

UGENERAL ERECTION INSTRUCTIONS

1. THE ERECTOR MUST ADHERE TO ALL SAFETY REGULATIONS PERTAINING TO THE ERECTION OF STEEL BUILDINGS. ALL LIFTING DEVICES ARE TO BE SPECIFICALLY DESIGNED TO LIFT THE VARIOUS BUILDING COMPONENTS. SPREADER BARS AND SLINGS ARE TO BE USED TO PREVENT PERMANENT DEFORMATION OF ALL STRUCTURAL MEMBERS. ALL ERECTORS MUST BE FAMILIAR WITH STEELWAY'S ERECTION MANUALS AND GUIDES.
2. ALL ASTM A-325 BOLTS SHOULD BE TIGHTENED USING THE TURN-OF-NUT METHOD SPECIFIED UNDER CLAUSE 23.5 CAN/CSA-S16.1 LATEST EDITION IN SUMMARY. ALL MAINFRAME CONNECTION BOLTS SHALL BE BROUGHT TO A SNUG-TIGHT CONDITION TO ENSURE THAT THE CONNECTION PLATES ARE BROUGHT INTO FULL CONTACT WITH EACH OTHER. "SNUG-TIGHT" IS THE TIGHTNESS ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A PERSON USING A SPUD WRENCH. WHEN ALL BOLTS ARE SNUG-TIGHT, EACH BOLT SHALL THEN BE TIGHTENED ADDITIONALLY BY THE APPLICABLE AMOUNT OF ROTATION, GIVEN IN TABLE 8 (SHOWN BELOW), WITH TIGHTENING PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT TO ITS FREE EDGES. DURING THIS PROCEDURE THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH.

UTABLE 8

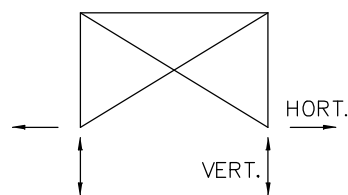
UBOLT LENGTH (MEASURED FROM UNDERSIDE OF THE HEAD TO THE EXTREME END OF POINT)	UTURN
UP TO AND INCLUDING 4 BOLT DIAMETERS	1/3
OVER 4 DIAMETERS AND NOT EXCEEDING 8 DIAMETERS OR 8 INCHES	1/2
EXCEEDING 8 DIAMETERS OR 8 INCHES	2/3

NOTES

NUT ROTATION IS ROTATION RELATIVE TO A BOLT REGARDLESS OF WHETHER THE NUT OR BOLT IS TURNED. TOLERANCE ON ROTATION: 30 OR UNDER

3. ERECTION SHOULD START AT A BRACED BAY ERECT AND TEMPORARILY SUPPORT FRAMES. TEMPORARY BRACING SHALL BE EMPLOYED WHEREVER NECESSARY TO WITHSTAND ALL LOADS ON THE STRUCTURE INCLUDING WIND. INSTALL EAVE PURLINS, ROOF PURLINS AND WALL GIRTS. INSTALL ROOF AND WALL BRACING AND PLUMB BUILDING IN ACCORDANCE WITH SECTION 30, S16.1 LATEST EDITION.
4. INSTALL LATERAL BRACES TO PURLINS AND GIRTS BEFORE INSTALLING CLADDING. INSTALL ROOF AND WALL CLADDING, FASTENERS AND SEALANTS AS SPECIFIED IN THE ERECTION DRAWINGS AND TECHNICAL MANUAL. DO NOT USE ROOF PANELS FOR WALKING PLATFORMS. ERECTION LOAD ON ROOF PANELS SHOULD BE LIMITED TO LOADS DIRECTLY OVER PURLINS. USE BLOCKING TO KEEP PURLINS AND GIRTS PARALLEL. STEELWAY RECOMMENDS INSTALLING THE WALL PANELS BEFORE INSTALLING THE ROOF PANELS TO ADD RIGIDITY TO THE BUILDING FRAME DURING THE ERECTION PROCESS.
5. FOR MORE DETAILED ERECTION INSTRUCTIONS, SEE STEELWAY'S ERECTION MANUALS.

UBRACING REACTIONS



1. REACTIONS LISTED ARE UNFACTORED IN KIPS.
2. FOR HORIZONTAL REACTIONS, TO THE RIGHT IS POSITIVE AND THE LEFT IS NEGATIVE. RIGID FRAMES ARE TO BE VIEWED FROM THE LEFT END OF THE BUILDING.
3. FOR VERTICAL REACTIONS, UPWARD IS POSITIVE AND DOWNWARD IS NEGATIVE

URESponsibility

STEELWAY BUILDING SYSTEMS ACCEPTS RESPONSIBILITY FOR THE DESIGN OF THE COMPONENTS SHOWN ON THESE DRAWINGS IN ACCORDANCE WITH THE DESIGN STANDARDS AND LOADS. STEELWAY BUILDING SYSTEMS IS NOT RESPONSIBLE FOR ERRORS, OMISSIONS OR DAMAGES INCURRED IN THE ERECTION OF THE COMPONENTS SHOWN ON THESE DRAWINGS, NOR FOR INSPECTION OF THE ERECTED COMPONENTS TO ASCERTAIN SAME. ENGINEER'S SEAL APPLIES TO THE DESIGN OF STEELWAY BUILDING PRODUCTS ONLY. STEELWAY ASSUMES THAT ALL WINDOWS AND DOORS WILL BE DESIGNED TO WITHSTAND THE WIND LOADS SHOWN AND WILL REMAIN CLOSED DURING PERIODS OF SEVERE WINDS (THIS SENTENCE DOES NOT APPLY TO BUILDINGS DESIGNED AS CATEGORY 3).

USHOP PRIMER

STEELWAY'S STANDARD GREY PRIMER PROVIDES TEMPORARY PROTECTION AGAINST RUST DURING TRANSPORTATION AND WHILE THE BUILDING IS BEING ERECTED. OUR PRIMER IS NOT DESIGNED FOR LONG TERM EXPOSURE TO THE ELEMENTS. IT IS THE ERECTORS RESPONSIBILITY TO PROTECT THE STEEL IF IT IS TO BE STORED ON SITE FOR ANY LENGTH OF TIME. PURLINS/GIRTS SHOULD BE COVERED AND SLOPED TO ALLOW FOR WATER TO DRAIN OFF MATERIAL. PRIMARY STEEL SHOULD BE COVERED AND SAFELY STACKED IN AN UPRIGHT POSITION. WATER THAT IS ALLOWED TO POND ON FLANGES OR WEBS CAN CAUSE THE PRIMER TO LIFT AND FLAKE OFF THE STEEL OVER TIME. STEELWAY WILL NOT BE HELD RESPONSIBLE FOR PAINT DAMAGED BY PONDING WATER. IT IS THE ERECTORS RESPONSIBILITY TO TOUCH UP SHOP PRIMER THAT HAS BEEN DAMAGED DURING ERECTION.

UFIELD WORK

BUILDING COMPONENTS SHALL NOT BE FIELD MODIFIED UNLESS INDICATED ON THESE DRAWINGS OR AUTHORIZATION HAS BEEN GIVEN BY STEELWAY BUILDING SYSTEMS. ALL FIELD WELDING SHOWN ON THESE DRAWINGS IS TO BE DONE BY A CERTIFIED WELDING COMPANY UNDER CSA W47.1.

UMATERIAL SPECIFICATIONS

REFER TO STEELWAY PRODUCT SPECIFICATIONS LISTED ON OUR WEB SITE.

DRAWING SCHEDULE

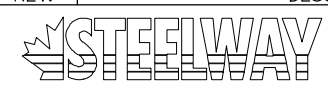
DWG #	DRAWING TITLE
73178	
-G1	GENERAL INFORMATION SHEET
-R1	REACTIONS
-R2	REACTIONS
-R3	REACTIONS
-R4	REACTIONS
-R5	REACTIONS
-S1	ANCHOR BOLT PLAN
-S2	ROOF FRAMING PLAN
-S3	ROOF FRAMING PLAN
-S4	FRAME CROSS SECTION
-S5	FRAME CROSS SECTION
-S6	FRAME CROSS SECTION
-S7	FRAME CROSS SECTION
-S8	ENDWALL FRAMING LINES 5 & 1
-S9	ENDWALL FRAMING LINE 3
-S10	ENDWALL FRAMING LINE 4
-S11	ENDWALL FRAMING LINE 6
-S12	ENDWALL FRAMING LINE 10
-S13	SIDEWALL FRAMING LINE I
-S14	SIDEWALL FRAMING LINES B & A
-S15	SIDEWALL FRAMING LINE B
-S16	SIDEWALL FRAMING LINE E
-S17	SIDEWALL FRAMING LINE F

URGENT

THESE DRAWINGS INDICATE OUR UNDERSTANDING OF YOUR ORDER AND WE ARE PROCEEDING ON THIS BASIS UNLESS STEELWAY BUILDING SYSTEMS IS IMMEDIATELY ADVISED OTHERWISE. PLEASE CONTACT US IMMEDIATELY AT 519-765-2244 FOR ACCEPTANCE SIGNATURE AND RETURN TO BUILDING SYSTEMS.

APPROVED BY: _____ DATE: _____

BUILDER	PROJECT	LOCATION	DWG NOT TO SCALE	0	ISSUED FOR INFORMATION	05/10/07	TSD
			DWG #	REV.	DESCRIPTION	DATE	BY
IRISHSPAN INDUSTRIES CO.	SHIPYARD BREWING CO.	PORTLAND, US.	73178-G1				



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