

July 22, 2015

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JUL 23 2015

DIV. OF OIL, GAS & MINING

Permit Supervisor, Utah Coal Regulatory Program  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, UT 84114-5801

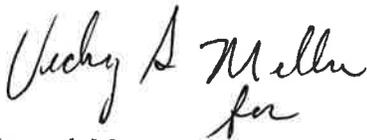
Re: Amendment to MRP to Upgrade Magnet at Transfer Building, Sufco Mine, Canyon Fuel Company, LLC, Permit Number C/041/0002

Dear Sirs:

Please find enclosed with this letter an amendment to the Sufco Mine Permit to address modifications to the Transfer Building to allow the upgrading of the magnet. Bonding for the upgrade is included in this amendment.

If you have questions or need addition information please contact Vicky Miller at (435)286-4481.

CANYON FUEL COMPANY, SUFCO Mine



Kenneth May  
General Manager

Encl.

cc: DOGM Correspondence File

## APPLICATION FOR COAL PERMIT PROCESSING

Permit Change  New Permit  Renewal  Exploration  Bond Release  Transfer

**Permittee:** Canyon Fuel Company, LLC

**Mine:** Sufco Mine

**Permit Number:** C/041/0002

**Title:** Transfer Building – Magnet Upgrade

**Description,** Include reason for application and timing required to implement:

**Instructions:** If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

- Yes  No 1. Change in the size of the Permit Area? Acres: \_\_\_\_\_ Disturbed Area: \_\_\_\_\_  increase  decrease.
- Yes  No 2. Is the application submitted as a result of a Division Order? DO# \_\_\_\_\_
- Yes  No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- Yes  No 4. Does the application include operations in hydrologic basins other than as currently approved?
- Yes  No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- Yes  No 6. Does the application require or include public notice publication?
- Yes  No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- Yes  No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- Yes  No 9. Is the application submitted as a result of a Violation? NOV # \_\_\_\_\_
- Yes  No 10. Is the application submitted as a result of other laws or regulations or policies?

*Explain:* \_\_\_\_\_

- Yes  No 11. Does the application affect the surface landowner or change the post mining land use?
- Yes  No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- Yes  No 13. Does the application require or include collection and reporting of any baseline information?
- Yes  No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- Yes  No 15. Does the application require or include soil removal, storage or placement?
- Yes  No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- Yes  No 17. Does the application require or include construction, modification, or removal of surface facilities?
- Yes  No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- Yes  No 19. Does the application require or include certified designs, maps or calculation?
- Yes  No 20. Does the application require or include subsidence control or monitoring?
- Yes  No 21. Have reclamation costs for bonding been provided?
- Yes  No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- Yes  No 23. Does the application affect permits issued by other agencies or permits issued to other entities?

**Please attach one (1) review copy of the application.**

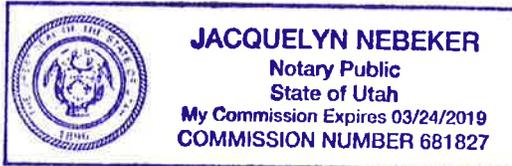
I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

John D. Byers  
Print Name

J. O. Byers Mgr. Tech Servs., 7-22-15  
Sign Name, Position, Date

Subscribed and sworn to before me this 22 day of July, 2015

Jacquelyn Nebeker  
Notary Public  
My commission Expires: \_\_\_\_\_, 20\_\_\_\_ }  
Attest: State of Utah } ss:  
County of Swire



<p><b>For Office Use Only:</b></p>	<p><b>Assigned Tracking Number:</b></p>	<p><b>Received by Oil, Gas &amp; Mining</b></p> <p style="text-align: center; color: blue; font-size: 1.2em;">RECEIVED</p> <p style="text-align: center; color: red; font-weight: bold;">JUL 23 2015</p> <p style="text-align: center; color: blue;">DIV. OF OIL, GAS &amp; MINING</p>
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**CHAPTER 5**  
**ENGINEERING**

APPENDIX 5-9

Reclamation Bond Estimate

**Direct Costs**

Subtotal Demolition and Removal	\$1,725,816.50	
Subtotal Backfilling and Grading	\$1,261,193.00	
Subtotal Revegetation	\$164,246.00	
<b>Direct Costs</b>	<b>\$3,151,255.50</b>	<i>2014 Dollars</i>

**Indirect Costs**

Mob/Demob	\$315,126.00	10.0%
Contingency	\$157,563.00	5.0%
Engineering Redesign	\$78,781.00	2.5%
Main Office Expense	\$214,285.00	6.8%
Project Management Fee	\$78,781.00	2.5%
<b>Subtotal Indirect Costs</b>	<b>\$844,536.00</b>	<b>26.8%</b>

<b>Total Cost</b>	<b>\$3,995,791.50</b>	<i>2014 Dollars</i>
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Escalation factor for 2014		0.019
Number of years from 2005 to 2014		5
Escalation Amount	\$394,302.00	

<b>Reclamation Cost Escalated</b>	<b>\$4,390,093.50</b>	<i>2019 Dollars</i>
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<b>Bond Amount (rounded to nearest \$1,000) 2019</b>	<b>\$4,390,000.00</b>
<b>Dollars</b>	

Posted Bond May 2010	\$2,874,000.00
Difference Between Cost Estimate and Bond	<b>-\$1,516,000.00</b>
Percent Difference	<b>-52.75%</b>

Ref	Description	Abstracts	Access Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Line Number	Unit	Swell Factor	Quantity	Unit	Cost 2005 Dollars
2	Ambulance Garage																		\$3,483.00
68	Annex Building																		\$32,463.00
3	Belt Deicer Tank																		\$0.00
4	Blast Channels A																		\$152,004.00
5	Blast Channels B																		\$56,770.00
6	Bulk and Used Oil Storage																		\$3,372.00
7	Cap Magazine																		\$700.00
8	Chlorinator Bld																		\$765.00
9	Covered Storage																		\$0.00
10	Diesel Tank - 16,900 Gal																		\$2,938.00
11	Drainage Culverts																		\$31,195.00
12	Electrical Bld																		\$1,176.00
13	Fan																		\$7,062.60
14	Fire Water Tank 300,000 Gal																		\$15,841.00
15	Fuel Dock																		\$1,428.00
16	Guard House																		\$535.00
17	Loadout Belt																		\$4,209.00
18	Lower Stacker Coal Storage																		\$3,498.00
19	Lump Coal Belt																		\$1,545.00
20	Lump Coal Storage																		\$2,332.00
67	Mine Pad 1																		\$18,588.00
21	No 1 Belt																		\$4,760.00
22	Office Building																		\$113,321.00
23	Pavement Removal																		\$183,257.00
24	Powder Magazine																		\$790.00
25	Pulley Recks																		\$0.00
26	Pump Houses																		\$1,786.00
27	Riprap Filter Fabric																		\$358,602.00
28	Rock Dust Bin																		\$4,852.00
29	ROM Coal Storage																		\$115,388.00
30	ROM MCC Bld																		\$1,457.00
31	Sampler Building																		\$1,851.00
32	Sand and Salt Storage																		\$3,167.00
33	Seal Portals																		\$59,600.00
34	Sediment Trap																		\$2,358.00
35	Septic Tanks																		\$12,234.00
36	Shelves																		\$5,696.00
37	Shop and Warehouse																		\$109,669.00
38	Shop Garage																		\$18,117.00
39	Shop Office																		\$3,166.00
40	Side Release Tank																		\$1,857.00
41	Steam Cleaner Building																		\$10,744.00
42	Stoker Belt																		\$2,009.00
43	Stoker Bin																		\$11,600.00
44	Stoker Coal Storage																		\$3,411.00
45	Stoker Oil Tanks																		\$4,866.00
46	Storage Trailers																		\$2,142.00
47	Substation Lower*																		\$75,387.00
48	Substation Upper*																		\$0.00
49	Ticket Printers																		\$862.00
50	Tipple Building																		\$68,202.00
51	Tipple MCC Building																		\$5,652.00
52	Tipple Office Building																		\$4,371.00
63	Trash Pit																		\$822.00
53	Transfer Building																		\$14,470.00
54	Truck Loader Bin																		\$3,037.00
55	Truck Scale																		\$49,354.00
56	Water Tank Upper																		\$1,050.00
57	Water Tank Lower																		\$1,050.00
64	West Lease Tunnels																		\$45,811.00
65	Yard Hoist																		\$1,630.00
Link Canyon Facilities																			
59	Link Canyon Portals																		\$366.00
60	Link Canyon Substation																		\$24,055.00
Fourth East Facilities																			
62	Fan Generator Building																		\$4,007.00
69	Four East Fan																		\$22,819.00
Mitigation																			
68	Northwater Mitigation																		\$18,156.00
Total																			\$1,725,818.60

Ref	Description	Materials	Material Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Waste Factor	Quantity	Unit	Cost	
	<b>Transfer Building</b>																				
	New know as transformer building																				
	Structure's Demolition Cost		02 41 16 13 0020	0.27 /CF	CF						15641							15641	CF	4223	
	Structure's Demolition Cost		02 41 16 13 0020	0.27 /CF	CF	81	10	20										16200	CF	4374	
	Structure's Vol. Demolished																	0.2	236	CY	
	Truck's Capacity										12								20	Trips	
	Haulage														3						
	Transportation Cost: Steel Truck																				
	Transportation Cost: Steel Truck Drive																				
	Transportation Cost: Steel Truck & Driver																				
	<b>Subtotal:</b>																				5320
	Equipment's Disposal Cost																				13912
	Dismantling Cost																				
	Equipment's Vol. Demolished																				
	Loading Costs																				
	Transport Costs																				
	Disposal Costs																				
	<b>Subtotal:</b>																				
	Concrete Demolition																				
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost																				
	Transportation Cost																				
	Disposal Costs																				
	<b>Subtotal:</b>																				
	Concrete Demolition																				
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost																				
	Transportation Cost																				
	Disposal Costs																				
	<b>Subtotal:</b>																				
	<b>Total</b>																				14470

Assumptions  
 Buildings with no internal walls  
 2015 Remodel of Magnet Structure  
 Steel Added - 16 CF  
 Concrete w/Steel Added 13.5 CY

APPENDIX 5-11

Upper Mine Yard Details

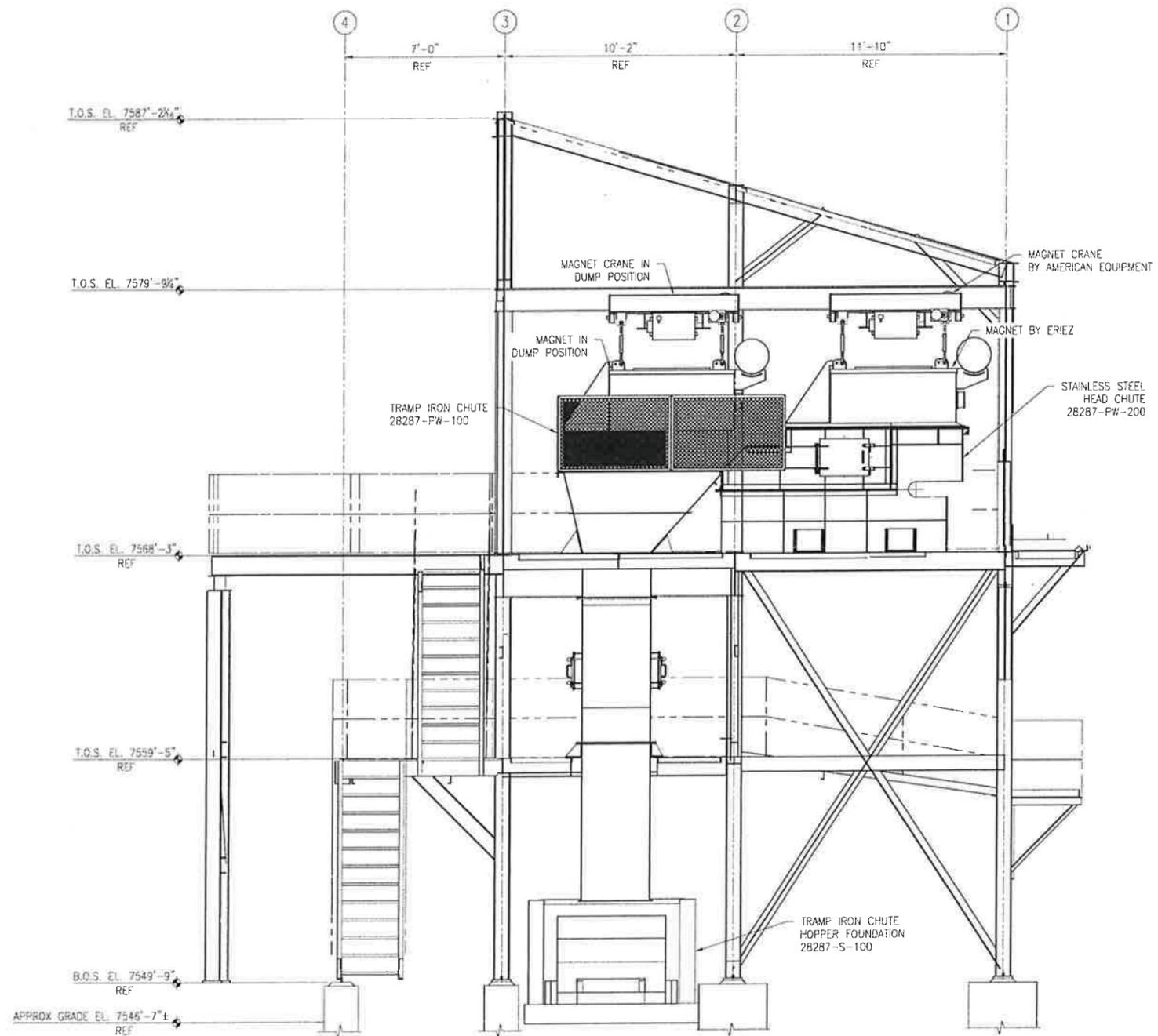
July 21, 2015

**APPENDIX 5-11**

**TRANSFER BUILDING MAGNET UPGRADE**

In 2015 Sufco Mine plans to modify the Transfer Building to upgrade the structure surrounding the magnets. Three drawings are attached, two show views of the existing structure with proposed modifications the third drawing highlights the portions of the structure that will be upgraded.

# SUFCO MINE – CANYON FUEL COMPANY TRANSFER BUILDING MAGNET



ELEVATION @ COL LINE A LOOKING EAST  
SCALE: 1/8" = 1'-0"

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FOR COMMENT  
NOT FOR CONSTRUCTION

NO.	DATE	REVISION	BY	CHK	APP	NO.	DATE	REVISION	BY	CHK	APP	REFERENCE DRAWINGS	NUMBER	REFERENCE DRAWINGS	NUMBER

**TETRA TECH**  
4759 West 2100 South, Suite 400  
Salt Lake City, Utah 84120  
Tel: 301-972-9100

PROJECT # 201-28287		SCALE: AS NOTED	
DWG # 28287-GA-106	A	DESIGNED BY	DATE
SUFCO:	DATE	DRAWN BY	DATE
PROJECT ENGINEER JS	04/23/15	CHECKED BY	DATE
PROJECT MGT JS	04/23/15	PROJECT MGT JS	04/23/15

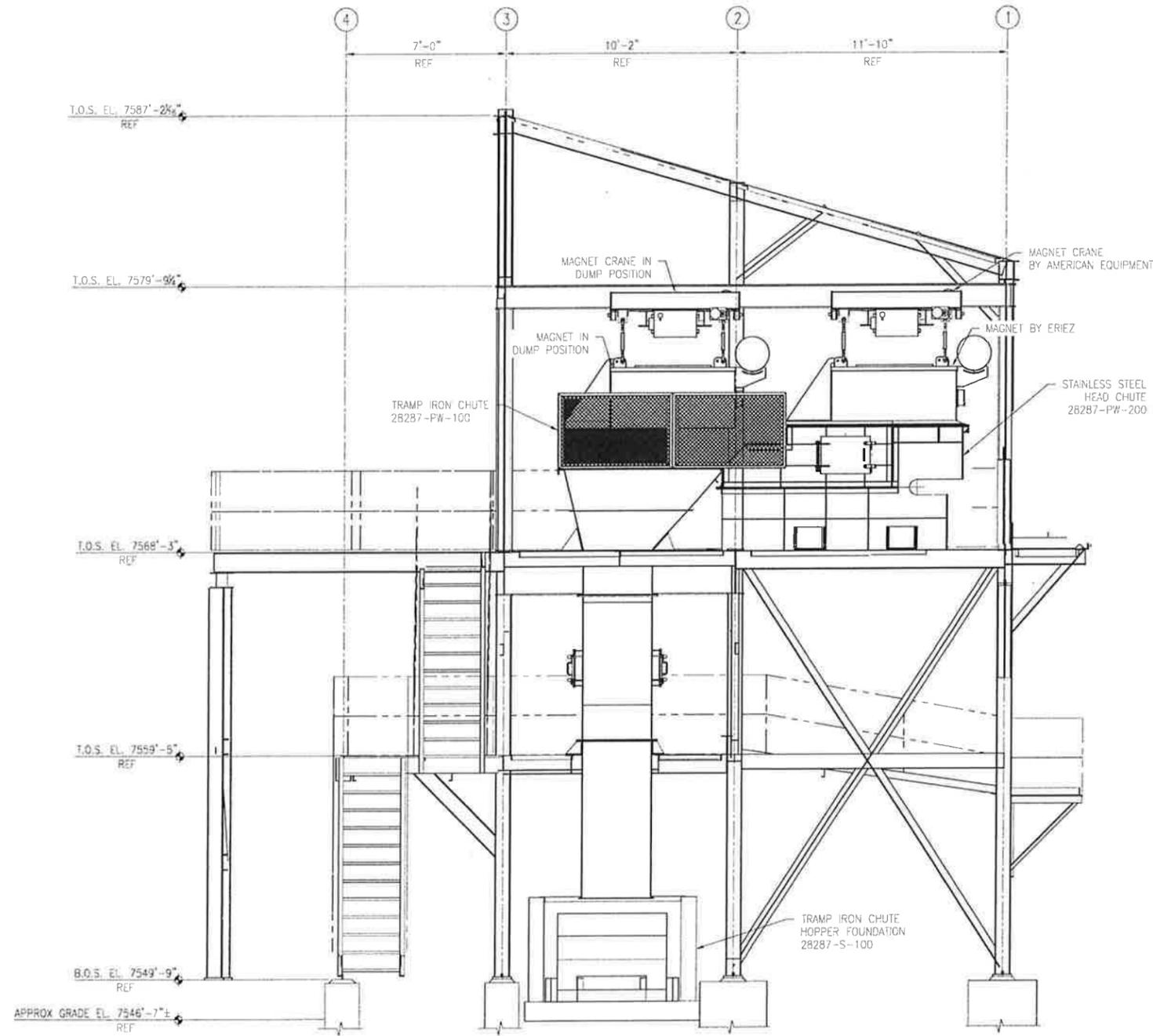
**BOWEN**

GENERAL ARRANGEMENT  
ELEVATION @ COL LINE A  
SUFCO MINE – TRANSFER BLDG MAGNET  
CANYON FUEL COMPANY LLC – SALINA UTAH

JOB No: 201-28287    Dwg No: 28287-GA-106    REV B

ISSUED FOR COMMENT

# SUFCO MINE – CANYON FUEL COMPANY TRANSFER BUILDING MAGNET



ELEVATION @ COL LINE A LOOKING EAST  
SCALE: 1/8"=1'-0"

**FOR COMMENT  
NOT FOR CONSTRUCTION**

NO.	DATE	REVISION	BY	CHK	APP	NO.	DATE	REVISION	BY	CHK	APP	REFERENCE DRAWINGS	NUMBER	REFERENCE DRAWINGS	NUMBER

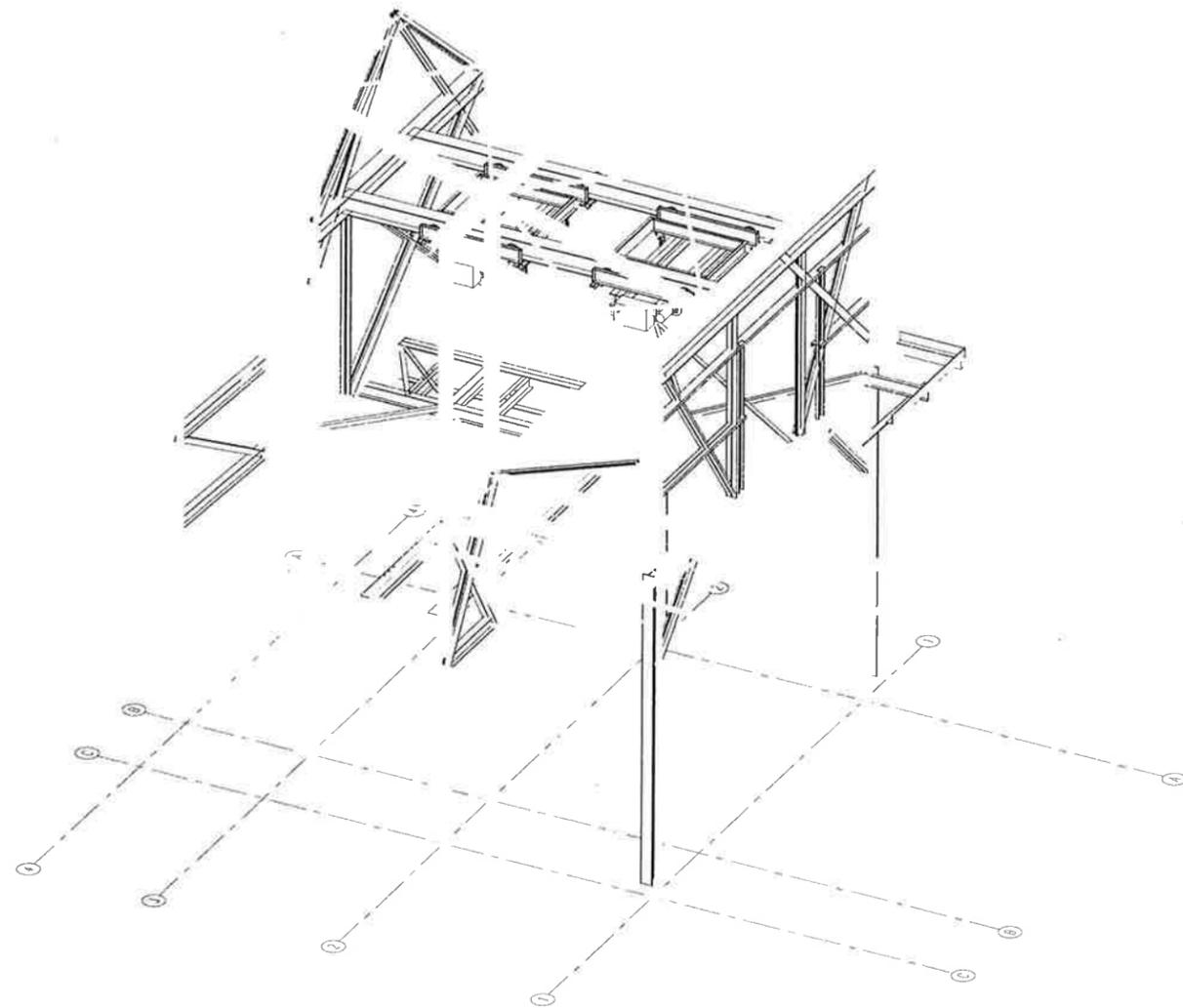
**TETRA TECH** 4750 West 2100 South, Suite 400  
Salt Lake City, Utah 84120  
Tel: 801-472-9100

PROJECT # 201-28287		SCALE: AS NOTED	
DWG # 28287-GA-106	A	DESIGNED BY	TETRA TECH
SUFCO:	DATE	DRAWN BY	DATE
PROJECT ENGINEER JS	04/23/15	CHECKED BY	04/23/15
PROJECT MGR vS	04/23/15	PROJECT MGR JS	04/23/15

**BOWEN**

GENERAL ARRANGEMENT  
ELEVATION @ COL LINE A  
SUFCO MINE – TRANSFER BLDG MAGNET  
CANYON FUEL COMPANY LLC – SALINA UTAH

201-28287      Dwg No. 28287-GA-106      REV B



TRANSFER BUILDING DEMOLITION & MODIFIED STEEL ISOMETRIC VIEW

NOTES:

1. FLOOR BRACING BEING REPLACED; REMOVE BOLTS AND BRACING, WELD ADDED BRACING TO EXISTING PLATES.
2. PAINT PER CANYON FUEL COMPANY'S TRANSFER BUILDING MAGNET - STRUCTURAL STEEL AND PLATE FABRICATION - PAINT SPECIFICATION.

**FOR COMMENT  
NOT FOR CONSTRUCTION**

										 <b>TETRA TECH</b> 4750 West 2100 South, Suite 400 Salt Lake City, Utah 84120 Tel: 801-472-9100					
										PROJECT # 201-28287 SHEET # 28287-D-100		SCALE: NTS TETRA TECH DATE: 04/23/15		DEMOLITION & MODIFIED STEEL ISOMETRIC VIEW SUFCO MINE-TRANSFER BLDG MAGNET CANYON FUEL COMPANY LLC-SALINA UTAH	
										SUFCO: PROJECT ENGINEER JS PROJECT MGMT JS DATE 04/23/15 DATE 04/23/15		CHECKED BY JS PROJECT MGMT JS DATE 04/23/15 DATE 04/23/15		ISSUED FOR COMMENT NO. DATE REVISION BY CHK APP NO. DATE REVISION BY CHK APP BKS JS JS NO. DATE REVISION BY CHK APP NO. DATE REVISION BY CHK APP	
										PROJECT # 201-28287 SHEET # 28287-D-100		SCALE: NTS TETRA TECH DATE: 04/23/15		DEMOLITION & MODIFIED STEEL ISOMETRIC VIEW SUFCO MINE-TRANSFER BLDG MAGNET CANYON FUEL COMPANY LLC-SALINA UTAH	
										SUFCO: PROJECT ENGINEER JS PROJECT MGMT JS DATE 04/23/15 DATE 04/23/15		CHECKED BY JS PROJECT MGMT JS DATE 04/23/15 DATE 04/23/15		ISSUED FOR COMMENT NO. DATE REVISION BY CHK APP NO. DATE REVISION BY CHK APP BKS JS JS NO. DATE REVISION BY CHK APP NO. DATE REVISION BY CHK APP	