Elevator Structural Engineer
EDDINGTON ENGINEERING
1116 SINGINGWOOD RD.
SACRAMENTO, CA 95864
(916) 973-0113



Registration Stamp

Approval

No. Revision Date

Project

Science Center at De Anza Campus

Foothill - De Anza Community College Project No. 20043.00

90% Construction Documen

Sheet Title
Passenger Elev

Passenger Elevator Plans & Rail Schedules

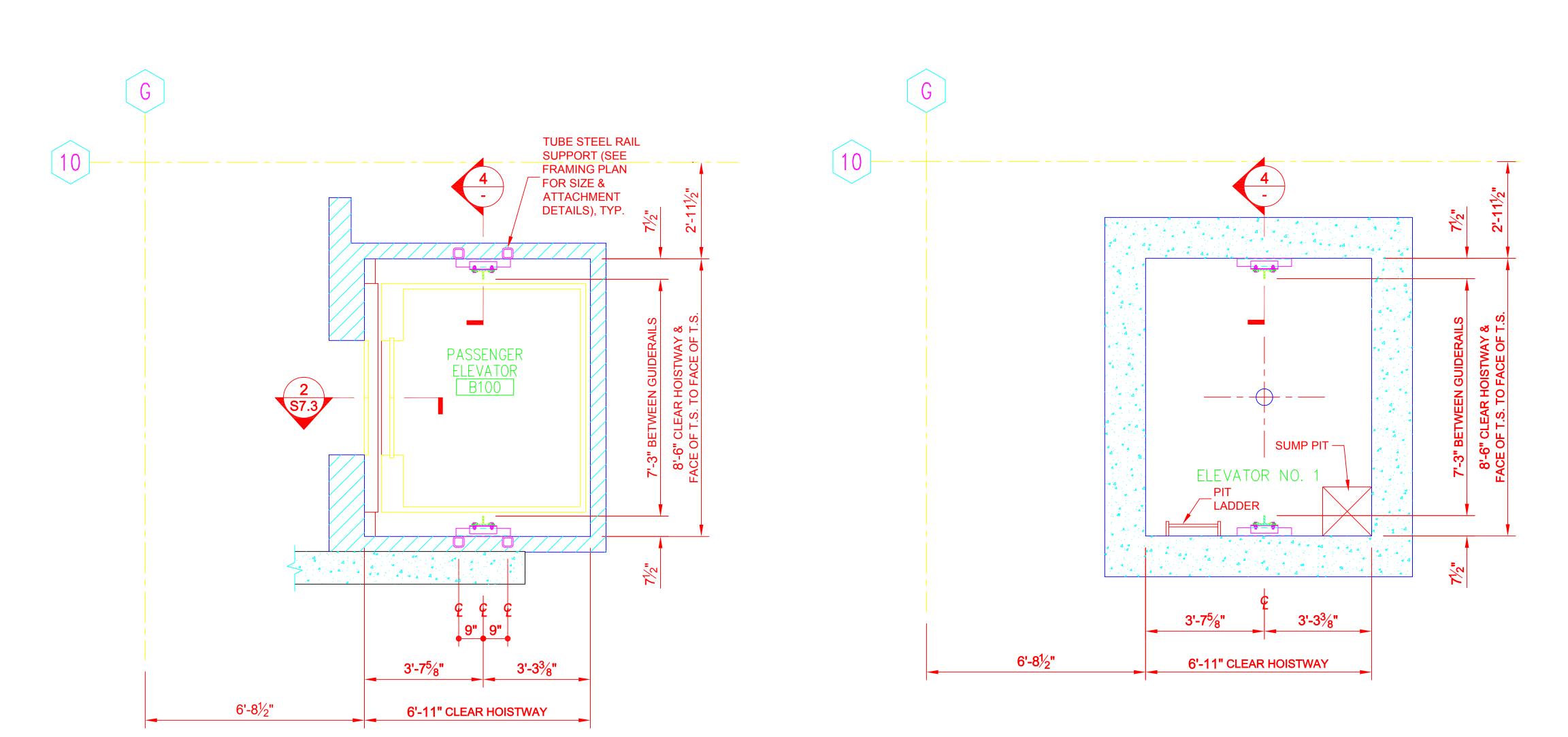
Scale AS NOTED

Date November 19, 2001

Project No.

Drawing No.

S7.1



3 PASSENGER ELEVATOR LEVEL 2 PLAN

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

1 PASSENGER ELEVATOR PIT PLAN

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

ELEVATOR INFORMATION

CAR WEIGHT (MAX.)

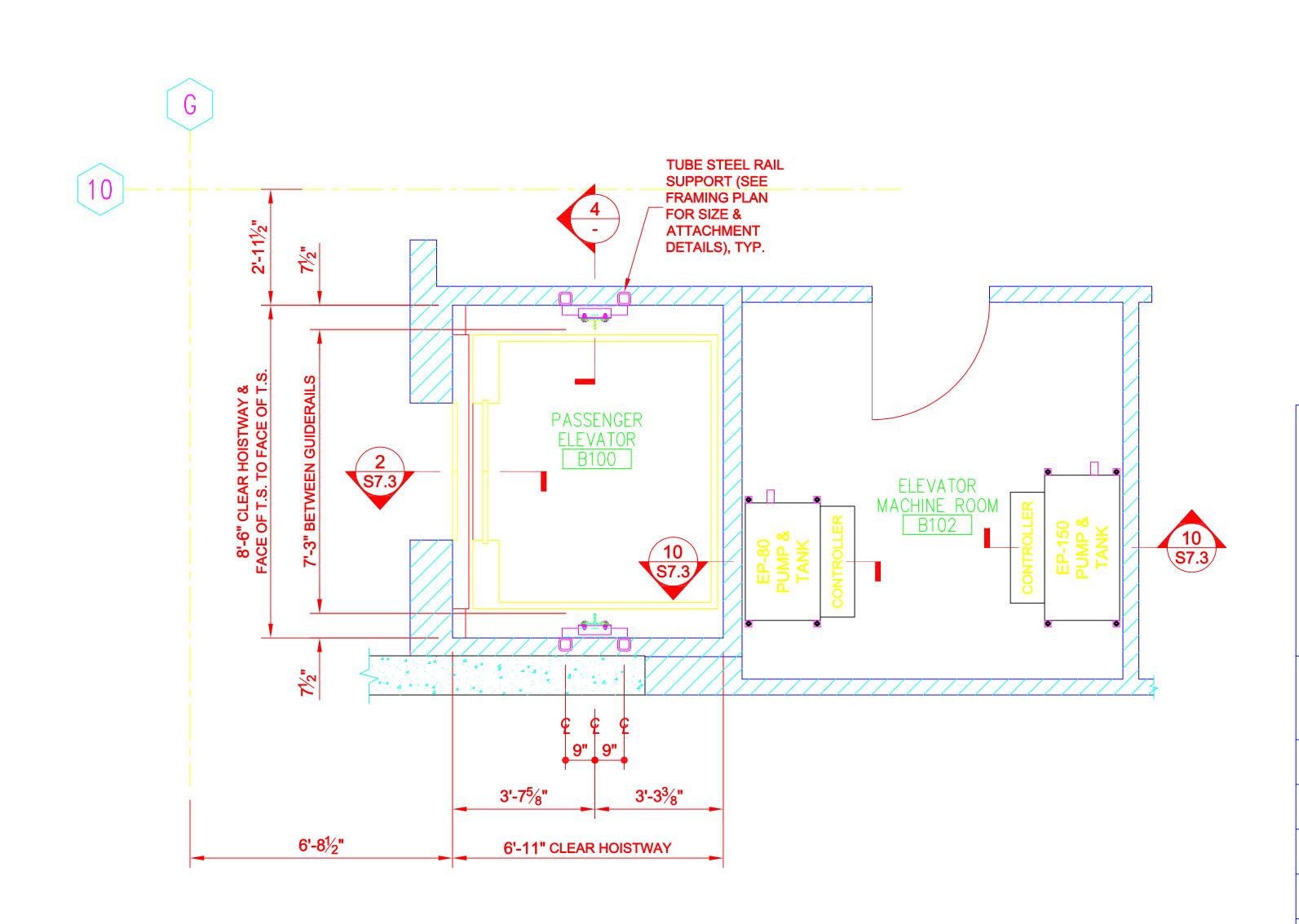
PASSENGER FREIGHT

1542 2150

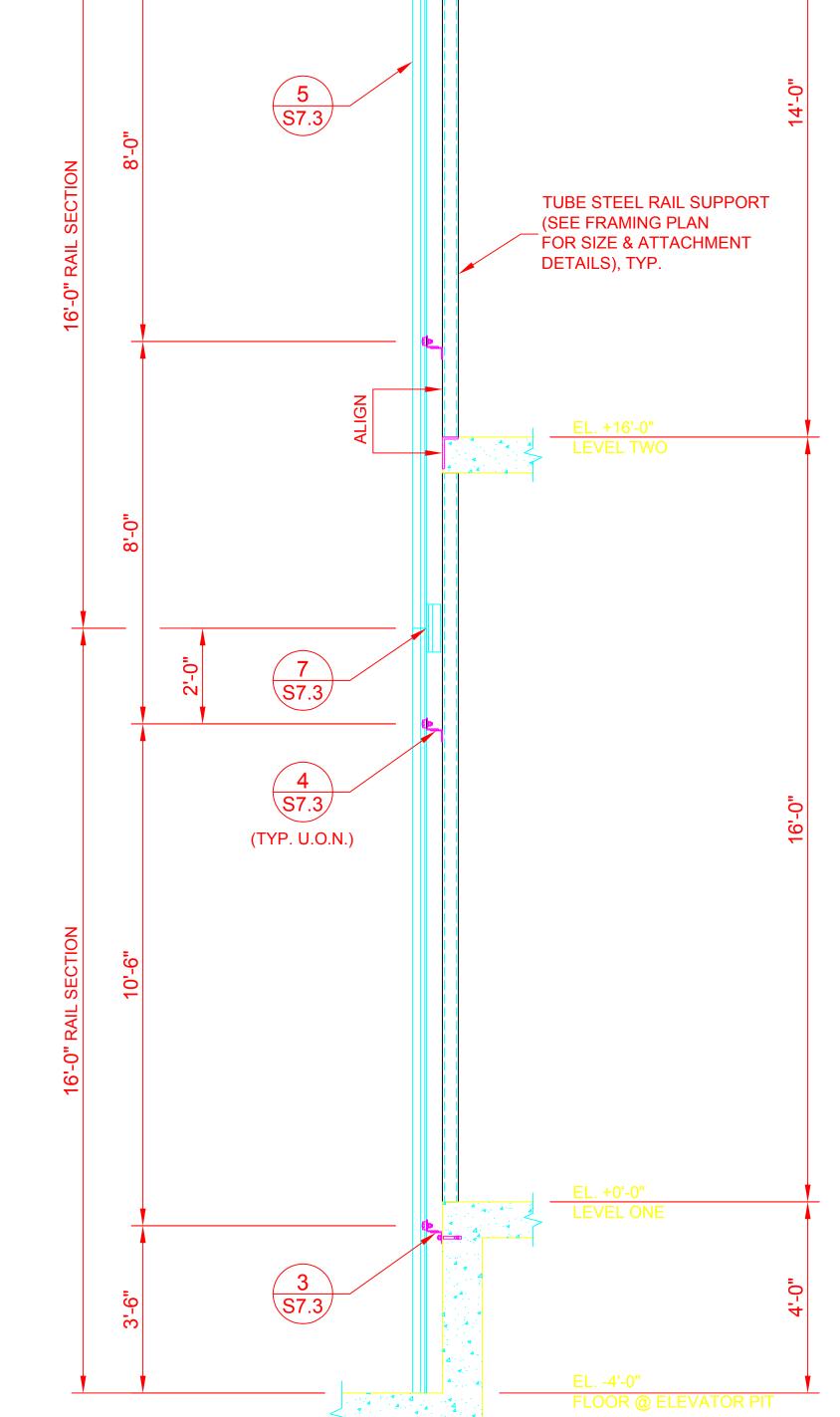
1075

771

3500







PASSENGER ELEVATOR RAIL SCHEDULE

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

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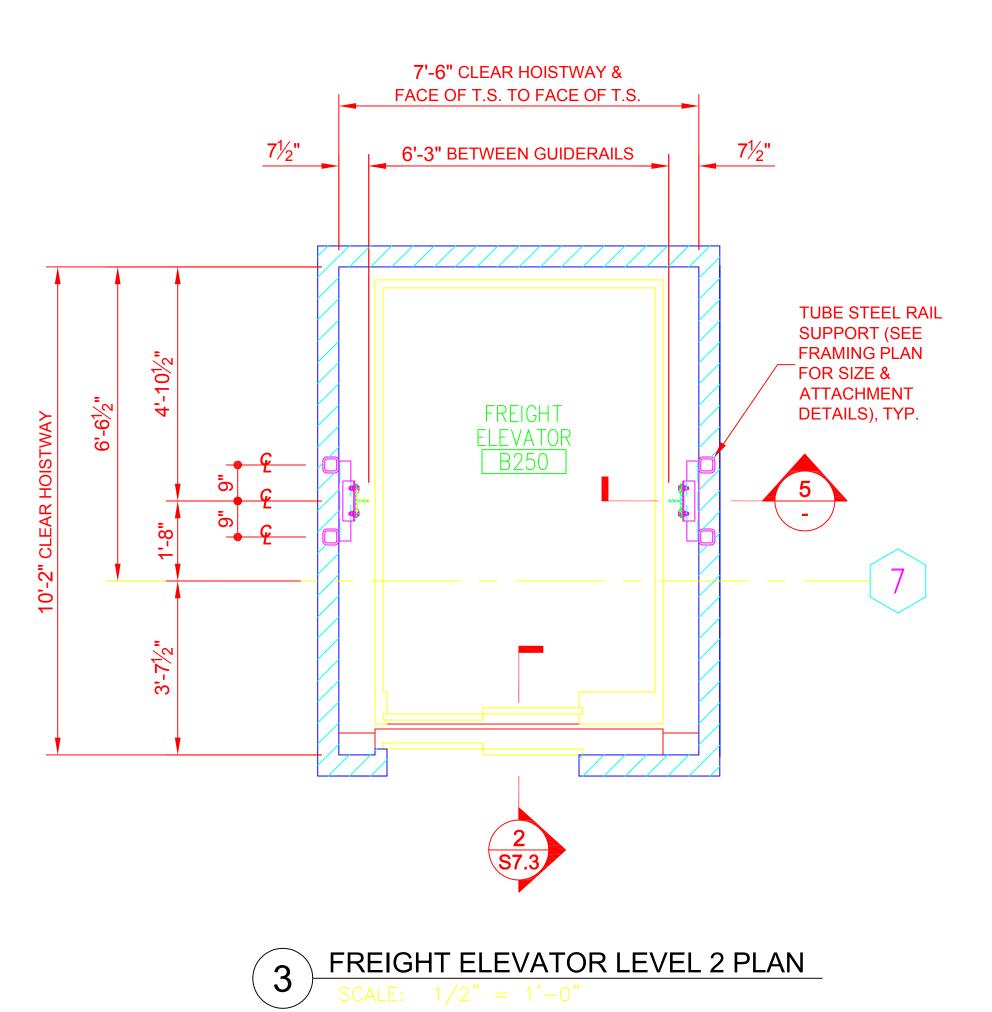
Freight Elevator Plans & Rail Schedules

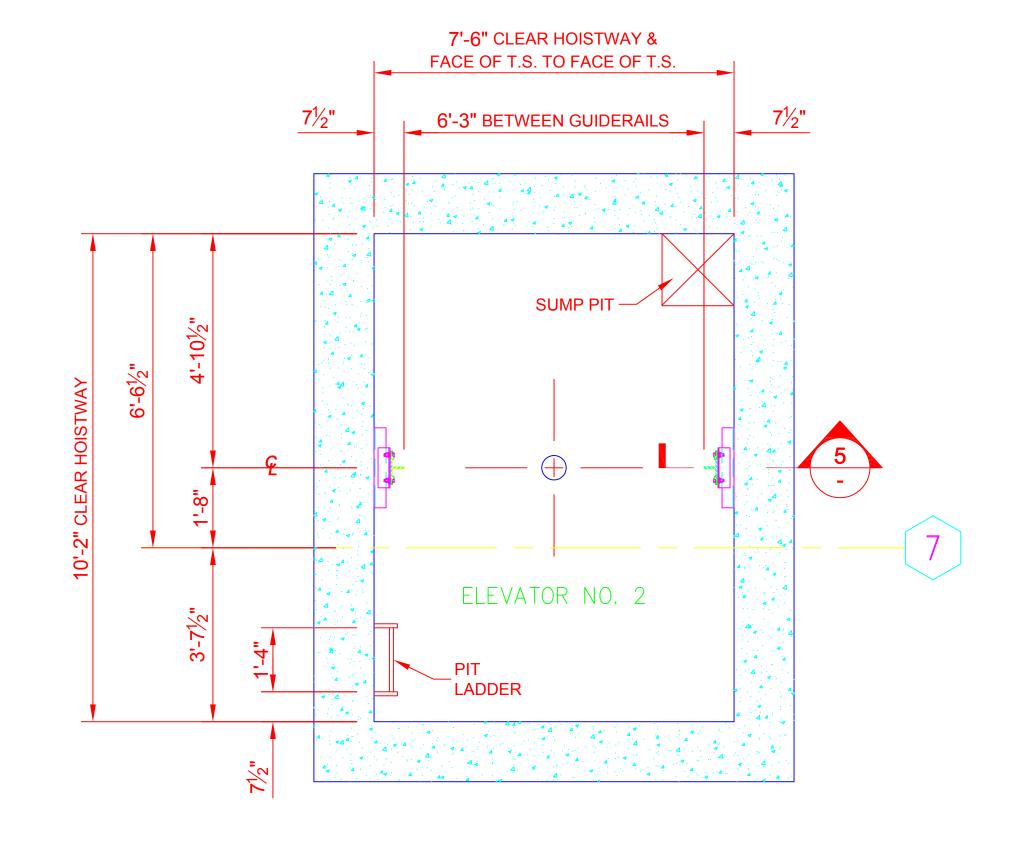
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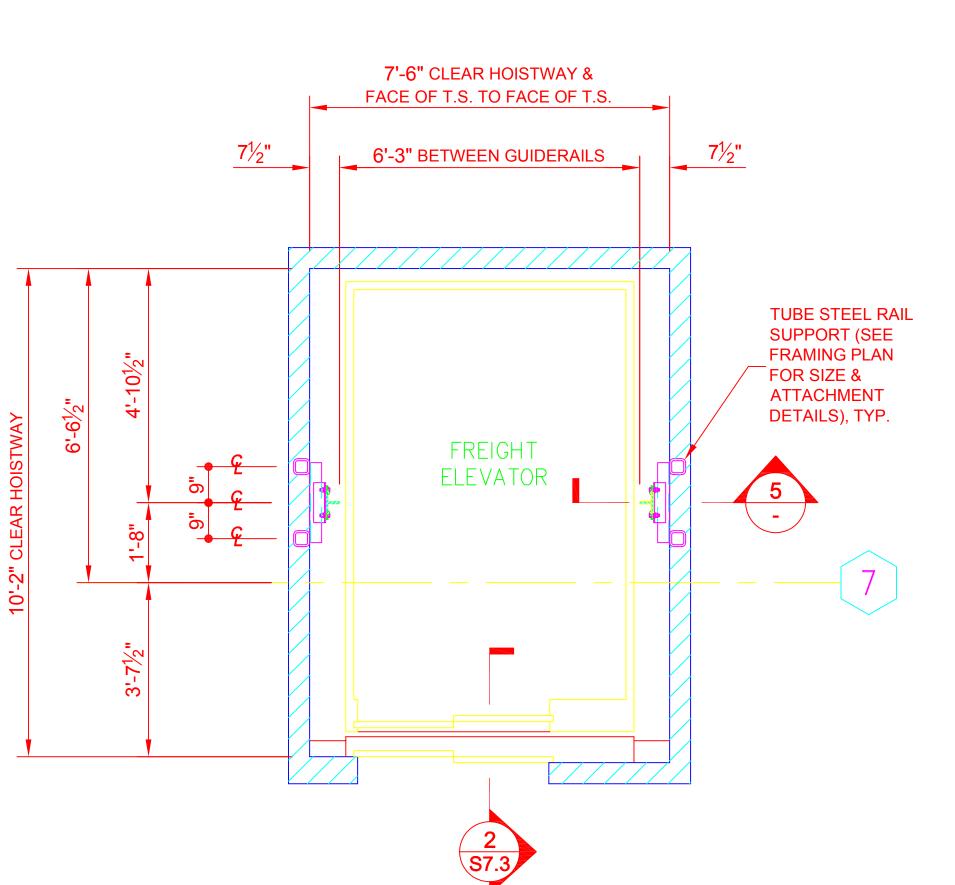
S7 2

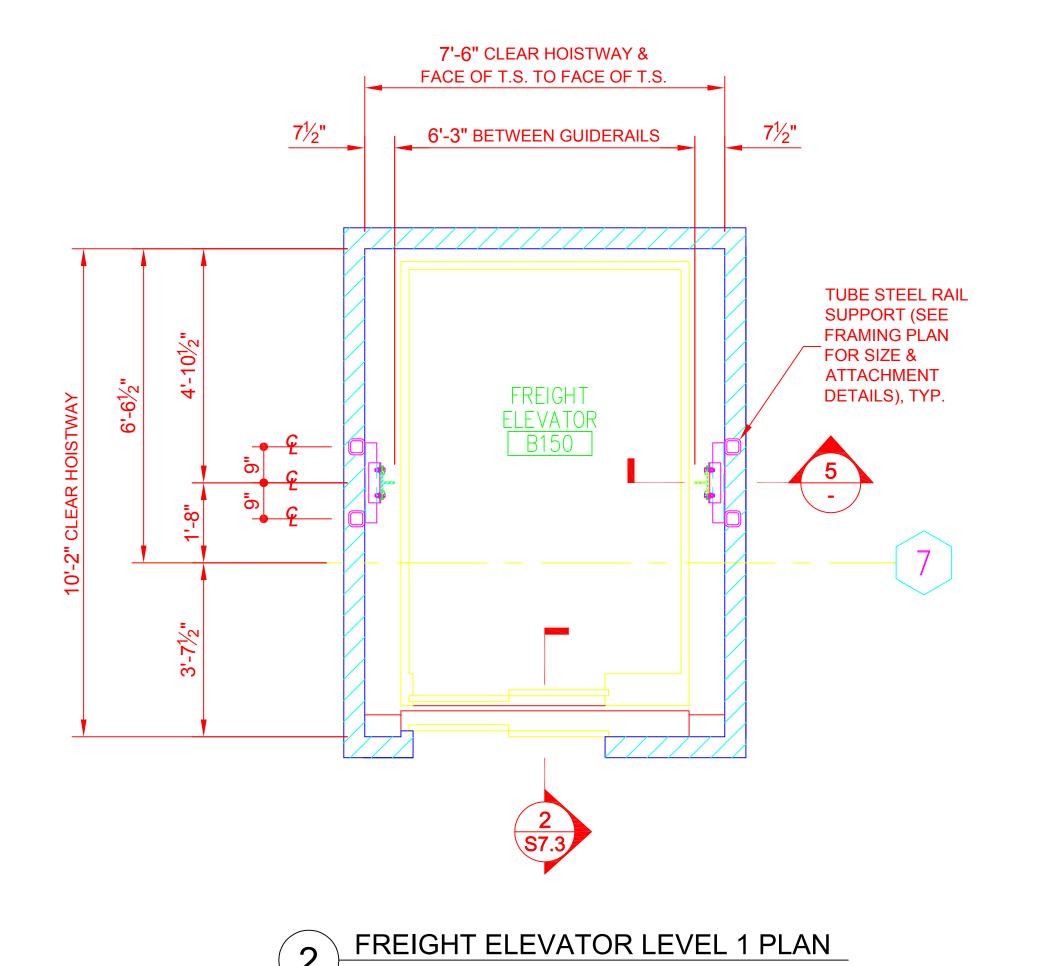




FREIGHT ELEVATOR PIT PLAN

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









(TYP. U.O.N.)

EL. +43'-3" CLEAR OVERHEAD

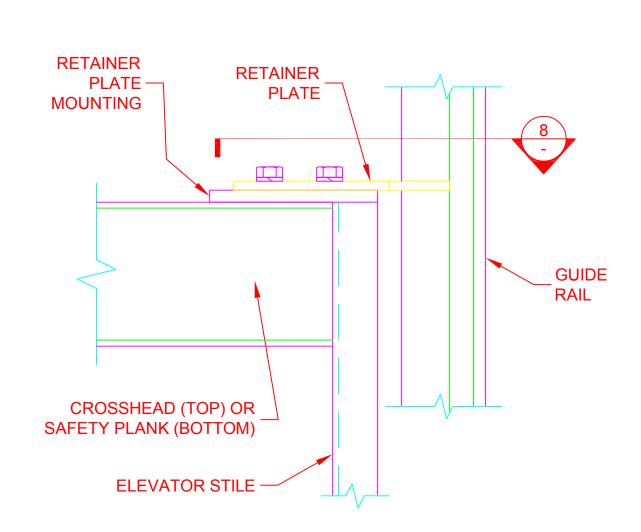
TUBE STEEL RAIL SUPPORT

\_ (SEE FRAMING PLAN FOR SIZE & ATTACHMENT

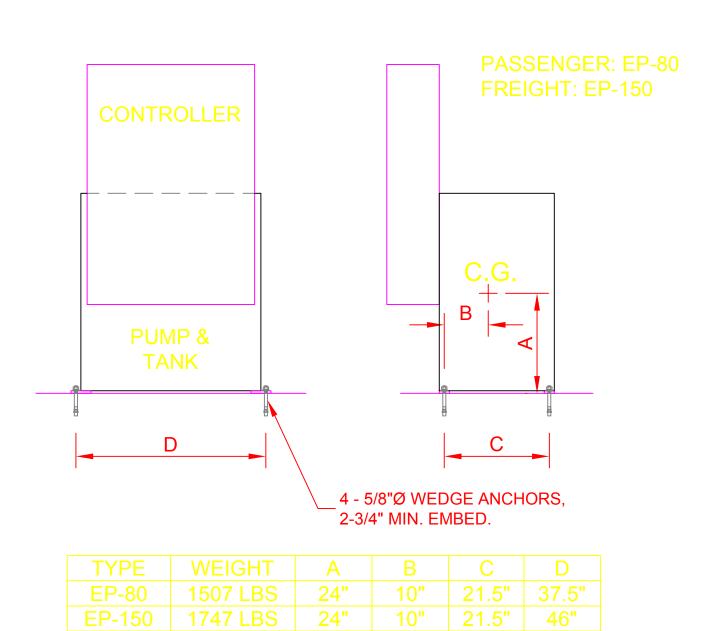
DETAILS), TYP.

NOTE: 1. ALL DIMENSIONS ARE MINIMUM (U.O.N.)

8 RETAINER PLATE DETAIL

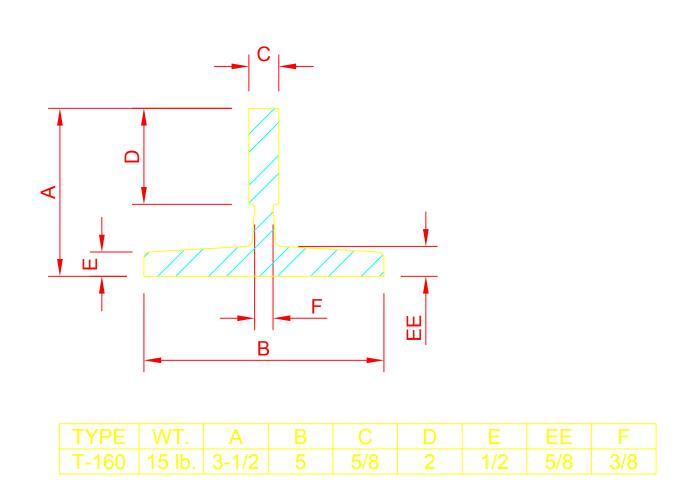


9 CAR FRAME ELEV. @ RET. PLATE
SCALE: NONE



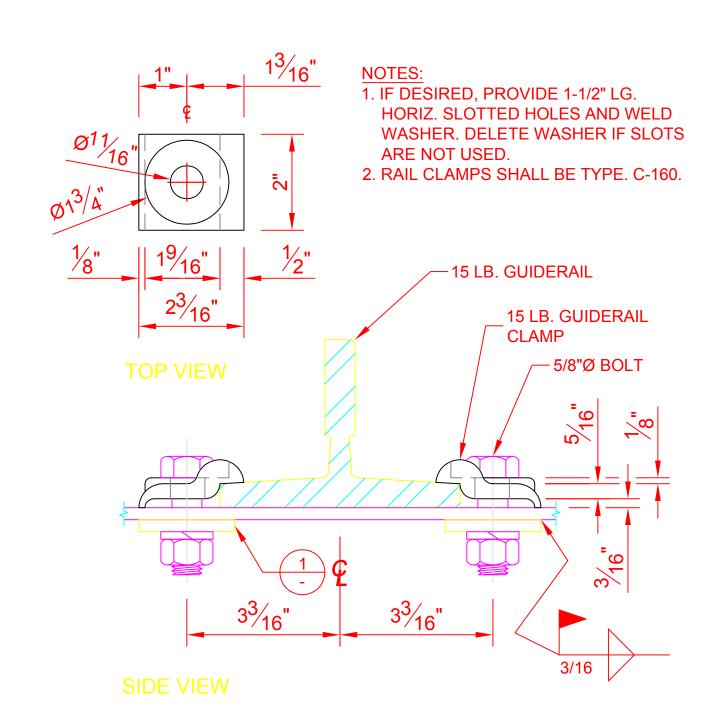
10 EQUIPMENT ANCHORAGE

SCALE: NONE



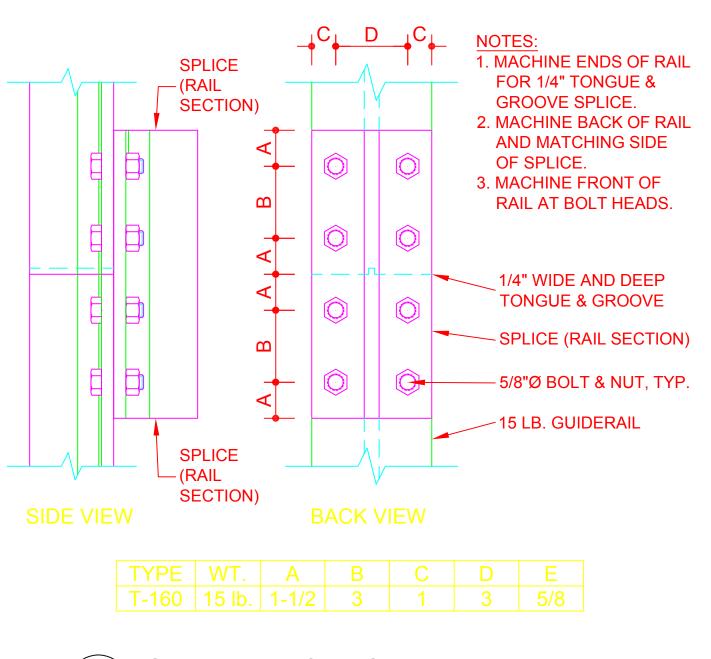
5 TYPICAL GUIDERAIL

SCALE: 6" = 1'-0"

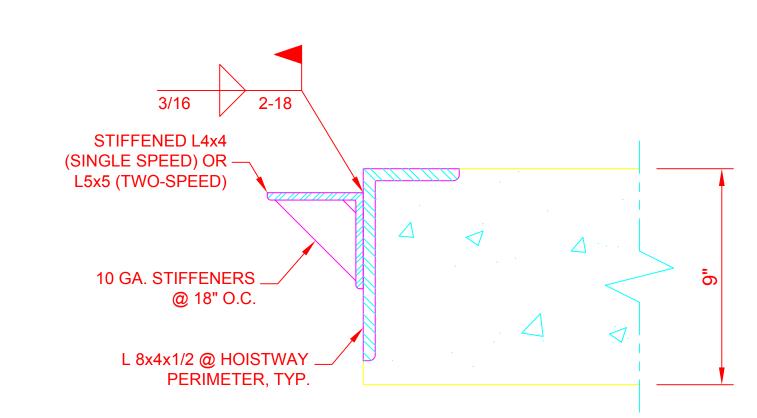


6 15 lb. GUIDERAIL CLAMP

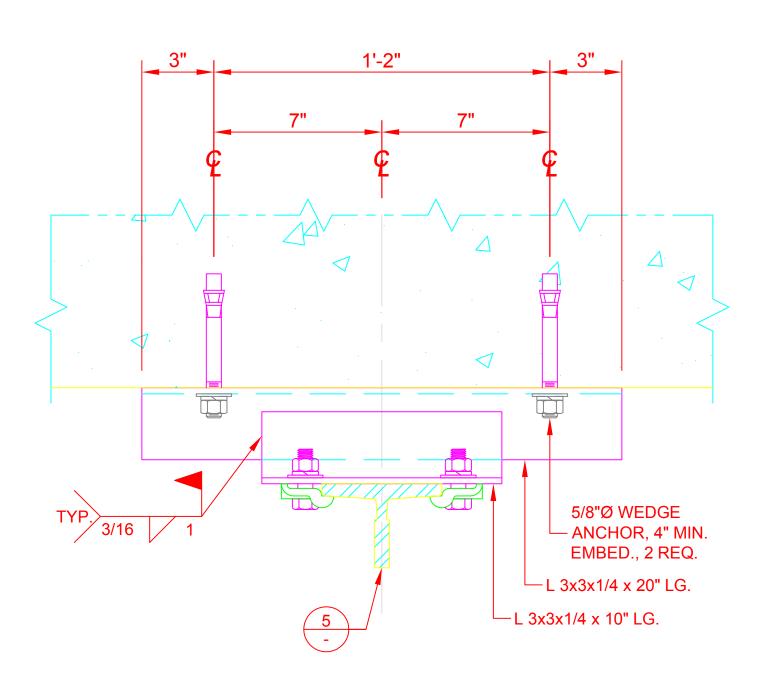
SCALE: 6" = 1'-0"





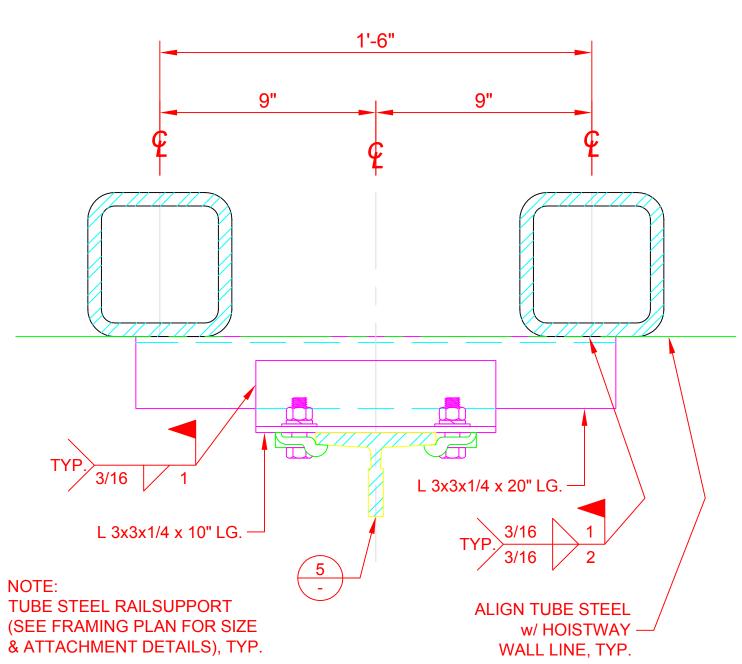


## 2 DOOR FRAME SUPPORT ANGLE



3 BRACKET DETAIL @ PIT WALL

SCALE: 3" = 1'-0"



BRACKET DETAIL @ TUBE STEEL

## **GENERAL NOTES**

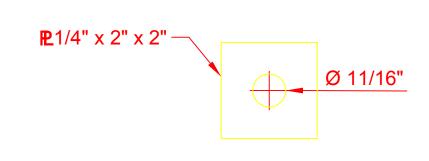
- 1. IT IS THE INTENTION OF THE ELEVATOR ENGINEER THAT THESE DRAWINGS PORTRAY AN ELEVATOR INSTALLATION THAT IS IN FULL COMPLIANCE WITH THE CALIFORNIA COD OF REGULATIONS TITLE 24, PARTS 1, 2 & 7 AND IR 19.1. IF ANYTHING IS FOUND LACKING PLEASE CONTACT THE ELEVATOR ENGINEER IMMEDIATELY.
- 2. MATERIAL SPECIFICATIONS:

  A. ALL ROLLED AND PLATE STEEL SHALL CONFO
- A. ALL ROLLED AND PLATE STEEL SHALL CONFORM TO ASTM A-36. Fv = 36.000 psi (U.O.N.).
- B. GUIDERAILS SHALL BE MADE OF HEARTH STEEL OR EQUIVALENT. HAVING TENSILE STRENGTH Fu=55,000 psi IN ACCORDANCE WITH TITLE 24, PART 7-3109, ASTM A-36. Fv = 36,000 psi.
- C. GUIDERAIL CLAMPS SHALL BE OF FORGED STEELCONFORMING TO ASTM 668, CLASS D, Fy = 37,500 psi.D. MACHINE BOLTS SHALL BE ASTM A-307 (U.O.N.).
- 3. WELDING QUALIFICATION REQUIREMENTS, WELDING PROCEDURE, AND WELDING ELECTRODES ARE TO CONFORM TO THE 1998 C.B.C. SECTION 2205A.10, AND ALL WELDS SHALL BE INSPECTED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE 1998 C.B.C. CHAPTER 22A, SECTION 2231A.5.
- 4. SLOTTED HOLES ARE NOT ALLOWED IN THE FINAL POSITION FOR SUPPORTING MEMBER CONNECTIONS. ALL SLOTTED HOLES SHALL BE PLUG WELDED COMPLETELY AFTER INSTALLATION OR USE A WELD WASHER PER DETAIL NO. '1' THIS SHEET.
- 5. FOR BOLTED CONNECTIONS THE DISTANCE FROM THE CENTERLINE OF A STANDARD HOLE TO THE EDGE OF CONNECTED PART SHALL NOT BE LESS THAN THAT SHOWN IN A.I.S.C. TABLE J3.5. PLATE EDGES WITH HOLE CENTERLINE 1" OR NEARER SHALL NOT HAVE SHEARED EDGES. HOLES SHALL BE 1/16" LARGER THAN BOLT DIA.

## **EXPANSION ANCHOR NOTES**

EXPANSION ANCHOR TEST VALUES					
WEDGE ANCHORS IN HARDROCK OR LTWT. CONC.					
DIA.	LOAD	TORQUE	DIA.	LOAD	TORQUE
3/8"	1100 lbs	25 ft-lbs	5/8"	2300 lbs	80 ft-lbs
1/2"	1800 lbs	50 ft-lbs	3/4"	3700 lbs	150 ft-lbs

- 1. EXPANSION ANCHORS SHALL BE ITW REDHEAD TRUBOLT WEDGE ANCHORS I.C.B.O. REPORT #1372 (U.O.N.).
  SUBSTITUTIONS SHALL HAVE AN EQUIVALENT OR GREATER I.C.B.O. RATING. TESTING AND SPECIAL INSPECTION SHALL BE REQUIRED 24 HOURS AFTER INSTALLATION OF THE ANCHORS AS PROVIDED FOR IN THE APPROVED CONTRACT DRAWINGS FOR THE BUILD'G STRUCTURE OR AS DESCRIBED BELOW
- 2. TEST 50% OF THE INSTALLED ANCHORS PER C.B.C. 1923A 3.5.



1 WELD WASHER

SCALE: 3" = 1'-0"

## ANSHEN+ALLEN

Architect Anshen + Allen 901 Market Street San Francisco, CA 94103 415) 882-9500

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Typical Dataila

Typical Details & General Notes

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37.3