

## COLD FORMED LIGHT GAGE STEEL

- COLD-FORMED STEEL STRUCTURAL MEMBERS, ROOF FRAMING AND BEARING WALLS WHERE INDICATED ON THE DRAWINGS USE COLD-FORMED STEEL SHAPES IN ACCORDANCE WITH THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA). DESIGNATIONS USED ON PLANS ARE SSMA DESIGNATIONS.
- ALL STUDS AND/OR JOISTS AND ACCESSORIES SHALL BE OF THE TYPE, SIZE, GAUGE AND SPACING SHOWN ON THE DRAWINGS, AND SHALL BE MANUFACTURED IN COMPLIANCE WITH SSMA REQUIREMENTS.
- ALL FRAMING MEMBERS SHALL BE FORMED FROM ASTM A653 50 HOT-DIPPED GALVANIZED STEEL WITH A MINIMUM ZINC COATING OF 0.016 INCHES PER SQUARE FOOT. ALL STUDS AND/OR JOISTS FOR S-SECTIONS 54 MILS OR THINNER AND 50 KS SHALL BE USED FOR ALL CLASS GALVANIZED FINISH. ALL MEMBERS SHALL HAVE ASTM A924 G-60 COATING CLASS GALVANIZED FINISH.
- ROOF PURLINS SHALL BE OF THE TYPE, SIZE, GAUGE AND SPACING SHOWN ON THE DRAWINGS AND SHALL BE IN ACCORDANCE WITH THE LIGHT GAGE STRUCTURAL STEEL FRAMING SYSTEM DESIGN HANDBOOK, OR EQUAL. ALL PURLINS SHALL BE FORMED FROM ASTM A653 50 HOT-DIPPED GALVANIZED STEEL WITH A MINIMUM ZINC COATING OF 0.016 INCHES PER SQUARE FOOT. ALL MEMBERS SHALL HAVE ASTM A924 G-60 COATING CLASS GALVANIZED FINISH.
- SHOP DRAWINGS, PRIOR TO FABRICATION OF FRAMING, THE CONTRACTOR SHALL SUBMIT FABRICATION AND ERECTION DRAWINGS TO THE ARCHITECT/ENGINEER FOR APPROVAL. SHOP DRAWINGS SHALL SHOW AND SUB-CRACKING SHALL SUPPLY ALL NECESSARY DIMENSIONS, FASTENERS AND OTHER ITEMS TO PRODUCE A COMPLETE STRUCTURE.
- ALL COLD-FORMED STEEL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE SSMA DESIGN HANDBOOK, LATEST EDITION. "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.
- FASTEN COLD FORMED METAL FRAMING MEMBERS AND ACCESSORIES TO EACH OTHER WITH SELF-DRILLING SCREWS OR BY WELDING. SCREWS SHALL BE BULDEX D1.3-B9. CARE SHALL BE TAKEN TO NOT BURN THROUGH METAL WHEN WELDING COLD FORMED MEMBERS. ALL WELDS SHALL BE TOUCHED UP WITH ZINC RICH PAINT.
- WATER COLD FORMED METAL FRAMING MEMBERS AND ACCESSORIES TO CONCRETE SHALL BE FASTENED TO CONCRETE WITH HILTI ENKE-20-S12 POWER ACTUATED FASTENERS, OR EQUAL.
- ALL WELDING OF LIGHT GAGE MEMBERS SHALL BE IN ACCORDANCE WITH AWS D1.3-B9. CARE SHALL BE TAKEN TO NOT BURN THROUGH METAL WHEN WELDING COLD FORMED MEMBERS. ALL WELDS SHALL BE TOUCHED UP WITH ZINC RICH PAINT.
- BEARING WALLS: RESISTANCE TO BENDING AND ROTATION ABOUT THE MINOR AXIS SHALL BE PROVIDED BY THE MANUFACTURER'S RECOMMENDATIONS. DO NOT APPLY ANY LOADS TO THE BEARING WALLS UNTIL THE CHANNEL BRACING HAS BEEN INSTALLED.

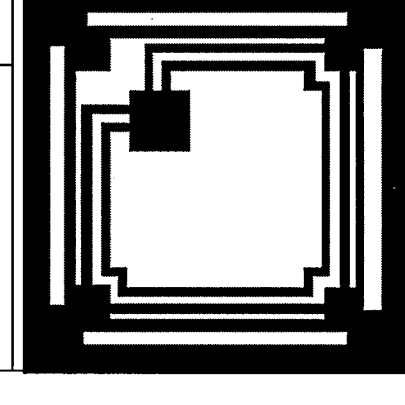
## EQUIVALENT GAGE/MIL THICKNESS

MINIMUM THICKNESS (MILS)	REFERENCE ONLY GAGE NUMBER
18	25
20	25
30	20 - EXYWALL
33	20 - STRUCTURAL
43	18
54	16
68	14
97	12

## LIGHT GAGE TRUSS NOTES

- TRUSS MANUFACTURER SHALL BE APPROVED BY THE ARCHITECT/ENGINEER AND SHALL FURNISH ALL NECESSARY SHOP DRAWINGS AND MANUFACTURING INFORMATION SHOWN ON DRAWINGS AND AS SPECIFIED. TRUSSES SHALL BE MANUFACTURED IN ACCORDANCE WITH THE INFORMATION PROVIDED IN THE FINAL APPROVED TRUSS DESIGN DRAWINGS.
- TRUSSES SHALL BE DESIGNED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF TEXAS.
- DESIGN LOADS:  
LIVE 20 PSF  
DEAD 10 PSF (TOP CHORD)  
15 PSF (BOTTOM CHORD)  
UPLIFT 5 PSF (TOP CHORD)
- DEFLECTION SHALL BE LESS THAN L/260 FOR COMBINED TOTAL LOAD.
- TRUSS MANUFACTURER SHALL DESIGN TRUSSES FOR ALL "COMPONENTS AND CLADDING" WIND LOADS PER ASCE 7 FOR THE LOCATION ON THE ROOF THE TRUSSES ARE TO BE INSTALLED.
- TRUSS MANUFACTURER SHALL FURNISH TRUSS DESIGN DRAWINGS PREPARED IN ACCORDANCE WITH THE STATUTES AND REGULATIONS OF THE STATE WHERE THE TRUSSES ARE TO BE MANUFACTURED. TRUSS DESIGN DRAWINGS SHALL INCLUDE CONFIGURATIONS, MATERIAL SPECIFICATIONS, AND COMPLETE CALCULATIONS SEALED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF TEXAS.
- TRUSS MANUFACTURER SHALL FURNISH A TRUSS PLACEMENT PLAN THAT SHALL PROVIDE AT A MINIMUM THE LOCATION ASSUMED FOR EACH TRUSS BASED ON THE TRUSS MANUFACTURER'S INTERPRETATION OF THE CONSTRUCTION DESIGN DOCUMENTS.
- ALL TRUSS DESIGN DRAWINGS, TRUSS PLACEMENT PLANS, AND SEALED CALCULATIONS SHALL BE REVIEWED BY THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE MANUFACTURING OF THE TRUSSES.
- MEMBERS USED SHALL BE OF THE TYPE AND GRADE IN ACCORDANCE WITH THAT SHOWN ON THE TRUSS DESIGN DRAWINGS.
- TRUSSES SHALL BE HANDLED, CURVED, MANUFACTURING, DELIVERY, AND BY THE CONTRACTOR AT THE JOB SITE SO AS NOT TO BE SUBJECTED TO EXCESSIVE BENDING.
- HANDLING, ERECTION, AND TEMPORARY BRACING OF THE TRUSSES SHALL BE PERFORMED IN A GOOD WORKMANLIKE MANNER. TRUSSES SHALL BE SET AND SECURED LEVEL AND PLUMB AND IN CORRECT LOCATION.
- APPARENT DAMAGE TO TRUSSES, IF ANY, SHALL BE REPORTED TO THE TRUSS MANUFACTURER PRIOR TO ERECTION.
- TRUSSES SHALL BE SUFFICIENTLY BRACED DURING ERECTION TO PREVENT TOPPLING OR DOMING. CONCENTRATED LOADS SHALL NOT BE PLACED ON TOP CHORDS OR BOTTOM CHORDS. BRACING SHALL BE PERMANENTLY ATTACHED IN PLACE SPECIFICALLY AVOID STACKING FULL BUNDLES OF PLYWOOD OR OTHER CONCENTRATED LOADS ON TOP OF TRUSSES.
- CUTTING AND ALTERING OF TRUSSES IS NOT PERMITTED. IF ANY TRUSS SHOULD BECOME BROKEN, DAMAGED, OR ALTERED, WRITTEN CONCURRENCE AND APPROVAL BY A LICENSED PROFESSIONAL ENGINEER IS REQUIRED.
- TRUSS MEMBERS SHALL HAVE A GAGE THICKNESS AS REQUIRED BY THE TRUSS MANUFACTURER FOR THE REQUIRED LOADS, BUT THIS THICKNESS SHALL NOT BE EXCEEDED. TRUSSES SHALL BE SECURED TO THE ROOF DECK OR STRAP BRACING THAT CONNECTS TO EACH PARTICULAR MEMBER.

Revisions:	By:



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