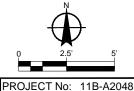


Explanation

Lead-based Paint on Stucco

Lead-contianing Ceramic Wall Ties (from ground level up to six feet)





Du Pont Courts 351 30th Avenue San Francisco, California

SHEET NO: 1 of 1
DRAWN BY: Keith
DATE: 09-26-2012
REVIEWED BY:
DATE:

Hazardous Material Removal

GENERAL NOTES

ALL WORK SHALL BE COMPLETED IN A THOROUGH AND WORKMANLIKE

ALL WORK TO BE PERFORMED SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES OF GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE PROJECT.

PROTECT ALL UTILITIES, IMPROVEMENTS AND STRUCTURES AND RESTORE TO NEW CONDITION AT NO ADDITIONAL COST TO THE CITY IF DAMAGED DURING THE COURSE OF WORK.

COORDINATE ALL WORK TO PREVENT CONFLICTS BETWEEN TRADES AND REPORT CONFLICTS OR INCONGRUITIES BETWEEN NEW IMPROVEMENTS AND/OR EXISTING FACILITIES TO THE CITY REPRESENTATIVE IMMEDIATELY.

THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND INSTALLATION OF ALL PLUMBING AND ELECTRICAL ITEMS TO BE INSTALLED AS A PART OF THIS WORK.

CLEAR AND REMOVE ALL ORGANIC MATTER, DEBRIS AND RUBBISH FROM WITHIN THE LIMIT OF WORK. CONTRACTOR SHALL DISPOSE OF SAID MATERIAL IN A LEGAL MANNER AS HIS PROPERTY.

IN ADDITION TO THESE DRAWINGS, REFER TO CCSF STANDARD SPECIFICATIONS.

DEMOLITION NOTES

CONTRACTOR SHALL PROVIDE PROTECTION AND REGULAR IRRIGATION WATER FOR ALL EXISTING PLANT MATERIAL TO REMAIN FOR THE ENTIRE DURATION OF THE PROJECT.

PROTECT ALL EXISTING TREES AND OTHER SITE ELEMENTS DESIGNATED TO REMAIN.

HAND EXCAVATE AROUND DRIP LINE OF TREES; CONTACT RECREATION PARK URBAN FORESTRY (415) 753-7041 TO ASSESS TREE PRIOR TO CUTTING ANY ROOTS OVER 1" DIA.

SAWCUT (E) PAVING AT CONTROL JOINTS TO FULL DEPTH IN A STRAIGHT, PLUMB AND CLEAN MANNER.

PROVIDE CONSTRUCTION FENCING AT ALL PROPERTY LINES TO PREVENT PUBLIC ACCESS THROUGHOUT CONSTRUCTION PERIOD. SEE SPEC FOR ADDITIONAL INFORMATION.

ALL MATERIALS NOTED TO BE DEMOLISHED AND REMOVED SHALL BE DISPOSED OF IN A LEGAL MANNER AS CONTRACTOR'S PROPERTY.

LAYOUT NOTES

VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE CITY REPRESENTATIVE PRIOR TO PROCEEDING.

WRITTEN DIMENSIONS ON DRAWINGS SUPERSEDE SCALE DIMENSIONS.

ALL DIMENSIONS ARE TO BE MEASURED HORIZONTALLY.

VERIFY LOCATION AND ELEVATIONS OF UTILITY VAULTS AND OTHER COVERS AND REPORT ANY CONFLICTS OR DISCREPANCIES TO THE CITY REPRESENTATIVE.

PLACE EXPANSION JOINTS WHERE ALL HORIZONTAL PAVING ABUTS A VERTICAL SURFACE AND AS SHOWN ON PLANS, JOINTS SHALL BE 3/8" PRE-MOLDED ASPHALTIC FIBER MATERIAL.

THE CONTRACTOR SHALL STAKE ALL PAVED AREAS AND FOOTINGS FOR REVIEW BY THE CITY REPRESENTATIVE BEFORE FINAL CONSTRUCTION.

GRADING NOTES

VERIFY ALL GRADES IN THE FIELD BEFORE PROCEEDING WITH WORK, INCLUDING EXISTING IMPROVEMENTS; LOCATIONS AND ELEVATIONS OF AREA DRAINS.

EXISTING GRADES SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED. ALL DISCREPANCIES SHALL BE REPORTED TO THE CITY REPRESENTATIVE IMMEDIATELY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE SURFACE DRAINAGE IN ALL PAVING AND PLANTING AREAS. ALL GROUND SURFACES SHALL BE FINISHED TO A SMOOTH AND CONTINUOUS GRADE, DRAINING PROPERLY AND FREE OF STANDING WATER.

PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW GRADES IN PLANTING AREAS. WHERE NEW PAVEMENT ABUTS NEW PAVEMENT, FINISH GRADES SHALL BE FLUSH, UNLESS OTHERWISE NOTED. EASE TOP AND TOE OF ALL SLOPES TO PROVIDE SMOOTH TRANSACTIONS BETWEEN GROUND PLANES.

THE CITY REPRESENTATIVE RESERVES THE RIGHT TO MAKE ADJUSTMENTS IN THE FINISHED GRADES AS THE WORK PROGRESSES.

ELEVATIONS ARE BASED ON CITY AND COUNTY OF SAN FRANCISCO DATUM, UNLESS OTHERWISE NOTED.

PLANTING NOTES

ALL LANDSCAPE AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED.

SEE STANDARD SPECIFICATIONS, SECTION 1009 "PLANTING", FOR RESTORATION OF EXISTING LANDSCAPE.

SITE METAL WORK NOTES

SUBMIT SHOP DRAWINGS FOR ALL METAL WORK.

ALL MEMBERS TO BE STRUCTURAL STEEL GALVANIZED SIZE AND TYPE AS INDICATED ON DETAIL DRAWINGS.

SHOP ASSEMBLY, WITH FULL DEPTH WELDS, TYPE "FILLET WELD" CONTINUOUS, GRIND SMOOTH.

HOT DIP GALVANIZE ALL MEMBERS PER SPECIFICATIONS.

ABBREVIATIONS

EXISTING

EXPANSION JOINT

FINISH GRADE

FLOW LINE

GALVANIZED

FOOTING

JOINT

L.O.W. LIMIT OF WORK

MAXIMUM

MINIMUM

MANHOLE

NOT IN CONTRACT

NO KNOWN EQUAL

OUTSIDE DIAMETER PLANTING AREA

REPRESENTATIVE, CITY

SFDPW SAN FRANCISCO DEPARTMENT OF

NEW

N.T.S. NOT TO SCALE

RADIUS

SIMILAR

SPECS SPECIFICATIONS

STREET

STR. STRUCTURAL

SYMB. SYMBOL

TYP. TYPICAL

W/ WITH

REQ'D REQUIRED

ON CENTER

STORM DRAIN

SCORE JOINT

PUBLIC WORKS

STANDARD PLAN

FLUSH OR ALIGNED

U.O.N. UNLESS OTHERWISE NOTED

NO., # NUMBER

EACH

EQUAL

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EQ

CCSF CITY & COUNTY OF SAN FRANCISCO L-0.1CENTER LINE L-1.0CATCH BASIN CLR. CLEAR L-1.1 CONC. CONCRETE L-2.0CONTINUOUS CONTROL JOINT L - 3.0DIA., Ø DIAMETER L-4.0DRAWING

DRAWING INDEX

DRAWING INDEX, NOTES & ABBREVIATIONS EXISTING CONDITIONS AND DEMOLITION PLAN ACCESSIBILITY PLAN LAYOUT PLAN GRADING PLAN PLANTING PLAN L-5.0 to L-5.3 CONSTRUCTION DETAILS

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO

Fuad S. Sweiss - City Engineer

BUILDING DESIGN &

CONSTRUCTION

Architecture • Construction Tara D. Lamont - Acting Deputy Division Manager 30 Van Ness Avenue Suite 4100 San Francisco, CA (415) 557-4700 94102-6028 Fax (415) 5574701

2008 PARK BOND RESTROOM REPLACEMENT PROJECT CONTEMPORARY DESIGN

MARGARET DUPONT PARK 349 30th Ave. San Francisco, CA 94121 Block No.1403 - Lot No. 007

BID SET

Consultant

No. Date Revisions

Section Head Proj. Mgr. Proj. Arch. Drawn EB 08/2012

Drawing Title

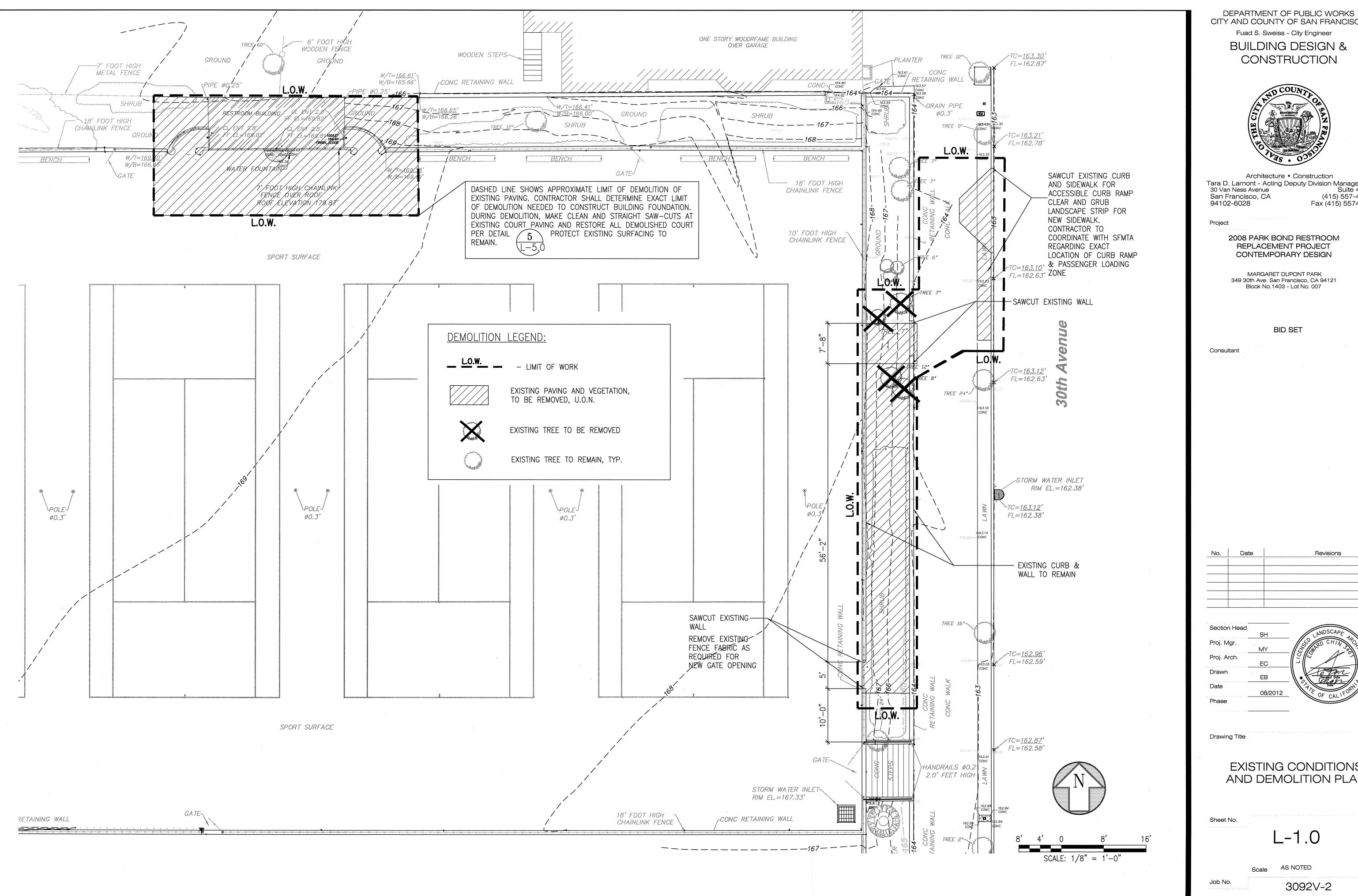
DRAWING INDEX **NOTES & ABBREVIATIONS**

Sheet No.

L-0.1

Job No.

3092V-2



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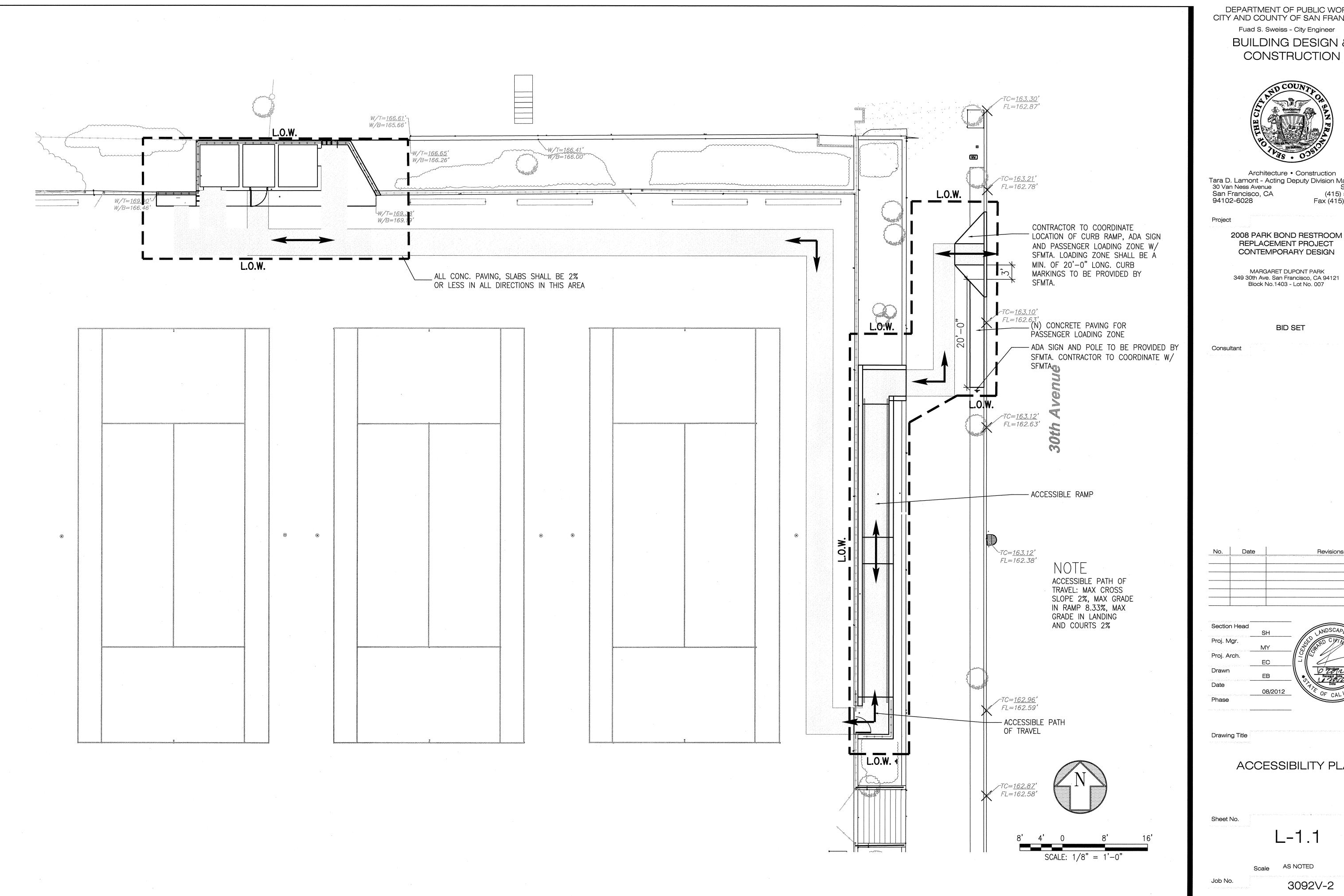
> 2008 PARK BOND RESTROOM REPLACEMENT PROJECT

349 30th Ave. San Francisco, CA 94121

Revisions

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EXISTING CONDITIONS AND DEMOLITION PLAN



> BUILDING DESIGN & CONSTRUCTION



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30 Van Ness Avenue Suite 4100
San Francisco, CA (415) 557-4700
94102-6028 Fax (415) 5574701

> REPLACEMENT PROJECT CONTEMPORARY DESIGN

MARGARET DUPONT PARK 349 30th Ave. San Francisco, CA 94121 Block No.1403 - Lot No. 007

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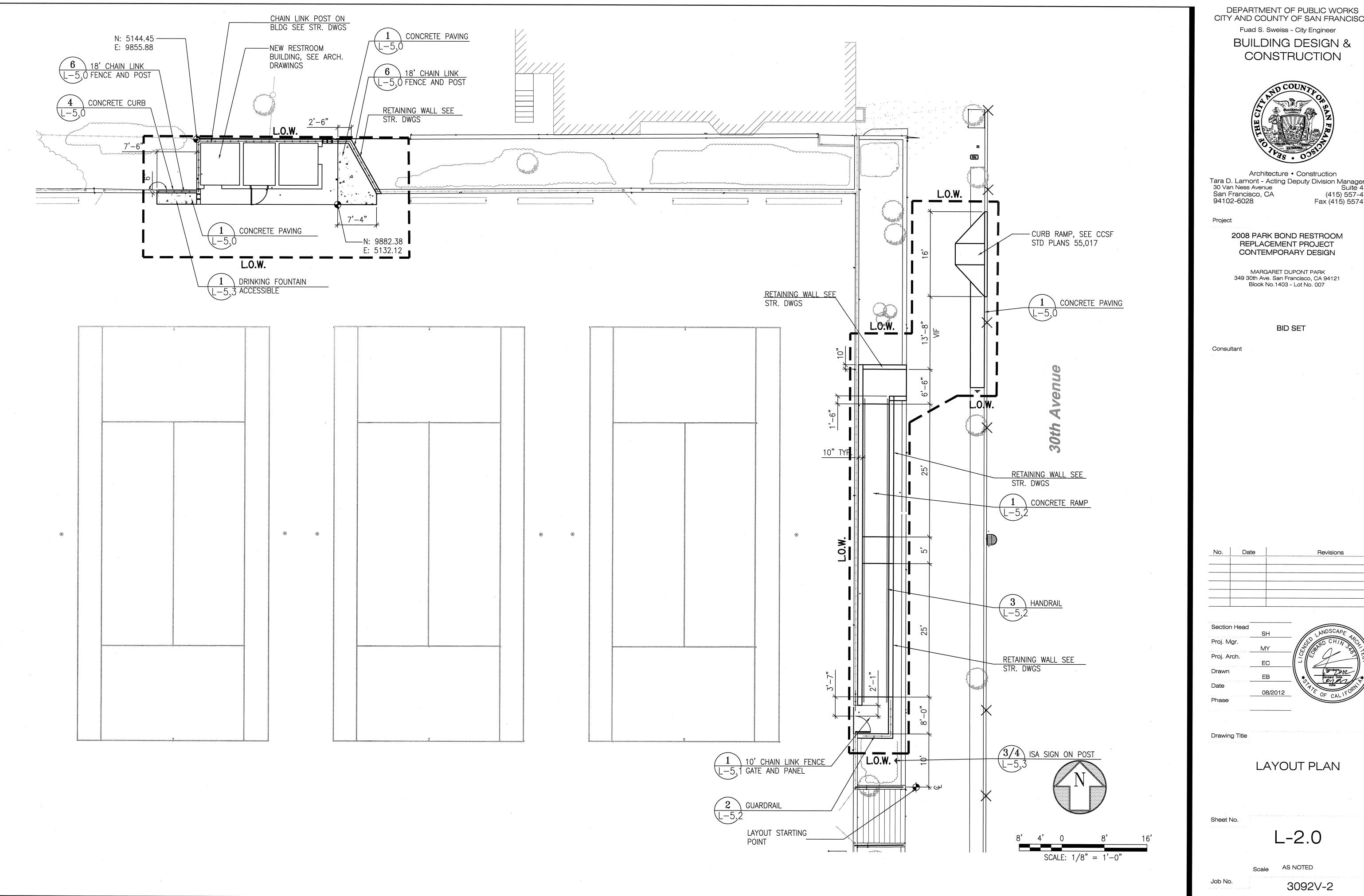
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ACCESSIBILITY PLAN

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Original Sheet Size: 22"x34"

CITY AND COUNTY OF SAN FRANCISCO

BUILDING DESIGN &



Architecture • Construction

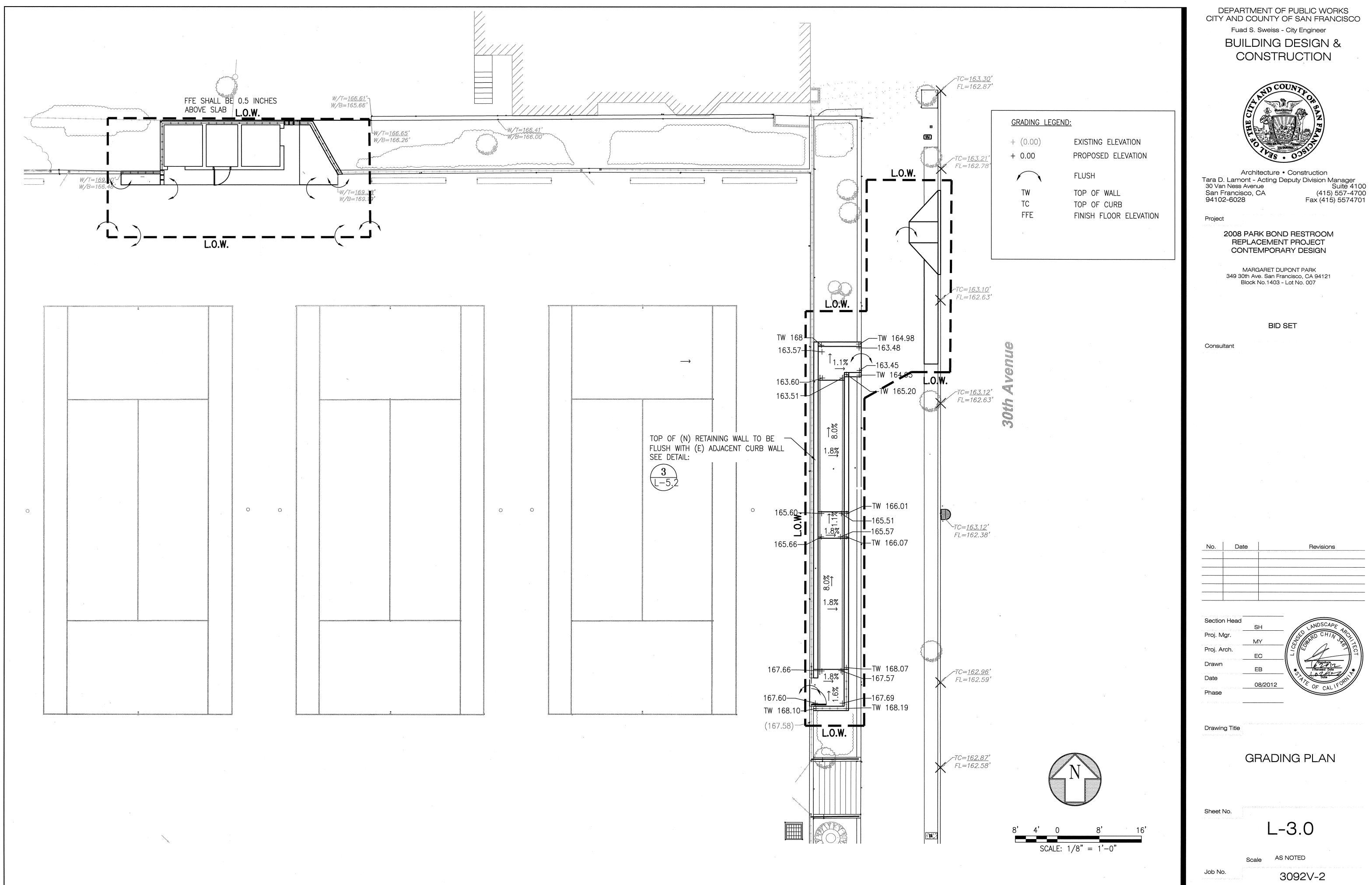
Tara D. Lamont - Acting Deputy Division Manager
30 Van Ness Avenue Suite 4100
San Francisco, CA (415) 557-4700
94102-6028 Fax (415) 5574701

REPLACEMENT PROJECT CONTEMPORARY DESIGN

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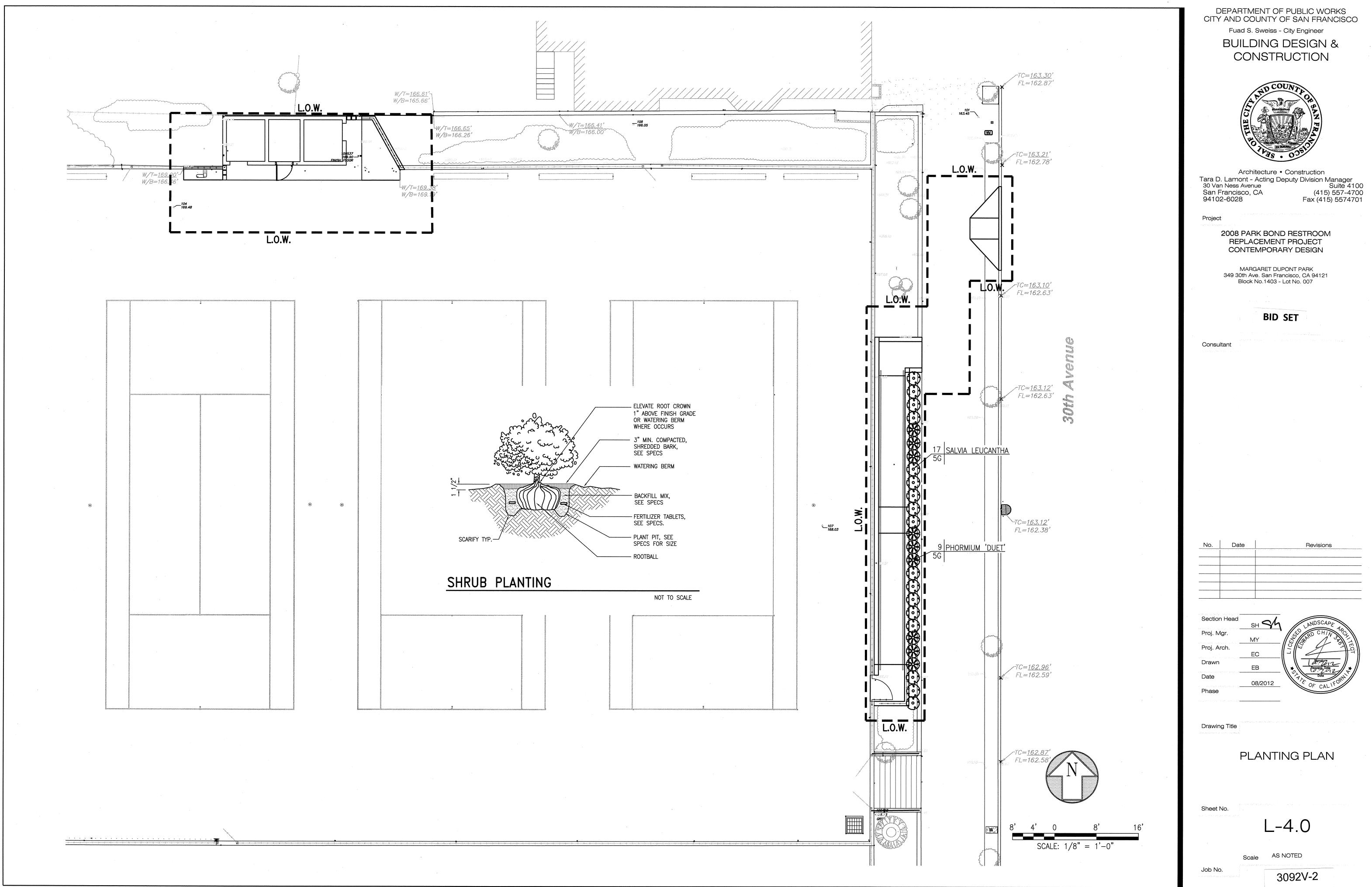
LAYOUT PLAN



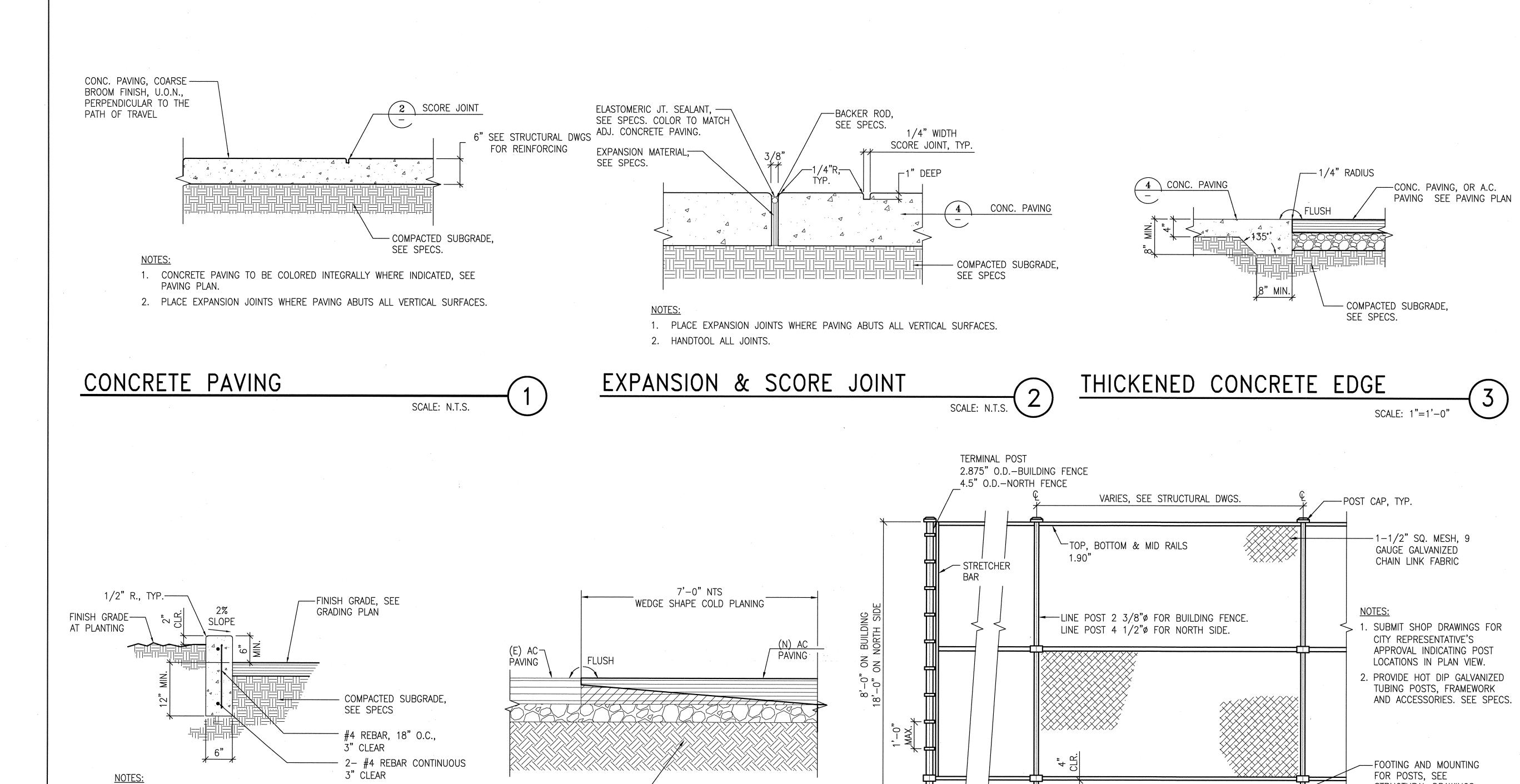
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CONCRETE CURB

1. FINISH ALL EXPOSED SURFACES PER SAN

2. PROVIDE A SCORE JOINT AT 5' O.C.

FRANCISCO DPW SS SECTION 411.10, 411.11.

SCALE: 1"=1'-0"

& (N) AC PAVING INTERFACE (5) CHAIN LINK FENCE SCALE: 1"=1'-0"

COMPACT SUBGRADE-

APPLY ACRYLIC COURT SURFACING ON ALL NEW AC PAVING. COLOR TO BE SIMILAR TO EXISTING COURTS.

CADD FILE NAME: EAC-NAC DATE: 08-19-04 (JM & HD)

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

STRUCTURAL DRAWINGS

Architecture • Construction Tara D. Lamont - Acting Deputy Division Manager
30 Van Ness Avenue Suite 4100

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO

BUILDING DESIGN &

CONSTRUCTION

Fuad S. Sweiss - City Engineer

94102-6028

(415) 557-4700

Fax (415) 5574701

San Francisco, CA

2008 PARK BOND RESTROOM REPLACEMENT PROJECT CONTEMPORARY DESIGN

MARGARET DUPONT PARK 349 30th Ave. San Francisco, CA 94121 Block No.1403 - Lot No. 007

BID SET

Consultant

Date Revisions

Section Head

Drawing Title

CONSTRUCTION DETAILS

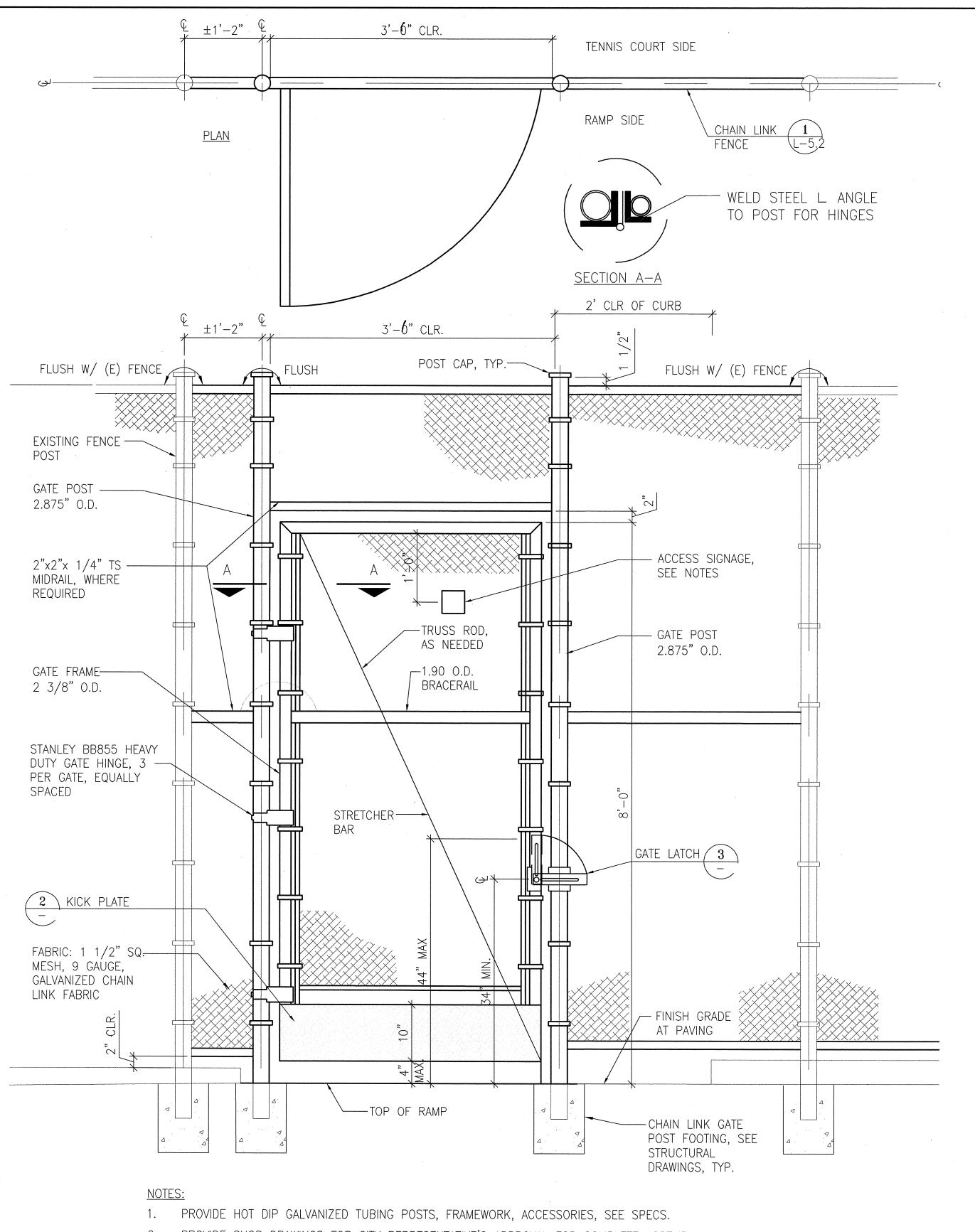
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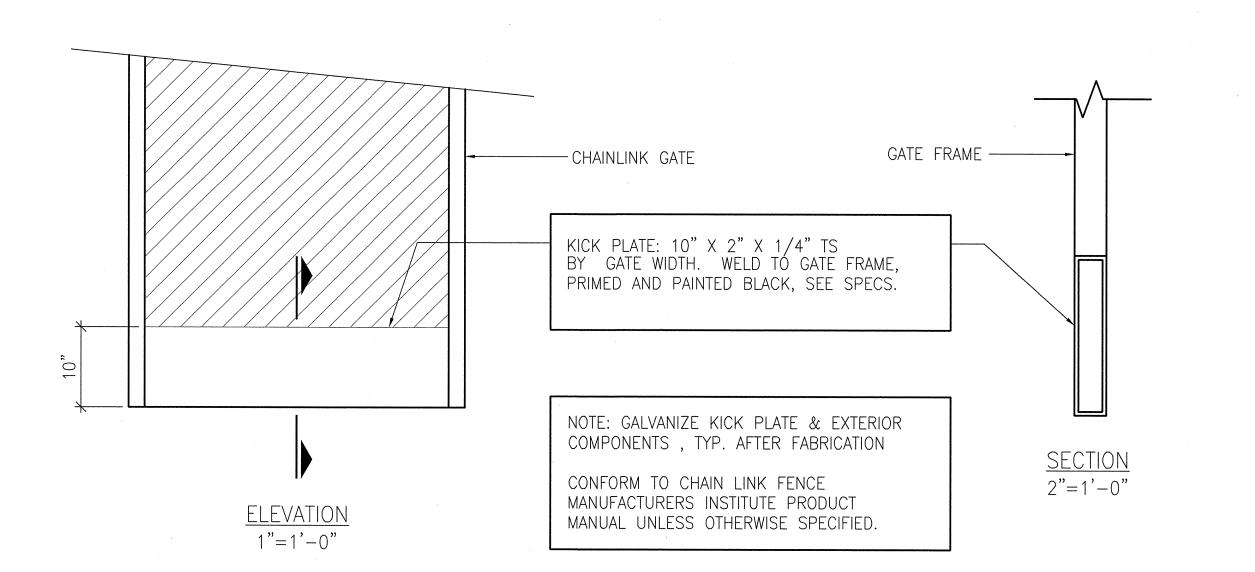
3092V-2



- 2. PROVIDE SHOP DRAWINGS FOR CITY REPRESENTATIVE'S APPROVAL FOR COMPLETE ASSEMBLY.
- 3. PROVIDE A GALVANIZED STEEL PLATE, MIN. 1/4" THICK, TO MOUNT 4"X4" INTERNATIONAL SYMBOL OF ACCESSIBILITY (SEE 3/L-5.4) BOLT PLATE TO EXTERIOR FRONT OF GATE. VERIFY ACT LOCATION W/ CITY REPRESENTATIVE.
- 4. FOR SWING DIRECTIONS, SEE PLAN.
- 5. PROVIDE HOLD BACK (NOT SHOWN) FOR EACH DOUBLE LEAF.

SINGLE CHAIN LINK GATE

SCALE: 1"=1'-0"



KICK PLATE

SCALE: AS SHOWN

HANDLES AT GATE LATCH

4" MIN

NOTES:

- 1. COMMERCIAL GRADE FULCRUM GATE LATCH "STRONG ARM LATCH" AS AVAILABLE FROM THOLL FENCE, INC. (775) 358-8680
- 2. HANDLES AT GATE LATCH: 1/2"ø GALVANIZED STEEL HANDLES
- 3. WELD HANDLES ON BOTH SIDES AS SHOWN, MOUNT LEVEL ON GATE.
- 4. LATCH HANDLES MEASURED FROM INSIDE EDGE.

GATE LATCH

CALE: N.T.S.

5)

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO

Fuad S. Sweiss - City Engineer BUILDING DESIGN & CONSTRUCTION



Architecture • Construction

Tara D. Lamont - Acting Deputy Division Manager
30 Van Ness Avenue Suite 4100

San Francisco, CA (415) 557-4700

94102-6028 Fax (415) 5574701

Project

2008 PARK BOND RESTROOM REPLACEMENT PROJECT CONTEMPORARY DESIGN

MARGARET DUPONT PARK 349 30th Ave. San Francisco, CA 94121 Block No.1403 - Lot No. 007

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Consultant

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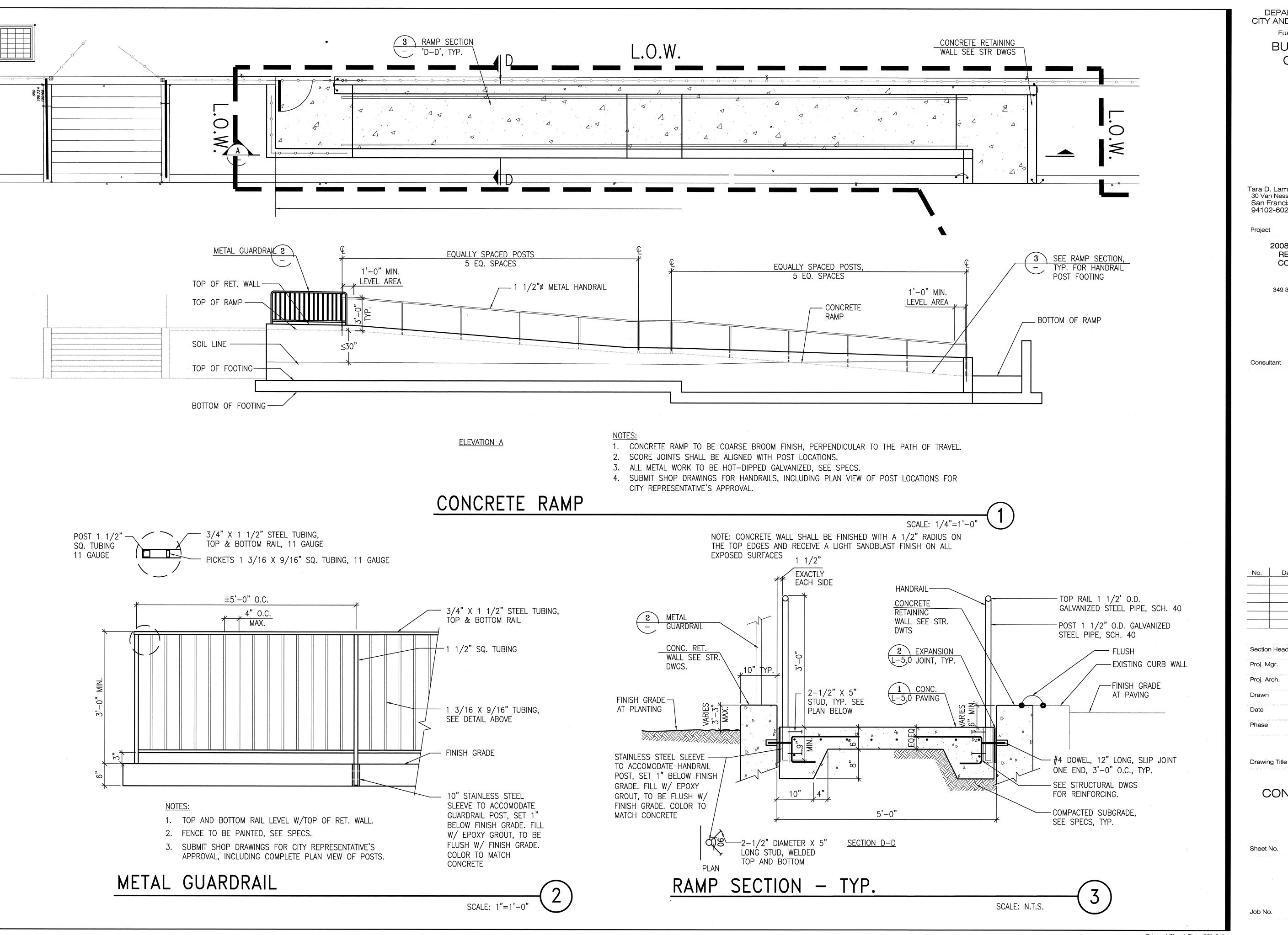
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Job No.

3092V-2



Fuad S. Sweiss - City Engineer

BUILDING DESIGN & CONSTRUCTION



Architecture • Construction Tara D. Lamont - Acting Deputy Division Manager

Suite 4100

Suite 4100 (415) 557-4700 San Francisco, CA 94102-6028 Fax (415) 5574701

2008 PARK BOND RESTROOM REPLACEMENT PROJECT CONTEMPORARY DESIGN

MARGARET DUPONT PARK 349 30th Ave. San Francisco, CA 94121 Block No.1403 - Lot No. 007

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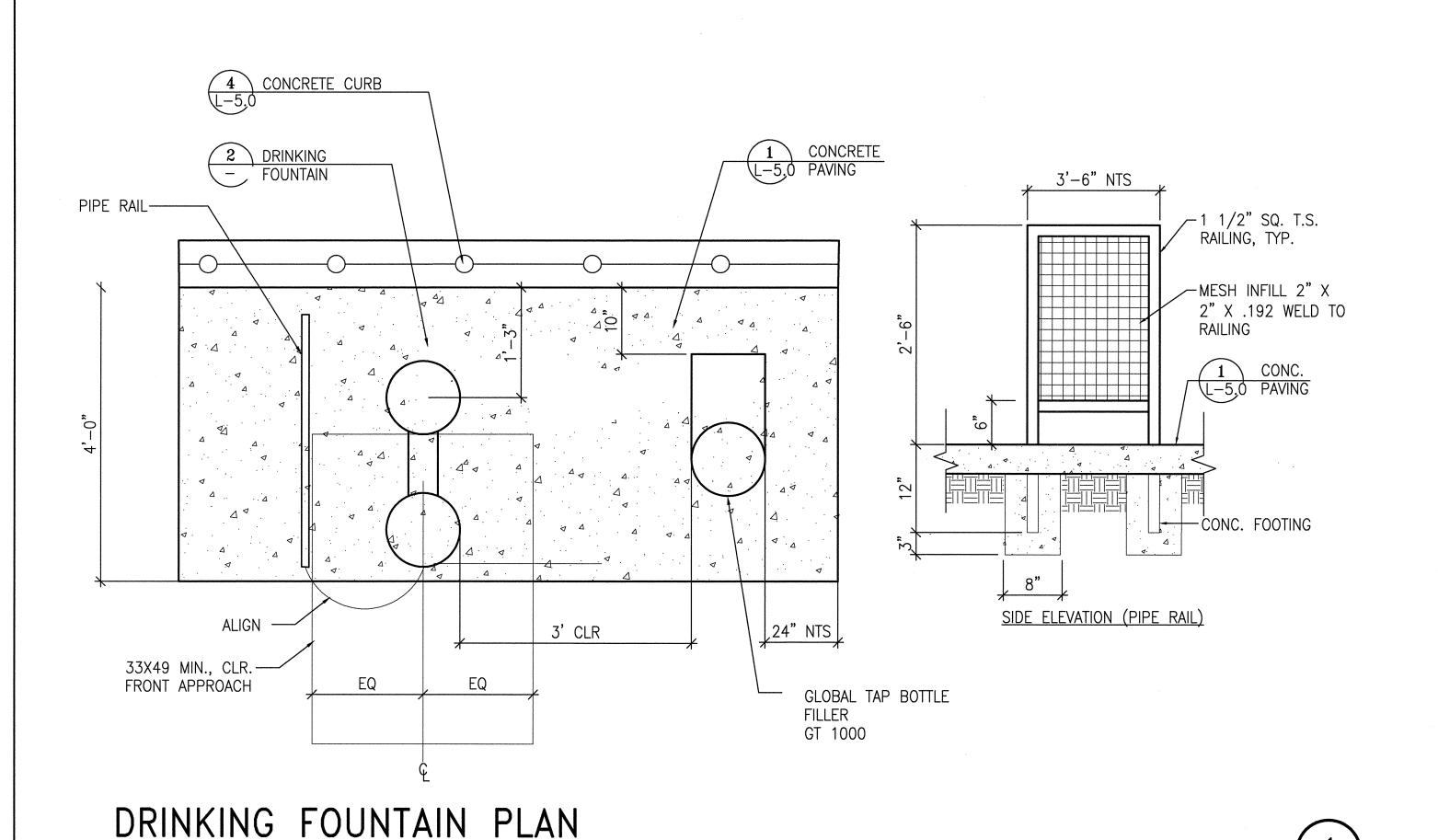
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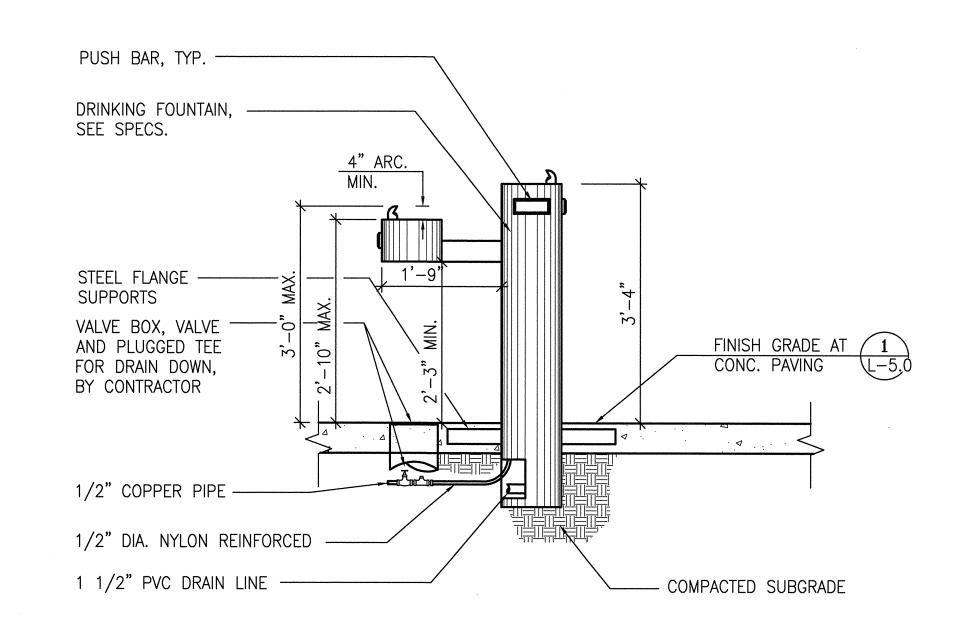
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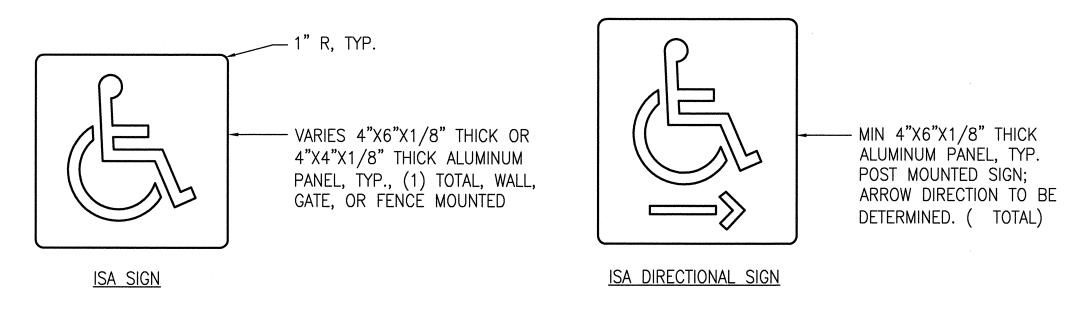
3092V-2





DRINKING FOUNTAIN

SCALE: 1"=1'-0"



NOTES:

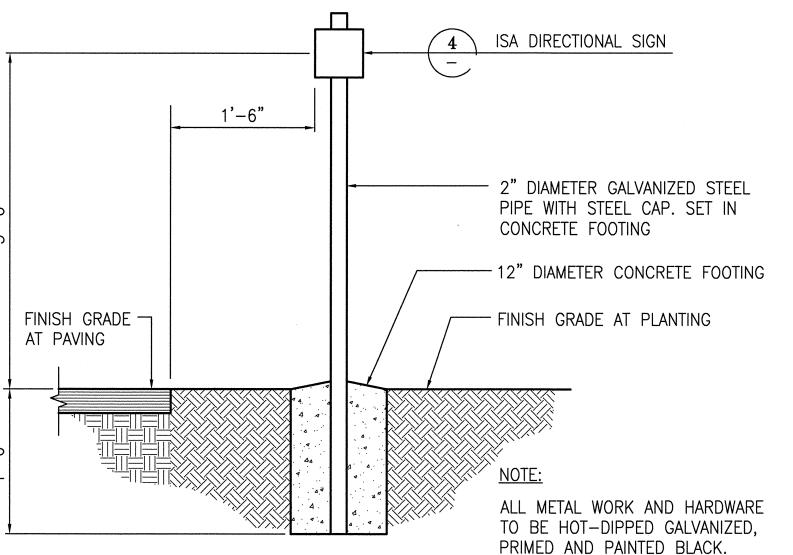
- 1. PROVIDE SIGNS AS SHOWN ON THE PLANS AND IN THE DETAILS.
- SIGN SHALL BE 1/8" ALUMINUM PANEL, SCREEN PRINT IMAGES. 3. IMAGES AND TEXT SHALL BE TAN WITH GREEN BACKGROUND. FINAL COLORS TO BE APPROVED BY CITY REPRESENTATIVE.
- 4. ALL TEXT TO BE MIN. 1" IN HEIGHT.
- EXACT SIGN LOCATIONS TO BE DETERMINED BY CITY REPRESENTATIVE. 6. SUBMIT SHOP DRAWINGS, SHOWING INSTALLATION DETAILS,
- AND COLOR SAMPLES FOR CITY REPRESENTATIVE'S APPROVAL.

INTERNATIONAL ACCESSIBILITY SIGNS

(ISA)

SCALE: N.T.S.





SIGN - POST MOUNT

SCALE: 1"=1'-0"

No. Date Revisions Section Head Proj. Mgr. Proj. Arch. Drawing Title

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO

Fuad S. Sweiss - City Engineer

BUILDING DESIGN &

CONSTRUCTION

Architecture • Construction

Tara D. Lamont - Acting Deputy Division Manager 30 Van Ness Avenue Suite 4100

2008 PARK BOND RESTROOM REPLACEMENT PROJECT

CONTEMPORARY DESIGN

MARGARET DUPONT PARK 349 30th Ave. San Francisco, CA 94121 Block No.1403 - Lot No. 007

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San Francisco, CA

94102-6028

Consultant

(415) 557-4700

Fax (415) 5574701

CONSTRUCTION DETAILS

Sheet No. L-5.3

Job No.

AS SHOWN

3092V-2

				DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO
L E G E N D	L E G E N D	ABBREVIATIONS	DRAWINGINDEX	DESIGN & CONSTRUCTION
POWER POWER	<u>LIGHTING</u>	ADA AMERICANS WITH DISABILITIES ACT	E-1 ELECTRICAL LEGEND & ABBREVIATIONS	BUILDING DIVISION
#10 CONDUIT AND WIRING AS NOTED. DIAGONAL LINES INDICATE NUMBER OF #12 AWG CONDUCTORS.	LED LIGHTING FIXTURE WITH INTEGRAL DRVER	AF AMPS FRAME AFF ABOVE FINISHED FLOOR	E-2 GENERAL NOTES	SD COUNTE
CONDUIT AND WIRING AS NOTED. DIAGONAL LINES INDICATE NUMBER OF #12 AWG CONDUCTORS. NO LINE INDICATES 2#10 & 1#10 GRD. AWG, UON. " INDICATES GROUND, #10 INDICATES WIRE SIZE. AND LONGER HASH INDICATES NEUTRAL. ALL CONDUIT SHALL BE CONCEALED IN CEILING, WALL OR SLAB WHEREVER POSSIBLE. MINIMUM 3/4"C FOR BUILDING	EXIT SIGN WALL/CEILING WITH INTEGRAL EMERGENCY BATTERY	AT AMPS TRIP	E-3 SINGLE LINE DIAGRAM AND PANEL SCHEDULE	
AND LONGER HASH INDICATES NEUTRAL. ALL CONDUIT SHALL BE CONCEALED IN CEILING, WALL OR SLAB WHEREVER POSSIBLE MINIMUM 3/4"C FOR BUILDING	DOWNLIGHT FIXTURE	AWG AMERICAN WIRE GAGE BSCW BARE STRANDED COPPER WIRE		DE LE
INTERIOR.		C CONDUIT	E-4 INDOOR TITLE 24 DOCUMENTATION	THE CITY OF SEAL SEAL SEAL SEAL SEAL SEAL SEAL SEAL
HOMERUN TO ELECTRICAL PANELBOARD, CIRCUIT NUMBER IDENTIFIED FOR EACH ARROW.	EMERGENCY LIGHT FIXTURE WITH INTEGRAL BATTERY PACK	cd CANDELA C.O. CONDUIT ONLY WITH PULL CORD	E-5 OUTDOOR TITLE 24 DOCUMENTATION	AS ODE
CONDUIT BENDS TOWARD OBSERVER.	WALL MOUNTED LIGHTING FIXTURE	CBC CALIFORNIA BUILDING CODE DTIS DEPARTMENT OF TELECOM & INFORMATION SYSTEM	E-6 ELECTRICAL SITE PLAN	Architecture • Construction
CONDUIT BENDS AWAY FROM OBSERVER. CONDUIT STUB OUT PULL ROPE AND CAP.	NEW POLE LIGHT	DWG DRAWING	E-7 ELECTRICAL LIGHTING PLAN & POWER PLAN	30 Van Ness Avenue Suite 4100 San Francisco, CA (415) 557-4700 94102-6028 Fax (415) 5574701
UNDERGROUND CONDUIT SHALL BE MIN. 1"C. U.O.N.	—— NO	(E) EXISTING		Project
-T-T TELEPHONE CONDUIT -TV-TV COMCAST UNDERGROUND CONDUIT	LIGHTING FIXTURE & EQUIPMENT TAG, "NO." INDICATES MOUNTING HEIGHT AFF UON.	ELECT ELECTRICAL EMERG EMERGENCY		
//// CONDUIT AND/OR WIRING TO BE REMOVED.	AFF UON.	EQPMT EQUIPMENT		2008 PARK BOND RESTROOM REPLACEMENT PROJECT
MOTOR MOTOR	\$a SINGLE POLE SWITCH. MOUNTING HEIGHT +42" AFF, UON.	F/I FURNISH & INSTALL		CONTEMPORARY DESIGN
COMBINATION MOTOR STARTER, CIRCUIT BREAKER TYPE, 1 INDICATES NEMA SIZE STARTER	\$3 THREE WAY SWITCH	UNDER THIS CONTRACT FSD FIRE SMOKE DAMPER		DUPONT TENNIS COURTS RESTROOM
DISCONNECT SWITCH, SIZE AS NOTED	MOUNTING HEIGHT +42" AFF, UON.	G, GND, GRD GROUND		336 31ST AVE. San Francisco, CA 94121 Block No. 1403- Lot No. 007
WHN WATTHOUR METER	CEILING MOUNTED MULTI TECHNOLOGY OCCUPANCY SENSOR WITH INTEGRATED POWER BASE AND CAGE. LEVITON # OSC10-MOW	GRS GALVANIZED RIGID STEEL		BID SET
BUS MOLDED CASE CIRCUIT BREAKER,	OR APPROVED EQUAL	HID HIGH INTENSITY DISCHARGE HPS HIGH PRESSURE SODIUM		Consultant
3 POLE UNLESS OTHERWISE NOTED: 50A 50A-TRIP RATING IN AMPERE	WALL MOUNTED LINE VOLTAGE MULTI TECHNOLOGY OCCUPANCY SENSOR LEVITON # OSSMD-MD OR APPROVED EQUAL	HRV HEAT RECOVERY UNIT		
NA - NON-AUTOMATIC MCP - MOTOR CIRCUIT PROTECTOR		IBC INTERNATIONAL BUILDING CODE JB JUNCTION BOX		
ELECTRICAL ENCLOSURE OUTLINE	DIGITAL TIMECLOCK AND RELAY PANEL, LEVITION # R08BD-L08 OR APPROVED EQUAL.	LCP LOCAL CONTROL PANEL		INFRASTRUCTURE DIVISION
JUNCTION BOX WITH COVER.		LED LIGHT EMITTING DIODE		DEPARTMENT OF PUBLIC WORKS/ CITY & COUNTY OF SAN FRANCISCO 30 VAN NESS AVENUE, 5TH FLOOR
WALL MOUNTED JUNCTION BOX WITH COVER.		LTG LIGHTING PP POWER PANEL		DESIGNED BY: CEC 9/28/2012
PRECAST PULL BOX, AS SHOWN IN DPW STANDARD PLANS SEPT. 2007, FILE NO. 87,201,		MCS MOLDED CASE SWITCH		DRAWN BY: CEC 9/28/2012
TYPICALLY TYPE 1, UON. GROUND		MSB MAIN SWITCHBOARD NFPA NATIONAL FIRE PROTECTION AGENCY		CHECKED BY: PT 9/28/2012
SHEET NOTE		NTS NOT TO SCALE		Wante OCT 1 1 2012
ELECTRICAL EQUIPMENT		PNL PANEL RCP RADIANT FLOOR CONTROL PANEL		DEPUTY DIVISION MANAGER: DATE:
RECEPTACLE, DUPLEX 20A, 3PG, 125V, +18" UON		RCP RADIANT FLOOR CONTROL PANEL RECP RECEPTACLE		DEPUTY DIVISION MANAGER: DATE: DIVISION MANAGER: DATE:
RECEPTACIE DUPLEX 20A 3PG 125V GECL +18" UON		R/C REMOVE FROM SITE OF WORK AS CONTRACTOR'S PROPERTY		No. Date Revisions
WP "WP" WEATHER PROOF LOCKABLE METTALIC COVER, OUTLET TO BE ABLE TO CLOSE WHILE IN—USE AND MEET NEC REQUIREMENTS.		R/S REMOVE AND SALVAGE AS CITY'S PROPERTY, RETURN TO OWNER		
RECEPTACLE QUADRUPLEX, 20A, 3PG, 125V, +18" AFF UON		S/N SOLID NEUTRAL		
		SP SUMP PUMP SPD SURGE PROTECTION DEVICE		enter eth attsettsetsse sta
30A, 3P, TWISTED LOCK, 120V, RECEPTACLE IN NEMA 3R STAINLESS STEEL LOCKABLE ENCLOSURE +18" AFF UON		TEL TELEPHONE		Section Head Proj. Mgr. Proj. Mgr.
THERMOSTAT. VERIFY IN FIELD FOR EXACT LOCATION. REFER TO DIV. 23		TYP TYPICAL		Proj. Arch.
		TS TIME SWITCH TV TELEVISION		Drawn NO. E10532
* INDICATES EQUIPMENT TO BE FURNISHED AND INSTALLED UNDER OTHER WORK IN THIS CONTRACT. ALL ELECTRICAL		UL UNDERWRITERS LABORATORIES		Date Phase
CONNECTIONS SHOWN SHALL BE UNDER ELECTRICAL WORK. CONTROL CONDUIT AND WIRING NOT SHOWN BUT REQUIRED		UON UNLESS OTHERWISE NOTED		10/11/12
FOR A COMPLETE WORKING SYSTEM SHALL BE FURNISHED, INSTALLED AND PAID FOR UNDER DIVISION 23.		WP WEATHERPROOF		Drawing Title
				ELECTRICAL
THIS IS A GENERAL LEGEND, NOT ALL				LEGEND &
SYMBOLS ARE USED.				ABBREVIATIONS
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GENERAL NOTES

GENERAL NOTES

DEMOLITION NOTES

1. THESE PLANS ARE DIAGRAMMATIC AND ARE CORRECT FOR GENERAL DESIGN ONLY. EXACT LOCATIONS OF EQUIPMENT PER ARCHITECTURAL AND MECHANICAL DRAWINGS.

- 2. ALL WIRING SHALL BE COPPER AND SHALL BE INSTALLED IN CONDUIT. CONDUIT SIZE SHALL BE ACCORDING TO CODE. MINIMUM CONDUIT SIZE IS 3/4". ALL CONDUITS AND JUNCTION BOXES SHALL BE CONCEALED IN FURRED SPACES, CONCRETE WALLS / FLOORS, OR ABOVE ACOUSTIC CEILING, U.O.N. ALL JUNCTION BOXES SHALL BE ACCESSIBLE.
- 3. THIS IS A GENERAL LEGEND. NOT ALL SYMBOLS ARE USED.
- 4. LIGHTING AND RECEPTACLE SYSTEM CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY CONDUITS, FITTINGS, JUNCTION BOXES AND ALL NECESSARY COMPONENTS SHOWN OR NOT SHOWN ON THE DRAWINGS TO MAKE ELECTRICAL INSTALLATION COMPLETE AND OPERATIONAL.
- 5. ALL OUTDOOR AND ANTICIPATED WET AREA SHALL HAVE GFCI OUTLETS. ALL OUTDOOR DEVICES SHALL HAVE WET WEATHERPROOF VANDAL RESISTANT METTALIC LOCKABLE COVERS WHILE IN USE.
- 6. PANEL DIRECTORIES SHALL BE TYPEWRITTEN.
- 7. OPENING THRU CEILING FOR CONDUITS SHALL BE COVERED WITH ESCUTCHEON PLATES.
- 8. ALL CONDUITS THRU WALL AND FLOOR SHALL BE SEALED AIR-TIGHT AROUND CONDUIT OPENING WITH CODE APPROVED MATERIAL. FIRE RATING OF WALLS OR FLOORS SHALL BE MAINTAINED.
- 9. PROVIDE SEPARATE GROUND WIRE IN ALL CONDUITS.
- 10. ALL ELECTRICAL EQUIPMENT, PANELBOARDS, CONTROL DEVICES, SHALL BE IDENTIFIED WITH ENGRAVED NAMEPLATES.
- 11. CONTRACTOR SHALL LABEL EACH NEW ELECTRICAL OUTLET WITH PERMANENT FELT-TIP MARKER, SHOWING PANEL NUMBER AND CIRCUIT BREAKER NUMBER FEEDING THE CIRCUIT ON THE BACK OF COVER PLATE OF THE CONVENIENCE OUTLET AND LIGHT SWITCH.
- 12. ALL WIRING INSIDE PULL BOXES SHALL BE TAGGED TO IDENTIFY THE CIRCUIT (BOTH PANEL AND CIRCUIT NO.) EACH BUNDLE OF WIRING RUNNING IN EACH CONDUIT SHALL BE TIE-WRAPPED SO THAT THEY REMAIN IN INDIVIDUAL GROUPINGS.
- 13. ALL EXPOSED CONDUIT SHALL RUN AS HIGH AS POSSIBLE AND AVOID INTERFERENCE AND EQUIPMENT FRAME STRUCTURE. CEILING INSERTS AND MECHANICAL DUCT WORK.
- 14. ALL PENETRATION THROUGH CONCRETE WALL SHALL BE CORE DRILLED AND GROUTED AROUND CONDUIT AFTER CONDUIT INSTALLATION. USE RIGID STEEL CONDUIT ONLY.
- 15. ALL ELECTRICAL EQUIPMENT, ELECTRICAL SUPPORTS, CONDUIT AND FITTINGS, AND LIGHTING FIXUTRES SHALL BE BRACED ACCORDING TO SMACNA DETAILS, AND PER IBC/CBC SEISMIC MOUNTING REQUIREMENTS AND PER CALIFORNIA TITLE 24 AND LOCAL JURISDICTION.
- 16. THERE SHALL BE NO MORE THAN THREE CIRCUIT HOME RUNS IN EACH CONDUIT. U.O.N.
- 17. PAINT ALL BLANK COVER PLATES AND EXPOSED CONDUIT TO MATCH WALL OR CEILING.
- 18. THERE SHALL BE NO MORE THAN 270° CONDUIT TURN IN EACH CONDUIT RUN.
- 19. ALL ELECTRICAL DEVICES SHALL BE UL LISTED WHERE APPLICABLE.
- 20. INSTALL A NYLON PULLING ROPE AND END PLUGS WITH PULL TAB IN ALL EMPTY CONDUITS.
- 21. PRIOR TO SUBMISSION OF BID, VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS. NO EXTRA COST WILL BE ALLOWED FOR WORK RESULTING FROM LACK OF PROPER APPRAISAL OF EXISTING CONDITIONS.
- 22. EXAMINE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE SEQUENCE OF CONSTRUCTION THROUGH OUT THE PROJECT, INCLUDING EXISTING, TEMPORARY REMODELED AND NEW AREAS, WHERE APPLICABLE.

- 23. GROUT AROUND CONDUIT TIE-INS. WHERE CONDUIT ENTERS BUILDINGS, SEAL OPENINGS WITH APPROVED DUCT SEAL TO PREVENT CIRCULATION OF AIR OR MOISTURE.
- 24. USE SPLIT BOLT CONNECTORS FOR COPPER CONDUCTOR SPLICES AND TAPS, 6 AWG AND LARGER, TAPE UNINSULATED CONDUCTORS AND CONNECTOR WITH ELECTRICAL TAPE TO 150 PERCENT OF INSULATION RATING OF CONDUCTOR. SPLIT BOLT TYPE SPLICING DEVICES (i.e.KEARNIES) SHALL BE COPPER PER DPW STANDARD PLAN SEPT. 1997 DWG. NO. 87,204.
- 25. FOR ATT INCOMING SERVICE, EXACT LOCATION AND COORDINATION WITH MR. ARNIE FRELIX OF DTIS AT 415-550-2909.
- 26. FOR PG&E INCOMING SERVICE, EXACT LOCATION AND COORDINATION WITH MR. WALTER MERVILLE, (415) 554-2445, HETCH HETCHY W&P 4TH FLOOR, 1155 MARKET ST. SAN FRANCISCO, CA 94103.
- 27. MECHANICAL DESIGN BUILT SYSTEM MECHANICAL CONTRACTOR SHALL PROVIDE ALL THE LOW VOLTAGE WIRING, CONDUIT AND PULLBOXES FOR A COMPLETE OPERABLE SYSTEM AND MEET ELECTRICAL SPECIFICATION.
- 28. ALL DESIGN BUILT SYSTEM NEED TO BE APPROVED BY A PROFESSIONAL ENGINEER HIRED BY THE CONTRACTOR FOR THE SPECIFIC TRADE.
- 29. MECHANICAL PACKAGE UNIT SYSTEM: STARTER, LOCAL CONTROL PANEL, MOTOR ETC. TO BE FURNISHED BY DIV. 23 AND INSTALLED BY DIV. 26. U.O.N.
- 30. PULL BOXES NOT IN CONCRETE OR PAVED AREA. CONTRACTOR TO PROVIDE 4" OF CONCRETE AROUND THE BOX FOR MAINTENANCE. PROVIDE AT LEAST 8" BEDROCK OF DRAINAGE GRAVEL AND CONDUIT SHALL EXTEND AT LEAST 6" ABOVE THE BEDROCK.
- 31. EMT FITTINGS SHALL BE STEEL SET SCREW WHEN INDOOR, COMPRESSION FITTING WHEN OUTDOOR.
- 32. CONDUITLET SHALL BE WITH CLIP COVERS, CROUSE-HIND FORM 7 OR APPLETON.
- 33. ALL OUTLET SHALL BE ALIGNED AND WITH THE SAME ORIENTATION THROUGHOUT.
- 34. PROVIDE A YELLOW WARNING TAPE 36 INCHES IN FRONT OF ALL ELECTRICAL PANELS ON THE FLOOR INSIDE THE BUILDING.
- 35. EXPOSED CONDUIT SHALL BE STRAP NOT EXCEEDING 5 FEET INTERVAL.
- 36. NO METAL CLAD CABLE SHALL BE USED.

- PRIOR TO SUBMISSION OF BID, VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS. NO EXTRA COST WILL BE ALLOWED FOR WORK RESULTING FROM LACK OF PROPER APPRAISAL OF EXISTING CONDITIONS.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR ALL DEMOLITION WORK.
- EXISTING IRRIGATION SYSTEM SHALL BE OPERATIONAL THROUGHOUT THE ENTIRE DURATION OF THIS CONSTRUCTION PROJECT.
- TEMPORARY RELOCATE EXISTING IRRIGATION SYSTEM CONTROLLER TO A SECURED AREA (i.e., CONTRACTOR'S FENCED STAGING AREA OR TRAILER) DURING THE COURSE OF CONSTRUCTION TO PREVENT TAMPERING BY THE PUBLIC. PROVIDE NEMA 3R ENCLOSURE FOR EXISTING IRRIGATION CONTROLLER IF IT IS TEMPORARILY LOCATED IN AN OUTDOOR LOCATION.
- 5. TEST IRRIGATION SYSTEM WHEN RELOCATED TO NEW BUILDING TO ASSURE (E)IRRIGATION CONTROLLER IS OPERATING ALL SPRINKLER ZONES PROPERLY.
- RELOCATE EXISTING TIME CLOCK TO A SECURE AREA. (EXACT LOCATION TO BE DETERMINED IN THE FIELD). PROVIDE NEMA 3R ENCLOSURE AND MOUNT ON UNISTRUT. RECONNECT ALL THE FIELD WIRING TO MATCH EXISTING.

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO

DESIGN & CONSTRUCTION BUILDING DIVISION



Architecture • Construction

30 Van Ness Avenue San Francisco, CA 94102-6028

Suite 4100 (415) 557-4700 Fax (415) 5574701

2008 PARK BOND RESTROOM REPLACEMENT PROJECT CONTEMPORARY DESIGN

DUPONT TENNIS COURTS RESTROOM 336 31ST AVE. San Francisco. CA 94121 Block No. 1403- Lot No. 007

BID SET

Consultant

INFRASTRUC DEPARTMENT O CITY & COUNTY O 30 VAN NESS AV SAN FRANCISO	OF PUBLIC V OF SAN FRA VENUE, 5TH	VORKS/ NCISCO FLOOR
DESIGNED BY:	CEC CEC	date 9/28/201
DRAWN BY:	OF CEC	9/28/201
CHECKED BY:	PT	9/28/201
	T 1 1 2012	
SECTION MANAGER	10/	DATE
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Me for 10/11/2012

Revisions

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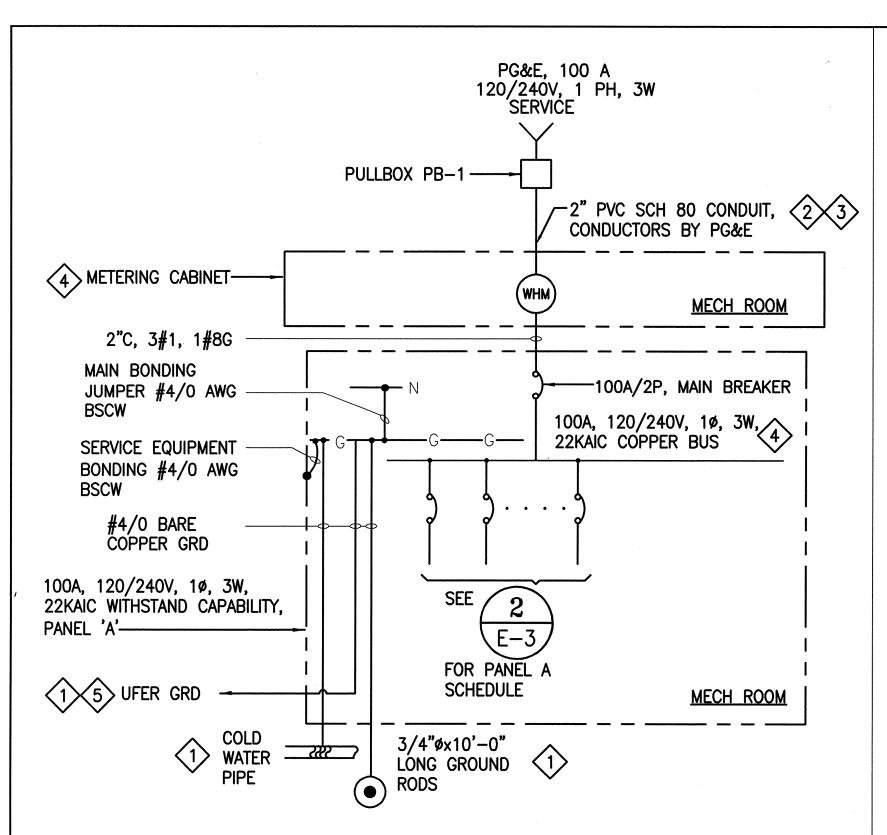
GENERAL NOTES

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SHEET NOTES

- PROVIDE GROUNDING PER NEC 250-53, 250-62, 250-66, 250-80 AND TABLE 250-66, 250-122 AND PER SPECIFICATION 26 05 26.
- CONTRACTOR TO COORDINATE AND COMPLY WITH PG&E GREEN BOOK REQUIREMENTS. PROVIDE CONDUIT AND METER TERMINATION AS REQUIRED PER PG&E.
- CONTRACTOR TO COORDINATE WITH PG&E ENGINEER AND PG&E GREEN BOOK FOR EXACT REQUIREMENTS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - 1) CONDUIT ROUTING & SERVICE BOX WHERE REQUIRED.
 - 2) PG&E FAULT CURRENT RATING, SUBMISSION OF INCOMING SERVICE ELEVATION, AND SUBMITTAL TO PG&E FOR APPROVAL BEFORE FABRICATION.
- MANUFACTURER OF METER MAIN SHALL MEET EUSERC GUIDELINES PER EUSERC MANUAL SECTION 200 AND SECTION 300. OBTAIN PG&E APPROVAL OF ELECTRICAL SERVICE EQUIPMENT PRIOR TO INSTALLATION.
- 5 ELECTRODE TO BE ENCASED IN A MINIMUM 2" CONCRETE, THAT IS IN DIRECT CONTACT WITH THE EARTH, CONSISTING OF AT LEAST 20' BARE COPPER CONDUCTOR NOT LESS THAN 1/2" DIA. OR #4AWG.

					LOCATION: PLUMBING ROOM, ROOM 3						
VOLTAGE: 120/240V	PHASE:	1 WIF	RE: 3	MOUN	ITING:	SURF	ACE		;		
NEMA: 1	AIC: 22,	000		BUS:	125	iΑ			MAIN: 100A		
LOAD DESCRIPTIONS	A	В	BKR	CI	KT	BKR	А	В	LOAD DESCRIPTIONS		
	VA	VA	A	N	0:	Α	VA	VA			
HAND DRYER - MEN'S	1600		20	1	2	20	391		LTG - R.ROOM, JAN. CLOS, EF-1		
HAND DRYER - WOMEN'S		1600	20	3	4	20		353	LTG - EXTERIOR		
REC - TELECOM BACKBOARD	360		20	5	6	20	_		SPARE		
TIMECLOCK TC		200	20	7	8	20			SPARE		
REC - EXTERIOR	180		20	9	10	20	_		SPARE		
WATER HEATER		1600	20	11	12	20			SPARE		
SPACE				13	14				SPACE		
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TOTAL	2140	3300					391	353			
TOTAL PHASE A LOAD :	2531	VA									
TOTAL PHASE B LOAD :	3653	VA									
TOTAL LOAD:	6184	VA 25	.8A								



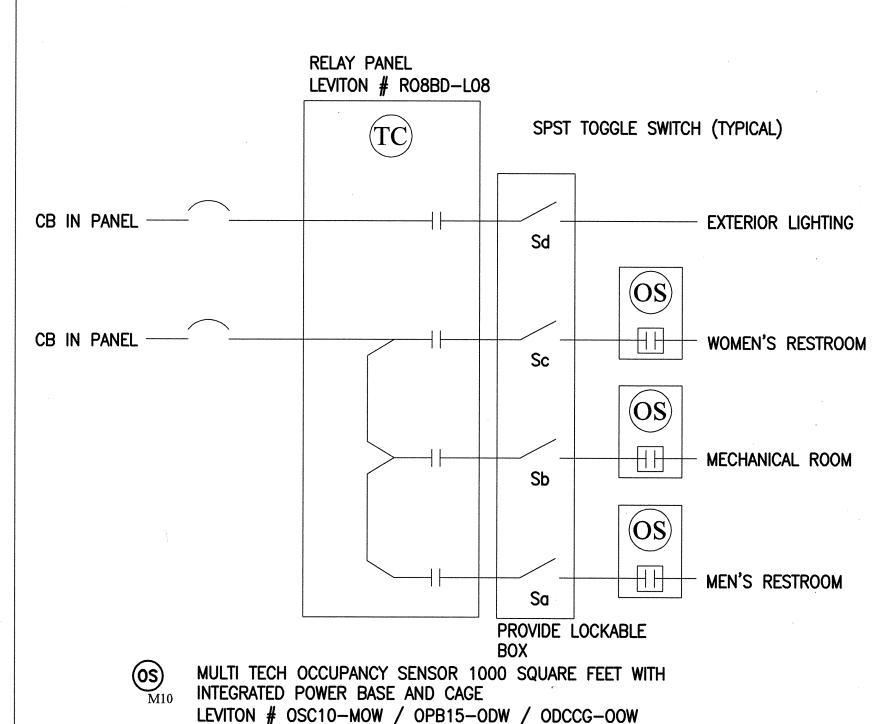
	LIGHT FIX	TURE SCHEI	DULE		
TAG	DESCRIPTION	MANUFACTURER	LAMPS	VOLT	MOUNTING
A 49	WET LOCATION RATED, EXTERIOR LED LIGHTING FIXTURE WITH INTEGRATED DRIVER, EXTRUDED ALUMINUM HOUSING, AND FROSTED GLASS LENS. PROVIDE SHOP DRAWINGS PRIOR TO ORDERING. COORDINATE MOUNTING LOCATIONS WITH ARCHITECT. EXACT LENGTHS TO BE SPECIFIED IN THE FIELD.	LUMENPULSE LOG HO/ 120/36/40K/ 30X60 OPTICS/UMP/SI/ NO/ETE	49W LED	120V	RECESSED
A1 25.5	SAME AS FIXTURE "A" EXCEPT WITH CLEAR GLASS LENS AND 60°X60° OPTICS.	LUMENPULSE LOG RO/ 120/36/40K/ 60X60 OPTICS/UMP/SI/ NO/ETE	25.5W LED	120V	RECESSED
(C) 60	4' HIGH ABUSE SURFACE MOUNTED FIXTURE WITH HEAVY GAUGE STEEL HOUSING, POLYCARBONATE LENS, AND INTEGRATED DRIVER.	NEWSTAR 51HA4-L-50-B -12-SS-WL	60W LED	120V	SURFACE MOUNT
EM 10	VANDAL RESISTANT, WET LOCATION LED EMERGENCY LIGHT WITH GASKET SEALED DIE—CAST ALUMINUM HOUSING, POLYCARBONATE REFRACTOR, AND 90 MINUTE INTEGRAL EMEGENCY BATTERY. COLOR PER ARCHITECT.	ISOLITE ELED SERIES: ELED—EM	10W LED	120V	WALL



DIGITAL LIGHTING			
CONTROLLER: TC			
NEMA 1 ENCLOSURE			
SIZE: 15"H, 10 3/4"W , 4"D	LOCATION: PLUMBING	G ROOM	
	MOUNTING: SURFACE		
VOLTAGE: 120V	FEED FROM EXISTING	PANEL A-7	
Channel #	CIRCUIT#	CIRCUIT LOAD (VA)	Load Description
1	4d	386	EXTERIOR LIGHTING
2	2a	140	MEN'S RESTROOM
3	2b	70	MECHANICAL ROOM
4	2 c	140	WOMEN'S RESTROOM
5	Spare		
6	Spare		
7	Spare		
8	Spare		
	TOTAL LOAD	736	

NOTE: PROVIDE STAINLESS STEEL ENCLOSURE FOR NEMA 1 LIGHTING CONTROLLER.

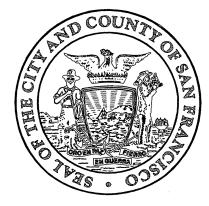
DIGITAL TIMECLOCK SCHEDULE



LIGHTING CONTROL DIAGRAM

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO

DESIGN & CONSTRUCTION BUILDING DIVISION



Architecture • Construction

30 Van Ness Avenue San Francisco, CA 94102-6028 Suite 4100 (415) 557-4700 Fax (415) 5574701

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2008 PARK BOND RESTROOM REPLACEMENT PROJECT CONTEMPORARY DESIGN

DUPONT TENNIS COURTS RESTROOM 336 31ST AVE. San Francisco, CA 94121 Block No. 1403- Lot No. 007

BID SET

Consultant

INFRASTRUCTURE DIVISION DEPARTMENT OF PUBLIC WORKS/ CITY & COUNTY OF SAN FRANCISCO 30 VAN NESS AVENUE, 5TH FLOOR **SAN FRANCISCO, CA 94102-6028** DESIGNED BY: CEC 9/28/2012 DRAWN BY: CEC 9/28/2012 PT 9/28/2012 CHECKED BY: Hode OCT 1 1 2012 11/1/200 DIVISION MANAGER Date Revisions Section Head Proj. Mgr. Proj. Arch.

> SINGLE LINE DIAGRAM AND PANEL SCHEDULE

Sheet No.

Job No.

Drawing Title

E-3

Scale **NONE**

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CERTIFICATE OF C	<u>OMPLIANCE</u>	ł		_(Pa	age 1 of 4) LTG-1
Project Name: DUPONT TEN	NIS COURTS	RESTROOMS		I	Pate: 9/12/2012
Project Address:			Climate Zone:	: 1	Building CFA:
340 31ST AVE, SAN	FRANCISCO,	CA 94121	3	Ţ	Jnconditioned Floor Area :
General Information					
	Vonresidential Relocatable Public	High-Rise R	-		Hotel/Motel
1 Schools	schools	Conditioned	Spaces	X	Unconditioned Spaces
	lew Construction	Addition			Alteration
Method of Compliance: 💢 (Documentation Author's Declaration	Complete Building	Area Catego	ry		Tailored
I certify that this Certificate of		ation is accurate and c	omplete.		
Name: CHRISTOPHER	CAPARRO	Signature:	(1400)	l M	W
Company: DPW, CITY &	COUNTY OF	SF	anishos:	Date:	9/12/2012
Address:	0001111 01			If app	licable:
	S AVE. 5TH F	LOOR		CEA #	#
JU VAN NES				CEPE	. #
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Project 1	INDOOR LIGHTING SCHEDULE an	d FIELD	INSPE	CTION	ENERGY	Y CHI	ECKL	IST
	DUPONT TENNIS COURTS R	ESTROOM	 1S			Date:	9/12	2/2012
Instal	lation Certificate, LTG-1-INST (Retain a d			ompleted ar	nd signed.)	☐ Fi		spector
	ficates of Acceptance, LTG-2A and LTC ed and signed.)	G-3A (Retain	n a copy an	d verify for	m is	☐ Fi	eld In	spector
A separ	rate Lighting Schedule Must Be Filled Out for Con	iditioned and					ng Pow	er listed o
	thting Schedule is only for: CONDITIONED actual indoor lighting power listed below include:	·			TIONED S			2004
wit	(h §146(a)							
	v for offices: Up to the first 0.2 watts per square fo vlation of actual indoor lighting power density in a							
	ss of 0.2 watts per square foot is totaled below.			4		•		· · · · · ·
A	Luminaire Schedule (Type, Lamps, 1 B	C C	D		Installed E	I Wati	G	Н
					attage was			Field Inspector
in on			- 0			35 F	Installed Watts (D x F)	1.15,700(0)
Name or Item Tag	Complete Luminaire Description		75.5 Cuminaire	CEC Default	According to	Number of Luminaires	llled s (D):	×2 .
	(i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)		Watt	from NA8	§130 (d or e)	Num	Insta Watt	Pass
A1 C	RECESSED 1 ROW LED FIXTURE SURFACE MOUNTED LED FIXTUR		25.5		X	4	102	
C	SURFACE MOUNTED LED FIXTUR	<u> </u>	60		X	<u></u>	60	⊦¦¦ ¦}
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		l	USTALLE	ED WATT	S PAGE TO	L	162	╁┸┧┸
	Duilding total number of com-	1 T			itts Buildin		1.02	4.00
	Building total number of pages				(Sum of all		<u></u>	162
	ge shall be determined according to Section 130(d and	\ 777						Page 4 o
1. Watta		e). Wattage si	hall be ratio	no of lioht t	ixture, not re	ating of F	ulb.	

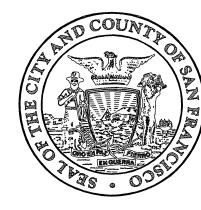
CERTIFICATE OF CO	OMPLIANCE NIS COURTS RESTR	2000	(1	Page 4 of 4		TG-:	1C
				9/	12/20	12	
Conditioned and Unconditioned s Indoor Lighting Power for C				T7 1141	1.0		
Indoor Lighting Fower for C	Watts	Indoor La	ghting Power for	r Onconaiuo		z es √atts	
Installed Ligh			Installe	ed Lighting			
(from Conditioned LTG-1C Page	ge 2)	(from Uno	conditioned LTG-	1C Page 2)	1	62	
Lighting Control C		4	Lighting Cor		_		- 1
Conditioned Spaces (from LTG- Adjusted Insta		Uncondition	oned Spaces (from				
Lighting Po				d Installed ting Power	= 1	62	
	Installed ≤ Allowed 1			plies if Insta	Und < All	lawad	A
				-	neu ≤ An	loweu	*
Allowed Lighting Pe Conditioned Spaces (from LTG		Tinoonditi	Allowed Ligh	- 1	1	62	
Required Acceptance Tests	-30)	Onconditio	oned Spaces (from	11 L1G-3C)		- -	
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	3C must be t	filled out fo	r Condition	ed and Unconditioned S	paces. Indoor L UNCONDITIO	ightin; NED s	g Pow spaces	er Allow	rances listed on
COMPLETE B	UILDING	METHOD							
BUIL ESTROOM	DING CAT BUILDING	EGORY (F:	rom §146 T	able 146-E)	WATTS PER (ft²) 0.6			LETE AREA 0	ALLOWED WATTS 162
					TOTALS		27 ARE		162 WATTS
REA CATEGO	ORY METH	IOD – Part	A						
,	AREA CATE	A GORY (Fron	n §146 Table	146-F)	B WATTS PER (ft²)	X	C AREA	(ft²) =	D ALLOWED WATTS
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						ŀ			
	Su	ım of Additic	onal Allowed	Watts from Area Category	 / Method – Part B	(from	table b	elow)	
					TOTALS		400		NIA TETTO
							ARE		WATTS
REA CATEGO A	DRY METH	OD – Part	B Add	litional Wattage Allow	rance (from Tab	ole 140	5-F Fo	otnotes F	G G
Primary Function	Sq Ft	Additional Watts Per ft ² Allowed	Wattage Allowance (B x C)	Description(s) ar Luminaire ² Types in e	nd Quantity of Spe each Primary Func	cial tion At	ea.	Total Design Watts	ALLOWED WATTS Smaller of D or F
			T	OTALS – Enter into Area	Category Method	– Part	A (tab	le above)	
Additional watt t, craft, assembl	s available o y or manufa	only when a cturing spec	llowed acco cialized task	ording to the footnotes of work; precision commo	n bottom of Tab ercial/industrial	le 146 work;	-F tor or lab	chandeli speciali	er or sconce; zed task work.
				e Table 146-F Footnote					
owance.									
TAILORED MI		Total Allows	d Watta usin	g the Tailored Method take	on from LTC 4C	Daga 1	of 4) I) orr ?	
	ing power al	lowance us	ing the Tail	ored Method of complia out for CONDITIONED	nce shall be dete	ermine	d usin	g the LT	G-4C set

Project Name: DUDONT TENNIS COL	IDTO DECTOO	(Page 3) Date:	
DUPONT TENNIS COU			9/12/201
INDOOR LIGHTING SCHEDULE and FII Fill in controls for all spaces: a) area controls,			or davlit areas
automatic daylighting controls for daylit areas	$> 2,500 \text{ ft}^2$, d) shut	off controls, e) display lighting contr	ols, f) tailored li
controls - general lighting controlled separatel	y from display, orne	mental and display case lighting and	lg) demand resp
automatic controls for retail stores $> 50,000 ft$	', in accordance wit	h Section 131.	***************************************
MANDATORY LIGHTING CONTR	POLS - FIELD	INSPECTION ENERGY	
CHECKLIST	COES - TIELD	INSTECTION ENERGY	Ins
			T
	Number		
Type / Description	of Units	Location in Building	Pass
OCCUPANCY SENSORS	3	RESTRMS, PLUMBING RN	1
			П
		·	
Field Inspector's Notes or Discrepan	cies:		

	DOOR LIGHTING MANDATORY MEASURES LIGHTING CONTROLS AND EQUIPMENT	LTG-MM
	All lighting controls and equipment shall be installed in accordance with manufacturer's instructions.	
X	INDIVIDUAL ROOM / AREA CONTROLS: Each room and area enclosed by ceiling-height partitions is equipped with a separate switch or control	l device
	UNIFORM REDUCTION FOR INDIVIDUAL ROOMS: All rooms and enclosed areas greater than 100 square feet and more than 0.8 watts per square foot of lare multi-level controlled with switches and/or dimmers for uniform reduction of lighting within the release temporary. 1. For lights in corridors 2. Spaces having only one luminaire with no more than 2 lamps	
	DAYLIGHT AREA CONTROL: All rooms and enclosed spaces with combined window and skylight areas that are greater than 250 squ shall have 50 percent of the lighting power in each daylight area controlled separately from other light in the enclosed space and separate lighting controls to control lights in windows independent from lights under skylights.	
X	BUILDING LIGHTING SHUT-OFF: The building lighting shut-off consists of automatic time switch or occupancy sensor with manual over switches. Exeptions: 1. Lighting that must be continuously lit 2. Lighting in corridors, guestrooms, dwelling units of high-rise residential buildings a hotel/motels, and parking garages 3. Up to 0.3 watts per square foot of lighting for building security or emergency egress	nd
	DISPLAY LIGHTING CONTROL: A separate switch shall be used to control lighting for floor and wall display, window display, and case	e display.
	DEMAND RESPONSIVE LIGHTING CONTROLS: Demand responsive automatic lighting controls that uniformly reduce lighting power consumption by a of 15 percent shall be installed in retail buildings with sales foor areas greater than 50,000 square feet.	
	FLUORESCENT BALLAST AND LUMINAIRES CERTIFIED: All fluorescent light fixtures subject to the certification and specified for the project are certified.	
	TANDEM WIRING FOR TWO-LAMP BALLASTS: Tandem wiring for two lamp ballast is used wherever possible.	
	·	

DESIGN & CONSTRUCTION BUILDING DIVISION



Architecture • Construction

30 Van Ness Avenue San Francisco, CA 94102-6028 Suite 4100 (415) 557-4700 Fax (415) 5574701

Project

2008 PARK BOND RESTROOM
REPLACEMENT PROJECT
CONTEMPORARY DESIGN

DUPONT TENNIS COURTS RESTROOM 336 31ST AVE. San Francisco, CA 94121 Block No. 1403- Lot No. 007

BID SET

Consultant

INFRASTRUCTU DEPARTMENT OF CITY & COUNTY OF 30 VAN NESS AVEI SAN FRANCISCO	PUBLIC V SAN FRA NUE, 5TH	VORKS/ NCISCO FLOOR D2-6028
DESIGNED BY:	CEC	9/28/2012
DRAWN BY: CHECKED BY:	CEC DT	9/28/2012
DEPUTY DIVISION MAI DIVISION MANAGER: Date	NAGER:	DATE: DATE:
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Proj. Arch.	NO.	1.1
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Drawing Title

INDOOR TITLE 24 DOCUMENTATION

Sheet No

E-4

Scale NONE

	of Compliance (I	Page 1 of 4) OLTG-1
Project Name: D	UPONT TENNIS COURTS RESTROOMS	Date: 9/12/2012
Project Address:		Total Hardscape Illuminated Area:
3	40 31ST AVE, SAN FRANCISCO 94121	
General Inform	nation	
Phase of Constr		
	ion Author's Declaration Statement hat this Certificate of Compliance documentation is accurate and complete.	
Name C	CHRISTOPHER CAPARRO Signature	lm
Company D	PW, CITY & COUNTY OF SF	9/12/2012
Address 3	O VAN NESS AVE. 5TH FLOOR CI	Applicable EA # EPE #
City/State/Zip S		ione: (415)558–4097
	ghting Designer's Declaration Statement	
•I am eligible	under Division 3 of the California Business and Professions Code to accept res	ponsibility for the lighting design
The degion f		Samuel at the control of the day of the control of
this design	eatures represented on this Certificate of Compliance are consistent with the infinion the other applicable compliance forms, worksheets, calculations, plans and not agency for approval with this building permit application.	
this design enforceme	n on the other applicable compliance forms, worksheets, calculations, plans and ant agency for approval with this building permit application. Signature:	specifications submitted to the
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icat Massa.	ONT TENNIS COURTS RESTROOMS	(Page 4 of 4) Date: 0 /1	2/201	ΓG-1C
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				g Wattag Allowanc
	Lighting power allowance for general hardsc (from OLTG-2C Page 1 of 3)	ape	85	55.5
3	Specific application lighting wattage allowan (from OLTG-2C Page 1 of 3)	nce per unit length		
	Specific application wattage allowance for or (from OLTG-2C Page 1 of 3)	rnamental lighting		
)	Specific application wattage allowance per ap (from OLTG-2C Page 2 of 3)	pplication		
	Specific application lighting wattage allowan (from OLTG-2C Page 2 of 3)	ce per area		elle von Paus von Anna Anna Anna Anna Anna Anna Anna An
,	Additional lighting power allowance for ordin (from OLTG-2C Page 3 of 3)	nance requirements		
}	Total Allowed Wattage = Sum of rows A three	ough F:	85	5.5
I	Total Installed Watts (from Luminaire Sched (from OLTG-1C (Page 2 of 4)	ule,	3	43
ting wattage po	ighting wattage power allowances listed in rows A throug ower allowances taken from OLTG-2C Pages 1 through 3	, complies if Installed	X Yes	□ No
ttage in row H i	is less than or equal to the Total Installed Wattage in row	' G.		
APPACA				,
OTES:	· · · · · · · · · · · · · · · · · · ·			

July 2010

2008 Nonresidential Compliance Forms

Certifi											
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CERTIF	ICATE OF ACCEPTA	NCE, OLTG-2A (Retain	a copy and v	erify forn	n is com	pleted and	signed.)	Fi	eld Ins	pectio	n [
	Luminair	re Schedule	· · · · · · · · · · · · · · · · · · ·				alled W				
A	*	В	С	D	E	How was dete	attage	G	H		l eld ecto
Name Or Item Tag	See food (i.e.: 1 lamp pole-top sho	Description 1 tnote below the box 400 watt metal halide)	Cutoff Designation	Watts per Luminaire	Special Features	Default from NA-8	According to \$130 (d or e)	Number of Luminaires	Installed Watts (D x G)	Pass	
A,A2	36" 1 ROW LEI	D FIXT		49			X	8	343		
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OUTDOOR LIC	SHTING V	VOR	KSHEET						;		(Pa	ge 1 of 3)	OLTG-20
			RTS RESTR								Date:	9/12/20)12
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AREA WATTA	GE ALLOWA	NCE (A	(WA)	I.	INEAR	WATTAG	E AT	LOWANCE	E (LWA)	INIT: WATI ALLOW	AGE	HARDSCA	GENERAL PE LIGHTING DWANCE
A	В		C)		E	F	G		TALAC	H
ILLUMINATED HARDSCAPE AREA	AWA PER SQUARE FOOT		AWA (A X B)			LENGTH O		LWA PER LINEAR FOOT	LWA (D X E)	IW. (WAT		C +	- F + G
185	0.092		17		74	.5		0.92	68.5	77	0	8	55.5
								,					
		Er	nter total into Ol	LTG-1	.C; Page	4 of 4; Rov	v A; L	ighting Powe	r Allowance f	or General H	ardscape:	8	55.5
Yes: AWA, LWA	A, and IWA fr	om Tal	ole 147-A was	used	as appr	opriate for	the C	outdoor Ligh	ting Zone				
B. SPECIFIC API								<u> </u>		(Available	only for	sales fronta	ige)
DETERN	MINE WATTA	GE AI	LOWANCE				LUM	INAIRE TY	PE	D	ESIGN WA	TTS	Ī
A	В		C		D	E		F		G	Н	I	J
Specific Lighting Applicat	Linear Fee	t allo	ales Frontage wance for OLZ (watts per lf)	Allo	attage wance x C)	Name or Symbol		Luminaire	е Туре	Luminaire Quantity	Watts per Luminaire	Design Watts (G x H)	Allowed Watts Minimum of D or I
			-						·				
		. E	Inter total into C	LTG-	1C, Pag	e 4 of 4; Ro	wB;	Specific Appl	lication Lighti	 ng Wattage A	l llowance Pe	r Unit Length	
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			,										
		J	Enter total into (OLTG	-1C; Pa	ge 4 of 4; Ro	ow C:	Specific App	lication Watta	ige Allowance	for Ornam	ental Lighting	

Project Name: DUDONT TE	NNIC COURTS DESTROY		Page 3 of 4) Date: 0 /40 /00	OLTG-1
	NNIS COURTS RESTROC	M2	Date: 9/12/20	112
A. OUTDOOR LIGHTING ZONE				
OUTDOOR LIGHTING ZONE: 🔲 (DLZ 1 🗖 OLZ 2 🔀 OLZ 3 📮	OLZ 4		
Is the Outdoor Lighting Zone: 💢 Def	•	Amend	•	
 The local jurisdiction having author Energy Commission by providing The adopted change is posted on the 	d park, recreation area, wildlife presented 10-114-A, because the site is containity has officially adopted a change to the materials required in \$10-114(does Energy Commission website.	erve, or portion the ned within such a to the State Defaul) to the Executive	ereof, and has been d zone. t Lighting Zone and Director.	esignated as
B. ADDITIONAL LIGHTING PO				
Are additional lighting power allowan Complete the information below if ad-				
about the proposed change. The local jurisdiction having author providing the following materials	llowing a public process that allowerity which adopted specific outdoor required §10-114(f) to the Executive	light levels and ha		
C. ACCEPTANCE FORMS Required Acceptance Tests				
OLTG-2A. The designer is required to certified as meeting the Acceptance Ro requires a test, list the different lightin Reference Appendices Manual describ	equirements for Code Compliance. It g and the number of systems. The N es the test. Since this form will be po	all control devices f all the lighting s A7 Section in the . art of the plans, co	serving the building vstem or control of a Appendix of the Noni mpletion of this secti	or space sh certain type residential ion will allov
OLTG-2A. The designer is required to certified as meeting the Acceptance Rorequires a test, list the different lighting the Reference Appendices Manual describing the second party to budget for the second through the Second Procement Agency: Systems Acceptance. Before Occupant system with controls is installed in the The OLTG-2A form is not considered a checked and/or filled and signed. In a certifies plans, specifications, installating \$10-103(b) of Title 24 Part 6. The field receive final occupancy. A copy of the controls is receive final occupancy.	o check the acceptance tests and list adjuirements for Code Compliance. It is and the number of systems. The New the test. Since this form will be pape of work appropriately. Forms can building or space shall be certified a complete form and is not to be acceptance, it is a Certificate of Acceptance, it is inspector must receive the property	all control devices fall the lighting so A7 Section in the lart of the plans, con be grouped by the structed building cas meeting the Accepted by the enforce forms shall be submaintenance informs filled out and sig	serving the building vstem or control of a Appendix of the Nonimpletion of this section of the S	or space she certain type residential for will allow ntrolled. The new lighting the boxes are ment agency irements of building can
OLTG-2A. The designer is required to certified as meeting the Acceptance Rorequires a test, list the different lightin Reference Appendices Manual describ responsible party to budget for the sconting of the Society of the Acceptance of Cocupan system with controls is installed in the The OLTG-2A form is not considered a checked and/or filled and signed. In a certifies plans, specifications, installa § 10-103(b) of Title 24 Part 6. The field receive final occupancy. A copy of the	check the acceptance tests and list equirements for Code Compliance. It is and the number of systems. The New test he test. Since this form will be people of work appropriately. Forms can building or space shall be certified a complete form and is not to be accessed dition, a Certificate of Acceptance in certificates, and operating and it is not to make the property of the Color of the property	all control devices fall the lighting so A7 Section in the lart of the plans, con be grouped by the structed building cas meeting the Accepted by the enforce forms shall be submaintenance informs filled out and sig	serving the building vistem or control of a Appendix of the Nonimpletion of this section of the	or space she certain type residential fon will allow ntrolled. The new lighting the boxes are the boxes are the boxing irements of building can be to the owner.
OLTG-2A. The designer is required to certified as meeting the Acceptance Rerequires a test, list the different lightin Reference Appendices Manual describ responsible party to budget for the sconting of the Society of the Acceptance of the Society of Title 24 Part 6. The field receive final occupancy. A copy of the society of the Soci	o check the acceptance tests and list adjuirements for Code Compliance. It is and the number of systems. The New the test. Since this form will be pape of work appropriately. Forms can building or space shall be certified a complete form and is not to be acceptance, it is a Certificate of Acceptance, it is inspector must receive the property	all control devices fall the lighting so A7 Section in the lart of the plans, con be grouped by the structed building cas meeting the Accepted by the enforce forms shall be submaintenance informs filled out and sig	serving the building vistem or control of a Appendix of the Nonimpletion of this section of the	or space she certain type residential fon will allow ntrolled. The how lighting the boxes at th
OLTG-2A. The designer is required to certified as meeting the Acceptance Rerequires a test, list the different lightin Reference Appendices Manual describ responsible party to budget for the sconding of the Secondary Systems Acceptance. Before Occupant system with controls is installed in the The OLTG-2A form is not considered a checked and/or filled and signed. In a certifies plans, specifications, installating \$10-103(b) of Title 24 Part 6. The field receive final occupancy. A copy of the	check the acceptance tests and list equirements for Code Compliance. It is and the number of systems. The New test he test. Since this form will be people of work appropriately. Forms can building or space shall be certified a complete form and is not to be accessed dition, a Certificate of Acceptance in certificates, and operating and it is not to make the property of the Color of the property	all control devices fall the lighting so A7 Section in the A1 of the plans, con the plans, controlled by the structed building of the A1 of the enforce forms shall be submaintenance information of filled out and signal luminaire controlled by the controlled by the enforce of the submaintenance information of the submaintenance information of the submaintenance controlled out and signal luminaire controlled by the submaintenance controlled out and signal luminaire controlled by the submaintenance controlled by the submainte	serving the building vistem or control of a Appendix of the Nonimpletion of this section of the	or space she certain type residential fon will allow ntrolled. The new lighting ts. The boxes at the boxes a
OLTG-2A. The designer is required to certified as meeting the Acceptance Rerequires a test, list the different lightin Reference Appendices Manual describ responsible party to budget for the scon Enforcement Agency: Systems Acceptance. Before Occupan system with controls is installed in the The OLTG-2A form is not considered a checked and/or filled and signed. In a certifies plans, specifications, installa §10-103(b) of Title 24 Part 6. The field receive final occupancy. A copy of the the building for their records.	check the acceptance tests and list equirements for Code Compliance. It is and the number of systems. The New test he test. Since this form will be properly of work appropriately. Forms can building or space shall be certified a complete form and is not to be acceptance dition, a Certificate of Acceptance is in a certificate of Acceptance is on certificates, and operating and it in the properly of CLTG-2A for each different lighting turning and its controlled and inspector must receive the properly of Luminaires Controlled	all control devices fall the lighting so A7 Section in the A1 of the plans, con the plans, controlled by the structed building of the A1 of the enforce forms shall be submaintenance information of filled out and signal luminaire controlled by the controlled by the enforce of the submaintenance information of the submaintenance information of the submaintenance controlled out and signal luminaire controlled by the submaintenance controlled out and signal luminaire controlled by the submaintenance controlled by the submainte	serving the building vistem or control of a Appendix of the Nonimpletion of this section of Luminaire control of English and the english of the english must be provided (S) must be provided (Certific	or space she certain type residential fon will allow ntrolled. The new lighting the boxes are the boxes are the boxes are building care of building care.

U'.	TDOOR LIGHTING MANDATORY MEASURES OLTG-MM
X	INSTALLED LIGHTING POWER: Installed lighting power has been determined in accordance with §130(c)1.
7	OUTDOOR LIGHTING:
	All permanently installed outdoor luminaires that have lamps rated over 100 watts have a lamp efficacy of at least 60 lumens per watt or are controlled by a motion sensor.
7	CUTOFF REQUIREMENTS:
3	All outdoor luminaires that have lamps rated greater than 175 watts in hardscape areas including parking lots, building entrances, sales and non-sales canopies, and all outdoor sales areas shall be designated cutoff for light distribution.
XI	OUTDOOR LIGHTING CONTROLS:
ati	All permanently installed outdoor lighting shall be controlled by a photocontrol or astronomical time switch that automatically turns off the outdoor lighting when daylight is available. For any lighting of building facades, parking lots, sales and non-sales canopies, and student pick-up/drop-off zones where two or more luminaires are used, an automatic time switch shall be installed that is capable of turning off the lighting when not needed and reducing the lighting power by at least 50 percent but not exceeding 80 percent or providing continuous dimming through a range that includes 50 percent through 80 percent reduction.

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO

DESIGN & CONSTRUCTION BUILDING DIVISION



Architecture • Construction

30 Van Ness Avenue San Francisco, CA 94102-6028

Suite 4100 (415) 557-4700 Fax (415) 5574701

2008 PARK BOND RESTROOM REPLACEMENT PROJECT CONTEMPORARY DESIGN

DUPONT TENNIS COURTS RESTROOM 336 31ST AVE. San Francisco, CA 94121 Block No. 1403- Lot No. 007

BID SET

Consultant

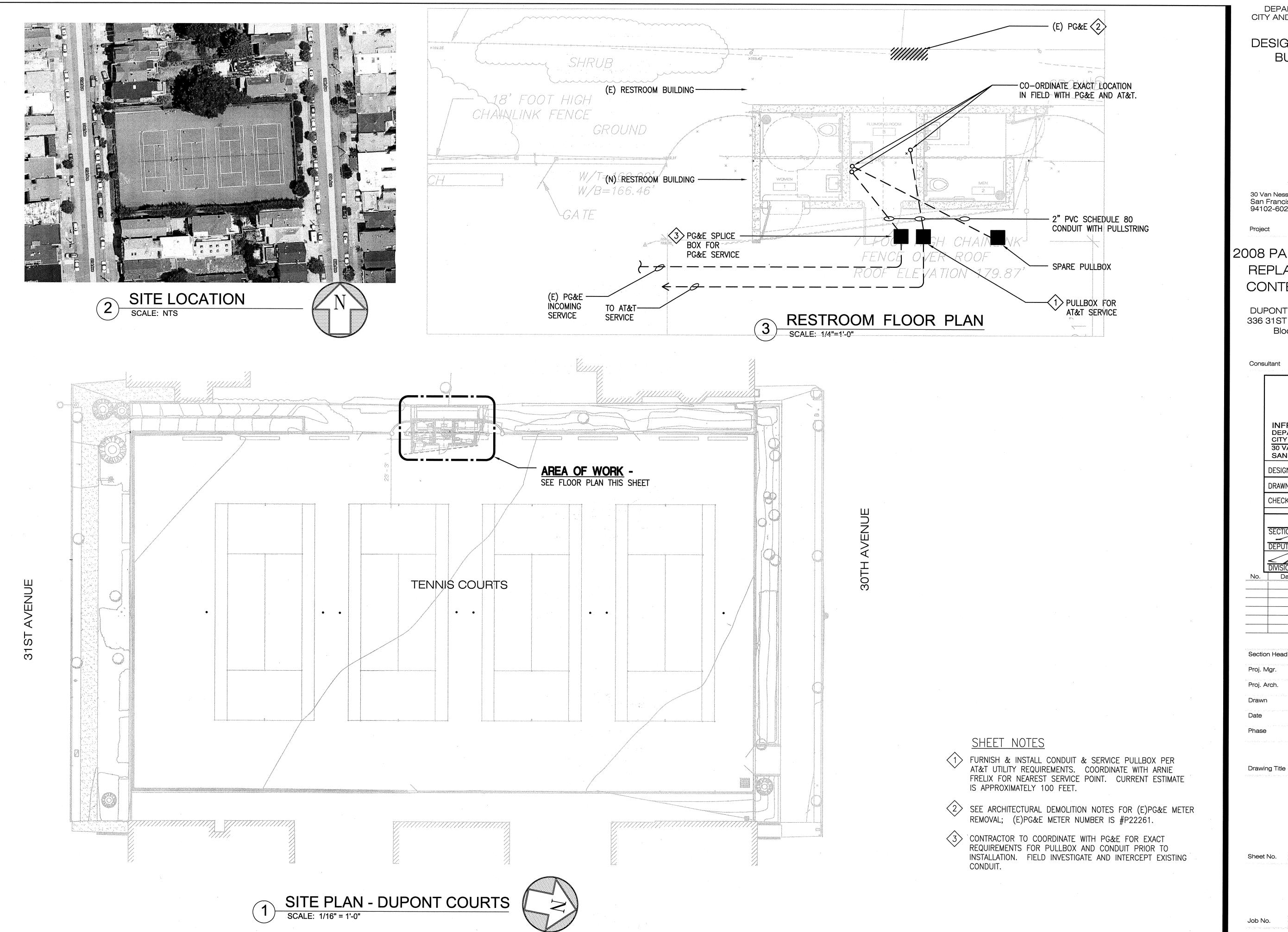
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Drawing Title

OUTDOOR TITLE 24 **DOCUMENTATION**

Job No.



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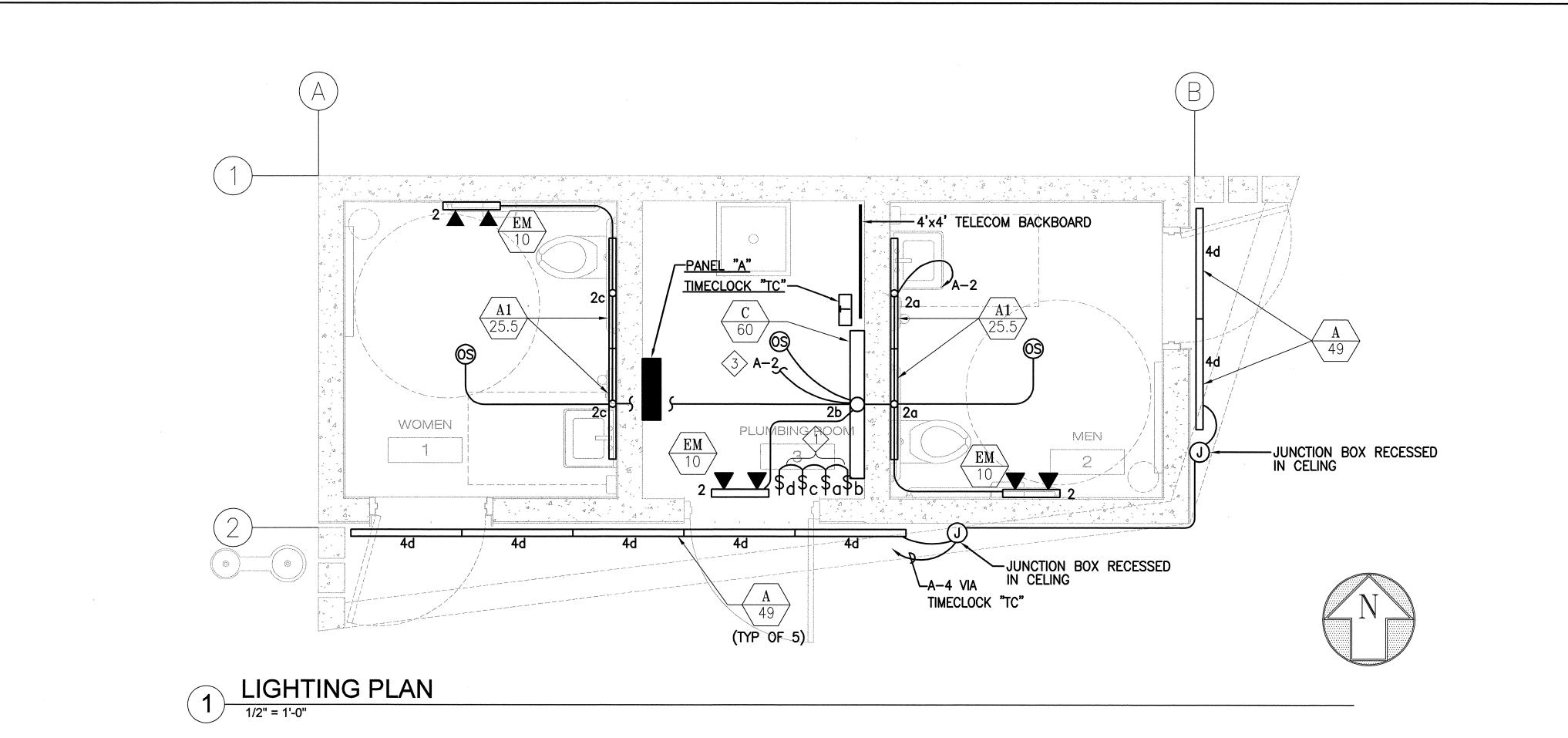
ELECTRICAL SITE PLAN

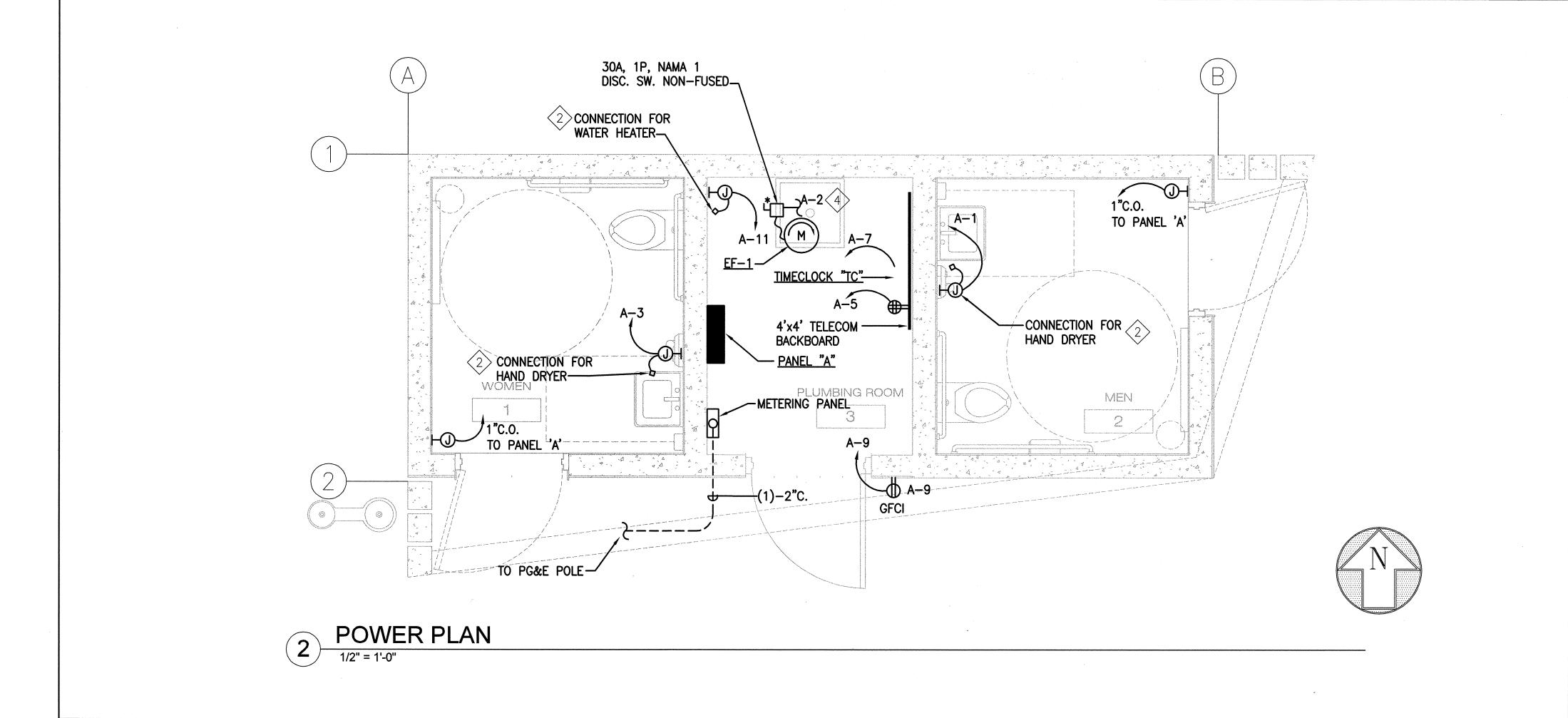
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Scale AS NOTED

3092V-2

NO. E19532





SHEET NOTES

- 1) F/I LOCAKABLE BOX FOR LIGHTING SWITCHES.
- 2 REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT.
- SEE CONTINUATION OF LIGHTING CIRCUIT A-2 ON POWER PLAN.
- FROM LIGHTING CIRCUIT A-2. REFER TO LIGHTING PLAN FOR CONTINUATION.

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Drawing Title

ELECTRICAL LIGHTING PLAN & POWER PLAN

Job No.

Scale 1/2"=1'-0"

3092V-2

		OITAIVE			Ţ ·	LEGEND AND	PIMPOTO				GENERAL NOTES
EV	DESCRIPTION	ABBREV	DESCRIPTION INCIDE DIMENSION	SYMBOL	ABBREV	DESCRIPTION	SYMBOL	ABBREV	DESCRIPTION	1	NDS ARE GENERIC STANDARDS, AND MAY DEPICT
	AT CENTERLINE	l IE	INSIDE DIAMETER or INSIDE DIMENSION INVERT ELEVATION	_		— DETAIL NUMBER		- CR	CONCENTRIC REDUCER		S NOT APPLICABLE TO THIS JOB.
	DIAMETER, ROUND or PHASE	IFC	IN FURRED CEILING	<u>-</u>		— DRAWING NUMBER DETAIL TAG					(GROUNDS ARE FOR CONCEPTUAL REFERENCE
	ABOVE	IFS IFW	IN FURRED SPACE IN FURRED WALL			<i>)</i>		-	ECCENTRIC REDUCER	1	MAY NOT BE CURRENT. SEE APPROPRIATE HITECTURAL DRAWINGS FOR BUILDING DETAILS.
	ACCESS DOOR or AREA DRAIN ABOVE FINISHED FLOOR	IN IN	INCH	<u> </u>		— EQUIPMENT TYPE		- UN	UNION	PIPE	ROUTING IS SHOWN AS A GUIDE AND SHOULD
	ABOVE GRADE	INV	INVERT			— EQUIPMENT NUMBER EQUIPMENT TAG		-	FLEXIBLE PIPE CONNECTOR		OLLOWED AS CLOSELY AS POSSIBLE BUT MAY EFIED AS NECESSARY TO MEET ACTUAL FIELD
	AUTOMATIC AVERAGE	IPC	IN PLUMBING CHASE) \	E33333		TELXIBEL FIFE CONNECTOR	3	DITIONS AND INTERFERENCES. VERIFY WITH
	BELOW	KW LAV	KILOWATTS LAVATORY			— RISER TYPE > RISER TAG		- PG	PIPE GUIDE	PROJ	JECT ARCHITECT/ENGINEER.
	BELOW FLOOR	LAV	POUNDS			— RISER NUMBER		-	PIPE ANCHOR	3 VFRII	FY AT PROJECT SITE, EXACT SIZE, LOCATION, AN
	BELOW FINISHED FLOOR BACKFLOW PREVENTER	LF	LINEAR FEET			CUEST NOTE TAO			THE ANOHOR		RANCE OF EXISTING SERVICES.
	BELOW GRADE	LG LVL	LENGTH LEVEL	(-)		SHEET NOTE TAG	DCVA -	- DCVA	DOUBLE CHECK VALVE ASSEMBLY	A VEDII	FY EXACT INVERT ELEVATION OF POINTS OF
	BOTTOM OF FOOTING	MAX	MAXIMUM	<i>////////</i>		DEMOLITION		- RPBP	REDUCED PRESSURE BACKFLOW PREVENTER	•	NECTION TO EXISTING SERVICES PRIOR TO
	BRAKE HORSEPOWER BUILDING	MBH MECH	THOUSAND BTU PER HOUR MECHANICAL	CTE		THOU THE DEDDEOFNED NEW MORK AND THIS				i e	ALLATION OF NEW BRANCH, MAINS, OR SERVICE
	BELOW SLAB	MFR	MANUFACTURER	· ·		THICK LINE REPRESENTS NEW WORK AND THIN LINE REPRESENTS EXISTING WORK		- RV	RELIEF VALVE	RELU	OCATION.
	BASEMENT BRITISH THERMAL UNIT	MH	MANHOLE		POC	POINT OF CONNECTION	- 科	DTDV	DDECCUDE AND TEMPEDATURE RELIEF VALVE		TING EQUIPMENT PIPING ARE SHOWN ONLY WHER
	BRITISH THERMAL UNIT PER HOUR	MIN MISC	MINIMUM MISCELLANEOUS	•		TOTAL OF CONNECTION		- PTRV	PRESSURE AND TEMPERATURE RELIEF VALVE		ESSARY TO ESTABLISH RELATIONSHIP OR NECTION POINTS WITH NEW WORK. NOT ALL
		(N)	NEW	—— (E) ——	(E)	EXISTING LINE		- NO	NORMALLY OPEN TYPE OF VALVE INDICATED	1	TING PIPING AND EQUIPMENT ARE SHOWN.
	CAPACITY CATEGORY	NA NIC	NOT APPLICABLE NOT IN CONTRACT					- NC	NORMALLY CLOSED VALVE OF TYPE INDICATED	C 1100	AL DEMOVAL OF EVICTIMO FIVELIDES, DEMOVE
	CATCH BASIN	NO	NORMALLY OPEN			PIPE RISER/PIPE UP					N REMOVAL OF EXISTING FIXTURES, REMOVE NECTED BRANCH PIPING AND CAP AT MAIN.
	CAPPED FOR FUTURE	NTS	NOT TO SCALE	-		DIDE DOOD /DIDE DOWN	───	- SOV	SHUT-OFF VALVE		
	CUBIC FEET PER HOUR CAST IRON	0 0C	OPEN ON CENTER			PIPE DROP/PIPE DOWN		-	SHUT-OFF VALVE RISER		ALL PIPING TO BEST SUIT FIELD CONDITIONS AND ROUNDED TO BEST SUIT FIELD CONDITIONS AND ALL PIPER TRADES. THE
	CEILING	OPER	OPERATING			BRANCH TOP PIPE CONNECTION	7			3	VING ARE DIAGRAMMATIC AND SHALL NOT BE
	CLEAN OUT CONCRETE	OPP	OPPOSITE DOGE DRAIN	I		BIVWOIT FOR THE GOTTIEGOTORY	<u> </u>	-	ANGLE VALVE	SCAL	ED FOR EXACT LOCATIONS.
	CONNECT or CONNECTION	ORD	OVERFLOW, ROOF DRAIN			BRANCH BOTTOM PIPE CONNECTION		0.4	CATE MAINE	8. THF	GENERAL LAYOUT OF PIPING ON THE DRAWINGS
	CONTINUATION CLEAN OUT TO GRADE	PDI	PUMP PLUMBING AND DRAINAGE INSTITUTE	L					GATE VALVE	INDIC	CATES BRANCH RUN OUTS TERMINATED AT
	CONNECT TO EXISTING	PH	PHASE			PIPE CAPPED	——————————————————————————————————————	- GC	GAS COCK		'IDUAL GROUPS OF EQUIPMENT. THE PIPING L BE CONSIDERED CONTINUOUS AND FINALLY
	DOMESTIC COLD WATER	PLBG PRV	PLUMBING PRESSURE REDUCING VALVE	_		FLOW IN DIRECTION OF ADDOM	I√I	- PV	PLUGGED VALVE		NECTED TO ALL EQUIPMENT.
	DECK DRAIN DRINKING FOUNTAIN	PSI	POUNDS PER SQUARE INCH			FLOW IN DIRECTION OF ARROW		- CV	CHECK VALVE		
	DOMESTIC HOT WATER	PSIG	POUNDS PER SQUARE INCH GAUGE			PIPE SLOPE DOWN IN DIRECTION OF ARROW		1 1		1	REFERENCES TO BRAND NAMES OR TRADE NAME IHIS SHEET INCLUDES THE PHRASE "OR
	DOMESTIC HOT WATER RETURN DIAMETER	QTY	QUANTITY			THE SECTED SAME IN SINCE THE PROPERTY OF THE P		- SCV	SILENT CHECK VALVE	1	ROVED EQUAL."
	DIMENSION	RD RE	ROOF DRAIN (LINE CONTINUED	 	- PRV	PRESSURE REDUCING VALVE		
	DOWN DOWNSPOUT	REF	REFERENCE						SOLENOID VALVE	1	ITEMS NOT LABELED AS EXISTING SHALL BE BID INSTALLED AS NEW.
	DETAIL	REQD	REQUIRED			PIPING OF TYPE INDICATED BELOW FLOOR OR BELOW GRADE				AND	INSTALLED AS INLW.
	DRAWING	RM RPM	ROOM REVOLUTIONS PER MINUTE				<u></u> ————————————————————————————————————	- SGV	SEISMIC GAS SHUT-OFF VALVE	ł	DEMOLISHED ITEMS SHALL BE REMOVED AND
	DRAINAGE WASTE AND VENT	RS	RELIEF SWITCH			PIPING OF TYPE INDICATED ABOVE FLOOR OR ABOVE CEILING	—————————————————————————————————————	- BLV	BALANCING VALVE		OSED OF AS THE CONTRACTOR'S PROPERTY SS OTHERWISE NOTED.
	EXISTING	RW RWL	(HARVESTED) RAINWATER RAINWATER LEADER	SS	SS	SANITARY SEWER OR WASTE PIPING	————————————————————————————————————	- _{MV}	MIXING VALVE		
	EACH EMERGENCY EYE WASH	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	SEWER				Ē				ORATION OF AREAS DISTURBED BY PLUMBING ROOF DRAINAGE WORK — UNLESS OTHERWISE
	EFFICIENCY (PERCENTAGE)	SAD	SEE ARCHITECTURAL DRAWINGS		\ \ \ \ \	SANITARY VENT		- FS	FLOW SWITCH	1	D IN THE LANDSCAPE PLANS AND/OR
	ELECTRIC or ELECTRICAL ELEVATION	SCHED SD	SCHEDULE STORM DRAIN				- 早	- PS	PRESSURE SWITCH	SPEC	CIFICATIONS, ALL LAWNS, PLANTING AREAS,
	ENGINEER	SF	SQUARE FEET	SD	SD	STORM DRAIN PIPING	<u> </u>	- AST	AQUASTAT		DWAYS, CURBS, PATHWAYS OR OTHER AREAS
	EQUAL EQUIPMENT	SFD	SEE FIRE PROTECTION DRAWINGS	٥٢٥		OVERELOW CTORM DRAIN DIRING	<u> </u>				JRBED BY THE ABANDONMENT AND/OR REMOVAL EXISTING PLUMBING AND ROOF DRAINAGE
	EXPANSION TANK	SHT SJ	SHEET SEISMIC JOINT	—— OFD ——	OFD	OVERFLOW STORM DRAIN PIPING		*****	WATER HAMMER ARRESTER	FACIL	LITIES AND INSTALLATION OF NEW PLUMBING AND
	ELECTRIC WATER HEATER	SK	SINK	——— CD ———	CD	CONDENSATE DRAIN PIPING		- HB	HOSE BIBB		F DRAINAGE FACILITIES WILL BE RESTORED BY CONTRACTOR TO MATCH THE EXISTING
	ENTERING WATER TEMPERATURE	SL SLAD	SLOPE SEE LANDSCAPE ARCHITECT DRAWINGS				—————	-	PUMP	\$	DITIONS IMMEDIATELY ADJACENT TO THE
	FUTURE DEGREE FAHRENHEIT	SMD	SEE MECHANICAL DRAWINGS	· - · - · - · - · - · · - · · · · · · ·	DCW	DOMESTIC COLD WATER PIPING	S		BLIND FLANGE	(STRUCTION AREA AT NO ADDITIONAL COST TO THI
	FRESH AIR VENT TRAP	SP	SWIMMING POOL				天			CITY.	
	FLEXIBLE CONNECTION FLOOR CLEANOUT	SPECS SQ	SPECIFICATIONS SQUARE		DHW	DOMESTIC HOT WATER PIPING	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	- BV	BALANCING VALVE — DHW		
	FLOOR DRAIN	SS	SANITARY SEWER		DHWR	DOMESTIC HOT WATER RETURN PIPING	— LPS —		LOW PRESSURE STEAM		
	FINISHED FLOOR FULL LOAD AMPS	SSK SST	SERVICE SINK STAINLESS STEEL				HPS —		HIGH PRESSURE STEAM		
	FINISHED	STRUCT	STRUCTURAL		RW	(HARVESTED) RAINWATER	CHS		CHILLED WATER SUPPLY		
	FEET PER SECOND	SYST	SYSTEM	TW	l _{TW}	DOMESTIC TEMPERED WATER PIPING	—— CHR ——		CHILLED WATER RETURN		
	FIRE RATED ENCLOSURE FEET	TD TDH	TRENCH DRAIN TOTAL DYNAMIC HEAD	1 **	"	SOMESTIC TEMPLINED WATER THING	— CR —		CONDENSATE RETURN		DRAWING LIST
	FIXTURE UNIT	TEMP	TEMPERATURE	—— G ——	G	GAS PIPING - LOW PRESSURE	D	- D	DRAIN	,	
	GALLONS	TP TYP	TRAP PRIMER or TOTAL PRESSURE				Т	- TF	TEST FITTING	DWG. NO.	DESCRIPTION
	GALVANIZED GENERAL CONTRACTOR		UNDERGROUND	—— TP ——	TP	TRAP PRIMER PIPING	<u> </u>	_	THERMOMETER	P-1	PLUMBING ABBREVIATIONS, SYMBOLS AND LEG
	GENERAL	UG UON	UNLESS OTHERWISE NOTED	, -	\ \n_ \r \	ADEA DDAIN /ELOOD DDAIN	——————————————————————————————————————	- GLV	GLOBE VALVE		GENERAL NOTES AND DRAWING LIST
	GROUND GALLONS PER FLUSH	V	SANITARY VENT or VOLTS		AD/FD	AREA DRAIN/FLOOR DRAIN		- FCV	FLOW CONTROL VALVE	P-2	PLUMBING SCHEDULES
	GALLONS PER FLUSH GALLONS PER HOUR	VIF	VERIFY IN FIELD				P			P-3	PLUMBING SITE PLAN
	GALLONS PER MINUTE	W WBF	WASTE or WATTS WATER BOTTLE FILLER	•	FCO/GCO	FLOOR CLEANOUT/GRADE CLEANOUT		- MGV	GATE VALVE W/ MOTORIZED ACTUATOR		
	GRADE GALVANIZED SHEET METAL	WC	WATER CLOSET		COAMOO	CLEANOLIT /MALL OLEANOLIT	MW	-	MAKE-UP WATER	P-4	PLUMBING FLOOR AND ROOF PLANS
	HEAD or HUB DRAIN	WCO WH	WALL CLEANOUT WATER HEATER or WALL HYDRANT		co/wco	CLEANOUT/WALL CLEANOUT	IVI VV.	14144	WINDLE OF WINDLEN	P-5	PLUMBING DETAILS
	HIGH EFFICIENCY TOILET HORSEPOWER	WHA	WATER HAMMER ARRESTER WATER METER								
		l WM	COMPANIES AND REST		. 1					i	

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BID SET

Consultant

INFRASTRUCTURE DIVISION DEPARTMENT OF PUBLIC WORKS/CITY & COUNTY OF SAN FRANCISCO 30 VAN NESS AVENUE, 5TH FLOOR SAN FRANCISCO, CA 94102-6028 DRAWN BY: MAC 9/28/2012 CHECKED BY: M 9/28/2012 APPROVED Nonte OCT 1 1 2012
SECTION MANAGER: DIVISION MANAGER! 10/11/2012 DATE: Revisions Section Head T. <u>LEUNG</u>

Proj. Arch.

Date SEPTEMBER 2012

Phase

Drawing Title

PLUMBING ABBREVIATIONS, SYMBOLS AND LEGEND, GENERAL NOTES AND DRAWING LIST

Sheet No.

Job No.

P-1

MINIMUM CONNECTION SIZE				M CONNECT	ION SIZE		PLUMBING FIXTURE SCHEDULE
SYMBOL	FIXTURE	TRAP	WASTE	VENT	CW	HW	DESCRIPTION
WC-1	WATER CLOSET	INTEGRAL	4"	2"	1"	_	ADA COMPLIANT, WALL-MOUNTED, EXPOSED TOP SPUD, TYPE 304 STAINLESS STEEL ELONGATED BOWL, 1.28 GPF, BLOWOUT JET FLUSH, 18-INCH INTEGRAL SEAT HEIGHT, CAP NUTS. ACORN ENGINEERING CO. MODEL NO. DURA-WARE 2100-T-FVBO-ADA-CN-PFS OR APPROVED EQUAL. WALL MOUNTED CARRIER (JR SMITH FIGURE 375Y OR APPROVED EQUAL.) TOP SPUD, MANUAL FLUSH VALVE (SLOAN MODEL NO. ROYAL 111-1.28-SG OR APPROVED EQUAL.)
LAV-1	LAVATORY	INTEGRAL	2"	1-1/2"	1/2"	_	ADA COMPLIANT, FRONT ACCESS, TYPE 304 STAINLESS STEEL RECTANGULAR BOWL, OFF-FLOOR, WALL OUTLET, GRID STRAINER W/ CLOSED ELBOW, LAVATORY OVERFLOW. (ACORN ENGINEERING COMPANY MODEL NO. DURA-WARE 1951-1-DMS-9-H1-GE-OF OR APPROVED EQUAL.) ADA COMPLIANT, DECK-MOUNTED, SINGLE SUPPLY METERING SINK FAUCET, 0.35 GPM (CHICAGO FAUCETS MODEL NO. 420-E39VPABCP OR APPROVED EQUAL). COVER PLATE WITH LOCATING PIN AND MOUNTING HARDWARE. (CHICAGO FAUCETS MODEL NO. 240.627.21.1 OR APPROVED EQUAL.) ADA COMPLIANT LAVATORY PIPE INSULATION KIT. (HANDI LAV-GUARD OR APPROVED EQUAL.) INSULATE ALL EXPOSED PIPE, TYP.
MS-1	MOP SINK	INTEGRAL	3"	2"	1/2"	1/2"	ACORN ENGINEERING CO. MODEL NO. PENAL—WARE 1630—TF1—KDG3—KH36—KMH—KWG36—TA OR APPROVED EQUAL. CHICAGO FAUCETS MODEL NO. 835—369CP OR APPROVED EQUAL.
HB-1	HOSE BIBB	INTEGRAL	_	_	1/2"	_	VACUUM BREAKER, JOSAM HYDROSPAN I 71070-90 OR APPROVED EQUAL.
HB-2	HOSE BIBB	INTEGRAL	_	_	1/2"	_	VACUUM BREAKER, MEULLER/B&K MODELS 103-024 AND 108-904RP OR APPROVED EQUAL.

NOTES:

- 1. ALL FIXTURES SHALL BE STAINLESS STEEL. CARRIER SUPPORTS SHALL BE JAY R. SMITH, JOSAM OR APPROVED EQUAL. REFER TO SPECIFICATION 22 00 00 PLUMBING.
- 2. FLUSH VALVES AND FAUCETS SHALL BE LISTED WITH THE CALIFORNIA ENERGY COMMISSION.
- 3. ADA COMPLIANT FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST CALIFORNIA PLUMBING CODE.
- 4. INSTALL PLUMBING FIXTURES AND TRIMS FROM ONE MANUFACTURER FOR UNIFORMITY OF INSTALLATION.

SYMBOL	EWH-1
LOCATION	PLUMBING CHASE
MANUFACTURER	BOSCH
MODEL	ARISTON GL4
INPUT-WATTS	1500
RECOVERY AT 90°F RISE	7.0 GPH
STORAGE(GAL.)	3.85
ELECTRIAL DATA	120V/1ø/60 Hz/12.5 AMPS
WEIGHT (LBS)	17.3

ADJUSTABLE THERMOSTATIC CONTROL

INSTALLATION

INSULATE DHW PIPE

ASME RATED TEMPERATURE AND PRESSURE RELIEF, VALVE

FURNISH ALL WALL MOUNTING ANCHORS FOR PROPER

FCO	FLOOR CLEANOL
FD	FLOOR DRAIN
RD/OD	ROOF DRAIN/ON
 WCO	WALL CLEANOUT
TP	TRAP PRIMER
WHA	WATER HAMMER

PLUMBING SPECIALTIES SCHEDULE								
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.	TOP CONFIGURATION	REMARKS			
FC0	FLOOR CLEANOUT	JAY R. SMITH	Z1400-K-NH-VP	ROUND	ANCHOR FLANGE, NO-HUB OUTLET, VANDAL-PROOF SCREWS.			
FD	FLOOR DRAIN	JAY R. SMITH	Z415-B-VP-NH-P-U	6" ROUND	TYPE "B" STRAINER, VANDAL-PROOF SCREWS, NO-HUB OUTLET, 1/2" TRAP PRIMER CONNECTION, HIGH EXTENSION ADAPTER			
RD/OD	ROOF DRAIN/OVERFLOW DRAIN	JAY R. SMITH	1310/1080	3" ROUND	_			
wco	WALL CLEANOUT	JAY R. SMITH	ZS1468-VP	ROUND	BRONZE TAPER PLUG, ROUND STAINLESS STEEL COVER, AND VANDAL-PROOF SCREW.			
TP	TRAP PRIMER	PRECISION PLUMBING PRODUCTS, INC.	PR-500 SERIES	· —	COMPLIES WITH STATES' LEAD PLUMBING LAW 0.25% MAXIMUM WEIGHTED AVERAGE LEAD CONTENT REQUIREMENT.			
WHA	WATER HAMMER ARRESTER	JAY R. SMITH	HYDROTROL 5000 SERIES	_	COMPLIES WTIH STATES' LEAD PLUMBING LAW 0.25% MAXIMUM WEIGHTED AVERAGE LEAD CONTENT REQUIREMENT.			

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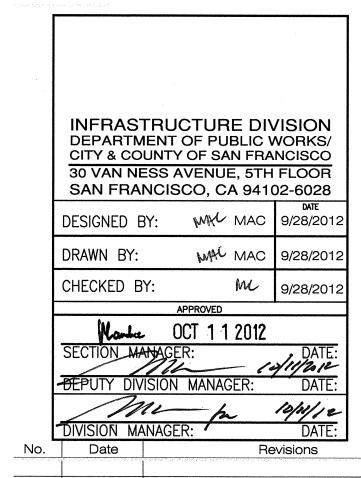
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2008 PARK BOND RESTROOM REPLACEMENT PROJECT CONTEMPORARY DESIGN

DUPONT TENNIS COURTS RESTROOM 336 31ST AVE. San Francisco, CA 94121 Block No. 1403- Lot No. 007

BID SET

Consultant



Section Head

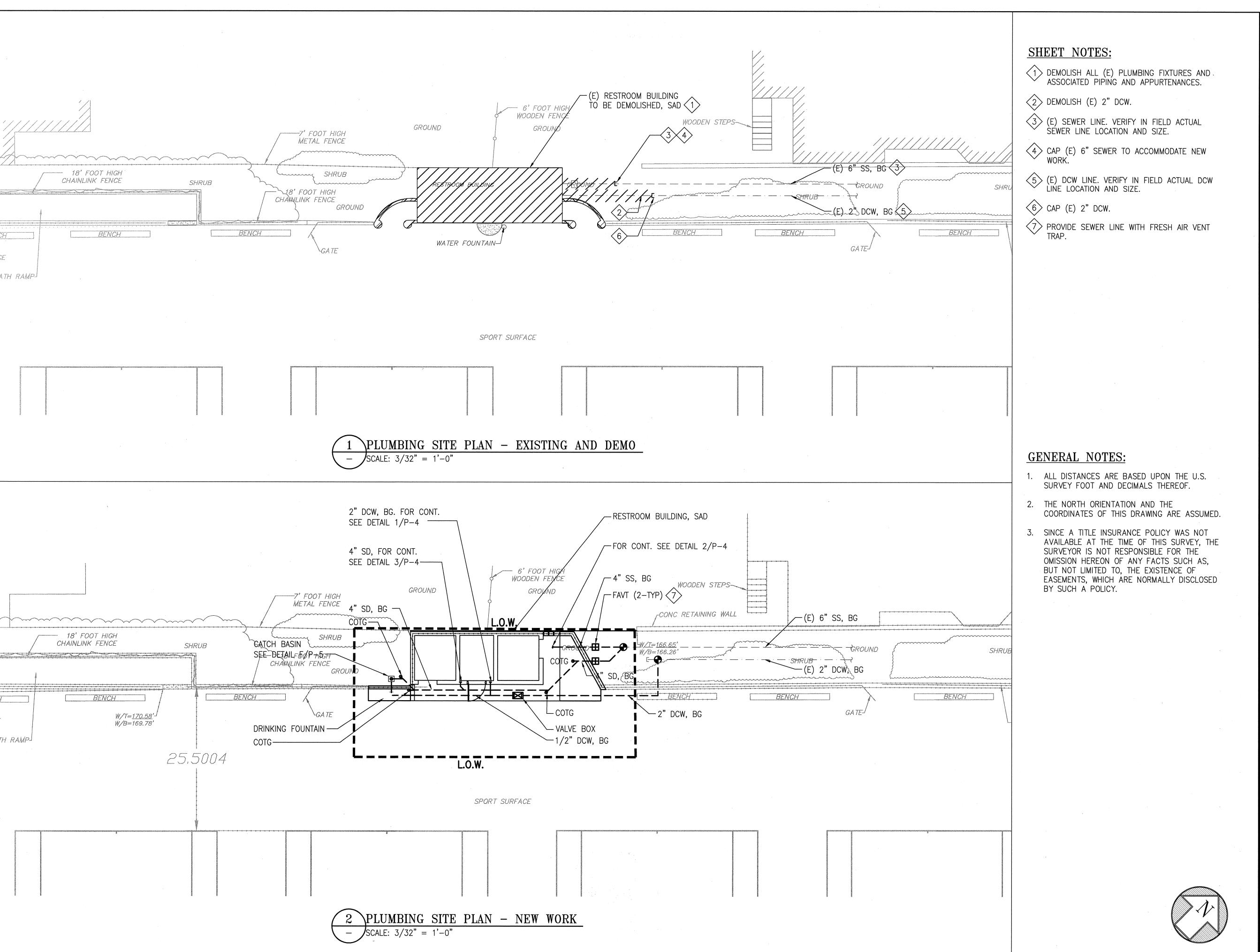
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Drawing Title

PLUMBING SCHEDULES

Sheet No.

Job No.



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No.	Date			Revisions

Section Head Proj. Mgr.

> Proj. Arch. T. LEUNG Drawn

SEPTEMBER 2012

Drawing Title

PLUMBING SITE PLAN

Sheet No.

P-3

AS SHOWN Job No.

Original Sheet Size: 22"x34"

SHEET NOTES: 9 RAINWATER LEADER, SAD FOR EXACT LOCATION. FOR DETAIL, SEE C/P-5. 1> PROVIDE FLOOR DRAIN TRAP PRIMER WITH BALL VALVE. 6 PROVIDE 3/4" TEMPERATURE & PRESSURE 4> PROVIDE ELECTRIC WATER HEATER, EWH-1, COORDINATE EXACT LOCATION WITH ARCHITECT. EWH SHALL BE RELIEF VALVE WITH AN AIR GAP AND SHALL 2 1/2" DCW DOWN TO BELOW SLAB TO FLOOR DRAIN TRAP DISCHARGE TO MOP SINK, MS-1. PROVIDED WITH MOUNTING KIT. REFER TO MANUFACTURER'S PRIMER CONNECTION. SEE DETAIL A/P-5. SAD FOR EXACT INSTALLATION MANUAL FOR MOUNTING INSTRUCTIONS. 7 SAD FOR EXACT LOCATION OF HOSE BIBB, HB. LOCATION OF FLOOR DRAIN. 5 PROVIDE 1/2" DCW AND 1/2" DHW CONNECTIONS TO 8 SEE B/P-6 FOR VTR DETAIL. 3 PROVIDE 2" DCW WITH SHUT-OFF VALVE AT RISER. EWH-1. INSULATE ALL DHW PIPING. ___ CO (TYP) ____ 6" SS, BS ___ 1/2" DCW — 2" SS MS-1LAV-1 6" SS, BG, SEE P-3 FOR CONT.— LAV-1 MS-1 'SS, DN HB-13" SS, BS-- 1/2" DCW [™]3" SS, BS FD-1FD-1 FD-1 7 HB-1 2" V, BS — || FD-1 4 5 6 EWH-1 1/2" DCW— FD-12" SS-WOMEN WOMEN MEN MEN LAV-1 LAV-1 2 2" DCW RISER W/
ISOLATION SHUT-OFF VALVE 7 HB-2 - 2" DCW, BG, SEE PLUMBING ROOM P-3 FOR CONT. PLUMBING ROOM 3 \DCW AND DHW PIPING PLAN 2 SEWER AND VENT PIPING PLAN SCALE: 1/2" = 1'-0"-4" VTR (8) WC-1LAV-1 MS-13" RWL FROM ROOF DN TO
BS (2-TYP) 9 - QD-1- $\mathbb{R}D-1$ FD-1 −3" RWL FROM └ ROOF DN TO
BG (2-TYP) FD-1 WOMEN CO $(2-TYP) \langle 9 \rangle$ MEN LAV-1 4" SD, BS, SEE P-3 FOR CONT.-PLUMBING ROOM -3" SD DN, SEE 3/THIS SHEET FOR CONT. STORM DRAIN PLAN \ROOF PLAN® SCALE: 1/2" = 1'-0"Job No.

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INFRASTRUCTURE DIVISION DEPARTMENT OF PUBLIC WORKS/CITY & COUNTY OF SAN FRANCISCO 30 VAN NESS AVENUE, 5TH FLOOR SAN FRANCISCO, CA 94102-6028 MAC 9/28/2012 DESIGNED BY: DRAWN BY: MAC 9/28/201: W 9/28/201: CHECKED BY: APPROVED Marker OCT 1 1 2012 DEPUTY DIVISION MANAGER: DATE: Loppar DIVISION MANAGER: Revisions

Section Head

Proj. Arch. Drawn

SEPTEMBER 2012

Drawing Title

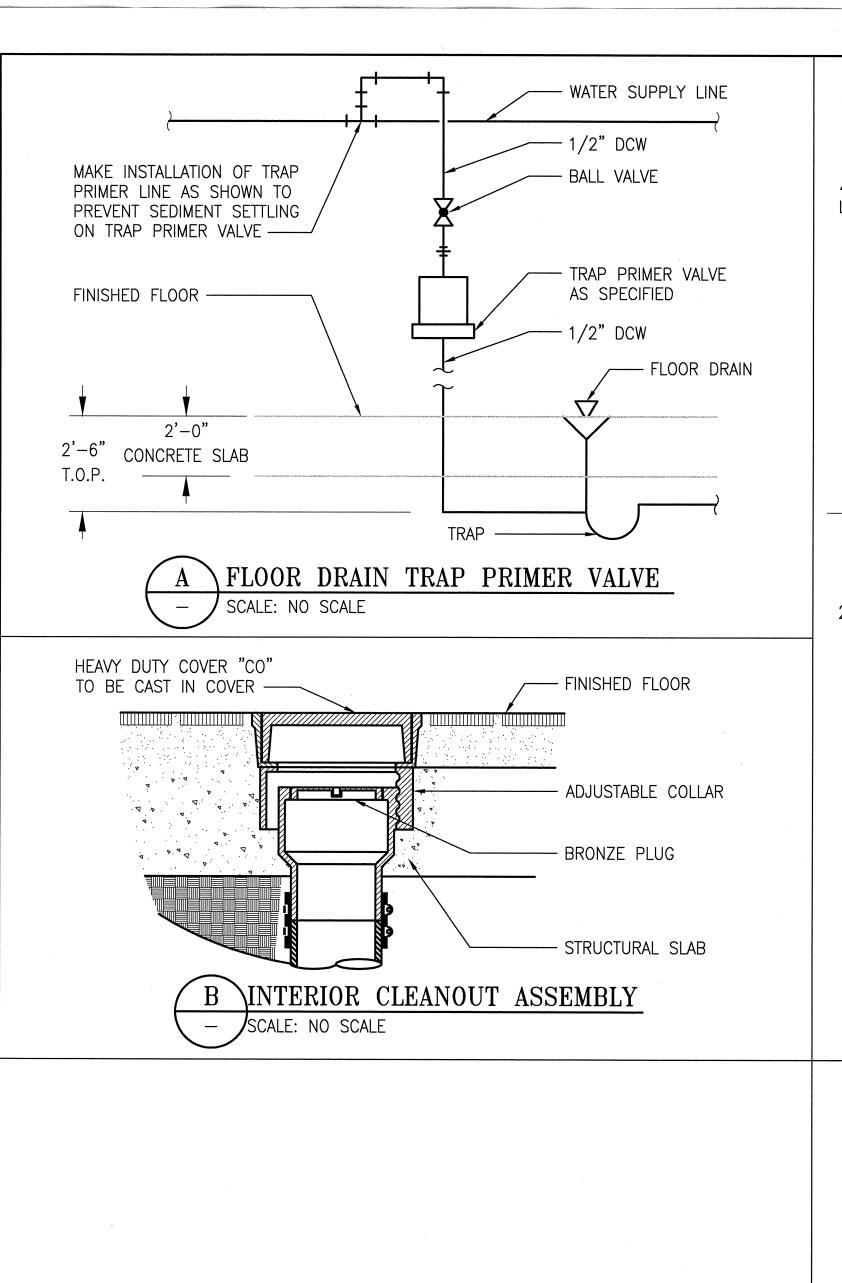
PLUMBING FLOOR AND ROOF **PLANS**

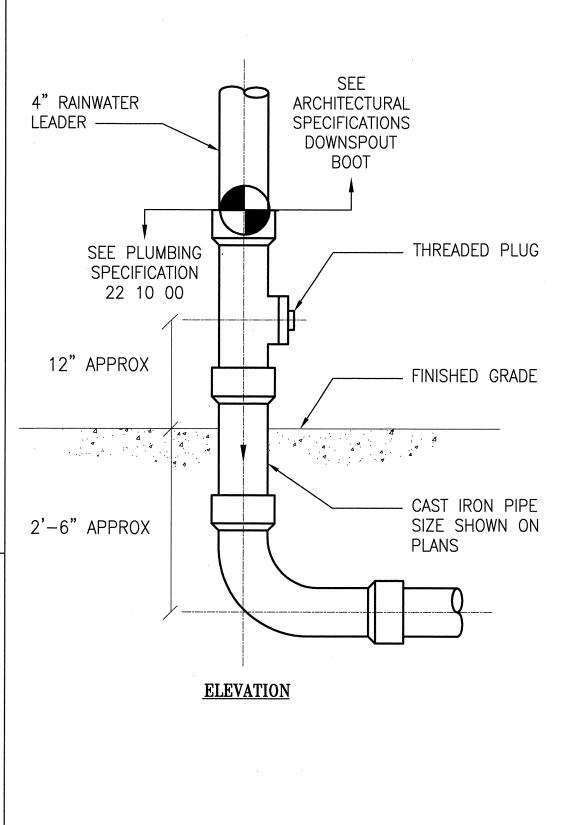
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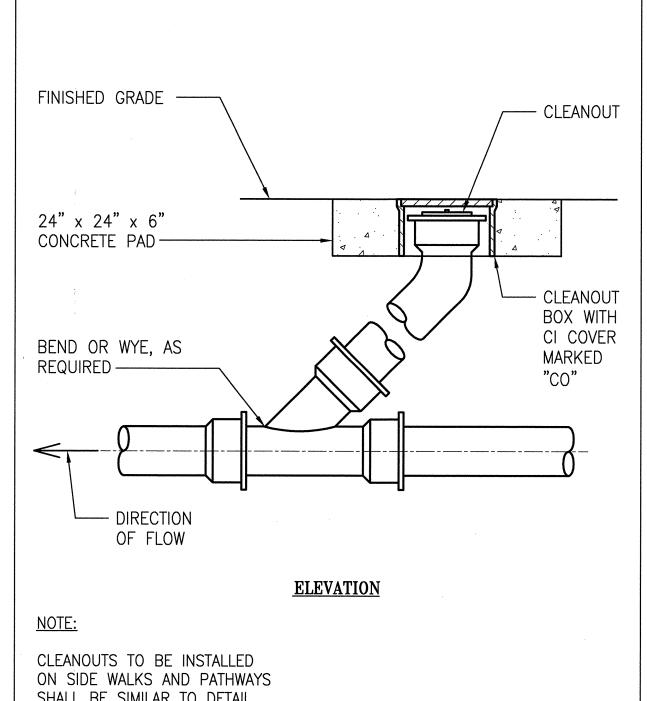
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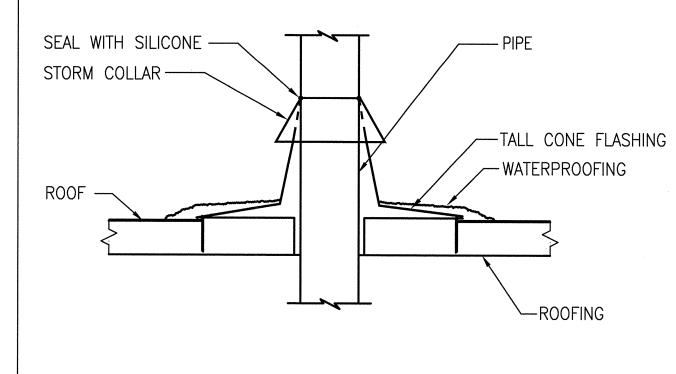
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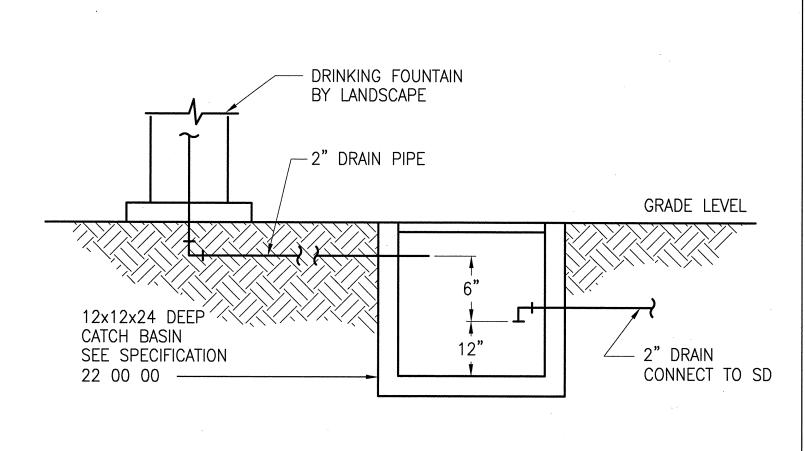


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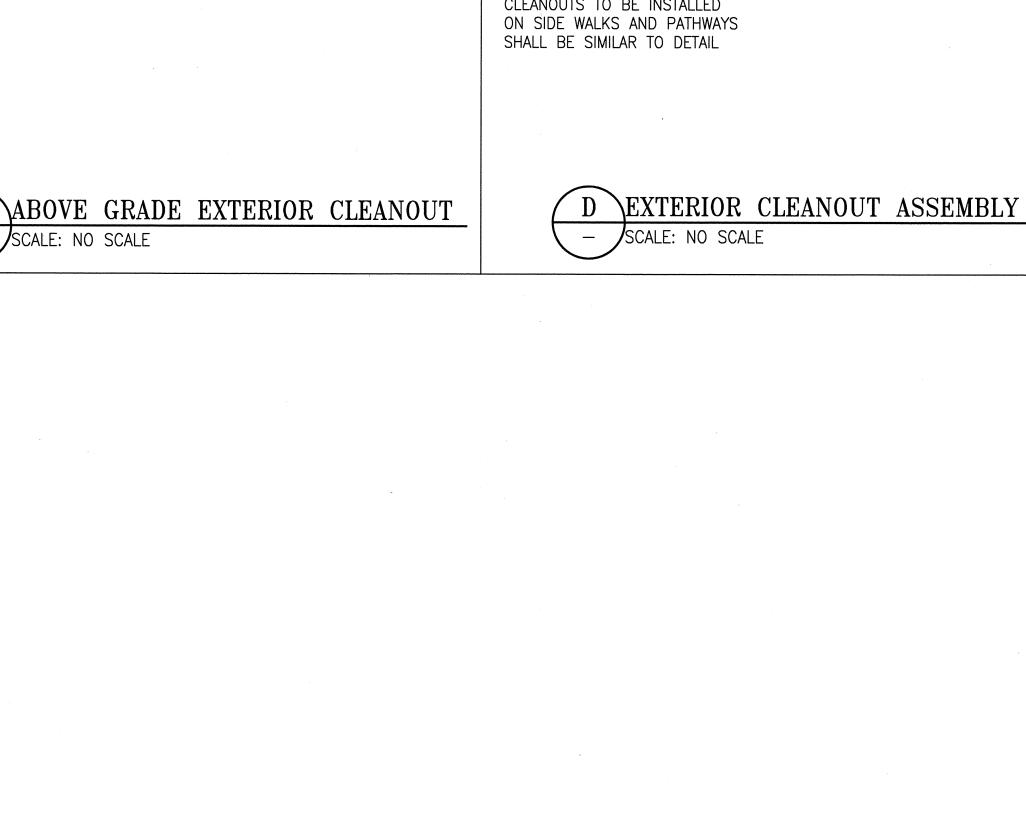




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INFRASTRUCTURE DIVISION DEPARTMENT OF PUBLIC WORKS/CITY & COUNTY OF SAN FRANCISCO 30 VAN NESS AVENUE, 5TH FLOOR **SAN FRANCISCO, CA 94102-6028** MAC 9/28/201: DESIGNED BY: MAC 9/28/201 DRAWN BY: M 9/28/2012 CHECKED BY: Namber OCT 1 1 2012 SECTION MANAGER:

DATE:

DEPUTY DIVISION MANAGER:

DATE: MI 19/1/2012

Section Head SEPTEMBER 2012

Drawing Title

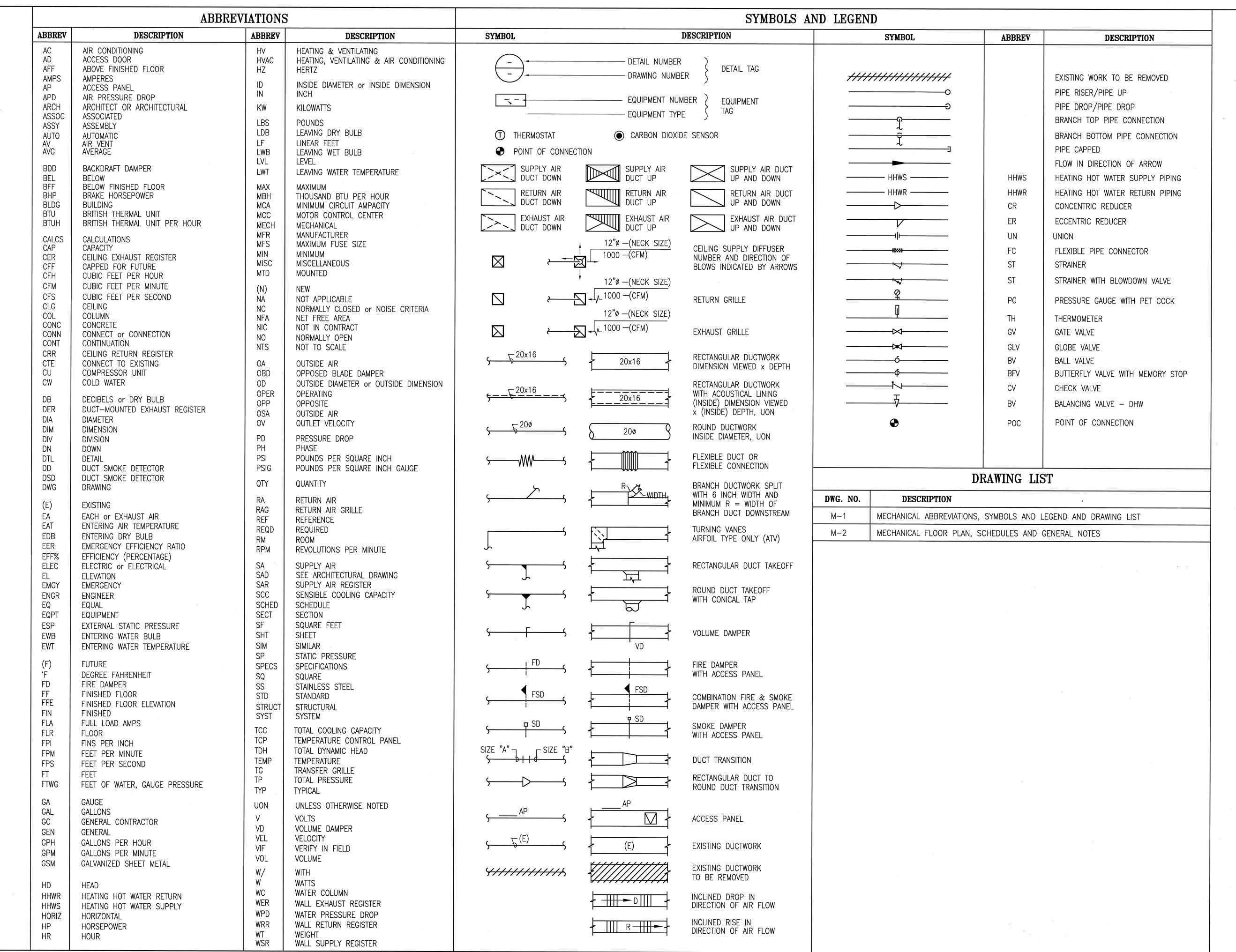
PLUMBING **DETAILS**

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Section Head
T. LEUN

Proj. Mgr.

M. YEE
Proj. Arch.
T. LEUNG

Date
SEPTEMBER 2012

SEPTEMBER 2012 Phase

Drawing Title

MECHANICAL ABBREVIATIONS, SYMBOLS AND LEGEND AND DRAWING LIST

Sheet No.

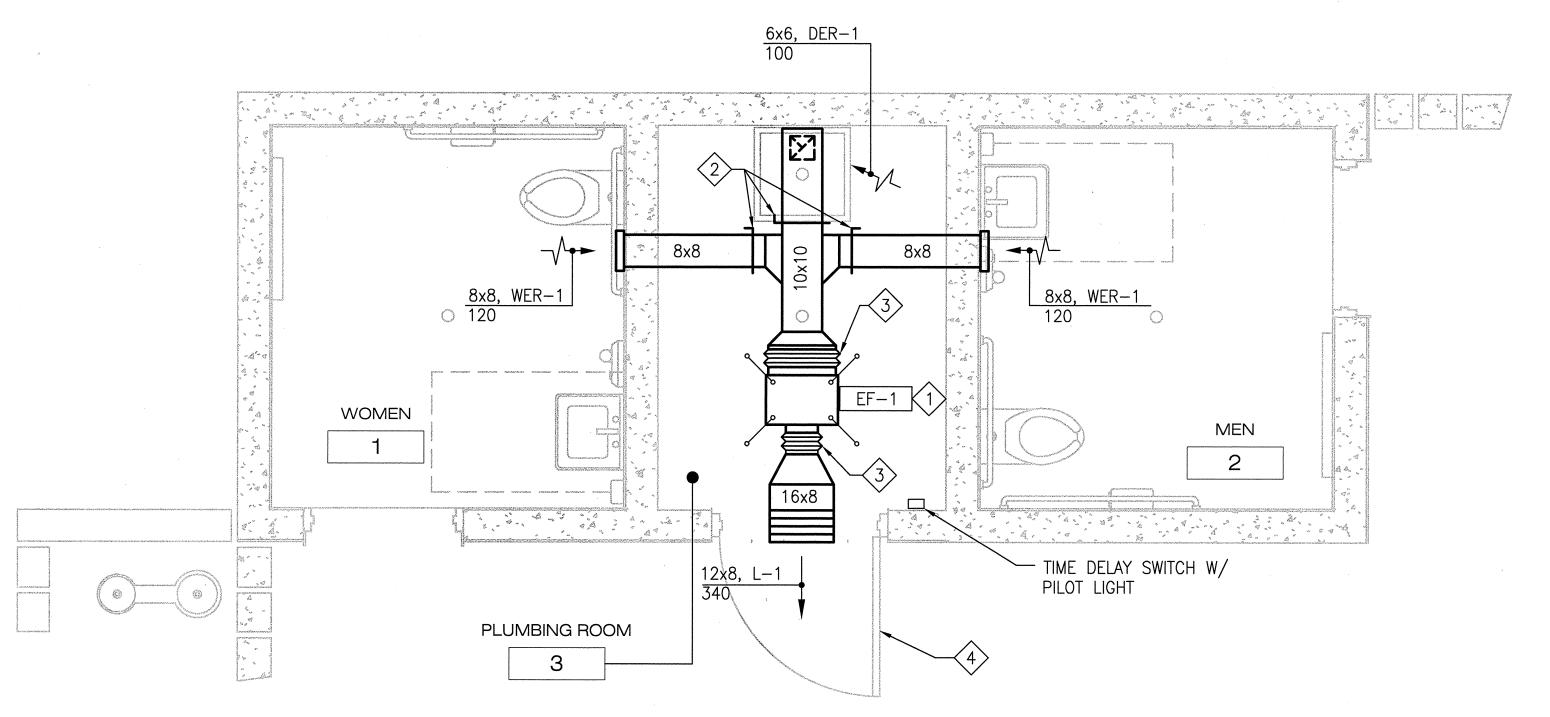
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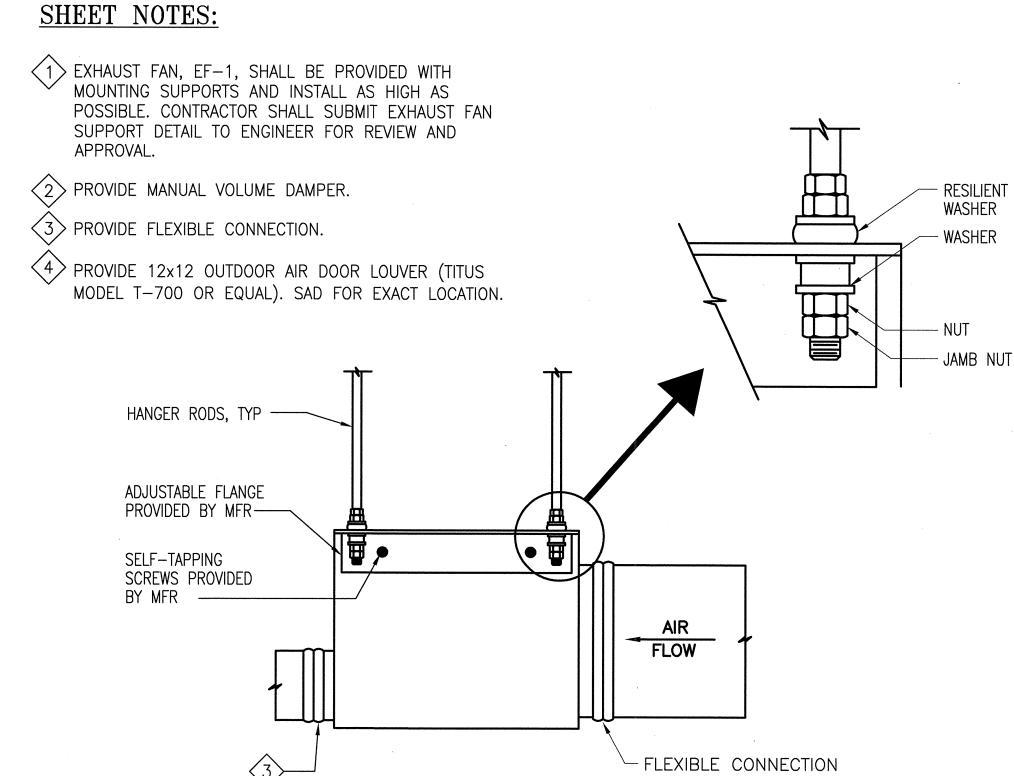
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EF SUPPORT DETAIL

SCALE: NO SCALE

EXHAUST FAN SCHEDULE FAN CAPACITY APPROX. FAN MANUFACTURER REMARKS TAG LOCATION | CFM | RPM MATERIAL | WATTS | AMPS | PH | HZ | AND MODEL NO. "WC (LBS) PLUMBING GALVANIZED GREENHECK (1) THRU (7) EF-1 EXHAUST | 340 | 1,000 | 0.375 | INLINE 135 | 1.87 | 1 | 60 CSP-A410

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

MECHANICAL FLOOR PLAN

EQUIPMENT SHALL BE FURNISHED WITH THE FOLLOWING MINIMUM FEATURES:

- (1) FAN SHALL BEAR AMCA CERTIFIED RATING SEALS FOR BOTH SOUND AND AIR PERFORMANCE, AND SHALL BE UL LISTED.
- (2) MAXIMUM SOUND LEVEL SHALL BE 2.5 SONES.
- (3) INTERLOCK FAN WITH LIGHT CIRCUIT OPERATION SEQUENCE AS FOLLOWS:
 - (A) LIGHT ON IMMEDIATELY, FAN IS ON WITHIN 15 SECONDS.
 - (B) LIGHT OFF IMMEDIATELY, FAN IS FIELD ADJUSTABLE TO RUN FROM 0 TO 10 MINUTES.
- (5) BACK DRAFT DAMPER.
- (6) DIRECT-DRIVEN CENTRIFUGAL FAN.
- (7) HANGING VIBRATION ISOLATORS.

(7) NEMA 12 DISCONNECT SWITCH.

	DIFFUSER/REGISTER SCHEDULE								
TAG	MANUFACTURER MODEL NUMBER	TYPE	CFM	INLET/NECK SIZE	MAX NC	REMARKS			
WER-1	TITUS 350RL	WALL MOUNTED EXHAUST REGISTER	120	8x8	25				
DER-1	TITUS 350RL	DUCT MOUNTED EXHAUST REGISTER	100	6x6	25	1)			
L-1	GREENHECK BVE	BRICK VENT	320	16x8	25	23			

EQUIPMENT SHALL BE FURNISHED WITH THE FOLLOWING MINIMUM FEATURES:

- 1) PROVIDE WITH OPPOSED-BLADE DAMPER.
- (3) BUILT-IN ALUMINUM MESH INSECT SCREEN.
- 2) STRAIGHT DUCT TO MATCH WALL THICKNESS.

GENERAL NOTES

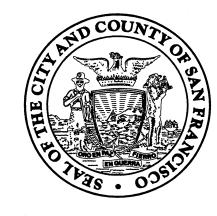
- 1. LEGENDS ARE GENERIC STANDARDS, AND MAY DEPICT ITEMS NOT APPLICABLE TO THIS JOB.
- 2. BACKGROUNDS ARE FOR CONCEPTUAL REFERENCE AND MAY NOT BE CURRENT. SEE APPROPRIATE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING DETAILS.
- 3. DUCT AND PIPING ROUTING IS SHOWN AS A GUIDE AND SHOULD BE FOLLOWED AS CLOSELY AS POSSIBLE BUT MAY BE MODIFIED AS NECESSARY TO MEET ACTUAL FIELD CONDITIONS AND INTERFERENCES. VERIFY WITH THE PROJECT ARCHITECT/ENGINEER.
- 4. ALL AIR SIDE SYSTEMS SHALL BE BALANCED TO DESIGN CONDITION.
- 5. DUCT DIMENSIONS INDICATED ARE NET INSIDE DIMENSION REQUIRED FOR AIR FLOW. INCREASE DUCT SIZE TO ALLOW FOR INSULATION THICKNESS.

- 6. VERIFY AT PROJECT SITE, EXACT SIZE, LOCATION, AND CLEARANCE OF EXISTING SERVICES.
- 7. ALL REFERENCES TO BRAND NAMES OR TRADE NAMES ON SHEETS INCLUDES THE PHRASE "OR APPROVED EQUAL".
- 8. ALL DEMOLISHED ITEMS SHALL BE REMOVED AND DISPOSED OF AS THE CONTRACTOR'S PROPERTY UNLESS OTHERWISE NOTED.
- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL VERIFICATION AND COORDINATION OF EXISTING CONDITIONS AND ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO PURCHASING EQUIPMENT. ALL DISCREPANCIES OR POTENTIAL PROBLEMS SHALL BE BROUGHT TO THE ATTENTION OF THE RPD'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- 10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION AND SHALL REPAIR ADJACENT AND/OR NEW SURFACES. AREAS AND PROPERTY THAT MAY BE DAMAGED AS A RESULT OF DEMOLITION AND/OR NEW WORK.
- 11. EXISTING SYSTEMS SHOWN ON THE DRAWINGS ARE BASED ON INFORMATION CONTAINED IN THE ORIGINAL DESIGN "AS-BUILT" DOCUMENTS AND ON A LIMITED FIELD SURVEY.
- 12. NOT ALL EXISTING SYSTEMS ARE SHOWN TO AID DRAWING INTERPRETATION CLARITY.
- 13. PLANS ARE BASED ON ANTICIPATED EQUIPMENT SIZE AND CONFIGURATION. CONTRACTOR SHALL MODIFY ARRANGEMENT TO SUIT ACTUAL PURCHASED EQUIPMENT AS REQUIRED FOLLOWING THE CRITERIA ESTABLISHED BY THESE PLANS. DEPARTURES FROM THE CONTRACT DRAWINGS RESULTING FROM CHANGES IN EQUIPMENT SIZES AND CONFIGURATIONS, OR REARRANGEMENTS TO ACCOMMODATE FIELD CONDITIONS SHALL BE SUBMITTED IN DETAIL FOR THE PROJECT ARCHITECT/ENGINEER'S APPROVAL.
- 14. IN CASE OF DIFFERENCE BETWEEN BUILDING CODES, SPECIFICATIONS, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS, FIRE INSURANCE CARRIER REQUIREMENTS AND CONTRACT DOCUMENTS, THE MOST STRINGENT SHALL GOVERN. PROMPTLY NOTIFY THE CITY REPRESENTATIVE IN WRITING OF ANY SUCH DIFFERENCE.
- 15. CONFORM TO THE LATEST NFPA 90 "STANDARD FOR THE INSTALLATION OF VENTILATION SYSTEMS."
- 16. DUCTWORK ON DRAWINGS ARE SCHEMATIC AND SHALL BE FABRICATED AND INSTALLED ON ACTUAL FIELD MEASUREMENT. COORDINATE WITH OTHER TRADES AS REQUIRED.
- 17. SUPPORTS FOR ALL DUCTWORK ANG PIPING SHALL BE IN ACCORDANCE WITH SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS.

18. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING MISCELLANEOUS METAL AND SUPPORTS FOR THE PROPER INSTALLATION OF THE PIPE AND DUCT SUPPORTS TO THE BUILDING STRUCTURE.

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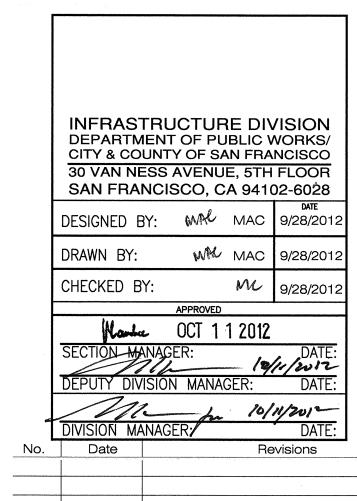
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Consultant



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Drawing Title

MECHANICAL FLOOR PLAN, SCHEDULES AND **GENERAL NOTES**

Sheet No.

M-2

AS SHOWN

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Job No.