

Light Steel Framing

SPECIFICATION FOR LIGHT WEIGHT STEEL FRAMING

ASTM STANDARDS:

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1) STANDARD SPECIFICATION FOR STEEL SHEET, ZINC-COATED (GALVANIZED) BY THE HOT-DIP PROCESS,
2) STANDARD SPECIFICATION FOR THE APPLICATION AND FINISHING OF GYPSUM BOARD.
3) STANDARD SPECIFICATION FOR THE INSTALLATION OF INTERIOR LATHING, FURRING,
4) STANDARD SPECIFICATION FOR THE APPLICATION OF INTERIOR GYPSUM PLASTER.
5) STANDARD SPECIFICATION FOR THE APPLICATION OF PORTLAND CEMENT BASED PLASTER.
6) STANDARD SPECIFICATIONS FOR LOAD BEARING (TRANSVERSE AND AXIAL) STEEL STUDS, RUNNERS (TR.
8) STANDARD SPECIFICATION FOR THE INSTALLATION OF LOAD BEARING (TRANSVERSE AND AXIAL) STEEL ST

SPECIFICATIONS:

9) AMERICAN IRON AND STEEL INSTITUTE (AISI) COLD-FORMED STEEL DESIGN MANUAL", LATEST EDITION,
10) AMERICAN WELDING SOCIETY (AMS): STRUCTURAL WELDING CODE (D1.1 SPECIFICATION FOR WELDING:
11) MUITARY SPECIFICATION (MIL-SPEC) MIL-P-21035. PAINT, HIGH ZINC DUST CONTENT, GALVANIZING R
12) FEDERAL SPECIFICATIONS (FED. SPEC.) FF-P-395...PIN, DRIVE, GUIDED AND PIN DRIVE, POWER ACTUEXPANSION; AND NAIL DRIVE SCREW (DEVICES, ANCHORING MASONRY).

13) ALL STUDS AND ACCESSORIES SHALL BE OF THE TYPE, SIZE, STEEL THICKNESS AND SPACING SHOWN

SPECIFICATION C-955.

14) ALL GALVANIZED STUDS AND ACCESSORIES, (.0566" Unick) 16GA OR HEAVER, SHALL BE FORMED FR. THE AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS". LATESF EDITION AS ALL GALVANIZED STUDS AND ACCESSORIES, (.0451" Unick) 18GA, 20 OR LESS, SHALL BE FORMED AS SET FORTH IN AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED FEEL STRUCTURAL MEMBERS. THE DESIGN OF COLD-FORMED STUDS AND ACCESSORIES, 20GA, SHALL BE FORMED FROM STEEL STRUCTURAL MEMBERS. THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS". LATEST EDITION (1989 ADDENDUM).

17) ALL GALVANIZED STUDS AND ACCESSORIES SHALL HAVE A MINIMUM G-60 COATING.

18) PHYSICAL PROPERTIES AND ALLOWABLE LOAD CAPABILITIES OF MEMBERS SHALL BE DEVELOPED IN ACCESSORIES, LATEST EDITION (1989 ADDENDUM).

19) IN ACCORDANCE WITH AISI REGIO COLLATERAL ELECTRIC MATERIAL ATTICATED. TO MORE DEVELOPED IN ACC

19) IN ACCORDANCE WITH AISI RIGID COLLATERAL FACING MATERIAL ATTACHED TO MON BEARING WALLS MA 20) PERFORATIONS WILL BE ALLOWED IN WEB OF STUDS ONLY, AT A MINIMUM EDGE DISTANCE OF 2'-0".

EXECUTION:

21) PRODUCTS SHALL BE PROTECTED FROM CONDITIONS THAT WAY CAUSE ANY PHYSICAL DAMAGE.
22) MATERIALS SHALL BE STORED ON A FLAT PLANE.

23) IT SHALL BE THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER OR THEIR APPOINTED PE SHALL BE REMOVED FROM THE JOB SITE MUMEDIATELY.

INSTALLATION: GENERAL

24) METHODS OF CONSTRUCTION MAY BE EITHER PIECE (STICK-BUILT), OR BY FABRICATION INTO PANEL E 25) CONNECTIONS SHALL BE ACCOMPLISHED WITH SELF-DRILLING SCREWS OR WELDING SO THAT THE 26) TRANSVERSELY LOADED STUDS NEED NOT SIT SOLVERELY IN TRACKS BUT MAY BE ATTACHED TO THEM 26) TRANSVERSELY LOADED STUDS NEED NOT SIT SOLVERELY IN TRACKS BUT MAY BE ATTACHED TO THEM

20) INDIVERSELY LOADED STUDS NEED NOT SIT SQUARELY IN TRACKS BUT MUST BE ATTACHED TO THEM 27) AXAILY LOADED STUDS SHALL BE INSTALLED. SEATED SQUARELY (WITHIN 1/16*) AGAINST THE WEB PO 28) CUTTING OF STEEL FRAMING MEMBERS MAY BE ACCOMPLISHED WITH A SAW OR SHEAR. TORCH CUTTIN UNDER SUPERVISION OF THE PROCECT ENGINEER. 29) UTULZE TEMPORARY BRACING AS REQUIRED AND KEEP IN PLACE UNTIL WORK IS PERMANENTLY STABILL 30) BRIDGING SHALL BE OF SIZE AND TYPE SHOWN ON THE ATTACHED SKETCHED SHEATHING MATERIALS MAY BE SUBSTITUTED FOR BRIDGING AT NON BEARING WALLS 31) DIAPHRAGM RATED SHEATHING MATERIALS MAY BE SUBSTITUTED FOR BRIDGING AT NON BEARING WALLS 32) INSTALL MEADERS IN ALL OPENINGS IN AVAILABLE WALLS THAT ARE LABORD THAT BE STORED.

31) DIAPHRAGM RATED SHEATHING MATERIALS MAY BE SUBSTITUTED FOR BRIDGING AT NON BEARING WALLS 32) INSTALL HEADERS IN ALL OPENINGS IN AXVALLY LOADED WALLS THAT ARE LARGER THAN THE STUD SPA 33) INSULATION COURL TO THE JOB REQUIREMENTS SHALL BE INSTALLED INTO ALL JAMBS, HEADERS, AND 134) PROVADOE JACK STUDS TO SUPPORT EACH END OF HEADERS. THESE STUDS SHALL BE CONNECTED TO 135) IF BY DESIGN, A HEADER IS LOW IN THE WALL, THE LESS THAN FULL—HEIGHT STUDS (CRIPPLES) THAT 36) WALL TRACK SHALL NOT BE USED TO SUPPORT ANY LOAD UNLESS SPECIFICALLY DESIGNED FOR THAT 137) ALL AXVALLY LOADED MEMBERS SHALL BE ALIGNED VERTICALLY ALONG THE WEB AND FLANGES, TO ALLO FLOOR/WALL INTERSECTIONS OR ALTERNATE PROVISIONS FOR THE LOAD TRANSFER MAY BE MADE. 38) HOLES THAT ARE FIELD CUT INTO STEEL FRAMING MEMBERS SHALL BE WITHIN LIMITATIONS OF THE PRO ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND APPROVED BY PROJECT ARCHITECT OR EN 39) TOUCH UP ALL STEEL BARED BY WELDING USING ZING RICH PAINT.

39) TOUCH UP ALL STEEL BARED BY WELDING USING ZINC RICH PAINT.
40) STUDS SHALL BE SPACED TO SUIT THE DESIGN REQUIREMENTS AND LIMITATIONS OF COLLATERAL FACING HILL GROWN BOARD SHALL BE ATTACHED IN SIEEL STUDS IN ACCORDANCE WITH ASTM SPECIFICATIONS C-B THAN 8° ON CENTER AT THE EDGES AND ENDS, AND NOT MORE THAN 12° ON CENTER, IN THE FIELD OF THE ALL PLASTER BASES SHALL BE ATTACHED, IN ACCORDANCE WITH ASTM SPECIFICATION C-841, EXCEP 43) CARE SHOULD BE TAKEN TO ALLOW FOR ADDITIONAL STUDS AT INTERSECTIONS, CORNERS, DOORS, WIND 44) PROVISIONS FOR STRUCTURE MOVEMENT (EXPANSION) SHALL BE ALLOWED WHERE INDICATED AND NECESS 45) SPUCING OF AXALLY LOADED MEMBERS SHALL NOT BE PERMITTED.

INSTALLATION: PANELIZED CONSTRUCTION:

47) PANELS SHALL BE DESIGNED TO RESIST CONSTRUCTION AND HANDLING LOADS AS WELL AS LOADS REOU 48) HANDLING AND LIFTING OF PREFABRICATED PANELS SHALL NOT CAUSE PERMANENT DISTORTION IN ANY M 49) MAKE ALL STUD TO TRACK CONNECTIONS PRIOR TO HOISTING OF PANEL.

50) WHERE SPUCING OF TRACK IS NECESSARY BETWEEN STUD SPACING, A PIECE OF STUD SHALL BE PLACE 51) COMPLETE BEARING SHALL BE MAINTAINED UNDER TRACKS TO PROVIDE FOR LOAD TRANSFER IN AXIALLY

52) ATTACHMENT OF THE PANEL TO THE STRUCTURE SHALL BE AS SHOWN ON THE DRAWINGS.
53) ALIGN ALL PANEL TO PROVIDE CONTINUITY OF ANY WALL/FLOOR SURFACE.
54) INSTALLATION: NON-PANELYZED (STICK-BUILT) CONSTRUCTION

55) ALION TRACK ACCURATELY AT SUPPORTING STRUCTURE AND FASTEN TO STRUCTURE AS SHOWN ON THE 1

56) TRACK INTERSECTIONS SHALL BUTT EVENLY.
57) STUDS SHALL BE PLUMBED, ALIGNED, AND SECURELY ATTACHED TO FLANGES OR WEBS OF UPPER AND L 58) WHERE SPLICING OF TRACK IS NECESSARY BETWEEN STUD SPACING, A PIECE OF STUD SHALL BE PLACE, 59) COMPLETE BEARINGS SHALL BE MAINTAINED UNDER TRACKS TO PROVIDE FOR LOAD TRANSFER IN AXALL RESPONSIBILITY TO INSURE THAT BEARING CRITERIA ARE MET. ANY DISCREPANCY SHALL BE BROUGHT TO TO

FASTENINGS AND ATTACHMENTS:
60) ANCHORAGE OF THE TRACKS TO THE STRUCTURE SHALL BE WITH METHODS DESIGNED FOR THAT SPECIFIC
61) WELDS SHALL CONFORM TO THE REQUIREMENTS OF AWS DT.1, AWS DT.3, AND ASS MANUAL SECTION 4.2
BY, AND WITHIN THE DESIGN CALCULATIONS. ALL WELDS. SHALL BE TOUCHED UP USING ZINC RICH PAINT.
62) STEEL DRILL SCREWS SHALL BE OF THE MINIMUM DIAMETER INDICATED BY THE DESIGN OF THAT PARTICULATIONS.

63) SCREWS SHALL HAVE A PROTECTIVE COATING AT LEAST EQUIVALENT TO CADMIUM PLATING (ASTM A-165 T