AAMA 1503-09	Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections	This test method measures the thermal characteristics of windows, doors and glazed exterior wall sections under steady-state conditions. Specifically, measurements and calculations made using this procedure can be used to determine the thermal transmittance (air-to-air) or U-Factor, the air infiltration rate and/or the condensation resistance factor, hereafter called "CRF" for these products.
AAMA 609 & 610-15	Cleaning and Maintenance Guide for Architecturally Finished Aluminum	This guide outlines methods, equipment and materials applicable for cleaning architecturally finished aluminum after construction and for subsequent periodic maintenance. Methods outlined are intended for use on anodized or painted architectural products whether rolled or extruded shapes, including window and door frames, store fronts and entrances, curtain walls, mullions, columns, panels, hand rails, flag poles and hardware.
AAMA 611-14	Voluntary Specification for Anodized Architectural Aluminum	<p>This specification describes test procedures and requirements for architectural quality aluminum oxide coatings applied to aluminum extrusions and panels for architectural products.</p> <p>This guideline will permit the architect, owner and contractor to specify and obtain anodized aluminum finishes which will provide, with periodic maintenance, a superior level of performance in terms of film integrity, exterior weatherability, and general appearance for many years.</p> <p>Includes 4/2015 Errata.</p>
AAMA 701/702-11	Voluntary Specification for Pile Weatherstripping and Replaceable Fenestration Weatherseals	Guide to selecting pile weatherstrip and weatherseals used in windows and doors. Standards define requirements to restrict air and water infiltration.(editorially revised)
AAMA AFPA-1-15	Anodic Finishes/Painted Aluminum	Covers production, specification, testing and proper handling of all types of anodic finishes and organic coatings for architectural aluminum curtain walls and their components.



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AAMA BU-FINISH-2-17	Aluminum Finishing Documents Bundle	<p>This comprehensive aluminum finishing documents bundle includes all of the following documents (25% off the price compared to when purchased separately):</p> <ul style="list-style-type: none"> - AAMA 609 & 610-15 - AAMA 611-14 - AAMA 612-17 - AAMA 621-02 - AAMA 2603-17 - AAMA 2604-17 - AAMA 2605-17
AAMA CW-DG-1-96	Aluminum Curtain Wall Design Guide Manual	Provides information on specific aspects of aluminum curtain wall construction. Contents: types, design concerns, detail guidelines and testing.
AAMA SFM-1-14	Aluminum Storefront and Entrance Manual	<p>To provide up-to-date authoritative technical information in the belief that it will be of value not only to architects but to the architectural metals industry as well. Its ultimate aim is the promotion of good design practice, the use of quality materials and careful workmanship. The establishment of the adherence to appropriate standards in store front and entrance design will benefit all concerned; the architect, the manufacturer, the contractor and, most importantly, the building owner.</p> <p>Please note that this document is the same as the AAMA Volume #3 - ALUMINUM STOREFRONT & ENTRANCE.</p>
AAMA TIR-A2-76	Design Wind Loads for Aluminum Curtain Walls	Design Wind Loads for Aluminum Curtain Walls
AAMA VOL-2	Volume 2 - Metal Curtain Walls	Aluminum Curtain Wall Design Guides, Metal Curtain Wall Manual, Methods of Test, Technical Information Reports. CD purchases (new as of June, 2010) are a total savings of over 50% of the individual price of each document.
AAMA VOL-3	Aluminum Storefront & Entrance Manual	<p>A complete guide to the design and specification of aluminum storefront and entrance systems</p> <p>Please note that this document is the same as the AAMA SFM-1 - ALUMINUM STOREFRONT & ENTRANCE MANUAL.</p>
AASHTO		



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LRFD-US-6	LRFD Bridge Design Specification	Load and Resistance Factor Design for new bridges
HB-17	Standard Specifications for Highway Bridges	The design standards for the maintenance and rehabilitation of older, existing structures
ASTM		
A780/A780M-09(2015)	Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings	Coating Damage - Fracture - Hot-Dip Galvanizing - Hot-Dip Process - Installation, Maintenance And Repair - Repair - Zinc Coated - Zinc-Coated Steel Products
A36/A36M-12	Standard Specification for Carbon Structural Steel	Carbon steel shapes, plates, and bars of structural quality for use in riveted, bolted, or welded construction of bridges and buildings, and for general structural purposes.
A153/A153M-09	Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware	Corrosive Service Applications - Fasteners - Hot-Dip Galvanizing - Hot-Dip Process - Zinc Coated - Zinc-Coated Steel Products
A307-12	Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength	Bolts - Bolts, Screws And Studs - Carbon Steel - Chemical Composition - Steel - Studs - Tensile Strength
A325-14	Standard Specification for Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength (Withdrawn 2016)	Quenched and tempered steel heavy hex structural bolts having a minimum tensile strength of 120 ksi for sizes 1.0 in. and less and 105 ksi for sizes over 1.0 to 11/2 in., inclusive.
A449-10	Standard Specification for Hex Cap Screws, Bolts and Studs, Steel, Heat Treated, 120/105/90 ksi Minimum Tensile Strength, General Use	Bolts - Bolts, Screws And Studs - Carbon Steel - Hex Cap Screws - Quenching - Studs - Tempering - Tensile Strength - Weathering Steel



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A490-12	Standard Specification for Structural Bolts, Alloy Steel, Heat Treated, 150 ksi Minimum Tensile Strength	Quenched and tempered, alloy steel, heavy hex structural bolts having a tensile strength of 150 to 173 ksi
A709/A709M-13a	Standard Specification for Structural Steel for Bridges	Atmospheric Corrosion Resistance - Bars, Rods And Rebars - Bridges - Carbon Steel - Corrosion Resistance - High-Strength Low-Alloy Steel - Hsla Steel - Plates - Quenching - Steel Bars - Steel Plates - Structural Steel - Tempering
B22-13	Standard Specification for Bronze Castings for Bridges and Turntables	Bronze castings for turntables, movable bridges and bridge parts, and bronze castings suitable for use in bridges and other structures for fixed and expansion bearings in which motion is slow and intermittent
B26/B26M-12	Standard Specification for Aluminum-Alloy Sand Castings	Aluminum Alloy Castings - Aluminum Alloys - Castings - Sand Casting
B108/B108M-12	Standard Specification for Aluminum-Alloy Permanent Mold Castings	Aluminum Alloy Castings - Aluminum Alloys - Castings - Permanent Mold Casting
B121/B121M-11	Standard Specification for Leaded Brass Plate, Sheet, Strip, and Rolled Bar	Bars And Rods - Copper Alloy Plates - Copper Alloy Sheets - Copper Alloy Strips - Leaded Brass - Plates And Disks - Rolled Copper Alloy Bars - Sheet, Strips And Coils
B209-10	Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate	Aluminum - Aluminum Alloy Plates - Aluminum Alloy Sheets - Aluminum Alloys - Plates - Sheet, Strips And Foils
B210	Standard Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes	Drawn Seamless Aluminum Alloy Tubes for General Purpose & Pressure Applications.



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B211	Standard Specification for Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire	Extruded Aluminum Alloy Tubes for General Purpose Applications.
B211-12	Standard Specification for Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire	Aluminum - Aluminum Alloys - Bars And Rods - Rolled Aluminum Alloy Bars - Rolled Aluminum Alloy Rods - Rolled Aluminum Alloy Wires - Wires
B221-13	Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes	Aluminum - Aluminum Alloys - Bars And Rods - Extruded Aluminum Alloy Bars - Extruded Aluminum Alloy Profile - Extruded Aluminum Alloy Rods - Extruded Aluminum Alloy Tubes - Extruded Aluminum Alloy Wires - Profiles - Seamless Pipes And Tubes - Wires
B234	Standard Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers	Drawn Seamless Aluminum Alloy Tubes for Condensers & Heat Exchangers.
B235 REPLACÉ PAR B221	Specification for Aluminum Alloy Extruded Tubes (Withdrawn 1962)	Aluminum Alloy Extruded Tubes.
B241	Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube	Seamless Extruded Aluminum Alloy Pipe & Tube for General Purpose & Pressure Applications.
B247-15	Standard Specification for Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings	Aluminum - Aluminum Alloy Forgings - Aluminum Alloys - Die Forging - Forging - Forgings - Hand Forging - Rolled Ring Forging
B308/B308M-10	Standard Specification for Aluminum-Alloy 6061-T6 Standard Structural Profiles	Aluminum Alloy Angles - Aluminum Alloy Beams - Aluminum Alloy Channels - Aluminum Alloy Tees - Aluminum Alloy Zees - Aluminum-Magnesium-Silicon Alloys - Angles - Beams - Channels - Tees/Zees
B313	Standard Specification for Aluminum and Aluminum-Alloy Round Welded Tubes	Aluminum Alloy Round Welded Tubes
B317	Standard Specification for Aluminum-Alloy Extruded Bar, Rod, Tube, Pipe, Structural Profiles, and Profiles for Electrical Purposes (Bus Conductor)	Extruded Aluminum Alloy Pipe for Electrical Bus Conductors.
B345	Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems	Seamless Extruded Aluminum Alloy Tubes & Pipe for Gas & Oil Transmission and Distribution Piping Systems.



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B404	Standard Specification for Aluminum and Aluminum-Alloy Seamless Condenser and Heat-Exchanger Tubes with Integral Fins <i>(Withdrawn 2006)</i>	Seamless Aluminum Alloy Condenser & Heat Exchanger Tubes with Integral Fins.
B429/B429M-10	Standard Specification for Aluminum-Alloy Extruded Structural Pipe and Tube	Pipe and tube is intended for use in structural applications such as highway and bridge rails, chain-link fence posts, handrails, sign structures, awning supports, lighting brackets
B483	Standard Specification for Aluminum and Aluminum-Alloy Drawn Tube and Drawn Pipe for General Purpose Applications	Drawn Aluminum Alloy Tubes for General Purpose Applications.
B491	Standard Specification for Aluminum and Aluminum-Alloy Extruded Round Tubes for General-Purpose Applications	Extruded Round Coiled Aluminum Alloy Tubes for General Purpose Applications.
B547	Standard Specification for Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube	Aluminum Alloy Formed and Arc Welded Round Tube.
B746/B746M-02	Standard Specification for Corrugated Aluminum Alloy Structural Plate for Field-Bolted Pipe, Pipe-Arches, and Arches	Aluminum Alloy Arch Pipes - Aluminum Alloys - Corrugated Aluminum Alloy Plates - Corrugated Pipes And Tubes - Culverts - Drainage Piping - Fasteners - Pipe Arches - Sewer Pipes - Tubular Products
B928/B928M-13	Standard Specification for High Magnesium Aluminum-Alloy Sheet and Plate for Marine Service and Similar Environments	Corrosive Service Applications - Hull Structures - Hulls Structure Elements - Magnesium Alloy Plates - Magnesium Alloy Sheets - Magnesium-Aluminum Alloys - Marine Applications - Marine Engineering - Plates And Disks - Sheet, Strips And Coils
AWS		

CODE	DESCRIPTION	UTILISATION
A5.10/A5.10M:1999(R2 007)	SPECIFICATION FOR BARE ALUMINUM AND ALUMINUM-ALLOY WELDING ELECTRODES AND RODS (HISTORICAL)	Classification of bare, wrought and cast aluminum-alloy electrodes, and rods for use with the gas metal arc, gas tungsten arc, oxyfuel gas, and plasma arc welding processes
D1.2/D1.2M:2014	STRUCTURAL WELDING CODE -ALUMINUM	Welding requirements for any type structure made from aluminum structural alloys
D17.3/D17.3:2016	SPECIFICATION FOR FRICTION STIR WELDING OF ALUMINUM ALLOYS FOR AEROSPACE APPLICATIONS	General requirements for the friction stir welding of aluminum alloys for aerospace applications
CNMQ 2015	Code national du bâtiment - Canada 2015	Il renferme les dispositions techniques concernant la conception et la construction de bâtiments neufs. Il s'applique aussi à la transformation, au changement d'usage et à la démolition des bâtiments existants.
CSA		
C22.2 NO. 206-13	Lighting poles	Free-standing poles of ferrous metal, aluminum, polymeric, concrete, and wood, and to their accessories, for use in the support of lighting equipment. Poles used for the support of lighting equipment, such as luminaires, electric signs, and traffic lights.

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G40.20-13/G40.21-13	Exigences générales relatives à l'acier de construction laminé ou soudé/Acier de construction	Tôles fortes, profilés, aux tôles, palplanches, profilés en C formés à froid, profilés de charpente creux, profilés en Z et barres en acier de construction
S157-F05/S157.1-F05 (C2015)	Calcul de la résistance mécanique des éléments en aluminium	Énonce des exigences spécifiques aux bâtiments et les coefficients de charge et de tenue en service donnés doivent servir au calcul des composants d'éléments des bâtiments.
W47.2-11 (R2015)	Certification des compagnies de soudage par fusion de l'aluminium	Soudage par fusion de l'aluminium, qualification du personnel exécutant des soudures et modes opératoires de soudage
W59.2-M1991 (R2013)	Construction soudée en aluminium	Soudage à l'arc sous gaz avec fil plein (GMAW), soudage à l'arc sous gaz avec électrode de tungstène (GTAW), soudage plasma (PAW) et le soudage des goujons en utilisant les procédés de soudage à l'arc et de soudage avec décharge de condensateurs
W178.2-14	Qualification des inspecteurs en soudage	Qualification des inspecteurs en soudage (responsabilités et fonctions techniques)

CODE	DESCRIPTION	UTILISATION
Z782-F06	Lignes directrices pour la conception en vue du désassemblage et de l'adaptabilité dans les bâtiments	Réduction des répercussions économiques, environnementales et sociales négatives des activités de construction de bâtiments par la mise en application des principes de conception en vue du désassemblage et de l'adaptabilité (CDA)
ISO		
ISO 25239-1:2011	Soudage par friction-malaxage — Aluminium — Partie 1: Vocabulaire	Définit les termes relatifs au soudage par friction-malaxage
ISO 25239-2:2011	Soudage par friction-malaxage — Aluminium — Partie 2: Conception des assemblages soudés	Spécifie les exigences de conception relatives aux assemblages soudés par friction-malaxage
ISO 25239-3:2011	Soudage par friction-malaxage — Aluminium — Partie 3: Qualification des opérateurs soudeurs	Spécifie les exigences relatives à la qualification des opérateurs soudeurs pour le soudage par friction-malaxage de l'aluminium
ISO 25239-4:2011	Soudage par friction-malaxage — Aluminium — Partie 4: Descriptif et qualification des modes opératoires de soudage	Spécifie les exigences relatives au descriptif et à la qualification des modes opératoires de soudage pour le soudage par friction-malaxage de l'aluminium
ISO 25239-5:2011	Soudage par friction-malaxage — Aluminium — Partie 5: Exigences de qualité et de contrôle	Spécifie une méthode permettant de déterminer l'aptitude d'un fabricant à utiliser le procédé de soudage par friction-malaxage pour la fabrication de produits ayant la qualité spécifiée. Elle spécifie des exigences de qualité, mais n'assigne pas ces exigences à un groupe spécifique de produits
THE ALUMINUM ASSOCIATION		
AAIA-OL	Aluminum and Its Alloys	The properties of aluminum and its alloys which give rise to their widespread usage, with particular emphasis on manufacturability, recyclability, and corrosion resistance, are briefly described in this report. The designation system by which alloys are classified is also described, and references are provided for the reader who may desire more detailed information
ABD	Aluminum by Design, 2000	Aluminum By Design traces aluminum from its first use as a precious metal in the 19th century through its evolving role in daily life and explores how its unique properties inspired designers of furniture, jewelry, architecture, fashion and consumer and industrial products
ADM2015OL	2015 Aluminum Design Manual	Strength design and load and resistance factor design aluminum Specification
ANSIH35.113OL	ANSI H35.1/H35.1M-2013 Temper Designation	Standard Alloy & Temper Designation Systems for Aluminum supersedes



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ANSIH35.2M13OL	ANSI H.35 2(M)-2013 Alum. Mill METRIC	Standard Dimensional Tolerances for Aluminum Mill Products (Metric version) supersedes (column headings and pipe size units for extruded and drawn pipe)
ANSIH35.2US13OL	ANSI H35.2-2013 Aluminum Mill Products	Standard Dimensional Tolerances for Aluminum Mill Products supersedes (column headings and pipe size units for extruded and drawn pipe)
ANSIH35.313OL	ANSI H35.3-1997 (R2013) Aluminum Hardeners	Standard Designation System for Aluminum Hardeners reaffirms
ANSIH35.413OL	ANSI H35.4-2006 (R2013) Unalloyed Aluminum	tandard Designation System for Unalloyed Aluminum reaffirms
ANSIH35.513OL	ANSI H35.5-2013 Metal Matrix Composite	Standard Nomenclature System for Aluminum Metal Matrix Composite Materials
ASD2013METOL	Aluminum Standards & Data, 2013 Metric	Aluminum characteristics, alloy and temper designations, mill product specifications, nominal composition , Typical mechanical and physical properties, density calculation procedure, comparative characteristics and application, fabrication/ heat treatments of wrought aluminum and wrought aluminum alloy products quality control and guidelines for testing, inspection, and identification terminology associated with wrought aluminum products standard limits for chemical composition, mechanical properties, physical properties and dimensional tolerances for wrought aluminum mill products; Designations for clad products; chemical composition limits chemical composition, limits, mechanical property limits, dimensional tolerances, and other data classified by product form
ASD2013USOL	Aluminum Standards & Data, 2013 US	Aluminum characteristics, alloy and temper designations, mill product specifications, nominal composition , Typical mechanical and physical properties, density calculation procedure, comparative characteristics and application, fabrication/ heat treatments of wrought aluminum and wrought aluminum alloy products quality control and guidelines for testing, inspection, and identification terminology associated with wrought aluminum products standard limits for chemical composition, mechanical properties, physical properties and dimensional tolerances for wrought aluminum mill products; Designations for clad products; chemical composition limits chemical composition, limits, mechanical property limits, dimensional tolerances, and other data classified by product form

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ASD2017USOL	Aluminum Standards & Data, 2017 US	<p>The book is divided into three parts distinguished by their page colors: blue, yellow and white</p> <p>The blue section contains information on aluminum characteristics, alloy and temper designations, mill product specifications, nominal composition, typical mechanical and physical properties, density calculation procedure, comparative characteristics and application, fabrication/ heat treatments of wrought aluminum and wrought aluminum alloy products, and quality control and guidelines for testing, inspection, and identification.</p> <p>The yellow section lists the terminology associated with wrought aluminum products.</p> <p>The white pages cover standard limits for chemical composition, mechanical properties, physical properties and dimensional tolerances for wrought aluminum mill products; designations for clad products and chemical composition limits for aluminum mill products.</p>
CA-92OL	Care of Aluminum, 2008 ONLINE	<p>Details cleaning methods for mill-finished, anodized, chemical-coated, painted, porcelain enameled, plated and laminated aluminum finishes. It includes applications for architecture, transportation and home use. Also lists products, and manufacturers of products, for the care of aluminum, such as abrasive cleaners, etching cleaners, solvent and emulsion cleaners, clear organic coatings, mastic coatings, protective tapes and waxes and wipe-on coatings</p>
CFC-60 OL	Guidelines - Use of Alum. with Food & Chemicals OL	<p>Provides a concise guide to the behavior of aluminum with a wide variety of food and chemicals.</p>
DSE-OL	Drafting Standards for Aluminum Extruded Product	<p>Certain basic methods of dimensioning are important to enable the extruder to maintain reasonable efficiency in the manufacture of extrusion tools and in the inspection of extruded material. Adoption of these dimensioning methods by the customer will help insure that the extruder will obtain a suitable and economically produced product.</p>
F-1-3ED-OL	Guidelines for Handling Aluminum Fines, 2015 OL	<p>Guidance document includes discussion of dust sampling considerations, fire and explosion prevention strategies, engineering and administrative dust management controls, firefighting protocols, and management systems development. A must read for anyone responsible for managing dust in the aluminum environment.</p>
FDM-15	Aluminum Forging Design Manual, 1995	<p>A technical guide to the design of aluminum die forgings, it includes chapters on die design, tolerances for die forgings and forging drafting conventions. Numerous, detailed drawings are included.</p>

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GMA-69	Guidelines for Handling Molten Aluminum, 2016	Reduce the potential hazards in management of molten aluminum throughout the charging, melting, transferring, and casting processes
GY-1-OL	GRAY SHEETS - 2014 Aluminum Hardeners	Chemical composition limits and color codes for aluminum hardeners registered in accordance with the International Designation System for Aluminum Hardeners
LTG-1OL	LT GREEN SHEETS - Comp. Clad Alum. Alloy Prod. OL	Clad aluminum alloy products
OR-1OL	GOLD SHEETS - Unalloyed Aluminum	Chemical composition limits for unalloyed aluminum referenced in a number of standards and specifications worldwide
PK-1OL	PINK SHEETS - Casting and Ingot	Chemical composition limits for aluminum alloys in the form of castings and ingot
QCA-1	Visual Quality Char. - Aluminum Sheet & Plate	A pictorial publication which sets the correct terminology and definitions of cause for the attributes discussed. Two separate indexing systems for more than 150 attributes help the user identify the visual quality aspect being sought.
QCA-2	Visual Quality Characteristics of Alum Extrusions	This publication sets the preferred terms and definitions of cause for the visual quality attributes of aluminum extrusions along with some illustrations.
RAFM-OL	Rolling Aluminum From the Mine Through Mill OL	This publication was developed for educational purposes and provides a broad description of how aluminum sheet and plate fabricated products are manufactured in an aluminum sheet mill.
SPC-1808OL	Standards - Sand & Perm. Mold Casting, 2008	Chemical compositions and physical and mechanical properties
SUP-1	Understanding Aluminum Extrusion Tolerances,1995	Tolerances for aluminum alloy extrusions
TAN1-OL	TAN SHEETS - Tempers for Alum & Alum Alloy	Tempers for aluminum and aluminum alloy products mechanical property data and other metallurgical characteristics specific to the alloy-temper combinations
TEAL-1OL	TEAL SHEETS - Wrought Aluminum 2015	Chemical composition limits for wrought aluminum and wrought aluminum alloys
TR-3OL	Guidelines for Minimizing Water Staining, 2009 OL	Describes how proper shipping, handling and storing procedures can minimize water staining. Covered are: causes of water stains; packaging recommendations; inspection procedures; and recommendations for the prevention of stains. A "Dew Point Calculator Table" is featured, showing under what conditions water will condense on metal, increasing the possibility of staining. Also included are lists of instrument suppliers, manufacturers of moisture indicating labels, and suppliers of water stain preventatives.
TH-56	Aluminum Electrical Conductor Handbook, 1989	Electrical uses of aluminum, including bare, covered and insulated wire and cable
YL1-OL	YELLOW SHEETS - Tempers Alum./Alloy Prod.	Tempers for aluminum and aluminum alloy products mechanical property data and other metallurgical characteristics specific to the alloy-temper combinations