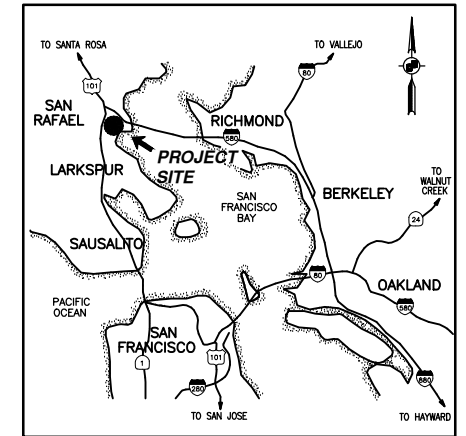




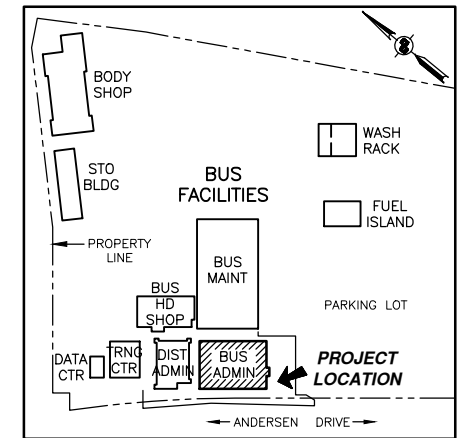
# Golden Gate Bridge, Highway & Transportation District

## SAN RAFAEL BUS DISPATCH RENOVATIONS



**VICINITY MAP**  
NO SCALE

### Contract No. 2012-BT-7



**LOCATION PLAN**  
NO SCALE

**DRAWING INDEX:**

SHT No.	DWG No.	Description
1	T1	TITLE SHEET
2	A1	BUS ADMINISTRATION BUILDING FLOORPLAN
3	A2	DEMOLITION AND REMODEL FLOORPLANS
4	A3	REMODEL SECTIONS AND DETAILS
5	E1	EXISTING ELECTRICAL AND DEMOLITION PLANS
6	E2	NEW ELECTRICAL PLANS
7	E3	REFLECTED CEILING AND LIGHTING PLANS
8	E4	ELECTRICAL SECTIONS, DETAILS AND PANEL SCHEDULES

**ABBREVIATIONS :**

AFF	ABOVE FINISHED FLOOR	L	ANGLE
ALUM	ALUMINUM	MAX	MAXIMUM
APPR	APPROXIMATE	MFR	MANUFACTURER
BET	BETWEEN	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
BM	BEAM, BENCHMARK	MTL	METAL
BOT	BOTTOM	MTD	MOUNTED
C	CHANNEL, CONDUIT	(N)	NEW
CLG	CEILING	NTS	NOT TO SCALE
CLR	CLEAR	OC	ON CENTER
CONC	CONCRETE	OD	OUTSIDE DIAMETER
COL	COLUMN	OG	ORIGINAL GROUND
CONT	CONTINUOUS	OH	OPPOSITE HAND
CTR	CENTER	OPNG	OPENING
D	DEPTH	OPP	OPPOSITE
DC	DIRECT CURRENT	PL	PLATE
DET	DETAIL	PREFAB	PREFABRICATED
DIST	DISTANCE	R, RAD	RADIUS
DWG	DRAWING	(R)	REMOVE
EA	EACH	REL	RELOCATED
EL, ELEV	ELEVATION	REQD	REQUIRED
ELECT	ELECTRICAL	SCH	SCHEDULE
(E), EXIST	EXISTING	SED	SEE ELECTRICAL DETAIL
EQ	EQUAL	SHT	SHEET
EQPT	EQUIPMENT	SIM	SIMILAR
EW	EACH WAY	SMS	SHEET METAL SCREWS
EXP	EXPANSION	SPECS	SPECIFICATIONS
EXT	EXTERIOR	SS	STAINLESS STEEL
FDN	FOUNDATION	SSD	SEE STRUCTURAL DETAIL
FF	FINISHED FLOOR	STD	STANDARD
FIN	FINISH	STL	STEEL
FOF	FACE OF FINISH	SMS	SHEET METAL SCREWS
FOS	FACE OF STEEL/STUD	SQ	SQUARE
GA	GAUGE	SYM	SYMMETRICAL
GALV	GALVANIZED	TC	TOP OF CONCRETE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	THK	THICK
GSM	GALVANIZED SHEET METAL	TOF	TOP OF FLANGE
GYP	GYP SUM	TOS	TOP OF STEEL
HD	HOT-DIPPED, HEAVY-DUTY	TYP	TYPICAL
HORIZ	HORIZONTAL	UN	UNLESS OTHERWISE NOTED
HT	HEIGHT	VAR	VARIES
JB	JUNCTION BOX	VIF	VERIFY IN FIELD
JT	JOINT	W	WIDTH
		W/	WITH

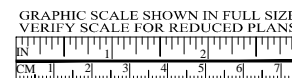
**GENERAL NOTES:**

1. THE GENERAL CONTRACTOR SHALL POSSESS A VALID STATE OF CALIFORNIA CLASS "B" GENERAL BUILDING CONTRACTOR'S LICENSE OR A STATE OF CALIFORNIA CLASS "A" GENERAL ENGINEERING CONTRACTOR'S LICENSE WITH MINIMUM OF THREE PROJECTS EXPERIENCE WITH PUBLIC AGENCIES IN THE PAST FIVE YEARS. BIDDER TO SUBMIT REFERENCE. FAILURE TO SUBMIT SATISFACTORY QUALIFICATIONS/EXPERIENCE WILL BE CONSIDERED AS NON-RESPONSIVE.
2. ALL SUBCONTRACTOR(S), IF ANY, SHALL BE PROPERLY LICENSED BY THE STATE OF CALIFORNIA TO PERFORM SPECIALIZED TRADES. SUBCONTRACTOR(S) TO HAVE A MINIMUM OF THREE PROJECTS EXPERIENCE WITH PUBLIC AGENCIES IN THE PAST FIVE YEARS. BIDDER TO SUBMIT REFERENCE. FAILURE TO SUBMIT SATISFACTORY QUALIFICATIONS/EXPERIENCE WILL BE CONSIDERED AS NON-RESPONSIVE.
3. NEW CONSTRUCTION IS UNPREFIXED OR PREFIXED BY (N) OR "NEW". EXISTING CONSTRUCTION IS PREFIXED BY (E) OR "EXIST".
4. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS & CONTROLLING FIELD DIMENSIONS PRIOR TO ORDERING OR FABRICATING OF MATERIALS & BEGINNING OF WORK.
5. CONTRACTOR SHALL PERFORM ALL LAYOUT WORK NECESSARY.

**SYMBOLS:**

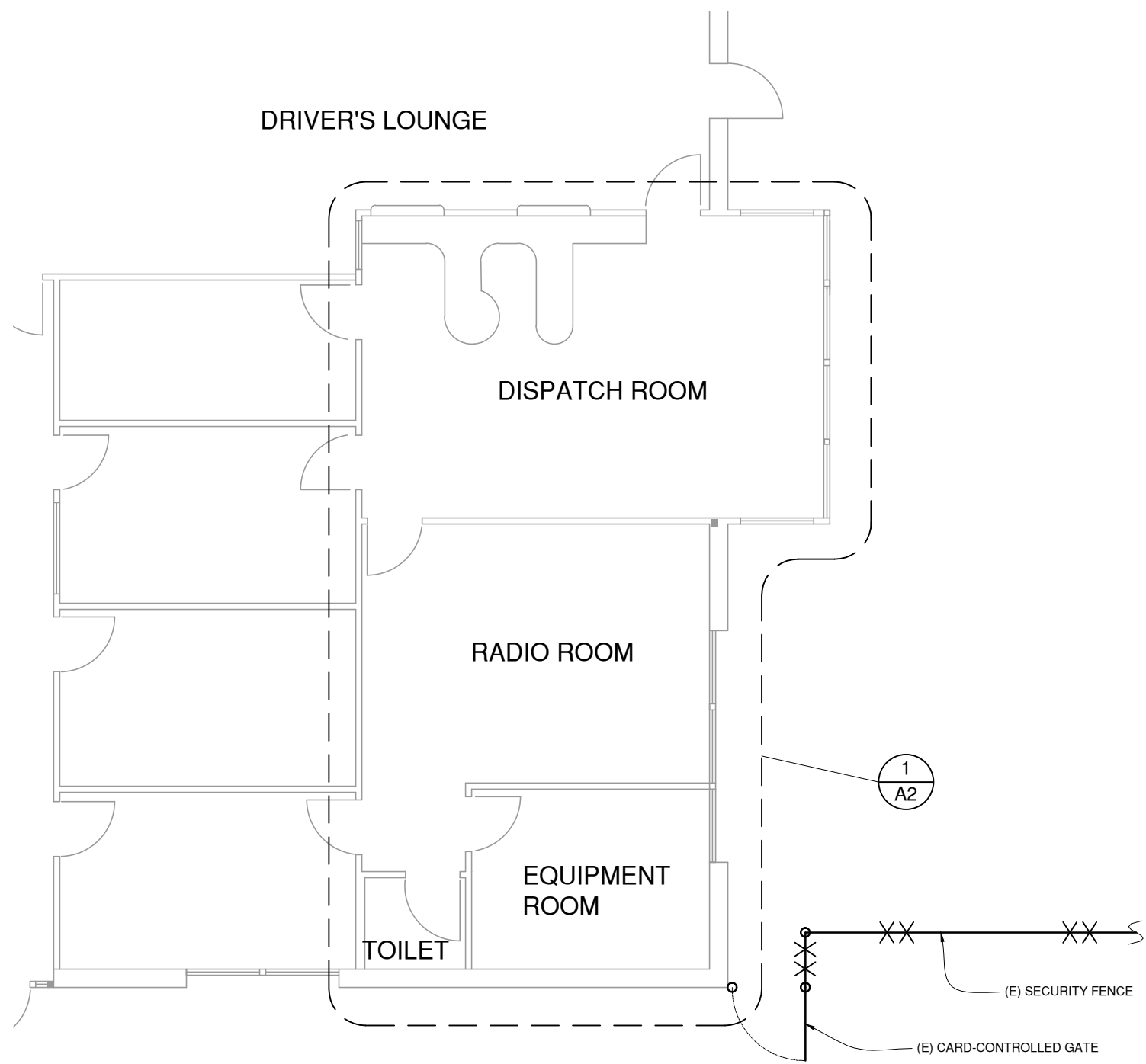
⊙	AT	⬇️	SECTION NUMBER
⊕	CENTER LINE	⬇️	DWG NUMBER
∅	DIAMETER	⬇️	DETAIL NUMBER
±	MORE OR LESS	⬇️	DWG NUMBER
⊥	PERPENDICULAR		
⌞	PLATE		

**ISSUED FOR BID**

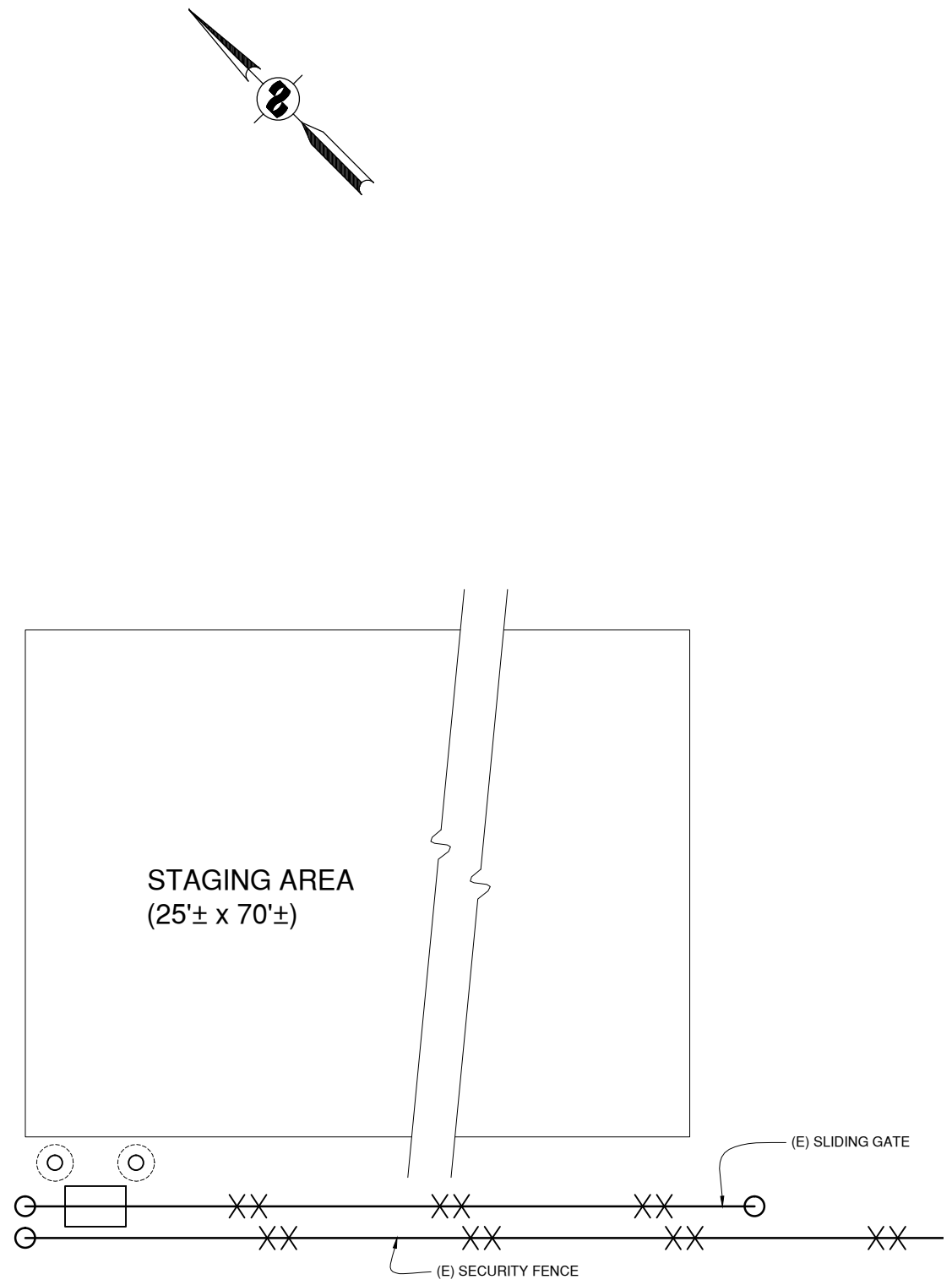


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NO.	REVISIONS	BY	DATE																					

REV NO.	SHEET NO.	SHEET TOTAL
0	2	8






DRIVEWAY



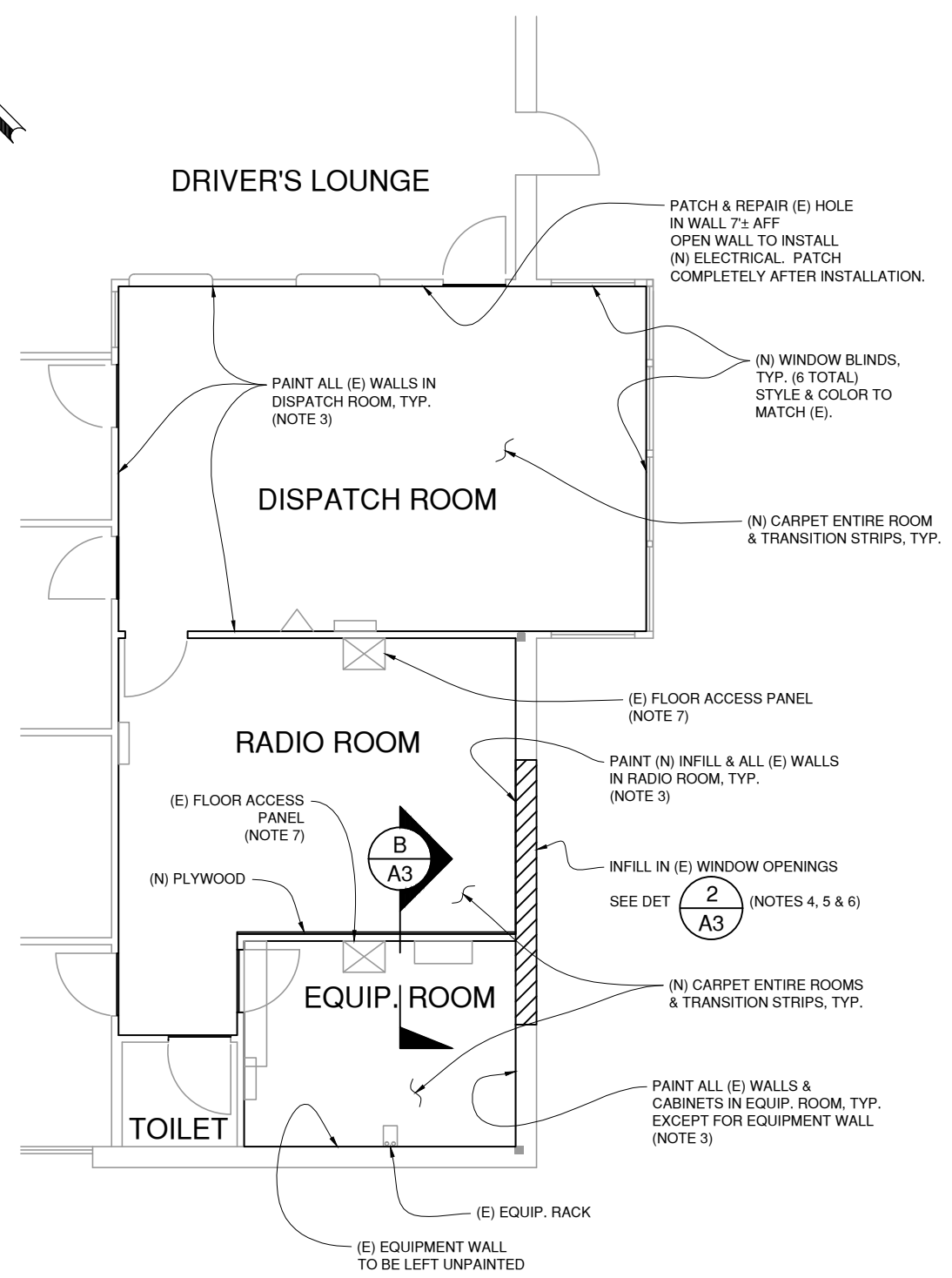
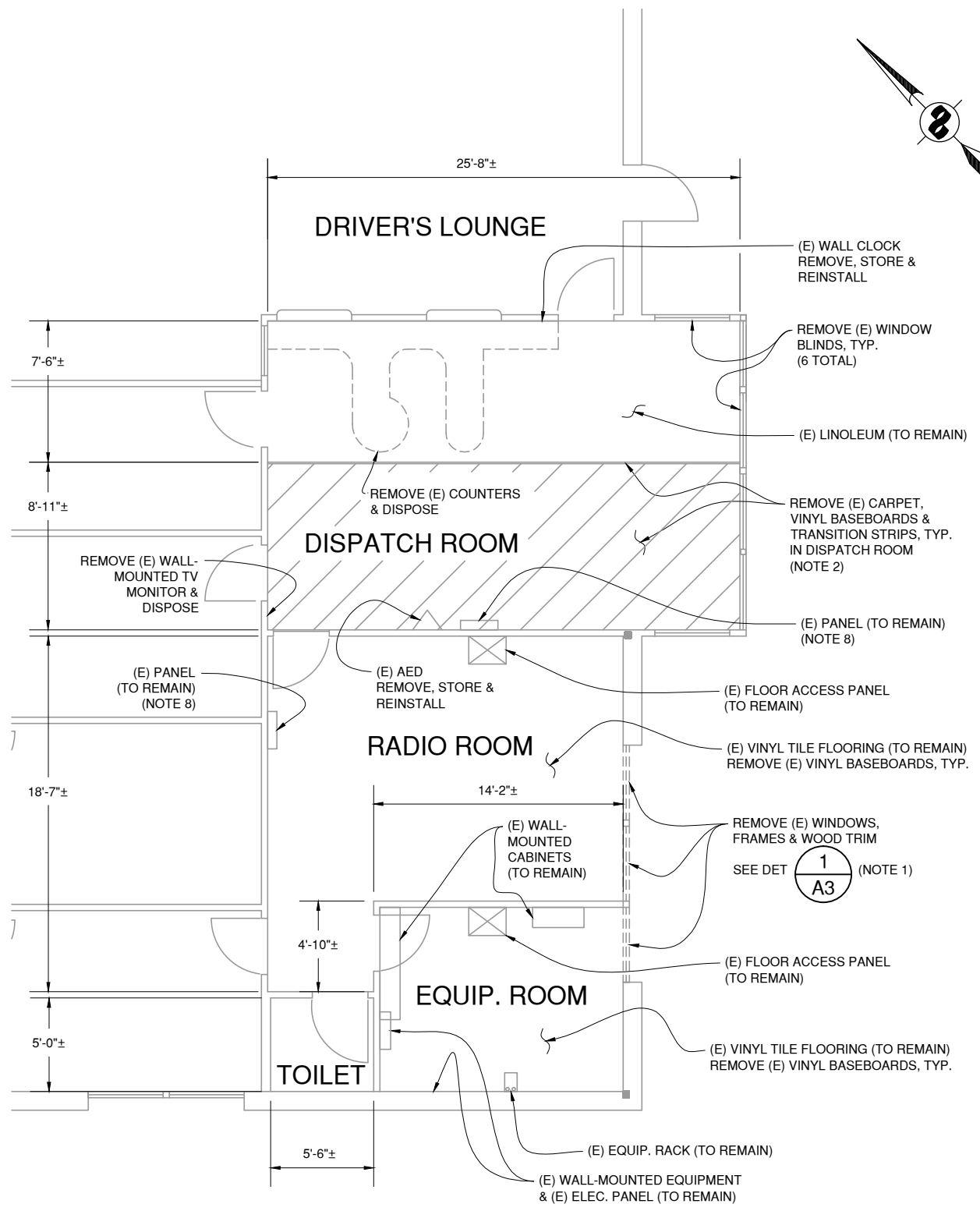
**1** EXISTING FLOORPLAN  
SCALE: 1/4"=1'-0"

**ISSUED FOR BID**



APPROVED BY  PROJECT ENGINEER 09/30/11 DATE	<table border="1"> <thead> <tr> <th>NO.</th> <th>REVISIONS</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	REVISIONS	BY	DATE																																									APPROVED BY  DISTRICT ENGINEER 03/31/13 DATE	PROJECT TITLE <b>SAN RAFAEL BUS DISPATCH RENOVATIONS</b> SHEET TITLE <b>BUS ADMINISTRATION BUILDING FLOORPLAN</b> DESIGNED: LMP    CHECKED: DSL    DRAWN: LMP SCALE: AS-NOTED    DATE: 20JAN2012	 <b>GOLDEN GATE BRIDGE</b> HIGHWAY & TRANSPORTATION DISTRICT
NO.	REVISIONS	BY	DATE																																													
CONTRACT NO. 2012-BT-7 CADD FILE: 12T07A002.DWG		DWG NO. <b>A1</b>																																														

REV NO.	SHEET NO.	SHEET TOTAL
0	3	8



- NOTES:**
- REMOVE & DISPOSE OF (E) WINDOWS, INCLUDING ALUMINUM FRAMES, WOOD TRIM, WOOD SILL, & EXTERIOR PLASTER.
  - REMOVE & DISPOSE OF (E) CARPETING AND TRANSITION STRIPS IN DISPATCH ROOM. REMOVE (E) VINYL BASEBOARDS IN ALL ROOMS.
  - PAINT ROOM WALLS, WOOD TRIMS & DOOR FRAMES W/ COLOR TO MATCH (E) INTERIOR COLORS.
  - R-11 FIBERGLASS INSULATION SHALL BE USED IN WINDOW INFILL.
  - A MOISTURE BARRIER SHALL BE INSTALLED ON THE EXTERIOR FACE BETWEEN THE STEEL STUDS & THE (N) PLASTER FINISH.
  - PAINT (N) PLASTER FINISH TO MATCH (E) EXTERIOR COLOR.
  - INSTALL (N) CARPET SO THAT FLOOR ACCESS PANELS REMAIN USABLE.
  - SEE ELECTRICAL DRAWINGS FOR (E) ELECTRICAL NOT SHOWN.
  - SEE ELECTRICAL DRAWINGS FOR ELECTRICAL, CEILING & HVAC DEMOLITION AND REMODEL.

**DEMOLITION FLOORPLAN**

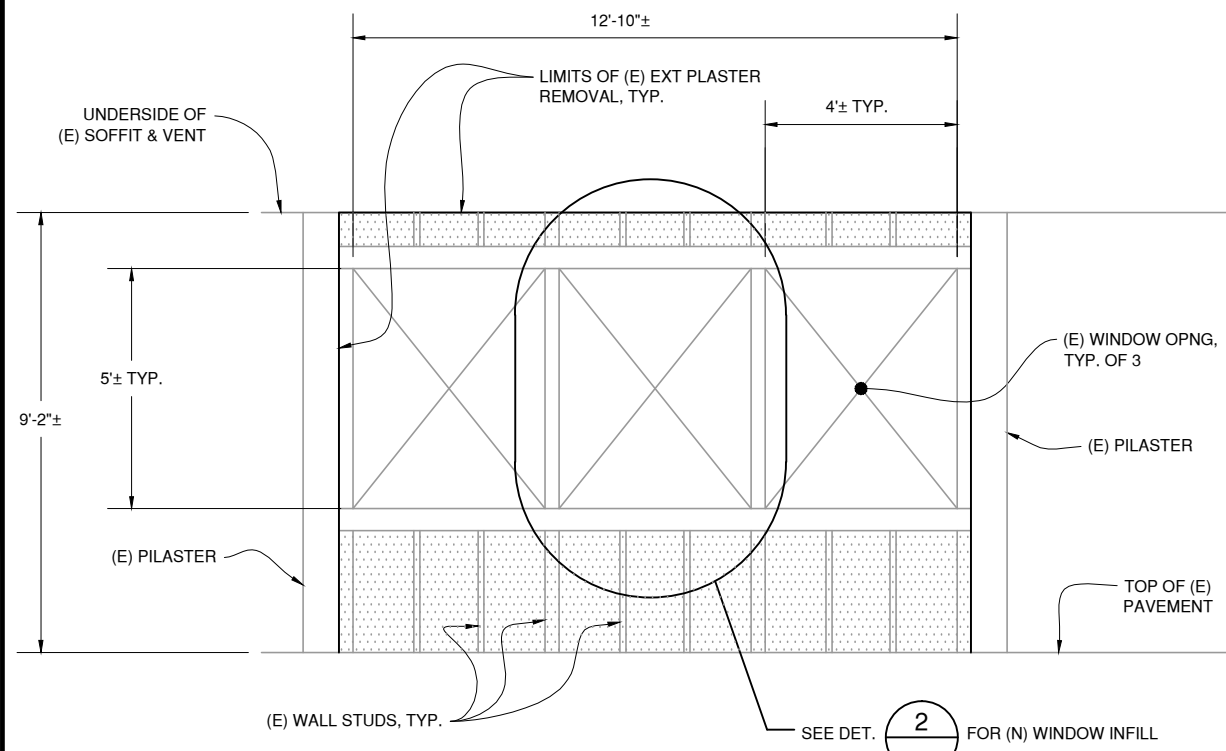
**REMODEL FLOORPLAN**

**1 DEMOLITION AND REMODEL FLOORPLANS**  
 SCALE: 1/4"=1'-0"

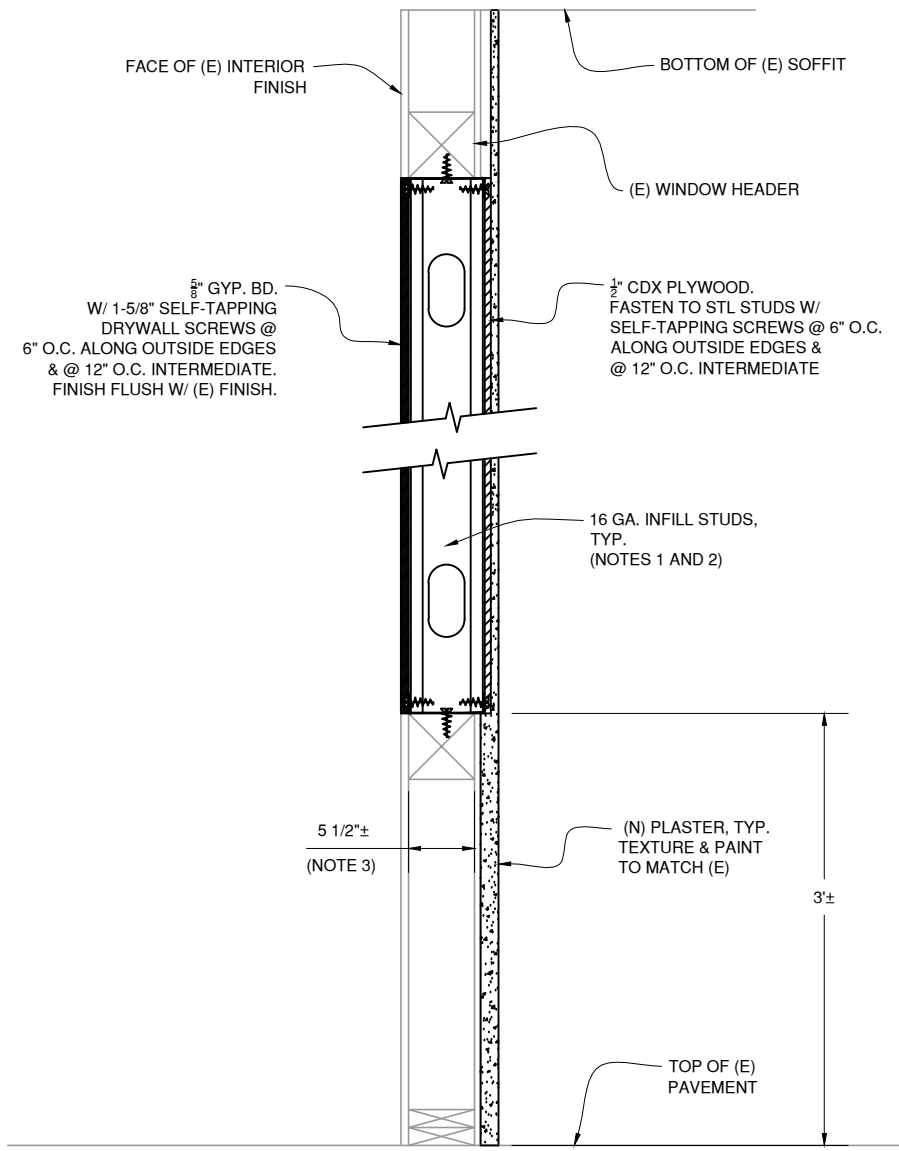
**ISSUED FOR BID**



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NO.	REVISIONS	BY	DATE									



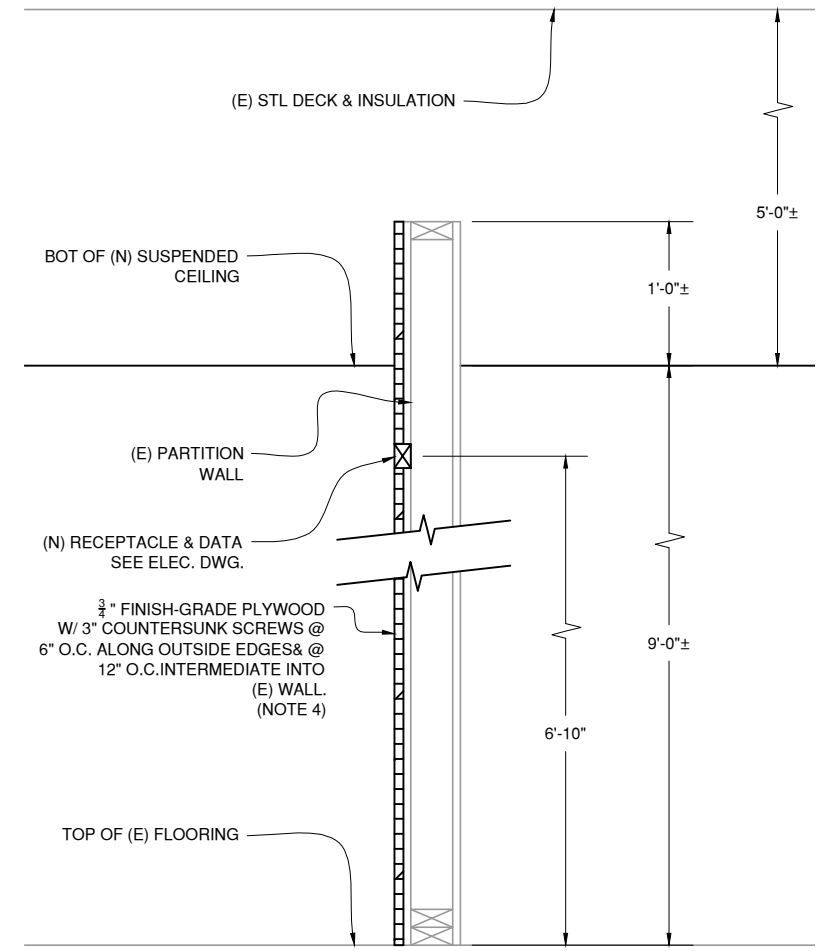
**1 WINDOW DEMOLITION DETAIL**  
 A2 SCALE: 1/2"=1'-0"



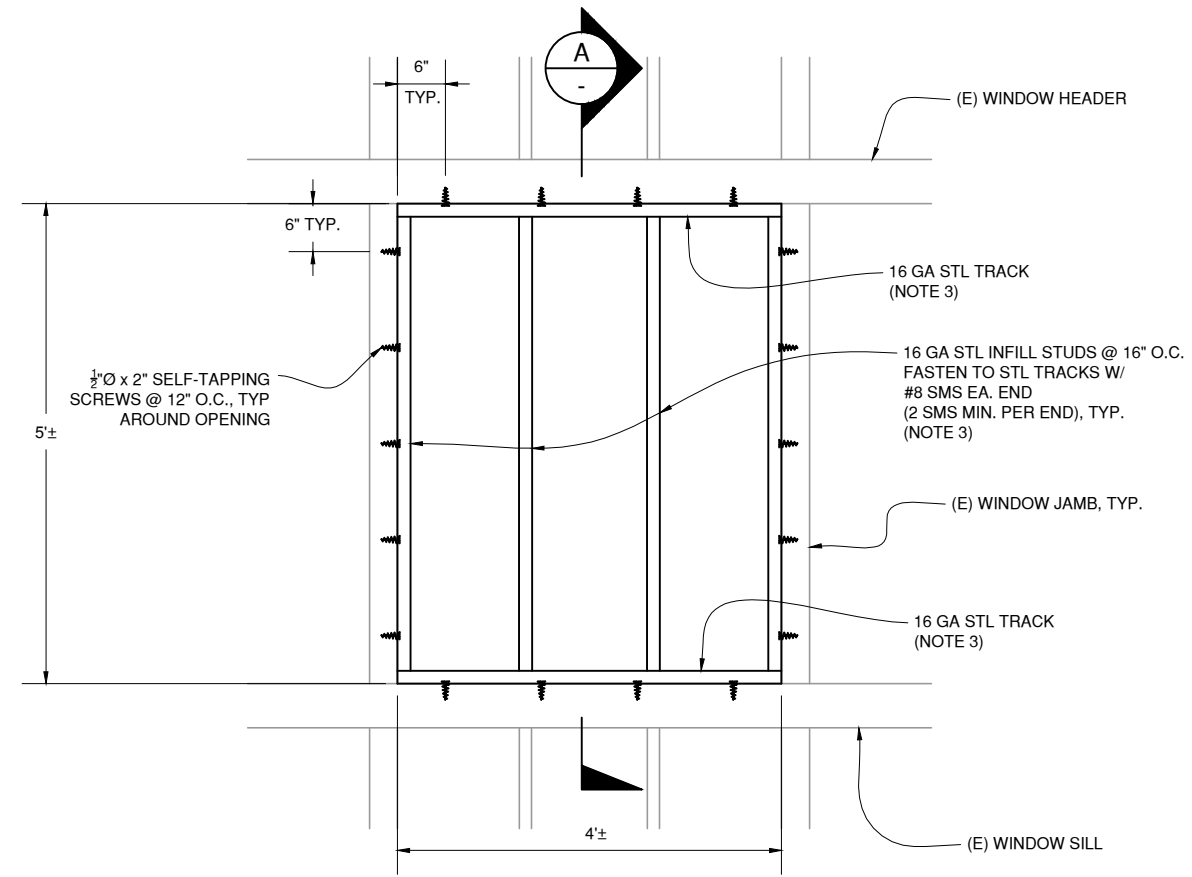
**A WINDOW INFILL SECTION**  
 - SCALE: 1-1/2"=1'-0"

**NOTES:**

- R-21 FIBERGLASS INSULATION SHALL BE USED IN WINDOW INFILL.
- SIZE OF STEEL STUDS TO MATCH SIZE OF (E) WOOD STUDS ABOVE & BELOW WINDOW OPENINGS. A MOISTURE BARRIER SHALL BE INSTALLED ON THE EXTERIOR FACE OF THE STEEL STUDS
- CONTRACTOR TO VERIFY (E) WALL DIMENSION & ADJUST FINISH AS NECESSARY TO TO MATCH (E).
- PAINT PLYWOOD TO MATCH COLOR OF (E) PARTITION WALL.



**B PLYWOOD ADDITION SECTION**  
 A2 SCALE: 1-1/2"=1'-0"



**2 WINDOW INFILL DETAIL**  
 A2 SCALE: 1"=1'-0"

NOTE: INSULATION NOT SHOWN FOR CLARITY

NOTE: WALL FINISH NOT SHOWN FOR CLARITY.

**ISSUED FOR BID**

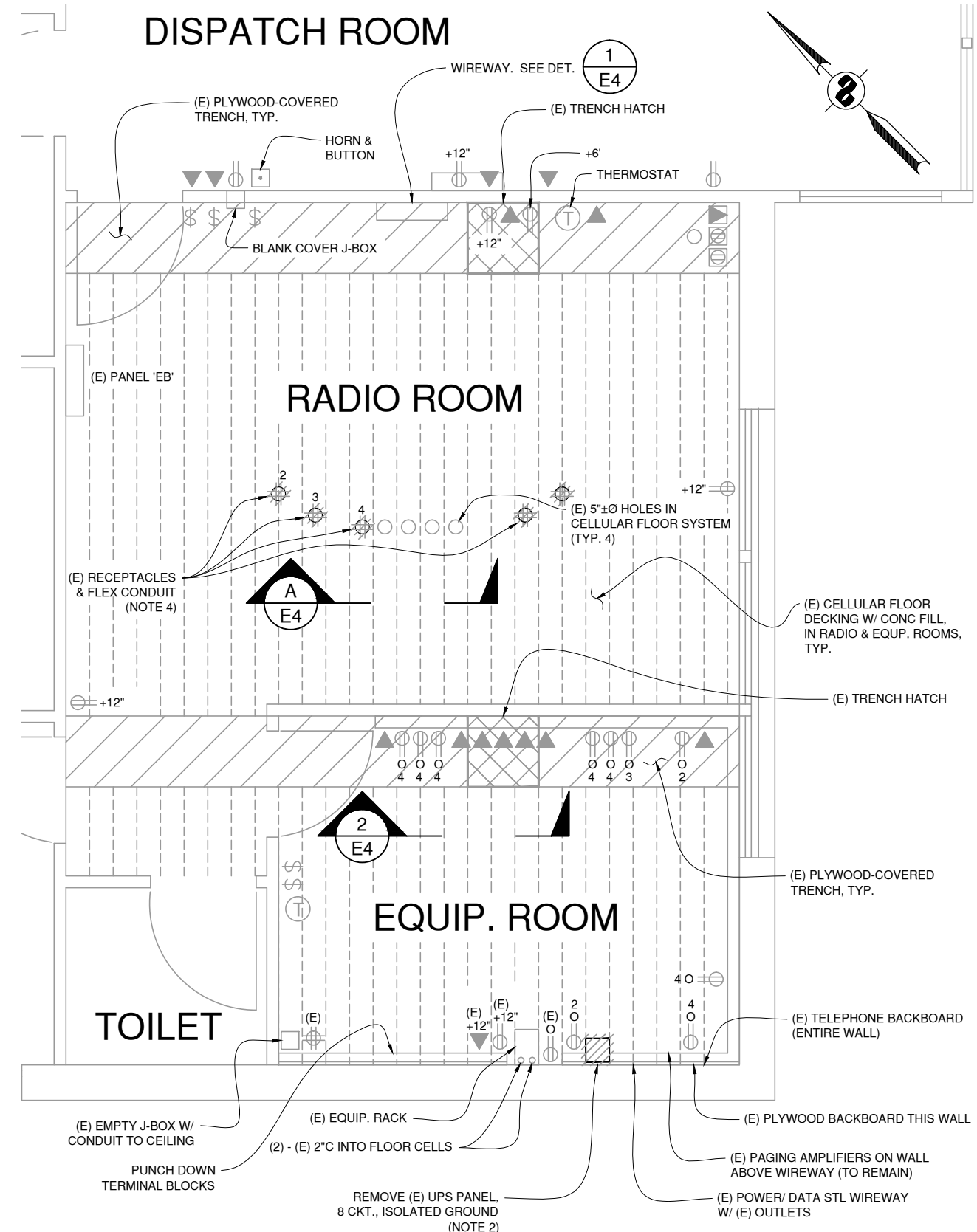


APPROVED BY <i>Laura M. F...</i> No. C68705 Exp. 9/30/13 CIVIL STATE OF CALIFORNIA	PROJECT ENGINEER 09/30/11 DATE	NO. REVISIONS BY DATE	APPROVED BY <i>...</i> No. C49632 Exp. 3/31/13 CIVIL STATE OF CALIFORNIA	DISTRICT ENGINEER 03/31/13 DATE
CONTRACT NO. 2012-BT-7 CADD FILE: 12T07A004.DWG		DWG NO. A3	PROJECT TITLE <b>SAN RAFAEL BUS DISPATCH RENOVATIONS</b>	
DESIGNED: LMP		CHECKED: DSL	DRAWN: LMP	
SCALE: AS-NOTED		DATE: 20JAN2012		

PROJECT TITLE <b>SAN RAFAEL BUS DISPATCH RENOVATIONS</b>	
SHEET TITLE <b>REMODEL SECTIONS AND DETAILS</b>	
DESIGNED: LMP	CHECKED: DSL
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SCALE: AS-NOTED	
DATE: 20JAN2012	



REV NO.	SHEET NO.	SHEET TOTAL
0	5	8

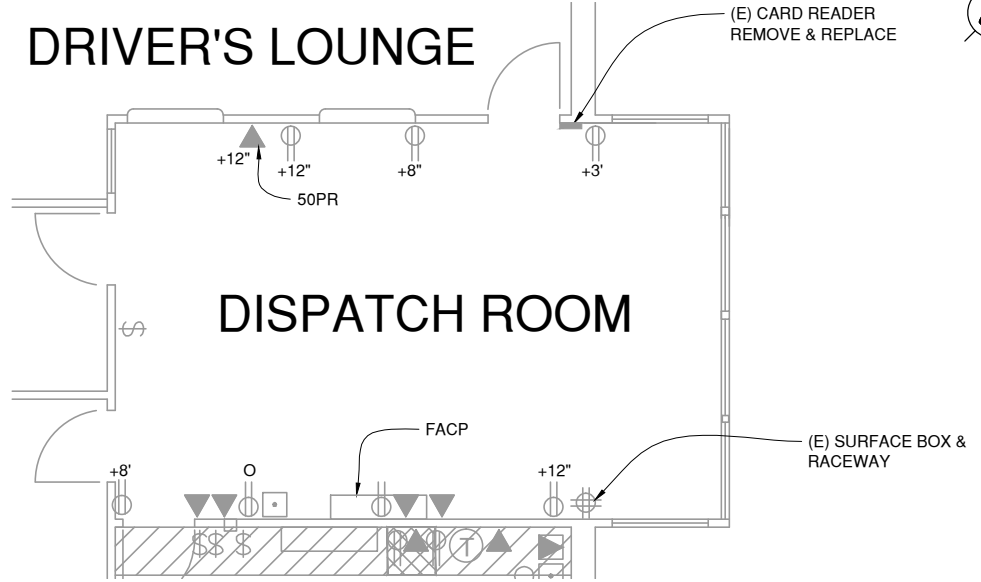


**1** RADIO & EQUIP. ROOMS EXISTING ELECTRICAL/ DEMOLITION PLAN  
SCALE: 1/2"=1'-0"

### ELECTRICAL SYMBOL LIST

	DUPLEX RECEPTACLE, 120V, 20A, MOUNTED AS SHOWN AFF.
	DUPLEX RECEPTACLE, 120V, 20A. "0" DENOTES ISOLATED GROUND AND ORANGE IN COLOR. MOUNT AS SHOWN AFF.
	DUPLEX RECEPTACLE, 120V, 20A. "c" DENOTES CLOCK OUTLET RECESSED INTO WALL SURFACE & ORANGE IN COLOR. MOUNT APPROX. 7" AFF. COORDINATE W/ MONITOR INSTALLATION.
	FLOOR "MONUMENT" OUTLET, WIRING INTO FLOOR TRENCH/ CELLULAR FLOOR SYSTEM.
	TELEPHONE/ DATA OUTLET JACK, EXISTING AS INSTALLED. NEW OUTLET SHALL BE 4 SQUARE BOX & 1" CONDUIT INTO CEILING SPACE, INSULATED BUSHINGS ON BOTH ENDS OF CONDUIT.
	"QUAD"-2 DUPLEX RECEPTACLES, TYPE & MOUNTING AS SHOWN.
	PUSH BUTTON/ HORN STATION
	SURFACE-MOUNTED JUNCTION BOX. SIZE AS REQUIRED.
	FLOOR "MONUMENT" TELEPHONE OUTLET, WIRING INTO FLOOR TRENCH/ CELLULAR FLOOR SYSTEM.
	THERMOSTAT
	PANEL
	COMPONENT TO BE REMOVED ALONG W/ CIRCUIT BACK TO SOURCE UNLESS OTHERWISE NOTED
	120V, 20A TOGGLE SWITCH

- NOTES:**
- FOR NEW ELECTRICAL PLANS, SEE SHEET E2. FOR REFLECTED CEILING LIGHTING PLANS, SEE SHEET E3.
  - REMOVE (E) PANEL UPS1. SEE NOTE 2 ON SHEET E2. RECONNECT (E) WIRING TO (N) PANEL USING CIRCUITS DEPICTED ON SHEET E2.
  - EXISTING DEVICES TO REMAIN UNLESS OTHERWISE NOTED.
  - PULL BACK CONDUCTORS FROM (E) RECEPTACLES INTO FLOOR. REMOVE (E) BOXES AND FLEXIBLE CONDUITS.
  - (E) CIRCUIT NUMBERS FOR RECEPTACLES SHOWN. CONTRACTOR TO VERIFY CIRCUITS IN FIELD PRIOR TO PERFORMING ANY MODIFICATIONS.

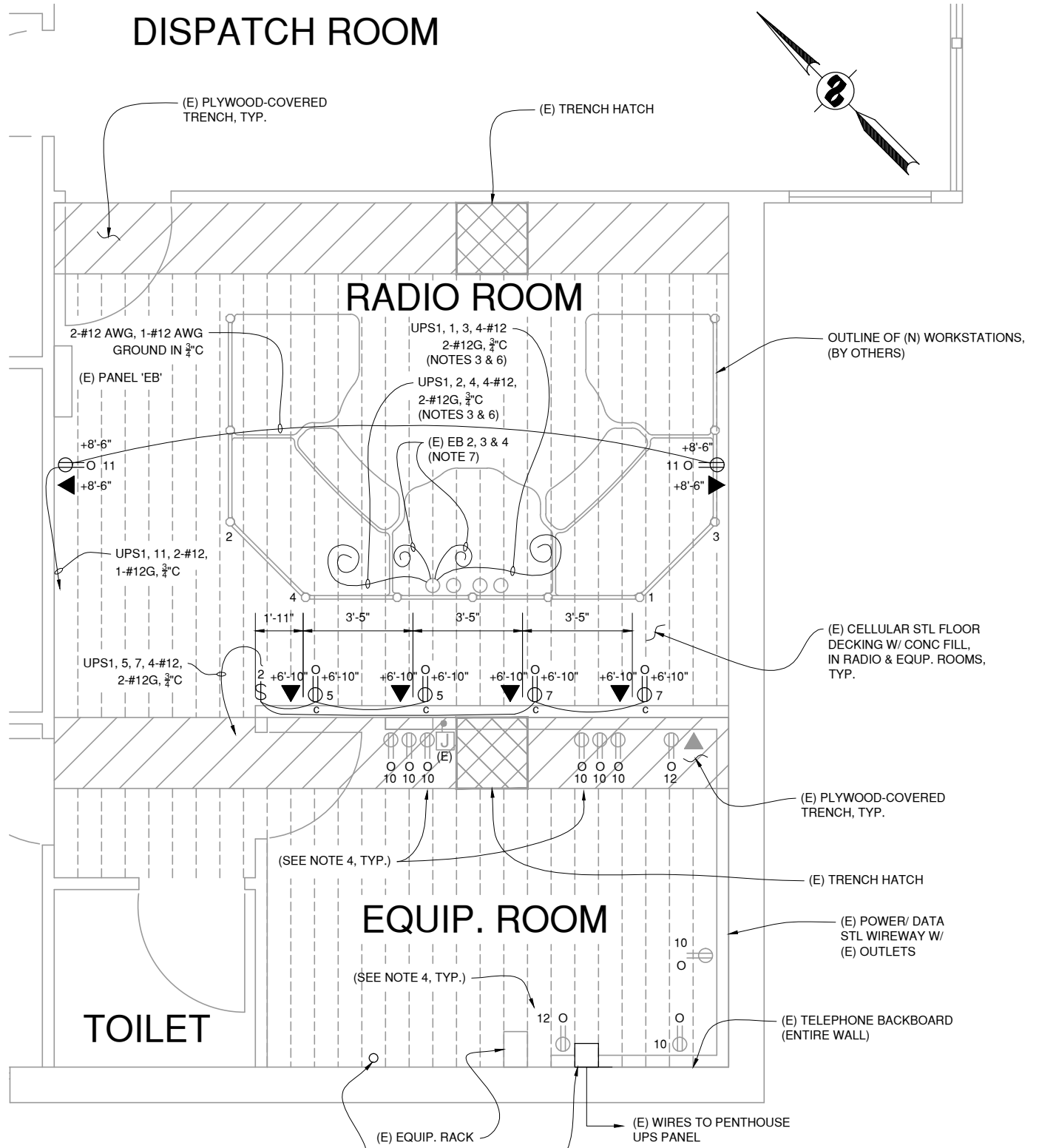


**2** DISPATCH ROOM EXISTING ELECTRICAL PLAN  
SCALE: 1/4"=1'-0"

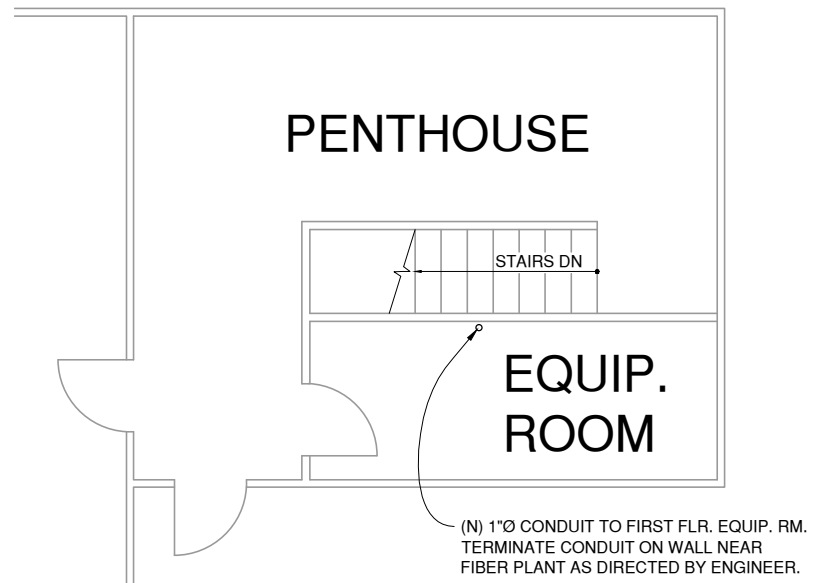
**ISSUED FOR BID**

 <b>STEFFEN ENGINEERING CO</b> CONSULTING ENGINEERS	APPROVED BY		APPROVED BY	PROJECT TITLE
	 PROJECT ENGINEER 09/30/11 DATE	NO. REVISIONS CONTRACT NO. 2012-BT-7 CADD FILE: 12T07E001.DWG	BY DATE DWG NO. E1	DISTRICT ENGINEER 03/31/13 DATE

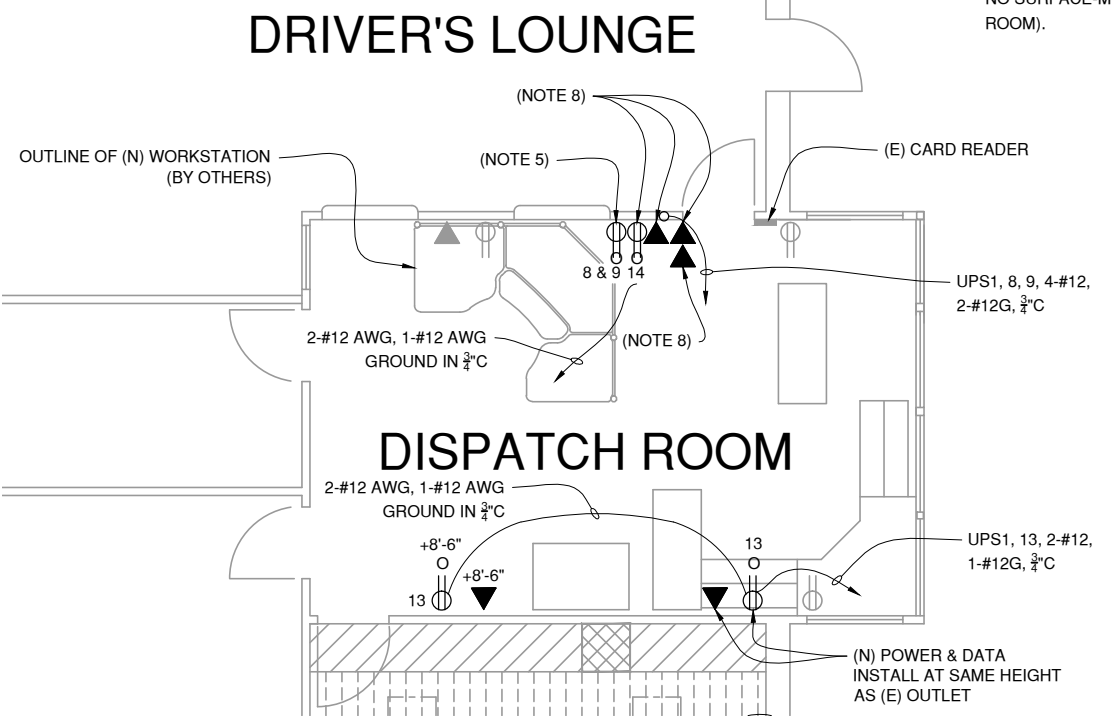




**1 RADIO & EQUIP. ROOMS NEW ELECTRICAL PLAN**  
SCALE: 1/2"=1'-0"



**3 PENTHOUSE EQUIP. ROOM NEW ELECTRICAL PLAN**  
SCALE: 1/4"=1'-0"



**2 DISPATCH ROOM NEW ELECTRICAL PLAN**  
SCALE: 1/4"=1'-0"

- NOTES:**
- FOR EXISTING ELECTRICAL & DEMOLITION PLANS, SEE SHEET E1. FOR REFLECTED CEILING LIGHTING PLANS, SEE SHEET E3.
  - REPLACE (E) PANEL UPS 1 W/ (N) PANEL AS DEPICTED IN PANEL SCHEDULE UPS1 ON SHEET E4. RECONNECT TO INCOMING (E) FEEDER AND (E) CIRCUITS PER SCHEDULE AND PLANS.
  - ROUTE HOMERUN FOR THE CIRCUITS VIA FLEX CONDUIT THROUGH HOLE IN FLOOR, INTO CELLULAR FLOOR SYSTEM TO HATCH IN TELEPHONE EQUIPMENT ROOM. PROVIDE J-BOX IN FLOOR TRENCH AND TRANSITION TO EMT FROM FLOOR TRENCH THROUGH PLYWOOD FLOOR INTO (E) WIREWAY MOUNTED APPROXIMATELY 4' ABOVE FLOOR, AROUND ROOM AND IN EMT UP TO (N) PANEL UPS1.
  - RECONNECT (E) RECEPTACLES TO (N) PANEL UPS1 TO CIRCUITS AS INDICATED ON PANEL SCHEDULE ON SHEET E4. RE-LABEL RECEPTACLES TO (N) CIRCUIT NUMBERS.
  - FOR CIRCUITS UPS1, 8 & 9, INSTALL 4" x 4" ELECTRICAL BOX IN WALL @20" AFF AND COIL 12" OF WIRE INSIDE BOX. LABEL WIRE WITH CIRCUIT NUMBERS AND TURN OFF BREAKERS.
  - LEAVE 5 FT. OF FLEX COILED ON FLOOR FOR CIRCUITS 2, 4, 1 & 3. TURN OFF BREAKERS AND LABEL WIRE ENDS EXTENDING OUT OF FLEX FOR IDENTIFICATION.
  - LEAVE 5 FT OF FLEX COILED ON FLOOR FOR CIRCUITS EB 2, 3 & 4. TURN OFF BREAKERS AND LABEL WIRE ENDS EXTENDING OUT OF FLEX FOR IDENTIFICATION.
  - INSTALL CIRCUIT 14 @ 6'-8" AFF, INSTALL 1 DATA BOX @ 6'-8" AFF, & 2 DATA JACKS @ 20" AFF.
  - ALL ELECTRICAL BOXES AND DATA BOXES TO BE INSTALLED INSIDE WALLS. NO SURFACE-MOUNTED BOXES ALLOWED (EXCEPT FOR INSIDE EQUIPMENT ROOM).

**ISSUED FOR BID**

**STEFFEN ENGINEERING CO**  
CONSULTING ENGINEERS

APPROVED BY  
*[Signature]*  
PROJECT ENGINEER  
09/30/11  
DATE

APPROVED BY  
*[Signature]*  
DISTRICT ENGINEER  
03/31/13  
DATE

PROJECT TITLE  
**SAN RAFAEL BUS DISPATCH RENOVATIONS**

SHEET TITLE  
**NEW ELECTRICAL PLANS**

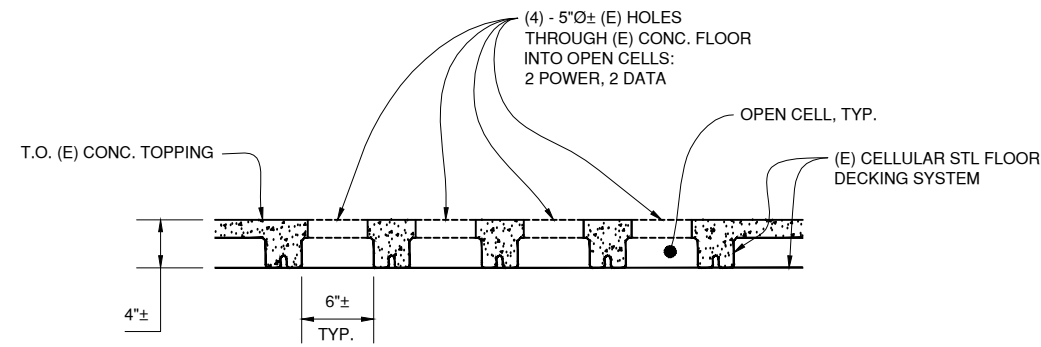
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CADD FILE: 12T07E002.DWG

DWG NO. E2  
DATE

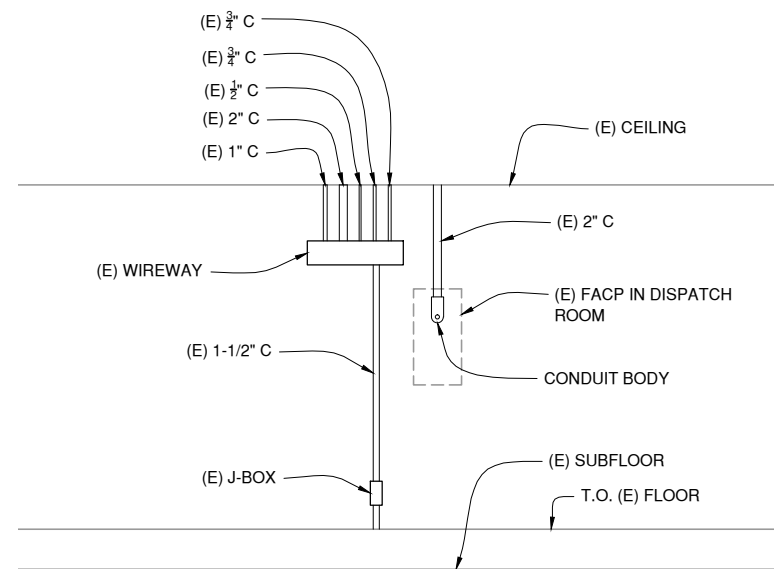
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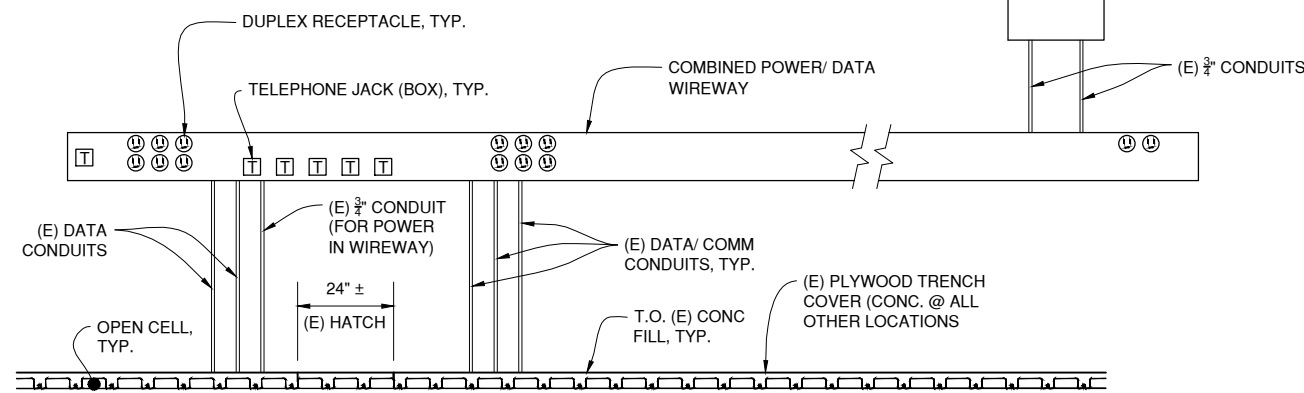




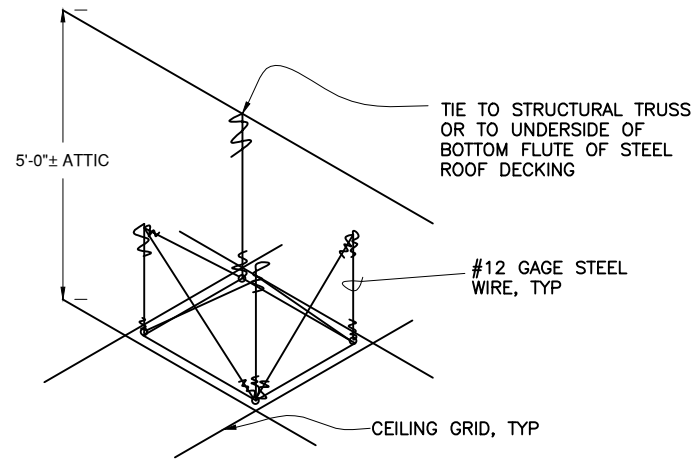
**A SECTION THROUGH CELLULAR FLOOR**  
E1 SCALE: 1-1/2"=1'-0"



**1 (E) SURFACE WIRING DETAIL ALONG N. WALL OF RADIO ROOM**  
E1 NOT TO SCALE



**2 (E) SURFACE WIRING DETAIL ALONG N. WALL OF EQUIPMENT ROOM**  
E1 NOT TO SCALE



NOTE: COUNTERSLOPING WIRES MAY BE USED IN PLACE OF VERTICAL HANGERS. WIRES MUST NOT BE SUPPORTED BY A PIPE, DUCT, OR OTHER NONSTRUCTURAL ELEMENT.

**3 SEISMIC LIGHT FIXTURE SUPPORT**  
E3 NOT TO SCALE

**PANEL UPS1**  
40 A MAIN BKR.

SUPPLY:  -BOTT.  -TOP  -LUGS  -MAIN BKR.  -LTG.  -RECEPT.  - NEMA 1

TYPE:  -1P3W  -3P4W  -W/ GRD. BAR + ISOLATED GRD. BAR MOUNTING  -SURFACE  -FLUSH  -COLUMN

MAINS: 100 A 10,000 A.I.C. VOLTAGE  -120 / 208  -277 / 480

CKT. NO.	TRIP	NO. OF POLES	USED FOR	COL. #1 VOLT-AMPS			COL. #2 VOLT-AMPS			USED FOR	NO. OF POLES	TRIP	CKT. NO.
				A	B	C	A	B	C				
1	20	1	CONSOLE EAST	1200			1200			CONSOLE WEST	1	20	2
3	20	1	CONSOLE EAST		1200			1200		CONSOLE WEST	1	20	4
5	20	1	VIDEO WALL WEST	500						CONSOLE DISPATCH	1	20	6
7	20	1	VIDEO WALL EAST		500					CONSOLE DISPATCH	1	20	8
9	20	1	RECEPT. WIREWAY	200						RECEPT. WIREWAY	1	20	10
11	20	1	CEILING OUTLETS					800		RECEPT. WIREWAY	1	20	12
13	20	1	DISPATCH DESK							NIGHT CONSOLE	1	20	14
15	20	1	SPARE							SPARE	1	20	16
17	20	1									1	20	18
19	20	1									1	20	20
21	20	1	SPACE							SPACE	1	20	22
23	20	1									1	20	24
25	20	1									1	20	26
27	20	1									1	20	28
29	20	1									1	20	30

PHASE TOTALS COL. #1	1900	1700
PHASE TOTALS COL. #2	3800	3200
PHASE TOTAL VA	5700	4900

TOTAL 1 PHASE CONNECTED 10600 KVA 48 AMPS

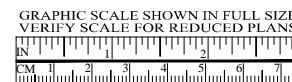
**PANEL EB (E)**  
70 A MAIN BKR.

SUPPLY:  -BOTT.  -TOP  -LUGS  -MAIN BKR.  -LTG.  -RECEPT.  - NEMA 1

TYPE:  -3P3W  -3P4W  -W/ GRD. BAR + ISOLATED GRD. BAR MOUNTING  -SURFACE  -FLUSH  -COLUMN

MAINS: 100 A 10,000 A.I.C. VOLTAGE  -120 / 208  -277 / 480

CKT. NO.	TRIP	NO. OF POLES	USED FOR	COL. #1 VOLT-AMPS			COL. #2 VOLT-AMPS			USED FOR	NO. OF POLES	TRIP	CKT. NO.
				A	B	C	A	B	C				
1	20	1	CENTRAL LINE UNIT							CONSOLE RECEPT.	1	20	2
3	20	1	CONSOLE RECEPT.							CONSOLE RECEPT.	1	20	4
5	20	1	RADIO ROOM 2 DUP. S. WALL							?	1	20	6
7	20	1	2 DUPLEX @ DISPATCH							SPARE	1	20	8
9	20	1	SPARE							SPARE	1	20	10
11	20	1	SPARE							SPARE	1	20	12
13	20	1	BLANK							MAIN	-	-	14
15	20	2	SPARE							MAIN	3	70	16
17	20	2	SPARE							MAIN	-	-	18



**ISSUED FOR BID**

**STEFFEN ENGINEERING CO**  
CONSULTING ENGINEERS

APPROVED BY: [Signature]

PROJECT ENGINEER: [Signature]

DATE: 09/30/11

CONTRACT NO. 2012-BT-7

CADD FILE: 12T07E004.DWG

APPROVED BY: [Signature]

DISTRICT ENGINEER: [Signature]

DATE: 03/31/13

PROJECT TITLE: **SAN RAFAEL BUS DISPATCH RENOVATIONS**

SHEET TITLE: **ELECTRICAL SECTIONS, DETAILS AND PANEL SCHEDULES**

DESIGNED: LMP | CHECKED: DSL | DRAWN: LMP

SCALE: AS-NOTED | DATE: 20JAN2012

