

**OWNER:**  
 Union Square Building LLC  
 c/o Brett & Company  
 166 Geary St., Suite 1303  
 San Francisco, CA 94108  
 contact: Stephen Brett

**ARCHITECT:**  
 Huntsman Architectural Group  
 50 California St., 7th Floor  
 San Francisco, CA 94111  
 contact: Patrick Chatfield  
 phone: (415) 394-1212  
 fax: (415) 394-1222  
 email: pchatfield@huntsmanag.com

**STRUCTURAL ENGINEER:**  
 Matrix Seismic Corporation  
 470 Third St., Suite 103  
 San Francisco, CA 94107  
 contact: Behruz Vahdani  
 phone: (415) 896-9044  
 fax: (415) 896-9046  
 email: matrixseismic@aol.com

**ELEVATOR CONSULTANT:**  
 Edgett Williams Consulting Group, Inc.  
 102 East Blithedale, Suite 1  
 Mill Valley, CA 94941  
 contact: Allen Williams  
 phone: (415) 388-1886  
 fax: (415) 388-1890  
 email: amw@ewcwg.com

**ELEVATOR CONTRACTOR:**  
 Schindler Elevator Corporation  
 562 Whitney St  
 San Leandro, CA 94577-1114  
 contact: Bill Mitchell  
 phone: (510) 382-2213  
 fax: (510) 382-2255  
 email: bill\_mitchell@us.schindler.com

# 291 Geary Street San Francisco, CA

## ELEVATOR ALTERATION

*Submittal Layout Shop Drawings*



Schindler Elevator Corporation  
 562 Whitney Street  
 San Leandro, CA 94577-1114

Telephone: (510) 382-2075  
 Fax: (510) 382-2250  
[www.us.schindler.com](http://www.us.schindler.com)

ELEVATOR NO.	SUBMITTAL RECORD
*1 006710	PRELIMINARY. 08/06/2004
*2 006711	FINAL. RECORD SET.

**RGB ELEVATOR CONSULTING, LLC**  
 2117 BUSH ST., SAN FRANCISCO, CA 94115-3103  
 (415) 771-4180 FAX: (415) 354-3454 [RICH@BLASKA.COM](mailto:RICH@BLASKA.COM)

**PRELIMINARY**  
 NOT FOR FABRICATION  
 OR CONSTRUCTION

STRUCTURAL STAMP

DRAWN BY:	REV	DESCRIPTION:	DATE:	BY:
R. BLASKA				
FRM: RGB ELEVATOR CONSULTING, LLC				
DRAW DATE: 08/06/2004				
DIMENSIONS: N/A				

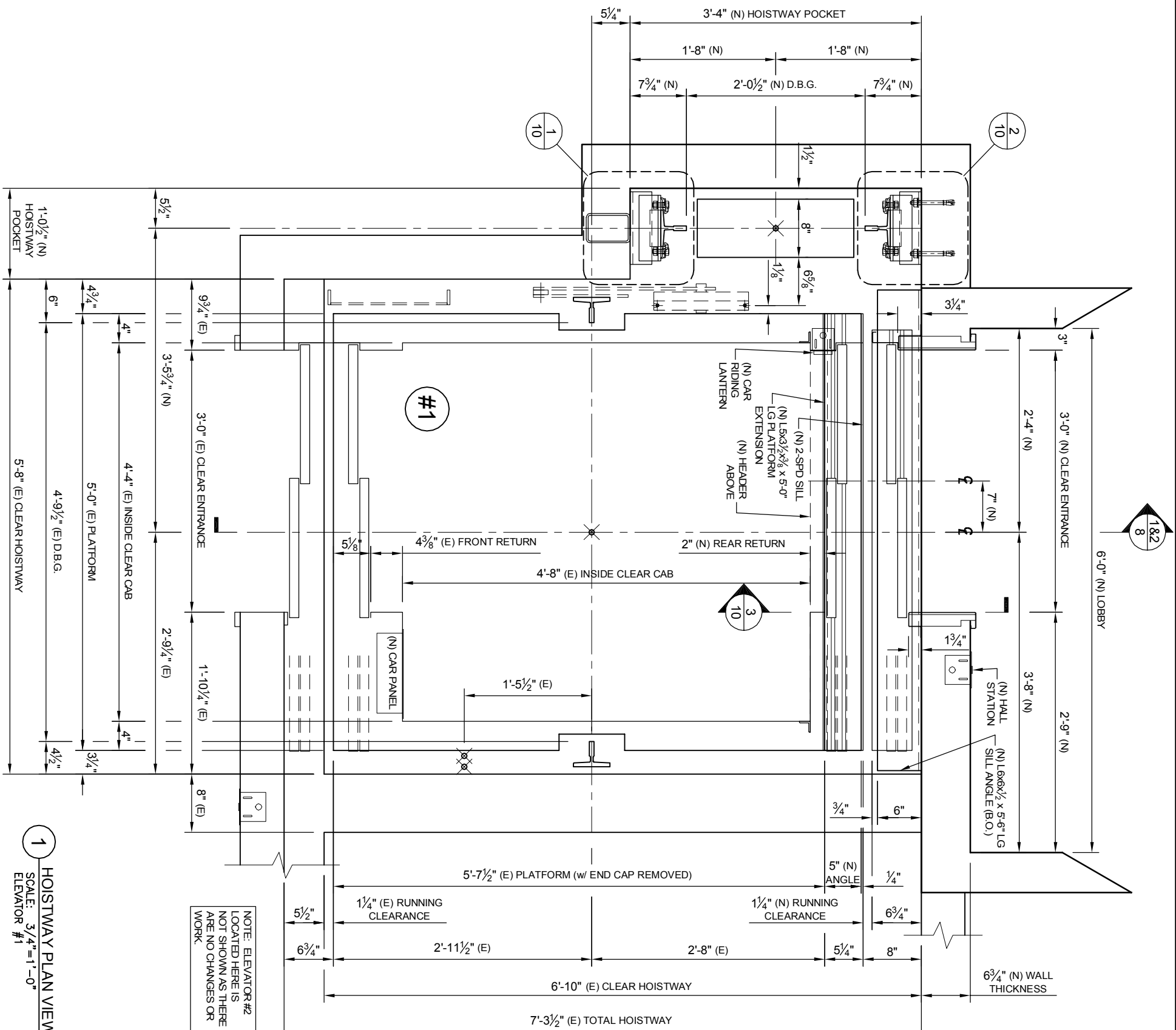
**Schindler**  
 Schindler Elevator Corporation  
 562 Whitney Street  
 San Leandro, CA 94577-1114  
 Telephone: (510) 382-2075  
 Fax: (510) 382-2250  
[www.us.schindler.com](http://www.us.schindler.com)

PROJECT:	291 Geary Street San Francisco, CA		
OWNER:	Union Square Building LLC		
CONSULTANT:	Edgett Williams Consulting Group, Inc.		
DWG.:	COVER SHEET & CONTRACT INFO	REV	DWG.# 1
SCALE:	N/A	STATE NO.:	006710/1
			SHEET 1 OF 10

**ABBREVIATIONS:**

ADA = AMERICANS WITH DISABILITIES ACT  
 AFF = ABOVE FINISH FLOOR  
 ASSY. = ASSEMBLY  
 B.O. = BY OTHERS OR OWNER  
 C = CHANNEL  
 CCR = CALIFORNIA CODE OF REGULATIONS  
 CWT. = COUNTERWEIGHT  
 D.B.G. = DIMENSION BETWEEN GUIDE RAILS  
 DWGS. = DRAWINGS  
 E = EXISTING TO REMAIN  
 FPM = FEET PER MINUTE  
 GA. = GAUGE  
 GFCI = GROUND FAULT CIRCUIT INTERRUPTER  
 H.W. = HOLLISTER WHITNEY  
 I.D. = INSIDE DIMENSION  
 L = ANGLE  
 L.H. = LEFT HAND  
 LNDG = LANDINGS(S)  
 MCE = MOTION CONTROL ENGINEERING  
 N = NEW  
 N.I.C. = NOT IN CONTRACT  
 N.T.S. = NOT TO SCALE  
 O.C. = ON CENTER  
 O.D. = OUTSIDE DIMENSION  
 O.V.H.D. = OVERHEAD  
 PL = PLATE  
 R = REMODEL/REFURBISH EXISTING  
 REQ. = REQUIRED  
 R.H. = RIGHT HAND  
 T.B.C. = TO BE CONFIRMED  
 T.B.D. = TO BE DETERMINED  
 TYP. = TYPICAL  
 T.O.S. = TOP OF STEEL  
 TS = TUBE STEEL  
 U.O.N. = UNLESS OTHERWISE NOTED  
 V.I.F. = VERIFY IN THE FIELD

**STRUCTURAL STAMP**



**1 HOISTWAY PLAN VIEW**  
 SCALE: 3/4"=1'-0"

**EQUIPMENT DATA**

ELEVATOR QUANTITY:	(E) Two (2)	ELEVATOR DESIGNATION:	(E) #1 & 2
EQUIPMENT MANUFACTURER:	Olis Elevator Co.	TYPE OF SERVICE:	(E) Passenger
RATED CAPACITY:	(E) 1,800 lbs.	TOTAL RISE:	#1: (N) 84'-9" #2: (E) 82'-11"
CONTRACT SPEED:	(E) 325 fpm	LANDINGS SERVED:	#1: (N) 14 #2: (E) 7
STOPS & OPENINGS:	#1: (N) B, L, 2, 2R, 3, 3R, 4, 4R, 5, 5R, 6, 6R, 7 & 7R #2: (E) L, 2, 3, 4, 5, 6 & 7	ENTRANCE SIZE & TYPE:	(E) & (N) 3'-0" x 7'-0" Two-Speed, Slide Opening
PLATFORM SIZE:	#1: (E) 5'-0" W x 5'-7 1/2" D w/ (N) 5" Extension @ Rear #2: (E) 5'-0" W x 5'-7 1/2" D	ELEVATOR TYPE:	(E) Geared Basement Traction, Roped 1:1
DRIVE MACHINE ROOM:	(E) Adjacent @ Basement		
DRIVE MACHINE:	(E) H.W. #53 O.D. R/H Basement Traction		
DRIVE MOTOR:	(E) Imperial 25 HP DC		
CONTROL TYPE:	#1: (N) MCE Solid State (T.B.D.) #2: (E) MCE Solid State DC SCR		
CONTROL OPERATOR:	(E) Duplex	HEAT GENERATION:	(E) 9,500 BTU/HR/E/A
INCOMING VOLTAGE:	(E) 208 VAC	MAINLINE DISCONNECT:	(E) 150 Amp Fused
FULL LOAD RUN CURRENT:	(T.B.C.)	ACCELERATING CURRENT:	(T.B.C.)
TRANSFORMER (IF REQ.):	(T.B.C.)		
DOOR EQUIPMENT:	(E) GAL MOH & (N) GAL MOV-FR 2-Spd		
CAR OPERATING FIXTURES:	#1: (N) EPCC ADA Compliant #2: (E) ADA Compliant		
HALL FIXTURES:	#1: (N) EPCC ADA Compliant @ Rear #1 & 2: (E) ADA Compliant & Front		
GOVERNOR MODEL:	(E) H.W. #205	GOVERNOR LOCATION:	(E) Overhead
SAFETY BRAKE:	(E) H.W. #480	TENSION WEIGHT:	(E) H.W. #191
CAR BUFFERS:	(E) Olis Oil	GOVERNOR ROPE WEIGHT:	(E) H.W. #500
HOIST ROPE QUANTITY/TYPE:	(E) 1/2" Ø (4)	GOVERNOR ROPE SIZE:	(E) 3/8" Ø
HOIST ROPING TYPE:	(E) 1:1 Bsmt.	OVERHEAD SHEAVES:	(E) H.W. #331.9 (20" Ø) & 331.92 (25" Ø)
CAR GUIDE-RAIL SIZE:	(E) 15 Lb/Ft	CWT. GUIDE-RAIL SHEAVES:	#1: (N) 12 Lb/Ft #2: (E) 8 Lb/Ft
CAR GUIDE-RAIL TYPE:	(E) Olis Non-Seismic	CWT. GUIDERAIL BRACKETS:	#1: (N) Seismic #2: (E) Olis Non-Seismic
CAR GUIDES:	(E) Slide Type	CWT. GUIDES:	(E) Slide Type
DERAILMENT DETECTOR:	(E) Ring & String	SEISMIC SWITCH:	N/A
ENTRANCE PROTECTION:	(E) Entrance Screen @ Front Opngs. (N) Entrance Screen @ Rear Opngs.		

**WEIGHTS**

ELEVATOR:	#1	#2
RATED CAPACITY:	(E) 1,800#	(E) 1,800#
EMPTY CAR (#1 EST):	(N) 4,210#	(E) 3,460#
COUNTERWEIGHT(N):	4,930#	(E) 4,180#
ROPE & TRAV. CABLE:	(N) 725#	(E) 625#
GROSS LOAD:	(N) 11,665#	(E) 10,065#

**MISC.**

DRAWN BY:	R. BLASKA	REV	DESCRIPTION:	DATE:	BY:
FRM:	ROB ELEVATOR CONSULTING, LLC				
DRAW DATE:	08/08/2004				
DIMENSIONS:	FEET & INCHES				

**Schindler**  
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 www.us.schindler.com

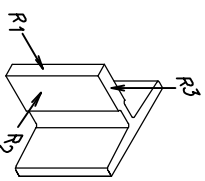
**PROJECT:** 291 Geary Street  
 San Francisco, CA  
**OWNER:** Union Square Building LLC

**CONSULTANT:** Edgett Williams Consulting Group, Inc.  
**DWG.:** HOISTWAY PLAN VIEW & EQUIPMENT DATA  
**SCALE:** 3/4"=1'-0" STATE NO.: 006710/11

**NOTES:**

1. SEE SCHINDLER PROPOSAL SPECIFICATIONS AND APPROVED CONTRACT DOCUMENTS, IN ADDITION TO THESE DRAWINGS, FOR COMPLETE SCOPE OF WORK. THE BASIC WORK IS THE ADDITION OF REAR OPENINGS TO ELEVATOR #1 INTO THE ADJOINING STRUCTURE AT FLOORS 2 THROUGH 7. THESE LANDINGS ARE APPROXIMATELY 1'-10" ABOVE THE FRONT LANDINGS, TO ACCOMMODATE THE CHANGE. THE COUNTERWEIGHT, OVERHEAD SHEAVES, COUNTERWEIGHT GUIDERAILS AND BUFFER WILL BE RELOCATED FROM THE REAR TO THE SIDE.
2. AS TWO OF THE OVERHEAD SHEAVES FOR ELEVATOR #1 WILL BE RELOCATED AND THE GROSS LOAD WILL BE INCREASED BY MORE THAN 5%, THE ADEQUACY OF THE AFFECTED BUILDING STRUCTURE TO SUPPORT THE LOADS MUST BE VERIFIED BY LICENSED STRUCTURAL ENGINEER AS REQUIRED BY ASME A17.1, 1998 RULE 1201.5. SOME DEVIATION IN FINAL LOCATIONS AND DIMENSIONS MAY BE REQUIRED AS NECESSITATED BY ACTUAL FIELD CONDITIONS. COMPLIANCE WITH ALL CODES REGARDING FIELD PLACEMENTS, LOCATIONS AND DIMENSIONS WILL BE FOLLOWED. DUE TO SURVEY ACCESSIBILITY DIFFICULTIES, ALL DIMENSIONS SHOWN SHOULD BE RECONFIRMED FOR ACCURACY IN THE FIELD.
3. THIS EQUIPMENT, AS ALTERED BY THIS MODERNIZATION, IS DESIGNED ACCORDING TO THE REQUIREMENTS OF ASME A17.1, 1998 SAFETY CODE FOR ELEVATORS AND ALL STATE & LOCAL CODES.
4. THE FEATURES FOR THE BENEFIT OF THE DISABLED ARE PROVIDED AS REQUIRED BY THE AMERICANS WITH DISABILITIES ACT (A.D.A.).
5. DUE TO THE SIZE OF THE CAR, THE ELEVATORS WILL NOT COMPLY WITH CCR TITLE 8, MEDICAL EMERGENCY AMBULANCE STRETCHER ACCOMMODATION. HOWEVER, THE CONTROL AND OPERATION FUNCTIONS OF THIS CODE ARE PROVIDED.
6. IF SPRINKLER HEADS ARE INSTALLED IN THE MACHINE ROOM, THE OVERHEAD SHEAVE ROOM AND/OR THE ELEVATOR HOISTWAY AFTER THE CALIFORNIA ADOPTION OF THE ASME A17.1 ELEVATOR CODE ON OCTOBER 25, 1998, SHUNT-TRIP POWER INTERRUPT IS REQUIRED.

**STRUCTURAL STAMP**

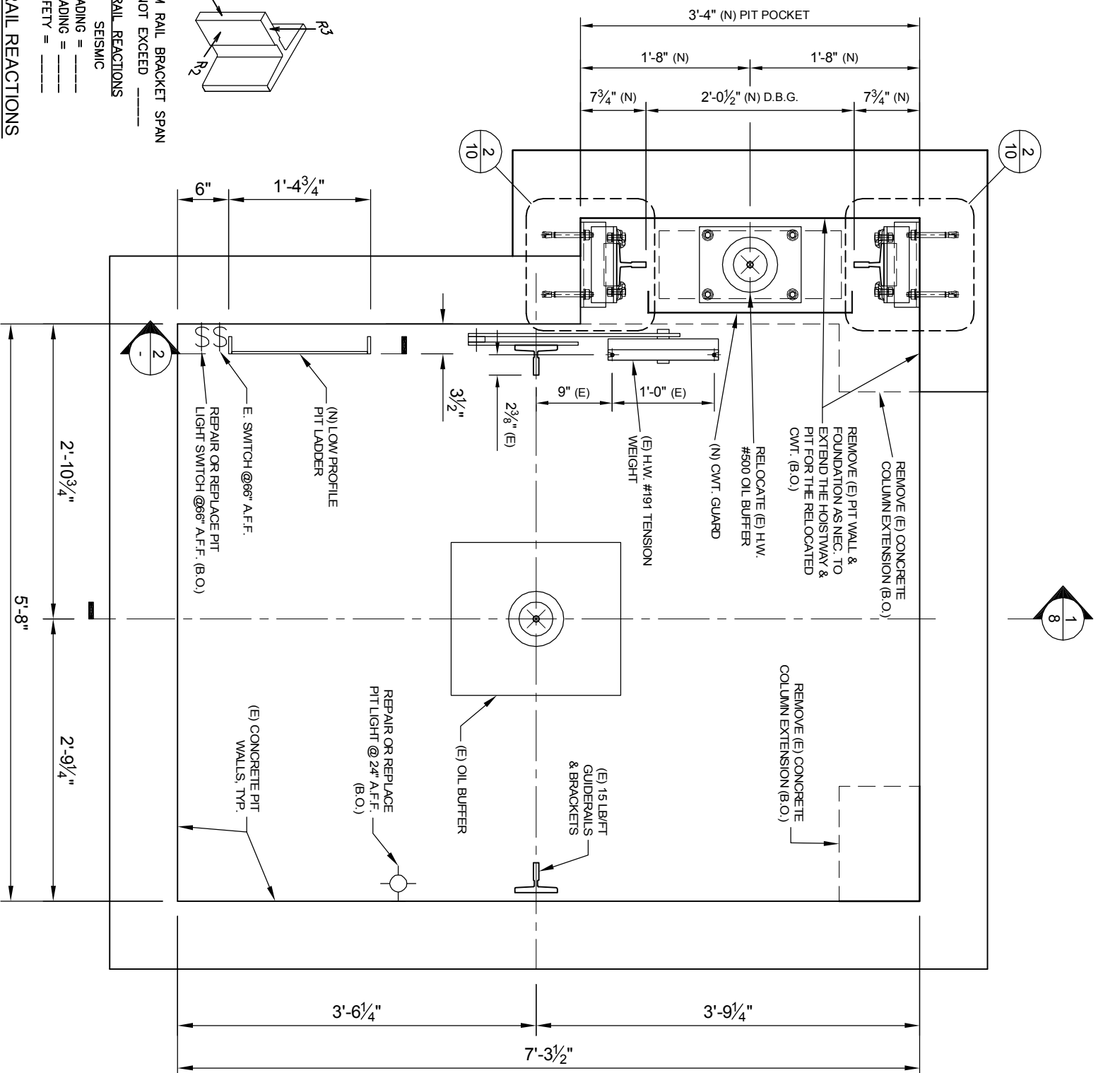


MAXIMUM RAIL BRACKET SPAN SHALL NOT EXCEED \_\_\_\_\_  
 RAIL REACTIONS SEISMIC  
 R1 LOADING = \_\_\_\_\_  
 R2 LOADING = \_\_\_\_\_  
 R3 SAFETY = \_\_\_\_\_

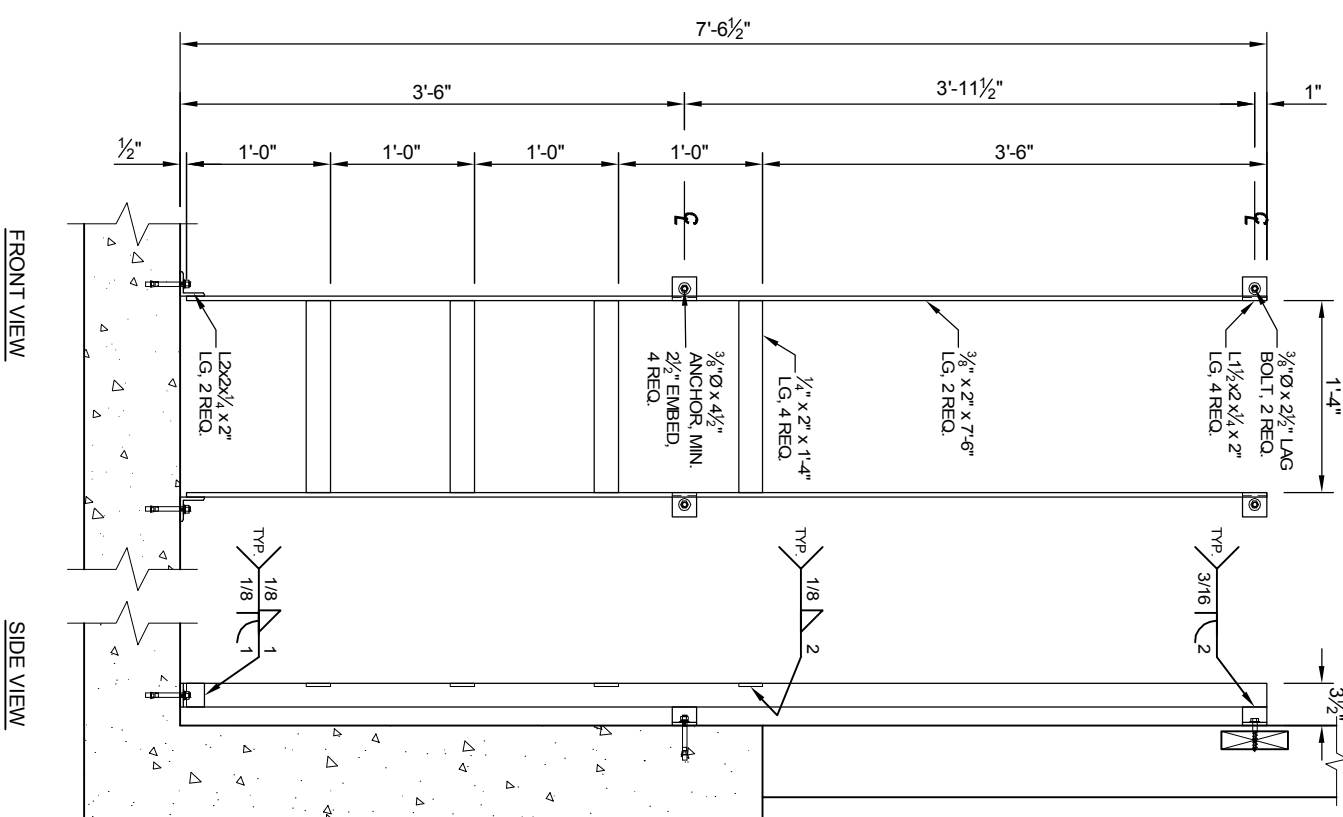
**CWT. RAIL REACTIONS**

MAXIMUM RAIL BRACKET SPAN SHALL NOT EXCEED \_\_\_\_\_  
 RAIL REACTIONS SEISMIC  
 R1 LOADING = \_\_\_\_\_  
 R2 LOADING = \_\_\_\_\_  
 R3 SAFETY = \_\_\_\_\_

**MAIN RAIL REACTIONS**



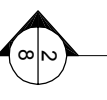
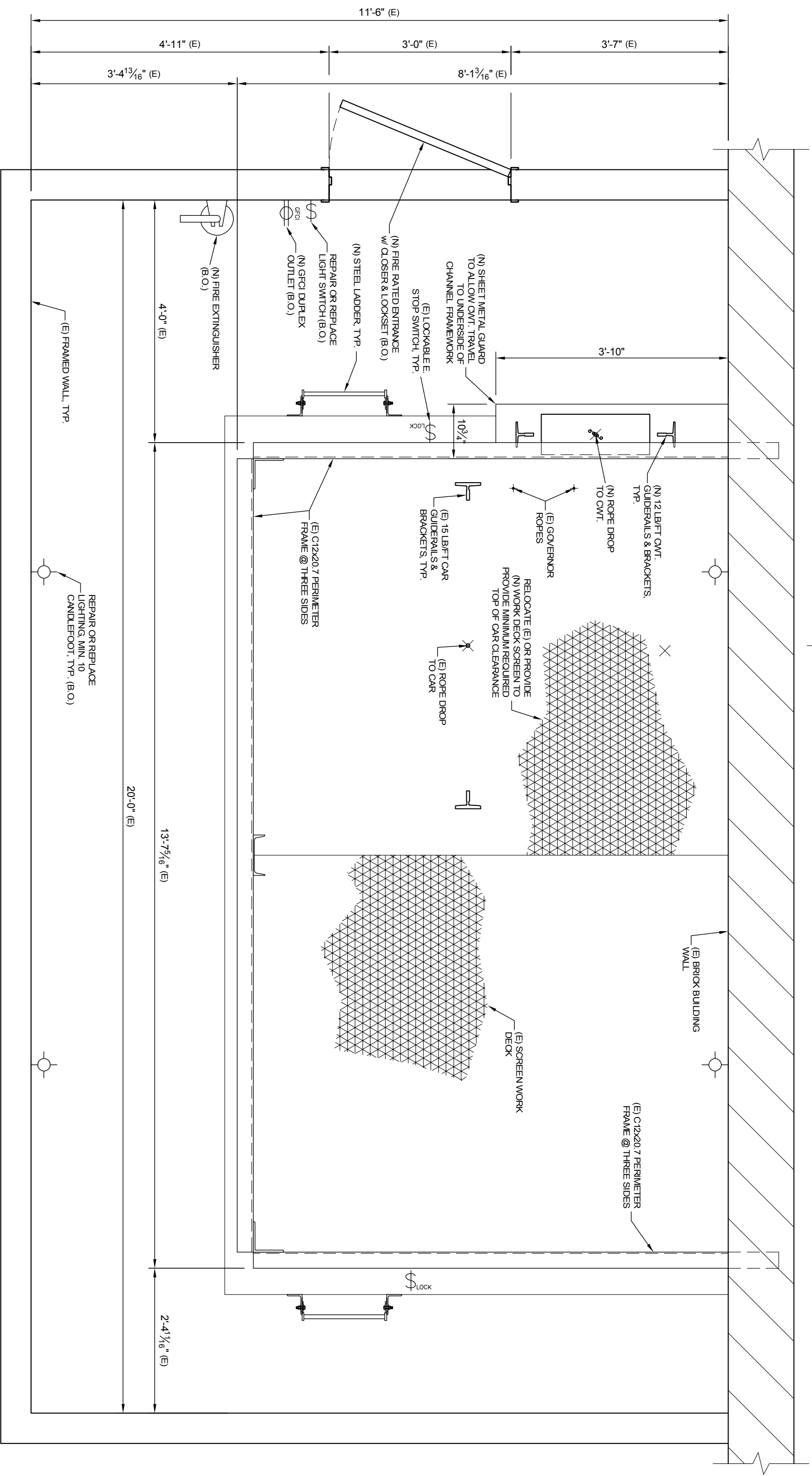
**1 PIT PLAN VIEW**  
 SCALE: 3/4"=1'-0"



**2 PIT LADDER DETAILS**  
 SCALE: 3/4"=1'-0"

DRAWN BY: R. BLASKA FRM: ROE ELEVATOR CONSULTING LLC DRAW DATE: 08/06/2004 DIMENSIONS: FEET & INCHES	REV. DESCRIPTION: . . . . . DATE: BY:	OWNER: Union Square Building LLC CONSULTANT: Edgett Williams Consulting Group, Inc. PROJECT: 291 Geary Street San Francisco, CA DWG.: PIT PLAN VIEW, PIT LADDER DETAILS & NOTES SCALE: 3/4"=1'-0" STATE NO.: 006710/11	REV. DWG.# 3 SHEET 3 OF 10
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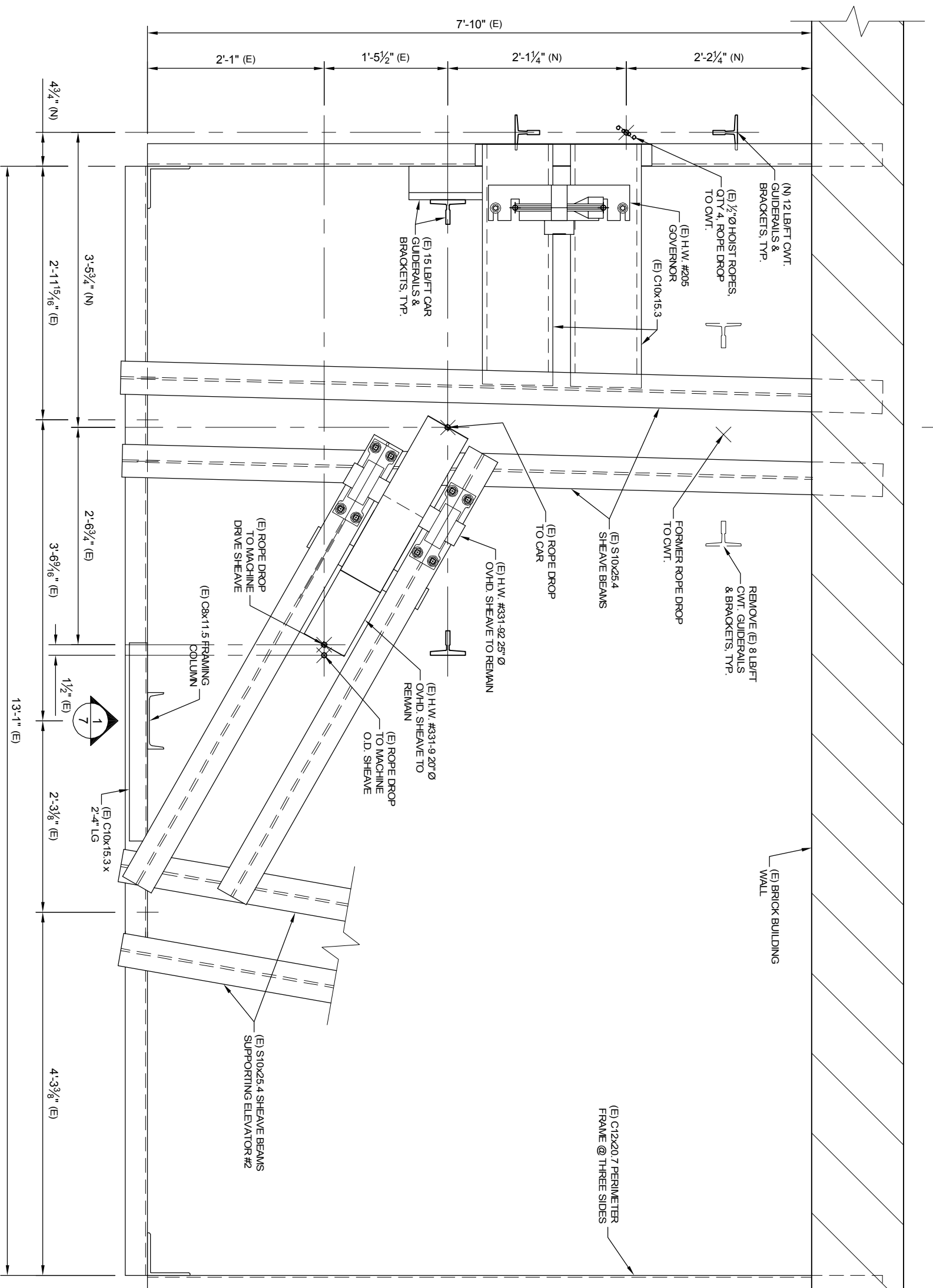
1 OVHD. SHEAVE ROOM PLAN  
SCALE: 5/8"=1'-0"

DRAWN BY:	REV	DESCRIPTION:	DATE:	BY:
R. BLASKA	.			
RCB ELEVATOR SENSIBILITIES, LLC	.			
DRAW DATE:	.			
08/06/2004	.			
DIMENSIONS: FEET & INCHES				

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PROJECT:	291 Geary Street San Francisco, CA
OWNER:	Union Square Building LLC
CONSULTANT:	Edgett Williams Consulting Group, Inc.
DWG.:	OVERHEAD SHEAVE ROOM PLAN
SCALE:	5/8"=1'-0" STATE NO.: 006710/11
REV	DWG.#
-	4
SHEET 4	OF 10



1 OVHD. SHEAVE BEAM PLAN - LOWER  
SCALE: 3/4"=1'-0"

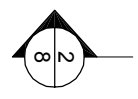
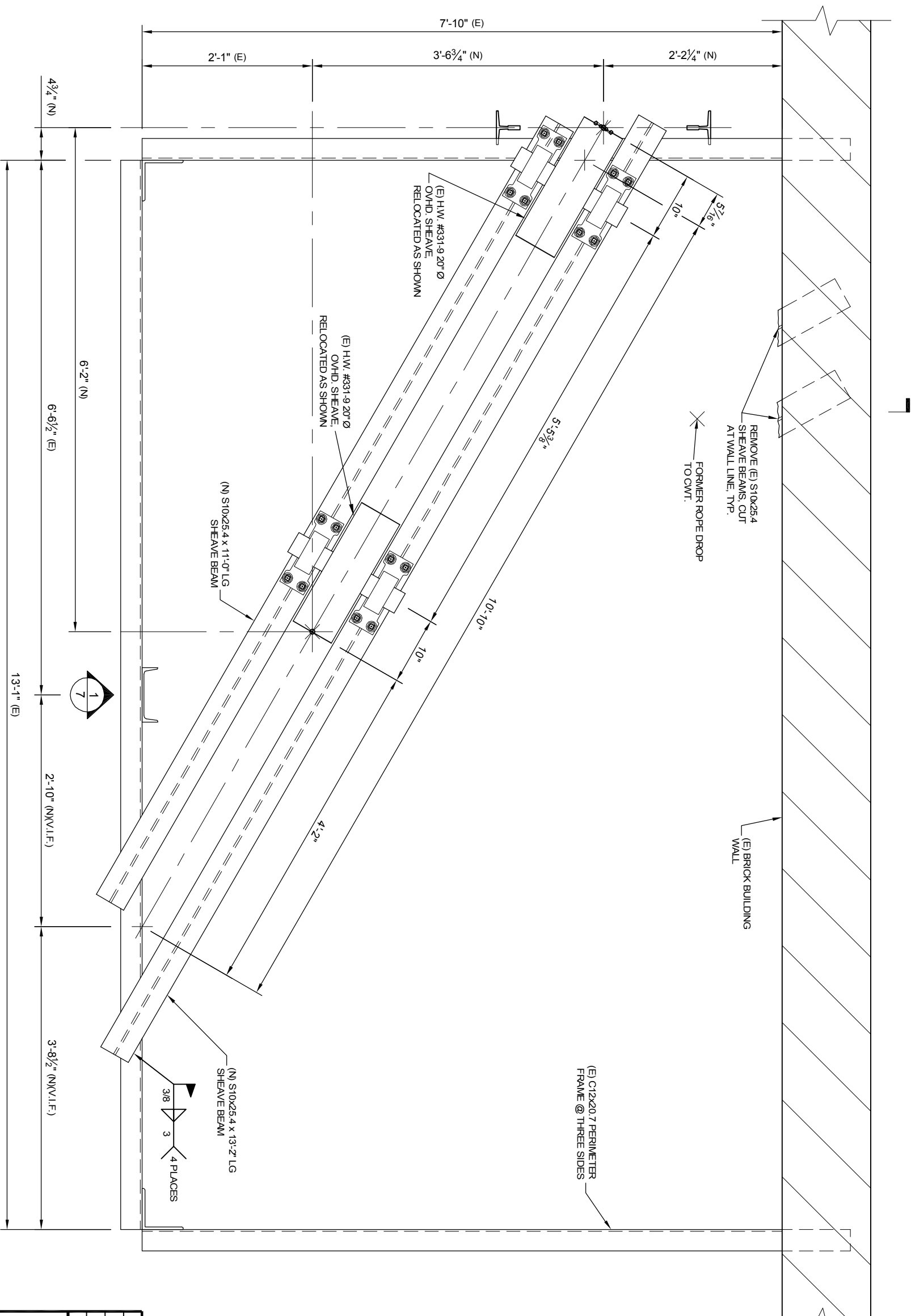
STRUCTURAL STAMP

REV	DESCRIPTION:	DATE:	BY:

**Schindler**  
Schindler Elevator Corporation  
562 Whilney Street  
San Leandro, CA 94577-1114  
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www.us.schindler.com

PROJECT: 291 Geary Street  
San Francisco, CA  
OWNER: Union Square Building LLC  
CONSULTANT: Edgett Williams Consulting Group, Inc.

DWG.: OVERHEAD SHEAVE BEAM  
PLAN - LOWER  
SCALE: 3/4"=1'-0" STATE NO.: 006710/11  
REV: -  
DWG.#: 5  
SHEET 5 OF 10



1 OVHD. SHEAVE BEAM PLAN - UPPER  
SCALE: 3/4"=1'-0"

STRUCTURAL STAMP

DRAWN BY:	REV	DESCRIPTION:	DATE:	BY:
R. BLASKA				
RDB ELEVATOR CONSULTING, LLC				
DRAW DATE:				
08/08/2004				
DIMENSIONS: FEET & INCHES				

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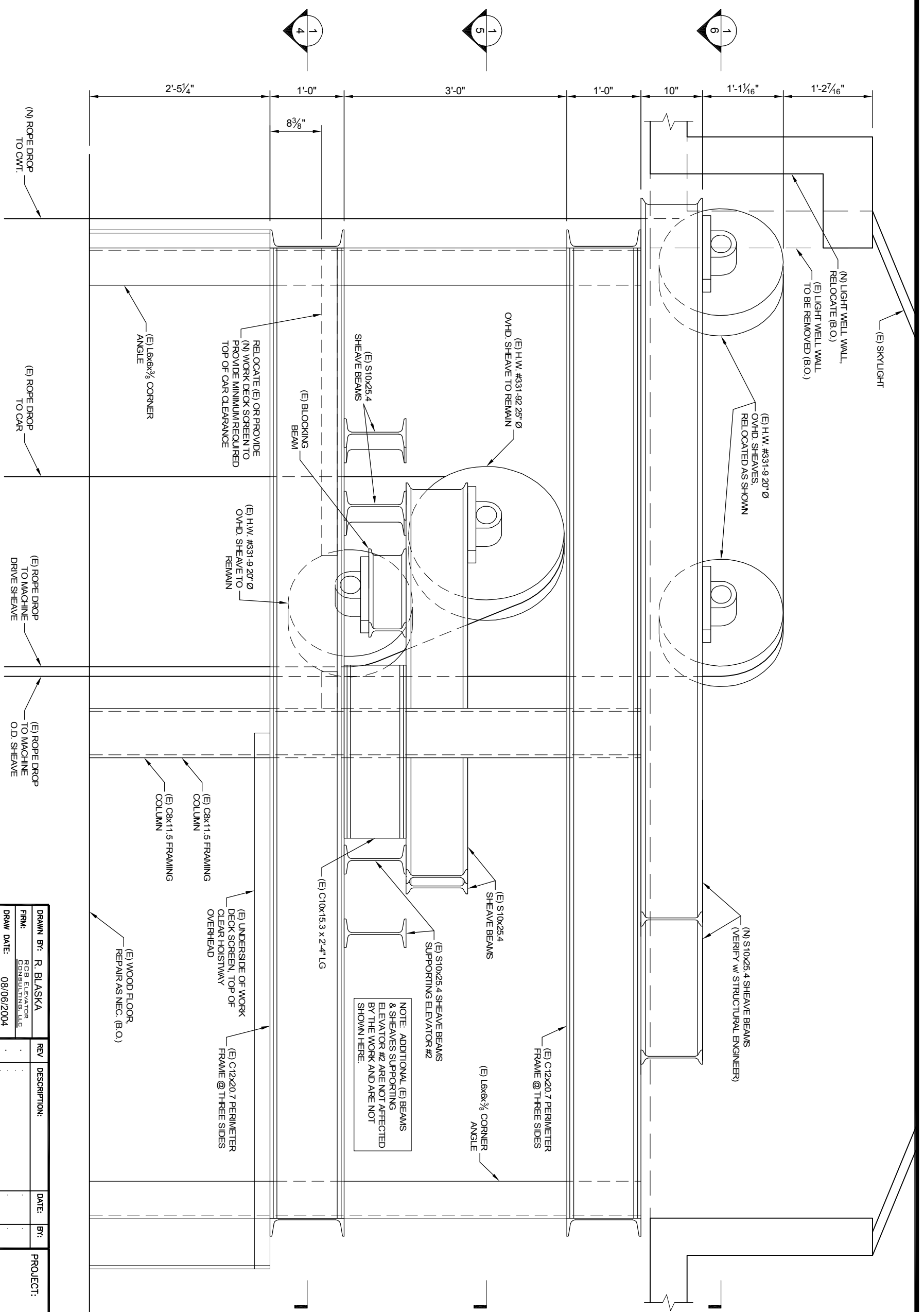
PROJECT: 291 Geary Street  
San Francisco, CA

OWNER: Union Square Building LLC

CONSULTANT: Edgett Williams Consulting Group, Inc.

DWG.: OVERHEAD SHEAVE BEAM  
PLAN - UPPER  
REV: -  
DWG.#: 6  
SHEET 6 OF 10

SCALE: 3/4"=1'-0" STATE NO.: 006710/11



STRUCTURAL STAMP

NOTE: PROVIDE ALTERED OR NEW STRUCTURAL FRAMING & SUPPORTS AS NEEDED. SEE SEPARATE STRUCTURAL ENGINEERING (B.O.)

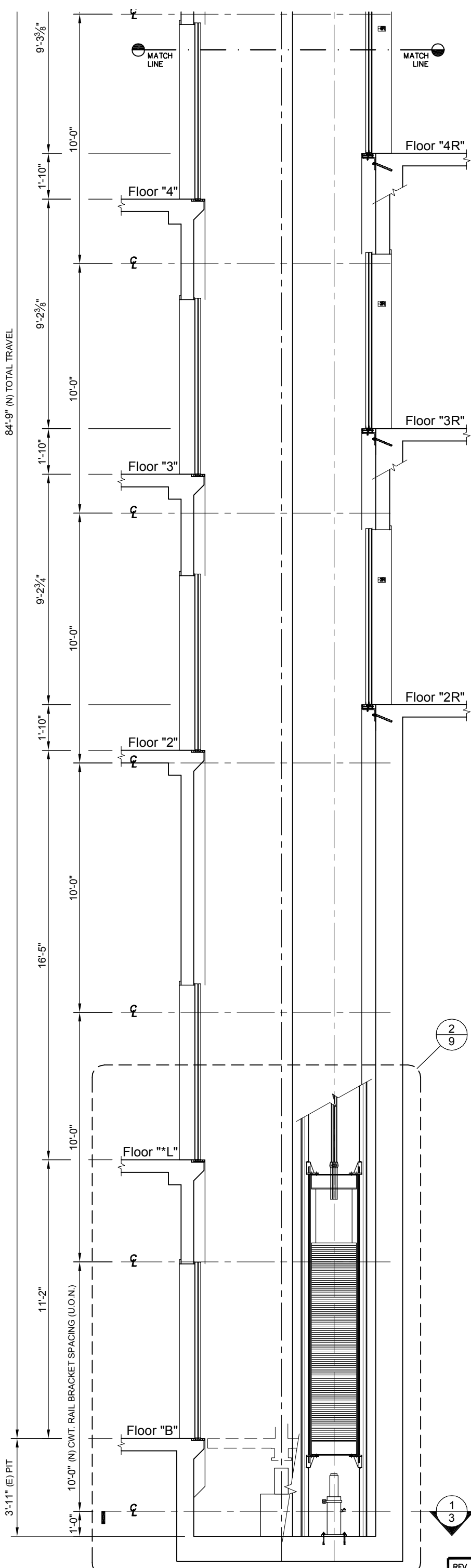
NOTE: ADDITIONAL (E) BEAMS & SHEAVES SUPPORTING ELEVATOR #2 ARE NOT AFFECTED BY THE WORK AND ARE NOT SHOWN HERE

1 OVHD. SHEAVE BEAM SECTION  
SCALE: 3/4"=1'-0"

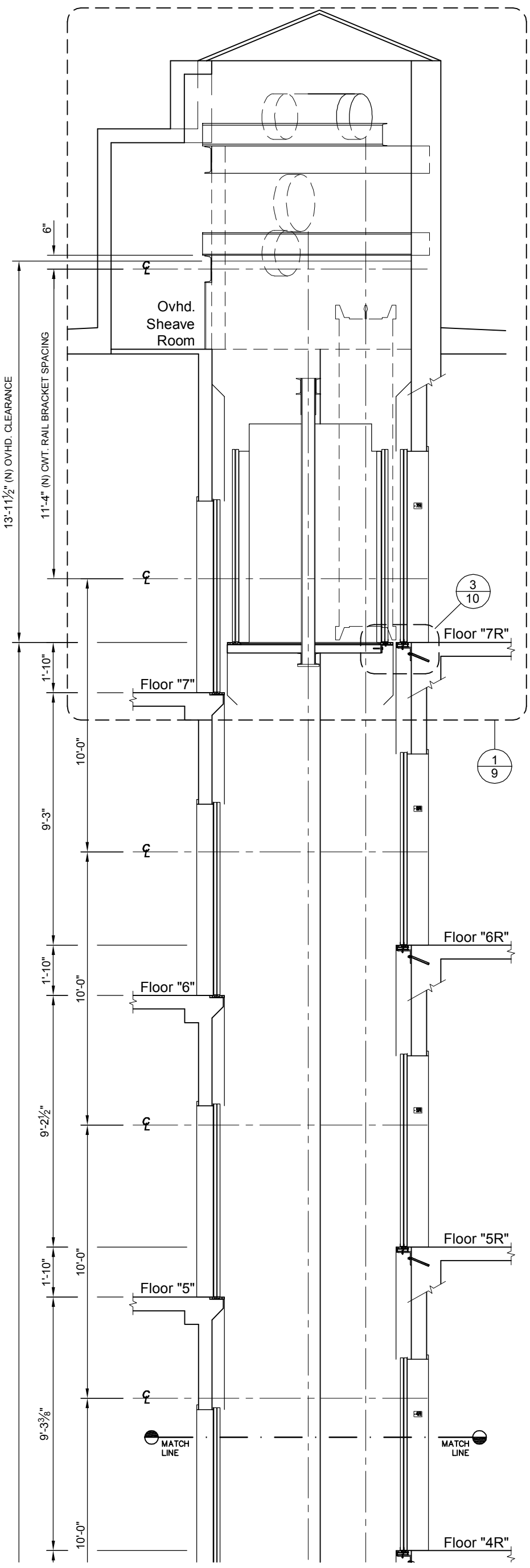
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R. BLASKA	.			
RCB ELEVATOR SERVICES, INC.	.			
DRAW DATE: 08/06/2004	.			
DIMENSIONS: FEET & INCHES				

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PROJECT:	291 Geary Street San Francisco, CA
OWNER:	Union Square Building LLC
CONSULTANT:	Edgett Williams Consulting Group, Inc.
DWG.:	OVERHEAD SHEAVE BEAM SECTION
SCALE:	3/4"=1'-0"
STATE NO.:	006710/11
REV	DWG.#
-	7
SHEET	7 OF 10



**1** HOISTWAY SECTION - LOWER  
SCALE: 1/4"=1'-0"



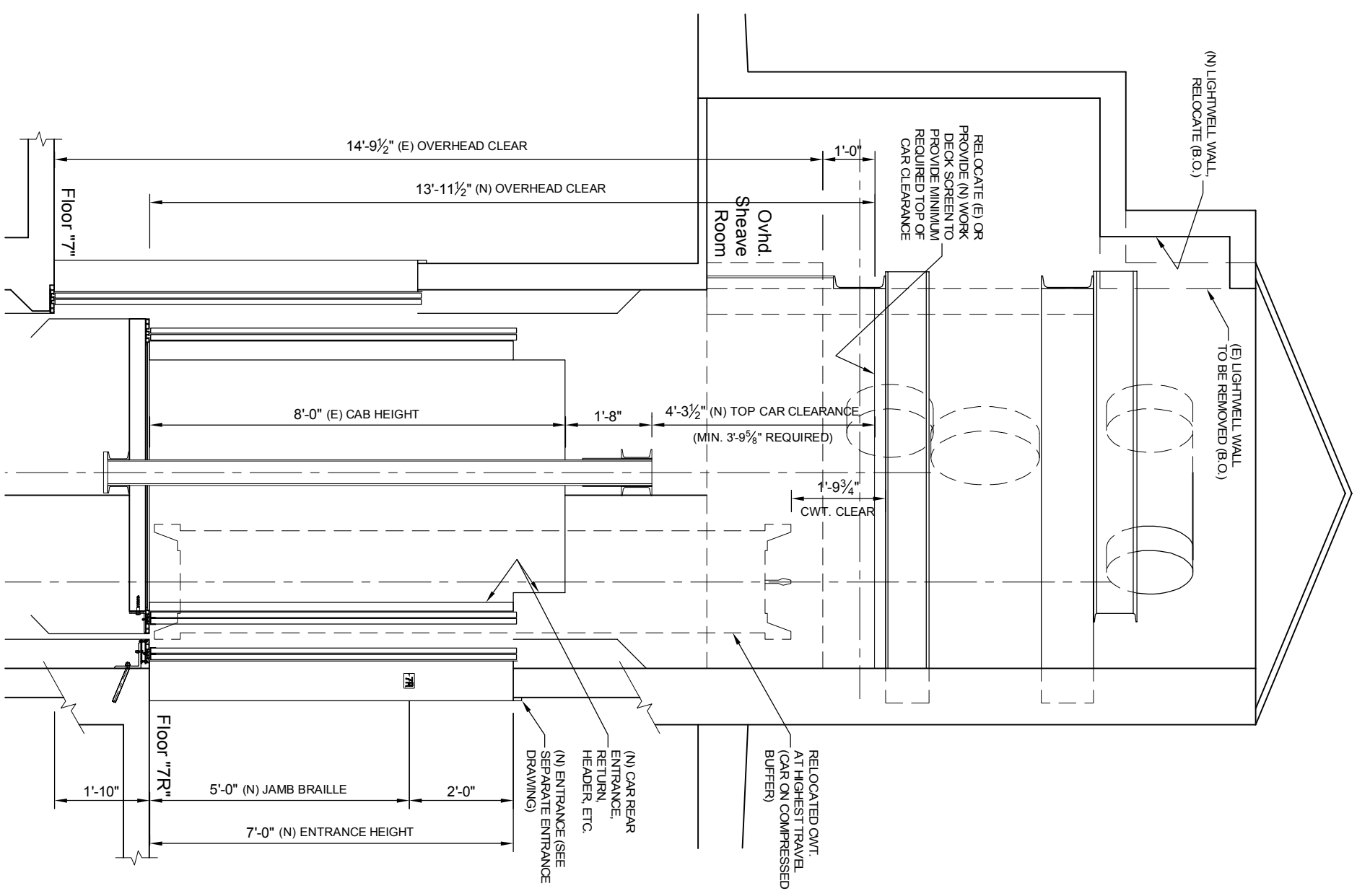
**2** HOISTWAY SECTION - UPPER  
SCALE: 1/4"=1'-0"

DRAWN BY: R. BLASKA  
FIRM: RCB ELEVATOR CONSULTING, LLC  
DRAW DATE: 08/06/2004  
DIMENSIONS: FEET & INCHES

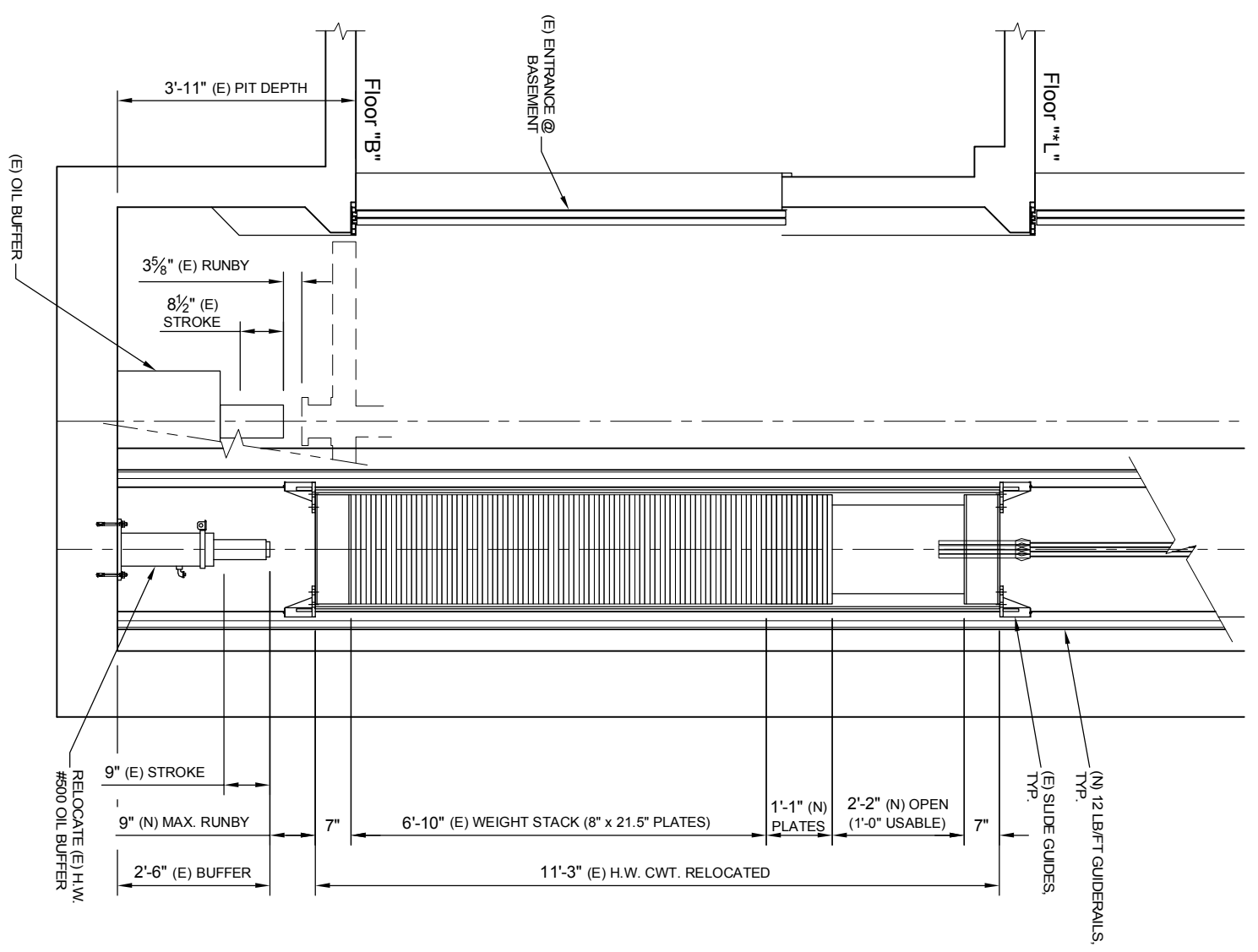
PROJECT: 291 Geary Street San Francisco, CA	
OWNER: Union Square Building LLC	
CONSULTANT: Edgett Williams Consulting Group, Inc.	
DWG.: HOISTWAY SECTIONS	REV DWG.# 8
SCALE: 1/4"=1'-0"	STATE NO.: 006710/11
SHEET 8 OF 10	

REV	DESCRIPTION:	DATE:	BY:





**1** OVHD. & SHEAVE ROOM SECTION  
SCALE: 3/8"=1'-0"



**2** PIT & BASEMENT SECTION  
SCALE: 3/8"=1'-0"

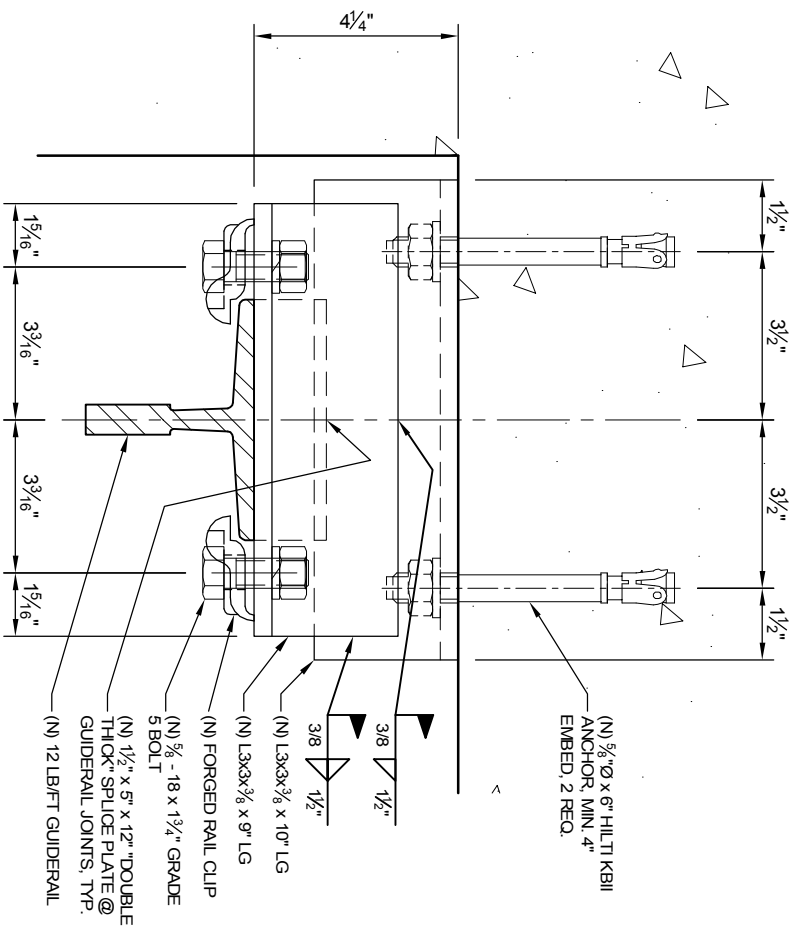
DRAWN BY: R. BLASKA FIRM: RCB ELEVATOR CONSULTING, LLC DRAW DATE: 08/06/2004 DIMENSIONS: FEET & INCHES	REV. DESCRIPTION: . . . . . DATE: . . . . . BY: . . . . .	PROJECT: 291 Geary Street San Francisco, CA OWNER: Union Square Building LLC CONSULTANT: Edgett Williams Consulting Group, Inc.
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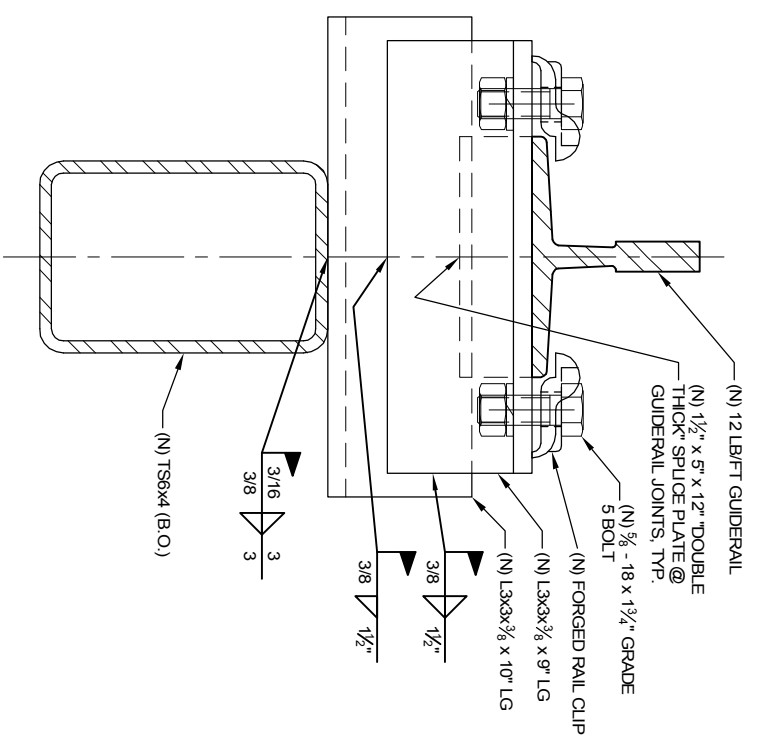
DWG.: ENLARGED HOISTWAY PIT & OVERHEAD SECTIONS  
 SCALE: 3/8"=1'-0" STATE NO.: 006710/11

REV	DWG.#
-	9

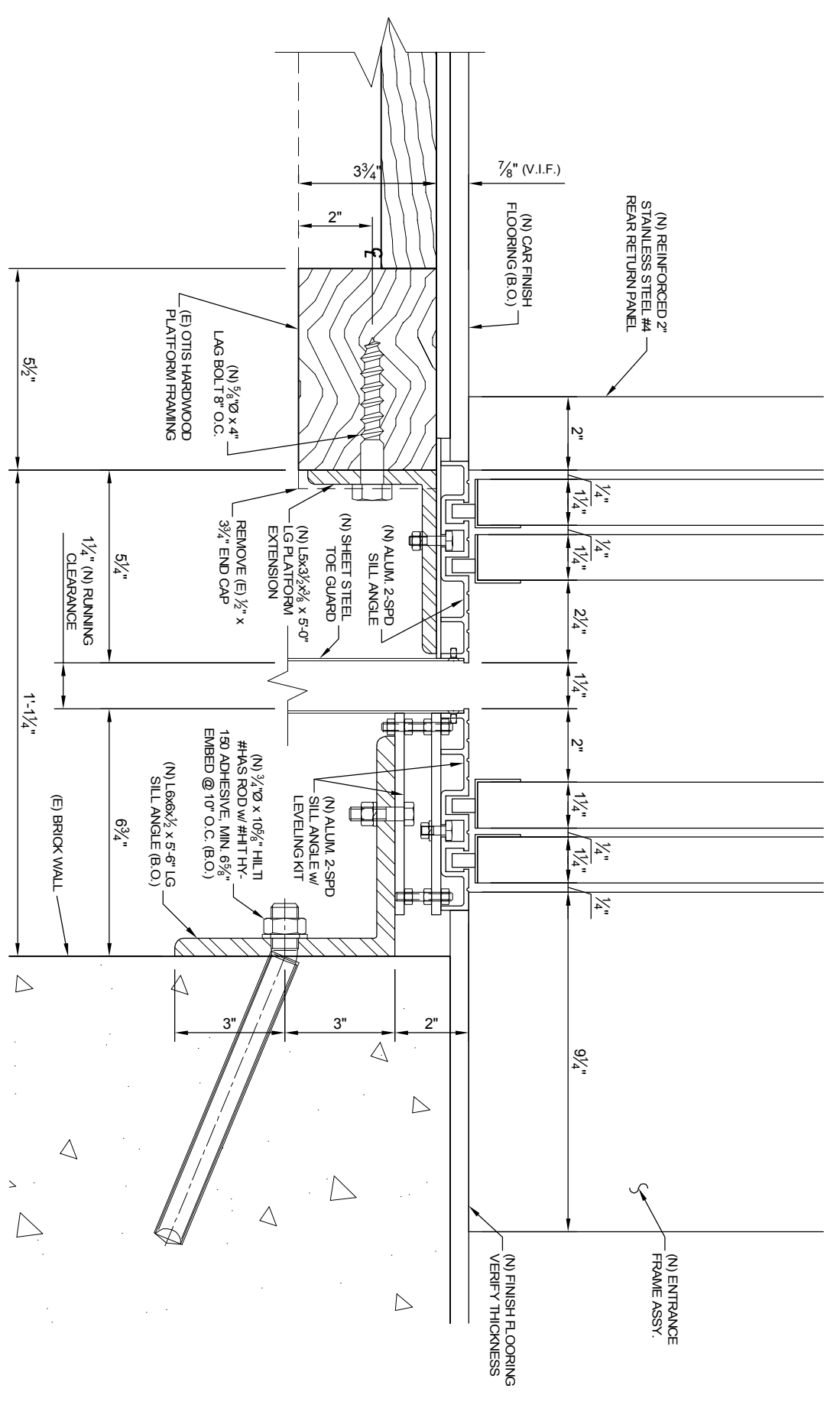
SHEET 9 OF 10



**2** GUIDERAIL BRACKET @ CONCRETE DETAIL  
SCALE: 3"=1'-0"



**1** GUIDERAIL BRACKET @ TUBE DETAIL  
SCALE: 3"=1'-0"



**3** REAR ENTRANCE DETAIL  
SCALE: 3"=1'-0"

STRUCTURAL STAMP		REV	DESCRIPTION:	DATE:	BR:
DRAWN BY:	R. BLASKA				
FRM:	ROB ELEVATOR CONSULTING, LLC				
DRAW DATE:	08/08/2004				
DIMENSIONS:	FEET & INCHES				

Schindler Elevator Corporation 562 Whilney Street San Leandro, CA 94577-1114	
Telephone: (510) 382-2075 Fax: (510) 382-2250 www.us.schindler.com	
PROJECT:	291 Geary Street San Francisco, CA
OWNER:	Union Square Building LLC
CONSULTANT:	Edgett Williams Consulting Group, Inc.
DWG.:	GUIDERAIL BRACKET & PLATFORM EXTENSION DETAILS
SCALE:	3"=1'-0" STATE NO.: 006710/11
REV	DWG.#
-	10
SHEET	10 OF 10