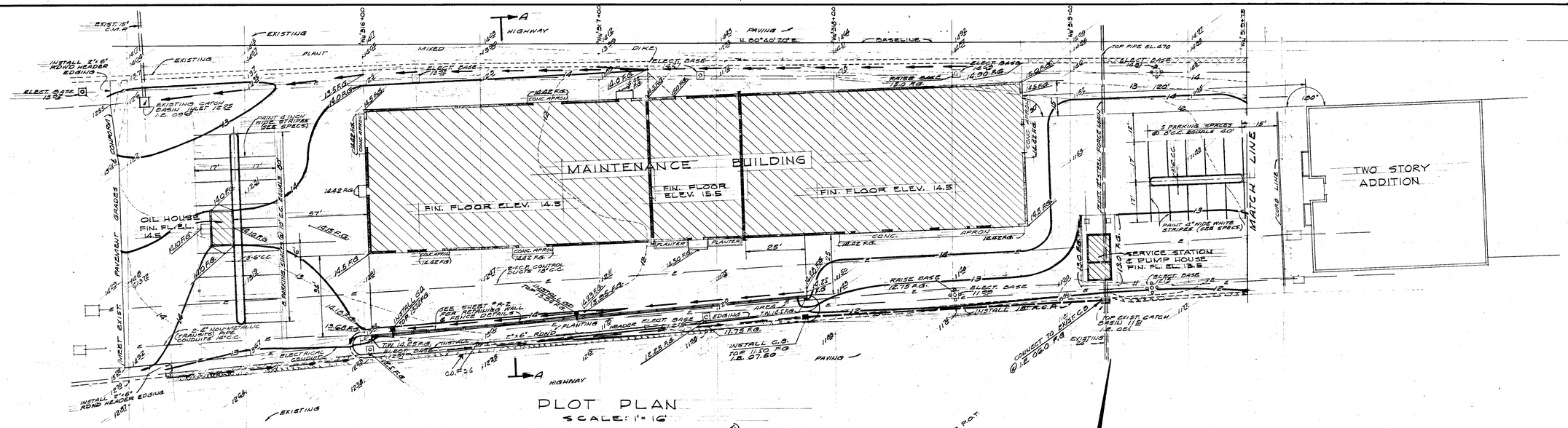
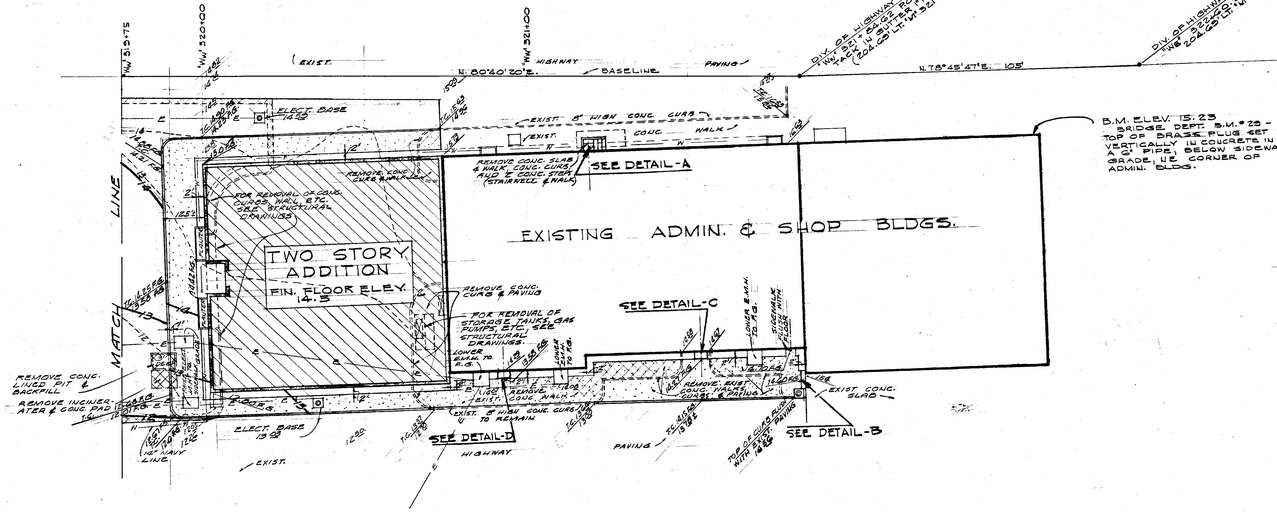




GENERAL NOTES

1.- BENCH MARK DATUM IS LOCATED AT THE NE CORNER OF THE EXISTING ADMINISTRATION BUILDING. (SEE PLOT PLAN)

2.- REMOVE EXISTING BITUMINOUS PAVING AND SCARIFY BASE MATERIAL. (SEE SPECIFICATIONS)

3.- ENTIRE AREA TO BE SURFACED AND SITE GRADED IS AT PRESENT SURFACED WITH PLANT-MIXED SURFACING AND ROCK BASE TO AN APPROX. DEPTH OF 10 INCHES, OR CONCRETE SURFACING.

4.- ADJUST TO FINISH GRADE ALL MANHOLES, PULL BOXES, VALVE BOXES, ELECTROLIER BASES, ETC.

5.- ALL NEW PAVING SHALL MEET AND CONFORM TO EXISTING PAVING GRADES.

6.- ALL BITUMINOUS PLANT MIXED SURFACING SHALL HAVE A 2"x6" REDWOOD HEADER BOARD, EXCEPT WHERE PAVING MEETS EXISTING PAVING AND CONCRETE, WHERE PAVING MEETS CONCRETE CURBS, ADJACENT TO THE BUILDINGS, ETC.

7.- FOR RAISING OF ELECTROLIER BASES SEE ELECTRICAL DRAWING

LEGEND

12.4	EXISTING GRADE		INSTALL PIPE GUARD POSTS
14.5 F.G.	FINISH GRADE		DIRECTION OF DRAINAGE
14	EXISTING CONTOUR		CONSTRUCT CATCH BASIN OR GUTTER DRAIN
14	FINISH CONTOUR		INSTALL STORM DRAIN PIPE
W	EXISTING 14" NAVY WATER LINE		INSTALL 4' HIGH CHAIN LINK FENCE ON RETAINING WALL
E	EXISTING ELECTRICAL LINE		INSTALL PIPE PARKING BUMPER
	EXISTING 3' SQUARE ELECTROLIER BASE		CONSTRUCT 4" THICK CONCRETE WALK
			PLACE 5" OF BITUMINOUS PLANT MIXED SURFACING AND 8" OF UNTREATED BASE MATERIAL
C.B.	CATCH BASIN		REMOVE CONCRETE SLABS & PLANT MIXED DIKES
F.G.	FINISH GRADE		
G.D.	GUTTER DRAIN		
I.E.	INVERT ELEVATION		CONSTRUCT 8" CONCRETE CURB
M.H.	MANHOLE		
T.C.	TOP OF CURB		
T.W.	TOP OF WALL		
E.M.H.	ELECTRICAL MANHOLE		

MICROFILMED
AS BUILT

STAGE 2

THIS DRAWING IS HEREBY ACKNOWLEDGED TO BE PART OF THE PLANS REFERRED TO IN MY CONTRACT WITH THE STATE DEPARTMENT OF PUBLIC WORKS, DIVISION OF ARCHITECTURE.

DATE [redacted]

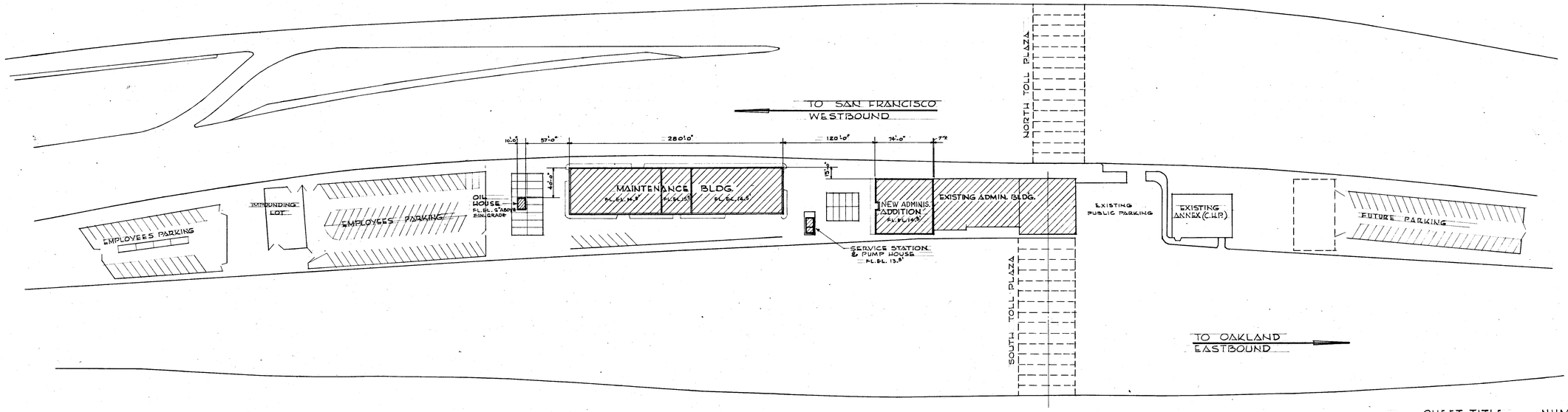
CONTRACTOR [redacted]

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
SACRAMENTO
BY ASSISTANT STATE ARCHITECT

DESIGNED	DATE 12-10-1957	SHEET TITLE PLOT PLAN	SHEET R-1
DRAWN	W.O. 3832 SC.	PROJECT TOLL PLAZA BLDGS. ADDITIONS & ALTERATIONS	
TRACED	REVISED	INSTITUTION DIV. OF HIGHWAYS SAN FRANCISCO OAKLAND BAY BRIDGE	OF 2
CHECKED	FILE 56-D-8	LOCATION OAKLAND	

R1-R2-#1 THRU #10-D1 THRU D6-S1 THRU S20-M1 THRU M4 & -M6-E1-E2 THRU E6
JUN 27 1958

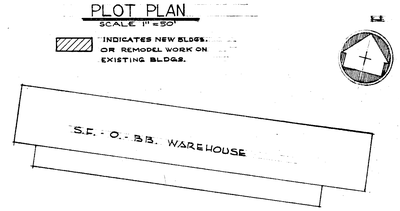
AS BUILT



PLOT PLAN

SCALE 1" = 50'

INDICATES NEW BLDGS. OR REMODEL WORK ON EXISTING BLDGS.



◇ SYMBOLS & LEGEND ◇

- CONCRETE
- TILE
- METAL (SECTION)
- INSULATION
- METAL (ELEVATION)
- METAL OR WOOD STUD PARTITION
- WOOD (FINISH)
- WOOD (FRAMING)
- GLASS
- EARTH
- 7/D3 — DOOR SIZE & TYPE - SEE DOOR SCHEDULE; DOOR FRAME - SEE 'D' SHEET #3
- A — WINDOW SIZE & TYPE - SEE WINDOW SCHEDULE
- 6/D6 — NUMBER OF DETAIL ON SHEET; DETAIL SHEET NUMBER
- 1/12 — DETAIL NUMBER; SHEET NUMBER; INDICATES LARGER SCALE DRAWING ON SHEET #12
- 127 — ROOM NUMBER

◇ ABBREVIATIONS ◇

ACOUS.T.	ACOUSTIC TILE	FIN.	FINISH	O.C.	ON CENTER
ADMIN.	ADMINISTRATION	F.G.	FINISH GRADE	O.D.	OUTSIDE DIMENSION
AL. & ALUM.	ALUMINUM	F.E.C.	FIRE EXTINGUISH CABINET	OPG.	OPENING
		F.H.	FLAT HEAD		
A.T.	ASPHALT TILE	FL.	FLOOR		
		F.D.	FLOOR DRAIN		
		F.C.	FLOOR CHECK	P.	PITCH
BLDG.	BUILDING			PART.	PARTITION
		GA.	GAUGE	P.B.X.	PRIVATE BRANCH EXCHANGE
		GALV.	GALVANIZED	PL.	PLATE
CEIL.	CEILING	GL.	GLASS	PLAS.	PLASTER
CEM.	CEMENT	GYP. BD.	GYPSUM BOARD	PORC.	PORCELAIN
CL.	CLEAR			P.E.	PORCELAIN ENAMEL
CLOS.	CLOSET			PR.	PAIR
COL.	COLUMN	HD.	HEAD	R.	RISER
COMPO.	COMPOSITION	H.C.B.	HOLLOW CONC. BLOCK	REINF.	REINFORCING
CONC.	CONCRETE	HORIZ.	HORIZONTAL	R.D.	ROOF DRAIN
CONT.	CONTINUOUS	H.R.C.	HOSE REEL CABINET	RM.	ROOM
CORR.	CORRIDOR				
CSK.	COUNTERSINK				
C.V.	CEILING VENT	I.D.	INSIDE DIAMETER	SECT.	SECTION
		INSPECT.	INSPECTOR	SERV.	SERVICE
DEPT.	DEPARTMENT	INFO.	INFORMATION	SHT.	SHEET
DET.	DETAIL			SPEC.	SPECIFICATION
DIM.	DIMENSION	JAN.	JANITOR	ST.	STEEL
DISPAT.	DISPATCHER			STD.	STANDARD
D.F.	DRINKING FOUNTAIN			ST. HWY.	STATE HIGHWAY
D.S. CLEAR	DOUBLE STRENGTH CLEAR	LAV.	LAVATORY	STRUCT.	STRUCTURAL
D.S.	DOWN SPOUT	L.P.	LOW POINT	S.S.	SERVICE SINK
DWGS.	DRAWINGS			S.	SINK
D.H.	DOUBLE HUNG (WINDOW)			T.& G.	TONGUE & GROOVE
DIM. PT.	DIMENSION POINT	MACH.	MACHINE	T.C.	TERRA COTTA
EA.	EACH	MAINT.	MAINTENANCE	TYP.	TYPICAL
ELEC.	ELECTRIC	MECH'L.	MECHANICAL	THR.	THRESHOLD
E.P.B.	ELEC. PANEL BOARD	MET.	METAL	T.	TREAD
ELEV.	ELEVATION	MEZZ.	MEZZANINE	VERT.	VERTICAL
ENAM.	ENAMELED	MFGRS.	MANUFACTURERS	VEST.	VESTIBULE
ENGR.	ENGINEER	M.S.	METAL STUD	V.B.	VENETIAN BLIND
EQUIP.	EQUIPMENT	MIN.	MINIMUM		
EXIST.	EXISTING	M.D.S.	METAL DIVIDING STRIP	WIN., W.	WINDOW
EXPAN.	EXPANSION	N.I.C.	NOT IN CONTRACT	WD.	WOOD
				WF.	WIDE FLANGE
				W.P.	WORKING POINT

SHEET TITLE — NUMBER

PLOT PLAN - ABBREVIATIONS - LEGEND - SYMBOLS - GENERAL NOTES - ETC. (1)
PLANS & DETAILS OF EXISTING ADMINISTRATION & SHOP BUILDING (2)
ELEVATIONS OF EXIST. ADMIN. BLDG. (3)
PLANS & ELEVATIONS OF 2 STORY ADDITION TO ADMINISTRATION BLDG. (4)
FLOOR PLANS - MAINTENANCE BLDG. (5)
ELEVATIONS - MAINTENANCE BLDG. (6)
PLANS - ELEVATIONS & DETAILS OF SERVICE STATION & OIL HOUSE (7)
STAIRS & MISC. DETAILS (8)
TOILET ROOMS & MISC. DETAILS (9)
DOOR - WINDOW & LOUVER SCHEDULE (10)

STAIR & EXPANSION JOINT DETAILS (D1)
EXTERIOR DOOR & WINDOW FRAMES (D2)
OBSERVATION TOWER & DISPATCHERS RM. (D3)
MISCELLANEOUS DETAILS (D4)
MISCELLANEOUS DETAILS (D5)

GENERAL NOTES

CONTRACTOR SHALL FURNISH AND INSTALL PROTECTIVE FENCING FOR ALL MECHANICAL EQUIPMENT INSTALLED OUTSIDE OF BUILDINGS UNTIL COMPLETION OF FINISH GRADING.
EXTERIOR DIMENSIONS ARE TO FACE OF CONCRETE, OR FACE OF STEEL GIRTS OR AS NOTED.
INTERIOR DIMENSIONS ARE TO FACE OF MASONRY OR ℄ OF METAL & WOOD STUDS.
MET. & WD. STUDS MAY STOP AT UNDERSIDE OF RD. STRIPPING OR MET. FURRING.
ALL PLASTER WORK SHALL BE APPLIED ON MET. LATH.
VENETIAN BLINDS SHALL BE PROVIDED WHERE CALLED FOR AS W.D. ON PLANS.
REPLACE ALL EXIST. D.S. SPLASH BLOCKS WITH NEW CONC. SPLASH BLOCKS

MICROFILMED AS BUILT

STAGE 2

THIS DRAWING IS HEREBY ACKNOWLEDGED TO BE PART OF THE PLANS REFERRED TO IN MY CONTRACT WITH THE STATE DEPARTMENT OF PUBLIC WORKS, DIVISION OF ARCHITECTURE.

DATE [redacted]

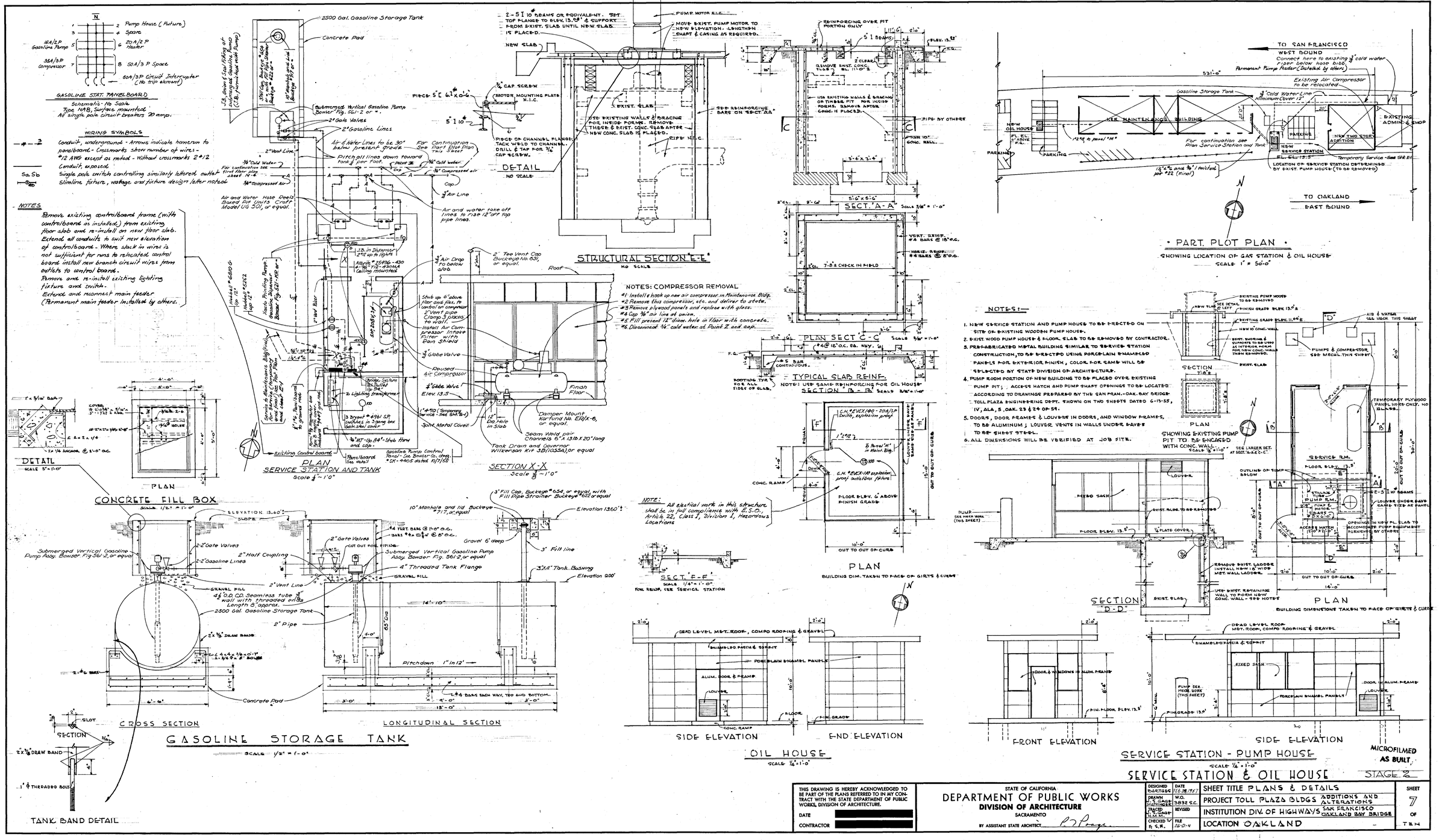
CONTRACTOR [redacted]

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
SACRAMENTO
BY ASSISTANT STATE ARCHITECT R. P. Gage

DESIGNED S. A. YATES	DATE 1-10-1957	SHEET TITLE PLOT PLAN, ABBREVIATIONS, LEGEND AND SYMBOLS, GENERAL NOTES, ETC.	SHEET 1 OF TEN
DRAWN GAGE	W.O. 38.3250	PROJECT TOLL PLAZA BLDGS. ADDITIONS AND ALTERATIONS	
TRACED —	REVISED	INSTITUTION DIV. OF HIGHWAYS SAN FRANCISCO OAKLAND BAY BRIDGE	
CHECKED V. F. S. M.	FILE 22-0-8	LOCATION OAKLAND	

AS BUILT 1962

A1-A2, T-10, D1-D6, S1-S20, M1-M9, E1-E6 - MEL


GASOLINE STAT. PANELBOARD
Schematic - No Scale
Type NAB, Surface mounted
All single pole circuit breakers 20 amp.
WIRING SYMBOLS
Conduit, underground - Arrows indicate homerun to panelboard - Crossmarks show number of wires - #12 AWG except as noted - Without crossmarks 2 #12
Conduit, exposed
Single pole switch controlling similarly lettered, outlet
Slimline fixture, wattage and fixture design letter noted
NOTES
Remove existing controlboard frame (with controlboard as installed) from existing floor slab and re-install on new floor slab.
Extend all conduits to suit new elevation of controlboard - Where slack in wires is not sufficient for runs to relocated control board install new branch circuit wires from outlets to control board.
Remove and re-install existing lighting fixture and switch.
Extended and reconnect main feeder (Permanent main feeder installed by others.
2500 Gal. Gasoline Storage Tank
Concrete Pad
Submerged Vertical Gasoline Pump Bowser Fig. 561-2 or #.
2" Gate Valves
2" Gasoline Lines
2" Vent Line
Air & Water Lines to be 30" below finished grade
Pitch all lines down toward tank 1/4" per foot.
Air and Water Hose Reels Boxed Off units Croft Model UG 201, or equal.
Air and water take off lines to rise 12" off top pipe lines.
Stub up 6" above floor and flex. to control on compressor
2" Vent pipe Clamp 3 pieces to wall.
Install Air Compressor Intake Filter with Rain Shield
Globe Valve
Housed Air Compressor
Gate Valve
Elev. 13.5
Spint Metal Cover
Damper Mount Hartford No. ED/X-6, or equal.
Seam Weld pair Channels 6" x 13 lb x 20' long
Tank Drain and Governor Wilkerson Kit 3B/1023A) or equal
Roof
Finish Floor
Existing Control board
Panelboard
Gasoline Pump Control Panel - See Bowser Co. dwg. #SK-4405 dated 11/7/52
PLAN
SERVICE STATION AND TANK
Scale 1/4" = 1'-0"
SECTION X-X
Scale 1/8" = 1'-0"
DETAIL
NO SCALE
STRUCTURAL SECTION "E-E"
NO SCALE
NOTES: COMPRESSOR REMOVAL
#1 Install & hook up new air compressor in Maintenance Bldg.
#2 Remove this compressor, etc. and deliver to state.
#3 Remove plywood panels and replace with glass.
#4 Cap 3/4" air line at union.
#5 Fill present 12" diam. hole in floor with concrete.
#6 Disconnect 3/4" cold water at Point Z and cap.
PLAN SECT C-C
Scale 3/8" = 1'-0"
TYPICAL SLAB REINF.
NOTE: USE SAME REINFORCING FOR OIL HOUSE
SECTION "B-B"
Scale 3/8" = 1'-0"
PLAN
BUILDING DIM. TAKEN TO FACE OF GIRTS & CURBS
NOTE: All electrical work in this structure shall be in full compliance with E.S.O., Article 22, Class I, Division 1, Hazardous Locations
SECT. "F-F"
Scale 1/4" = 1'-0"
FOR REINF. SEE SERVICE STATION
TO SAN FRANCISCO
WEST BOUND
Connect here to existing 3/4" cold water riser below hose bibb.
Permanent Pump Feeder (Installed by others)
Existing Air Compressor to be relocated
Gasoline Storage Tank
3/4" Cold Water Line Minimum Cover 12"
NEW MAINTENANCE BUILDING
NEW OIL HOUSE
PARKING
NEW SERVICE STATION
NEW TWO STORY ADDITION
EXISTING ADMIN. & SHOP
Temporary Service - See Sht. 8
LOCATION OF SERVICE STATION DETERMINED BY EXIST. PUMP HOUSE (TO BE REMOVED)
For continuation see Plan Service Station and Tank
TO OAKLAND
EAST BOUND
PART. PLOT PLAN
SHOWING LOCATION OF GAS STATION & OIL HOUSE
SCALE 1" = 50'-0"
NOTES:-
1. NEW SERVICE STATION AND PUMP HOUSE TO BE ERECTED ON SITE OF EXISTING WOODEN PUMP HOUSE.
2. EXIST. WOOD PUMP HOUSE & FLOOR SLAB TO BE REMOVED BY CONTRACTOR.
3. PREFABRICATED METAL BUILDING SIMILAR TO SERVICE STATION CONSTRUCTION, TO BE ERECTED USING PORCELAIN ENAMELED PANELS FOR EXTERIOR FINISH, COLOR FOR SAME WILL BE SELECTED BY STATE DIVISION OF ARCHITECTURE.
4. PUMP ROOM PORTION OF NEW BUILDING TO BE PLACED OVER EXISTING PUMP PIT; ACCESS HATCH AND PUMP SHAFT OPENINGS TO BE LOCATED ACCORDING TO DRAWINGS PREPARED BY THE SAN FRAN.-OAK. BAY BRIDGE TOLL PLAZA ENGINEERING DEPT. SHOWN ON TWO SHEETS DATED 6-13-55, IV, ALA, 5, OAK. 23 & 24 OF 59.
5. DOORS, DOOR FRAMES & LOUVERS IN DOORS, AND WINDOW FRAMES, TO BE ALUMINUM; LOUVER VENTS IN WALLS UNDER EAVES TO BE SHEET STEEL.
6. ALL DIMENSIONS WILL BE VERIFIED AT JOB SITE.
SECTION
PLAN
SHOWING EXISTING PUMP PIT TO BE ENCASED WITH CONC. WALL
SERVICE RM.
PUMP RM.
PLAN
BUILDING DIMENSIONS TAKEN TO FACE OF GIRTS & CURBS
SECTION D-D
FRONT ELEVATION
SIDE ELEVATION
SERVICE STATION - PUMP HOUSE
Scale 1/4" = 1'-0"
DEAD LEVEL MET. ROOF, COMPO ROOFING & GRAVEL
ENAMELED FASCIA & SOFFIT
PORCELAIN ENAMEL PANELS
ALUM. DOOR & FRAME
LOUVER
SIDE ELEVATION
END ELEVATION
OIL HOUSE
Scale 1/4" = 1'-0"
CONCRETE FILL BOX
Scale 1/2" = 1'-0"
CROSS SECTION
LONGITUDINAL SECTION
GASOLINE STORAGE TANK
Scale 1/2" = 1'-0"
Submerged Vertical Gasoline Pump Assy. Bowser Fig. 561-2, or equal
2" Gate Valves
2" Gasoline Lines
2" Vent Line
2" Half Coupling
Gravel 6" deep
3" Fill line
2500 Gal. Gasoline Storage Tank
2" Pipe
Pitch down 1" in 12'
Concrete Pad
TANK BAND DETAIL
SECTION
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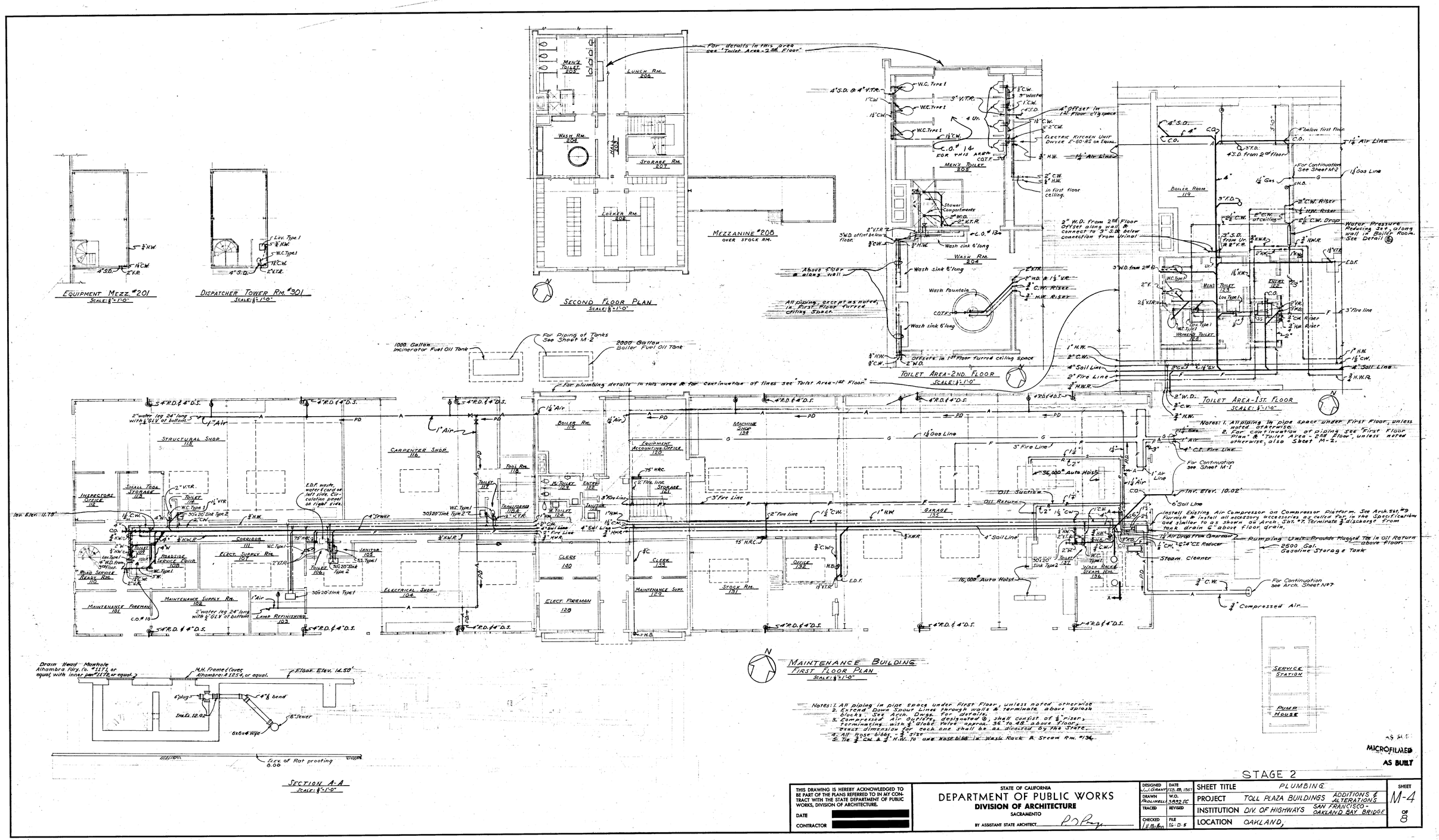
DATE
CONTRACTOR
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
SACRAMENTO
BY ASSISTANT STATE ARCHITECT
DESIGNED
DRAWN
TRACED
CHECKED
DATE
W.O.
REVISED
FILE
SHEET TITLE PLANS & DETAILS
PROJECT TOLL PLAZA BLDGS ADDITIONS AND ALTERATIONS
INSTITUTION DIV. OF HIGHWAYS SAN FRANCISCO OAKLAND BAY BRIDGE
LOCATION OAKLAND
SHEET 7 OF TEN
MICROFILMED AS BUILT
STAGE 2
SERVICE STATION & OIL HOUSE



MICROFILMED AS BUILT

STAGE 2

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DATE [redacted]

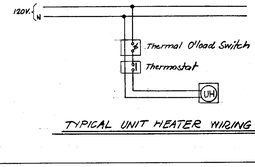
CONTRACTOR [redacted]

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
SACRAMENTO
BY ASSISTANT STATE ARCHITECT

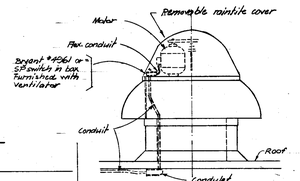
DESIGNED J.J. GRANT	DATE FEB. 28, 1961	SHEET TITLE	PLUMBING
DRAWN ARCHIVELA	W.O. 3652.5C	PROJECT	TOLL PLAZA BUILDINGS ADDITIONS & ALTERATIONS
TRACED	REVISED	INSTITUTION	DIV. OF HIGHWAYS SAN FRANCISCO-OAKLAND BAY BRIDGE
CHECKED H.H. Mellon	FILE 14-D-5	LOCATION	OAKLAND,

SHEET M-4 OF 8

Removable beam (shown in place), 3"I 7.5#, 43" long for Telephone compartment; 55" for power.
TELEPHONE COMPARTMENT
PRIMARY & 120V. COMPARTMENT
Slots & R.W boards to receive conduits from Bldg- dimensions as noted.
All #4 bars @ 12" c.to c.
Ties
Recess for "I" beam - 2¾"x 3¼"x 3"deep
PLAN (COVER REMOVED)
Scale ½"=1'-0"
⅛" Clear
⅜" Checker Plate Finish with Aluminum Paint
½" Holes
PLAN - ½ COVER
Top of cover flush with sidewalk for PB-a
Fin. grade
Elev.-same as ℄ of conduits in Bldg. Under floor Space.
℄-slot
Pull-in iron near center-each hole.
Two-1" weep holes
2"x12"x35" Redwood boards
Toward Bldg.
12" dia. x 2'-0" terra cotta pipe. Fill with 18" crushed rock
Pitch floor to drain
SECTION A
Scale ½"=1'-0"
PULLBOX CONSTRUCTION DETAILS
Scale - As noted.
Notes:- 1. Drawn for Pullhole "PB-a", "PB-b" similar except opposite hand
2. Pullhole "PB-6a" Similar except it is single compartment having inside dimensions of 48"x48", all walls 6" thick.
3. Refer to "Pullhole Floor Plans" for individual pullhole conduit & hardware requirements.
4. Slots for entrance of conduits shall be placed a min. of 6" apart & shall be a min. of 4" from corner. Otherwise their position may be adjusted to suit requirements.
5. For pull-in irons see Pullhole Floor Plans.
6. PB-a & PB-b, PB-2 & PB-5 --- Finish top to conform to slope of sidewalk
⅛" plate-both ends
5/8"x 1½"x ¾" Stop block
PLAN-CLAMP CLOSED
PLAN - CLAMP OPENED
Cover
⅜" Mach bolt, cadmium plated. Flatten end threads so bolt cannot be removed.
#4 bar
SECTION B
COVER CLAMP DETAIL
Scale- 3"=1'-0"
Note.- All parts except bolt shall be hot dipped galvanized after fabrication.
2-3" conduits
2½" - 1-25 conductor up to Rm. 201
To Exist Pullhole PB-6.
Cable racks
To Shops Unit Equipment Rm.
2½" conduit stub-12" inside bldg., cap
Pulling irons
PLAN
Loop cables in vertical plane (Typical for all cables-all pullholes)
SECTION C
PULLHOLE Nº PB6a.
2" (To just clear redwood)
To Garage Unit, etc.
Wall of Building
PULLHOLE Nº PB-b
Note.- Hardware, cable, etc., same as shown for Pullhole PB-a.
2" MT, P.T.&T. Co.
2" - 21 pair - Bridge Tel.
To Add'n to Adm. Bldg.
Pulling iron
Cable racks
1"-3#6, Standby Power
1"-3#10, F.A.
1"-3#12-, clock
1"-2#10, Paging.
3"-3#6, 5kV. Primary.
PULLHOLE Nº PB-a
PULLHOLE FLOOR PLANS
Approx. Scale ¼"=1'-0"
Notes.- 1. Pulling irons shall be Line Material Nº 885017R2, or equal, installed approx. 8" below conduit entrance.
2. Cable Racks shall be Line Material #336009R4 back complete with #336008R hooks of size & number as required, or equal combination.
3. Cables shall have full vertical loop as indicated for PB6a.
LIST of WORK ITEMS
⚠1 Install new conduits & cables PB1 to PB2 & PB4 to PB5 and temporary service to Gas Station. Remove existing conduits between above PB's. (See detail this sheet)
⚠2 Install conduits, cables, wires, P.B's., J.B's, etc., as shown on Plan & as follows:
1-3"-3#6, 5kV. "Super Coronol" or equal, (shielded) from exist. O.C.B. #6 on primary main switchboard to OFC assembly in Transformer Rm., Shops Unit. Ground Stress cones at Shops Unit only.
On secondary Main Sw. board install in space provided for one-750A./3P "K" frame circuit breaker. Install one-2½"4#⁰/₀ from circuit breaker to panel "A1" in new Addition to Administration Bldg.
One-1½"4#6 from Standby Generator Distribution Panel to Panel "ES" in Shops Unit.
One 1½"4#12 and 6#8 from new JB in exist. Adm. Bldg. to JB in underfloor space Maintenance Unit, thence 1¼" 6#8 to Autocall JB in Electr. Shop and 3/4" 4#12 to F.A. box in Rm. 121 of Maint. Unit. (See schematic sheet E-6)
One 1" 6#12 from P.A. relays to JB under new Adm. Bldg., thence 4#12 to relocated P.A. master and 1" 2#12 to Maintenance Unit (See schematic sheet E-6)
One 1" 3#10 & 3#12 from Clock Distrib. Panel and Master in exist. Adm. Bldg. to JB under new Adm. Bldg. thence 1" 3#10 to new Clock Distrib. Panel in Rm. 121 of new Maintenance Unit (See schematic sheet E-6)
One 2"-51 pr. from control board telephone rack to selector and 2"-51 pr. from selector to Bridge System cabinet in Addition to Admin. Bldg. One 2"-26 pr. from Selector to Bridge System Tel. Cabinet in Admin. Unit of Maint Bldg.
One 2" MT from P.T.&T. Main Term. Cab. in Admin. Bldg. to P.T.&T. cabinet in Addition to Admin. Bldg. One 2" MT from P.T.&T. cabinet in Addition to Admin Bldg to P.T.&T. cabinet in Admin. Unit of Maint Bldg.
New Sidewalk
Re-install existing cover complete with all related anchors, beam & supports
Finish top to conform to slope of sidewalk
Extend Pullhole walls as shown
PLAN
1st floor
Finish grade
Existing grade
Clean and grout to tie new concrete to existing
Existing reinf.
#4 bars 12" o.c. both ways- Weld to exist reinforcing steel
Break 3" off top of existing conc. & extend to suit new finish grades
SECTION "E-E"
DETAIL - REBUILDING of EXISTING PULL BOXES PB2 & PB5
Approx Scale: ⅜"=1'-0"
G.E. Co. #9F2K5, oil fuse cutout assembly, fuse 50A.
G.E. Co Type HST (pyranol) 112½ kVA, 3ϕ, 4160Δ-120/208V. Y
2"x2"x¼" ∠
Bushing enclosure with screw-on cover
½"-1#6 to ground rod below (See Specs.) Equipment & stress cone ground
1½" dia. pipe supports, standard floor flanges both ends.
ELEVATION "C-C"
Vent to under floor space (See Architectural Plans)
2"3#6, 5kV.
3½"- 4#500MCM
PANEL "M"
Condulet
½"-1#6 to ground rod below, System ground.
FLOOR PLAN - TRANSFORMER RM.
SCALE : ¼"=1'-0"
(SHOPS UNIT, RM. # 118)
Note.- Entire transformer installation completely metal enclosed.
12" offset in vertical plane as shown and 3" offset in horizontal plane
7"± clear
Wall of new Add'n. to Adm. Bldg
Wall of exist. Adm. Bldg. Annex
1st floor
12"x30" opening in new wall.
36"±
Kindorf hanger
Sealtite flex
Conduit
O.Z. Type AX expansion fitting
12ga. galv. steel plate secured to new wall with ⅜" galv. bolts in expansion shields.
Seal holes in wall after installation of conduit.
12ga. galv. steel plate secured to conduit only (with conduit locknuts) tight against new wall. 1/16" neoprene gasket between wall & steel cover
DETAIL "A-A"
SHOWING METHOD of CONDUIT INSTALLATION AT EXPANSION JOINT
Scale.- ½"=1'-0" (Approx)
D-155 concrete insert
H-190 Hanger Rod, ½" dia.
15'-0" to North foundation wall.
℄ of hanger
Dashed lines indicate wall openings See Structural Dwgs.
C-105 strap-all conduits
3" Min Clear
B-905 channel
30"
Conduit Schedule.-
#1. 3"-3#6, 5kV., primary feeder.
#2. 2½"-4#⁰/₀, Secondary feeder to panel "M"; Add'n. to Adm. Bldg.
#3. 1"-6#12, Paging System.
#4. 1"-3#10 & 3#12 - Clock System.
#5. 1½"-4#12 & 6#8, Bldg & Bridge F.A. System & Tow Car Service.
#6. 1½"-4#6 Stand by feeder to Radio.
#7. 2"-26 pr. Selector Term. Box to Term. Box in Adm. Unit, Maint. Bldg.
#8 2"-51 pr. Selector Terminal Box to Term. Box in Add'n. to Adm. Bldg.
#9 2"-MT - P.T.&T. System Main to Term. Cab. in Addition to Admin Bldg.
DETAIL - CONDUIT HANGER UNDER ADD'N. TO ADM. BLDG. (SECTION "BB")
Scale.- 1½"=1'-0"
Notes.- 1. All part numbers shown are Kindorf, or equal.
2. Space hangers approx. 96" apart.
3. Hangers under Adm. Bldg. Annex, Garage, Adm. & Shops Unit similar except conduit as required & hanger rod & channel to suit.
Approx. line of future area grade
For rebuilding of PB2 & PB5 to suit new sidewalk & area grades, see detail.
Elev.-top existing P.B. 12.57'
Fin. Elev. new sidewalk, 14.0'± (Varies)
Fin. Floor-Add'n. to Adm. Bldg, 14.5'
Approx. line of existing area grade
PB2 See detail
New conduit 30" approx. below NEW finish grade Cut hole in Pullhole wall for conduit and grout.
PB4
SECTIONAL ELEVATION "B-B"
2" PT&T
2½" 4#2/0
5" dia. Pipe Sleeves thru walls
2" Bridge Tel. System
9¼" 2'-6" 3'-9"±
SECTIONAL VIEW "D-D"
No Scale
Showing conduit installation thru foundation walls
List of cables in duct #1:
Cable #1 - 7#8 & 17#16
Cable #2 - 19 pr. #16
Cable #3, 4 & 5 - 37 #16
Cable in duct #2:
1-25 conductor consisting of 4#16 plus 9#16 and 12#10 (Lower deck traffic control)
Up to Bridge Tel. Syst. Cabinet
Up to Panel "A1"
Up to P.T.&T. Cabinet
Up to Paging Master
Up to PBX Board
1½" MT
Sidewalk
Exist. 5" dia. conduit Duct #1 See list of cables
See detail for rebuilding of PB-2 & PB-5
PB5
Exist. 1-25 in 5" dia. conduit. Duct #2 See List
Cut & Cap
1" 4#10 Temporary service to gas station
Foundation outline of Two-Story Addition to Adm. Bldg.
Remove existing conduits & cables after installation of new conduit & cables
Exist. Service to Compressor. Compressor to be Removed.
Existing Home Run to NP-19 ¾" conduit with 3#12 - Remove 3#12 & install 4#10
Cut existing conduit. Install J.B. and new 1" conduit to PB-1 - Install 4#10 from J.B. to Panelboard in Gas Station
1"-4#10
To Equipment in Relay Rm.
To 5kV. O.C.B. on Primary Switchboard.
EXIST. ADM. ANNEX
Exist. 4" MT
PB2
Exist. 4#⁰/₀, 5kV, in 4" conduit
New - 5 cables as listed for duct #1
New 1-25
New 4#⁰/₀, 5kV.
New 4" MT (To take temporary service to gas station)
FOR CABLE DESCRIPTION & SPLICING REQUIREMENTS SEE SPECIFICATIONS
15'-0" Min.
PB4
PB1
4#10
Cut 12"± beyond all PB's & cap (weld) watertight
36" min. radius conduit bends
3" Min between conduits
Install four- 4" G.I. conduits 30" approx. below finish grade. Install new cables & splice in pull boxes to existing cables.
ALL NEW CONDUIT "POLYKEN" OR EQUAL, WRAPPED (SEE SPECIFICATIONS)
PLAN
Scale: ⅛"=1'-0"
⚠1 - REROUTING of CONDUITS & CABLES PB1 to PB2 & PB4 to PB5 AND TEMPORARY SERVICE TO GASOLINE STATION.
Exist. Electrolier "EL-1" To be raised to new fin. grade 4"± (See Spec's.)
C.O. #4
2½"- One 25 conductor up to Arrestor Cabinet in Rm 201.
Conduits in underfloor space on hangers below beams
Oil & Gas House See arch. sheet 7
SERVICE PARKING
Up to Rm. 201
Up to Rm. 301
Transformer Room, See Detail.
SHOPS UNIT
Panel "ES"
¾" 3#10
C-28
1"2#12
¾"3#12 to Dispatchers Rm.
ADMIN. UNIT
Up-See E3
1½"4#6
1½" 6#8
3-3#6, 5kV.
J. box
GARAGE UNIT
Conduits per Work Item ⚠2
PB-b, See Detail
Conduits 30" below fin. grade
PB-6a See detail
PB6
PB3
Two 3" conduits PB-6 to PB-6a (One MT & one with 25 conductor cable) Splice in PB6 N.I.C.
Exist. Electrolier "EL-2" To be raised 9"± (See Spec's.)
Gas storage tank.
PARKING
PBX Rm.
GAS STATION
PUMP HOUSE (See sheet 7)
¾" 1TP (Tel)
1½" 4#6 (Final Service)
1"-4#10 Temporary Service
Conduits per Work Item ⚠2 Approx. 24" below exist. grade. Route clear of gas storage tank.
Tel. Line to Bridge
Refer "Detail-Conduit Hanger --- etc." this Sheet for conduit & conductor sizes, arrangement & supporting.
Support conduits under Annex similar to detail shown for Add'n. Hang the 3" primary conduit as req'd. Exact arrangements to suit conditions on the job
Cut opening in wall to suit & finish tight around all conduits.
PB-a, See Detail
2" MT
2"26 pr.
ADDITION TO ADMINISTRATION BLDG.
Conduits up per Work Item ⚠2
ADMIN. BLDG ANNEX
Storage Battery Rm.
New Selector Board
2"-51 Pr.
ADMINISTRATION BLDG.
J. Box
Exist. F.A. System Trip Panel and Transmitter
Clock Control Panel.
PUBLIC PARKING
CAL. HIGHWAY PATROL ANNEX
PB5 PB2 PB4 PB1
Control Board Tel. Rack (on 1st Floor)
F.A. system Master Cabinet
See Detail
PB-1 & PB-4 -- Extend walls up for cover to set flush with new finished grade
SEE C.O. # 12
Stand-by Generator Distribution Panel.
P.T.&T. Main Terminal Cabinet.
Lane Terminal Cabinet
South Cable Sub-Terminal Cabinet
Secondary Main Switchboard.
To Paging Relays (In Bottom section of Secondary Switchboard)
Primary Switch board
Substation Nº5
PLOT PLAN
Scale 1"=40'
Notes.- 1. Existing Pull Boxes are numbered PB1 thru PB-6
2. Existing conduit lines underground & under buildings shown in dashed lines.
3. New Pull Boxes are numbered PB-a, PB-b & PB-6a.
4. New conduit lines underground & under buildings are shown in solid lines,
5. ⚠1, ⚠2 Denotes Work Item, see list of Work Items this Sheet.
6. For conduits, Junction Boxes etc. for F.A. & Paging System see diagram sheet E-6
MICROFILMED
AS BUILT
STAGE 2
THIS DRAWING IS HEREBY ACKNOWLEDGED TO BE PART OF THE PLANS REFERRED TO IN MY CONTRACT WITH THE STATE DEPARTMENT OF PUBLIC WORKS, DIVISION OF ARCHITECTURE.
DATE [redacted]
CONTRACTOR [redacted]
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
SACRAMENTO
BY ASSISTANT STATE ARCHITECT
DESIGNED O.R. LIRSCH
DATE FEB. 28, 1957
DRAWN D.G. BATES
W.O. 3832 SC
TRACED D.G. Bates
REVISED
CHECKED S.R. DAVIES
FILE 26-D-5
SHEET TITLE PLOT PLAN & SERVICES
PROJECT TOLL PLAZA BUILDINGS ADDITIONS AND ALTERATIONS
INSTITUTION DIVISION OF HIGHWAYS SAN FRANCISCO OAKLAND BAY BRIDGE
LOCATION OAKLAND,
SHEET E1 OF SIX



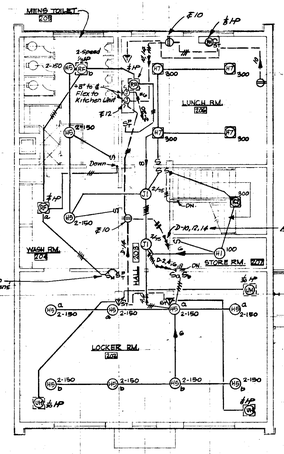
TYPICAL UNIT HEATER WIRING DIAGRAM

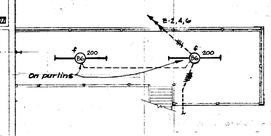


TYPICAL ROOF FAN

No Scale

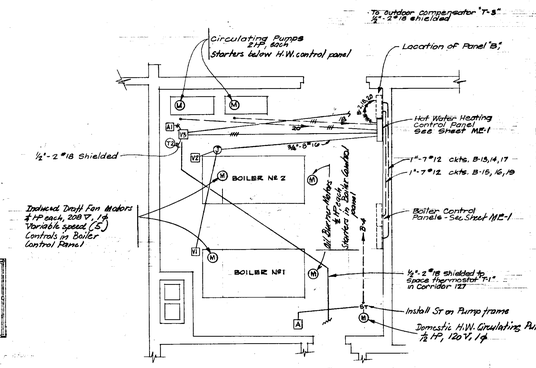
For roof fans without cover, unit shall be furnished with raintite switch in PS conduitch





MEZZANINE #206

OVER STOCK ROOM



BOILER ROOM #119

SCALE: ¼" = 1'-0"

All motors 208V, 3φ except as noted. - Stub up at locations shown and flex to motors (or control devices). Stub up locations as shown are approximate only.
Wiring to Induced Draft Fan motors and to Oil Burner motors from Boiler Control Panels by mechanical contractor.

→ For Control Wiring Diagrams See Sheet ME-1 ←

WIRING SYMBOLS

- Conduit, concealed - Arrows indicate home runs to Panelboard - Crossmarks show number of wires (#12 except as noted) - Without crossmarks 2-#12
- Conduit in or under floor
- Conduit exposed
- (A) Fixture outlet, incandescent, with design symbol and wattage
- Recessed incandescent fixture outlet
- Fixture outlet, slimline or fluorescent — Fixture outlet, Fluorescent, Recessed
- Junction box
- PBE Pushbutton Station
- PB-b etc. Pull box
- Motor outlet
- Unit heater — Force flow heater
- Unit ventilator or fan — Roof fan
- S Single pole tumbler switch
- S_a, S_b Switch controlling similarly lettered outlet
- S_T Thermal overload switch - S_T Thermal overload sw. with pilot light.
- S_3 3 way switch — S_4 4 way switch
- S_M Multi-speed switch for roof fan. (Furnished in Mechanical work)
- S_{WP} Weatherproof switch
- Duplex convenience outlet — Duplex convenience outlet, weatherproof
- Welder outlet (See specs.)
- Heavy duty outlet (See specs)
- Thermostat — A Aquastat — V Control Valve
- Panelboard
- X.O. Safety Switch
- Magnetic Starter
- Combination Magnetic Starter
- N.F. Non Fused
- MT Empty
- # Circuit
- or = Or equal
- Expansion fitting. — Expansion Bend.
- Time Switch
- PBp Pushbutton Station with pilot light. — N.I.C. - Not in this Contract

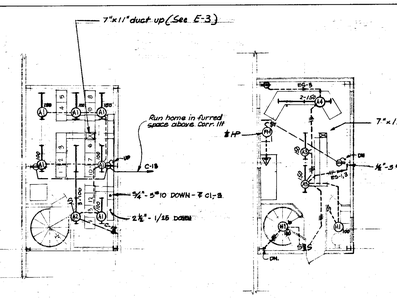
SYMBOLS FOR REWIRING EXISTING BLDG.

- Existing conduit to remain
- Existing incandescent fixture to remain
- Existing fluorescent fixture to remain
- Existing incandescent fixture - Remove or abandon
- Existing conduit - Remove or abandon
- Existing motor control
- Existing raceway outlet (See Sheet E-5)
- N.C. No Change

SYMBOLS FOR SIGNAL & COMMUNICATIONS

- Telephone Outlet - bridge system - up 12" except as noted.
- Telephone Outlet - P.T. & T. system - up 12" except as noted.
- Fire Alarm Station (Surface mounted, or recessed - See Specs.)
- Fire Alarm Station with gong above (gong up 96")
- Paging System Outlet, Bell — Paging System Outlet, chime
- Clock Outlet
- Existing Flasher
- Home Run to similarly numbered main tel. or signal cabinet.

5 T.P. etc. 5 Twisted Pair (All #22 ga.)



EQUIPMENT MEZZ. #201

SCALE: ¼" = 1'-0"

(Fixtures type W12 ceiling mounted)

DISPATCHERS TOWER RM. #301

SCALE: ⅛" = 1'-0"

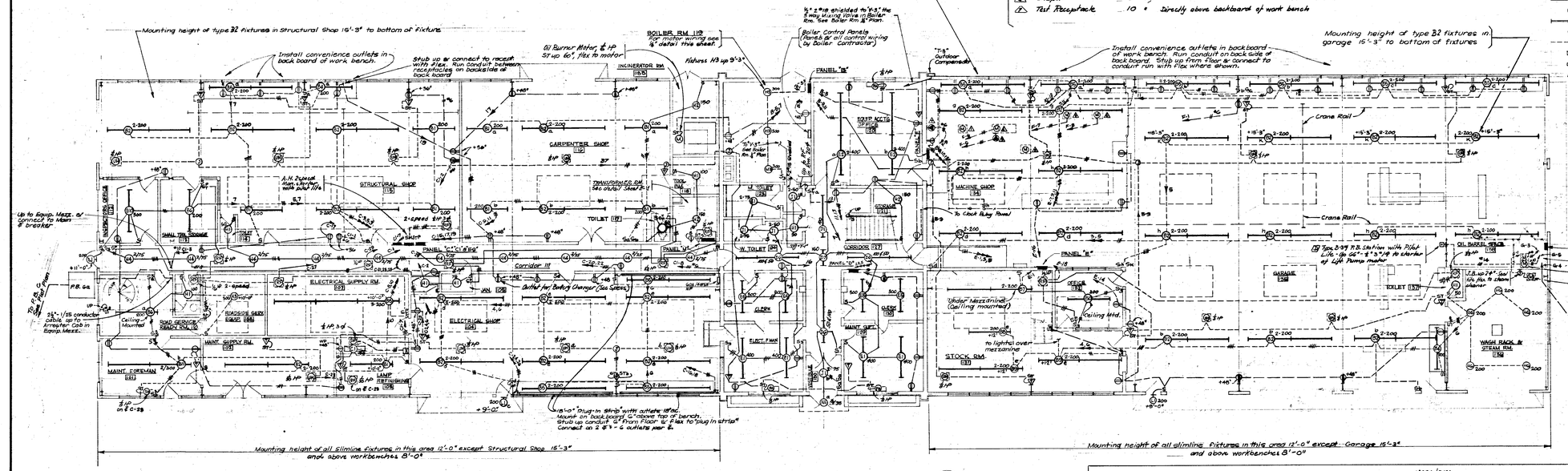
(Fixture type W15 ceiling mounted)

FOR DETAILS OF EQUIPMENT RM. & DISPATCHERS R.M. SEE SHEETS E-3 & E-4 AND SPECIFICATIONS.

SECOND FLOOR PLAN

SCALE: ⅛" = 1'-0"

List of Machine Tools (all 208 V, 3φ)			
Milling	(Future)	3 HP	E-Str. only - No branch & runs
Grinder	"	3 "	
Hacksaw		1 "	Install outlet on Lathe as directed
Lathe		3 "	Stub up 6" above floor & terminate in 4" box with (2') long coiled wire ends flex. to machines by others.
Drill Press		1 "	
Shaper		5 "	
Test Receptacle		10 "	Directly above backboard of work bench

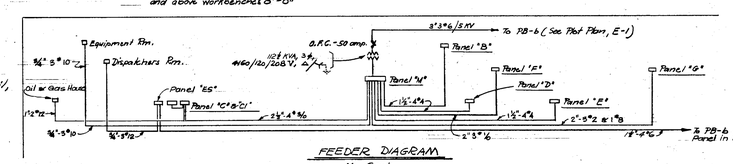


FIRST FLOOR PLAN

SCALE: ⅛" = 1'-0"

GENERAL NOTES: All Unit Heaters, Force-Flow Heaters, Fans & Unit Ventilators 120 Volt, 1φ except as noted. HP ratings shown at units. All Unit Ventilators and Fans installed on roof with disconnect as shown in typical detail, this sheet. All Thermostats up 66" with St 6" above Thermostats where shown mounted at Thermostats. For exact locations of all Unit Heaters, Fans and Ventilators see mechanical drawings.

→ For Panelboard details see sheet E-4 ←
For communication and signal wiring, see sheet E-3
→ For underfloor lighting see E-3 ←



FEEDER DIAGRAM

No Scale

→ For panelboard details see sheet E-4 ←

STAGE 2 SEE C.O. #16 IN THIS SHEET

AS BUILT

MICROFILMED

THIS DRAWING IS HEREBY ACKNOWLEDGED TO BE PART OF THE PLANS REFERRED TO IN MY CONTRACT WITH THE STATE DEPARTMENT OF PUBLIC WORKS, DIVISION OF ARCHITECTURE.

DATE [redacted]

CONTRACTOR [redacted]

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
SACRAMENTO

BY ASSISTANT STATE ARCHITECT

DESIGNED O.R. LIRSCH	DATE F.E.B. 28 1957	SHEET TITLE MAINTENANCE BLDG. - LIGHT & POWER	SHEET E2
DRAWN W.C. SANTELL	W.O. 5892 SC	PROJECT TOLL PLAZA BUILDINGS - ADDITIONS AND ALTERATIONS	OF SIX
TRACED W.C. SANTELL	REVISED	INSTITUTION DIVISION OF HIGHWAYS SAN FRANCISCO OAKLAND BAY BRIDGE	
CHECKED SATTERWHITE	FILE SC-D-5	LOCATION OAKLAND,	