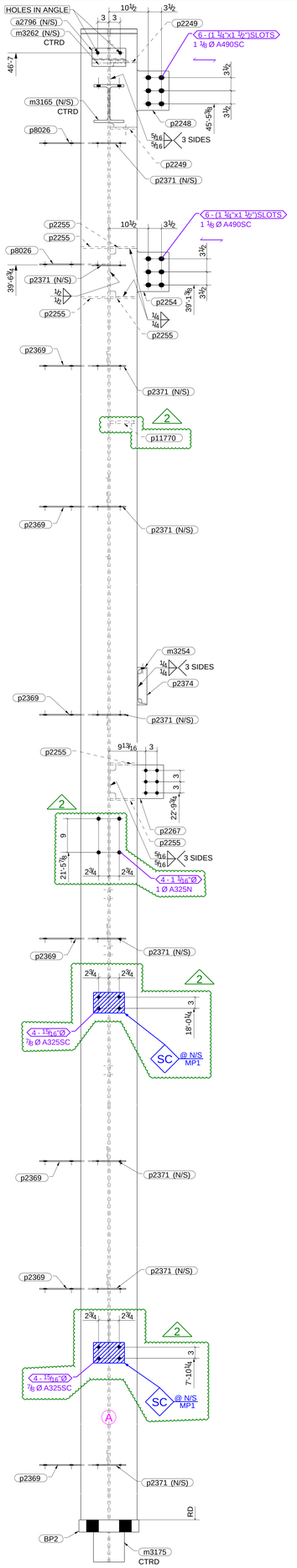
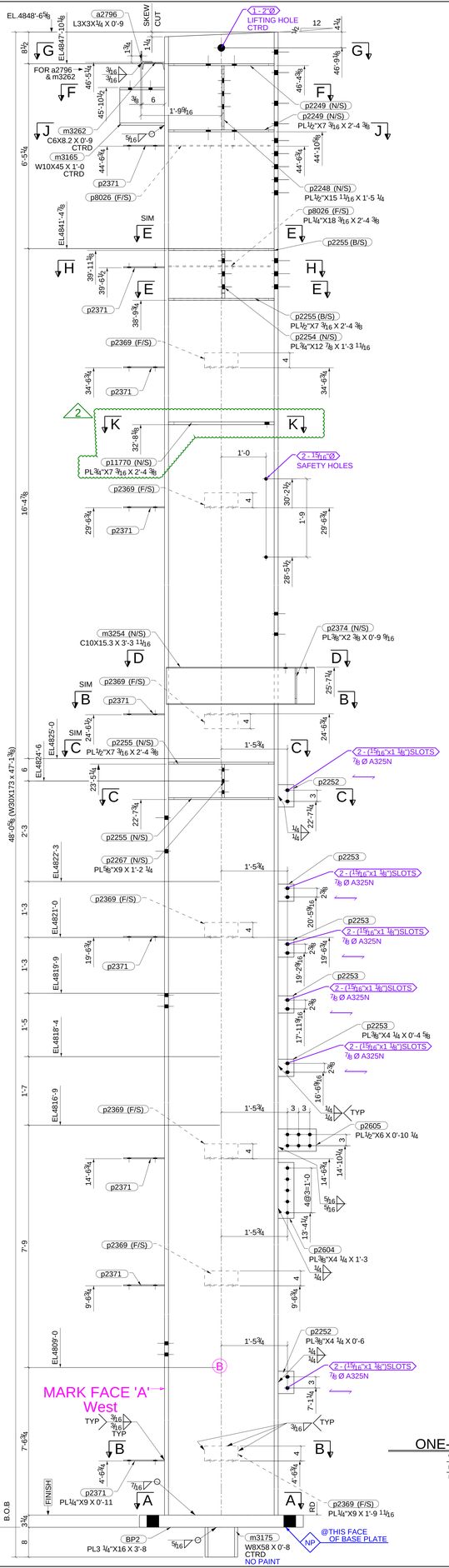
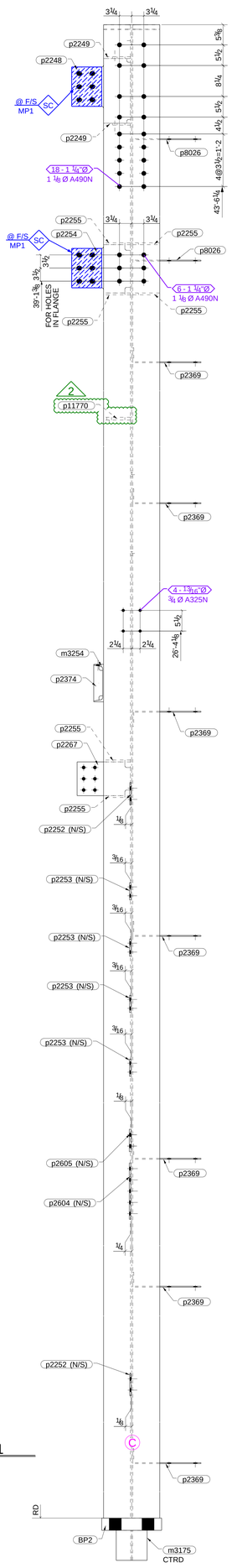
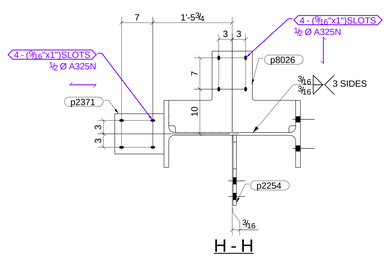
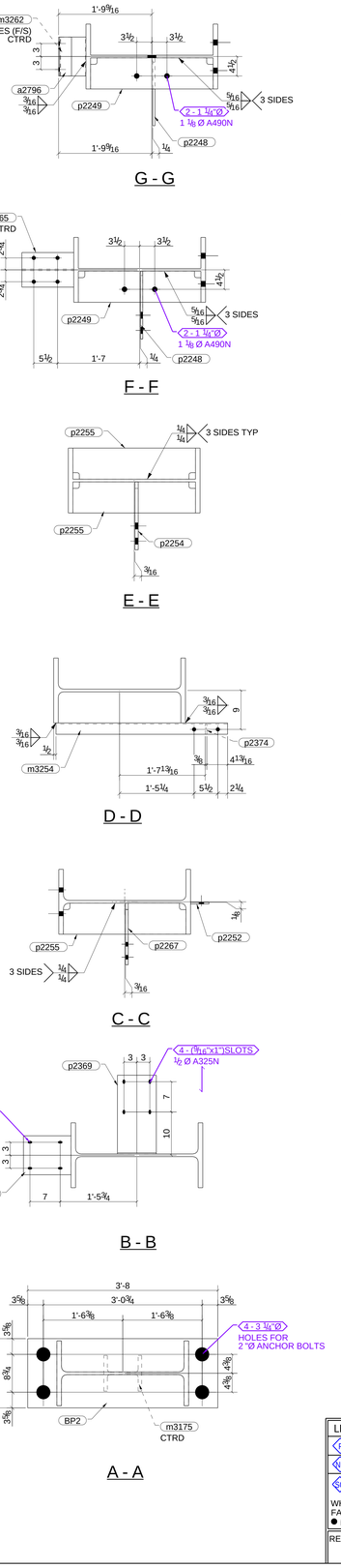




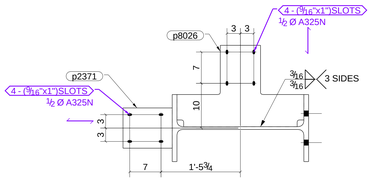




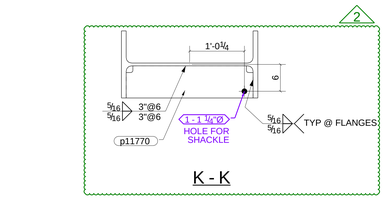


SHPG SEQUENCES		BILL OF MATERIAL								
SEQ	MARK	NO. PCS.	DESCRIPTION	LENGTH FT.	LENGTH IN	FAB. MARK	P.M.	PREP	NOTES	PAY CODE
	301C1	ONE	COLUMN							(S5/6)
		1	W30X173	47'	1 3/8"	301C1	301201/37	F1E B1E	A992	
		1	W10X45	1'	0"	m3165	301203/15	S1E	A992	
		1	W8X58	0'	8"	m3175	301202/09	F1E	A992	
		1	PL5/8"X9"	1'	2 1/4"	p2267			A572-50	
		2	PL3/8"X4 1/4"	0'	6"	p2252			A572-50	
		4	PL3/8"X4 1/4"	0'	4 5/8"	p2253			A572-50	
		1	PL3/8"X4 1/4"	1'	3"	p2604			A572-50	
		1	PL3/8"X2 3/8"	0'	9 9/16"	p2374			A572-50	
		1	PL3/4"X12 7/8"	1'	3 11/16"	p2254			A572-50	
2		1	PL3/8"X7 3/16"	2'	4 3/8"	p11770		AL	A572-50	
		1	PL3 1/4"X16"	3'	8"	BP2		PRESS FLAT	A572-50	
		2	PL1/4"X18 3/16"	2'	4 3/8"	p8026			A572-50	
		7	PL1/4"X9"	1'	9 11/16"	p2369		BENT	A572-50	
		9	PL1/4"X9"	0'	11"	p2371			A572-50	
		1	PL1/2"X15 11/16"	1'	5 1/4"	p2248			A572-50	
		2	PL1/2"X7 3/16"	2'	4 3/8"	p2249			A572-50	
		6	PL1/2"X7 3/16"	2'	4 3/8"	p2255			A572-50	
		1	PL1/2"X6"	0'	10 1/4"	p2605			A572-50	
		1	L3X3X1/4	0'	9"	a2796	301204/03		A529-50	
		1	C10X15.3	3'	3 11/16"	m3254	301203/01		A36	
		1	C6X8.2	0'	9"	m3262	301203/03		A36	

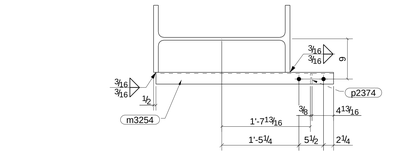
SHOP NOTE :
BASE PLATES ARE PRE-ORDERED IN BP SHEETS, DO NOT DUPLICATE MATERIAL.



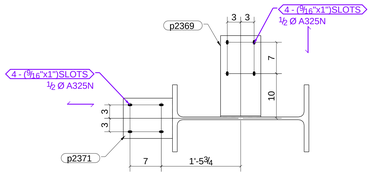
J - J



K - K

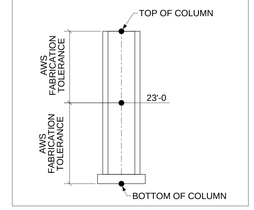


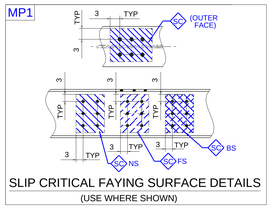
C - C



B - B

SHOP NOTE:
AIST T.R. 13 TOLERANCES APPLY. PROVIDE COLUMN STRAIGHTNESS PER AWS TOLERANCES BETWEEN THE FOLLOWING WORKPOINTS.



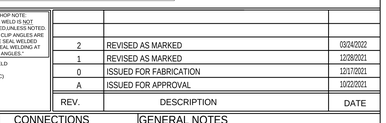


SLIP CRITICAL FAYING SURFACE DETAILS
(USE WHERE SHOWN)

ONE-COLUMN-301C1

W	30 1/2"x5/8"
F	15"x1 1/16"
K	2 5/16"

AT GRID: 13/A



SHOP NOTE:
SEAL WELD IS NOT REQUIRED UNLESS NOTED EXCEPT CLIP ANGLES ARE TO BE SEAL WELDED PER "SEAL WELDING AT ANGLES."

REV.	DESCRIPTION	DATE
2	REVISED AS MARKED	03/24/2022
1	REVISED AS MARKED	12/28/2021
0	ISSUED FOR FABRICATION	12/17/2021
A	ISSUED FOR APPROVAL	10/22/2021

MATERIAL	CONNECTIONS	GENERAL NOTES
WF & WT's: A992 ANGLES: A529 GR.50 (U.N) PLATES: A572-50 (U.N) HSS : A500 GR.B (U.N) ALL OTHER: A36 (U.N.)	HOLES : 15/16" Ø (U.N.) FIELD BOLTS : 7/8" Ø A325N (U.N.) ELECTRODES: E70 (LH)	ALL RUNNING DIMENSIONS FROM END OF MAIN MATERIAL ALL VERTICAL SPACING OF HOLES TO BE 3" U.N. ALL RE-ENTRANT CUTS RADIUSED (R=1/2" MIN.) ALL BEAMS TO BE FABRICATED WITH RESIDUAL CAMBER UP ALL H.S. SHOP BOLTS TO BE FULLY PRE-TENSIONED U.N. B.T.S INDICATES SHOP BOLT AFTER COATING ST INDICATES "SNUG TIGHT" QC GAGE ALL WELDS ERECTION DRWG. NO. E301-001 thru 005 & 101

SURFACE PREP: SSPC-SP6
PRIMER: Steel Spec Universal Primer DFT 2 - 4
INT. COAT: N/A
FINISH : N/A
COLOR : Gray

LEGEND
P PRIMER ONLY
NP NO PAINT
SCF SLIP CRITICAL CLASS "B"
WHERE MARKED, MASK FAYING SURFACES: ● NO PAINT ○ PRIMER ONLY
RELEASED FOR: FABRICATION

DESCRIPTION: COLUMN DETAILS
PROJECT: EVERAZ NA LONG RAIL MILL
CUSTOMER: WANZEK CONSTRUCTION, INC.

DRAWN BY	DATE
SBS	10/20/2021
CHKD. BY	DATE
CCN	10/22/2021

JOB NUMBER: 21-21

DRAWING NUMBER	SHEET	REV.
301C1	1 / 1	2

Atlas Structures mmy1992\Plot Date= 25.03.2022 09:22:07am