

# CALIFORNIA HIGH-SPEED TRAIN

Project Environmental Impact Report/Environmental Impact Statement

DRAFT

## Merced to Fresno Section Draft EIR-EIS Volume III: Section M – Station Plans

August 2011



CALIFORNIA  
High-Speed Rail Authority



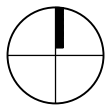
U.S. Department of Transportation  
Federal Railroad Administration



# CALIFORNIA HIGH SPEED TRAIN STATION MERCED STATION - SITE C



SITE C



No.		Area	Required Area	Formula	TM 2.2.2 Reference	Remarks
1	STATION ENTRANCE	13,600 sf		$\{(P15 \times 30 \text{ sf/person})\} \times 300 @ 200$	6.2.3.2	
2	FUTURE COMMERCIAL	800 sf		Not specified in Technical Memorandum 2.2.2	6.2.4.5	
3	FUTURE COMMERCIAL	800 sf		Not specified in Technical Memorandum 2.2.2	6.2.4.5	
4	PUBLIC RESTROOM	350 sf		P15 & code req'ts (A-3 Occupancy)	6.2.3.5	
5	PUBLIC RESTROOM	350 sf		P15 & code req'ts (A-3 Occupancy)	6.2.3.5	
6	LOST & FOUND	190 sf			6.2.6.1.4	
7	JANITOR	190 sf	330 sf	$110 \text{ sf} \times 3$	6.2.6.2.16	
8	STATION AGENT OFFICE	440 sf	270 sf	270 sf	6.2.6.1.5	
9	ESCALATOR & ELEVATOR MACHINE ROOM	300 sf			6.2.6.3	
10	TICKET SALES OFFICE	510 sf	168 sf	$\{((P60B \times 0.15) / (1.5 \times 60)) \times 75\} \text{ sf}$	6.2.6.1.1	
11	TICKET ADMINISTRATION OFFICE	425 sf	160 sf	160 sf	6.2.6.2.6	
12	SECURITY OFFICE	350 sf	160 sf	160 sf	6.2.6.2.7	
13	POLICE OFFICE	350 sf	160 sf	160 sf	6.2.6.2.8	
14	TRAINING & MEETING ROOM	530 sf	375 sf	$(20 \text{ sf} \times \text{max staff per shift} \times 1.25)$	6.2.6.2.2	
15	STORAGE	180 SF	390 sf	$130 \text{ sf} \times 3$	6.2.6.2.17	
16	STAFF RESTROOMS & LOCKERS	330 sf		Per Building Codes	6.2.6.2.12/13	
17	STAFF RESTROOMS & LOCKERS	305 sf		Per Building Codes	6.2.6.2.12/13	
18	JANITOR	160 sf	330 sf	$110 \text{ sf} \times 3$	6.2.6.2.16	
19	STAFF BREAK ROOM	325 sf	100 sf	$(20 \text{ sf} \times .25 \times \text{max staff per shift} \times 1.25)$	6.2.6.2.14	
20	STATION ADMIN OFFICE	540 sf		$\{(65 \text{ sf} \times \text{Staff with workspace}) + (43 \text{ sf} \times \text{Staff with shared space})\} \times 1.25$	6.2.6.2.1	
21	OPERATION MAINTENANCE OFFICE	1,000 sf	1,080 sf	1,080 sf	6.2.6.2.10	
22	STATION COMPUTER ROOM	1,000 sf	1,000 sf	1,000 sf	6.2.6.2.4	
23	HVAC ROOM	460 SF			6.2.6.3	
24	ELECTRICAL ROOM	375 SF			6.4.2	
25	FIRE PROTECTION	220 sf			6.2.6.3	
26	TRASH & LANDSCAPE	415 sf			6.2.6.2.18	
27	SIGNALLING	530 sf			6.2.6.3	
28	TELECOM	530 sf			6.2.6.3	
29	PEDESTRIAN BRIDGE	6,425 sf		As needed	6.2.5.1	
30	CONCOURSE FREE AREA	8,100 sf		$\{(P15 \times 30 \text{ sf/person})\} \times 300 @ 200$	6.2.3.2	
31	CONCOURSE PAID AREA	24,000 sf		$\{(P15 \times 25 \text{ sf/person})\} \times 300 @ 200$	6.2.4.1	
32	STATION CONTROL & COMMUNICATION ROOM	1,200 sf	1,080 sf	1,080 sf	6.2.6.2.3	
33	FUTURE COMMERCIAL	670 sf		Not specified in Technical Memorandum 2.2.2	6.2.4.5	
34	PUBLIC RESTROOM	320 sf		P15 & code req'ts (A-3 Occupancy)	6.2.3.5	
35	PUBLIC RESTROOM	320 sf		P15 & code req'ts (A-3 Occupancy)	6.2.3.5	
36	PLATFORM OPERATION ROOM	175 sf	160 SF		6.2.6.2.5	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
A. CHEN  
DRAWN BY  
R. MARKARIAN  
CHECKED BY  
A. CHEN  
IN CHARGE  
A. BOONE  
DATE  
06.30.2011

15% SUBMITTAL  
FOR INTERNAL  
USE ONLY  
  
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CONSTRUCTION

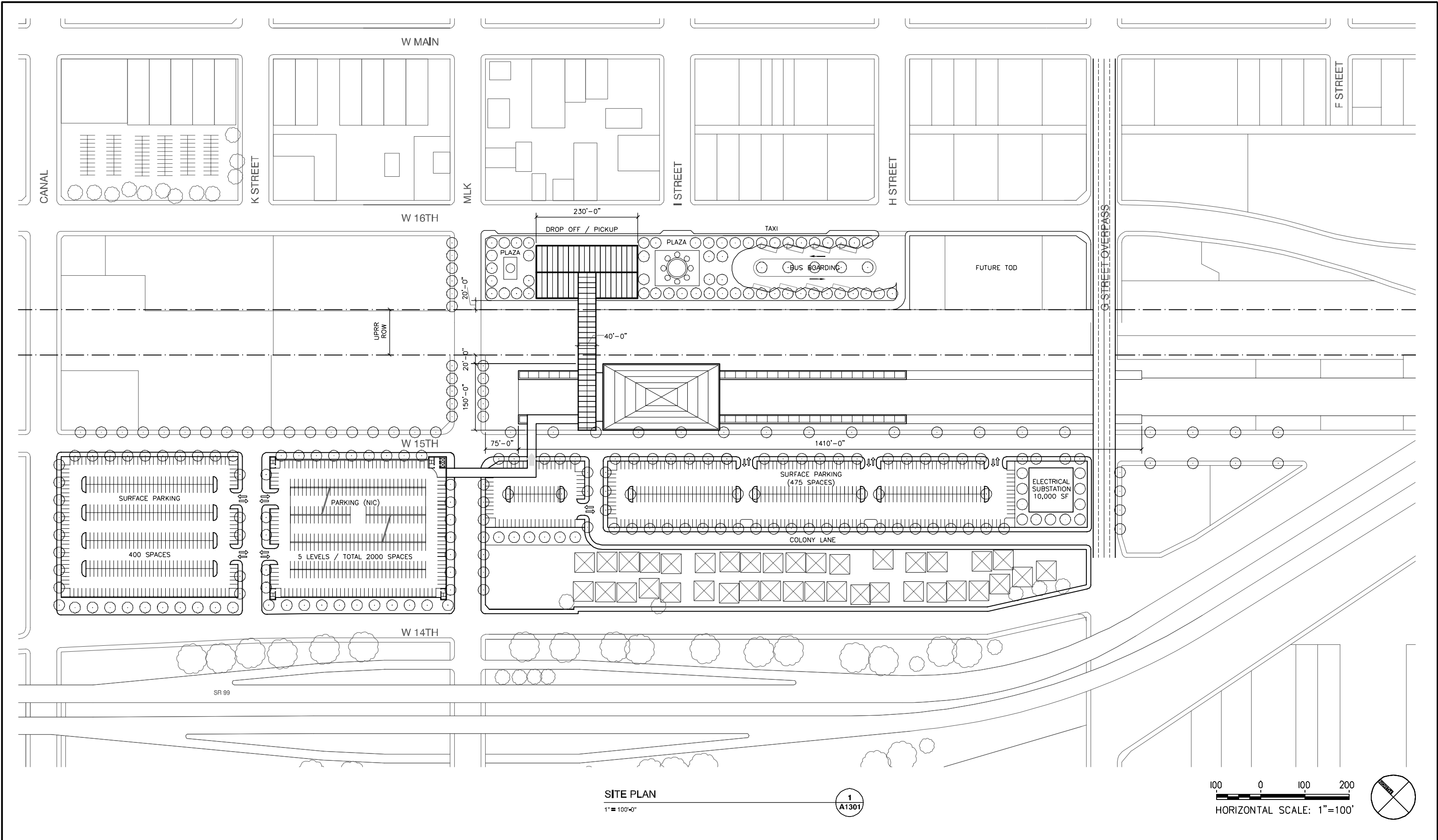
**AECOM**  
2020 L STREET  
SUITE 300  
SACRAMENTO, CA 95811  
UNITED STATES  
T 916.414.5800  
F 916.414.1557

**CALIFORNIA**  
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**

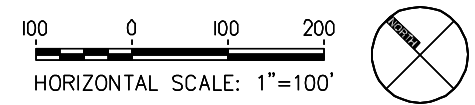
MERCED STATION / SITE C  
SPACE PROGRAM AND VICINITY MAP

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
A0301  
SCALE  
NTS  
SHEET NO.  
2 of 11



**SITE PLAN**  
1" = 100'-0"

1  
A1301



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
A. CHEN  
DRAWN BY  
R. MARKARIAN  
CHECKED BY  
A. CHEN  
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A. BOONE  
DATE  
06.30.2011

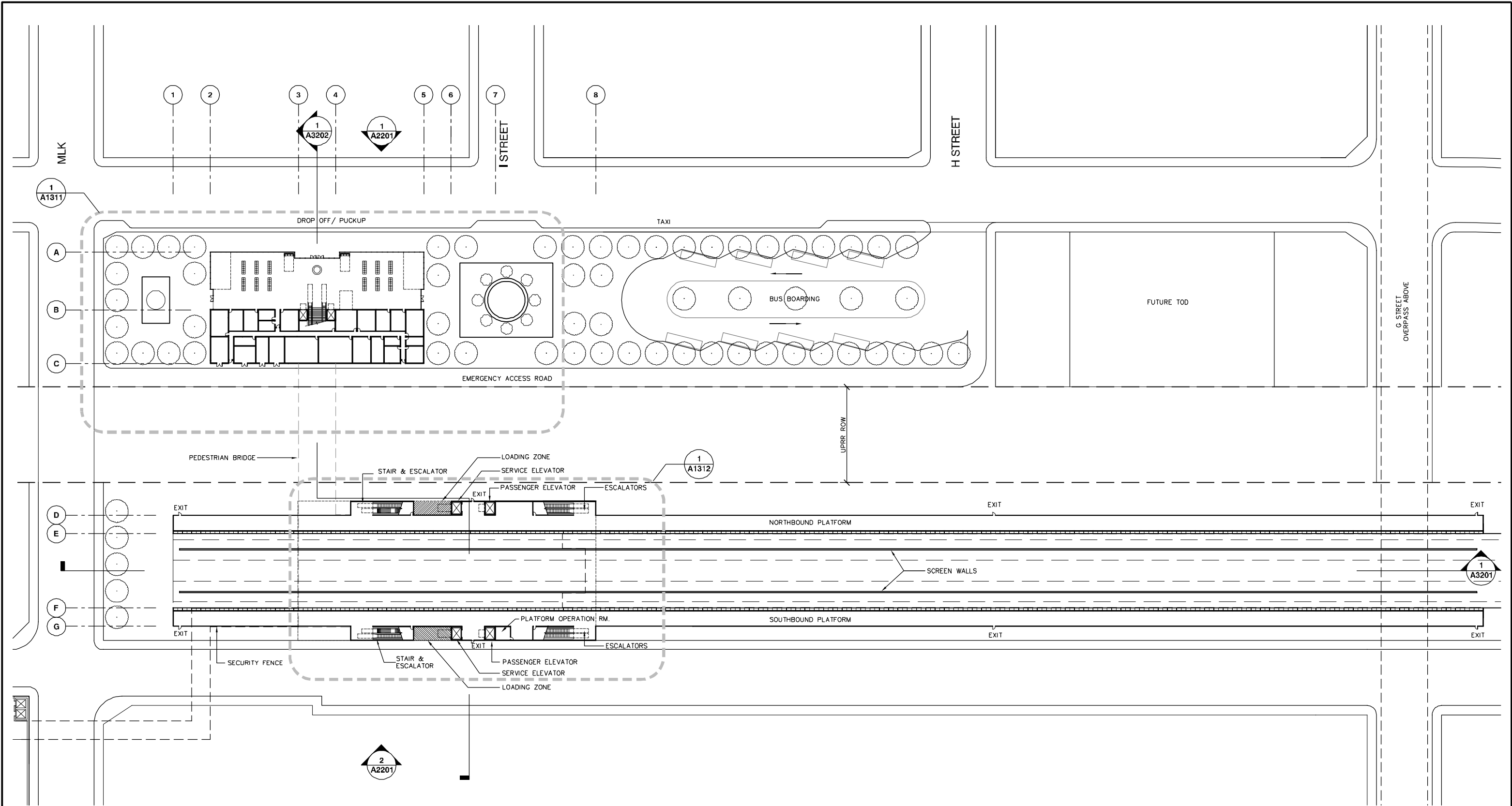
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UNITED STATES  
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
  
MERCED STATION/SITE C  
SITE PLAN

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
A1301  
SCALE  
1"=100'  
SHEET NO.  
3 of 11



GROUND LEVEL KEY PLAN

1" = 50'-0"

1  
A1310

50 0 50 100  
HORIZONTAL SCALE: 1" = 50'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
A. CHEN  
DRAWN BY  
R. MARKARIAN  
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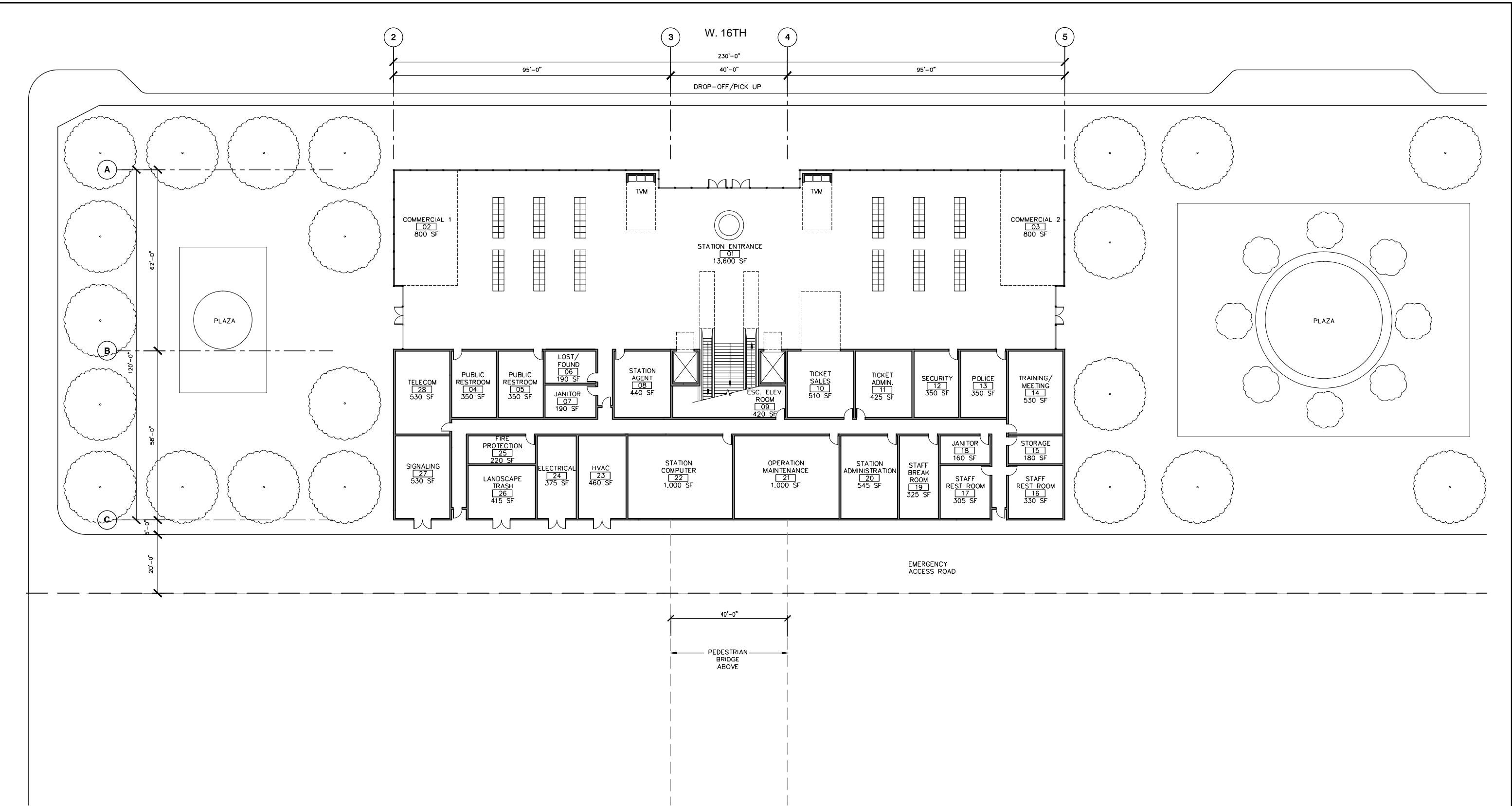
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
  
MERCED STATION/SITE C  
GROUND LEVEL

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
A1310  
SCALE  
1" = 50'  
SHEET NO.  
4 OF 11

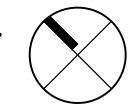




GROUND LEVEL - STATION ENTRANCE

1/16" = 1'-0"

1  
A1311



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DESIGNED BY  
A. CHEN  
DRAWN BY  
R. MARKARIAN  
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A. CHEN  
IN CHARGE  
A. BOONE  
DATE  
06.16.2011

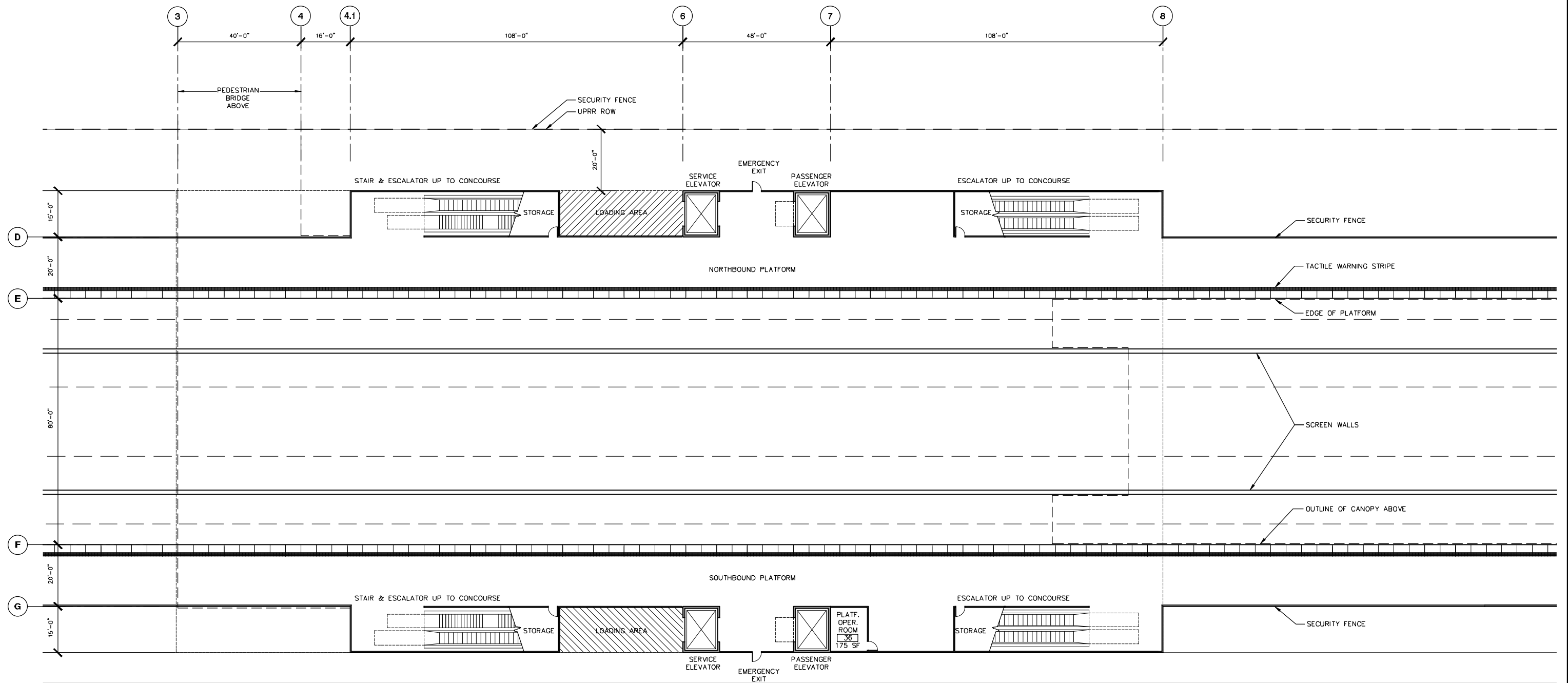
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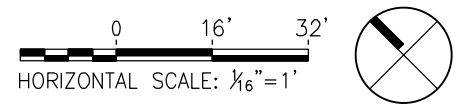
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**MERCED TO FRESNO**  
  
MERCED STATION/SITE C  
STATION ENTRY PLAN

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
A1311  
SCALE  
1/16" = 1'-0"  
SHEET NO.  
5 of 11



GROUND LEVEL - PLATFORM FLOOR PLAN  
1/16" = 1'-0"

1  
A1312



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A. CHEN  
DRAWN BY  
R. MARKARIAN  
CHECKED BY  
A. CHEN  
IN CHARGE  
A. BOONE  
DATE  
06.30.2011

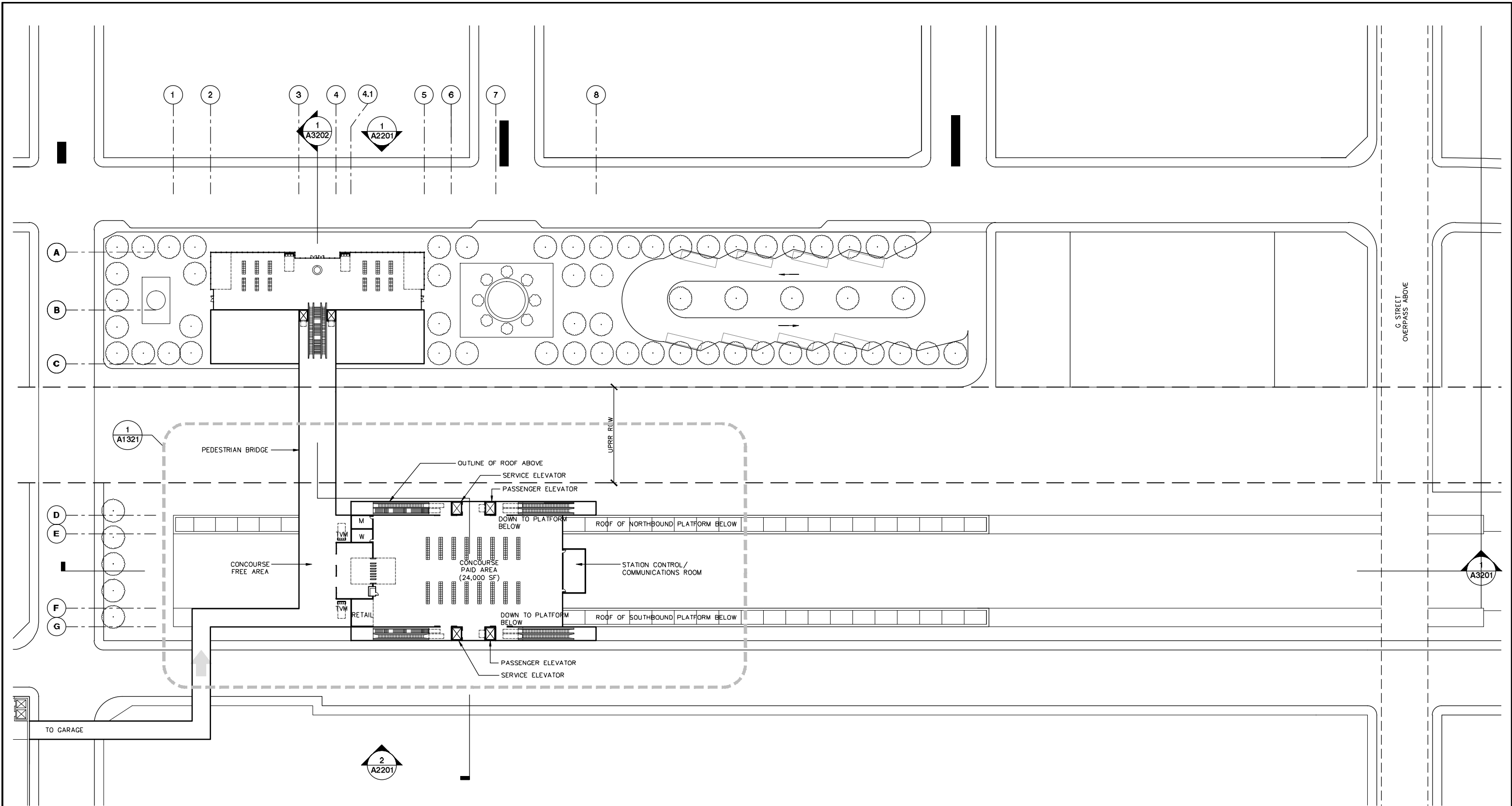
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
  
MERCED STATION/SITE C  
PLATFORM LEVEL PLAN

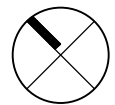
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HSR06-007  
DRAWING NO.  
A1312  
SCALE  
1/16" = 1'-0"  
SHEET NO.  
6 of 11



CONCOURSE LEVEL KEY PLAN  
1" = 50'-0"

1  
A1320

50 0 50 100  
HORIZONTAL SCALE: 1" = 50'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
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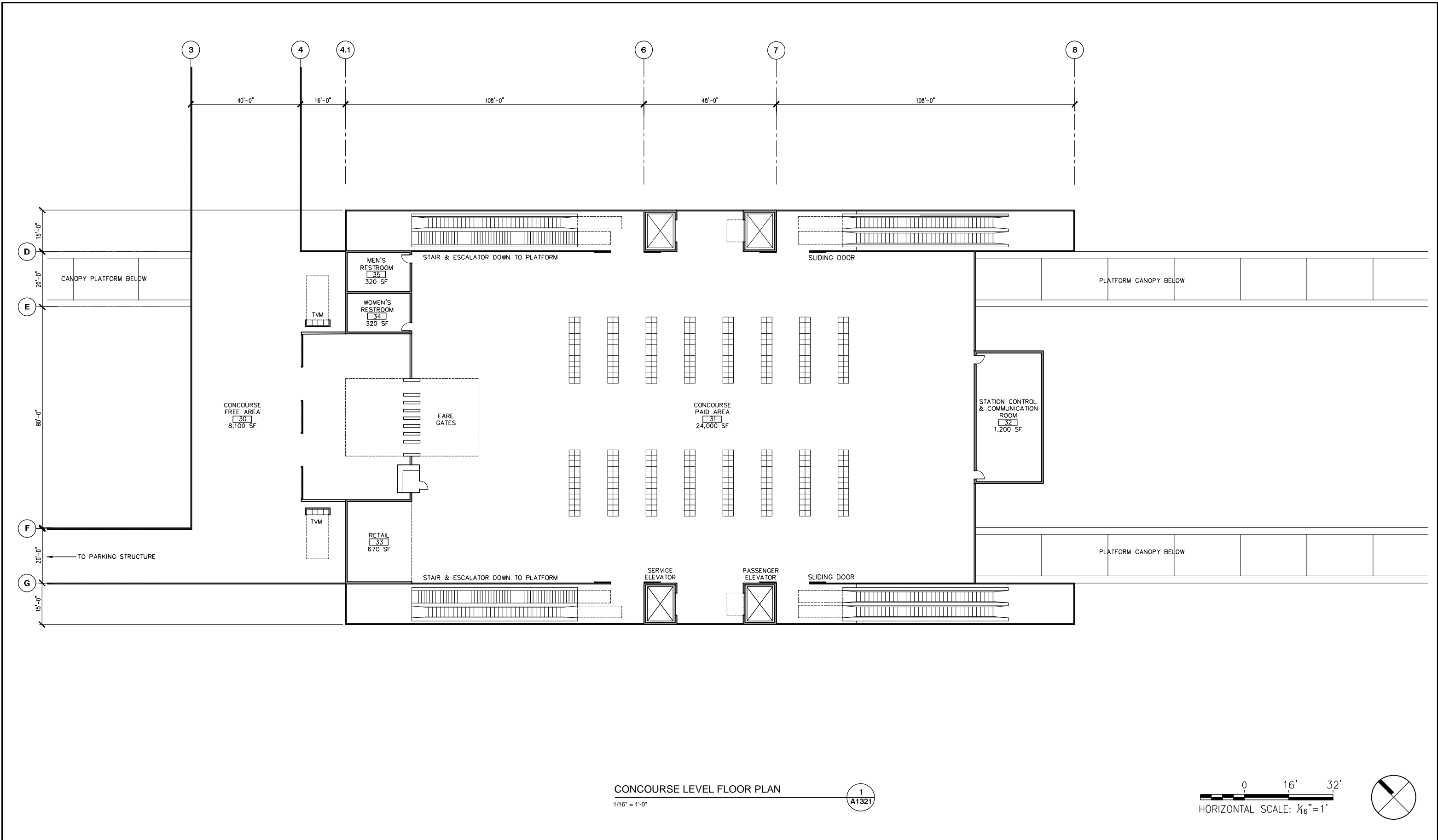
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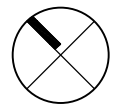
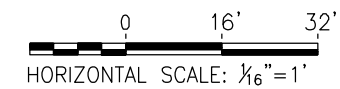
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
  
MERCED STATION/SITE C  
CONCOURSE LEVEL PLAN

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
A1320  
SCALE  
1" = 50'  
SHEET NO.  
7 of 11



CONCOURSE LEVEL FLOOR PLAN  
1/16" = 1'-0"

1  
A1321



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
A. CHEN  
DRAWN BY  
R. MARKARIAN  
CHECKED BY  
A. CHEN  
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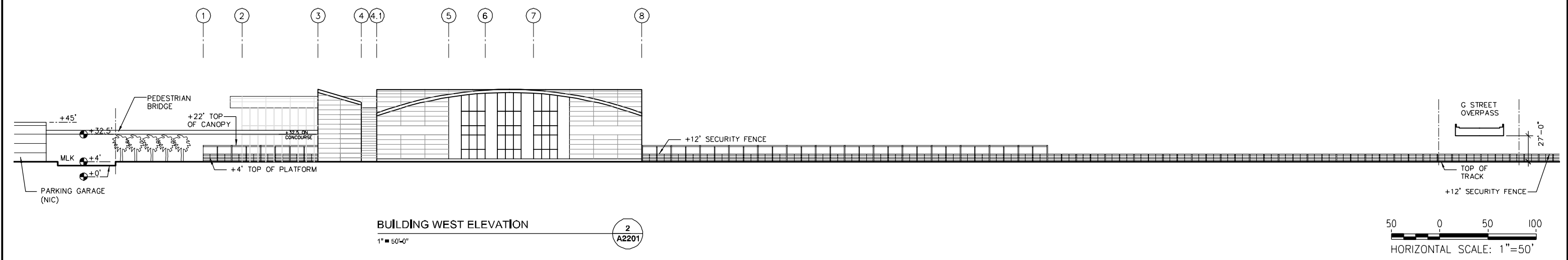
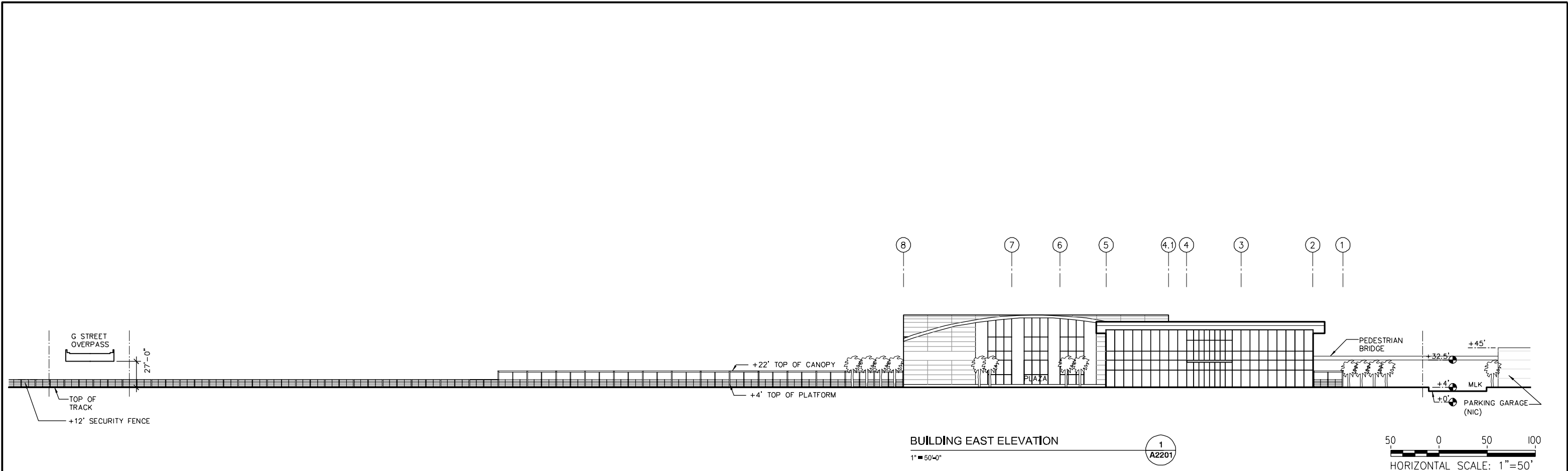
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**  
  
MERCED STATION/SITE C  
CONCOURSE LEVEL PLAN

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
A1321  
SCALE  
1/16" = 1'-0"  
SHEET NO.  
8 of 11





REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
A. CHEN  
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R. MARKARIAN  
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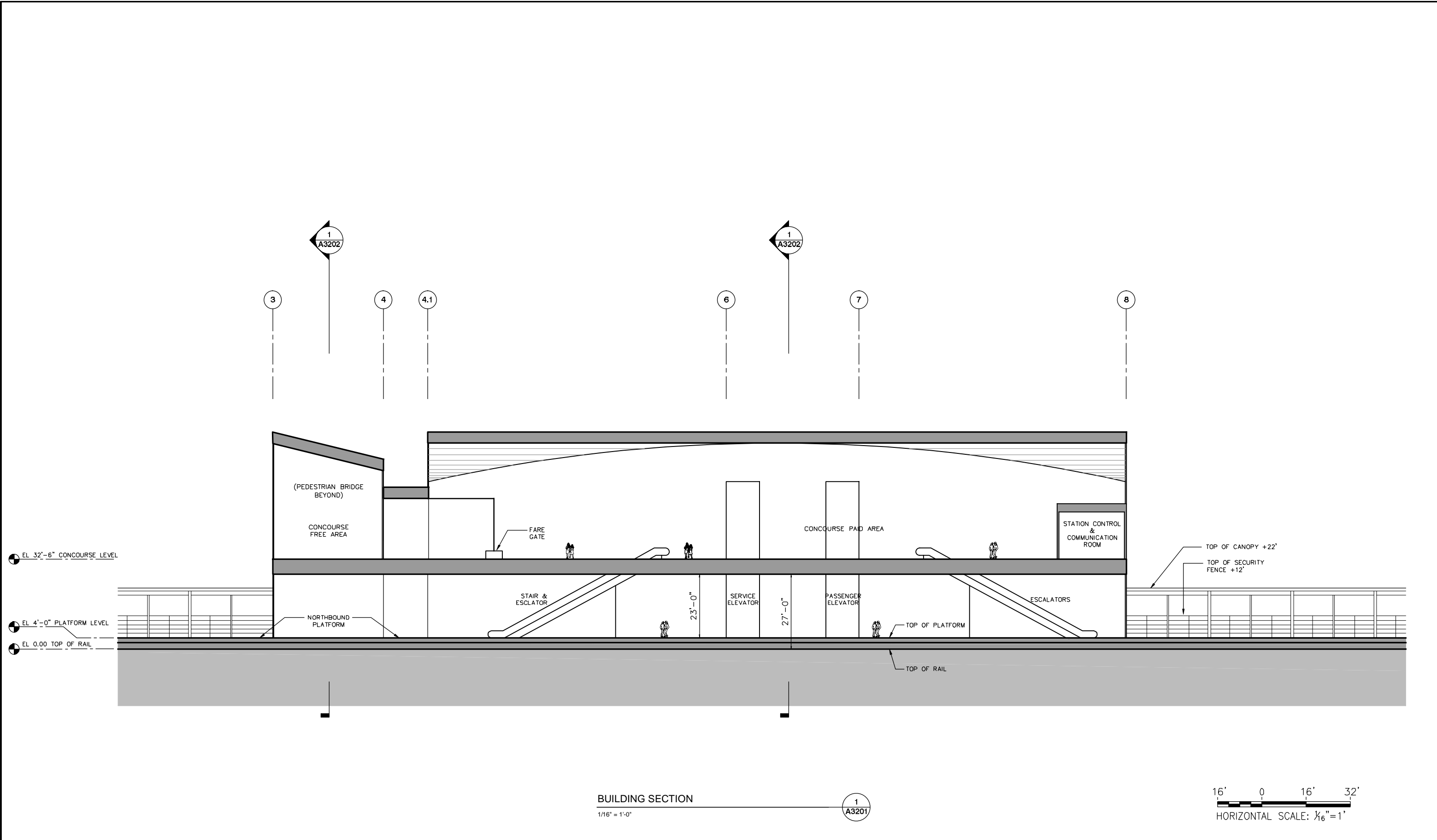
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
  
MERCED STATION/SITE C  
BUILDING ELEVATIONS

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
A2201  
SCALE  
1"=50'  
SHEET NO.  
9 of 11



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
A. CHEN  
 DRAWN BY  
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A. CHEN  
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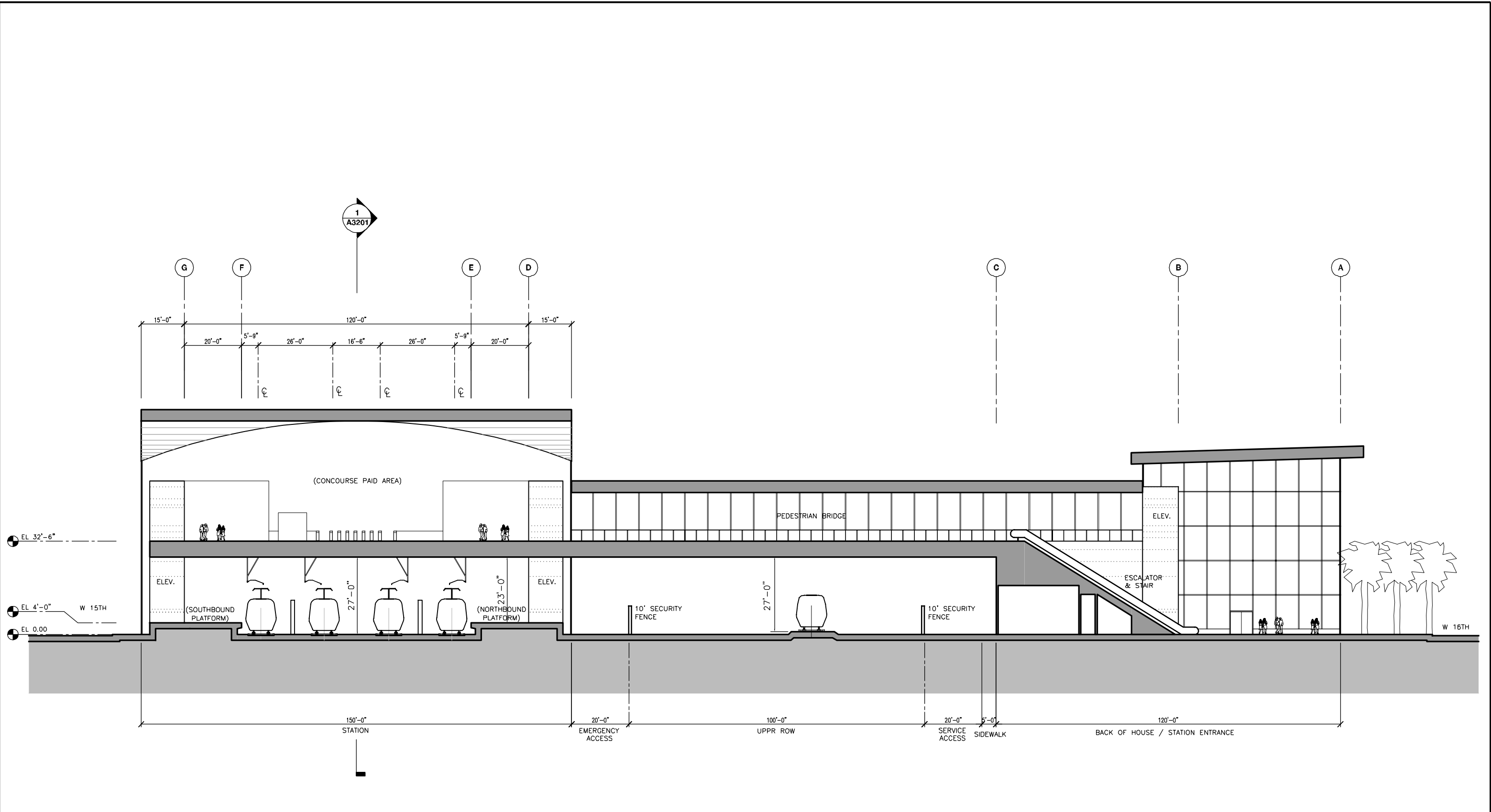
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
 MERCED STATION/SITE C  
 BUILDING SECTION

CONTRACT NO.  
HSR06-007  
 DRAWING NO.  
A3201  
 SCALE  
1/16" = 1'-0"  
 SHEET NO.  
10 of 11



BUILDING SECTION

1/16" = 1'-0"

1  
A3202



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
A. CHEN  
DRAWN BY  
R. MARKARIAN  
CHECKED BY  
A. CHEN  
IN CHARGE  
A. BOONE  
DATE  
06.30.2011

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2020 L STREET  
SUITE 300  
SACRAMENTO, CA 95811  
UNITED STATES  
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**CALIFORNIA**  
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
MERCED STATION/SITE C  
BUILDING SECTION

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
A3202  
SCALE  
1/16" = 1'-0"  
SHEET NO.  
11 of 11

# GENERAL SHEETS

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.
A0001	FRESNO TO BAKERSFIELD— STATIONS DRAWINGS— COVER SHEET	SHEET 1 OF 4
A0002	FRESNO TO BAKERSFIELD— STATIONS DRAWINGS— INDEX OF SHEETS	SHEET 2 OF 4
A0003	FRESNO TO BAKERSFIELD— STATIONS DRAWINGS— GENERAL ABBREVIATIONS	SHEET 3 OF 4
A0004	FRESNO TO BAKERSFIELD— STATIONS DRAWINGS— GENERAL ABBREVIATIONS	SHEET 4 OF 4

## FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.
A1101	FRESNO SUBSECTION— ALIGNMENT F1 - GROUND LEVEL SITE PLAN	SHEET 1 OF 15
A1102	FRESNO SUBSECTION— ALIGNMENT F1 - ROOF LEVEL SITE PLAN	SHEET 2 OF 15
A1110	FRESNO SUBSECTION— ALIGNMENT F1 - GROUND LEVEL/PLATFORM KEY PLAN	SHEET 3 OF 15
A1111	FRESNO SUBSECTION— ALIGNMENT F1 - EAST ENTRY FLOOR PLAN	SHEET 4 OF 15
A1112	FRESNO SUBSECTION— ALIGNMENT F1 - WEST ENTRY/PLATFORM FLOOR PLAN	SHEET 5 OF 15
A1120	FRESNO SUBSECTION— ALIGNMENT F1 - CONCOURSE KEY PLAN	SHEET 6 OF 15
A1121	FRESNO SUBSECTION— ALIGNMENT F1 - EAST CONCOURSE FLOOR PLAN	SHEET 7 OF 15
A1122	FRESNO SUBSECTION— ALIGNMENT F1 - WEST CONCOURSE FLOOR PLAN	SHEET 8 OF 15
A1130	FRESNO SUBSECTION— ALIGNMENT F1 - ROOF KEY PLAN	SHEET 9 OF 15
A3101	FRESNO SUBSECTION— ALIGNMENT F1 - BUILDING SECTIONS	SHEET 10 OF 15
A3102	FRESNO SUBSECTION— ALIGNMENT F1 - BUILDING SECTIONS	SHEET 11 OF 15
A6101	FRESNO SUBSECTION— ALIGNMENT F1 - ROOM SCHEDULE	SHEET 12 OF 15
A9101	FRESNO SUBSECTION— ALIGNMENT F1 - AXONOMETRIC VIEWS	SHEET 13 OF 15
A9102	FRESNO SUBSECTION— ALIGNMENT F1 - 3D ELEVATION VIEWS	SHEET 14 OF 15
A9103	FRESNO SUBSECTION— ALIGNMENT F1 - 3D ELEVATION VIEWS	SHEET 15 OF 15

## FRESNO HIGH SPEED TRAIN STATION - KERN OPTION

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.
A1201	FRESNO SUBSECTION— ALIGNMENT F1 - GROUND LEVEL SITE PLAN	SHEET 1 OF 15
A1202	FRESNO SUBSECTION— ALIGNMENT F1 - ROOF LEVEL SITE PLAN	SHEET 2 OF 15
A1210	FRESNO SUBSECTION— ALIGNMENT F1 - GROUND LEVEL/PLATFORM KEY PLAN	SHEET 3 OF 15
A1211	FRESNO SUBSECTION— ALIGNMENT F1 - EAST ENTRY FLOOR PLAN	SHEET 4 OF 15
A1212	FRESNO SUBSECTION— ALIGNMENT F1 - WEST ENTRY/PLATFORM FLOOR PLAN	SHEET 5 OF 15
A1220	FRESNO SUBSECTION— ALIGNMENT F1 - CONCOURSE KEY PLAN	SHEET 6 OF 15
A1221	FRESNO SUBSECTION— ALIGNMENT F1 - EAST CONCOURSE FLOOR PLAN	SHEET 7 OF 15
A1222	FRESNO SUBSECTION— ALIGNMENT F1 - WEST CONCOURSE FLOOR PLAN	SHEET 8 OF 15
A1230	FRESNO SUBSECTION— ALIGNMENT F1 - ROOF KEY PLAN	SHEET 9 OF 15
A3201	FRESNO SUBSECTION— ALIGNMENT F1 - BUILDING SECTIONS	SHEET 10 OF 15
A3202	FRESNO SUBSECTION— ALIGNMENT F1 - BUILDING SECTIONS	SHEET 11 OF 15
A6201	FRESNO SUBSECTION— ALIGNMENT F1 - ROOM SCHEDULE	SHEET 12 OF 15
A9201	FRESNO SUBSECTION— ALIGNMENT F1 - AXONOMETRIC VIEWS	SHEET 13 OF 15
A9202	FRESNO SUBSECTION— ALIGNMENT F1 - 3D ELEVATION VIEWS	SHEET 14 OF 15
A9203	FRESNO SUBSECTION— ALIGNMENT F1 - 3D ELEVATION VIEWS	SHEET 15 OF 15

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6/29/2011 5:22:04 PM

REV	DATE	BY	CHK	APP	DESCRIPTION
	06/30/11				15% RECORD SET

DESIGNED BY <b>D. BACKMAN</b>
DRAWN BY <b>D. BACKMAN</b>
CHECKED BY <b>J. ANDERSON</b>
IN CHARGE <b>E. NAOR</b>
DATE <b>06/30/11</b>



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 STATIONS DRAWINGS  
 PLANS, ELEVATIONS AND SECTIONS

**INDEX OF SHEETS**

CONTRACT NO.	
DRAWING NO.	<b>A0002</b>
SCALE	
SHEET NO.	<b>2 OF 4</b>

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**A**

AB AGGREGATE BASE  
 ABBC ASBESTOS BONDED BITUMINOUS COATED  
 ABM AIR-BLOWN MORTAR  
 ABN ABANDON  
 ABUT ABUTMENT  
 AC ASPHALT CONCRETE  
 ACB ASPHALT CONCRETE BASE  
 ACP ASBESTOS CEMENT PIPE  
 ADL ADDED DEAD LOAD  
 ADJ ADJUST  
 AFES ALTERNATIVE FLARED END SECTION  
 AHD AHEAD  
 ALT ALTERNATE  
 AM TIME FROM MIDNIGHT TO NOON  
 AP ALTERNATIVE PIPE  
 APC ALTERNATIVE PIPE CULVERT  
 APPROX APPROXIMATE  
 APU ALTERNATIVE PIPE UNDERDRAIN  
 ARS ACCELERATION RESPONSE SPECTRUM  
 AS AGGREGATE SUBBASE  
 ASRP ALUMINUM SPIRAL RIB PIPE  
 ASSY ASSEMBLY  
 ATPB ASPHALT TREATED PERMEABLE BASE  
 ATPM ASPHALT TREATED PERMEABLE MATERIAL  
 AVE AVENUE  
 AVG AVERAGE  
 @ AT

**B**

BAGR BRIDGE APPROACH GUARD RAILING  
 BB BEGINNING OF BRIDGE  
 BC BEGIN HORIZONTAL CURVE  
 BCR BEGIN CURB RETURN  
 BEG BEGIN  
 BIT CTD BITUMINOUS COATED  
 BK BACK  
 BKF BACKFILL  
 BLDG BUILDING  
 BLM BRIDGE-LOG MILE  
 BLVD BOULEVARD  
 BM BENCH MARK  
 BNSF BURLINGTON NORTH & SANTA FE  
 BOT BOTTOM  
 BR BRIDGE  
 BRG BEARING  
 BTU BRITISH THERMAL UNIT  
 BVC BEGIN VERTICAL CURVE  
 BW BARBED WIRE

**C**

CAA CABLE ANCHOR ASSEMBLY  
 CAP CORRUGATED ALUMINUM PIPE  
 CAPA CORRUGATED ALUMINUM PIPE ARCH  
 CAS CONSTRUCTION AREA SIGN  
 CB CONCRETE BARRIER  
 CBW CONCRETE BLOCK WALL  
 C-C CENTER TO CENTER  
 CHSRA CALIFORNIA HIGH SPEED RAIL AUTHORITY  
 CHST CALIFORNIA HIGH SPEED TRAIN  
 CHSR CALIFORNIA HIGH SPEED RAIL

**C CONTINUED**

CG CENTER OF GRAVITY  
 CHNL CHANNEL  
 CI CAST IRON  
 CIDH CAST-IN-DRILLED-HOLE  
 CIP CAST-IN-PLACE, CAST IRON PIPE  
 CIPCP CAST IN PLACE CONCRETE PIPE  
 CISS CAST-IN-STEEL-SHELL  
 CJP COMPLETE JOINT PENETRATION  
 CL CENTERLINE  
 CL-6 CHAIN LINK FENCE (6 FT)  
 CLR CLEAR, CLEARANCE  
 CM CORRUGATED METAL  
 CMP CORRUGATED METAL PIPE  
 CO COUNTY  
 COL COLUMN  
 CONC CONCRETE  
 COND CONDUIT  
 CONN CONNECTOR  
 CONST CONSTRUCT, CONSTRUCTION  
 CONT CONTINUOUS  
 COORD COORDINATE  
 CP CANDLEPOWER  
 CR CREEK  
 CRCP CONTINUOUS REINFORCED CONCRETE PAVEMENT  
 CRSP CONCRETED ROCK SLOPE PROTECTION  
 CS CURVE TO SPIRAL  
 CSP CORRUGATED STEEL PIPE  
 CSPA CORRUGATED STEEL PIPE ARCH  
 CTB CEMENT TREATED BASE  
 CTPB CEMENT TREATED PERMEABLE BASE  
 CTPM CEMENT TREATED PERMEABLE MATERIAL  
 CTRS CENTERS  
 CULV CULVERT  
 CENTERLINE

**D**

D DEPTH  
 DD DOWNDRAIN  
 DBL DOUBLE  
 DEG DEGREE  
 DEL DELINEATOR  
 DET DETAIL, DETOUR  
 DF BOTTOM  
 DI DRAINAGE INLET, DROP INLET  
 DIA DIAMETER  
 DIAPH DIAPHRAGM  
 DIST DISTANCE, DISTRICT  
 DMBB DOUBLE METAL BEAM BARRIER  
 DR DRIVE  
 DTBB DOUBLE THRIE BEAM BARRIER  
 DWY DRIVEWAY

**E**

E EAST  
 EA ACTUAL SUPERELEVATION  
 EU UNBALANCED SUPERELEVATION  
 EASE EASEMENT  
 EB END OF BRIDGE, EASTBOUND  
 EC END HORIZONTAL CURVE  
 ECR END CURB RETURN  
 ED EDGE DRAIN

**E CONTINUED**

EDC EDGE DRAIN CLEANOUT  
 EDO EDGE DRAIN OUTLET  
 EDV EDGE DRAIN VENT  
 ELEC ELECTRIC  
 ELECT ELECTRIC  
 ELEV ELEVATION  
 EMB EMBANKMENT  
 ENGR ENGINEER  
 EOD EDGE OF DECK  
 EP EDGE OF PAVEMENT  
 EQ EQUATION  
 ES EDGE OF SHOULDER  
 ETW EDGE OF TRAVELED WAY  
 EVC END VERTICAL CURVE  
 EW ENDWALL  
 EXC EXCAVATION  
 EXIST, EX EXISTING  
 EXP EXPANSION, EXPRESSWAY  
 EXP JT EXPANSION JOINT  
 EXT EXTERIOR

**F**

F & C FRAME AND COVER  
 F & G FRAME AND GRATE  
 FB FLOOR BEAM  
 F-B FRESNO TO BAKERSFIELD  
 FDN FOUNDATION  
 FEBT FACING EASTBOUND TRAFFIC  
 FES FLARED END SECTION  
 FF FILTER FABRIC  
 FG FINISHED GRADE  
 FH FIRE HYDRANT  
 FIG FIGURE  
 FL FLOW LINE  
 FNBT FACING NORTHBOUND TRAFFIC  
 FOC FACE OF CONCRETE  
 FR RD FRONTAGE ROAD  
 FS FAR SIDE, FINISHED SURFACE  
 FSBT FACING SOUTHBOUND TRAFFIC  
 FTG FOOTING  
 FWBT FACING WESTBOUND TRAFFIC  
 FWY FREEWAY  
 FPLM FULL SPAN PRECAST LAUNCHING METHOD

**G**

G ACCELERATION DUE TO GRAVITY  
 GA GAGE  
 GALV GALVANIZED  
 GP GRADING PLANE  
 GR GUARD RAILING  
 GSP GALVANIZED STEEL PIPE  
 GTR GUTTER

**H**

H HEIGHT  
 H, HR HOUR  
 HD HORIZONTAL DRAIN  
 HDWL HEADWALL  
 HEX HD HEXAGONAL HEAD  
 HMA HOT MIXED ASPHALT  
 HORIZ HORIZONTAL  
 HP HINGE POINT, HORSEPOWER

**H CONTINUED**

HPS HIGH PERFORMANCE STEEL  
 HS HIGH STRENGTH  
 HST HIGH SPEED TRAIN  
 HSR HIGH SPEED RAIL  
 HW HEADWALL, HIGH WATER  
 HWM HIGH WATER MARK  
 HWY HIGHWAY

**I**

IB IMPORTED BORROW  
 ID INSIDE DIAMETER  
 IF INSIDE FACE  
 INT INTERIOR  
 INV INVERT  
 IRR IRRIGATION

**J**

JCT JUNCTION  
 JP JOINT POLE  
 JPCP JOINTED PLAIN CONCRETE PAVEMENT  
 JS JUNCTION STRUCTURE  
 JT JOINT

**K**

K DISTANCE TO ACHIEVE 1% GRADE CHANGE

**L**

L LENGTH  
 LAT LATITUDE  
 LCB LEAN CONCRETE BASE  
 LN LANE  
 LOC LOCATION  
 LOL LAYOUT LINE  
 LONG LONGITUDE  
 LONGIT LONGITUDINAL  
 LS LENGTH OF SPIRAL  
 LC LENGTH OF CURVE  
 LT LEFT

**M**

MAINT MAINTENANCE  
 MAX MAXIMUM  
 MB METAL BEAM  
 MBB METAL BEAM BARRIER  
 MBGR METAL BEAM GUARD RAILING  
 MED MEDIAN  
 M-F MERCED TO FRESNO  
 MH MANHOLE  
 MIN MINIMUM  
 MISC MISCELLANEOUS  
 MISC I & S MISCELLANEOUS IRON AND STEEL  
 MKR MARKER  
 ML MAIN LINE (RAILWAY)  
 MOD MODIFIED, MODIFY  
 MON MONUMENT  
 MP METAL PLATE  
 MPGR METAL PLATE GUARD RAILING  
 MPH MILES PER HOUR  
 MR MOVEMENT RATING  
 MSE MECHANICALLY STABILIZED EMBANKMENT  
 MTL MATERIAL  
 MSS MOVING SCAFFOLDING SYSTEM

**N**

N NORTH  
 NB NORTHBOUND  
 NO. NUMBER (MUST HAVE PERIOD)  
 NOS. NUMBERS (MUST HAVE PERIOD)  
 NPS NOMINAL PIPE SIZE  
 NS NEAR SIDE  
 NTS NOT TO SCALE  
 N/A NOT APPLICABLE

**O**

OBLR OBLITERATE  
 OC OVERCROSSING  
 OCS OVERHEAD CONTACT SYSTEM  
 OD OUTSIDE DIAMETER  
 OF OUTSIDE FACE  
 OG ORIGINAL GROUND  
 OGAC OPEN GRADED ASPHALT CONCRETE  
 OH OVERHEAD  
 O-O OUT TO OUT  
 OPP OPPOSITE

**P**

P PAGE  
 PAP PERFORATED ALUMINUM PIPE  
 PB PULL BOX  
 PC POINT OF CURVATURE, PRECAST  
 PCC POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE  
 PCP PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE  
 PCVC POINT OF COMPOUND VERTICAL CURVE  
 PED PEDESTRIAN  
 PED OC PEDESTRIAN OVERCROSSING  
 PED UC PEDESTRIAN UNDERCROSSING  
 PERM MTL PERMEABLE MATERIAL  
 PG PROFILE GRADE  
 PI POINT OF INTERSECTION  
 PJP PARTIAL JOINT PENETRATION  
 PL PLATE  
 P/L PROPERTY LINE  
 PM POST MILE, TIME FROM NOON TO MIDNIGHT  
 PN PAVING NOTCH  
 POC POINT OF HORIZONTAL CURVE  
 POE POINT OF ENDING  
 POT POINT OF TANGENT  
 POVC POINT OF VERTICAL CURVE  
 PP PIPE PILE, PLASTIC PIPE, POWER POLE  
 PPL PERFORMED PERMEABLE LINER  
 PPP PERFORATED PLASTIC PIPE  
 PRC POINT OF REVERSE CURVE  
 PRF PAVEMENT REINFORCING FABRIC  
 PRVC POINT OF REVERSE VERTICAL CURVE  
 PS&E PLANS, SPECIFICATIONS AND ESTIMATES  
 PS, P/S PRESTRESSED  
 PSP PERFORATED STEEL PIPE  
 PT POINT OF TANGENCY  
 PVC POLYVINYL CHLORIDE  
 PVMT PAVEMENT

**Q**

QTY QUANTITY

DESIGNED BY D. BACKMAN	DATE 06/30/11
DRAWN BY D. BACKMAN	
CHECKED BY J. ANDERSON	
IN CHARGE E. NAOR	
DATE 06/30/11	

BY	CHK	APP

15% RECORD SET
DESCRIPTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 STATIONS DRAWINGS  
 PLANS, ELEVATIONS AND SECTIONS

**GENERAL ABBREVIATIONS**

CONTRACT NO.	
DRAWING NO.	A0003
SCALE	
SHEET NO.	3 OF 4

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**R**

R RADIUS  
R & D REMOVE AND DISPOSE  
R & S REMOVE AND SALVAGE  
R/C RATE OF CHANGE  
RCA REINFORCED CONCRETE ARCH  
RCB REINFORCED CONCRETE BOX  
RCP REINFORCED CONCRETE PIPE  
RCPA REINFORCED CONCRETE PIPE ARCH  
RD ROAD  
REINF REINFORCED,  
REINFORCEMENT,  
REINFORCING  
REL RELOCATE  
REPL REPLACEMENT  
RET RETAINING  
REV REVISED  
RDWY ROADWAY  
RM ROAD-MIXED  
RP RADIUS POINT,  
REFERENCE POINT  
RR RAILROAD  
RSP ROCK SLOPE PROTECTION  
RT RIGHT  
RTE ROUTE  
RW REDWOOD,  
RETAINING WALL  
R/W RIGHT OF WAY  
RWY RAILWAY

**S**

S SOUTH,  
SUPPLEMENT  
SAE STRUCTURE APPROACH EMBANKMENT  
SALV SALVAGE  
SAPP STRUCTURAL ALUMINUM PLATE PIPE  
SB SOUTHBOUND  
SC SPIRAL TO CURVE  
SLOTTED CORRUGATED STEEL PIPE  
SD STORM DRAIN  
SEC SECOND,  
SECTION  
SEP SEPARATION  
SG SUBGRADE  
SHLD SHOULDER  
SHT SHEET  
SIM SIMILAR  
S STATION LINE  
SM SELECTED MATERIAL  
SPEC SPECIAL, SPECIFICATIONS  
SPP SLOTTED PLASTIC PIPE  
SS SLOPE STAKE, SPIRAL TO SPIRAL  
SSBM STRAP AND SADDLE BRACKET METHOD  
SSD STRUCTURAL SECTION DRAIN  
SSPA STRUCTURAL STEEL PLATE ARCH  
SSPP STRUCTURAL STEEL PLATE PIPE  
SSPPA STRUCTURAL STEEL PLATE PIPE ARCH  
SSRP STEEL SPIRAL RIB PIPE  
SR STATE ROUTE  
ST STREET, SPIRAL TO TANGENT  
STA STATION  
STBB SINGLE THRIE BEAM BARRIER

**S CONTINUED**

STD STANDARD  
STR STRUCTURE  
SURF SURFACING  
SW SIDEWALK, SOUND WALL  
SWR SEWER  
SYM SYMMETRICAL  
S4S SURFACE 4 SIDES  
SJV RR SAN JOAQUIN VALLEY RAILROAD

**T**

T SEMI-TANGENT  
TAB TABLET  
TAN TANGENT  
TBB THRIE BEAM BARRIER  
TBR TIMBER  
TC TOP OF CURB, TANGENT TO CURVE  
TCB TRAFFIC CONTROL BOX  
TEL TELEPHONE  
TEMP TEMPORARY  
TG TOP OF GRADE  
TOT TOTAL  
TP TELEPHONE POLE  
TPB TREATED PERMEABLE BASE  
TPM TREATED PERMEABLE MATERIAL  
TRANS TRANSITION  
TS TRANSVERSE  
TRAFFIC SIGNAL,  
TUBULAR STEEL  
TANGET TO SPIRAL  
TYP TYPICAL  
TOR TOP OF RAIL

**U**

UC UNDERCROSSING  
UD UNDERDRAIN  
UON UNLESS OTHERWISE NOTED  
UP UNDERPASS  
UPRR UNION PACIFIC RAILROAD

**V**

V VALVE,  
DESIGN SPEED  
VAR VARIABLE  
VC VERTICAL CURVE  
VCP VITRIFIED CLAY PIPE  
VERT VERTICAL  
VIA VIADUCT  
VOL VOLUME

**W**

W WEST,  
WIDTH  
WB WESTBOUND  
WH WEEP HOLE  
WM WIRE MESH  
WS WATER SURFACE  
WSP WELDED STEEL PIPE  
WT WEIGHT  
WV WATER VALVE  
WW WINGWALL  
WWLOL WINGWALL LAYOUT LINE

**X**

X SEC CROSS SECTION  
XING CROSSING

**Y**

YR YEAR  
YRS YEARS

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DRAWN BY D. BACKMAN
CHECKED BY J. ANDERSON
IN CHARGE E. NAOR
DATE 06/30/11



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
STATIONS DRAWINGS  
PLANS, ELEVATIONS AND SECTIONS

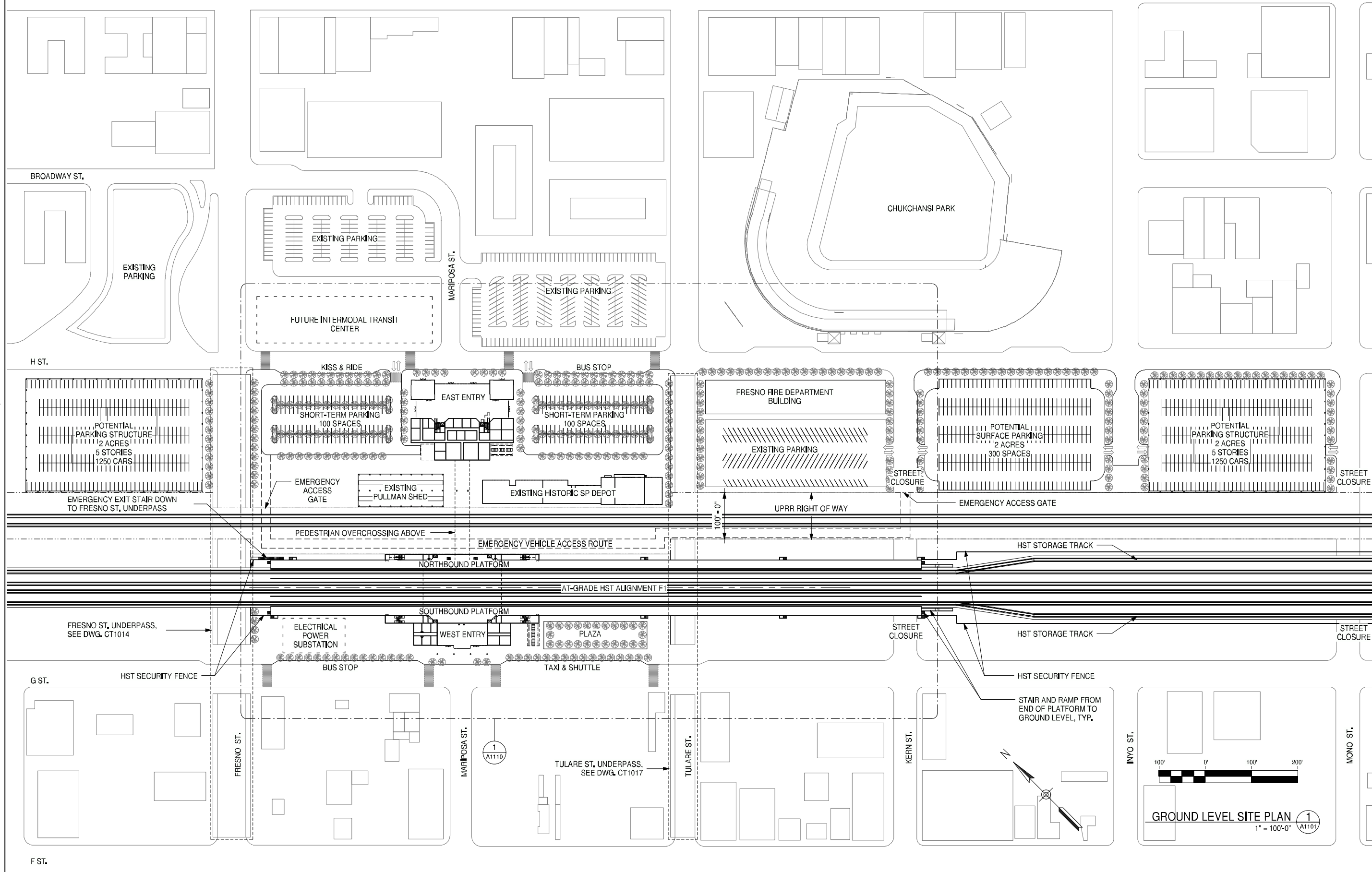
**GENERAL ABBREVIATIONS**

CONTRACT NO.	
DRAWING NO.	A0004
SCALE	
SHEET NO.	4 OF 4



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**GENERAL NOTES**

STATION SITE = 13 ACRES  
 (INCLUDES STATION BUILDING,  
 BUS TRANSIT CENTER, SHORT-  
 TERM PARKING AND KISS & RIDE)

POTENTIAL PARKING = 7.5 ACRES  
 (3 PARKING STRUCTURES  
 + 1 SURFACE PARKING LOT)

TOTAL = 20.5 ACRES

**KEY NOTES**

REV	DATE	BY	CHK	APP	DESCRIPTION
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D. BACKMAN

DRAWN BY  
D. BACKMAN

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J. ANDERSON

IN CHARGE  
E. NAOR

DATE  
06/30/11

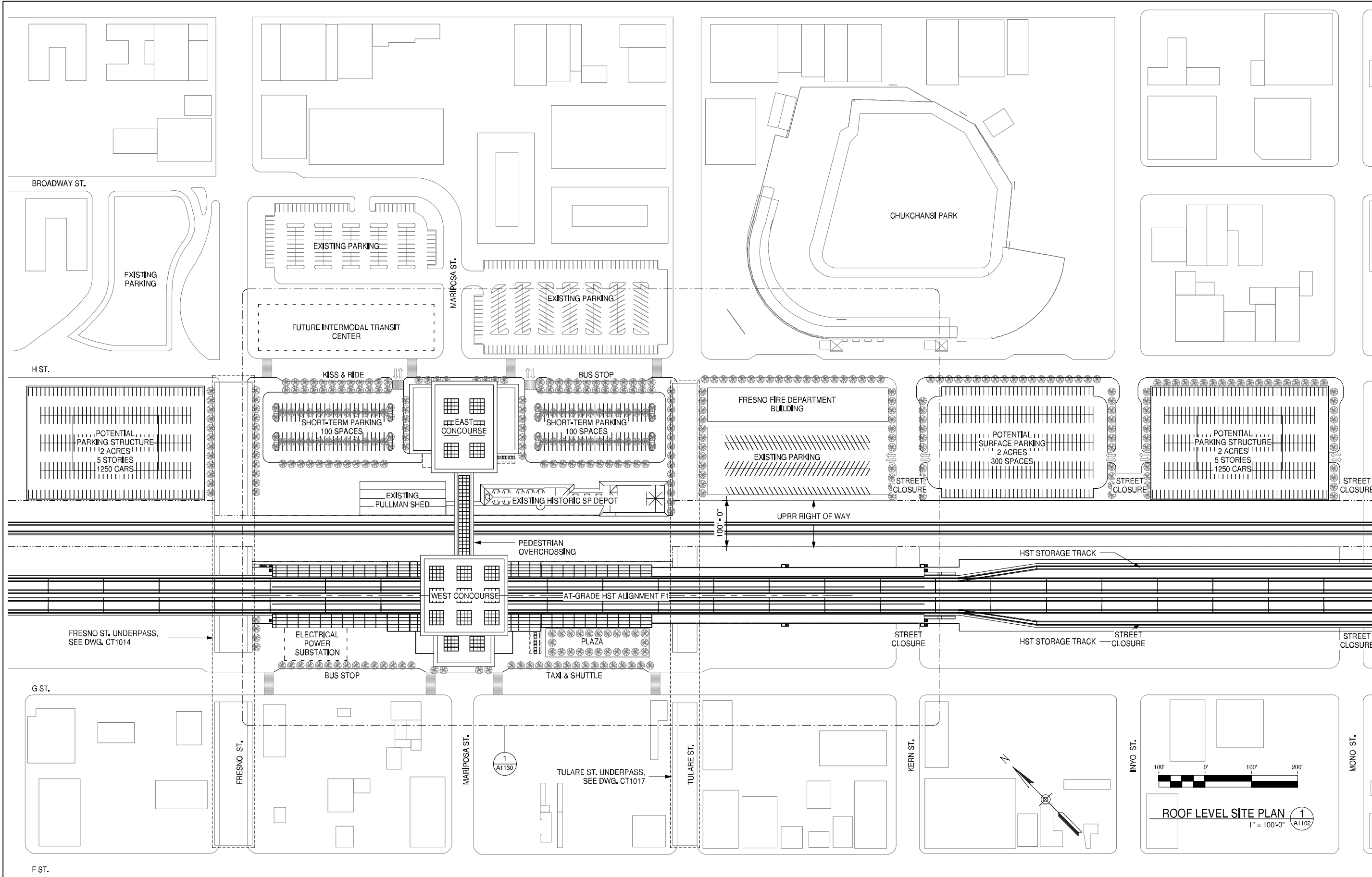


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**GROUND LEVEL SITE PLAN**

CONTRACT NO.	
DRAWING NO.	A1101
SCALE	1" = 100'-0"
SHEET NO.	

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GENERAL NOTES

KEY NOTES

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**D. BACKMAN**

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**J. ANDERSON**

IN CHARGE  
**E. NAOR**

DATE  
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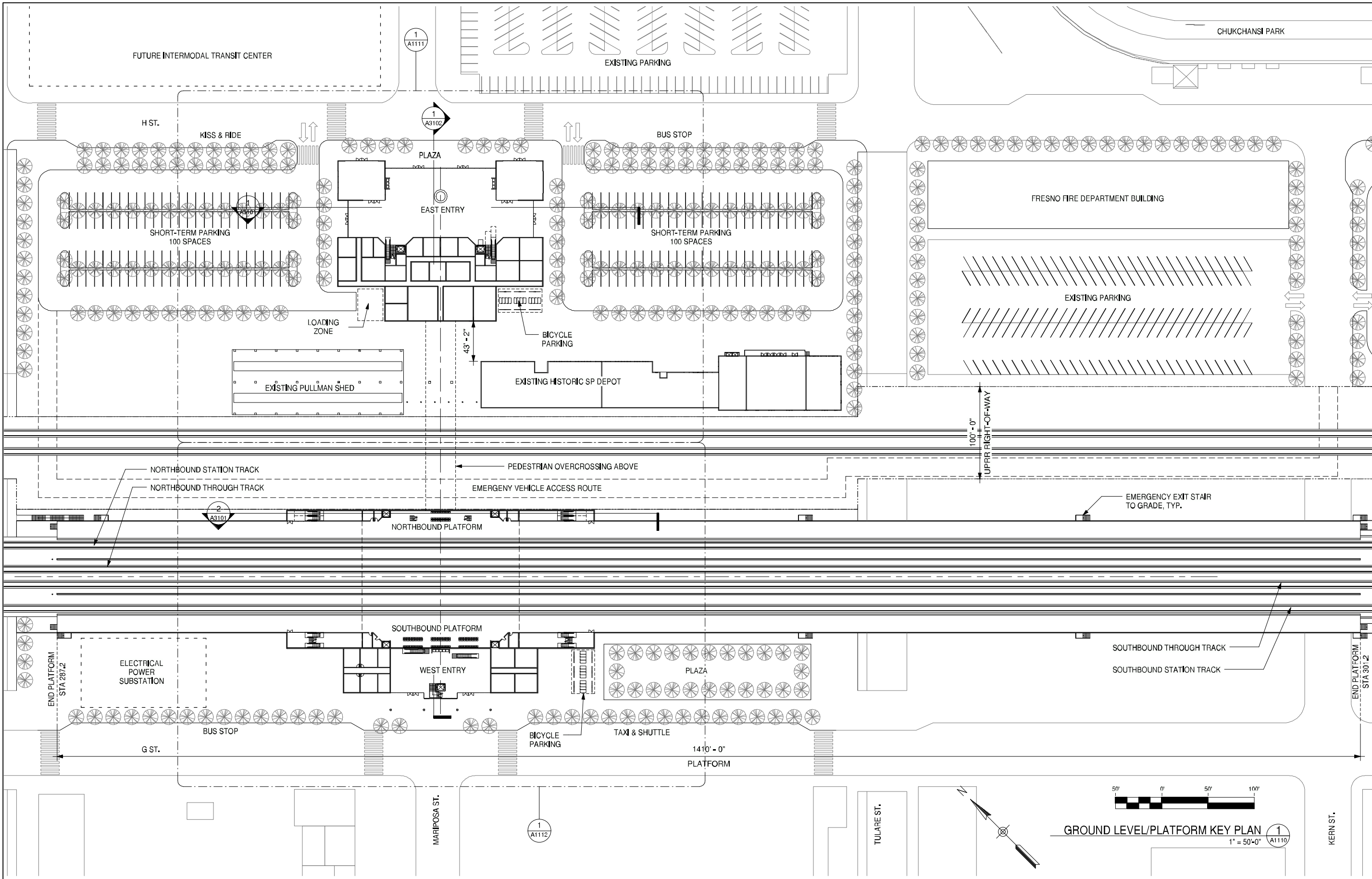


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**ROOF LEVEL SITE PLAN**

CONTRACT NO.	
DRAWING NO.	A1102
SCALE	1" = 100'-0"
SHEET NO.	

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**GENERAL NOTES**

**KEY NOTES**

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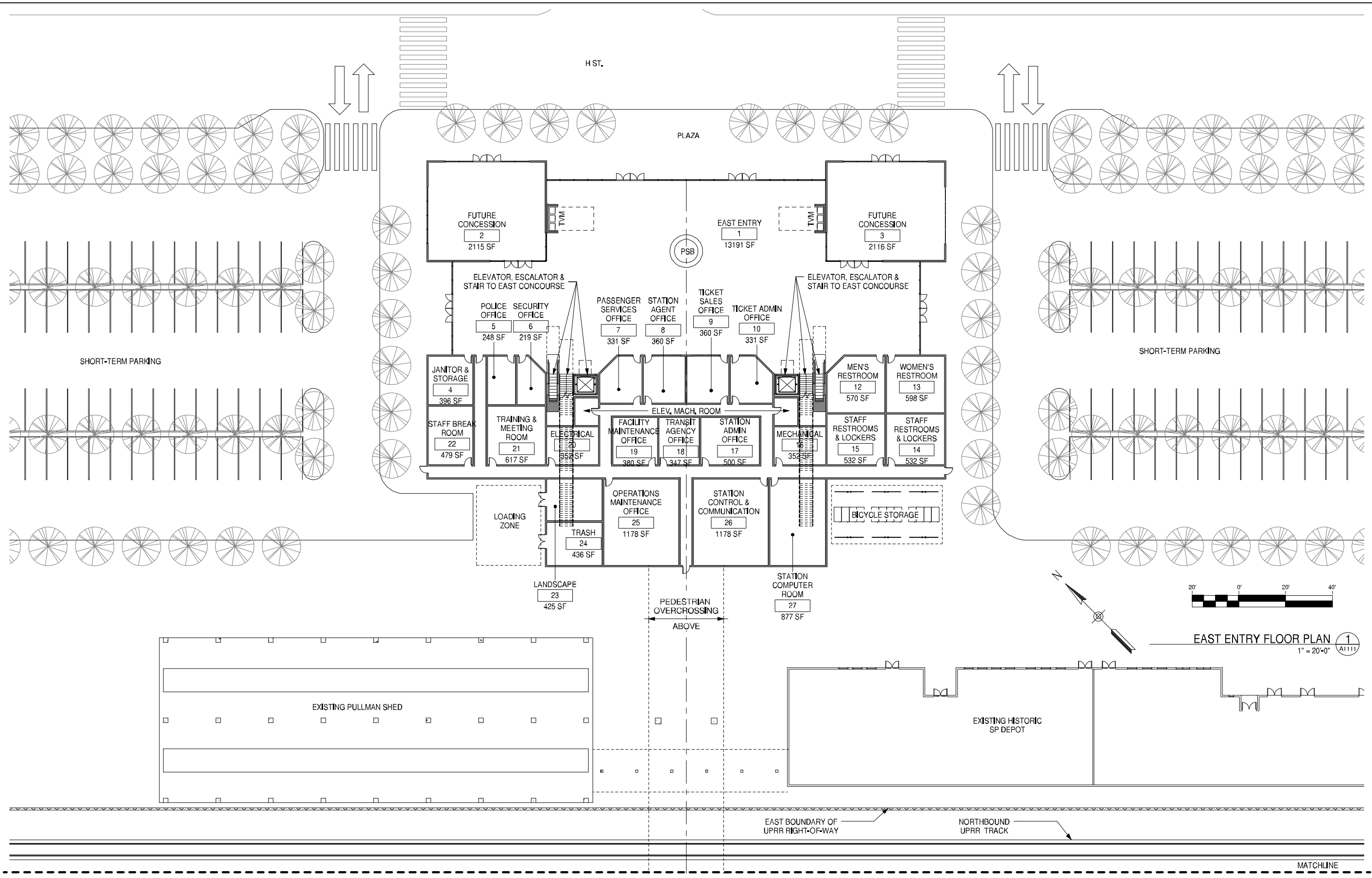
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**GROUND LEVEL/PLATFORM KEY PLAN**

CONTRACT NO.	
DRAWING NO.	A1110
SCALE	1" = 50'-0"
SHEET NO.	



GENERAL NOTES

KEY NOTES



EAST ENTRY FLOOR PLAN 1  
1" = 20'-0" A1111

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	06/30/11				

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IN CHARGE  
E. NAOR  
DATE  
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**EAST ENTRY FLOOR PLAN**

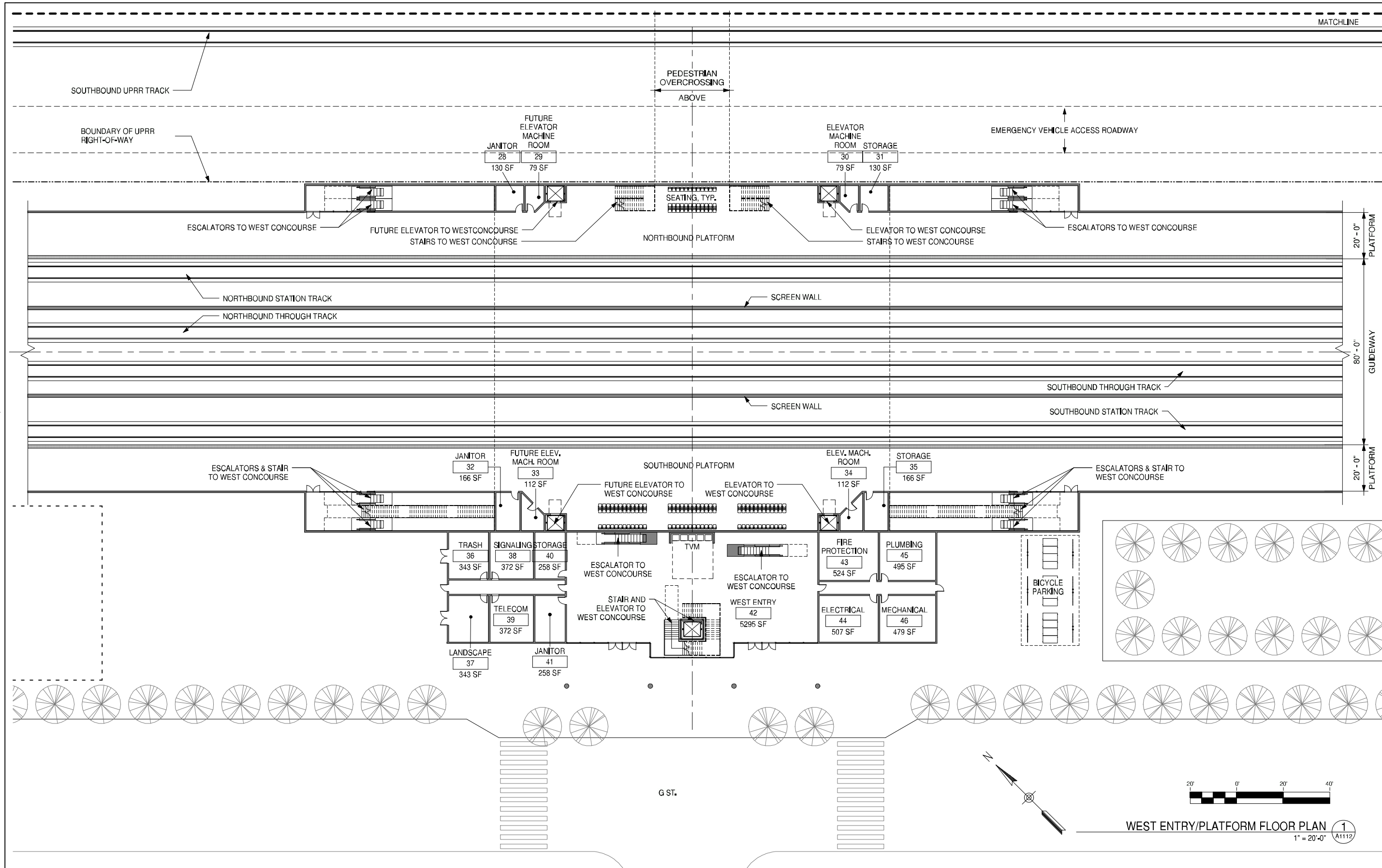
CONTRACT NO.	
DRAWING NO.	A1111
SCALE	1" = 20'-0"
SHEET NO.	

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MATCHLINE

GENERAL NOTES



KEY NOTES

WEST ENTRY/PLATFORM FLOOR PLAN 1  
1" = 20'-0" A1112

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	06/30/11				15% RECORD SET

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**D. BACKMAN**

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**E. NAOR**

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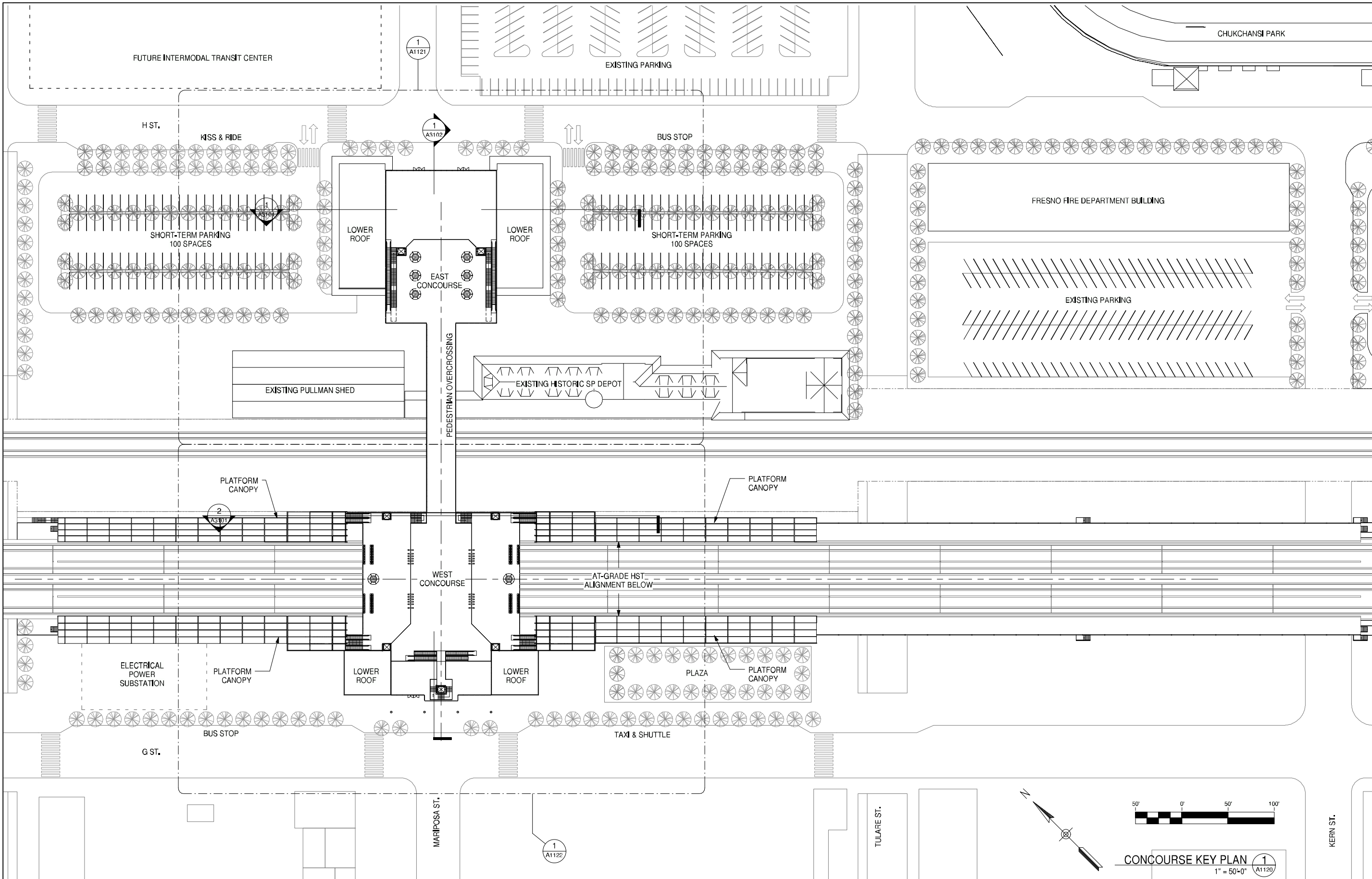


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**WEST ENTRY/PLATFORM FLOOR PAN**

CONTRACT NO.	
DRAWING NO.	A1112
SCALE	1" = 20'-0"
SHEET NO.	

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**GENERAL NOTES**

**KEY NOTES**

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**D. BACKMAN**

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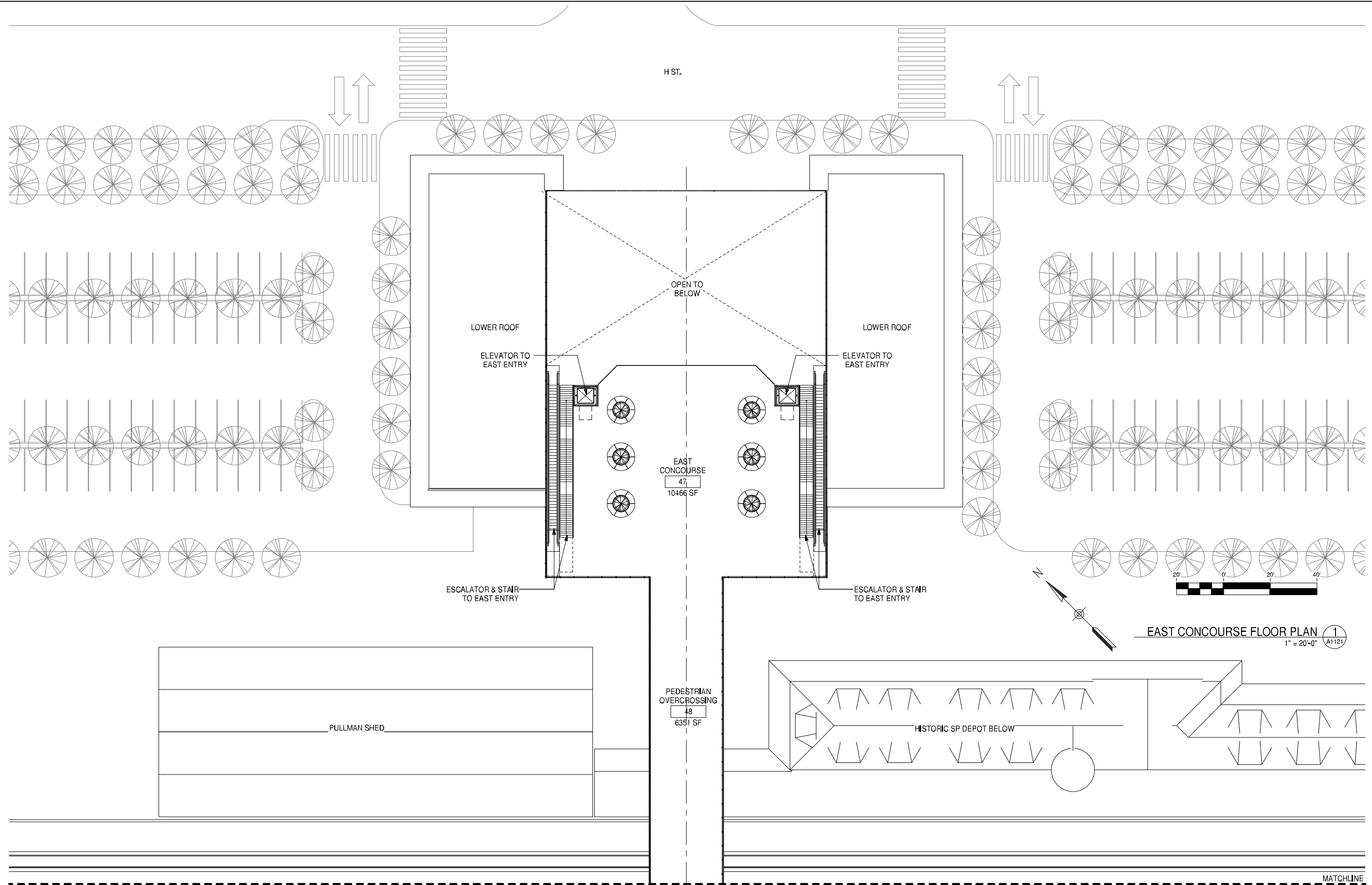
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**CONCOURSE KEY PLAN**

CONTRACT NO.	
DRAWING NO.	A1120
SCALE	1" = 50'-0"
SHEET NO.	



GENERAL NOTES

KEY NOTES



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**D. BACKMAN**  
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**J. ANDERSON**  
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**E. NAOR**  
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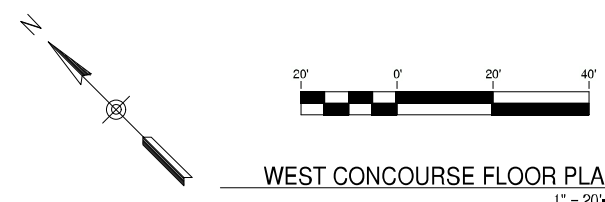
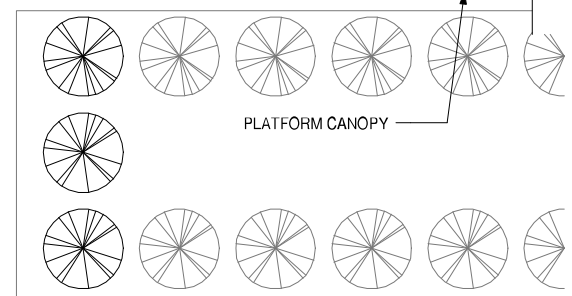
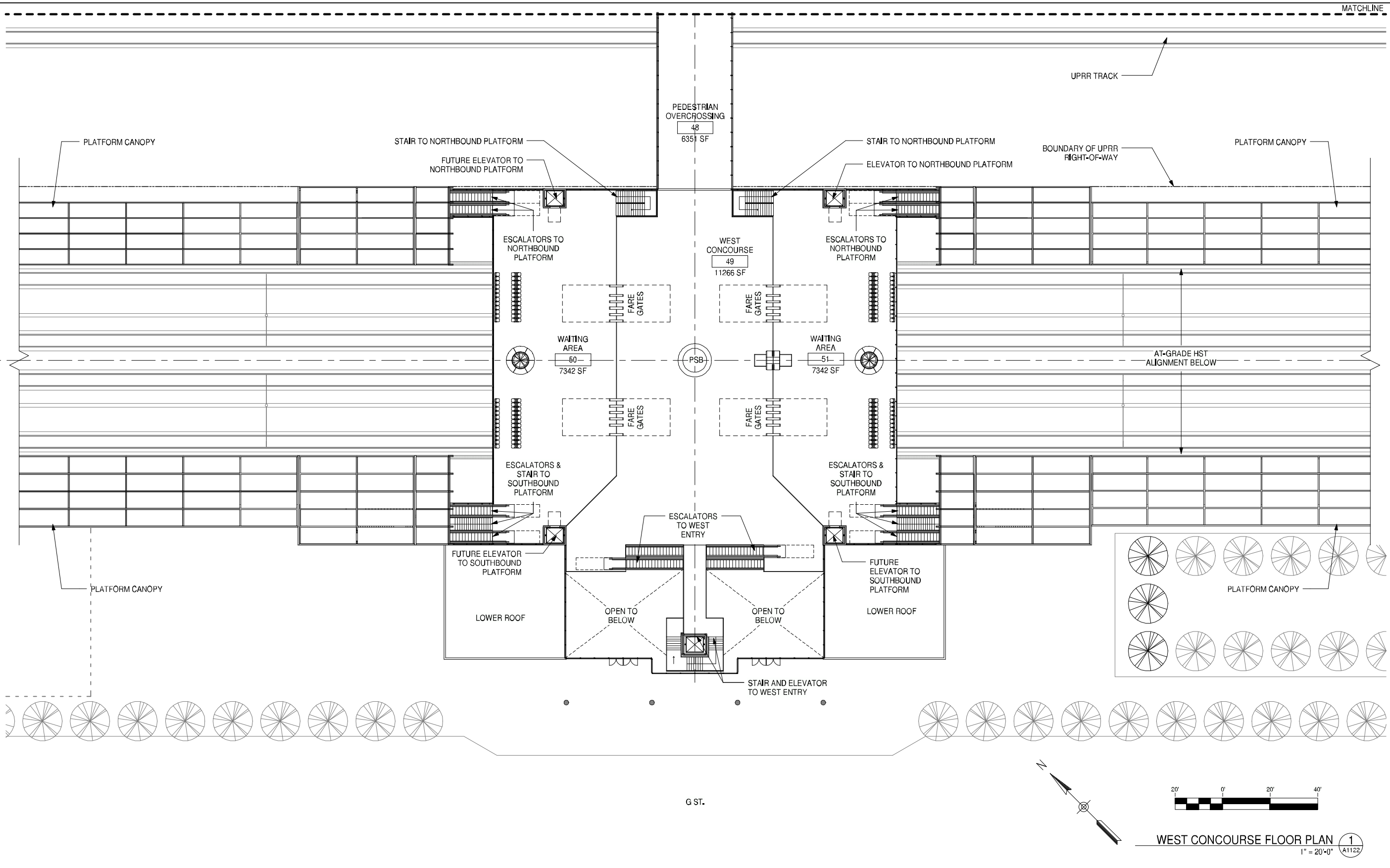


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**EAST CONCOURSE FLOOR PLAN**

CONTRACT NO.  
 DRAWING NO. **A1121**  
 SCALE **1" = 20'-0"**  
 SHEET NO.

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**GENERAL NOTES**

**KEY NOTES**

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	06/30/11				15% RECORD SET

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**D. BACKMAN**

CHECKED BY  
**J. ANDERSON**

IN CHARGE  
**E. NAOR**

DATE  
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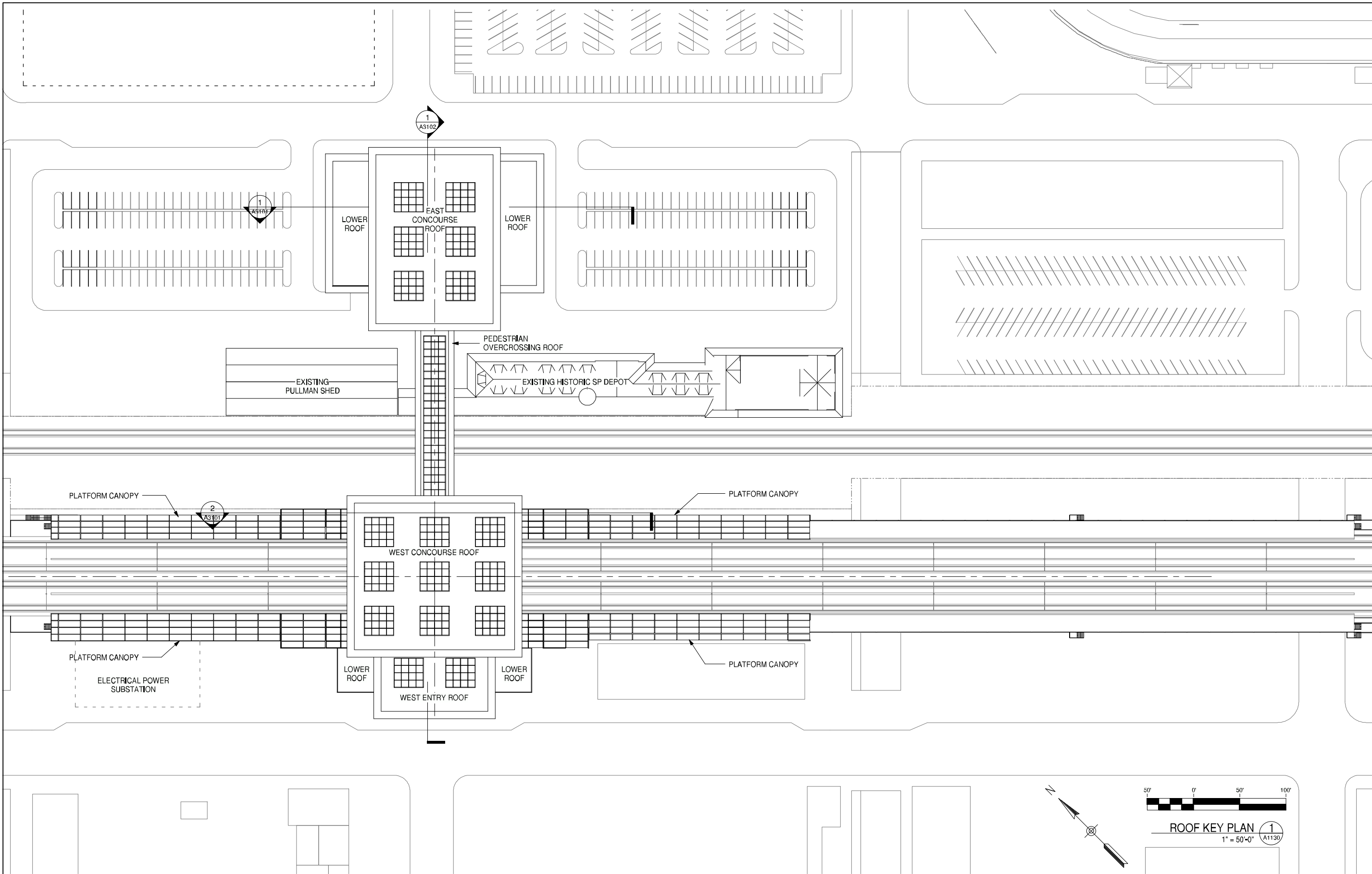


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**WEST CONCOURSE FLOOR PLAN**

CONTRACT NO.	
DRAWING NO.	A1122
SCALE	1" = 20'-0"
SHEET NO.	

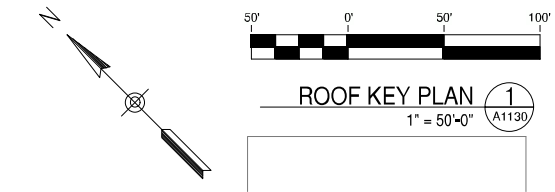
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GENERAL NOTES

KEY NOTES



ROOF KEY PLAN 1  
1" = 50'-0" A1130

REV	DATE	BY	CHK	APP	DESCRIPTION
	06/30/11				15% RECORD SET

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**D. BACKMAN**

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**J. ANDERSON**

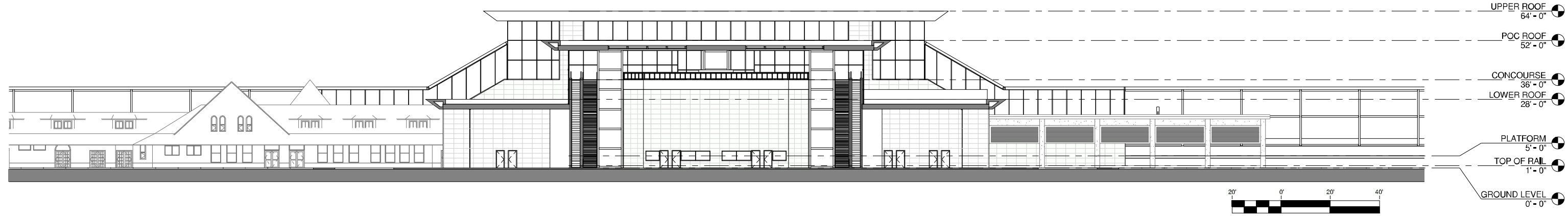
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**E. NAOR**

DATE  
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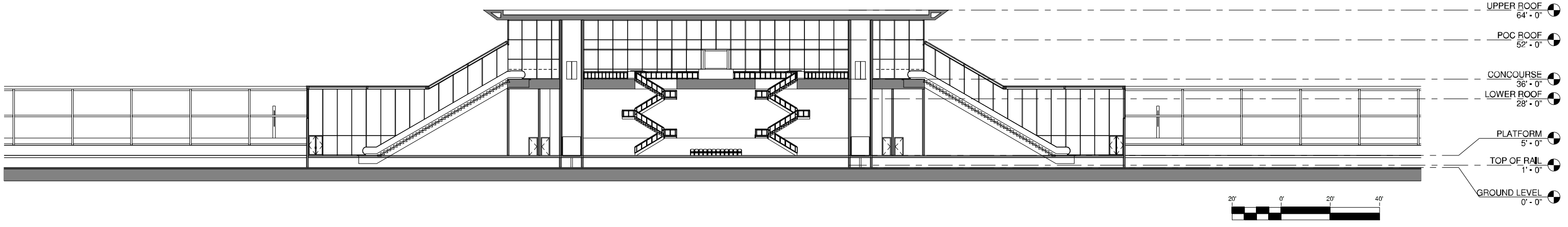


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**ROOF KEY PLAN**

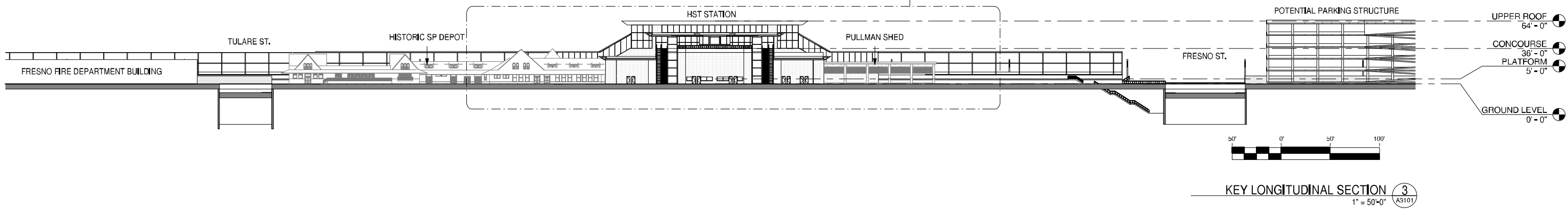
CONTRACT NO.	
DRAWING NO.	A1130
SCALE	1" = 50'-0"
SHEET NO.	



LONGITUDINAL SECTION @ EAST ENTRY **1**  
1" = 20'-0" A3101



LONGITUDINAL SECTION @ PLATFORM ACCESS **2**  
1" = 20'-0" A3101



KEY LONGITUDINAL SECTION **3**  
1" = 50'-0" A3101

GENERAL NOTES

KEY NOTES

REV	DATE	BY	CHK	APP	DESCRIPTION
	06/30/11				15% RECORD SET

DESIGNED BY  
**D. BACKMAN**  
DRAWN BY  
**D. BACKMAN**  
CHECKED BY  
**J. ANDERSON**  
IN CHARGE  
**E. NAOR**  
DATE  
06/30/11



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
FRESNO SEGMENT  
ALIGNMENT F1  
FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**BUILDING SECTIONS**

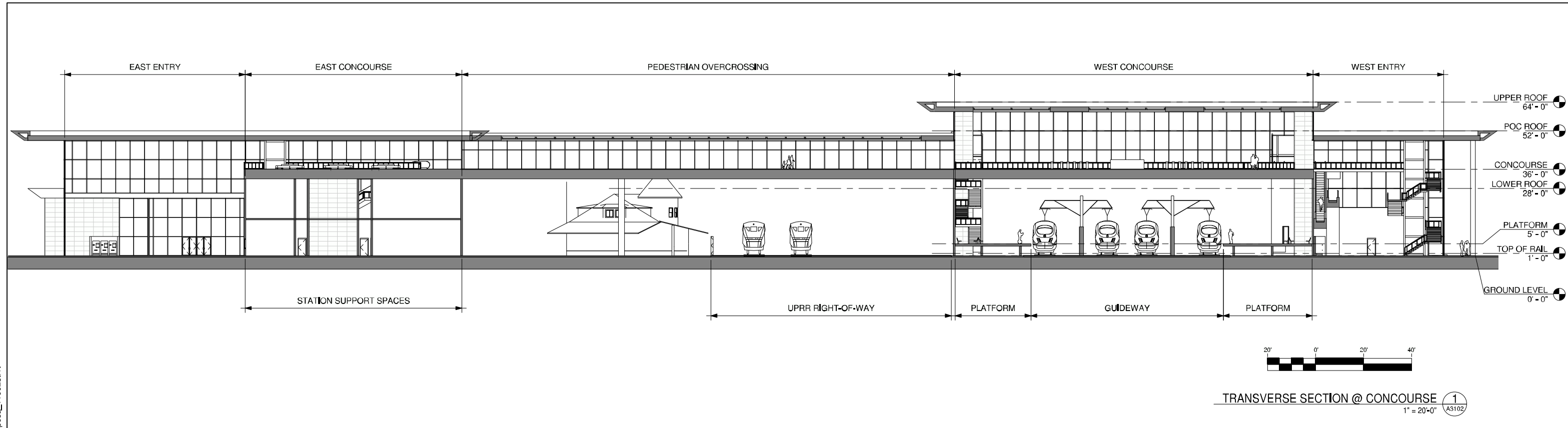
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SCALE	As indicated
SHEET NO.	

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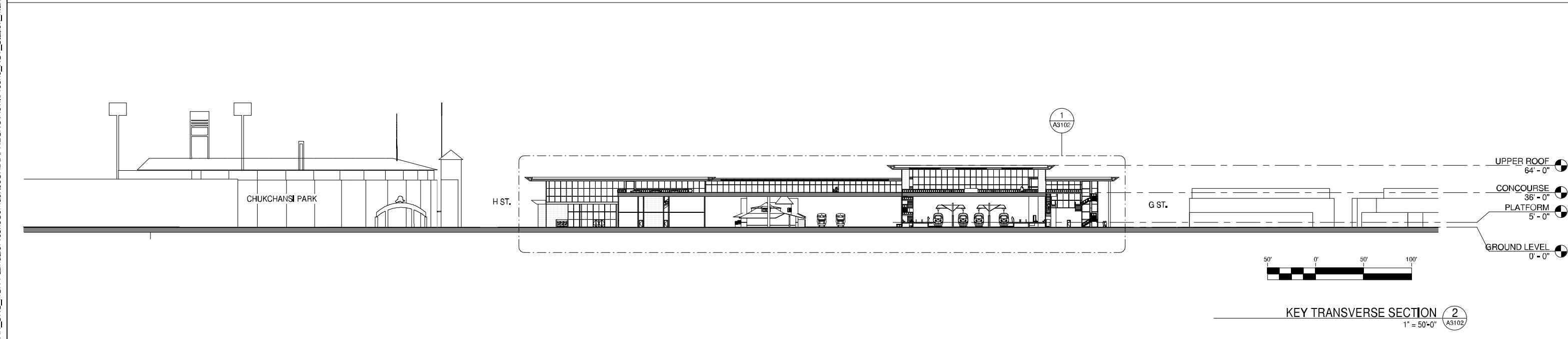
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TRANSVERSE SECTION @ CONCOURSE 1  
1" = 20'-0" A3102



KEY TRANSVERSE SECTION 2  
1" = 50'-0" A3102

**GENERAL NOTES**

**KEY NOTES**

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DATE  
**06/30/11**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
FRESNO SEGMENT  
ALIGNMENT F1  
FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**BUILDING SECTIONS**

CONTRACT NO.	
DRAWING NO.	A3102
SCALE	As indicated
SHEET NO.	

**ROOM SCHEDULE**

NO.	ROOM NAME	AREA	REQUIRED AREA	FORMULA	TM 2.2.2	COMMENTS
1	EAST ENTRY	13191 SF	11115 SF	P15x30sf/person	6.2.3.2	
2	FUTURE CONCESSION	2115 SF		TBD	6.2.3.6	
3	FUTURE CONCESSION	2116 SF		TBD	6.2.3.6	
4	JANITOR & STORAGE	396 SF	110 SF	110 SF x 3	6.2.6.2.16	
5	POLICE OFFICE	248 SF	160 SF	160 SF	6.2.6.2.8	
6	SECURITY OFFICE	219 SF	160 SF	160 SF	6.2.6.2.7	
7	PASSENGER SERVICES OFFICE	331 SF	160 SF	160 SF	6.2.6.1.3	
8	STATION AGENT OFFICE	360 SF	270 SF	270 SF	6.2.6.1.5	
9	TICKET SALES OFFICE	360 SF	143 SF	(((P60bx.15)/(1.5 x 60)) x 75) sqft	6.2.6.1.1	
10	TICKET ADMIN OFFICE	331 SF	160 SF	160 SF	6.2.6.2.6	
12	MEN'S RESTROOM	570 SF	371 SF	P15	6.2.3.5	
13	WOMEN'S RESTROOM	598 SF	371 SF	P15	6.2.3.5	
14	STAFF RESTROOMS & LOCKERS	532 SF		Local Codes	6.2.6.12/13	
15	STAFF RESTROOMS & LOCKERS	532 SF		Local Codes	6.2.6.12/13	
16	MECHANICAL	352 SF		TBD	6.4.6	
17	STATION ADMIN OFFICE	500 SF		((65sqft x staff with own workspace) + (43sqft x staff with shared workspace))x1.25	6.2.6.2.1	
18	TRANSIT AGENCY OFFICE	347 SF		Based on Demand	6.2.6.11	
19	FACILITY MAINTENANCE OFFICE	380 SF	325 SF	325 SF	6.2.6.2.9	
20	ELECTRICAL	352 SF		TBD	6.4.2	
21	TRAINING & MEETING ROOM	617 SF	500 SF	(20sqft x max staff per shift x 1.25)	6.2.6.2.2	
22	STAFF BREAK ROOM	479 SF	125 SF	(20sqft x .25 x max staff per shift x 1.25)	6.2.6.2.14	
23	LANDSCAPE	425 SF		TBD	6.2.6.2.18	
24	TRASH	436 SF	54 SF	54 SF	6.2.6.2.15	
25	OPERATIONS MAINTENANCE OFFICE	1178 SF	1080 SF	1080 SF	6.2.6.2.10	
26	STATION CONTROL & COMMUNICATION	1178 SF	1080 SF	1080 SF	6.2.6.2.3	
27	STATION COMPUTER ROOM	877 SF	525 SF	525 SF	6.2.6.2.4	
28	JANITOR	130 SF	110 SF	110 SF	6.2.6.2.16	
29	FUTURE ELEVATOR MACHINE ROOM	79 SF		TBD	6.2.5.2.4	
30	ELEVATOR MACHINE ROOM	79 SF		TBD	6.2.5.2.4	
31	STORAGE	130 SF	130 SF	130 SF	6.2.6.2.17	
32	JANITOR	166 SF	110 SF	110 SF	6.2.6.2.16	
33	FUTURE ELEV. MACH. ROOM	112 SF		TBD	6.2.5.2.4	
34	ELEV. MACH. ROOM	112 SF		TBD	6.2.5.2.4	
35	STORAGE	166 SF	130 SF	130 SF	6.2.6.2.17	
36	TRASH	343 SF	54 SF	54 SF	6.2.6.2.15	
37	LANDSCAPE	343 SF		TBD	6.2.6.2.18	
38	SIGNALING	372 SF		TBD	6.4.7	
39	TELECOM	372 SF		TBD	6.4.7	
40	STORAGE	258 SF	130 SF	130 SF	6.2.6.2.17	
41	JANITOR	258 SF	110 SF	110 SF	6.2.6.2.16	
42	WEST ENTRY	5295 SF	11115 SF	P15x30sf/person	6.2.3.2	
43	FIRE PROTECTION	524 SF		TBD	6.4.4	
44	ELECTRICAL	507 SF		TBD	6.4.2	
45	PLUMBING	495 SF		TBD	6.4.3	
46	MECHANICAL	479 SF		TBD	6.4.6	
47	EAST CONCOURSE	10466 SF	11117 SF	P15x30sqft	6.2.4.1	
48	PEDESTRIAN OVERCROSSING	6351 SF		TBD	6.2.4.1	
49	WEST CONCOURSE	11266 SF	11117 SF	P15x30sqft	6.2.4.1	
50	WAITING AREA	7342 SF	5187 SF	P15x14sqft or P6max x 10sqft or P6max x 10sqft	6.2.4.2	
51	WAITING AREA	7342 SF	5187 SF	P15x14sqft or P6max x 10sqft or P6max x 10sqft	6.2.4.2	

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	06/30/11				15% RECORD SET

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DRAWN BY D. BACKMAN
CHECKED BY J. ANDERSON
IN CHARGE E. NAOR
DATE 06/30/11



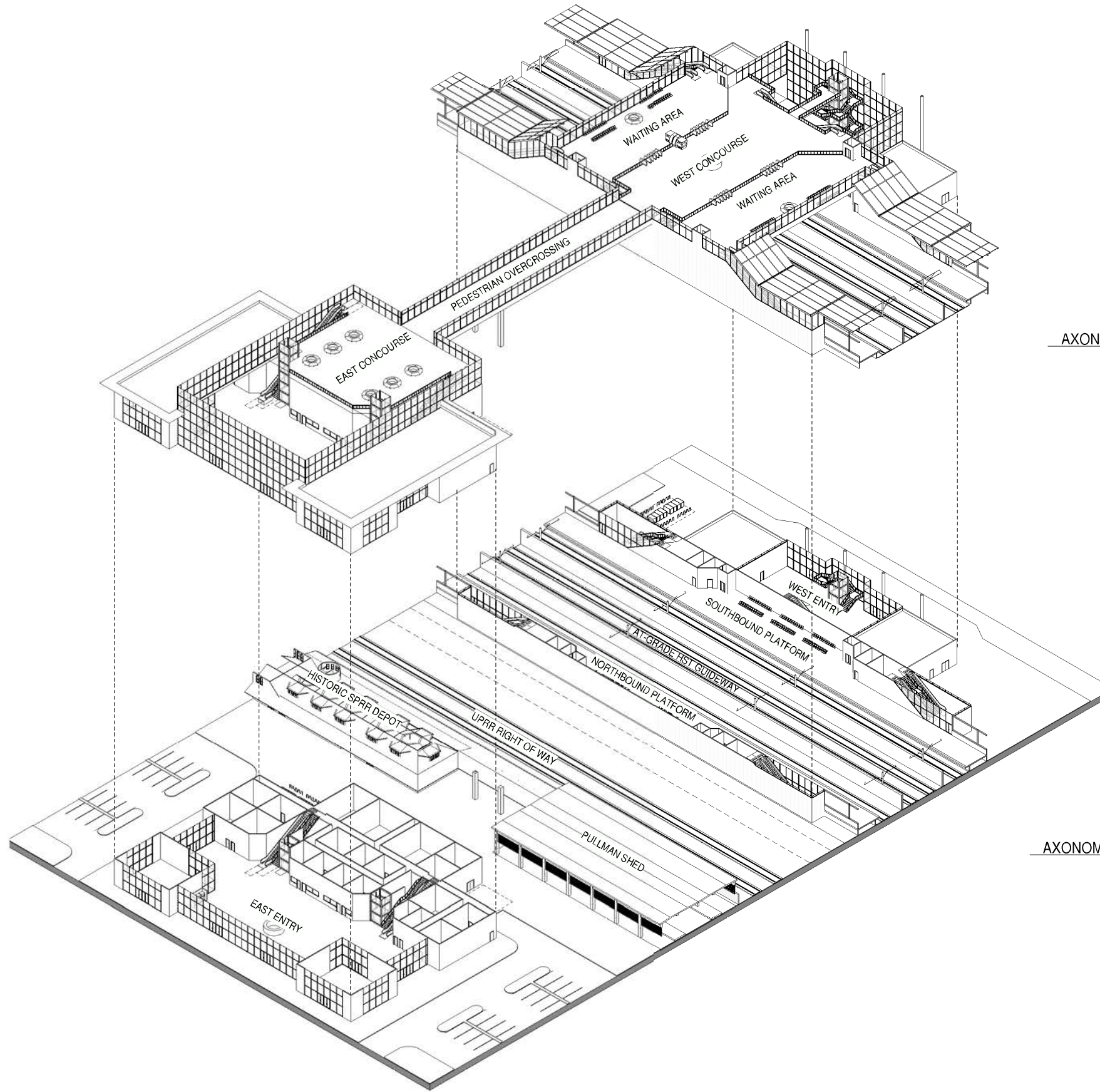
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**ROOM SCHEDULE**

CONTRACT NO.	
DRAWING NO.	A6101
SCALE	
SHEET NO.	



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AXONOMETRIC VIEW - CONCOURSE 2  
A9101

AXONOMETRIC VIEW - GROUND LEVEL 1  
A9101

0	06/30/11				15% RECORD SET
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**D. BACKMAN**  
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**E. NAOR**  
DATE  
06/30/11

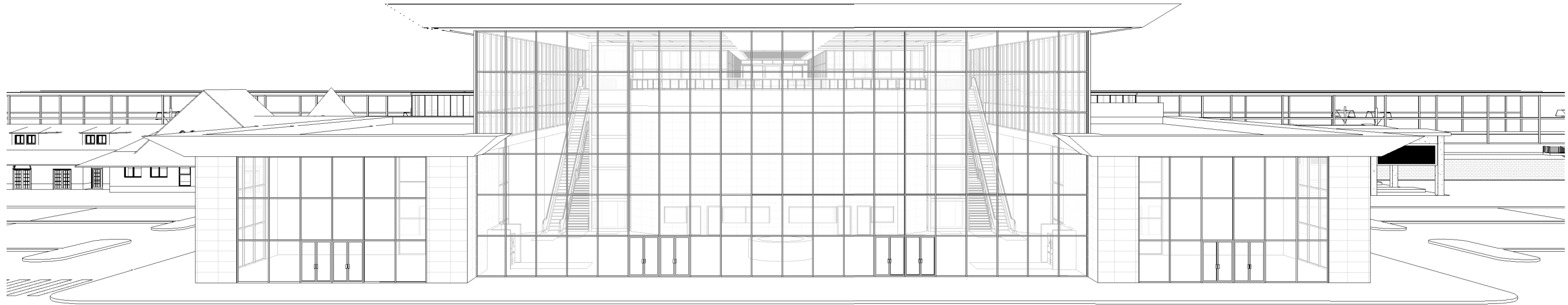


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
FRESNO SEGMENT  
ALIGNMENT F1  
FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**AXONOMETRIC VIEWS**

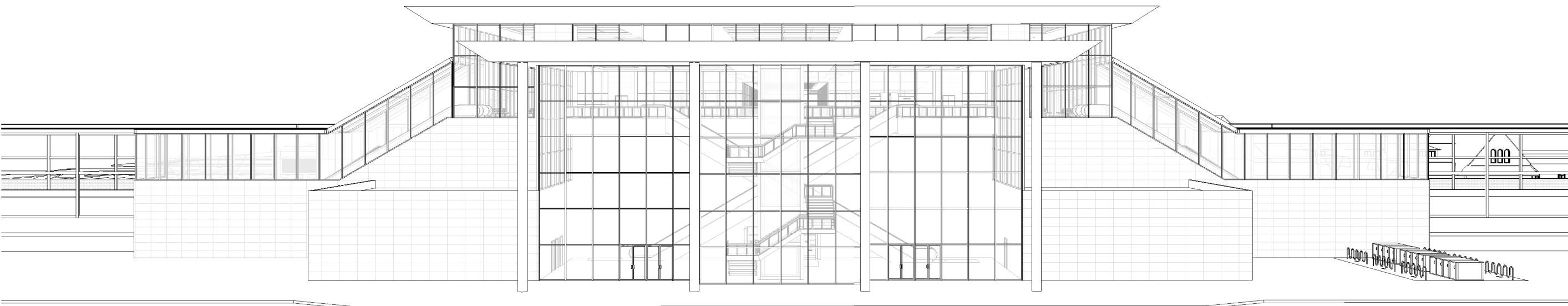
CONTRACT NO.	
DRAWING NO.	A9101
SCALE	
SHEET NO.	

GENERAL NOTES

KEY NOTES



3D VIEW OF EAST ELEVATION 1  
A9102



3D VIEW OF WEST ELEVATION 2  
A9102

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**E. NAOR**

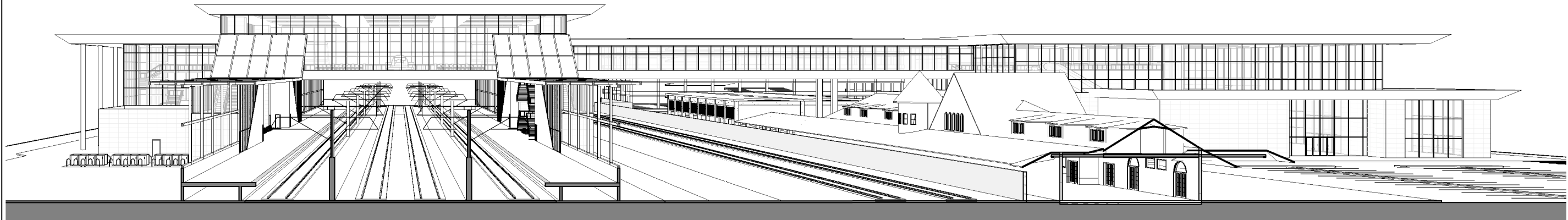
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**3D ELEVATION VIEWS**

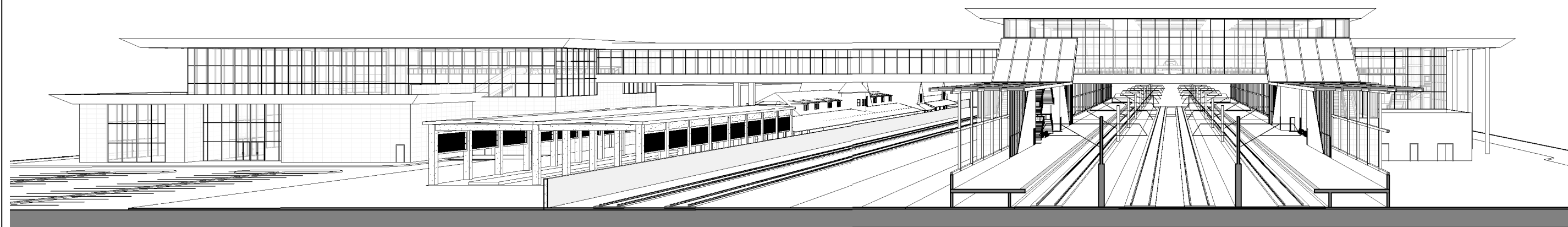
CONTRACT NO.	
DRAWING NO.	A9102
SCALE	
SHEET NO.	

GENERAL NOTES



3D VIEW OF SOUTH ELEVATION ①  
A9103

KEY NOTES



3D VIEW OF NORTH ELEVATION ②  
A9103

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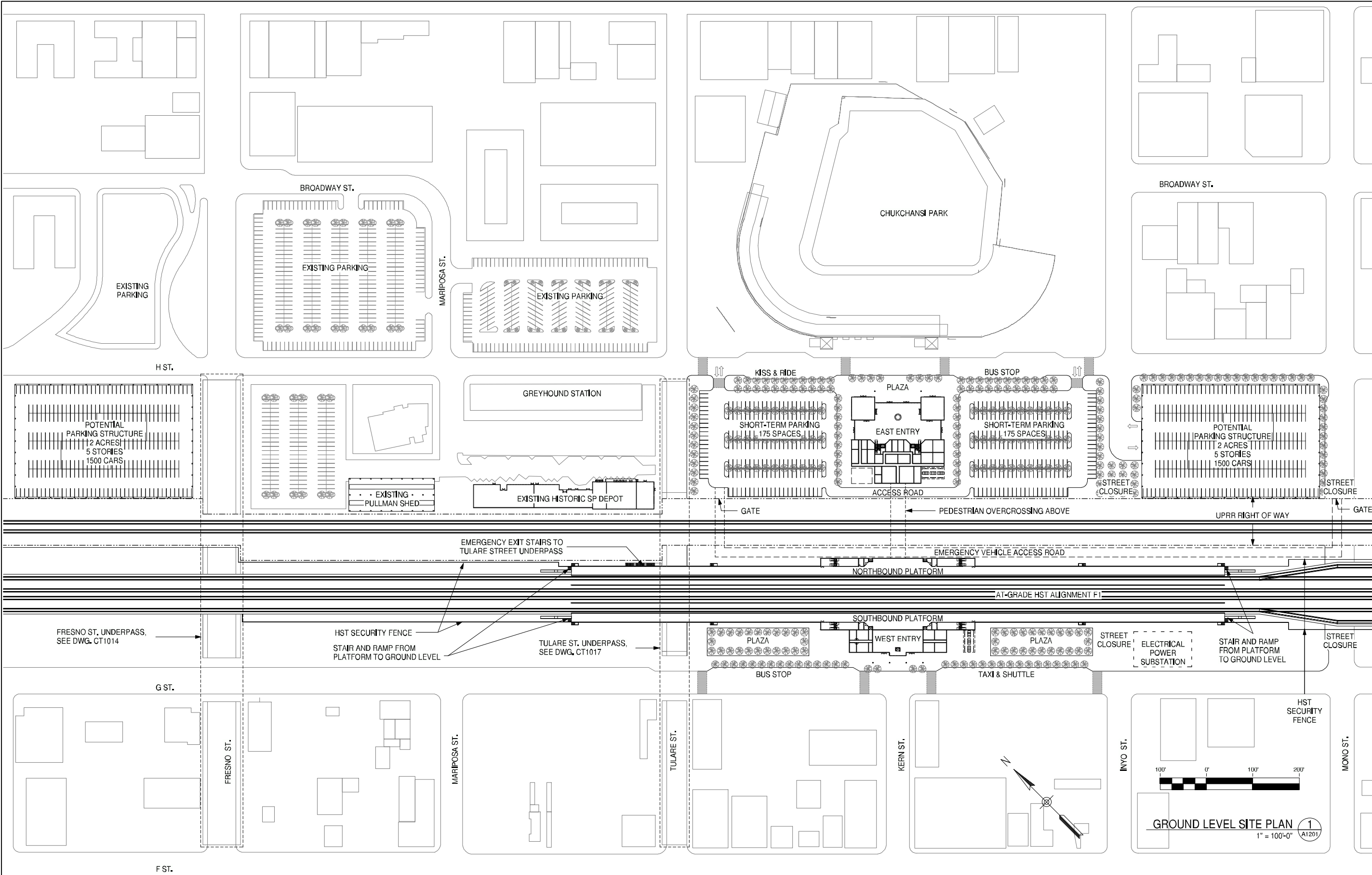


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - MARIPOSA OPTION  
**3D ELEVATION VIEWS**

CONTRACT NO.	
DRAWING NO.	A9103
SCALE	
SHEET NO.	



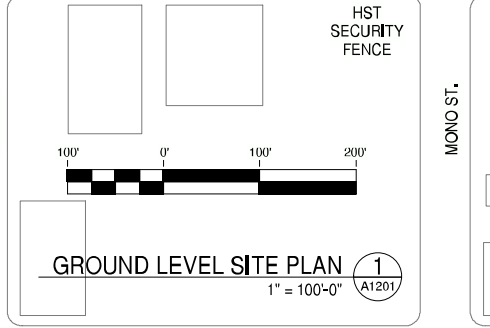
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**GENERAL NOTES**

STATION SITE = 13 ACRES  
(INCLUDES STATION BUILDING,  
BUS TRANSIT CENTER, SHORT-  
TERM PARKING AND KISS & RIDE)  
  
POTENTIAL PARKING = 5.5 ACRES  
(3 PARKING STRUCTURES)  
  
TOTAL = 18.5 ACRES

**KEY NOTES**



REV	DATE	BY	CHK	APP	DESCRIPTION
	06/30/11				15% RECORD SET

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**D. BACKMAN**  
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**D. BACKMAN**  
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**J. ANDERSON**  
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**E. NAOR**  
DATE  
**06/30/11**

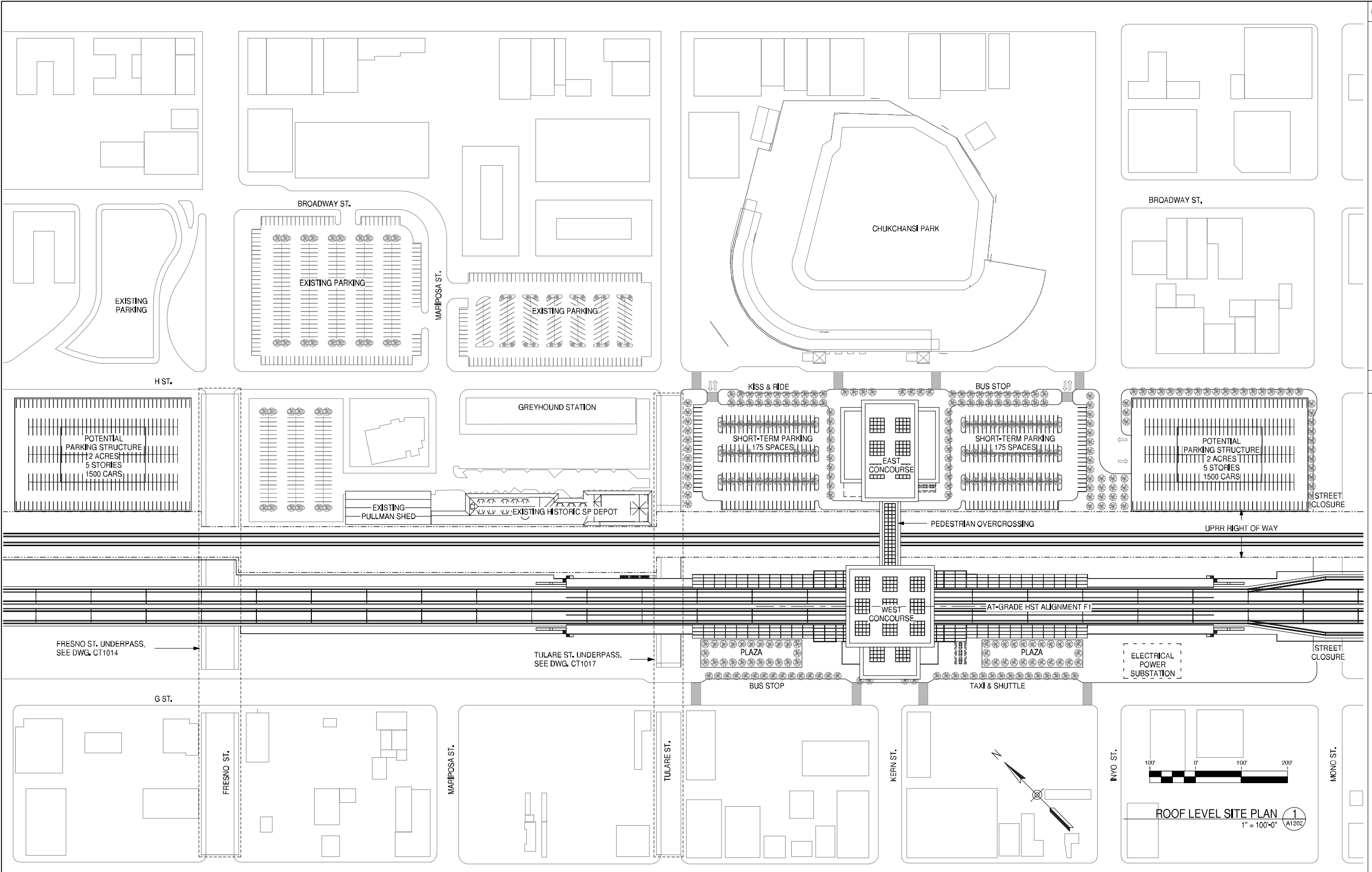


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
FRESNO SEGMENT  
ALIGNMENT F1  
FRESNO HIGH SPEED TRAIN STATION - KERN OPTION  
**GROUND LEVEL SITE PLAN**

CONTRACT NO.	
DRAWING NO.	A1201
SCALE	1" = 100'-0"
SHEET NO.	

GENERAL NOTES

KEY NOTES



REV	DATE	BY	CHK	APP	DESCRIPTION
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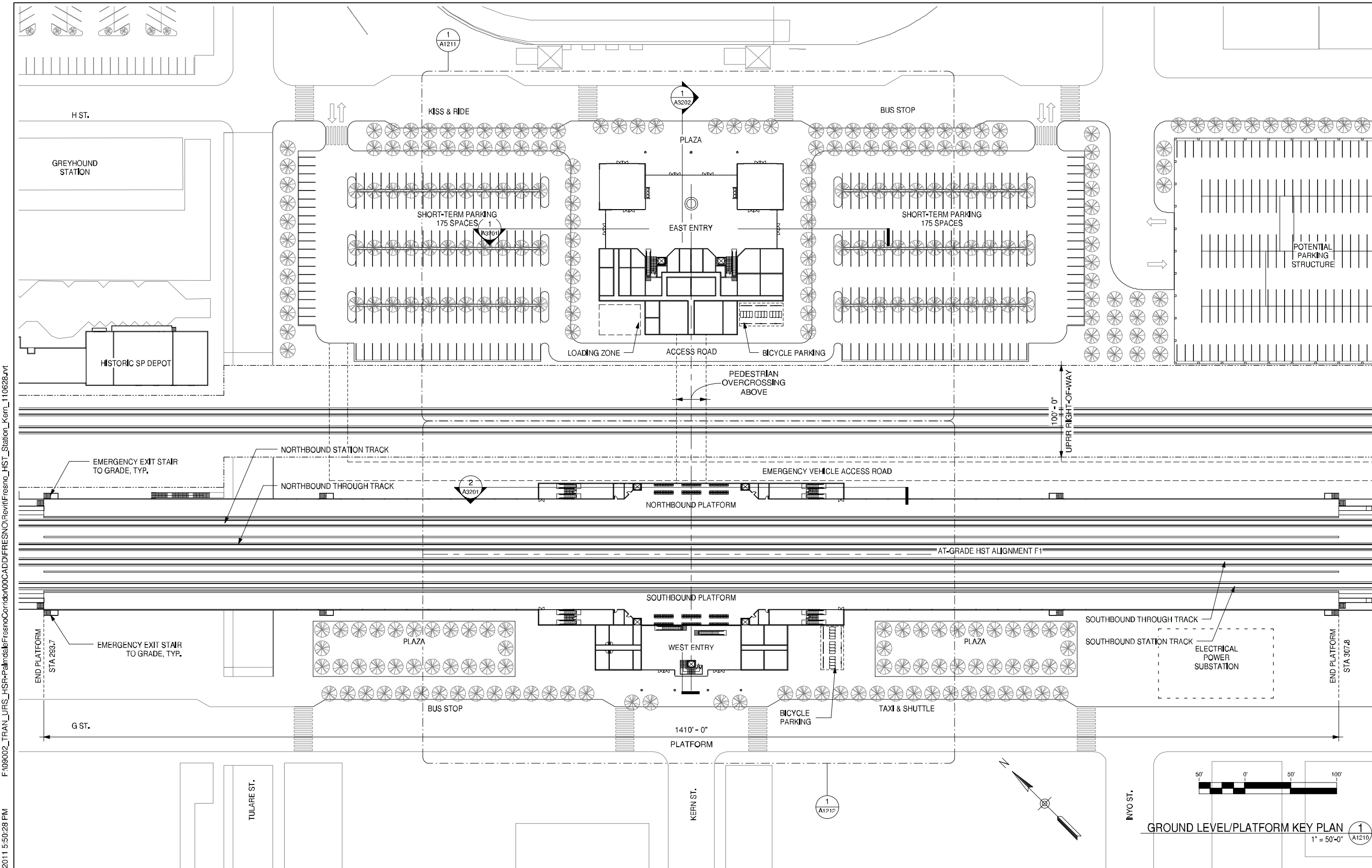
DESIGNED BY  
**D. BACKMAN**  
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**D. BACKMAN**  
CHECKED BY  
**J. ANDERSON**  
IN CHARGE  
**E. NAOR**  
DATE  
**06/30/11**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
FRESNO SEGMENT  
ALIGNMENT F1  
FRESNO HIGH SPEED TRAIN STATION - KERN OPTION  
**ROOF LEVEL SITE PLAN**

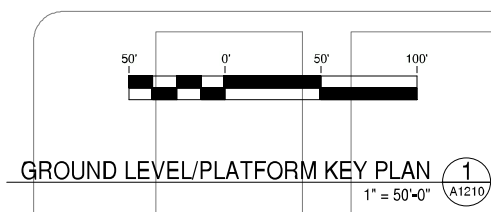
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SCALE **1" = 100'-0"**  
SHEET NO.

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GENERAL NOTES

KEY NOTES



GROUND LEVEL/PLATFORM KEY PLAN 1  
1" = 50'-0" A1210

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DATE <b>06/30/11</b>



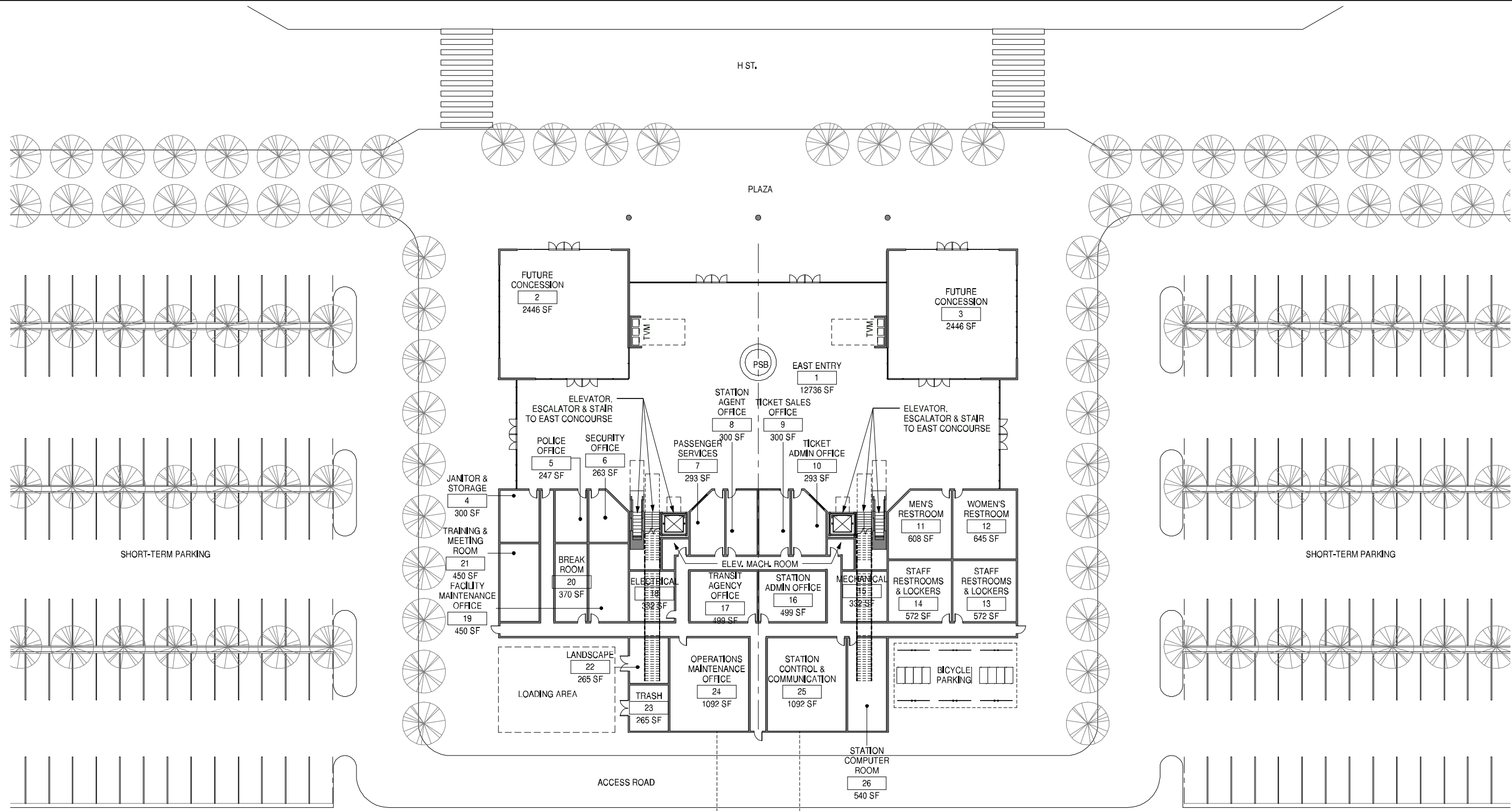
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**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - KERN OPTION  
**GROUND LEVEL/PLATFORM KEY PLAN**

CONTRACT NO.	
DRAWING NO.	A1210
SCALE	1" = 50'-0"
SHEET NO.	



GENERAL NOTES

KEY NOTES



BOUNDARY OF UPRR RIGHT-OF-WAY  
NORTHBOUND UPRR TRACK

PEDESTRIAN OVERCROSSING ABOVE



EAST ENTRY FLOOR PLAN 1  
1" = 20'-0" A1211

MATCHLINE

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	06/30/11				15% RECORD SET

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**J. ANDERSON**  
IN CHARGE  
**E. NAOR**  
DATE  
06/30/11



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
FRESNO SEGMENT  
ALIGNMENT F1  
FRESNO HIGH SPEED TRAIN STATION - KERN OPTION  
**EAST ENTRY FLOOR PLAN**

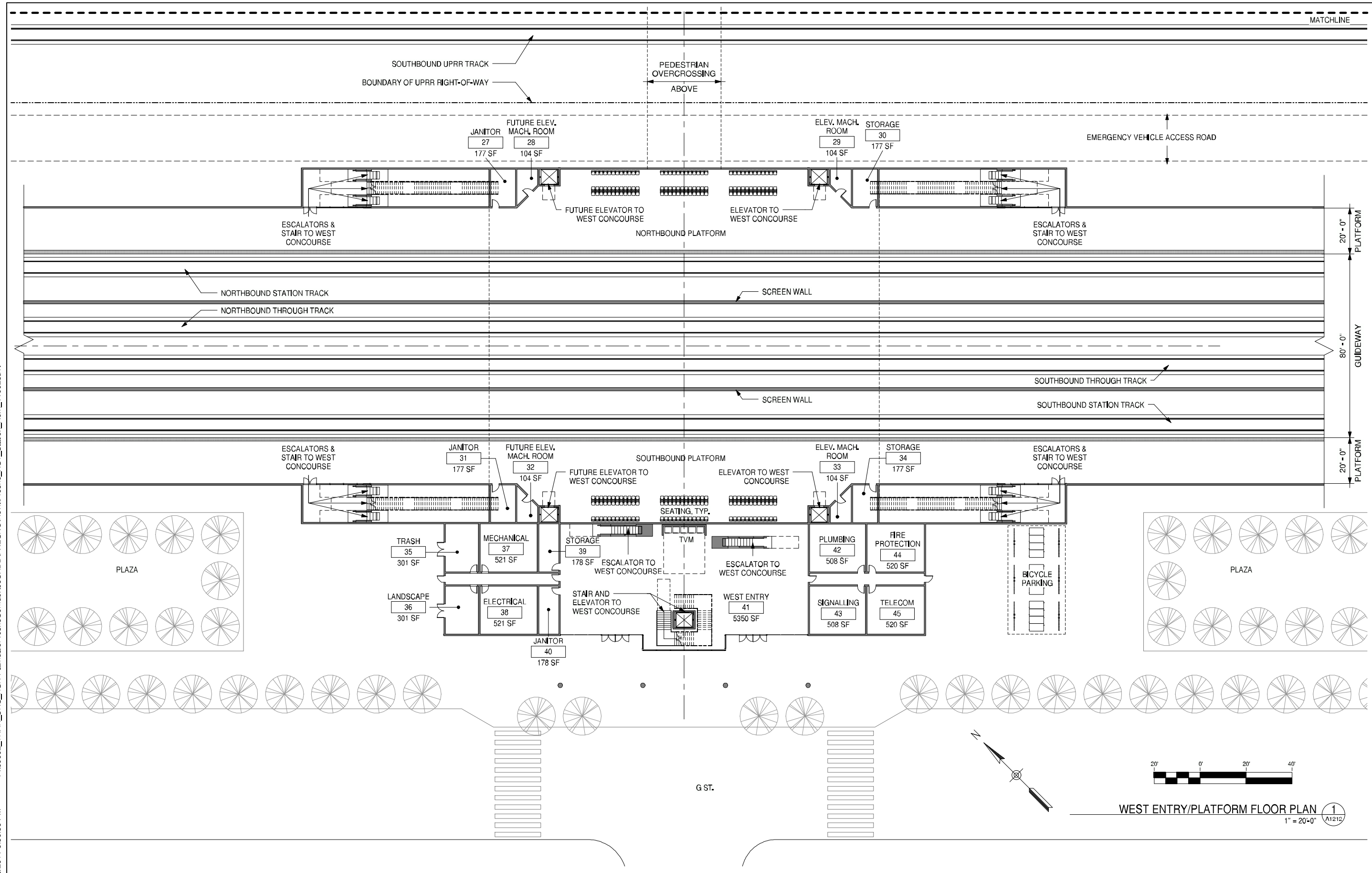
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DRAWING NO.	A1211
SCALE	1" = 20'-0"
SHEET NO.	

GENERAL NOTES

KEY NOTES

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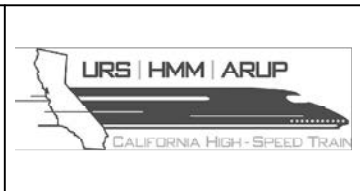
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WEST ENTRY/PLATFORM FLOOR PLAN 1  
1" = 20'-0" (A1212)

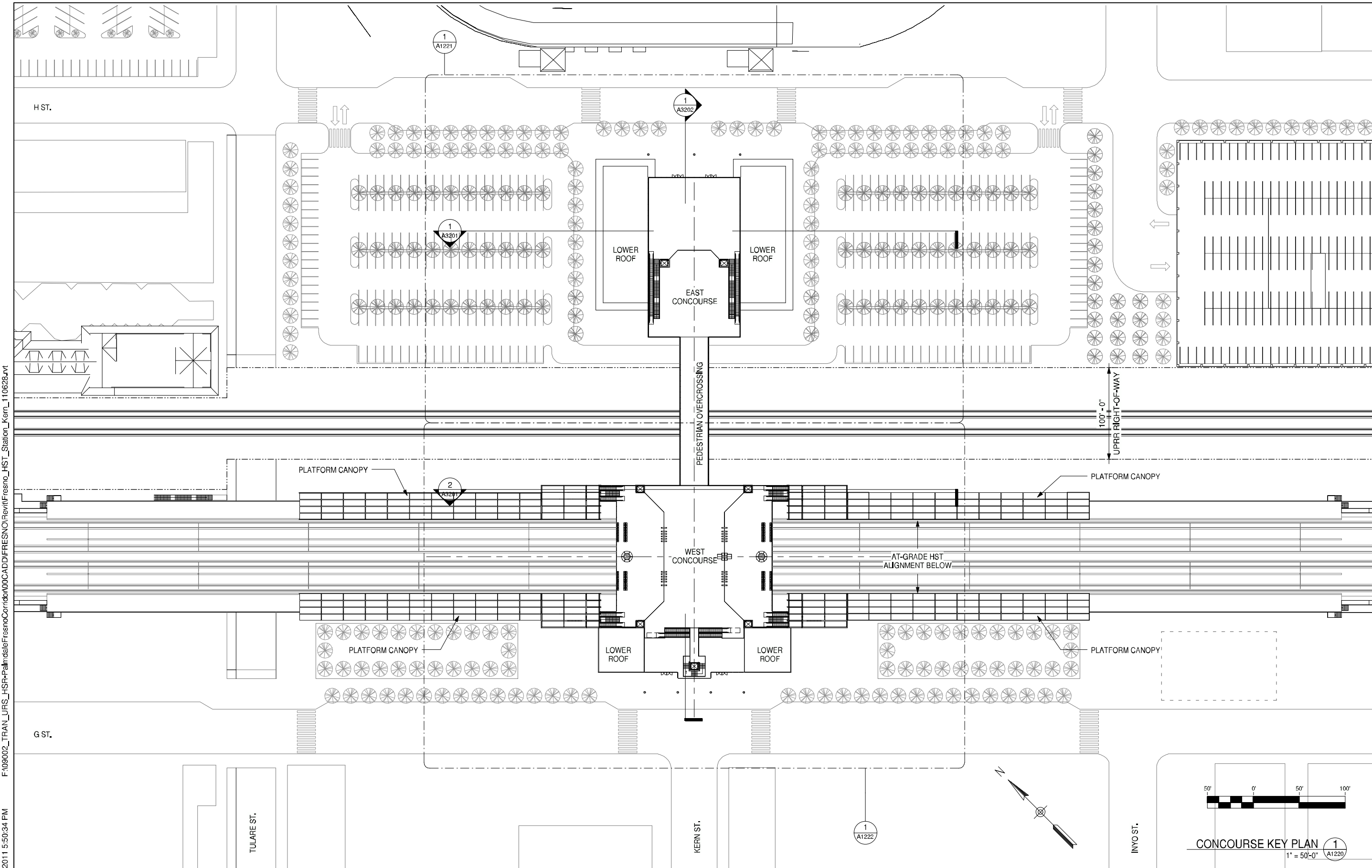
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	06/30/11				15% RECORD SET

DESIGNED BY <b>D. BACKMAN</b>
DRAWN BY <b>D. BACKMAN</b>
CHECKED BY <b>J. ANDERSON</b>
IN CHARGE <b>E. NAOR</b>
DATE <b>06/30/11</b>



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - KERN OPTION  
**WEST ENTRY/PLATFORM FLOOR PLAN**

CONTRACT NO.	
DRAWING NO.	A1212
SCALE	1" = 20'-0"
SHEET NO.	



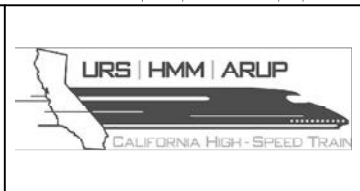
GENERAL NOTES

KEY NOTES

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DRAWN BY <b>D. BACKMAN</b>				
CHECKED BY <b>J. ANDERSON</b>				
IN CHARGE <b>E. NAOR</b>				
DATE <b>06/30/11</b>				
REV	DATE	BY	CHK	APP
	06/30/11			

DESIGNED BY  
**D. BACKMAN**  
 DRAWN BY  
**D. BACKMAN**  
 CHECKED BY  
**J. ANDERSON**  
 IN CHARGE  
**E. NAOR**  
 DATE  
**06/30/11**

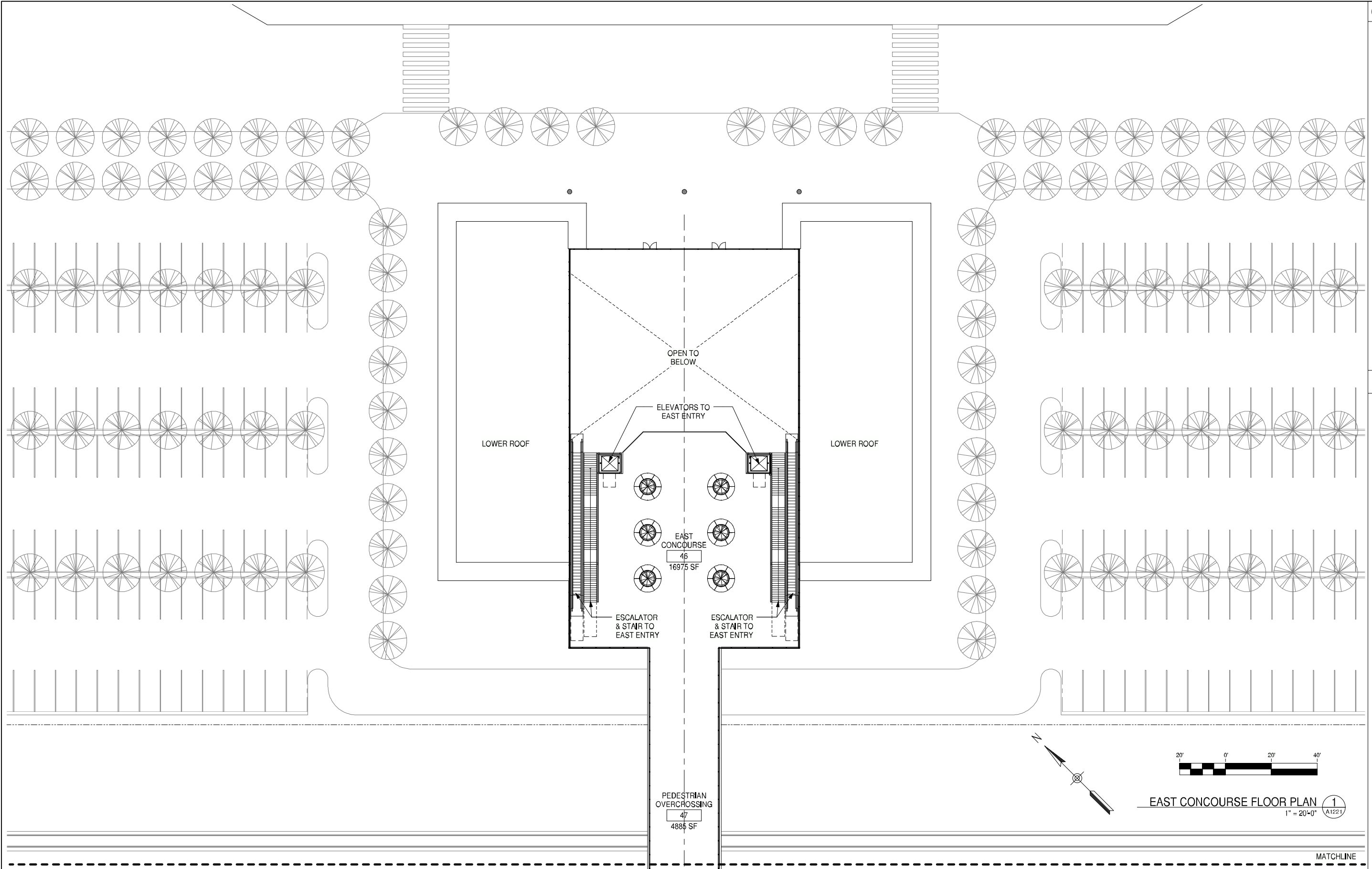


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
**FRESNO HIGH SPEED TRAIN STATION - KERN OPTION**  
**CONCOURSE KEY PLAN**

CONTRACT NO.	
DRAWING NO.	A1220
SCALE	1" = 50'-0"
SHEET NO.	1

GENERAL NOTES

KEY NOTES



EAST CONCOURSE FLOOR PLAN 1  
1" = 20'-0" A1221

MATCHLINE

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	06/30/11				15% RECORD SET

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DRAWN BY <b>D. BACKMAN</b>
CHECKED BY <b>J. ANDERSON</b>
IN CHARGE <b>E. NAOR</b>
DATE <b>06/30/11</b>



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - KERN OPTION  
**EAST CONCOURSE FLOOR PLAN**

CONTRACT NO.	
DRAWING NO.	A1221
SCALE	1" = 20'-0"
SHEET NO.	

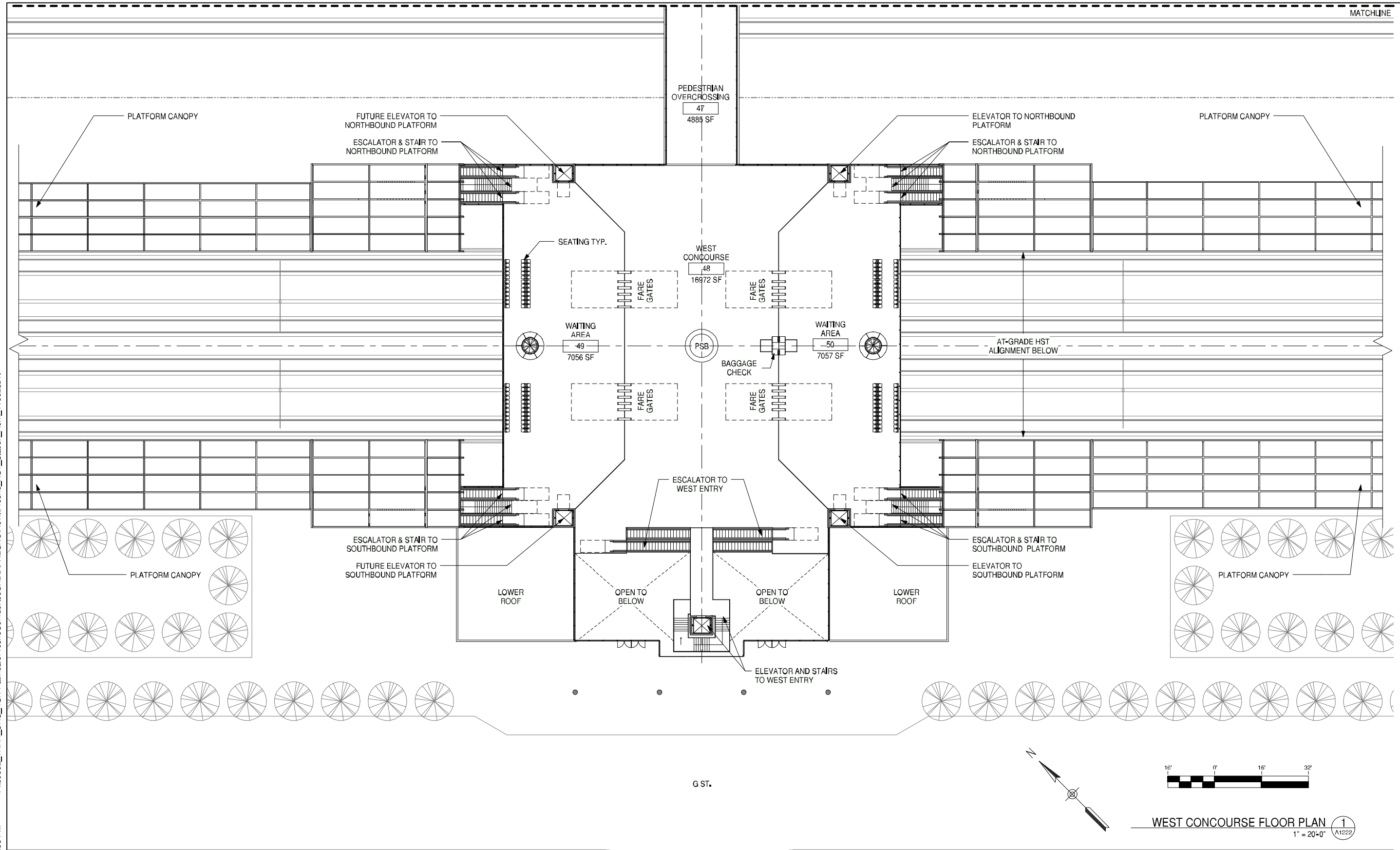


MATCHLINE

GENERAL NOTES

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6/29/2011 5:50:38 PM



KEY NOTES

WEST CONCOURSE FLOOR PLAN 1  
1" = 20'-0" (A1222)

REV	DATE	BY	CHK	APP	DESCRIPTION
	06/30/11				15% RECORD SET

DESIGNED BY  
**D. BACKMAN**

DRAWN BY  
**D. BACKMAN**

CHECKED BY  
**J. ANDERSON**

IN CHARGE  
**E. NAOR**

DATE  
06/30/11

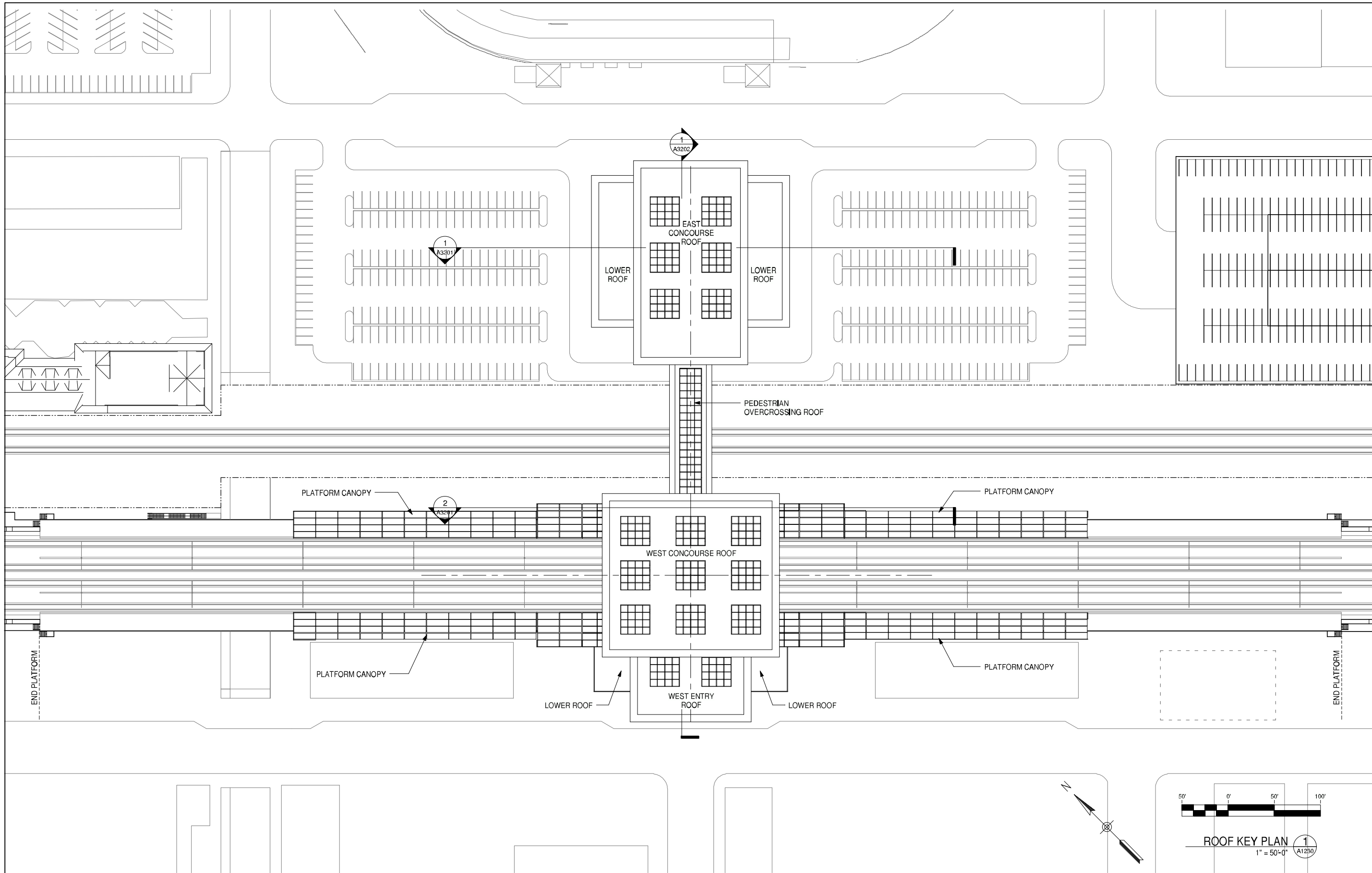


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - KERN OPTION  
**WEST CONCOURSE FLOOR PLAN**

CONTRACT NO.	
DRAWING NO.	A1222
SCALE	1" = 20'-0"
SHEET NO.	

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GENERAL NOTES

KEY NOTES

REV	DATE	BY	CHK	APP	DESCRIPTION
	06/30/11				15% RECORD SET

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**D. BACKMAN**

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**J. ANDERSON**

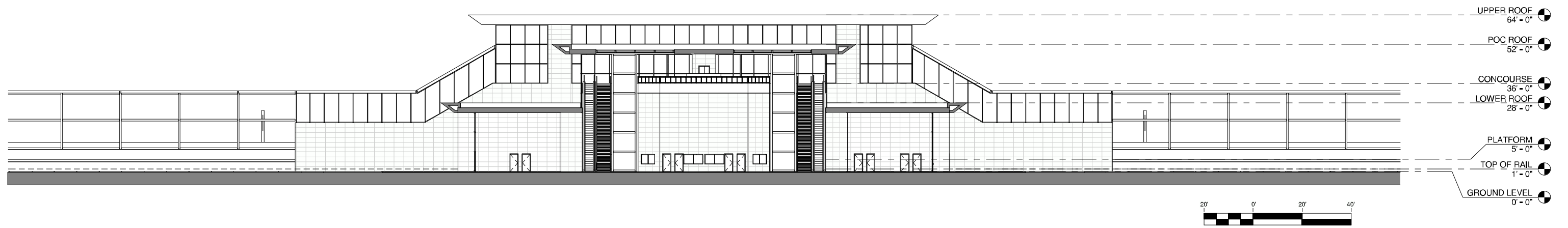
IN CHARGE  
**E. NAOR**

DATE  
06/30/11

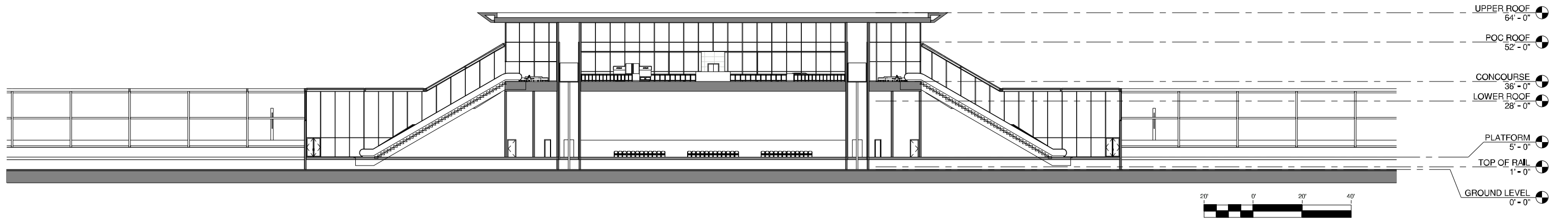


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - KERN OPTION  
**ROOF KEY PLAN**

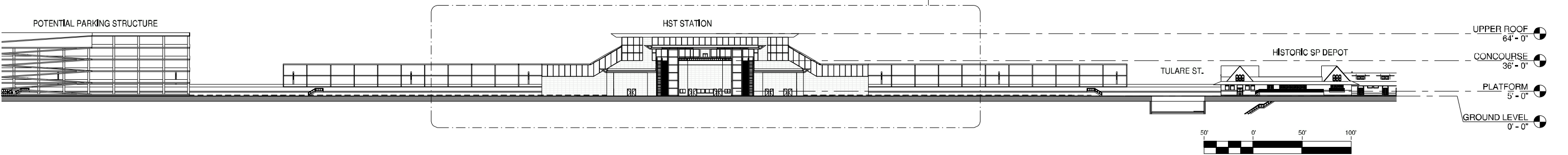
CONTRACT NO.	
DRAWING NO.	A1230
SCALE	1" = 50'-0"
SHEET NO.	



LONGITUDINAL SECTION @ EAST ENTRY 1  
1" = 20'-0" A3201



LONGITUDINAL SECTION @ PLATFORM ACCESS 2  
1" = 20'-0" A3201



KEY LONGITUDINAL SECTION 3  
1" = 50'-0" A3201

GENERAL NOTES

KEY NOTES

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
FRESNO SEGMENT  
ALIGNMENT F1  
FRESNO HIGH SPEED TRAIN STATION - KERN OPTION  
**BUILDING SECTIONS**

CONTRACT NO.  
DRAWING NO. A3201  
SCALE As indicated  
SHEET NO.

REV	DATE	BY	CHK	APP	DESCRIPTION
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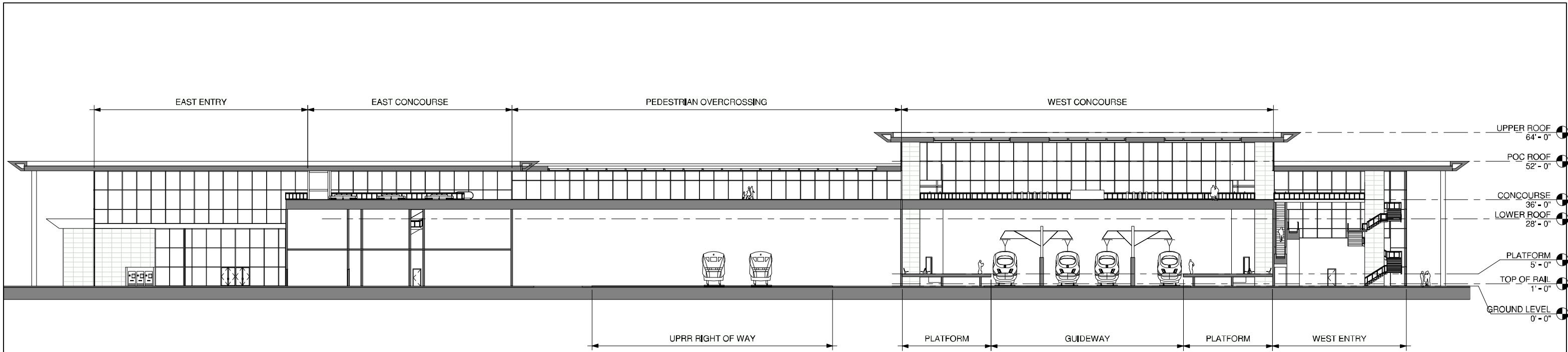
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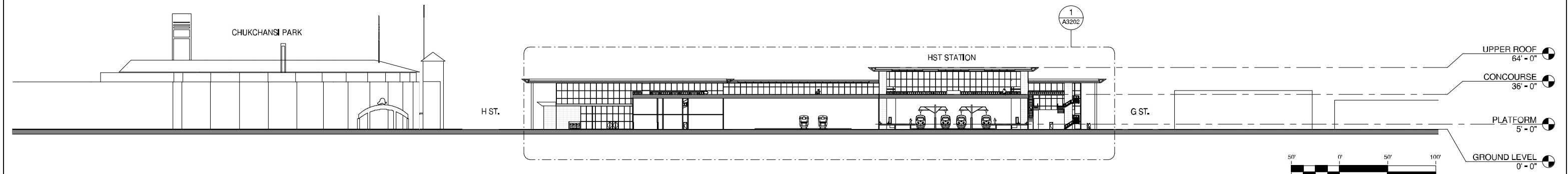


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TRANSVERSE SECTION @ CONCOURSE 1  
1" = 20'-0" A3202



KEY TRANSVERSE SECTION 2  
1" = 50'-0" A3202

GENERAL NOTES

KEY NOTES

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
FRESNO SEGMENT  
ALIGNMENT F1  
FRESNO HIGH SPEED TRAIN STATION - KERN OPTION  
**BUILDING SECTIONS**

CONTRACT NO.	
DRAWING NO.	A3202
SCALE	As indicated
SHEET NO.	

# ROOM SCHEDULE

NO.	ROOM NAME	AREA	REQUIRED AREA	FORMULA	TM 2.2.2	COMMENTS
1	EAST ENTRY	12736 SF	11115 SF	P15x30sf/person	6.2.3.2	
2	FUTURE CONCESSION	2446 SF		Not specified in Technical Memorandum 2.2.2	6.2.3.6	
3	FUTURE CONCESSION	2446 SF		Not specified in Technical Memorandum 2.2.2	6.2.3.6	
4	JANITOR & STORAGE	300 SF	110 SF	110 SF x 3	6.2.6.2.16	
5	POLICE OFFICE	247 SF	160 SF	160 SF	6.2.6.2.8	
6	SECURITY OFFICE	263 SF	160 SF	160 SF	6.2.6.2.7	
7	PASSENGER SERVICES	293 SF	160 SF	160 SF	6.2.6.1.3	
8	STATION AGENT OFFICE	300 SF	270 SF	270 SF	6.2.6.1.5	
9	TICKET SALES OFFICE	300 SF	143 SF	(((P60bx.15)/(1.5 x 60)) x 75) sqft	6.2.6.1.1	
10	TICKET ADMIN OFFICE	293 SF	160 SF	160 SF	6.2.6.2.6	
11	MEN'S RESTROOM	608 SF	371 SF	P15	6.2.3.5	
12	WOMEN'S RESTROOM	645 SF	371 SF	P15	6.2.3.5	
13	STAFF RESTROOMS & LOCKERS	572 SF		Local Codes	6.2.6.12/13	
14	STAFF RESTROOMS & LOCKERS	572 SF		Local Codes	6.2.6.12/13	
15	MECHANICAL	332 SF		TBD	6.4.6	
16	STATION ADMIN OFFICE	499 SF		((65sqft x staff with own workspace) + (43sqft x staff with shared workspace))x1.25	6.2.6.2.1	
17	TRANSIT AGENCY OFFICE	499 SF		Based on Demand	6.2.6.11	
18	ELECTRICAL	332 SF		TBD	6.4.2	
19	FACILITY MAINTENANCE OFFICE	450 SF	325 SF	325 SF	6.2.6.2.9	
20	BREAK ROOM	370 SF	125 SF	(20sqft x .25 x max staff per shift x 1.25)	6.2.6.2.14	
21	TRAINING & MEETING ROOM	450 SF	500 SF	(20sqft x max staff per shift x 1.25)	6.2.6.2.2	
22	LANDSCAPE	265 SF		TBD	6.2.6.2.18	
23	TRASH	265 SF	54 SF	54 SF	6.2.6.2.15	
24	OPERATIONS MAINTENANCE OFFICE	1092 SF	1080 SF	1080 SF	6.2.6.2.10	
25	STATION CONTROL & COMMUNICATION	1092 SF	1080 SF	1080 SF	6.2.6.2.3	
26	STATION COMPUTER ROOM	540 SF	525 SF	525.00 SF	6.2.6.2.4	
27	JANITOR	177 SF	110 SF	110 SF	6.2.6.2.16	
28	FUTURE ELEV. MACH. ROOM	104 SF		TBD	6.2.5.2.4	
29	ELEV. MACH. ROOM	104 SF		TBD	6.2.5.2.4	
30	STORAGE	177 SF	130 SF	130 SF	6.2.6.2.17	
31	JANITOR	177 SF	110 SF	110 SF	6.2.6.2.16	
32	FUTURE ELEV. MACH. ROOM	104 SF		TBD	6.2.5.2.4	
33	ELEV. MACH. ROOM	104 SF		TBD	6.2.5.2.4	
34	STORAGE	177 SF	130 SF	130 SF	6.2.6.2.17	
35	TRASH	301 SF	54 SF	54 SF	6.2.6.2.15	
36	LANDSCAPE	301 SF		TBD	6.2.6.2.18	
37	MECHANICAL	521 SF		TBD	6.4.6	
38	ELECTRICAL	521 SF		TBD	6.4.2	
39	STORAGE	178 SF		TBD	6.2.6.2.17	
40	JANITOR	178 SF	110 SF	110 SF	6.2.6.2.16	
41	WEST ENTRY	5350 SF	11115 SF	P15x30sf/person	6.2.3.2	
42	PLUMBING	508 SF		TBD	6.4.3	
43	SIGNALLING	508 SF		TBD	6.4.7	
44	FIRE PROTECTION	520 SF		TBD	6.4.4	
45	TELECOM	520 SF		TBD	6.4.7	
46	EAST CONCOURSE	16975 SF		TBD	6.2.3.2	
47	PEDESTRIAN OVERCROSSING	4885 SF		TBD	6.2.3.2	
48	WEST CONCOURSE	16972 SF	11117 SF	P15x30sqft	6.2.4.1	
49	WAITING AREA	7056 SF	5187 SF	P15x14sqft or P15x10sqft or P15x10sqft	6.2.4.2	
50	WAITING AREA	7057 SF	5187 SF	P15x14sqft or P15x10sqft or P15x10sqft	6.2.4.2	

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IN CHARGE E. NAOR
DATE 06/30/11

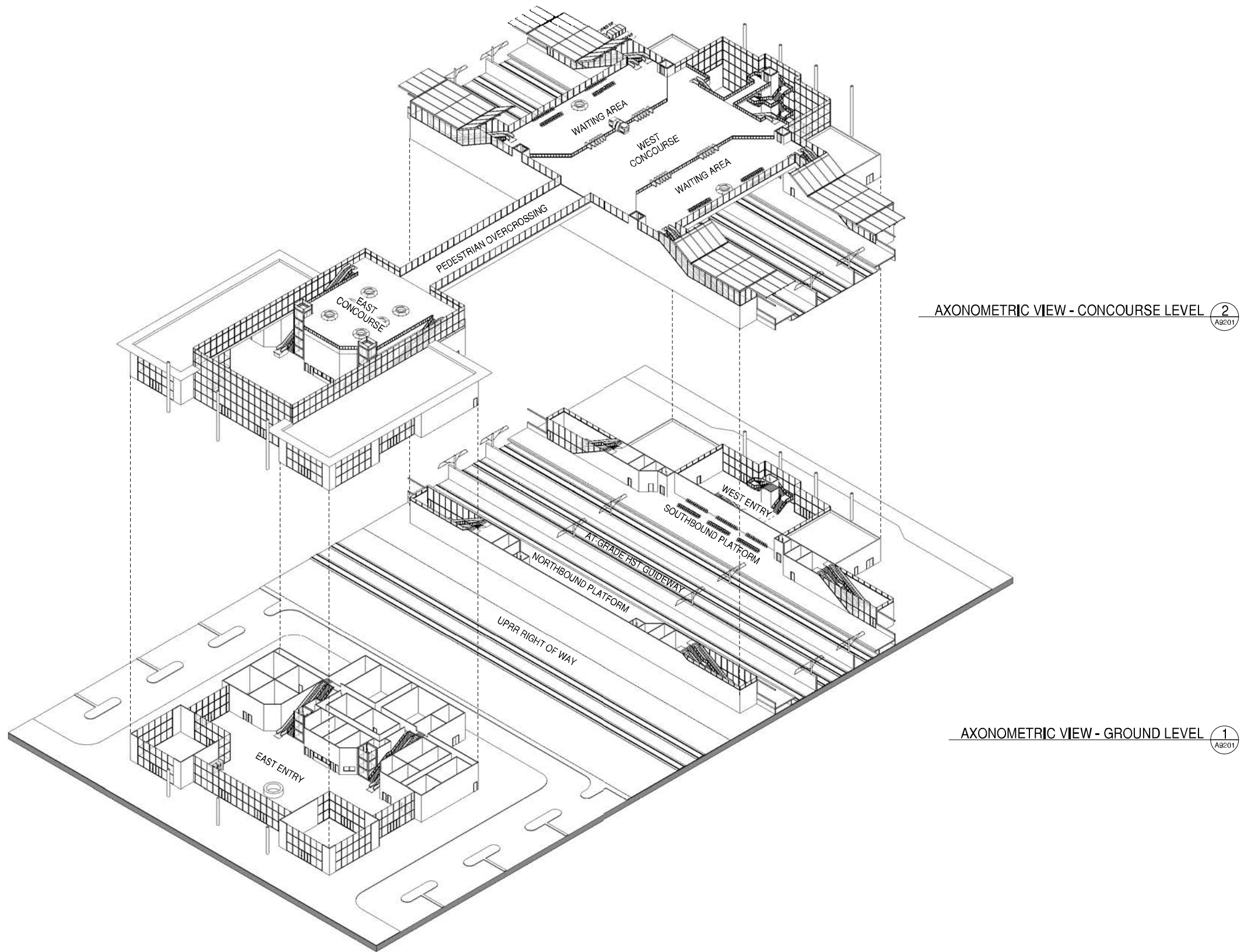


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - KERN OPTION  
**ROOM SCHEDULE**

CONTRACT NO.
DRAWING NO. A6201
SCALE
SHEET NO.

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AXONOMETRIC VIEW - CONCOURSE LEVEL 2  
A9201

AXONOMETRIC VIEW - GROUND LEVEL 1  
A9201

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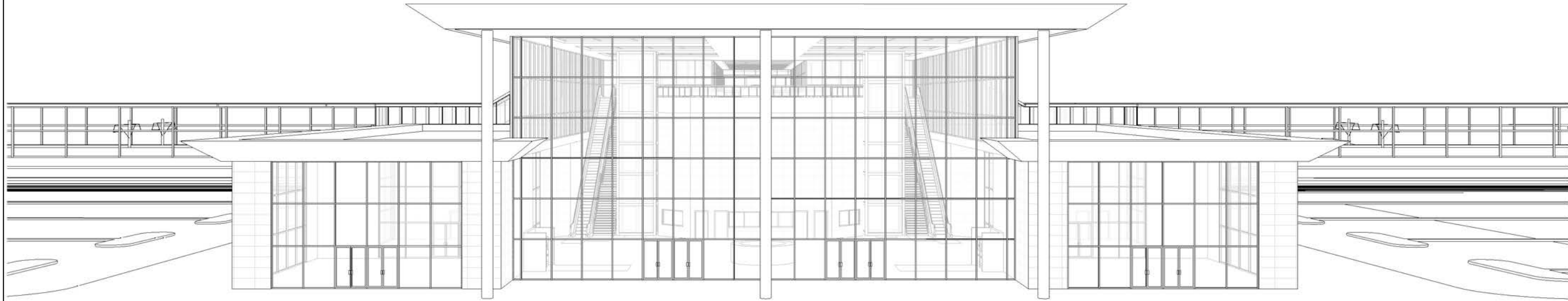


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
FRESNO SEGMENT  
ALIGNMENT F1  
FRESNO HIGH SPEED TRAIN STATION - KERN OPTION  
**AXONOMETRIC VIEWS**

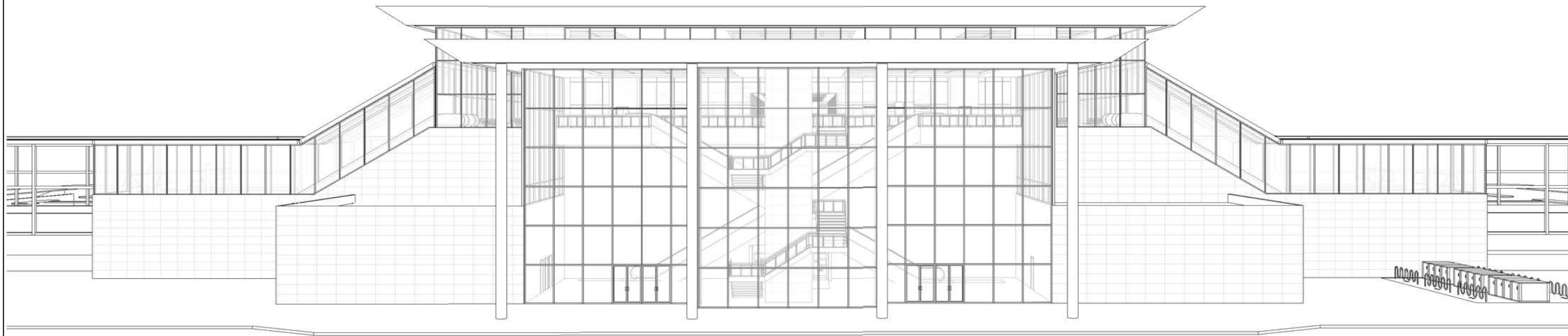
CONTRACT NO.	
DRAWING NO.	A9201
SCALE	
SHEET NO.	



GENERAL NOTES



3D VIEW OF EAST ELEVATION 1  
A9202



3D VIEW OF WEST ELEVATION 2  
A9202

KEY NOTES

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
 FRESNO SEGMENT  
 ALIGNMENT F1  
 FRESNO HIGH SPEED TRAIN STATION - KERN OPTION  
**3D ELEVATION VIEWS**

CONTRACT NO.

DRAWING NO. **A9202**

SCALE

SHEET NO.