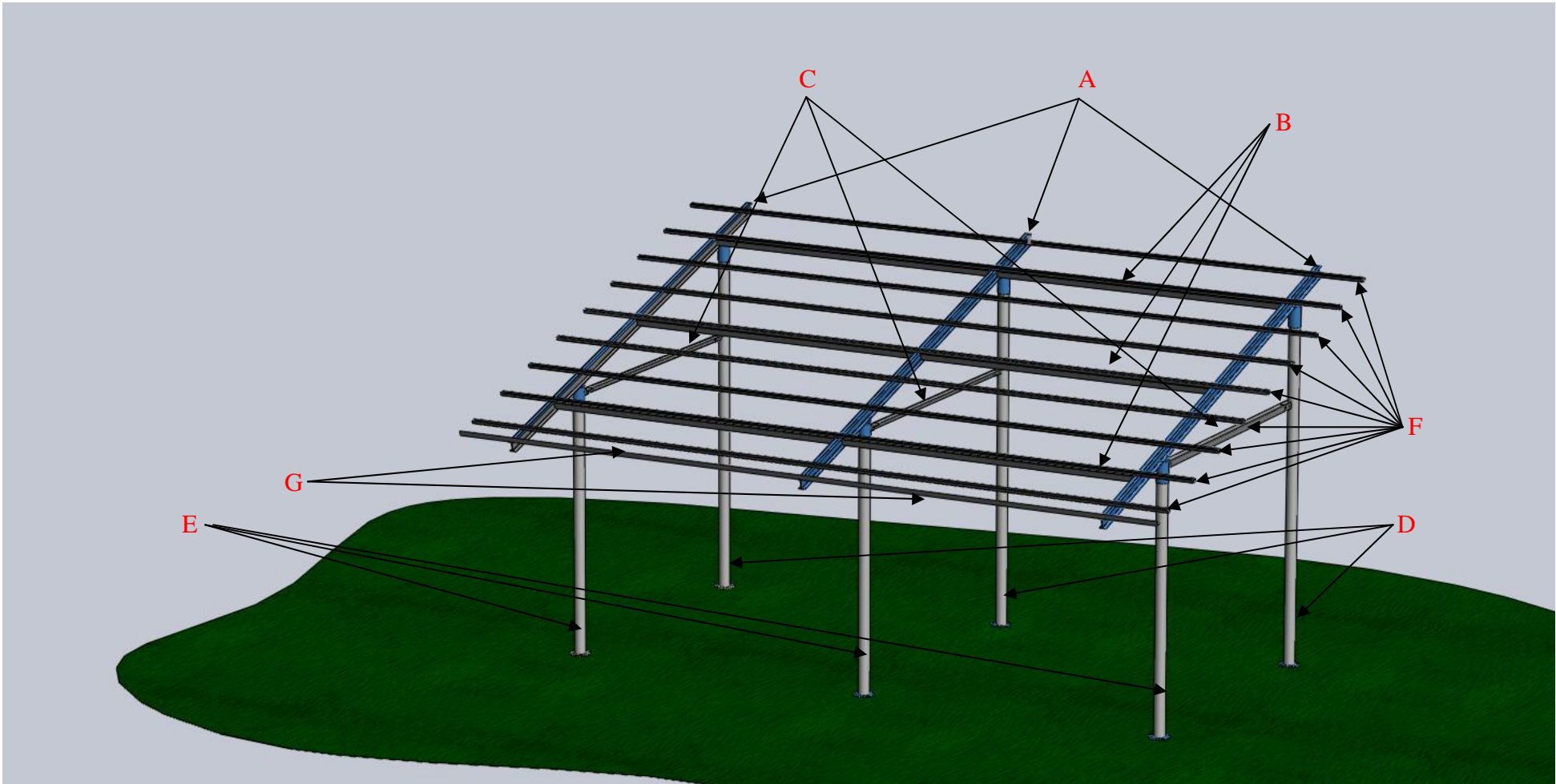


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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	ANATONE CORP		
		DIMENSIONS ARE IN INCHES		DRAWN		TITLE: FREE STANDING SOLAR RACKING SYSTEM		
		TOLERANCES:		CHECKED				
		FRACTIONAL ±		ENG APPR.				
		ANGULAR: MACH ± BEND ±		MFG APPR.				
		TWO PLACE DECIMAL ±		Q.A.				
		THREE PLACE DECIMAL ±		COMMENTS:				
		INTERPRET GEOMETRIC TOLERANCING PER:				SIZE	DWG. NO.	REV
		MATERIAL				<b>A</b>	<b>1</b>	
		FINISH						
NEXT ASSY	USED ON							
						SCALE: 1:96	WEIGHT:	SHEET 1 OF 1

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GMR-24-BLK

## Parts Summary

	Description	Specification	Length	QTY	Remark
Rack	I-Beam (A)	100mm (3.93) 108mm (4.24" )	4800mm (188.86" )	3	Install on top of the legs. Use screws to secure
	Diagonal Stabilizer (B)	63mm (2.476" )	3635mm (142.86" )	6	left-right stabilizers
	Horizontal Stabilizer (C)	63mm (2.476" )	2940mm (115.54" )	3	front-back stabilizers
	Back Leg (D)	OD 108mm (4.24" )	3318mm (188.64" )	3	
	Front Leg (E)	OD 108mm (4.24" )	2386mm (93.77" )	3	
	Rail (F)	4131	4256mm (167.26" )	18	
	Front Brace (G)	50mm (1.965" )	4256mm (167.26" )	2	For panel installation
	Stainless Hardware				Bolts、Rubber Pads、Nuts, Clamps、pads、nuts、Washers
	Rubber pad for Front Brace	Rubber pad		2	module stopper
	Rubber gasket roll to seal gap between panels	Rubber pad	Diameter 15mm	40 m	use to seal gap between modules if necessary
	Tool set		5mm 13mm 14-17mm		2 sets of tools, 3 of each
Solar Modules	220w	1600X1047mm (62.88" x 41.15" )	24		

24 PANEL MOUNTING  
SYSTEM

PLANS TO BE USED ONLY FOR SPECIFIC PROJECT AND LOCATION SHOWN IN TITLE BLOCK

FOR BUILDING DEPARTMENT REVIEW ONLY

No.	REVISION	DATE



Plot/Sign Date:	1/26/10
Scale:	1/4" = 1'-0"
Job No:	10-1501-113
Revision:	
Sheet No:	

**GENERAL**

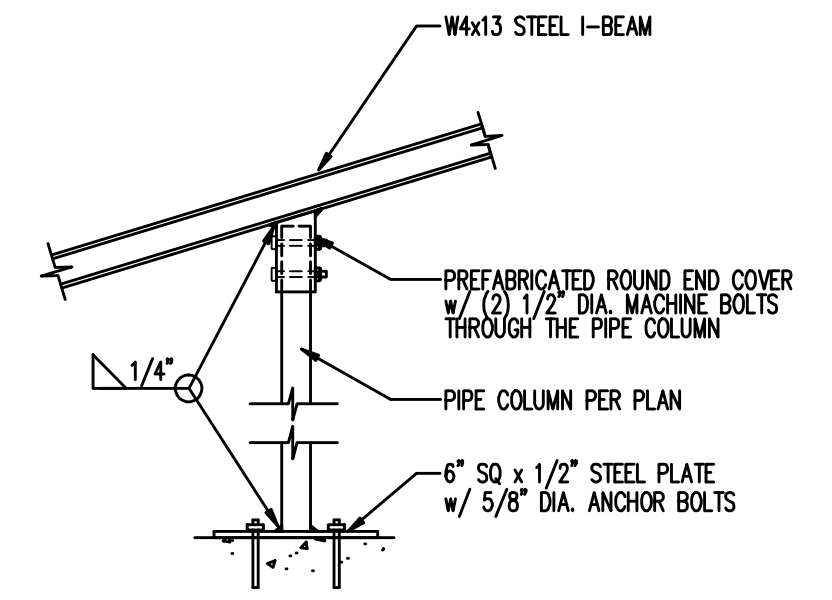
- ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE 2007 CALIFORNIA BUILDING CODE. NOTE ALL REFERENCES ON PLANS TO SECTIONS AND TABLES REFER TO THE UNIFORM BUILDING CODE AND THE CALIFORNIA BUILDING CODE.
- THESE NOTES SHALL BE USED IN CONJUNCTION WITH THE PLANS AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER.
- CONTRACTOR MUST CHECK DIMENSIONS, FRAMING CONDITIONS, AND SITE CONDITIONS BEFORE STARTING WORK. ARCHITECT AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR POSSIBLE DEFICIENCIES.
- CONDITIONS NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED AS SPECIFIED IN TYPICAL DETAILS FOR THE RESPECTIVE MATERIALS.
- THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISH STRUCTURE. ALL BRACING, TEMPORARY SUPPORTS, SHORING, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. OBSERVATION VISITS TO THE JOB SITE BY THE ARCHITECT AND THE ENGINEER DO NOT INCLUDE INSPECTION OF CONSTRUCTION PROCEDURES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS AND FOR SAFETY CONDITIONS AT THE WORKSITE. THESE VISITS SHALL NOT BE CONSTRUED AS CONTINUOUS AND DETAILED INSPECTIONS.
- DESIGN, MATERIALS, EQUIPMENT, AND PRODUCTS OTHER THAN THOSE DESCRIBED BELOW OR INDICATED ON THE DRAWINGS MAY BE CONSIDERED FOR USE, PROVIDED PRIOR APPROVAL IS OBTAINED FROM THE OWNER, ARCHITECT, THE ENGINEER, AND THE APPLICABLE GOVERNING CODE AUTHORITY.

**CONCRETE**

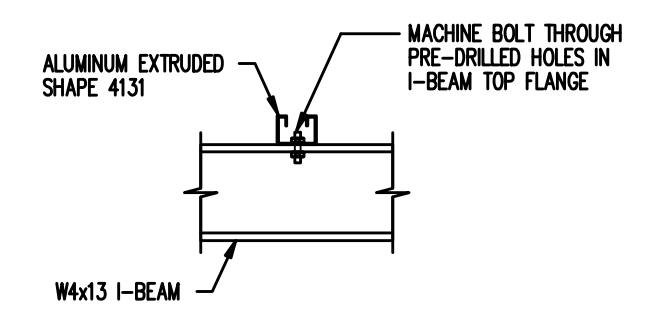
- ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.
- AGGREGATES SHALL BE NATURAL SAND AND ROCK CONFORMING TO ASTM C33.
- CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C-150, AS REQUIRED TO SATISFY SITE SOIL CONDITIONS AS DETERMINED BY THE PROJECT SOILS ENGINEER.
- THE FOLLOWING MINIMUM CLEAR DISTANCES BETWEEN REINFORCING STEEL AND FACE OF CONCRETE SHALL BE MAINTAINED UNLESS NOTED OTHERWISE:  
SLAB ON GRADE : CENTER OF SLAB  
CONCRETE BELOW GRADE, FORMED : 2"  
CONCRETE BELOW GRADE, UNFORMED (POURED AGAINST EARTH) : 3"  
CONCRETE EXPOSED TO WEATHER : 1 1/2"
- PIPES MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES, BUT SHALL NOT BE EMBEDDED THEREIN. PIPES OR DUCTS EXCEEDING ONE-THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN THE STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED.
- PROVIDE 3/4" CHAMFERS AT ALL EXPOSED CORNERS.
- REFER TO ARCHITECTURAL DRAWINGS FOR REVEALS, AREAS OF TEXTURED CONCRETE OR SPECIAL FINISHES, ITEMS REQUIRED TO BE CAST INTO THE CONCRETE, CURBS AND SLAB DEPRESSIONS.
- DRYPACK SHALL BE COMPOSED OF ONE PART PORTLAND CEMENT TO NOT MORE THAN THREE PARTS SAND.
- ALL CONVENTIONAL FOUNDATIONS ARE DESIGNED FOR AN EI OF LESS THAN OR EQUAL TO 20, UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS AND DETAIL 1/FD1.
- REFER TO CBC TABLE 1904.3 FOR REQUIREMENTS WHEN CONCRETE IS EXPOSED TO SULFATE CONTAINING SOLUTIONS.
- CONCRETE MAY BE PLACED BELOW WATER PROVIDED THE TOP OF THE TREMIE HOSE IS MAINTAINED BELOW THE SURFACE OF THE RISING CONCRETE COLUMN DURING PUMPING. CONCRETE STRENGTH SHOULD BE INCREASED BY (1,000 psi) ABOVE DESIGN STRENGTH WHEN UTILIZED BELOW WATER TABLE IF ENCOUNTERED. NOTE THAT WATER WAS FOUND UP TO 25 FEET DRILLED BORINGS.

**STRUCTURAL STEEL**

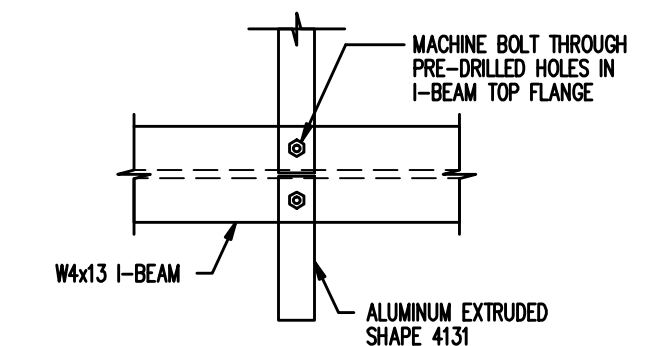
- ALL FABRICATION AND ERECTION SHALL CONFORM TO THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION.
- ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS. ALL FIELD WELDING SHALL HAVE CONTINUOUS INSPECTION BY A REGISTERED DEPUTY INSPECTOR.
- ALL FULL PENETRATION GROOVE WELDS SHALL BE ULTRASONICALLY TESTED (UT) FOR THE EXTENT REQUIRED PER THE CURRENT EDITION OF THE CALIFORNIA BUILDING CODE.
- ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.
- ANCHOR BOLTS AND UNFINISHED BOLTS SHALL CONFORM TO ASTM A307.
- ALL WELDING ELECTRODES SHALL CONFORM TO AWS E70XX.
- ALL ROUND PIPE SHALL CONFORM TO ASTM A53 GRADE "B" (35 KSI).
- ALL SQUARE AND RECTANGULAR TUBE SHALL CONFORM TO ASTM A500 (46 KSI).
- ALL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION, OR OTHER APPROVED WEATHER PROOFING METHOD.
- WHERE FINISH IS ATTACHED TO STRUCTURAL STEEL, PROVIDE 1/2" DIA. BOLT HOLES AT 4'-0" O.C. FOR ATTACHMENT OF MAILER. 1/2" DIA. x 3" CPL NELSON STUDS MAY REPLACE BOLTS. SEE ARCHITECTURAL.



**STEEL COLUMN TO BEAM CONNECTION** 1

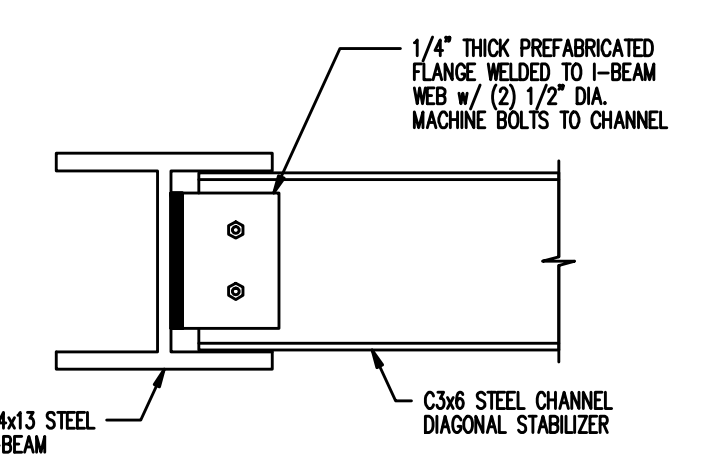


SIDE VIEW

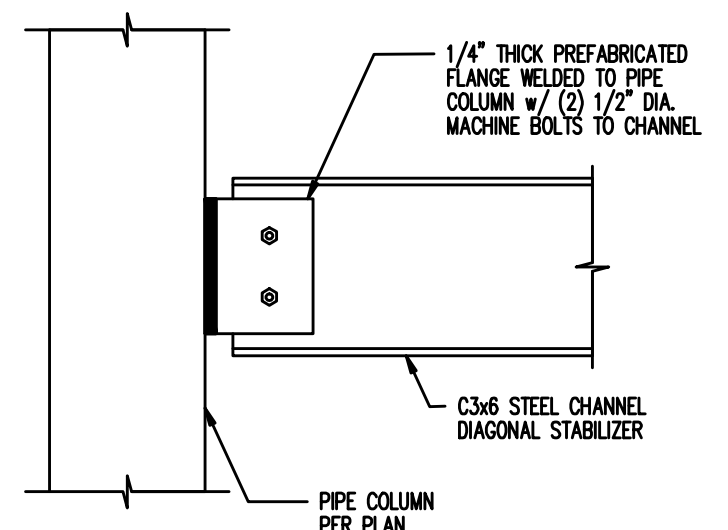


PLAN VIEW

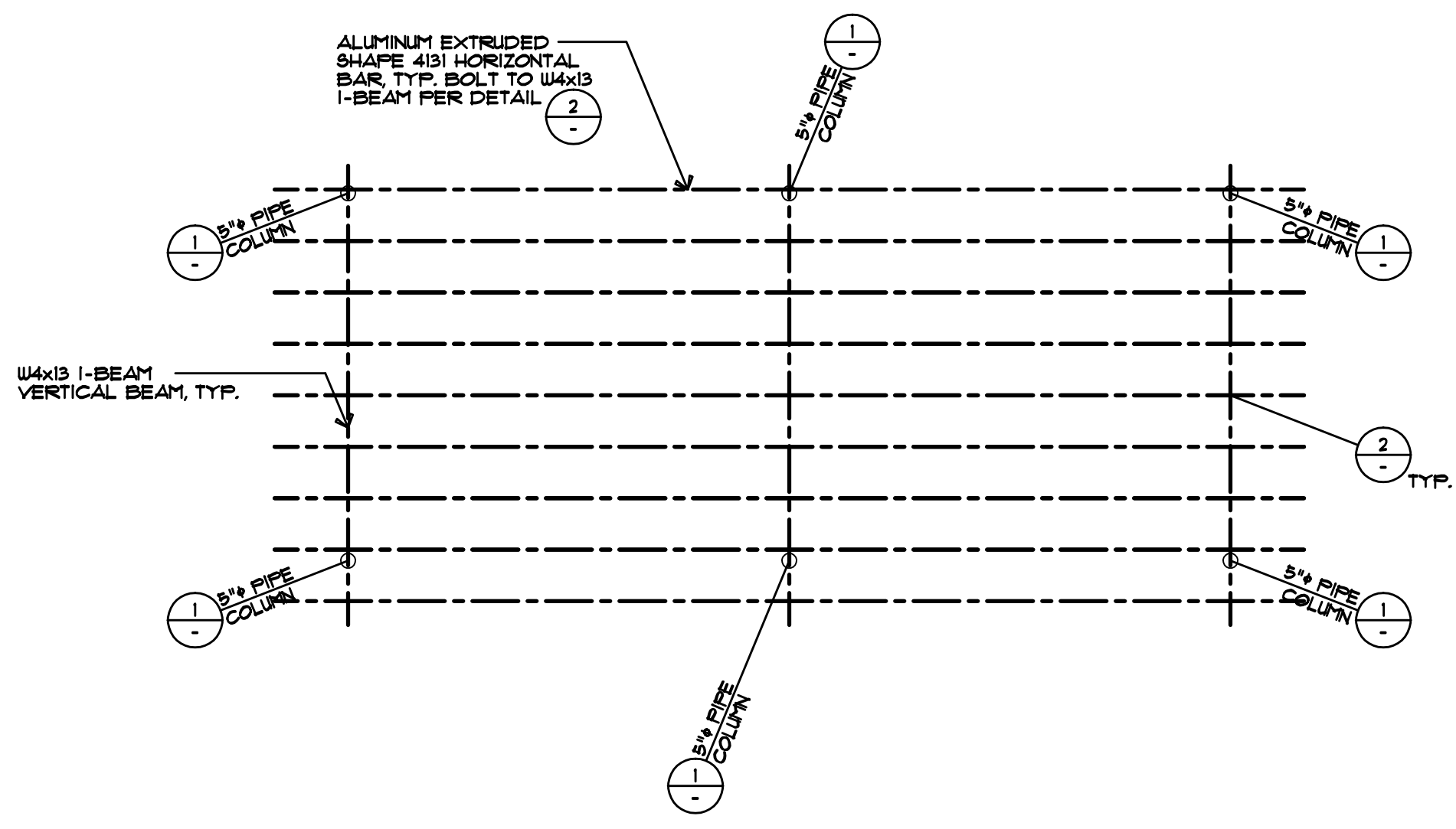
**RAIL TO I-BEAM CONNECTION** 2



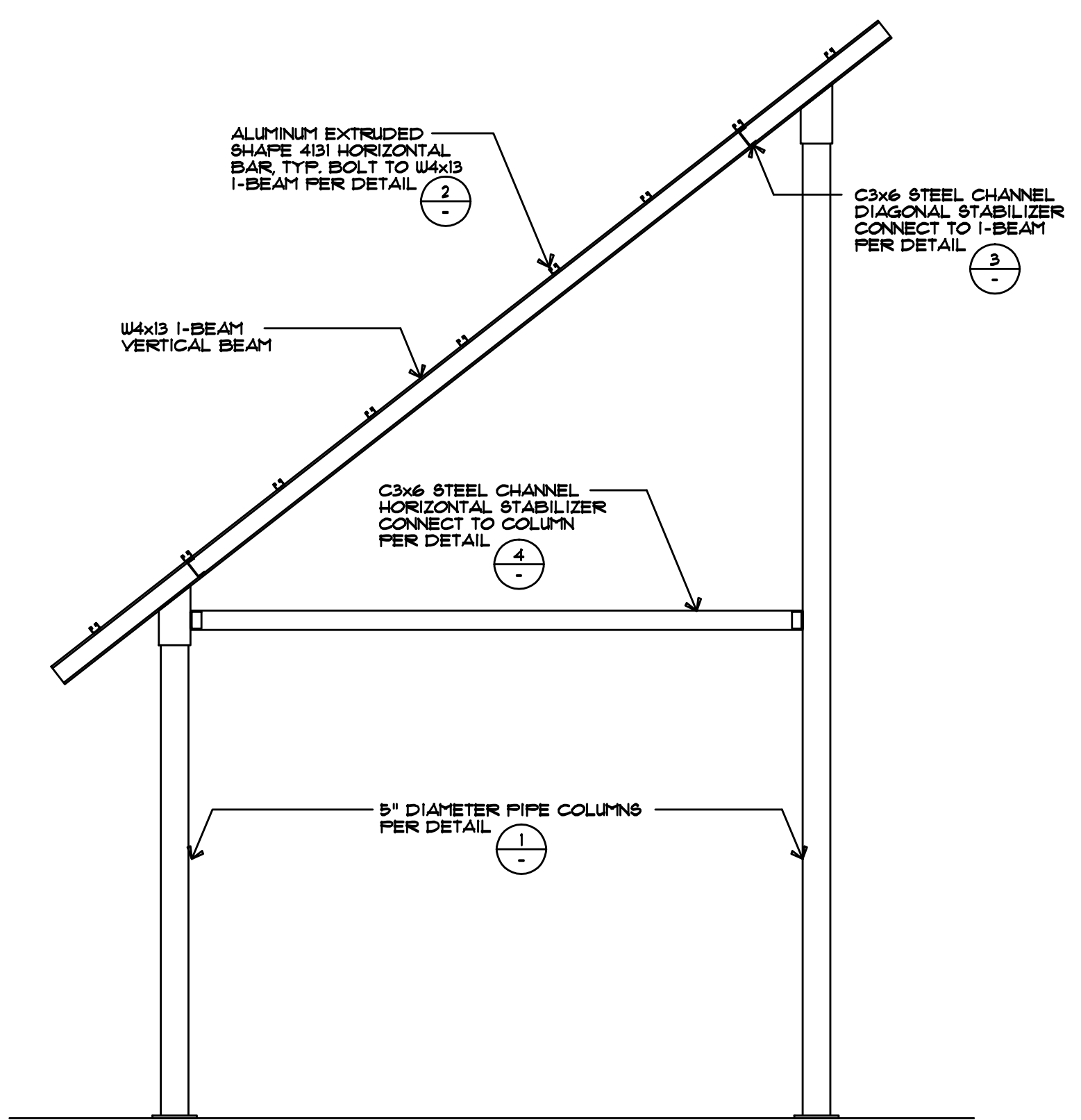
**STABILIZER TO I-BEAM CONNECTION** 3



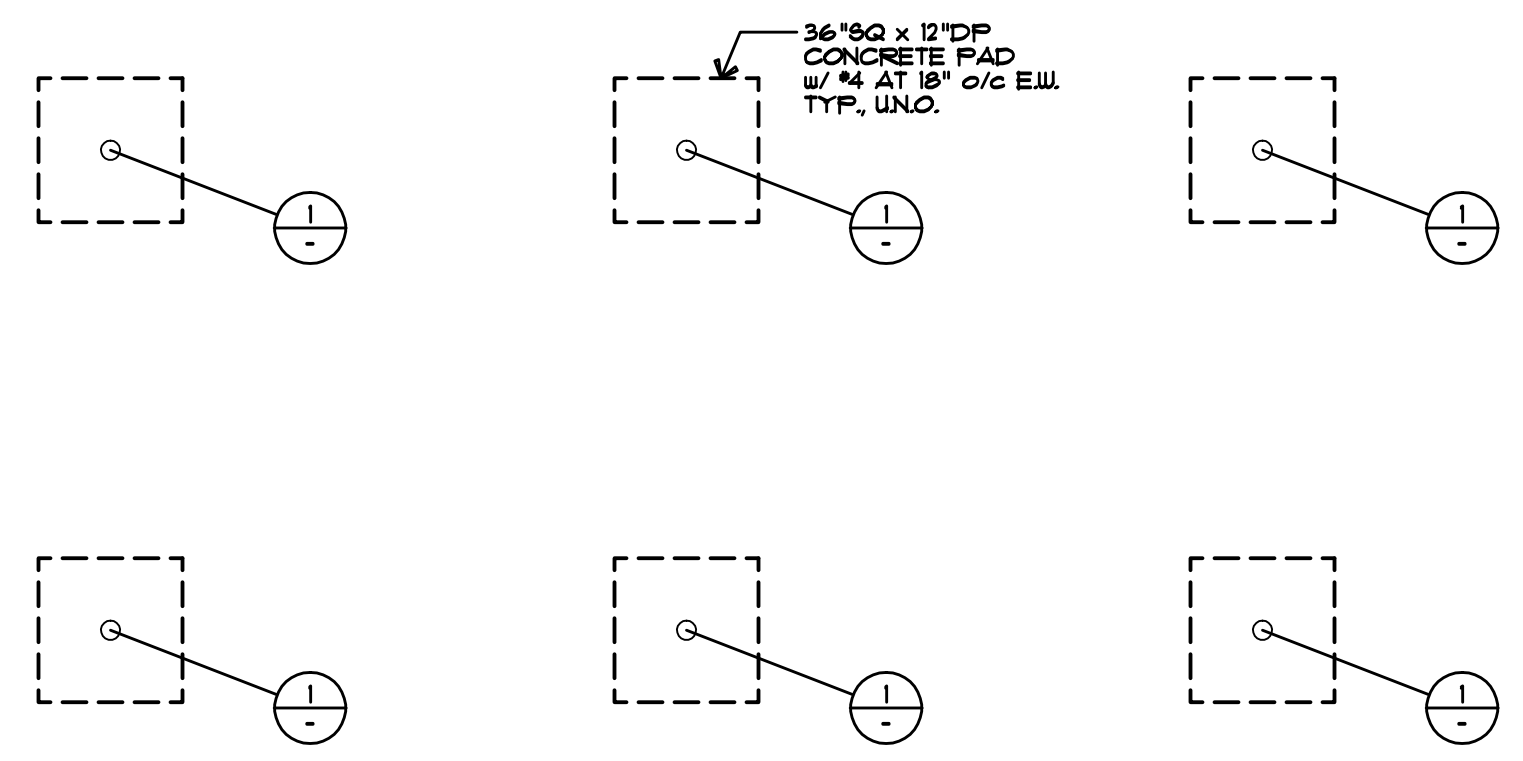
**STABILIZER TO PIPE COLUMN** 4



**FRAMING PLAN**  
SCALE : 1/4" = 1'-0"



**SECTION**  
SCALE : 1/2" = 1'-0"



**FOUNDATION PLAN**  
SCALE : 1/4" = 1'-0"