

GMS, INC.
CONSULTING ENGINEERS
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COLORADO SPRINGS, COLORADO 80903-1074

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September 13, 2012

Mr. Wes Weaver, President
Weaver Construction Management, Inc.
3679 South Huron Street, Suite 404
Englewood, CO 80110

Via Email to: wes@weavercm.com
No Hard Copy to Follow

Re: Harold D. Thompson Regional Water Reclamation Facility (HDTRWRF)
Lower Fountain Metropolitan Sewage Disposal District (LFMSDD)

Dear Wes:

Reference is made to your shop submittal identified as follows:

Submittal No.:	05500-018
Date of Submittal:	August 29, 2012
Title:	Operations Building Shop Drawings for Stair Columns and I-Beams
Specification Section:	05500
Manufacturer:	CSM Industrial Constructors

The referenced submittal has been stamped "**Make Corrections Noted**". Our comments are as follows:

1. The dimension for the southerly span of the interior second level support beam requires revision. Refer to the attached marked plan providing for a centerline to centerline bearing dimension of 21'-3½". GMS, Inc. will issue an ESI revising the "Issued for Construction" plans in this matter. Similarly, the setback to the center of bearing from the face of the existing concrete foundation wall requires revision to be 0'-3½".
2. Revise the drilling of column base plates as marked on the attached drawing, Drawing No. E-1, to reflect two ¾-inch diameter anchors at Detail 'B' and Detail 'C.'
3. Refer to Drawing No. ONE, dated August 17, 2012, which has been marked to reflect modifications to the column length at Columns C-1, C-2 and C-3.
4. Refer to Drawing No. 2, dated August 17, 2012, which has been marked to reflect the change in upper level support beam length in the southerly span. Provide for the handwritten changes made.

Mr. Wes Weaver
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Please immediately proceed with fabrication as modified with a return of a revised shop drawing to document as-delivered and as-constructed member dimensions.

Please call if you have any questions.

Sincerely,

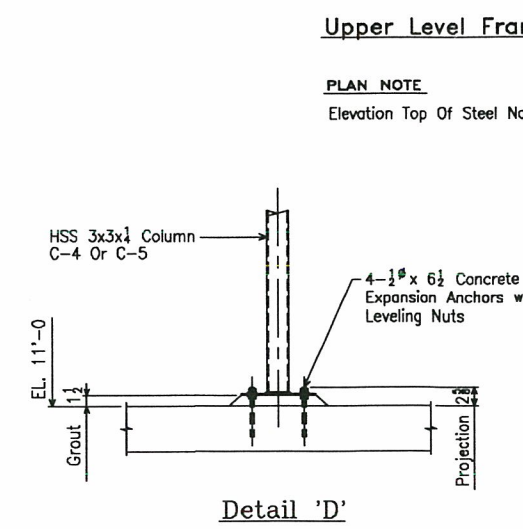
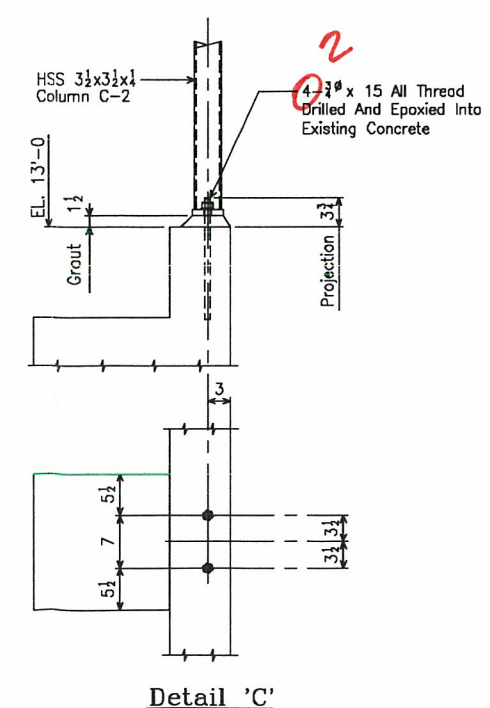
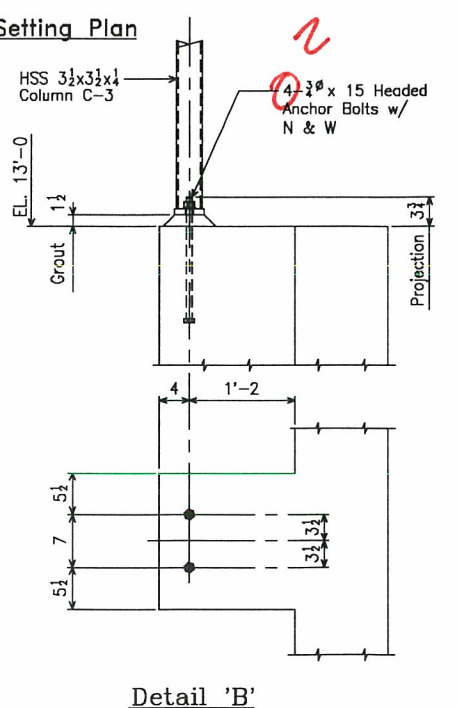
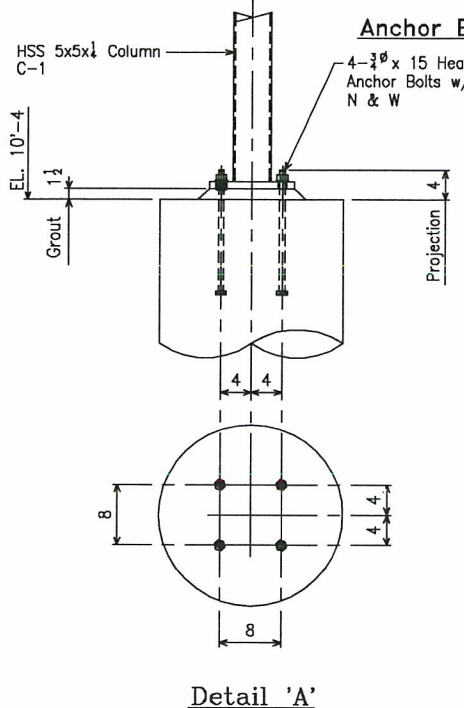
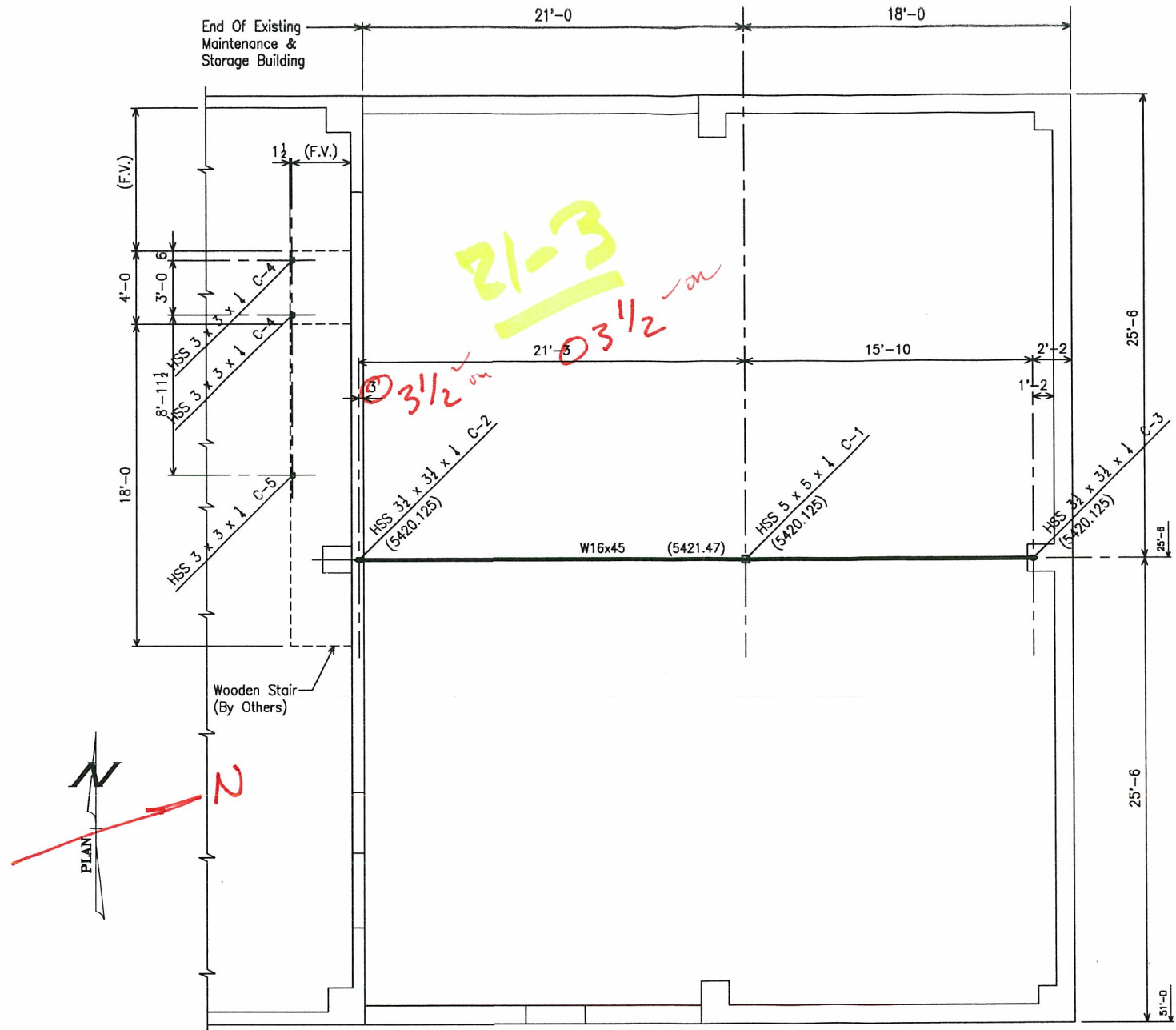
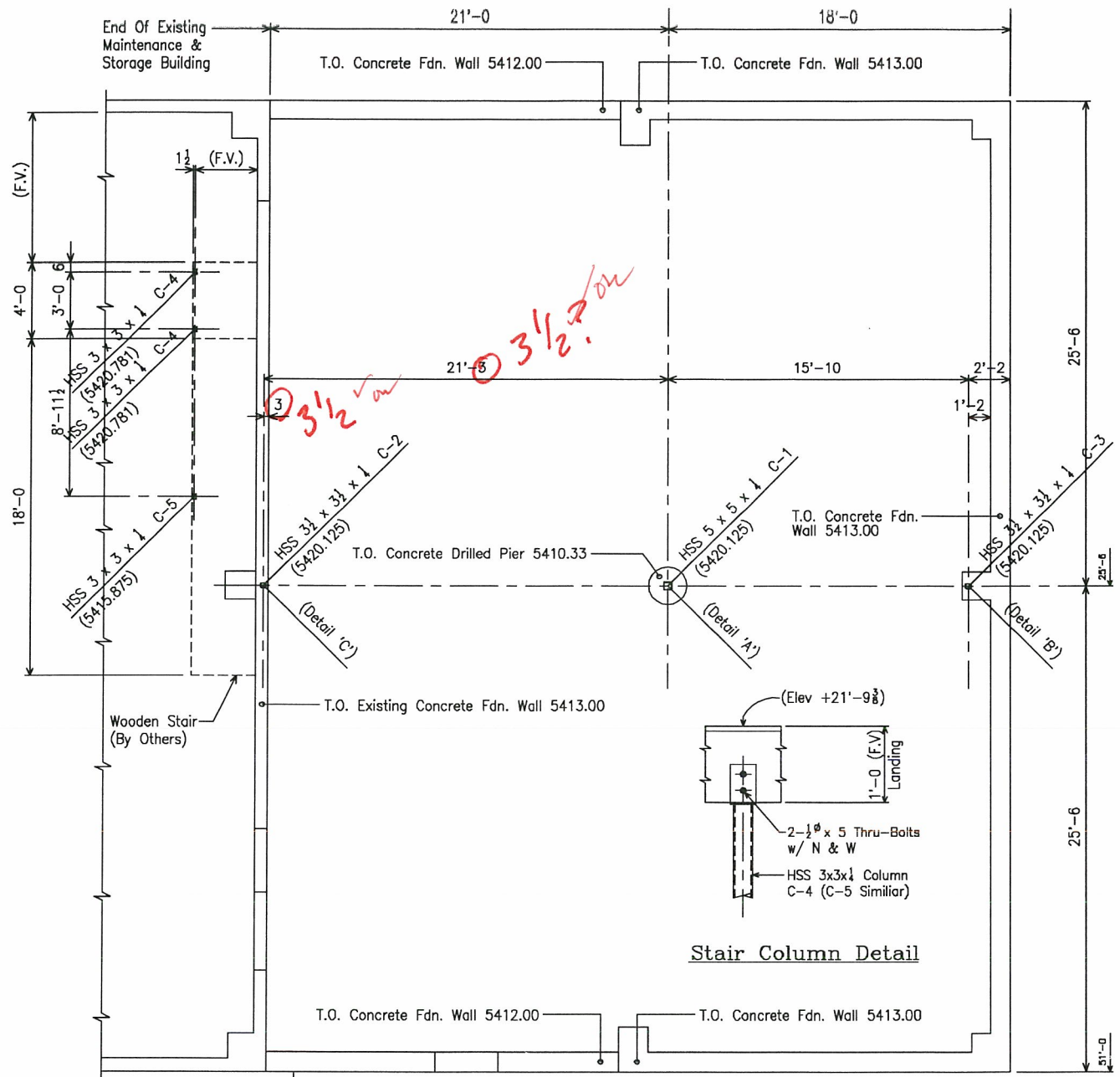


Roger J. Sams, P.E.

RJS/kmw

ec (letter only):

Mr. Jim Heckman, Manager, LFMSDD, lfmanager@lfmsdd.org
Ms. Cindy Murray, Office Manager, Fountain Sanitation District, fsdistrict@fsd901.org
Mr. Jeff Burst, Project Supt., Weaver Construction Management, Inc., jeff@weavercm.com
Mr. John Jacob, Project Mgr., Weaver Construction Management, Inc., john@weavercm.com
Mr. Adam Roeder, Weaver Construction Management, Inc., aroeder@weavercm.com
Ms. Leslie Brown, Weaver Construction Management, Inc., leslie@weavercm.com
Mr. Mike Gaines, P.E., MGA Structural Engineers, Inc. mg@mgase.com
cc: Mr. Jerry Miller, Resident Project Representative, GMS, Inc.

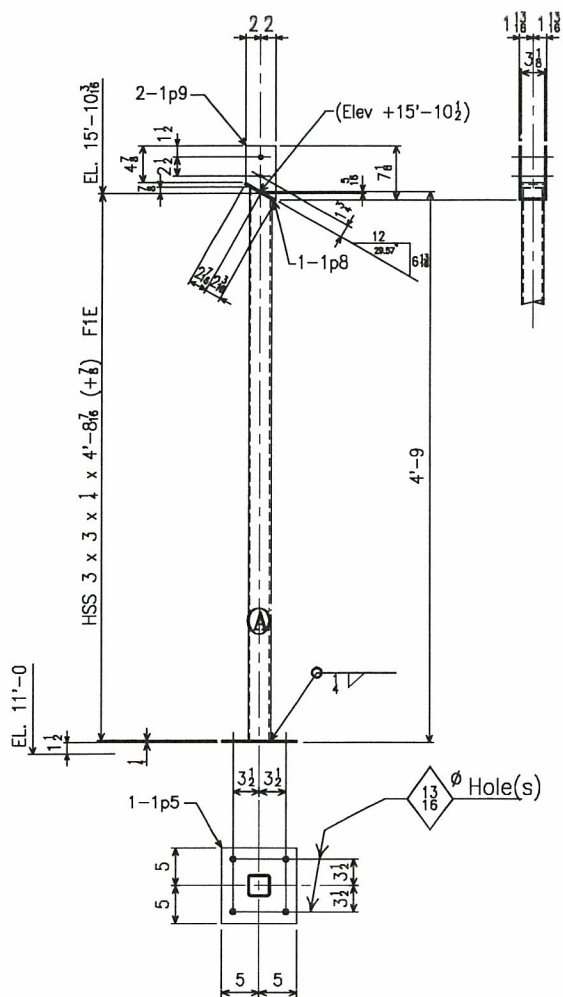


Upper Level Framing Plan

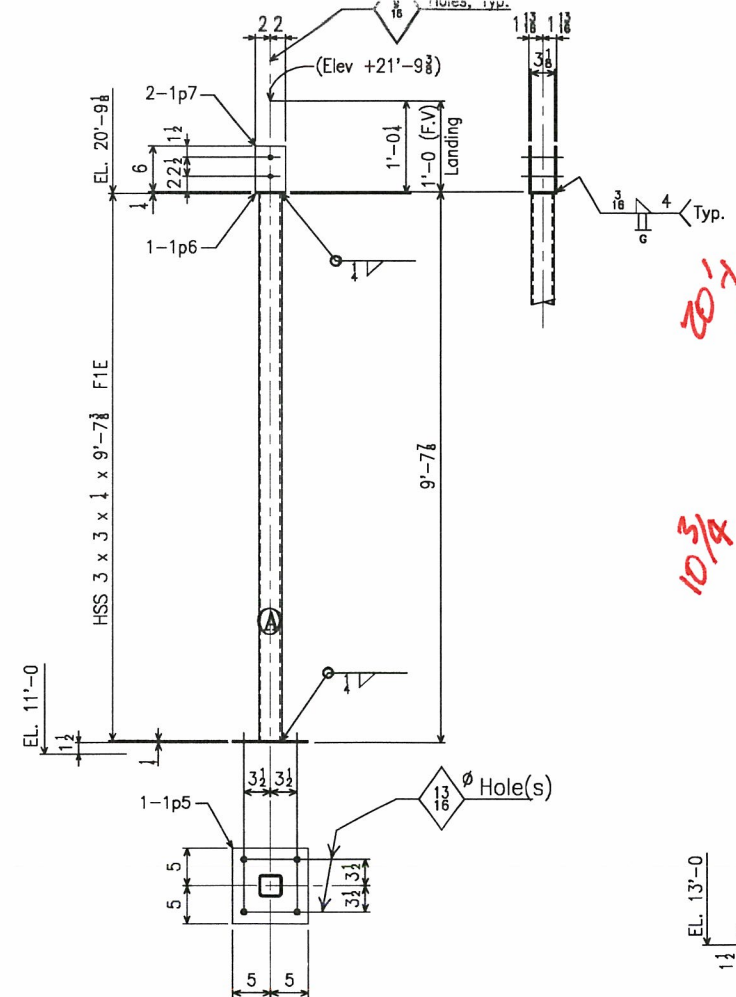
PLAN NOTE
Elevation Top Of Steel Noted (XXXX.XX).

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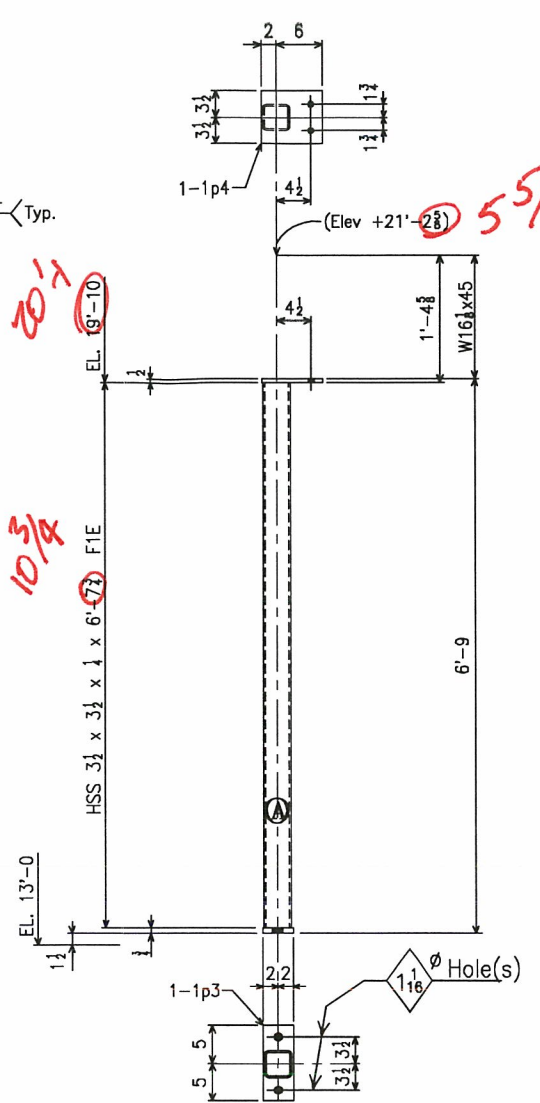
REV. No.	DATE	BY	DESCRIPTION
CSM INDUSTRIAL CONSTRUCTORS 614 Cliff Street Westcliffe, CO 81252 (719) 783-2887			
PROJECT Operations Building Addition H. D. Thompson Regional Water Reclamation Facility		CUSTOMER XXXXX XXXXX	
Division Five Detailing Service 445 D St. (P. O. Box 294) Penrose, Colorado 81240 Tele (719) 372-9411	DWN. BY D5D	DATE 08/17/12	JOB NO. XXXXX
	CHK'D BY XXX	DATE XX/XX/12	DWG. NO. E-1



ONE COL C-5 - (Face A West)
(GALVANIZED)

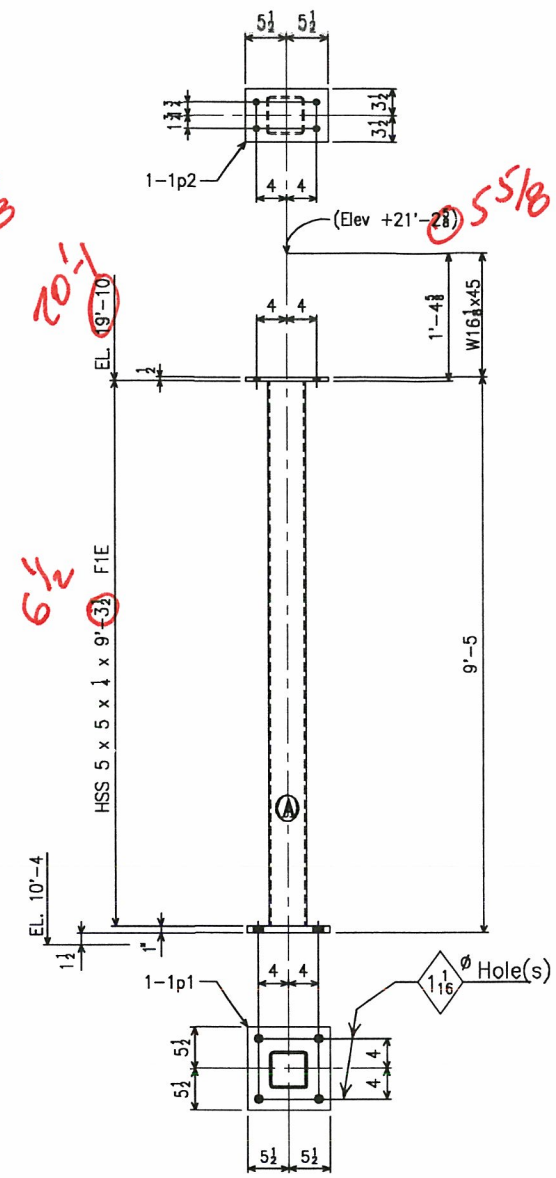


2 COLS C-4 - (Face A West)
(GALVANIZED)



ONE COL C-2 - (Face A South)

ONE COL C-3 - (Face A North)



ONE COL C-1 - (Face A South)

FIELD MARK	SHOP MARK	NO. PCS	SECTION	LENGTH	REMARKS	WT
C-1		One	HSS 5 x 5 x 1/4	9'-5 1/2		145
	1p1	1	PL 1 x 11	11		34.3
	1p2	1	PL 1/2 x 7	11		10.9
C-2		One	HSS 3 1/2 x 3 1/2 x 1/4	6'-7 1/2		70
	1p3	1	PL 1/2 x 4	10		8.5
	1p4	1	PL 1/2 x 7	8		7.9
C-3		One	HSS 3 1/2 x 3 1/2 x 1/4	6'-7 1/2		70
	1p3	1	PL 1/2 x 4	10		8.5
	1p4	1	PL 1/2 x 7	8		7.9
C-4		2	HSS 3 x 3 x 1/4	9'-7 1/2		169
	1p5	2	PL 1/2 x 10	10		14.2
	1p6	2	PL 1/2 x 3 1/2	4		2.1
	1p7	4	PL 1/2 x 4	6		6.8
C-5		One	HSS 3 x 3 x 1/4	4'-9 1/8	Bevel Cut 1 End	42
	1p5	1	PL 1/2 x 10	10		7.1
	1p8	1	PL 1/2 x 3 1/2	4 1/2		1.2
	1p9	2	PL 1/2 x 4	7 1/2		4.0

- General Notes:**
- All steel shapes shall conform to ASTM A36 unless otherwise noted; All wide flange shapes shall conform to ASTM A992, Gr. 50; All steel tube shall conform to ASTM A500, Gr. B; All steel pipe shall conform to ASTM A53 Type E or S, Gr. B; Steel Channel to ASTM A572, Gr. 50.
 - All anchor bolts shall conform to ASTM A307 unless otherwise noted; All headed anchor studs shall conform to ASTM A108.
 - All welding to be per AWS D1.1. Use E70XX low hydrogen electrodes and welds ground smooth where exposed. All welds not otherwise shown shall be 3/16" fillet welds.
 - All bolts to be high strength ASTM A325, Type 1 with heavy hex carbon steel nuts and hardened carbon steel washers. All Holes to be 13/16" diameter unless otherwise noted.

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CLEANING	
PAINT	1-S/C Std. Primer Unless Noted Otherwise
SHOP BOLTS	3/4" A325
OPEN HOLES	13/16" UNLESS NOTED

REV. No.	DATE	BY	DESCRIPTION
CSM INDUSTRIAL CONSTRUCTORS 814 Cliff Street Westcliffe, CO 81252 (719) 783-2867			
PROJECT		CUSTOMER	
Operations Building Addition H. D. Thompson Regional Water Reclamation Facility		XXXXX XXXXX	
Division Five Detailing Service 445 D St. (P. O. Box 294) Penrose, Colorado 81240 Tele (719) 372-9411	DWN. BY D5D	DATE 08/17/12	JOB NO. XXXXX
	CHK'D BY XXX	DATE XX/XX/12	DWG. NO. ONE

