GAS FIRED WATER HEATER SCHEDULE											
SYMBOL	MANUFACTURER & MODEL NO.	LOCATION	SERVICE	STORAGE (GAL.)	MBH INPUT	RECOVERY	INLET TEMP *F	OUTLET TEMP °F	OPERATING WEIGHT (LBS.)	THERMAL EFFICIENCY %	REMARKS
WH 1	AO SMITH BTH-500A MXI	SEE PLAN	KITCHEN DOMESTIC HOT WATER	119	500	720	60°	140°	1,915	95	12345

- 1) APPROVED FOR USE IN CALIFORNIA ULTRA LOW NOX TYPE. (2) FULLY AUTOMATIC CONTROLS WITH SAFETY SHUTOFF.
- 3 DIRECT VENT WATER HEATER. 3" PVC PIPE FOR VENTING AND AIR INTAKE. VERIFY SIZE WITH MANUFACTURER PRIOR TO START OF WORK.

 (7) FLECTBLOAL REQUIREMENT: 1201/ COLIT FOR INDOOR USE.
- PROVIDE MANUFACTURER'S VERTICAL FLUE CONDENSATE DRAIN CONNECTION.
- 5 PROVIDE EXPANSION TANK PER MANUFACTURER'S RECOMMENDATIONS.
- 7 ELECTRICAL REQUIREMENT: 120V-60HZ, 5.0AMP
- 8 PROVIDE WITH MANUFACTURER'S CONDENSATE NEUTRALIZING KIT.

		PLU	MBING I	EQUIPI	MENT SCHEDULE
TAG	EQUIPMENT	LOCATION	MANUFACTURER	MODEL	REMARKS
AC 1	AIR COMPRESSOR	AIR COMPRESSOR ROOM	INGERSOLL -RAND	2475N7.5-P	80 GAL VERT RECEIVER. 5 HP, 2 STAGE COMPRESSOR, 24 CFM AT 90 PSI MAX PRESSURE (PSIG) 175, LOW LEVEL SWITCH, AIR COOLED AFTER COOLED, ELECTRIC TANK DRAIN, MAGNETIC STARTER, START UP KIT, ELECTRICAL: 5 HP 230V/3PH. SEE DETAIL 4/P5.4.
CAV 1	COMPRESSED AIR VALVE	APPARATUS BAY	NIBCO	M2-500	PROVIDE BRASS QUICK CONNECT FITTING. COORDINATE WITH OWNER TO PROVIDE FITTING TO MEET OWNER REQUIREMENTS. SEE DETAIL 4/P5.2.
ET 1	EXPANSION TANK	WATER HEATER LOCATION	AMTROL	THERM- X-TROL ST-12	SIZED PER MANUFACTURER'S RECOMMENDATIONS.
GO 1	GAS OUTLET BOX	VARIES	SIOUX CHIEF	696R SERIES	3/4" OUTLET WITH 1/4" TURN OPERATION.
S0 1	SAND & OIL INTERCEPTOR	SEE PLAN	JENSEN PRE-CAST	CL-750	750 GALLON OIL INTERCEPTOR/CLARIFIER. PROVIDE TRAFFIC RATED HEAVY DUTY CAST IRON FRAME AND COVERS WITH GAS TIGHT GASKETS, SAMPLING BOX. SEE DETAIL 6/P5.2 FOR SIZING CALCULATION.
PRV 1	PRESSURE REGULATOR VALVE	AT BUILDING	ZURN WILKINS	500XL	LEAD FREE 2" PRESSURE REGULATOR VALVE WITH STRAINER. FALLOFF OF 6 PSI AT A FLOWRATE OF 34 GPM.
CP 1	HOT WATER CIRCULATION PUMP	WATER HEATER LOCATION	TACO	113	1/8 HP, 115 V, 60HZ, 1Ø, 27 LBS. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE AQUASTAT. 1GPM, 5.1' HEAD LOSS.
PBP 1	REDUCED PRESSURE BACKFLOW PREVENTER	VARIES	WATTS	SERIES 009	PISTON OPERATED WITH HARD DRAWN, SEAMLESS TYPE "K" COPPER BODY. PROVIDE WITH APPROVED ACCESS PANEL AND DRAIN LINE.
TP 1	TRAP PRIMER	VARIES	MIFAB	M2-500	PROVIDE WITH APPROVED ACCESS PANEL. SEE DETAIL 2/P5.1.
TMV 1	THERMOSTATIC MIXING VALVE	WATER HEATER ROOM	WATTS	LFSH1435	ASSE-1017 LISTED. SET TO 120°F. LEAD FREE, BRASS BODY AND CHECKSTOP. SET TO 120° SIZE AND INSTALL PER MANUFACTURER'S INSTRUCTIONS.
TMV 2	THERMOSTATIC MIXING VALVE	LAVATORIES	WATTS	LFMMV-M1	1/2" .ASSE-1070 LISTED. SET TO 110°F. THERMOSTATIC MIXING VALVE SHALL BE INSTALLED ON THE HOT WATER SUPPLY TO FIXTURE. LEAD FREE* CAST COPPER SILICON ALLOY BODY. VALVE SHALL INCLUDE INTEGRAL FILTER WASHERS AND CHECK VALVES AND AN ADJUSTMENT CAP WITH LOCKING FEATURE.
TMV 3	THERMOSTATIC MIXING VALVE	WASHUP SINK (W-1)	WATTS	LFMMV-M1	1/2" .ASSE-1070 LISTED. SET TO 120°F. THERMOSTATIC MIXING VALVE SHALL BE INSTALLED ON THE HOT WATER SUPPLY TO FIXTURE. LEAD FREE* CAST COPPER SILICON ALLOY BODY. VALVE SHALL INCLUDE INTEGRAL FILTER WASHERS AND CHECK VALVES AND AN ADJUSTMENT CAP WITH LOCKING FEATURE.
WHA 1	WATER HAMMER ARRESTOR	VARIES	MIFAB	HAMMERGARD MWH SERIES	
SC 1	SCBA WASHER	DECON	SOLO RESCUE		29 GAL. TANK VOLUME FOR CLEANING HELMETS/GLOVES, 1.6 GPM RINSE VOLUME, 208/24V, 3PH, 40A, 10.W KW @208V, DO NOT PLACE MACHINE DIRECTLY OVER DRAIN.
EX 1	EXTRACTOR	DECON	B&C	HE-65	HEAVY DUTY INDUSTRIAL GRADE HARD MOUNT EXTRACTOR. 65LB CAPACITY, 15A 240V/3PH. SEE ARCHITECTURAL PLANS.
BFP 1	BACKFLOW PREVENTER	WATER FILTRATION SYSTEM	WATTS	9D SERIES	3/4" STAINLESS STEEL DUAL CHECK VALVE BACKFLOW PREVENTER. INSTALL PER MANUFACTURER INSTALLATION RECOMMENDATION.
DI 1	WATER DISPENSER	SEE PLANS	CULLIGAN	ASCENT CT	BOTTLE-LESS, TOUCHLESS SENSOR, WATER DISPENSER, .8 GPM INSTALL WITH MULTI STAGE PURIFICATION FILTRATION. NOTE: CONTRACTOR SHALL COORDINATE INSTALLATION AND EQUIPMENT WITH CULLIGAN.
RO 1	REVERSE OSMOSIS WATER FILTRATION SYSTEM.	SEE PLANS	CULLIGAN	LCRO-100AC	NOMINAL CAPACITY 100 GPD. PRODUCT FLOW 0.07 GPM. PROVIDE WITH INTEGRATED BOOSTER PUMP KIT PER MANUFACTURER SPECIFICATION. NOTE: CONTRACTOR SHALL COORDINATE INSTALLATION AND SERVICE OF SYSTEM WITH CULLIGAN.
GD 1	GARBAGE DISPOSAL	KITCHEN SINK	BADGER	5	1/2 HORSEPOWER, 120V, 1PH, DISPOSAL OR APPROVED EQUAL. INSTALL WITH AIR SWITCH, KOHLER MODEL K-35723. ELECTRICAL TO PROVIDE SWITCHED GFCI OUTLET AND AIR SWITCH CONTROLLER BASE UNIT. SEE ELECTRICAL PLANS.
AGV 1	AUTOMATIC GAS SHUT OFF VALVE	SEE PLAN	ASCO	8215B050CSA	LINE SIZED. NORMALLY OPEN OPERATION. AUTOMATICALLY CLOSES WHEN SIGNAL IS RECEIVED AND MANUALLY OPEN AND RESET ONLY WHEN SIGNAL IS OFF. VALVE SHALL BE INTERLOCKED WITH CALL—IN DISPATCH RADIO FOR SHUT—OFF UPON ACTIVATION. FOR INTERLOCKING, SEE ELECTRICAL DRAWINGS.

	PLU	IMB	ING	FI	XT	URE SCHEDULE
SYMBOL	FIXTURE		MIN. PI	PE SIZE		DESCRIPTION
		CW	HW	٧	S	
WC 1	WATER CLOSET (TANK TYPE)	3/4"		2"	4"	AMERICAN STANDARD "CADET PRO" #3517C.101 ELONGATED TOILET. 1.28 GPF, WHITE VITREOUS CHINA. SEAT: #5901.100 OPEN FRONT SEAT LESS COVER.
$\frac{\sqrt{WC}}{2}$	WATER CLOSET (TANK TYPE, ADA)	3/4"		2"	4"	AMERICAN STANDARD "CADET RIGHT HEIGHT" #3517F.101 ELONGATED TOILET. 1.28 GPF, WHITE VITREOUS CHINA, ADA. LOCATE ACTUATOR AS PER ADA. SEAT: 5901.100. OPEN FRONT SEAT LESS COVER.
LAV 1	LAVATORY (WALL MOUNT, ADA)	3/4"	3/4"	1-1/2"	2"	AMERICAN STANDARD "LUCERNE" #0355.012 LAVATORY. VITREOUS CHINA, FRONT OVERFLOW, FAUCET LEDGE. FAUCET: CHICAGO FAUCET #2200-4E39-VPABCP SINGLE HANDLE, DECK MOUNTED WITH 0.35 GPM AERATOR AND POINT-OF-USE TMV. PROVIDE "LAV-GUARD 2" P-TRAP COVER.
LAV 2	LAVATORY (COUNTERTOP, ADA)	3/4"	3/4"	1-1/2"	2"	AMERICAN STANDARD "AQUALYN" #0476.028 LAVATORY. VITREOUS CHINA, SELF-RIMMING, FRONT OVERFLOW. FAUCET: CHICAGO FAUCET #2200-4E39-VPABCP SINGLE HANDLE, DECK MOUNTED WITH 0.35 GPM AERATOR AND POINT-OF-USE TMV. PROVIDE "LAV-GUARD 2" P-TRAP COVER. PROVIDE PIP UP STRAINER PLUG.
UR 1	URINAL (ADA COMPLIANT)	1-1/2"		1-1/2"	2"	AMERICAN STANDARD PINTBROOK MODEL # 6002.001, TOP SPUD URINAL. INSTALL WITH SENSORED BATTERY OPERATED FLUSHOMETER SLOAN G2 8186-0.125, .125 GALLON PER FLUSH.
S 2	UTILITY SINK	3/4"	3/4"	2"	3"	FIXTURE: JUST MANUFACTURING MODEL #NSFB136-24L-2-J , 61.5 X 27.5 X 14 INCH FLOOR MOUNT SINGLE TWO HOLE SCULLERY SINK WITH DRAINBOARD. 304 STAINLESS STEEL, 16 GAUGE. FAUCET: JUST MANUFACTURING MODEL # JS-47-TGSA GOOSENECK WITH WRIST BLADE HANDLES-BACKSPLASH MOUNT. 1.5 GPM FLOW
KS 1	KITCHEN SINK	3/4"	3/4"	1-1/2"	2"	JUST MANUFACTURING #SLADA-2133-A65-J SINK. TYPE 304, 18 GAUGE STAINLESS STEEL, SELF-RIMMING,4" CENTERS. PROVIDE ADDITIONAL FAUCET HOLE FOR GARBAGE DISPOSAL AIR SWITCH WITH PUSH BUTTON. FAUCET: MOEN "SALORA" #CA7570C SINGLE HANDLE, CHROME PULLOUT FAUCET. PROVIDE DISHWASHER AIR GAP. CONFIRM HOLE PUNCHES FOR KITCHEN SINK FOR INSTALLING DISH WASHER AIR GAP FITTING AND GARBAGE DISPOSAL AIR SWITCH.
LS 1	LAUNDRY SERVICE SINK	3/4"	3/4"	2"	3"	SINK: ELKAY LUSTERTONE MODEL DLR191910PD, 18GUAGE 304 STAINLESS STEEL, 19-1/2" X 19" X 10-1/8" SINGLE BOWL DROP-IN LAUNDRY SINK. FAUCET: ELKAY MODEL LKGT1041, SINGLE HOLE FAUCET PULL-OUT SPRAY AND LEVER HANDLE. FLOW RATE: 1.75 GPM.
SH 1	SHOWER	3/4"	3/4"	1-1/2"	2"	DELTA ARVO MODE 142840-SP-1, PRESSURE BALANCED SHOWER SYSTEM WITH SHOWER HEAD, HAND SHOWER, SHOWER ARM, HOSE, AND VALVE TRIM. FLOW RATE:1.75 GPM
SHD 1	SHOWER DRAIN	1/2"TP		1-1/2"	2"	INSTALL TERRAZZO SHOWER RECEPTOR PER ARCHITECTURAL PLANS
WB 1	CLOTHES WASHER SUPPLY BOX	3/4"	3/4"	2"	3"	GUY GRAY #82064 SUPPLY BOX. HOT DIPPED GALVANIZED STEEL, 20 GAUGE FACEPLATE, 18 GAUGE BOX. DOMESTIC VALVES AND MIP CONNECTON, MALE THREADED DRAIN FITTING.
FD 1	FLOOR DRAIN	1/2"TP		1-1/2"	2"	ZURN #ZN415B-P-Y. CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND COLLAR WITH NICKEL BRONZE STRAINER, TRAP PRIMER CONNECTION AND SEDIMENT BUCKET.
FD 2	FUNNEL DRAIN	1/2"TP		1-1/2"	2"	ZURN #Z1019. CAST IRON BODY WITH BOTTOM OUTLET, WITH BRONZE BOTTOM CLEANOUT PLUG. INSTALL WITH TRAP PRIMER.
$\frac{\overline{FS}}{1}$	FLOOR SINK	1/2"TP		2"	3"	ZURN ZN1900-P-2. 6" SUMP DEPTH, CAST IRON BODY WITH SQUARE SLOTTED LIGHT-DUTY 1/2 GRATE WITH PORCELAIN ENAMEL INTERIOR AND TOP WITH INTERIOR BOTTOM DOME STRAINER AND TRAP PRIMER CONNECTION.
FS 2	FLOOR SINK	1/2"TP		2"	4"	ZURN ZN2376-NH4. CAST 8" SUMP DEPTH, IRON BODY WITH SQUARE SLOTTED LIGHT-DUTY 1/2 GRATE WITH PORCELAIN ENAMEL INTERIOR AND TOP WITH INTERIOR BOTTOM DOME STRAINER AND TRAP PRIMER CONNECTION.
MS 1	MOP SINK	3/4"	3/4"	2"	3"	AMERICAN STANDARD "FLORWELL" #7741.000. ENAMELED CAST IRON, CORNER MODEL. PROVIDE AMERICAN STANDARD #7745.811 VINYL RIM GUARD. FAUCET: CHICAGO FAUCETS #897-CP. VACUUM BREAKER, PAIL HOOK, WALL BRACE.
HB 1	HOSE BIBB	3/4"				ZURN #Z1305-VB ANTI-FREEZE WALL HYDRANT. ENCASED HYDRANT WITH BRONZE BODY, ALL BRONZE INTERIOR PARTS, KEY OPERATED CONTROL VALVE, STAINLESS STEEL BOX WITH HINGED COVER WITH LOCK.
HB 2	HOSE BIBB	1"				PROFLO #PFXEM7502 FROST-PROOF YARD HYDRANT. LEVER OPERATED CONTROL VALVE, GALVANIZED PIPE AND ROD. LEAD FREE COMPLIANT. INSTALL WITH BACKFLOW PREVENTER.
HD 1	FIRE RISER HUB DRAIN			2"	4"	PROVIDE 6" TO 4" HUB DRAIN RISER. SEE DETAIL 1/P5.2.
IM 1	ICE MAKER SUPPLY BOX	1/2"				GUY GRAY #BIM875AB SUPPLY BOX. HOT DIPPED GALVANIZED STEEL, 20 GAUGE FACEPLATE, 18 GAUGE BOX.
AD 1	AREA DRAIN	1/2"TP		2"	4"	ZURN #ZN415S-HD-P. CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND COLLAR WITH HEAVY DUTY TRAFFIC RATED GRATE, AND TRAP PRIMER CONNECTION.



CONSULTANT:

Vista, CA 92081
760.560.0100

08-22-25 #2024-03417

JO JO/ZC PP MP

PROJECT ADMINISTERED BY: SAN BERNARDINO COUNTY PROJECT & FACILITIES MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

PROJECT NAME:

SAN BERNARDINO COUNTY FIRE DEPARTMENT: FIRE STATION 227

PROJECT # 10,10,1202 CIP #22-105

APN Part of 0154-281-01

I80 W. 38TH STREET SAN BERNARDINO, CA 92405

ISSUE INFORMATION:						
DATE:	INFORMATION:					
9-11-24	D.D.s					
10-26-24	PROGRESS					
12-20-24	95% CDs					
03-14-25	Plan Check 🛆					
05-09-25	Plan Check 🛆					
07-25-25	BID SET					
08-25-25	BID SET					

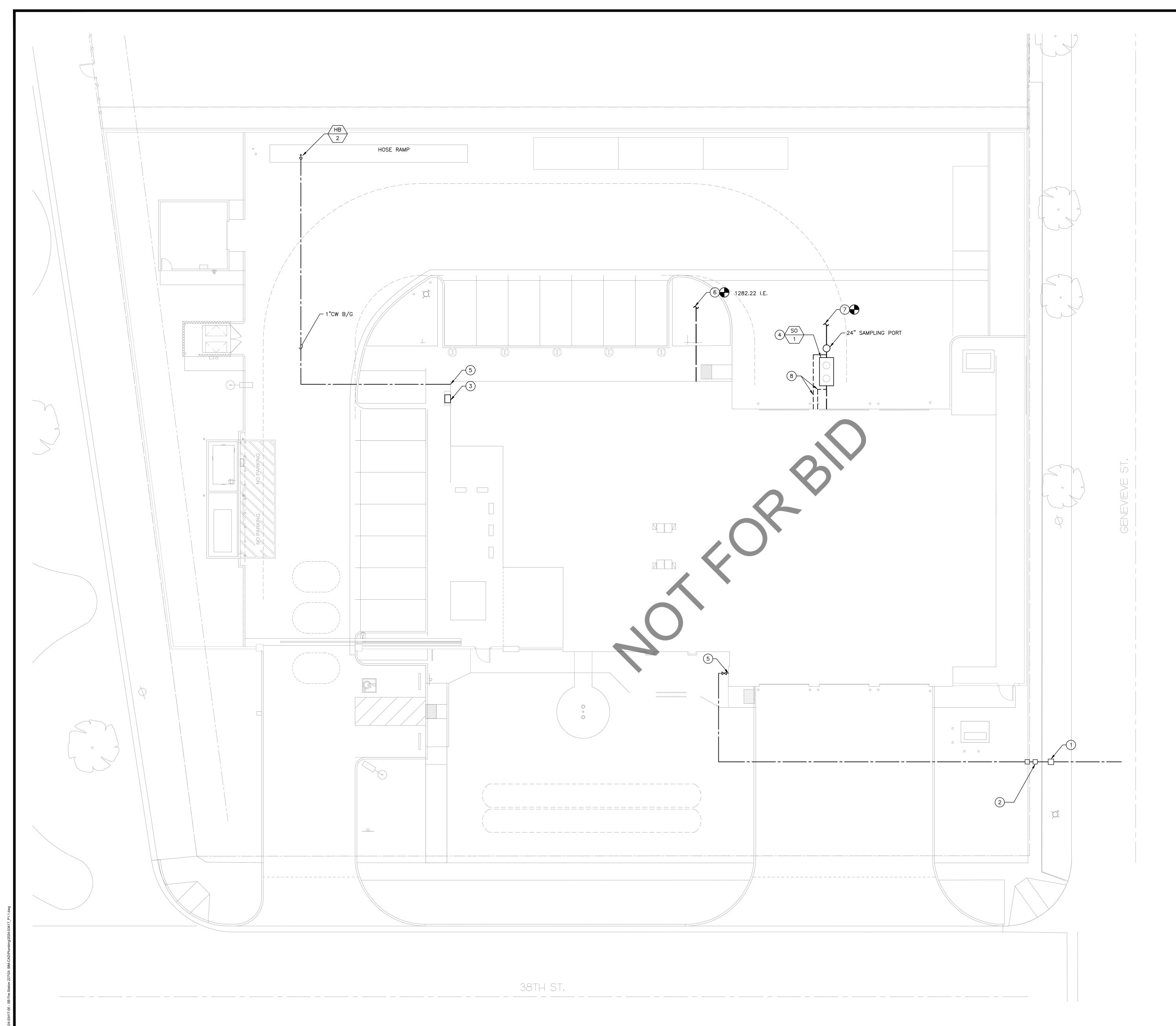
SHEET INFORMATION:

STK PROJECT NO.: 374-193-24 AS NOTED DATE: DECEMBER 2024 PLOT DATE: DRAWING NAME:



PLUMBING SCHEDULES

P0.3



- A. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- B. ALL PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.
- C. VERIFY EXACT SIZE AND LOCATION OF ALL PLUMBING CONNECTIONS TO MECHANICAL EQUIPMENT PRIOR TO START OF WORK. IN NO CASE SHALL THE CONNECTION SIZE BE LARGER THAN THE BRANCH PIPING SIZE.

KEY NOTES

- 1) 2" WATER SERVICE AND METER PER CIVIL PLAN.
- 2 2" BACKFLOW PREVETNER. REFER TO CIVIL PLAN FOR DETAIL.
- 3 PROPOSED LOCATION OF GAS METER. OBTAIN APPROVAL FROM GAS UTILITY COMPANY PRIOR TO BEGIN WORK.
- 4 LOCATION OF SAND AND OIL INTERCEPTOR PER CIVIL PLANS.

 5 PEFER TO SHEET B2.3 FOR CONTINUATION
- (5) REFER TO SHEET P2.3 FOR CONTINUATION.
- 6 4" SEWER POINT OF CONNECTION TO SITE SEWER PER CIVIL PLAN.
- 7 4" SEWER REFER TO CIVIL FOR CONTINUATION.
- (2)2" VENT BELOW GRADE. ROUTE AND EXTEND TO EXTERIOR WALL AND UP TO ABOVE CEILING. CONNECT TO VENT THROUGH ROOF.

FINISHED FLOOR ELEVATION: 1287.0

UPSTREAM MANHOLE INVERT ELEVATION: XX
CONTRACTOR SHALL FIELD VERIFY EXACT
ELEVATION PRIOR TO START OF WORK. IN CASE
OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS,
INFORM THE ARCHITECT AND ENGINEER IN
WRITING BEFORE PROCEEDING FURTHER.

BACKWATER VALVE MAY BE REQUIRED. PENDING COORDINATION WITH CIVIL ENGINEER.



42095 ZEVO DR., TEMECULA, CALIFORNIA 9
Phone: 951.296.9110 Fax: 951.296.6079 Email: st

CONSULTANT:

PROJECT ADMINISTERED BY:

SAN BERNARDINO COUNTY

PROJECT & FACILITIES

MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

ECT NAME:

SAN BERNARDINO COUNTY FIRE DEPARTMENT: FIRE STATION 227

PROJECT # 10.10.1202 CIP #22-105

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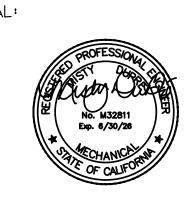
180 W. 38TH STREET SAN BERNARDINO, CA 92405

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INFORMATION:			
D.D.s			
PROGRESS			
95% CDs			
Plan Check 🗘			
Plan Check 🛕			
BID SET			
BID SET			

SHEET INFORMATION:

STK PROJECT NO.: 374-193-24
SCALE: AS NOTED
DATE: DECEMBER 2024
PLOT DATE: —

DRAVING NAM



SHEET TITLE

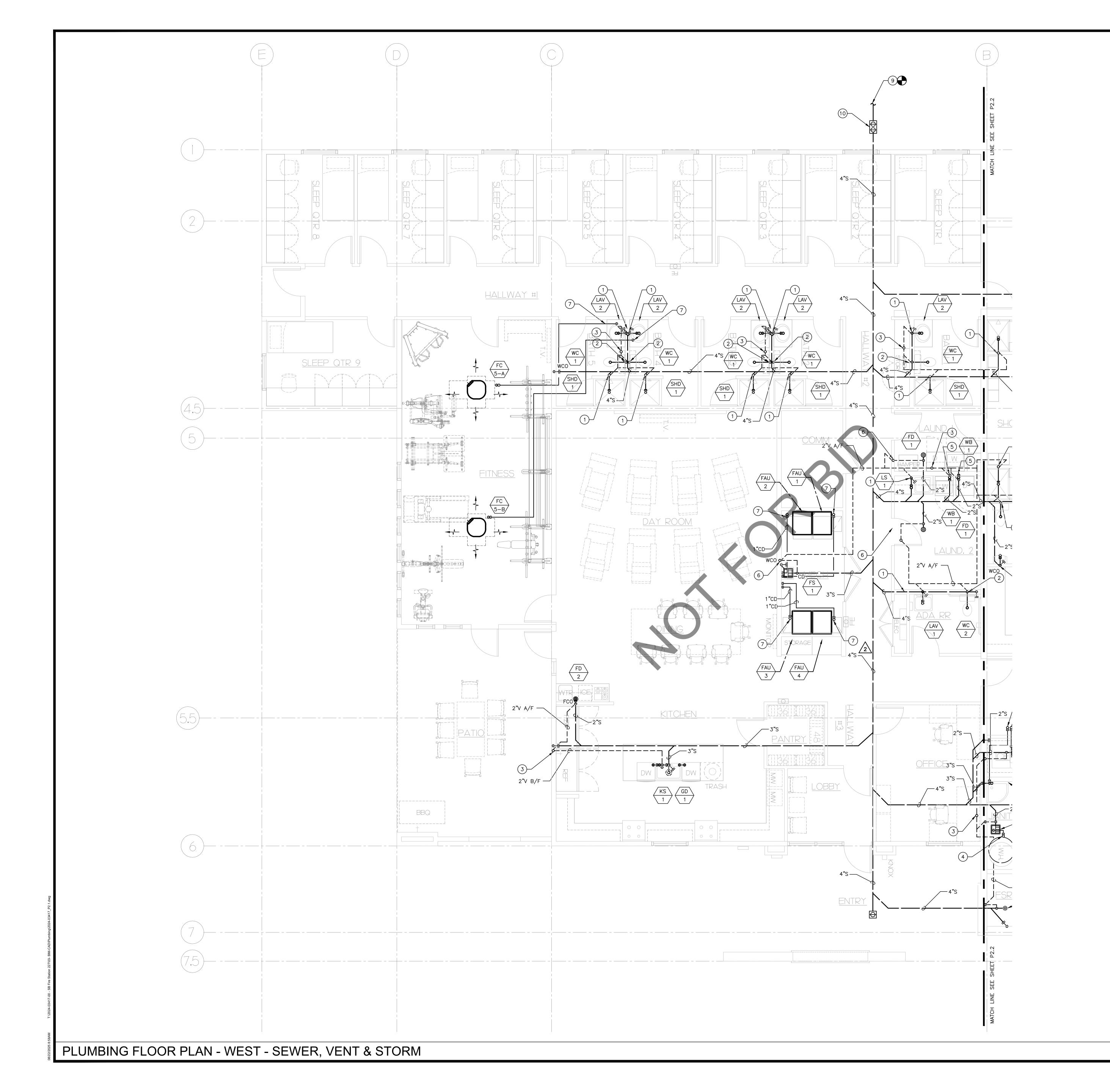
PLUMBING SITE PLAN

SLIEET NO:

P1.1



SCALE: 3/32"=1'-0"



- A. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- B. ALL PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.
- C. VERIFY EXACT SIZE AND LOCATION OF ALL PLUMBING CONNECTIONS TO MECHANICAL EQUIPMENT PRIOR TO START OF WORK. IN NO CASE SHALL THE CONNECTION SIZE BE LARGER THAN THE BRANCH PIPING SIZE.

KEY NOTES

- 1) 2" SEWER DOWN. 1-1/2" VENT UP.
- 2 4" SEWER DOWN. 2" VENT UP.
- 3 2" VENT THROUGH ROOF. TERMINATE 10' AWAY FROM ANY AIR INTAKE. REFER TO DETAIL 10/P5.1.
- WATER HEATER T & P AND CONDENSATE DRAIN TO FLOOR SINK. INSTALL WITH APPROVED AIR GAP. REFER TO WATER HEATER DETAIL 3/P5.1.
- (5) 2" SEWER DOWN. 2" VENT UP.
- (6) 2" VENT FROM BELOW FLOOR UP TO ABOVE CEILING.
- 7 1" CONDENSATE DRAIN TO FLOOR SINK. INSTALL WITH AIR GAP. REFER TO DETAIL 11/P5.1.

 (8) NOT USED.
- 8 NOT USED.
- 9 CONNECT 4" SEWER TO SITE SEWER. REFER TO CIVIL PLAN FOR CONTINUATION.
- (10) 2-WAY CLEANOUT. REFER TO DETAIL 1/P5.2



Phone: 951.296.9110 Fax: 951.296.6079 Email: stk@stkinc.com

PROJECT ADMINISTERED BY:
SAN BERNARDINO COUNTY
PROJECT & FACILITIES

MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

PROJECT NAME:

SAN BERNARDINO COUNTY FIRE DEPARTMENT: FIRE STATION 227

PROJECT # 10.10.1202 CIP #22-105

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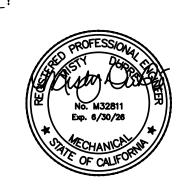
180 W. 38TH STREET SAN BERNARDINO, CA 92405

ISSUE INFORMATION:					
DATE:	INFORMATION:				
9-11-24	D.D.s				
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05-09-25	Plan Check 🛕				
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SCALE: AS NOTED
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PLOT DATE: -

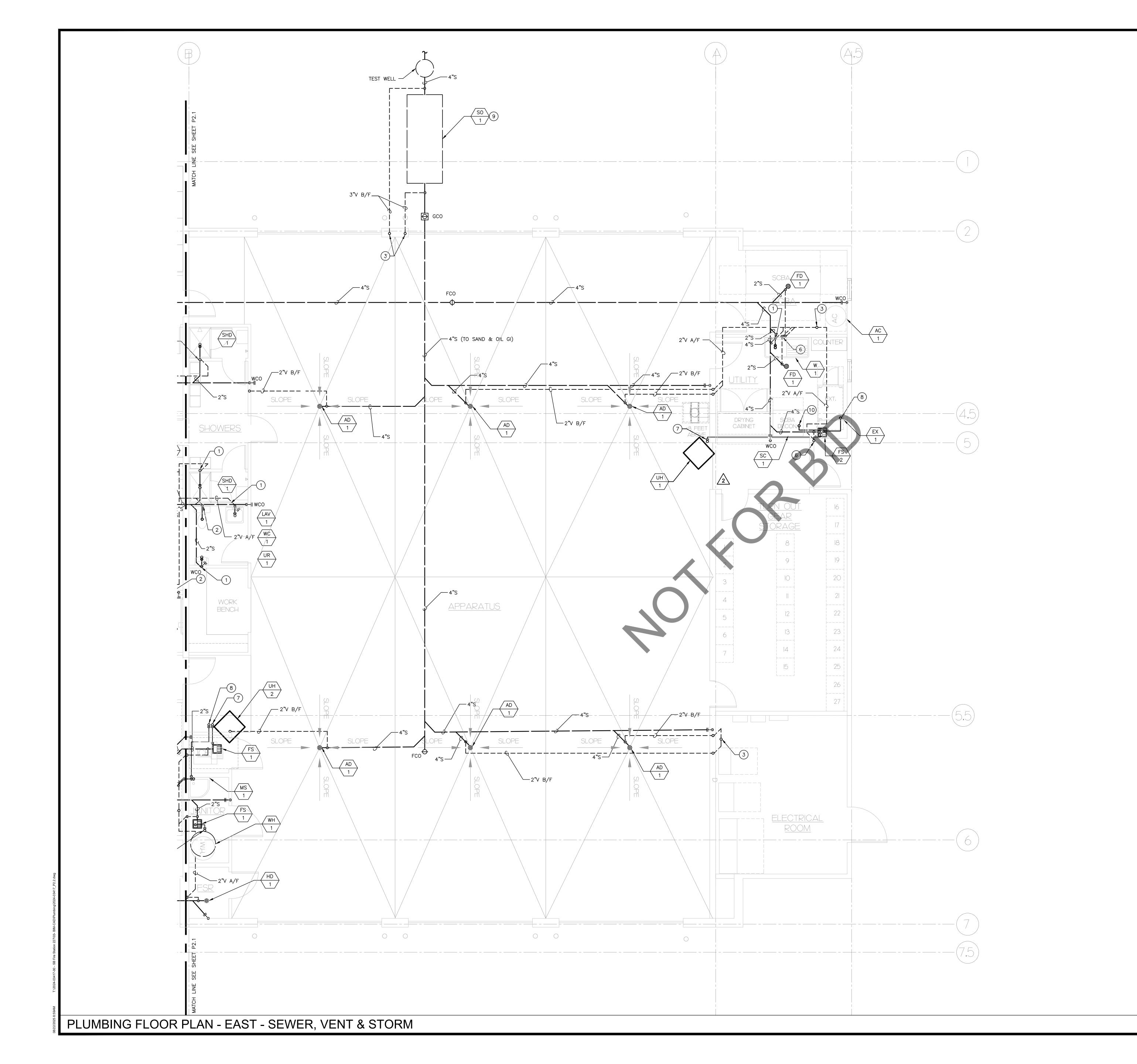
SFAL:



PLUMBING
FLOOR PLAN
WEST - SEWER,
VENT & STORM

SLIFET NO:

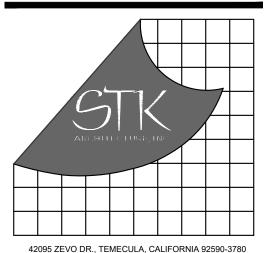
SCALE: 1/4"=1'-0"



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KEY NOTES

- (1) 2" SEWER DOWN. 1-1/2" VENT UP.
- (2) 4" SEWER DOWN. 2" VENT UP.
- 3 2" VENT THROUGH ROOF. TERMINATE 10' AWAY FROM ANY AIR
- WATER HEATER T & P AND CONDENSATE DRAIN TO FLOOR SINK. INSTALL WITH APPROVED AIR GAP.
- (5) 2" SEWER DOWN. 2" VENT UP.
- (6) 2" VENT FROM BELOW FLOOR UP TO ABOVE CEILING.
- (7) 1" CONDENSATE DRAIN TO FLOOR SINK. INSTALL WITH AIR GAP
- (8) DRAIN EXTRACTOR INDIRECTLY INTO FS-2.
- (9) REFER TO DETAIL 6/P5.2 FOR OIL AND SAND INTERCEPTOR.
- 1-1/4" INDIRECT WASTE FROM SCBA TO FLOOR SINK. INSTALL WITH AIR GAP.



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PROJECT ADMINISTERED BY: SAN BERNARDINO COUNTY PROJECT & FACILITIES MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

SAN BERNARDINO COUNTY FIRE DEPARTMENT: FIRE STATION 227

PROJECT # 10.10.1202 CIP #22-105

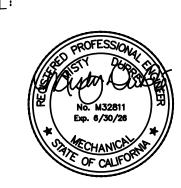
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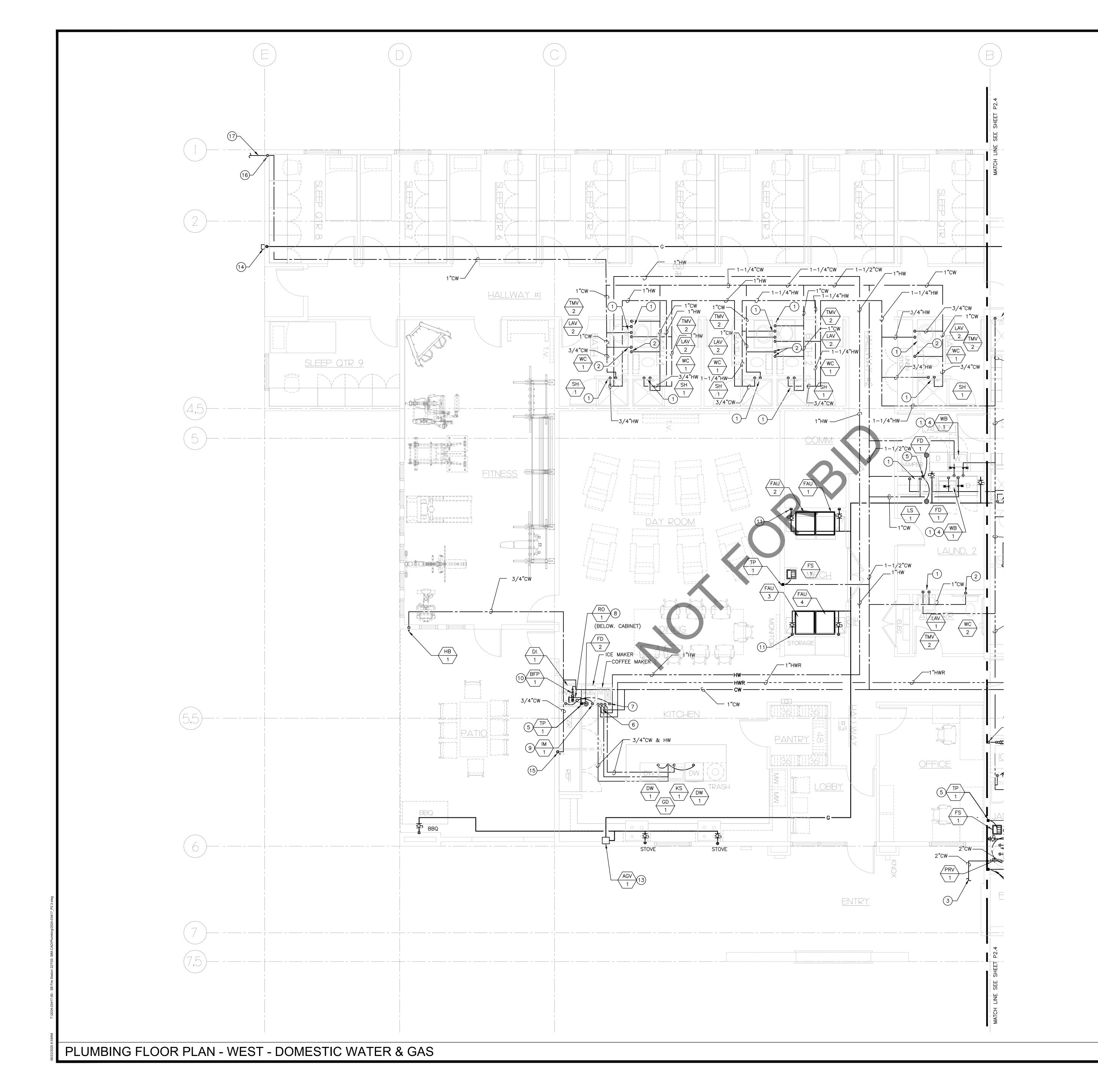
SHEET INFORMATION:

DECEMBER 2024 PLOT DATE:



SHEET TITLE:
PLUMBING FLOOR PLAN EAST - SEWER, **VENT & STORM**

SCALE: 1/4"=1'-0"

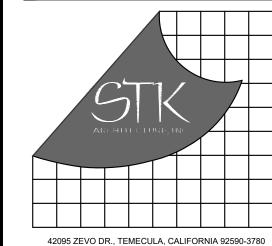


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- C. VERIFY EXACT SIZE AND LOCATION OF ALL PLUMBING CONNECTIONS TO MECHANICAL EQUIPMENT PRIOR TO START OF WORK. IN NO CASE SHALL THE CONNECTION SIZE BE LARGER THAN THE BRANCH PIPING SIZE.

KEY NOTES

- (1) 3/4" HW & CW IN WALL DOWN TO FIXTURE
- 2 3/4" CW IN WALL DOWN TO FIXTURE
- 3) SEE P1.1 FOR CONTINUATION.
- 4 SEE DETAIL 8/P5.1 FOR WASHER BOX CONNECTION.
- 5 1/2" CW FROM TRAP PRIMER TO FLOOR DRAIN/SINK. REFER TO DETAIL. 12/P5.1
- 6 1-1/4" HW & CW IN WALL DOWN TO BELOW FLOOR. EXTEND AND CONNECT TO FIXTURES AT ISLAND COUNTER.
- 7) 1/2" FILTERED WATER TO COFFEE MACHINE.
- (8) 3/4" CW DOWN TO BELOW CABINET TO RO SYSTEM.
- (9) 1/2" FILTERED WATER TO UNDER COUNTER ICE MAKER.
- 10) PROVIDE ACCESS PANEL AND DRAIN LINE PER MANUFACTURER GUIDE LINE FOR RPBP-1.
- 11) REFER TO DETAIL 5/P5.1 FOR EQUIPMENT GAS CONNECTION (TYP).
- AUTOMATIC GAS SHUTOFF VALVE. COORDINATE ACCESS PANEL LOCATION WITH ARCHITECTURAL PLANS. REFER TO ELECTRICAL PLANS
- PROPOSED LOCATION OF GAS METER. COORDINATE LOCATION WITH ARCHITECTURAL PLANS. OBTAIN APPROVAL FROM GAS UTILITY COMPANY PRIOR TO INSTALLATION.
- 15) PROVIDE HOSE BIB CONNECTION FOR FUTURE REFRIGERATOR AND ICE MAKER.
- 1" CW IN WALL DOWN TO BELOW FLOOR. ROUTE AND CONNECT TO HOSE RAMP OUTSIDE THE BUILDING.
- 17) REFER TO SHEET P1.1 FOR CONTINUATION.

FOR POWER CONNECTIONS AND REQUIREMENT.



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08-22-25 #2024-03417
www.salasobrien.com

PROJECT ADMINISTERED BY:

SAN BERNARDINO COUNTY

PROJECT & FACILITIES

MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

PROJECT NAME:

SAN BERNARDINO
COUNTY FIRE
DEPARTMENT:
FIRE STATION 227

PROJECT # 10.10.1202

CIP #22-105

APN Part of 0154-281-01

180 W. 38TH STREET SAN BERNARDINO, CA 92405

ISSUE INFORMATION:						
DATE:	INFORMATION:					
9-11-24	D.D.s					
10-26-24	PROGRESS					
12-20-24	95% CDs					
03-14-25	Plan Check 🛆					
05-09-25	Plan Check 🖄					
07-25-25	BID SET					
08-25-25	BID SET					

SHEET INFORMATION:

STK PROJECT NO.: 374-193-24
SCALE: AS NOTED
DATE: DECEMBER 2024
PLOT DATE: -

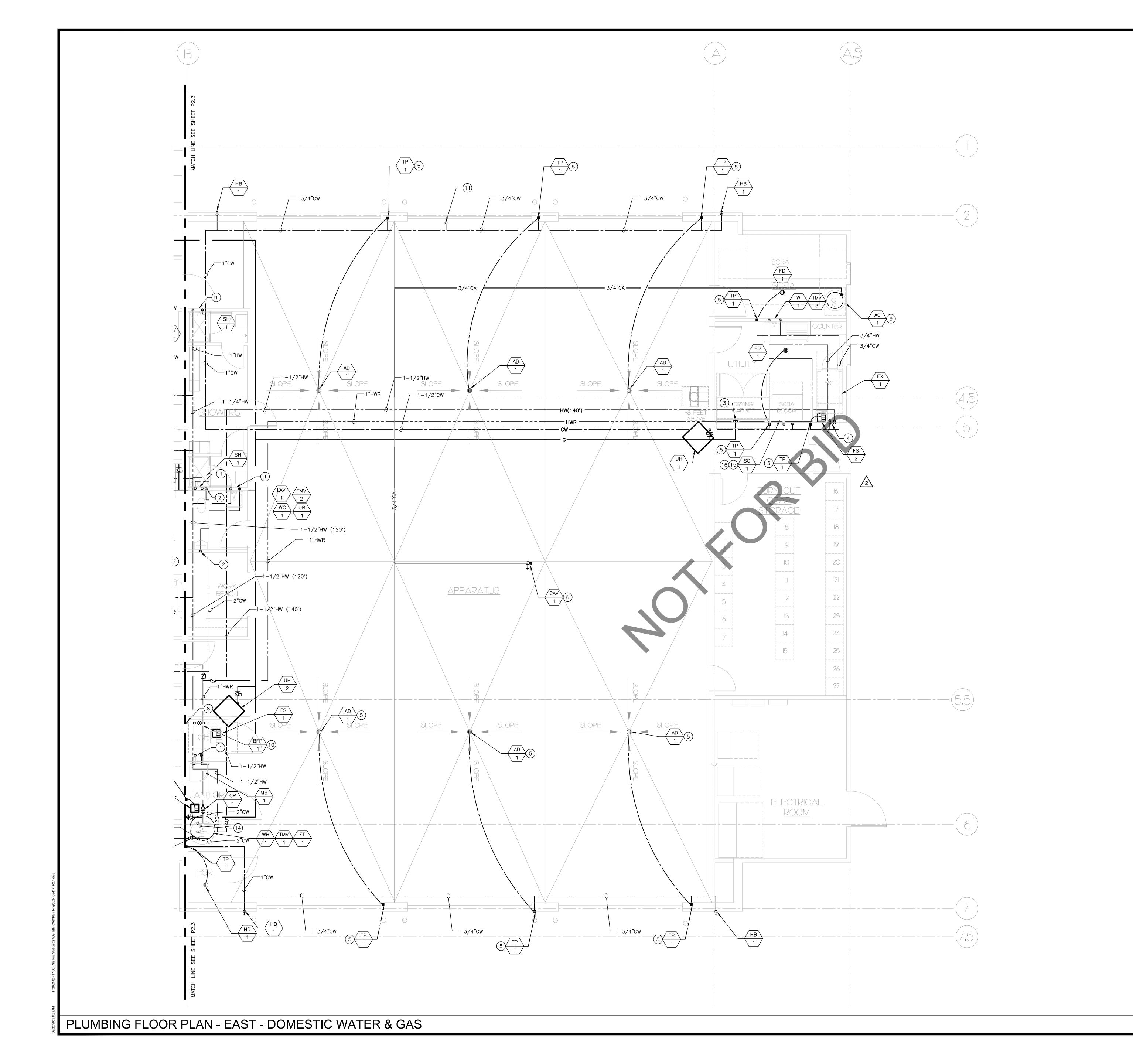
SFAL:



PLUMBING
FLR. PLAN WEST
DOMESTIC
WATER & GAS

SHEET NO.:

SCALE: 1/4"=1'-0"



- OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.
- C. VERIFY EXACT SIZE AND LOCATION OF ALL PLUMBING CONNECTIONS TO MECHANICAL EQUIPMENT PRIOR TO START OF WORK. IN NO CASE SHALL THE CONNECTION SIZE BE LARGER THAN THE BRANCH PIPING SIZE.

KEY NOTES

- 1) 3/4" HW & CW IN WALL DOWN TO FIXTURE
- (2) 3/4" CW IN WALL DOWN TO FIXTURE
- (3) GAS LINE FOR FUTURE EQUIPMENT. REFER TO GAS RISER P4.1.
- (4) 1" HW & CW IN WALL DOWN TO FIXTURE. 5 1/2" CW FROM TRAP PRIMER TO FLOOR DRAIN/SINK. REFER TO DETAIL. 12/P5.1
- (6) REFER TO 7/P5.1 FOR COMPRESSED AIR CONNECTION DETAIL.
- (7) 1/2" FILTERED WATER TO ICE MACHINE.
- 8 3/4" CW DOWN TO ICE MACHINE INSTALL WITH BACKFLOW PREVENTER AND ACCESS PANEL. (9) REFER TO DETAIL 4/P5.2 FOR AIR COMPRESSOR
- PROVIDE ACCESS PANEL AND DRAIN LINE PER MANUFACTURER RECOMMENDATION LINE FOR RPBP-1
- (11) 3/4" CW TO ROOF.
- (12) NOT USED.
- (14) 1–1/2" CW & HW TO/FROM WATER HEATER.
- (15) 1" HW AND CW IN WALL DOWN TO SCBA
- (16) CONFIRM THE CRITERIA FOR HOT WATER USEFOR SCBA DECON. VERIFY EXACT CONNECTION SIZES AND FLOW RATE WITH MANUFACTURER PRIOR TO START WORK, NOTIFY ENGINEER OF ANY DISCREPANCY.



- A. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT
- B. ALL PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL



CONSULTANT:

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MANAGEMENT DEPARTMENT

SAN BERNARDINO, CA 92415

385 N. ARROWHEAD AVE.

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COUNTY FIRE DEPARTMENT: FIRE STATION 227

SAN BERNARDINO

PROJECT # 10.10.1202 CIP #22-105

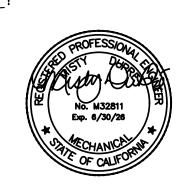
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SHEET INFORMATION:

STK PROJECT NO.: 374-193-24 DATE: DECEMBER 2024 PLOT DATE:



SHEET TITLE:
PLUMBING FLR. PLAN EAST DOMESTIC WATER & GAS

SHEET NO.:

SCALE: 1/4"=1'-0"

- A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS,
 DETERMINING EXTENT OF DEMOLITION, AND COORDINATE WITH ALL
 OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL
 CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING
 PRIOR TO START OF WORK.
- B. ALL EXISTING EQUIPMENT, DUCTWORK AND AIR DISTRIBUTION DEVICES, WHICH ARE TO REMAIN, SHALL BE CLEANED AND REFURBISHED TO ORIGINAL WORKING CONDITION.
- C. ALL WORK TO BE DEMOLISHED OR REMOVED SHALL NOT BE RE—INSTALLED UNLESS NOTED OTHERWISE.

KEY NOTES

- 1) 2" VENT THROUGH ROOF. TERMINATE 10' AWAY FROM ANY AIR INTAKE. REFER TO DETAIL 10/P5.1
- 2 3/4" CW FROM BELOW TO HOSE BIB ON ROOF.



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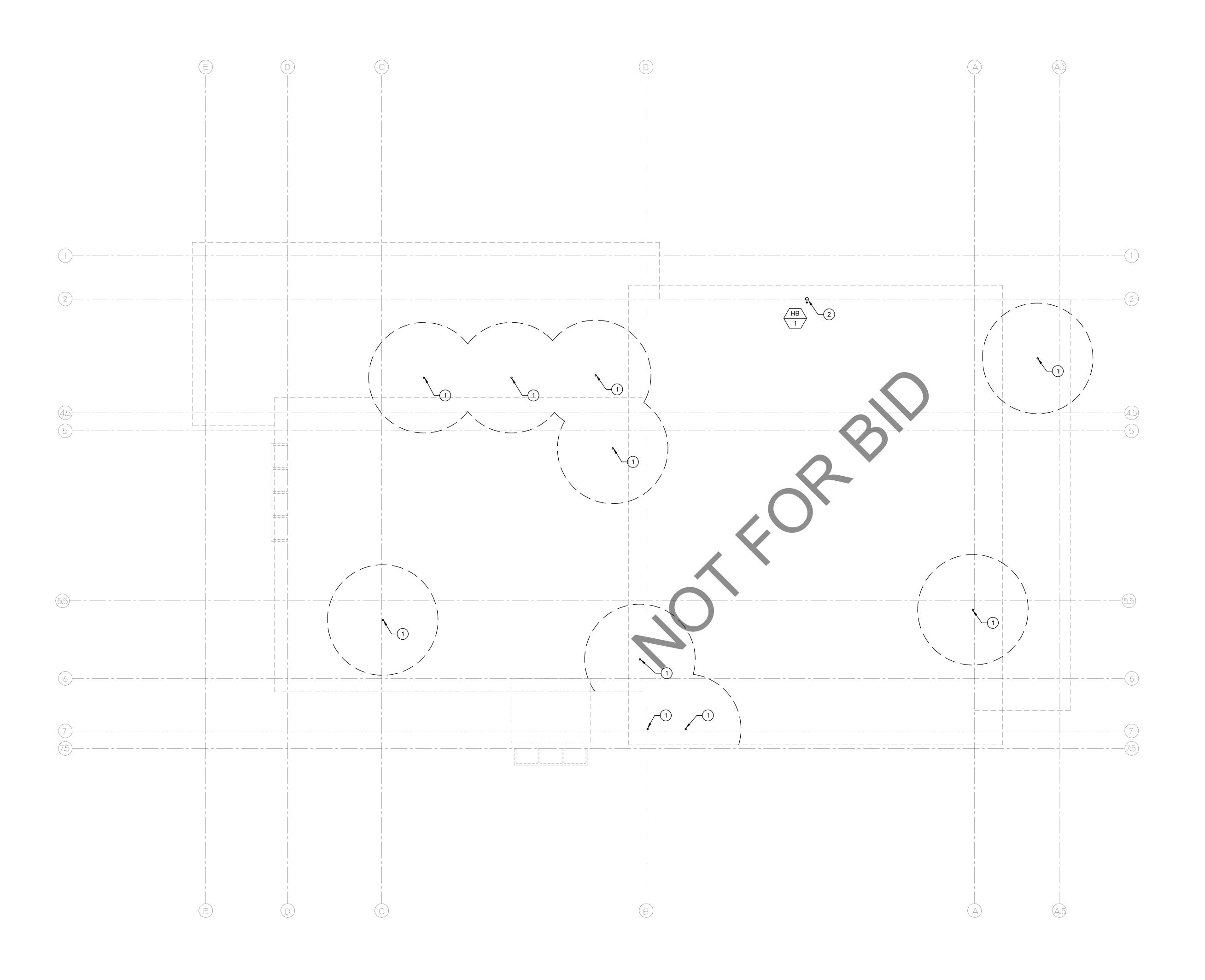


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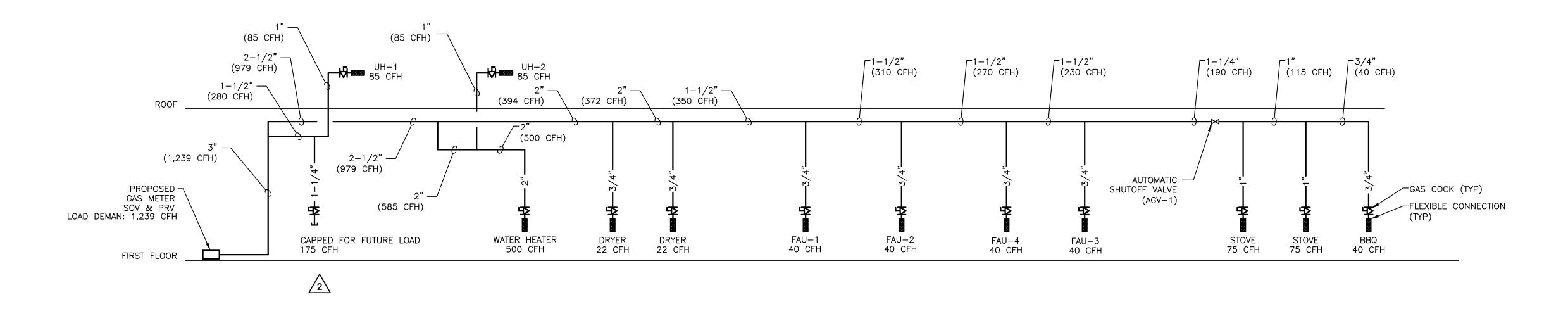
PLUMBING ROOF PLAN

SHEET NO.:

P2.5



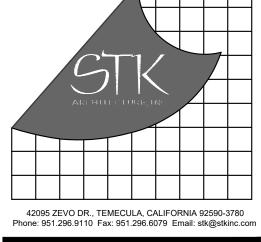
SCALE: 1/8"=1'-0"



				GAS	NATURAL		
			INLET P				
BASED ON SCH.40 ME			PRESSU	RE DROP	0.5 IN W.C.		
NFPA 54-			SPECIFIC	GRAVITY	0.60		
			PIPE	SIZE			
NOMINAL	3/4"	1"		SIZE 1-1/2"	2"	2-1/2"	3"
NOMINAL LENGTH(FT)	,	<u>'</u>	1-1/4"			·	3"
	,	<u>'</u>	1-1/4"	1-1/2"		·	3" 1980

- GAS PIPE BRANCH SIZE TO EQUIPMENT SHALL NEVER BE SMALLER THAN CONNECTION SIZES TO EQUIPMENT. IN CASE OF A DISCREPANCY, PROVIDE THE LARGER SIZE PIPE.
 SEE DETAIL 5/P5.1 FOR GAS CONNECTION.
 CONTRACTOR SHALL FIELD VERIFY EXACT LENGTH, GAS LOAD REQUIREMENTS AND EQUIPMENT CONNECTION SIZES PRIOR TO START OF WORK. IN CASE OF ANY DISCREPANCIES OR POTENTIAL CONFLICT, NOTIFY ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

	APPLIANCES GAS			MENT
\wedge	EQUIPMENT/APPLIANCE	QTY	CFH (EA.)	CFH TOTAL
′2∖	FUTURE LOAD	1	175	175
	DRYER	2	22	44
	WATER HEATER (WH-1)	1	500	500
	STOVE GAS	2	75	150
	BBQ	1	40	40
	FAU-1	1	40	40
	FAU-2	1	40	40
	FAU-3	1	40	40
	FAU-4	1	40	40
	UNIT HEATER (UH-1)	1	85	105
	UNIT HEATER (UH-2)	1	85	105
	TOTAL CFH	•		1,239



CONSULTANT:

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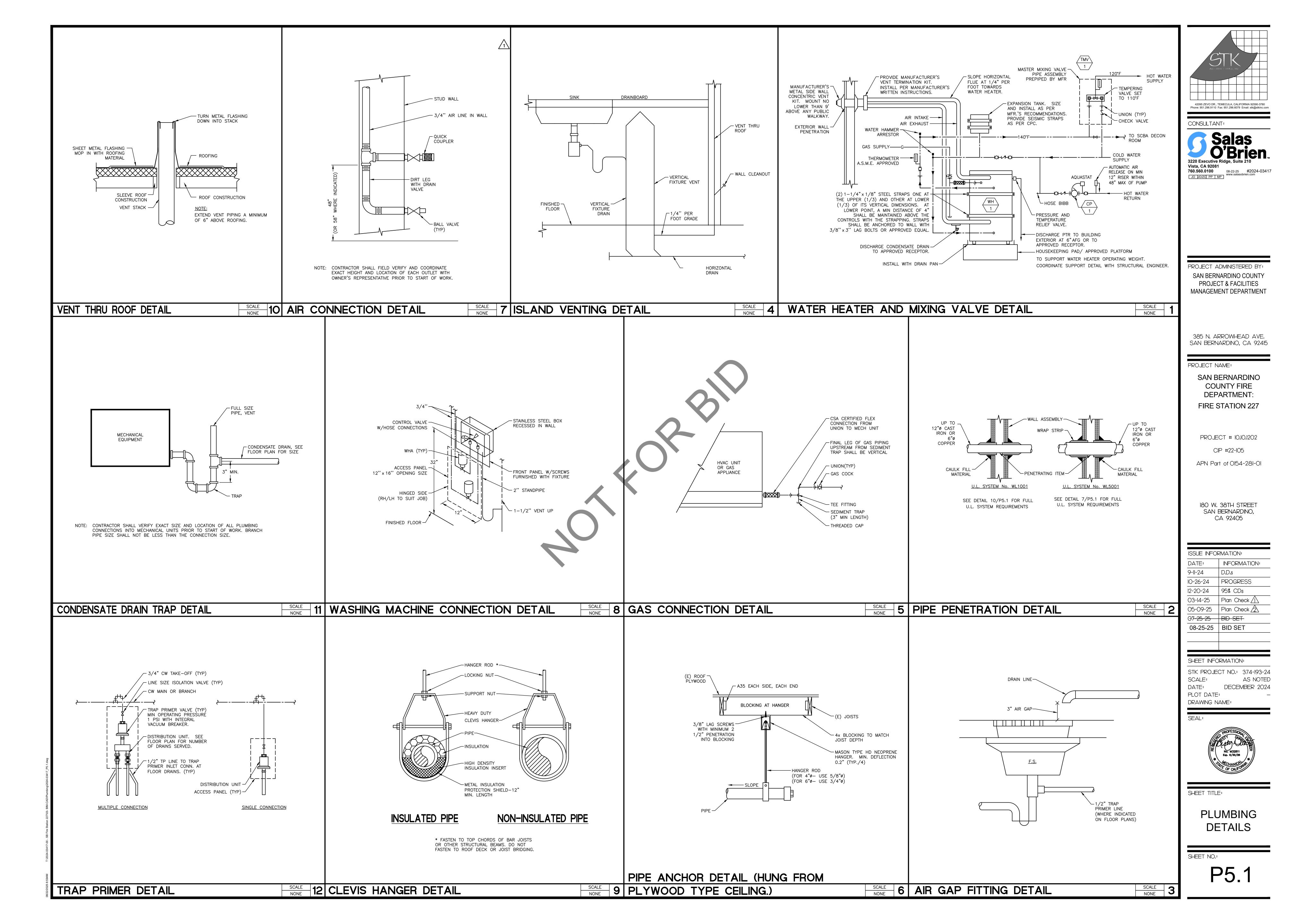
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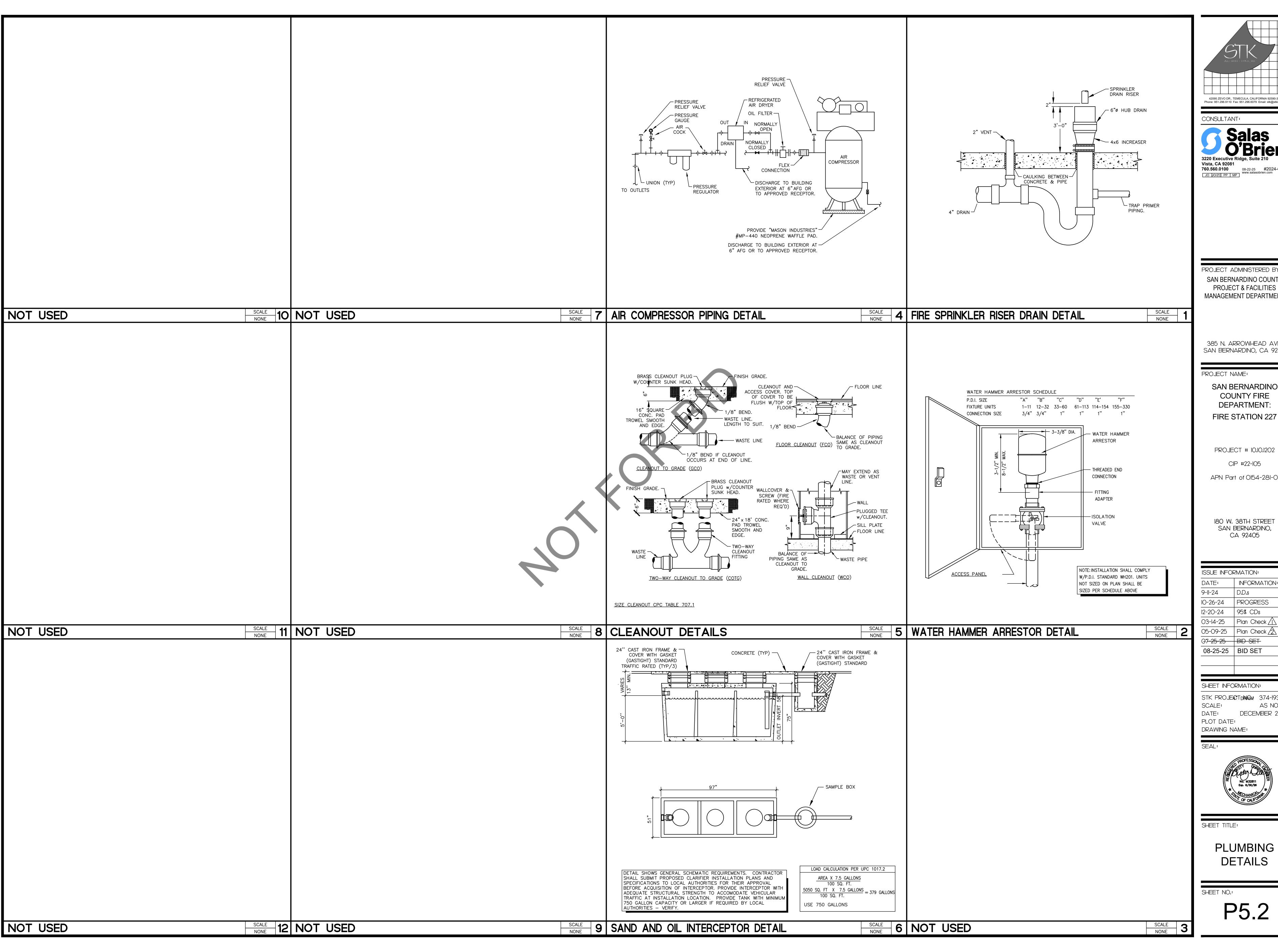
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PLUMBING RISER DIAGRAM - GAS

P4.1





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PLUMBING **DETAILS**

P5.2

CTR	RICAL SYMBOL LEGEND SOME SYMBOLS IN THIS PLANS SHALL DICTATE	LEGEND MAY OR MAY NOT BE USED IN THIS PROJECT. FLOOR WHICH SYMBOLS ARE APPLICABLE.	PROJECT NOTES
	DESCRIPTION	SYMBOL DESCRIPTION	THESE DOCUMENTS MAY NOT BE USED FOR ANY REPRODUCTION, BIDDING, OR CONSTRUCTION UNLESS AUTHORIZED, IN WRITING, BY SALAS O'BRIEN AND THE ENGINEER OF RECORD
1,3	CONDUIT HOMERUN WITH PANEL DESIGNATION AND CIRCUITS INDICATED.	DD DUCT MOUNTED SMOKE DETECTOR SOLID STATE ELECTRONIC ADJUSTABLE TRIP CIRCUIT REFAKER WITH LISIS	RESPONSIBLE FOR THEIR PREPARATION. 2. VERIFY EXISTING SITE CONDITIONS, ELECTRICAL SERVICE REQUIREMENTS, DIMENSIONS, ELECTRICAL
_	CONDUIT/WIRING, INSTALLED IN OR BELOW FLOOR SLAB. CONDUIT/WIRING, EXPOSED.	SS SOLID STATE, ELECTRONIC, ADJUSTABLE TRIP CIRCUIT BREAKER WITH LSIG. DAYLIGHT AREA SENSOR, PRIMARY AND SECONDARY WHERE APPLICABLE	POINTS OF CONNECTION AND PROJECT CONSTRUCTION LIMITS BEFORE SUBMITTING BID. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS
	CONDUIT/WIRING, EXPOSED. CONDUIT/WIRING CONCEALED IN WALL OR CEILING SPACE.	SD CEILING MOUNTED SMOKE DETECTOR	WORK TO BE PERFORMED. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF OWNER'S REPRESENTATIVE.
	CONDUIT, FLEXIBLE CONNECTION	FIRE SMOKE DAMPER (PROVIDED BY OTHER'S)	3. THESE DRAWINGS ARE DIAGRAMMATIC AND ONLY INDICATE THE INTENT OF OUTLETS, DEVICE ETC., TO BE CONNECTED AND THE CIRCUIT NUMBERS TO WHICH THEY ARE TO BE CONN
m	DRÝ LOCATIONS — FLEXIBLE STEEL CONDUIT WET LOCATIONS — LIQUIDTIGHT FLEXIBLE STEEL CONDUIT	CO CEILING MOUNTED CARBON MONOXIDE SENSOR	TO. CONTRACTOR SHALL INSTALL ALL REQUIRED JUNCTION BOXES ETC., AS REQUIRED FO COMPLETE AND OPERATIONAL SYSTEM WHICH COMPLIES WITH ALL LOCAL AND NATIONAL GOVERNING CODES.
	LIGHT FIXTURE DESIGNATION		4. ALL EXTERIOR EQUIPMENT SHALL BE WEATHERPROOF.
	LED LIGHTING FIXTURE UPPER CASE LETTER(S) = FIXTURE TYPE	Signal Systems	5. LOCATIONS OF ALL EQUIPMENT SHALL BE VERIFIED PRIOR TO ROUGH—IN. 6. EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN COMPLIANCE
	NUMBER = CIRCUIT NUMBER LOWER CASE LETTER(S) = ROOM SWITCHING CIRCUITS AND NUMBER OF	TELEPHONE OR TERMINAL BACKBOARD	OSHA. 7. PVC CONDUIT, WITH CODE SIZED GROUND, SHALL BE USED UNDERGROUND ONLY, IF AP
	SWITCHES NOTE: THIS LABELING SCHEME IS TYPICAL FOR ALL LIGHT FIXTURES.	TELEPHONE OR TERMINAL CABINET, WITH PLYWOOD BACKBOARD	BY LOCAL CODE. INSTALL PER LOCAL CODE REQUIREMENTS. CONDUIT RISERS AND STUB GRADE SHALL BE I.M.C. WITH HALF—LAPPED TAPE COVERING OR PVC COATING.
	LED, WALL MOUNTED LIGHT FIXTURE.	PAGING SPEAKER, WALL MOUNT	8. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLAT CONSTRUCTION TOOLS, TRANSPORTATION, ETC. FOR A COMPLETE AND PROPERLY OPERATED
	LED STRIP OR UNDERCABINET TASK LIGHT	PAGING SPEAKER, CEILING MOUNT WITH BACKBOX	ELECTRICAL SYSTEM. 9. ALL MATERIALS SHALL BE NEW, AND OF THE SAME MANUFACTURER FOR EACH CLASS C
O	LED LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK OR CONNECTED TO	INTRUSION INFRARED SENSOR.	OF EQUIPMENT. MATERIALS SHALL BE LISTED AND APPROVED BY THE UNDERWRITER'S LABORATORIES, AND SHALL BEAR THE INSPECTION LABEL WHERE SUBJECT TO SUCH API
	EMERGENCY POWER SYSTEM.	TIME-OF-DAY CLOCK OUTLET AND CLOCK, AT +96" AFF, U.O.N.	MATERIAL SHALL MEET WITH THE APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY, AN GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCOUNTY AND ADDRESS OF TARILLED BY A MEDICAL PROPERTY.
	POLE MOUNTED LIGHT FIXTURE WITH POLE AND FOUNDATION. NUMBER AND ORIENTATION OF LUMINAIRES AS SHOWN ON DRAWINGS.	TV CABLE TELEVISION OUTLET, AT +18" AFF, U.O.N.	WITH APPLICABLE STANDARDS ESTABLISHED BY A.N.S.I., U.L., N.E.M.A. AND N.B.F.U. INST MANUFACTURER'S RECOMMENDATIONS.
	LIGHTING FIXTURE, WALL OR BRACKET MOUNTED.	CLOCK AND SPEAKER COMBINATION	10. ALL CONDUIT SHALL BE INSTALLED CONCEALED WHERE PHYSICALLY POSSIBLE. ALL EXPO CONDUIT SHALL BE INTERMEDIATE METAL CONDUIT AND INSTALLED PARALLEL TO OR AT ANGLES WITH THE BUILDING WALLS. IF VIEWED BY THE PUBLIC, PAINT TO MATCH SURFA
	LIGHTING FIXTURE, SURFACE OR RECESSED MOUNTED.	DATA JUNCTION BOX, AT +18" AFF U.O.N., WITH 1-1/4" CONDUIT ONLY WITH	WHICH IT IS ATTACHED.
	LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK OR CONNECTED TO EMERGENCY POWER SYSTEM.	PULLSTRING UP TO NEAREST CABLE TRAY OR ACCESSIBLE TO CEILING SPACE. TELEPHONE JUNCTION BOX, AT +18" AFF U.O.N., WITH 1-1/4" CONDUIT ONLY	11. CONTRACTOR SHALL CARRY OUT HIS WORK IN ACCORDANCE WITH ALL GOVERNING STATE COUNTY, LOCAL CODES, O.S.H.A. AND THE CURRENTLY ADOPTED NATIONAL ELECTRICAL ((N.E.C.).
-	TRACK LIGHTING WITH FIXTURES.	WITH PULLSTRING UP TO NEAREST ACCESSIBLE TO CEILING SPACE. W = WALL MOUNT AT +46" AFF, U.O.N.	12. THE COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE C
	MOTION SENSOR, DUAL TECHNOLOGY, CEILING MOUNTED NOT TO BE LOCATED WITHIN 48" OF ANY HVAC DIFFUSER.	TELE/DATA JUNCTION BOX AT +18" AFF, U.O.N., WITH (2)1-1/4" CONDUIT ONLY WITH PULLSTRING UP TO NEAREST CABLE TRAY OR ACCESSIBLE CEILING SPACE.	ADOPTED EDITION OF THE NEC, ARTICLE 250. 13. ALL ELECTRICAL PENETRATIONS THROUGH FIRE RATED AREA SEPARATION AND CORRIDOR
	EXIT LIGHT FIXTURE. DARKENED AREA INDICATES FIXTURE FACE. ARROW INDICATES DIRECTION OF FACE ARROW.	W = WALL MOUNT AT +46" AFF, U.O.N.	ASSEMBLIES INCLUDING CONDUITS AND PIPING SHALL BE TIGHTLY AND SOLIDLY SEALED FIRESTOPPING WALLBOARD COMPOUND AND SHALL BE AN APPROVED MATERIAL AS REQULOCAL ENFORCING AGENCY.
	LL = LOW LEVEL	SPACE, WITH 1" CONDUIT AND (1) CAT 6 CABLE TO INTERMEDIATE DISTRIBUTION FRAME AS INDICATED ON DWGS.	14. ELECTRICAL CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS. UTILITY CH
	LIGHT SWITCH, WALL MOUNTED AT +42" AFF, U.O.N. 2 = TWO POLE, 3 = THREE WAY, 4 = FOUR WAY	PROJECTOR SHOWN FOR REFERENCE ONLY	AND PAY FOR SAME. COORDINATE AND PAY FOR ALL ELECTRICAL SERVICE CHARGES WIT BUILDING DEPARTMENT, SERVING UTILITY AND OWNER.
	a,b = INDICATES ROOM SWITCHING CIRCUITS AND NUMBER OF SWITCHES D = DIMMER K = KEYED	DATA OUTLET, FLUSH FLOOR MOUNTED, WITH HINGED COVER, U.O.N.	15. COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER AFTER ACCEPTANCE BY OWNER. ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY D
	OC = OCCUPANCY SENSOR, DUAL TECHNOLOGY VS = VACANCY SENSOR, MANUAL ON, WHERE REQUIRED BY CODE	•	THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXTHE ELECTRICAL CONTRACTOR.
	P = PILOT LIGHT, LIGHTED IN THE OFF POSITION. BP = BYPASS TIMER WP = WEATHERPROOF		16. CONDUCTORS SHALL BE CODE GRADE, 600 VOLT CLASS, COPPER (UNLESS NOTED OTHE MARKED EVERY 24" ALONG IT'S LENGTH SHOWING MANUFACTURER'S NAME, MAXIMUM AL
	WR = WEATHER RESISTANT F = FAN SWITCH		VOLTAGE AND SIZE. GENERAL PURPOSE WIRING SHALL BE SOLID COPPER CONDUCTORS SMALLER, STRANDED COPPER CONDUCTORS FOR #8 AND LARGER, TYPE 'THWN'(WET) OF 'THHN'(DRY). FOR SPECIAL PURPOSE WIRE TYPES REFER TO EQUIPMENT MANUFACTURER
	S = SOLATUBE CONTROL T = TIMER SWITCH LV = LOW VOLTAGE	DEMOLITION NOTES	17. ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL WIRE OR ROPE.
	JUNCTION BOX, HANDHOLE OR PULLBOX WITH COVER, SIZE PER NEC, ART.	DEMOCITION 1401E3	18. USE ONLY COMPETENT AND SKILLED PERSONNEL AND PERFORM ALL WORK, INCLUDING AESTHETIC AS WELL AS ELECTRICAL AND MECHANICAL ASPECTS TO STANDARDS CONSIST
	314.28. GROUND	 THE CONTRACTOR SHALL VISIT THE SITE SPECIFICALLY INCLUDING ALL AREAS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH THESE 	THE BEST PRACTICES OF THE TRADE. 19. ALL ELECTRICAL SYSTEM CONDUCTORS SHALL BE INSTALLED IN APPROVED RACEWAYS.
	FUSE	EXISTING CONDITIONS, AND BY SUBMITTING A BID ACCEPTS CONDITIONS UNDER WHICH THEY WILL BE REQUIRED TO PERFORM THEIR WORK.	NON-METALLIC SHEATHED CABLE IS NOT APPROVED. 20. WHERE IT BECOMES NECESSARY TO DRILL INTO OR CUT THROUGH ANY EXISTING SLABS
)	UTILITY COMPANY APPROVED CT/METER PROVISIONS	2. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, ELECTRICAL EQUIPMENT, ETC., AFFECTED BY	20. WHERE IT BECOMES NECESSARY TO DRILL INTO OR CUT THROUGH ANY EXISTING SLABS WALKWAYS OR DRIVES TO PERMIT THE INSTALLATION OF ANY WORK UNDER THIS CONTROL TO REPAIR ANY DEFECTS THAT MAY APPEAR TO THE EXPIRATION OF THE WARRANTY, SI CUTTING AND PATCHING SHALL PERFORMED BY TRADESMAN EXPERIENCED IN THE WORK REQUIRED. CONTRACTOR SHALL PAY FOR ALL COSTS REQUIRED FOR CUTTING OR REPAIR
^	FUSED SWITCH CIRCUIT BREAKER	THE REMODELED AREA. THIS WILL INCLUDE REROUTING, OR THE EXTENSION OF, EXISTING CONDUIT AND FEEDERS WHERE NECESSARY TO MAINTAIN THE CONTINUITY OF EXISTING EQUIPMENT REMAINING.	REQUIRED. CONTRACTOR SHALL PAY FOR ALL COSTS REQUIRED FOR CUTTING OR REPAIL FINISHES SHALL MATCH EXISTING OR NEW ADJACENT SURFACES.
_	TIME CLOCK	3. ALL CIRCUIT NUMBERS AND EXISTING CONDUIT HOMERUNS SHOWN ON THESE DRAWINGS WERE TAKEN FROM EXISTING RECORD DRAWINGS. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO	21. ALL BROCHURES, OPERATING MANUALS, CATALOGS, ETC. SHALL BE TURNED OVER TO THE AT JOB COMPLETION.
r	LIGHTING OR POWER PANEL - FLUSH MOUNT UNLESS INDICATED OTHERWISE	VERIFY LOCATIONS OF HOMERUNS, AND ADJUST CIRCUIT NUMBERS ACCORDING TO EXISTING CONDITIONS IF REQUIRED.	
	DISTRIBUTION BOARD, LIGHTING OR POWER PANEL DESIGNATION	4. WHERE EXISTING WALLS HAVE BEEN REMOVED, AND THERE ARE EXISTING CONDUIT FEEDS WHICH HAVE BEEN CUT—OFF AND CAPPED FLUSH WITH FLOOR, IT IS THE CONTRACTOR'S	
	MOTOR OR MECHANICAL EQUIPMENT, WITH FLEXIBLE CONNECTION	RESPONSIBILITY TO IDENTIFY AND DIMENSION ALL SUCH CONDUITS ON THE "AS-BUILT" DRAWINGS UNLESS NOTED OTHERWISE.	
,	MECHANICAL EQUIPMENT DESIGNATION	5. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS, EQUIPMENT, ETC., REMAINING IN OPERATION WHICH ARE BEING FED BY	
	DISCONNECT SWITCH (30=AMPS 3=POLES) NEMA 1 INDOORS	AN ABANDONED OUTLET. MAINTAINING CONTINUITY SHALL CONSIST OF REROUTING CONDUIT, WIRING, ETC., AS REQUIRED.	
۱ ۲	NEMA 3R IN WET LOCATIONS F = FUSED	6. WHERE NEW CIRCUITS ARE SHOWN TO EXISTING PANELS, INSTALL NEW BREAKERS OF SAME TYPE, STYLE AND RATING (MINIMUM 20 AMP, SINGLE POLE) AS CALLED FOR ON DRAWINGS.	
	PROVIDE TIME—DELAY TYPE FUSE(S) SIZED PER EQUIPMENT MANUFACTURERS NAMEPLATE RATING.	IDENTIFY EACH NEW CIRCUIT ON PANEL SCHEDULE. 7. EXISTING CONDUIT MAY BE REUSED IF ADEQUATELY SIZED, BUT IN NO CASE SHALL ANY	
	MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD PROTECTOR	EXISTING CONDUCTORS BE REUSED. 8. ALL ABANDONED OUTLETS INCLUDING LIGHT, RECEPTACLES, TELEPHONE, ETC., SHALL BE	
	MAGNETIC MOTOR STARTER WITH THERMAL OVERLOAD PROTECTOR	COVERED AND PATCHED TO MATCH THE FINISH OF SURROUNDING WALL OR CEILING TO THE SATISFACTION OF THE OWNER.	
'0'	COMBINATION MOTOR STARTER WITH FUSED SWITCH, WITH THERMAL OVERLOAD PROTECTOR AND DUAL ELEMENT FUSES. (30=AMPS, 3=POLES 0=STARTER SIZE).	9. ALL LIGHTING FIXTURES REMOVED TO ACCOMPLISH DEMOLITION WORK SHALL BE REINSTALLED SIMILAR TO NEW WORK	
	PUSHBUTTON OR SHUNT TRIP STATION		
	DUPLEX RECEPTACLE, +18" AFF, U.O.N.; NEMA 5-20R, U.O.N.; NUMBER	BRANCH CIRCUIT WIRING NOTE:	
FI	INDICATES CIRCUIT NUMBER. GFIF = GROUND FAULT INTERRUPTION, FEED—THRU TYPE WP = WEATHERPROOF WITH A WEATHERPROOF WHILE—IN—USE COVER	1. FOR RECEPTACLE CIRCUITS AND 120 VOLT BRANCH CIRCUITS, UNLESS NOTED OTHERWISE,	
	WR = WEATHER-RESISTANT TYPE RECEPTACLE WITH A WEATHERPROOF WHILE IN-USE COVER	PROVIDE THE FOLLOWING CONDUCTORS: (1) #12 CONDUCTOR FOR EACH PHASE (I.E. CIRCUIT NUMBER) AND (1) SEPARATE DEDICATED #12 NEUTRAL CONDUCTOR FOR EACH SINGLE 120 VOLT CIRCUIT OR FOR 2 TO 3 CIRCUITS PROVIDED THEY ARE OF DIFFERENT PHASES; (1)	
}	GFI = GROUND FAULT INTERRUPTION. DOUBLE DUPLEX RECEPTACLE, +18" AFF, U.O.N.	VOLT CIRCUIT OR FOR 2 TO 3 CIRCUITS PROVIDED THEY ARE OF DIFFERENT PHASES; (1) EQUIPMENT GROUNDING CONDUCTOR, SIZED PER CEC. FOR CIRCUITS TO COMPUTER/DATA EQUIPMENT, PROVIDE DEDICATED NEUTRAL FOR EACH CIRCUIT.	
∌	DUPLEX RECEPTACLE ABOVE COUNTERTOP BACKSPLASH, VERIFY REQ'D HEIGHT	2 FOR LIGHTING BRANCH CIRCUITS PROVIDE THE FOLLOWING CONDUCTORS: (1) #12 CONDUCTOR	
	POWER RECEPTACLE, SEE POWER RECEPTACLE SCHEDULE FOR NEMA CONFIGURATION AND SIZE.	FOR EACH PHASE (I.E. CIRCUIT NUMBER); (1) #12 NEUTRAL CONDUCTOR FOR A SINGLE, 120 OR 277 VOLT CIRCUIT, OR (1) #12 NEUTRAL CONDUCTOR FOR 2 TO 3 CIRCUITS WHERE EACH CIRCUIT IS ON A DIFFERENT PHASE; (1) EQUIPMENT GROUNDING CONDUCTOR, SIZED PER CEC	
	POWER POLE, WITH NUMBER OF RECEPTACLES INDICATED	ARTICLE 250 (DO NOT USE A COMMON NEUTRAL FOR MULTIPLE CIRCUITS ON SAME PHASE) (1) INTERCONNECTING CONDUCTOR BETWEEN EACH 3-WAY AND/OR 4-WAY SWITCH	
	DUPLEX RECEPTACLE, PEDESTAL MOUNTED	APPLICABLE CODES	
	CEILING MOUNTED DUPLEX RECEPTACLE AT T-BAR CEILING NOT TO BE MOUNTED IN CEILING SPACE.	APPLICABLE CODES	
	DUPLEX RECEPTACLE, FLUSH FLOOR MOUNTED, WITH HINGED COVER, U.O.N.	 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2021 EDITION INTERNATIONAL 	
<u> </u>	CORD SUSPENDED CEILING RECEPTACLE, WITH STRAIN RELIEF ASSEMBLY	BUILDING CODE, VOL. 1 & 2) 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2020 EDITION NATIONAL	
ر ا		2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2020 EDITION NATIONAL ELECTRICAL CODE)	
	SURFACE MOUNTED DOUBLE DUBLEY RECEPTACLE +18" AFF, U.O.N.	0000 04150000 0500 (000) 0000 (000)	
	SURFACE MOUNTED DOUBLE DUPLEX RECEPTACLE +18" AFF, U.O.N. DOUBLE DUPLEX RECEPTACLE, +18" AFF, U.O.N.	2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (2021 EDITION IAPMO UNIFORM MECHANICAL CODE)	
	SURFACE MOUNTED DOUBLE DUPLEX RECEPTACLE +18" AFF, U.O.N.	 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (2021 EDITION IAPMO UNIFORM MECHANICAL CODE) 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2021 EDITION IAPMO UNIFORM PLUMBING CODE) 	
	SURFACE MOUNTED DOUBLE DUPLEX RECEPTACLE +18" AFF, U.O.N. DOUBLE DUPLEX RECEPTACLE, +18" AFF, U.O.N. 1—CONTROLLED + 1—UNCONTROLLED DUPLEX RECEPTACLE. CONTROLLED	 UNIFORM MECHANICAL CODE) 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2021 EDITION IAPMO UNIFORM PLUMBING CODE) 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR 	
	SURFACE MOUNTED DOUBLE DUPLEX RECEPTACLE +18" AFF, U.O.N. DOUBLE DUPLEX RECEPTACLE, +18" AFF, U.O.N. 1—CONTROLLED + 1—UNCONTROLLED DUPLEX RECEPTACLE. CONTROLLED	 UNIFORM MECHANICAL CODE) 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2021 EDITION IAPMO UNIFORM PLUMBING CODE) 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2021 EDITION INTERNATIONAL FIRE CODE) 	
	SURFACE MOUNTED DOUBLE DUPLEX RECEPTACLE +18" AFF, U.O.N. DOUBLE DUPLEX RECEPTACLE, +18" AFF, U.O.N. 1—CONTROLLED + 1—UNCONTROLLED DUPLEX RECEPTACLE. CONTROLLED	 UNIFORM MECHANICAL CODE) 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2021 EDITION IAPMO UNIFORM PLUMBING CODE) 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2021 EDITION INTERNATIONAL FIRE CODE) 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2021 EDITION INTERNATIONAL) 	
8	SURFACE MOUNTED DOUBLE DUPLEX RECEPTACLE +18" AFF, U.O.N. DOUBLE DUPLEX RECEPTACLE, +18" AFF, U.O.N. 1—CONTROLLED + 1—UNCONTROLLED DUPLEX RECEPTACLE. CONTROLLED	 UNIFORM MECHANICAL CODE) 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2021 EDITION IAPMO UNIFORM PLUMBING CODE) 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2021 EDITION INTERNATIONAL FIRE CODE) 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2021 EDITION 	

22. ALL SUBSTITUTIONS SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT TEN (10) DAYS PRIOR TO BID. SUBMITTAL SHALL INCLUDE, BUT NOT BE LIMITED TO, COST SAVINGS, WRITTEN REASON FOR SUBSTITUTION AND A WRITTEN STATEMENT THAT IF THE SUBSTITUTION IS APPROVED, THERE WILL BE NO DELAY IN DELIVERY, CONSTRUCTION TIME OR COST TO OTHER TRADES.

23. PROVIDE ENGRAVED PLASTIC NAMEPLATES FOR ALL MAJOR PIECES OF EQUIPMENT. PLATES SHALL BE 3 PLY, BLACK FACE, WHITE CORE WITH 1/4" HIGH CONDENSED GOTHIC LETTERING. SCREW-ON ATTACHMENT ONLY. NO CEMENT.

24. PROVIDE THE OWNER WITH ONE (1) SET OF COMPLETE ELECTRICAL "AS-BUILTS" AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DEPTHS AND LOCATIONS.

25. WHERE A CONFLICT OCCURS BETWEEN THESE DRAWINGS AND THE SPECIFICATIONS ISSUED AS PART OF THESE DOCUMENTS, THE MORE STRINGENT REQUIREMENTS SHALL PREVAIL.

26. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES. THE OWNER WILL MAKE NO SUBSEQUENT ALLOWANCE FOR ELECTRICAL WORK REQUIRED BY OTHER TRADES. OBTAIN ALL

27. ALL FINAL CONNECTIONS TO OWNER-FURNISHED EQUIPMENT SHALL BE MADE BY THE CONTRACTOR. CONNECTIONS TO ALL EQUIPMENT FURNISHED BY OTHERS SHALL BE COORDINATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGHING IN ALL CONDUIT TO THIS EQUIPMENT.

OTHER PERTINENT INFORMATION REQUIRED TO MEET ACTUAL BUILDING OR FIELD CONDITIONS.

28. NOTIFY THE OWNER'S REPRESENTATIVE WHEREVER A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT DEVICES, CIRCUIT BREAKERS, TRANSFORMERS, GROUND FAULT PROTECTION SYSTEMS, ETC. (ALL MATERIALS) THAT ARISE ON THE DRAWINGS AND/OR SPECIFICATIONS. PROVIDE AND INSTALL ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS NOTED ON DRAWINGS AND/OR IN THE SPECIFICATIONS TO INSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER AND ENGINEER.

29. ALL FEEDER AND BRANCH CIRCUITS SHALL BE PROVIDED WITH AN EQUIPMENT GROUNDING CONDUCTOR SIZED PER NEC, AND RUN IN THE SAME RACEWAY OR CONDUIT SUPPLYING SUCH FEEDER OR BRANCH CIRCUIT.

30. TRENCH AND BACKFILL AS REQUIRED TO PERFORM UNDERGROUND WORK. USE EXTREME CAUTION WHEN TRENCHING SO AS NOT TO INTERFERE WITH EXISTING UNDERGROUND UTILITIES. REPAIR

31. PATCH AND REPAIR WALLS OR CEILINGS WHICH HAVE BEEN DAMAGED BECAUSE OF ELECTRICAL

32. CONDUIT SHALL NOT BE RUN THROUGH ANY STRUCTURAL MEMBER OF THE BUILDING, EXCEPT AS | NTS SPECIFICALLY DIRECTED BY THE OWNER'S REPRESENTATIVE. UNDER NO CIRCUMSTANCE SHALL

CONDUIT RUN THROUGH COLUMNS, FOOTINGS OR GRADE BEAMS. 33. FOR ADDITIONAL ROUGH-IN AND WIRING REQUIREMENTS SEE MANUFACTURER'S INSTALLATION PLANS, WHICH ARE SUPPLEMENTAL TO AND PART OF THE ELECTRICAL WORK. 34. EXACT ROUTING OF ALL FEEDERS, CONDUITS, ETC. SHALL BE FIELD VERIFIED AND APPROVED B'

35. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF RECESSED, SURFACE OR PENDANT

MOUNTED LIGHT FIXTURES. 36. COLD WATER PIPE GROUNDING BOND SHALL BE LOCATED WITHIN 5' OF BUILDING ENTRANCE. 37. CONTRACTOR SHALL VERIFY EXACT LOADS OF HVAC EQUIP. WITH MECHANICAL ENGINEER AND HVAC UNIT MANUFACTURER PRIOR TO START OF WORK. IN CASE OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, INFORM ARCHITECT AND ELECTRICAL ENGINEER IN WRITING PRIOR TO

38. PIPES, DUCTS AND CONDUITS SHALL BE SUPPORTED AND BRACED PER THE S.M.A.C.N.A. "GUIDELINES FOR SEISMIC RESTRAINT OF MECHANICAL SYSTEMS AND PLUMBING AND PIPING

39. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

A. EQUIPMENT ON GRADE - 20% OF OPERATING WEIGHT

PROCEEDING ANY FURTHER.

ANY DAMAGE CAUSED BY UNDERGROUND TRENCHING.

B. EQUIPMENT ON STRUCTURE - 30% OF OPERATING WEIGHT

C. FOR FLEXIBLY MOUNTED EQUIPMENT USE FOUR (4) TIMES THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE ONE-THIRD (1/3) TIMES THE HORIZONTAL FORCE.

D. THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR I = 1.0 AND SEISMIC ZONE Z = 0.4WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE FIELD

40. ALL OUTLET RATINGS SHALL BE 20 AMPS, UNLESS NOTED OTHERWISE.

41. PROVIDE INSULATION CLEARANCE TO DATA BOX WITH TYPICAL 3 INCHES,

42. CABLE INSTALLATION SHALL BE MADE WITH DUE CARE TO PREVENT DAMAGE TO THE CABLE ASSEBLY AND SHALL BE INSPECTED AND APPROVED BEFORE CABLES ARE COVERED OR CONCEALED [424.45 CEC]

ABBREVIATIONS

AMP FUSE (SIZE), AMP FRAME (SIZE) AFCI ARC FAULT CURRENT INTERRUPT ABOVE FINISH FLOOR AMP SWITCH (SIZE) BARE COPPER

CONDUIT CIRCUIT BREAKER

CIRCUIT CONDUIT ONLY, WITH PULL LINE COPPER EDF ELECTRIC DRINKING FOUNTAIN EMERGENCY POWER

ELECTRICAL METALLIC TUBING EMT **EXISTING** EXPLOSION PROOF

GROUND CONDUCTOR GROUND FAULT INTERRUPT PROTECTION GND GROUND ISOLATED GROUND

INTERMEDIATE METALLIC CONDUIT INTERRUPTING SHORT CIRCUIT LONG CONTINUOUS LOAD MAXIMUM

MCB MAIN CIRCUIT BREAKER MINIMUM MAIN LUGS ONLY NON-AUTOMATIC NATIONAL ELECTRICAL CODE

NKE NO KNOWN EQUAL; NO SUBSTITUTES NOMINAL NOT TO SCALE

> PH OR PHASE PANEL POLYVINYL CHLORIDE

REQ'D REQUIRED OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. COORDINATE THE INSTALLATION WITH OTHER RGS RIGID GALVANIZED STEEL STATE FIRE MARSHAL SWBD SWITCHBOARD

SWGR SWITCHGEAR TYPICAL, UNLESS NOTED OTHERWISE, OF MANY J.O.N. UNLESS OTHERWISE NOTED OR INDICATED

VOLTS WEATHERPROOF EXISTING TO REMAIN EXISTING TO BE RELOCATED NEW LOCATION OF RELOCATED EQUIPMENT

EXISTING TO BE REMOVED TRANSFORMER XFMR

FIRE ALARM DEFERRED APPROVAL NOTES

1. THE FIRE ALARM SYSTEM DRAWINGS WHEN REQUIRED SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR UNDER A DEFERRED APPROVAL PROCESS.

2. FIRE ALARM SHOP DRAWINGS SHALL BE SUBMITTED TO THE STATE FIRE MARSHAL OR LOCAL FIRE DEPARTMENT (AS DETERMINED BY THE LOCAL AUTHORITY HAVING JURISDICTION) FOR APPROVAL WITHIN 14 CALENDAR DAYS AFTER NOTICE TÓ PROCEED. THE FIRE ALARM SHOP DRAWINGS SHALL CONTAIN THE FOLLOWING REQUIREMENTS:

A. INDICATE WHAT TYPE OF SYSTEM IS BEING PROVIDED

B. PROVIDE CATALOG DATA, SFM LISTING NUMBER, AND MODEL NUMBER FOR EVERY FIRE ALARM SYSTEM COMPONENT.

C. PROVIDE SINGLE LINE, RISER AND POINT-TO-POINT WIRING DIAGRAMS.

D. AN EMERGENCY WARNING SYSTEM WITH VISUAL STROBE DEVICES IS REQUIRED FOR THE HEARING IMPAIRED. E. INDICATE THE CONDUIT SIZES, QUANTITY AND TYPE CONDUCTORS, AND WHETHER THE SYSTEM IS POWER LIMITED

OR NON-POWER LIMITED.

F. PROVIDE BATTERY CALCULATIONS FOR THE ENTIRE SYSTEM (24 HOUR STANDBY, 5 MINUTE ALARM TIME).

G. PROVIDE FLOOR PLANS SHOWING LOCATIONS OF ALL FIRE ALARM EQUIPMENT. INTERCONNECT WIRING, REMOTE POWER

SUPPLIES AND ANNUNCIATORS. H. INDICATE WHETHER THE SYSTEM IS INDEPENDENT OR

INTERCONNECTED TO THE EXISTING FIRE ALARM SYSTEM.

I. PROVIDE VOLTAGE DROP CALCULATIONS FOR THE LONGEST RUN AND THE CIRCUITS WITH THE LARGEST LOAD REQUIRED

FOR BOTH INITIATION AND SIGNAL CIRCUITS. 3. THE WORK SHALL NOT BE STARTED UNTIL THE DETAILED

LOCAL AUTHORITY HAVING JURISDICTION). CONTRACTOR SHALL

PROVIDE APPROVED COPY TO THE ARCHITECT.

DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS HAVE BEEN ACCEPTED AND APPROVED BY THE STATE FIRE MARSHAL OR LOCAL FIRE DEPARTMENT (AS DETERMINED BY THE

42095 ZEVO DR., TEMECULA, CALIFORNIA 92590-3780

Phone: 951.296.9110 Fax: 951.296.6079 Email: stk@stkinc.com

CONSULTANT:

Vista, CA 92081 **760.560.0100** 08-22-25 #2024-03417 JO JO/ZO PP MP www.salasobrien.com

PROJECT ADMINISTERED BY: SAN BERNARDINO COUNTY PROJECT & FACILITIES MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

PROJECT NAME:

SAN BERNARDINO **COUNTY FIRE DEPARTMENT:** FIRE STATION 227

PROJECT # 10,10,1202 CIP #22-105

APN Part of 0154-281-01

180 W. 38TH STREET SAN BERNARDINO,

CA 92405

SUE INFOR	SUE INFORMATION:					
ATE:	INFORMATION:					
-II-24	D.D.s					
-26-24	PROGRESS					
-20-24	95% CDs					
3-14-25	Plan Check 🛆					
5-09-25	Plan Check 🖄					
7 -25-25	BID SET					
8-25-25	BID SET					

SHEET INFORMATION:

STK PROJECT NO.: 374-193-24 AS NOTED DATE: DECEMBER 2024 PLOT DATE:

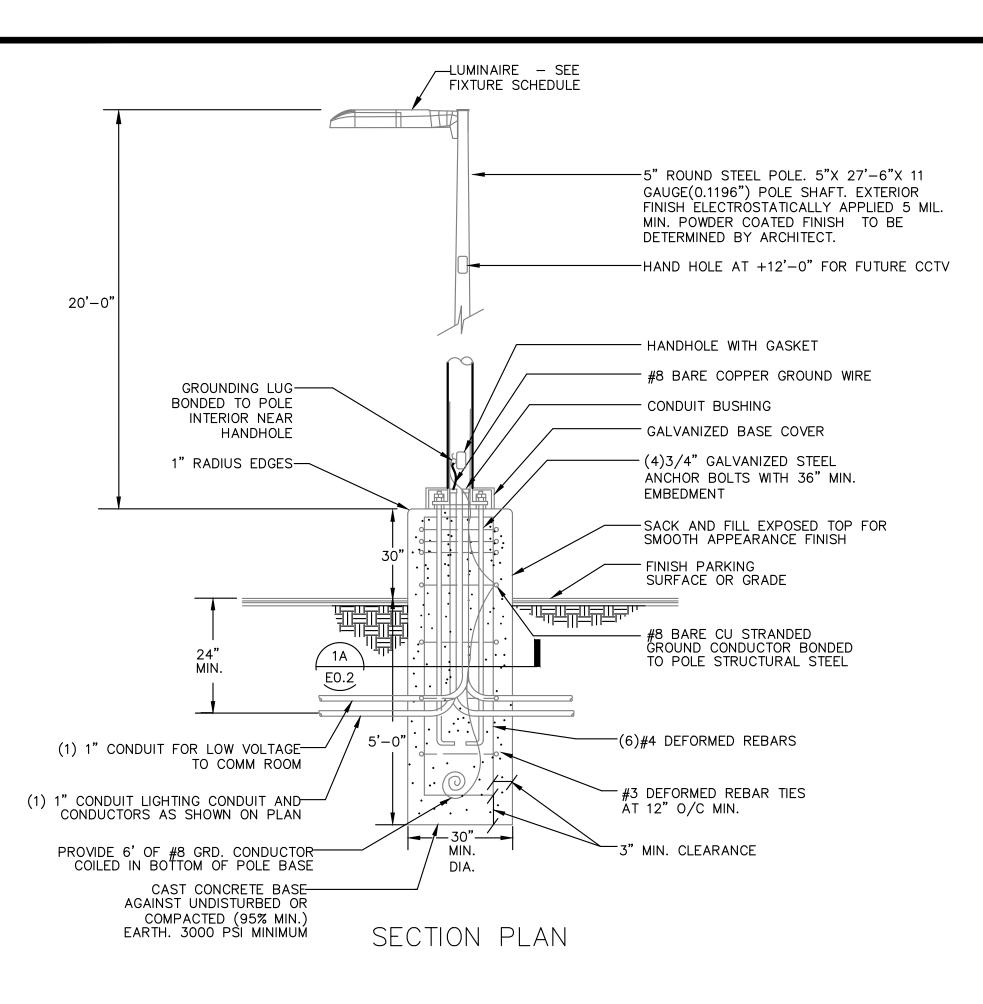
DRAWING NAME:

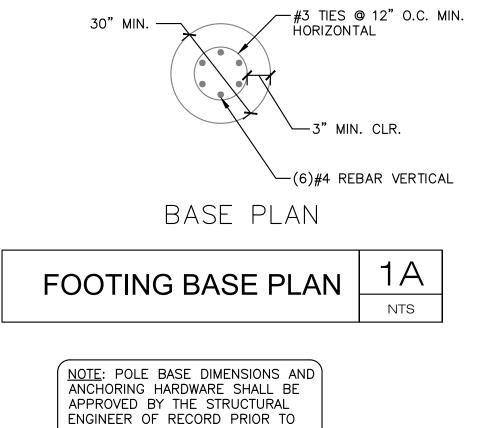


ELECTRICAL LEGEND AND **GENERAL** NOTES

SHEET NO.:

E0.1



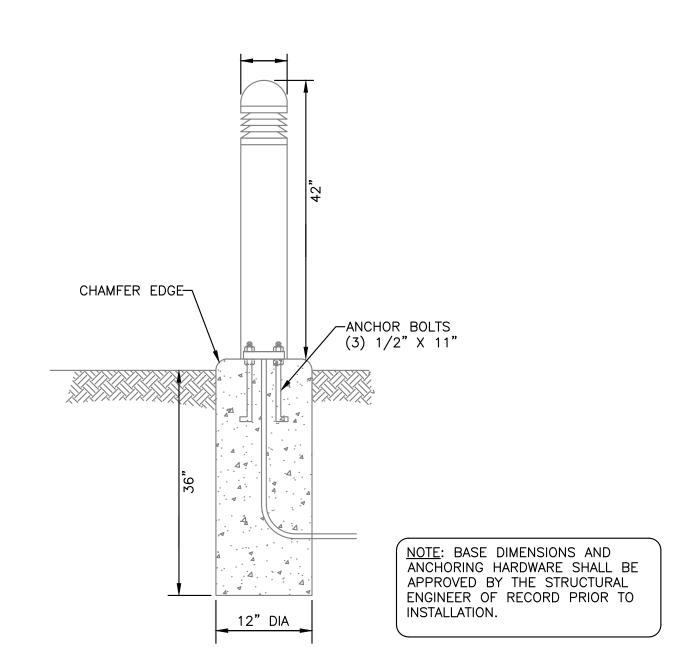


FIXTURE TYPE "F11" DETAIL

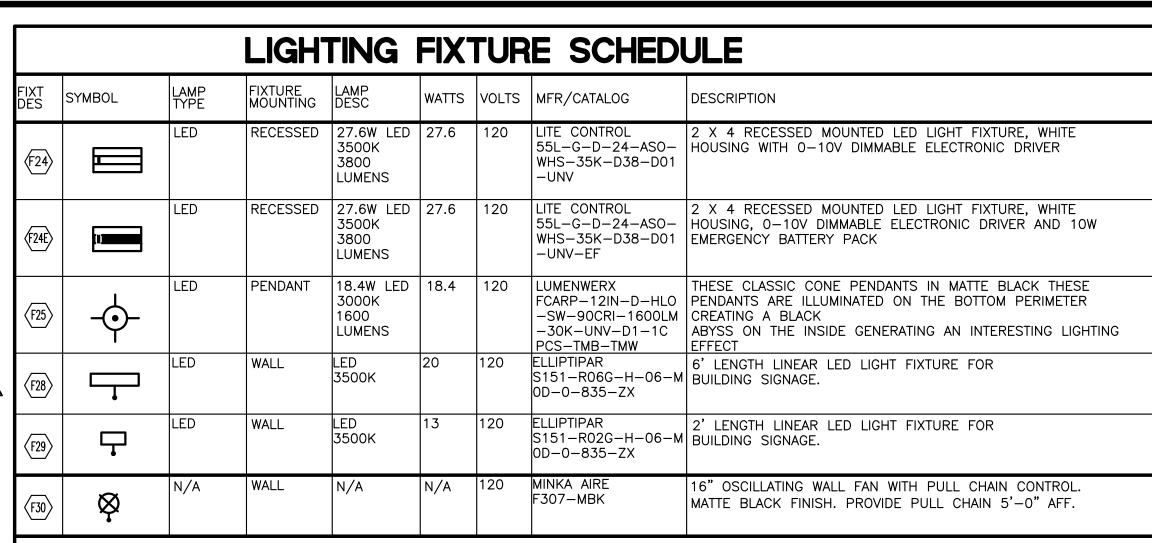
INSTALLATION.

SCALE: NONE

SCALE: NONE



FIXTURE TYPE "F23" DETAIL 2



LIGHTING FIXTURE NOTES:

PROVIDE SPECIFIED LIGHTING MANUFACTURER FOR EACH LIGHT FIXTURE. ANY SUBSTITUTIONS SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE LISTED MANUFACTURERS CATALOG NUMBER. PROVIDE CUT SHEETS FOR APPROVAL BY ARCHITECT PRIOR TO PROCUREMENT. 2. COORDINATE ALL FIXTURE COLORS, REFLECTORS, FINISHES, MOUNTING LOCATIONS, POLES AND HEIGHTS WITH ARCHITECT PRIOR TO PROCUREMENT.

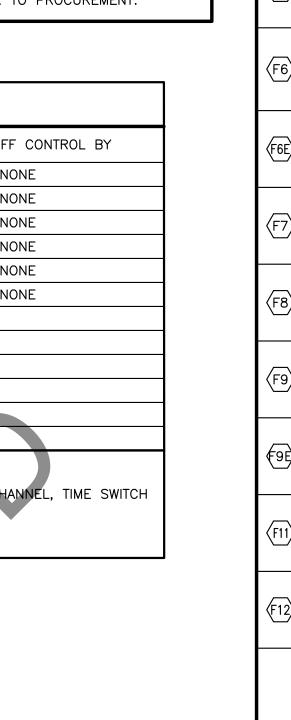
LIGHTING CONTROL PANEL 'LCP'							
RELAY #	PANEL	CIR #	VOLTS	SERVES	CONTROL	BLDG. SHUT-OFF CONTROL BY	
1	В	9	120	EXTERIOR BUILDING LIGHTS	PHOTOCELL "ON", TIMECLOCK "OFF"	NONE	
2	В	11	120	CANOPY LIGHTING	PHOTOCELL "ON", TIMECLOCK "OFF" NONE		
3	В	15,17	208	SITE POLE LIGHTING	PHOTOCELL "ON", TIMECLOCK "OFF"	NONE	
4	В	12	120	FLAGPOLE, BOLLARD LIGHTING	PHOTOCELL "ON", TIMECLOCK "OFF"	NONE	
5	В	16	120	BAY EXTERIOR LIGHTING	PHOTOCELL "ON", TIMECLOCK "OFF"	NONE	
6	В	22	120	EXTERIOR SIGNAGE LIGHTING	PHOTOCELL "ON", TIMECLOCK "OFF"	NONE	
7	_	_	_	SPARE			
8	_	_	_	SPARE			
9	_	_	_	SPARE			
10	_	_	_	SPARE			
11	-	_	_	SPARE			
12	_	_	_	SPARE			

LIGHTING MATRIX CONTROL SYSTEM NOTES:

GHTING MATRIX CONTROL SYSTEM NOTES:

PROVIDE THE LIGHTING CONTROL SYSTEM WITH AN INTEGRAL ELECTRONIC SOLID—STATE, 365 DAY PROGRAMMABLE, MULTI—CHANNEL, TIME SWITCH WITH INTEGRAL BACKUP POWER (MINIMUM 90 MINUTES).

PROVIDE (1) PHOTOCELL ON ROOF FOR CONTROL OF SITE LIGHTING AND RED LIGHTS.



					, .			
FIXT DES	SYMBOL	LAMP TYPE	FIXTURE MOUNTING	LAMP DESC	WATTS	VOLTS	MFR/CATALOG	DESCRIPTION
(F1)	HX	LED	SURFACE	57W LED 4000K 7200 LUMENS	57	120	ARCHITECTURAL AREA LIGHTING M22-WD-36L-475- 4K80-4W-CL-BLS	WALL MOUNTED LED AREALIGHT FIXTURE, BLACK FINISH, REMOTE SENSOR CONTROL AT 15', WET LOCATION LISTED, SEE ARCHITECTURAL DRAWINGS FOR FINAL LOCATION
F2		LED	SURFACE	27.4W LED 4000K 3,794 LUMENS	27.4	120	SF-UNV COLUMBIA LIGHTING MPS4-40LW-CW-ED- U	4' LED STRIPLIGHT WITH NON-DIMMING ELECTRONIC DRIVER
€ 2 E	•	LED	SURFACE	27.4W LED 4000K 3,794 LUMENS	27.4	120	COLUMBIA LIGHTING MPS4-40LW-CW-ED- U-ELL14	4' LED STRIPLIGHT WITH NON-DIMMING ELECTRONIC DRIVER, 0-10V DIMMABLE ELECTRONIC DRIVER AND 1100 LUMEN EMERGENCY BATTERY PACK
(F3)		LED	SURFACE	31W LED 4000K 3665 LUMENS	31	120	COLUMBIA LIGHTING MPS4-40LW-CW-ED- U-ELL14	4' LED INDUSTRIAL LIGHT FIXTURE, PRISMATIC ACRYLIC LENS, END CAP AND 0-10V DIMMABLE ELECTRONIC DRIVER. PROVIDE FIXTURE WITH 90 MIN. EMERGENCY BATTERY PACK.
F5	—	LED	UNDER CABINET	8W LED 4000K 450 LUMENS	8	120	CONTECH LIGHTING LPU2-18-1-P- LPAC6-P	18-1/16" LED UNDER COUNTER LIGHT, WHITE HOUSING AND WHITE HARD WIRED WIRING COMPARTMENT. PROVIDE A COMPLETE AND OPERABLE SYSTEM
F6>	©	LED	RECESSED	14.6W LED 3500K 2000 LUMENS	14.6	120	PRESCOLITE LFR-6RD-20L- 35K8XW-DM1- LFR-6RD-T-SS-WT- LFR-6RD-H-IC	6" DIAMETER RECESSED LED DOWN LIGHT, IC RATED HOUSING, OPEN CLEAR DIFFUSE FINISH, WHITE TRIM AND 0-10V DIMMABLE ELECTRONIC DRIVER. PROVIDE FIRE RATED COVERS WHERE NECESSARY
F6E	•	LED	RECESSED	14.6W LED 3500K 2000 LUMENS	14.6	120	PRESCOLITE LFR-6RD-20L- 35K8XW-DM1-EM LFR-6RD-T-SS-WT- LFR-6RD-H-IC	6" DIAMETER RECESSED LED DOWN LIGHT, IC RATED HOUSING, OPEN CLEAR DIFFUSE FINISH, WHITE TRIM, 0-10V DIMMABLE ELECTRONIC DRIVER AND 6W EMERGENCY BATTERY PACK WITH INTEGRAL TEST SWITCH AND INDICATOR LIGHT
F7	ф-	LED	RECESSED	14.6W LED 3500K 2000 LUMENS	14.6	120	PRESCOLITE LFR-6RD-20L- 35K8-XW-DM1- LFR-6RD-T-SS-WT- CL-LFR-6RD-H-IC	6" DIAMETER RECESSED LED DOWN LIGHT, IC RATED HOUSING, OPEN CLEAR DIFFUSE FINISH, WHITE TRIM AND 0-10V DIMMABLE ELECTRONIC DRIVER, WET LISTED
F8	오	LED	WALL	20W 4000K	20	120	CURRENT LIGHTING VWGL-2 VGL-RD	WALL MOUNTED LED VAPORTIGHT LIGHT, RUBY RED GLOBE, CAST ALUMINUM GUARD AND ELECTRONIC BALLAST
F9>	-	LED	RECESSED	21W LED 3500K DN	21	120	PRESCOLITE LFR-6RD-M-25L- 35K-NR-DM1- LFR-6RD-T-SS-WT	6" DIAMETER RECESSED LED DOWN LIGHT, CLEAR REFLECTOR, WHITE TRIM, 0-10V DIMMABLE ELEC DRIVER
[9 E)	-	LED	RECESSED	21W LED 3500K DN	21	120	PRESCOLITE LFR-6RD-M-25L-35K- 8-NR-DM1 -EM LFR-6RD-T-SS-WT	6" DIAMETER RECESSED LED DOWN LIGHT, CLEAR REFLECTOR, WHITE TRIM, 0-10V DIMMABLE ELEC DRIVER. PROVIDE WITH 90 MIN EMERGENCY BACK UP
F11>		LED	20' TALL, 4" SQUARE POLE 24" DIA X 30" HIGH	104W 5000K 12,357 LUMENS	104	208	CURRENT LIGHTING VP-1-160L-115- 4K7-5QW-R-UNV -ASQU-DBS-BTS-40F	POLE MOUNTED LED SITE LIGHT FIXTURE, FULL CUTOFF, TYPE 5 MEDIUM OPTICS, INTEGRAL MOTION—AMBIENT SENSOR AND DARK BRONZE FINISH
F12>	호	LED	WALL	20W LED 4000K 1358 LUMENS	20	120	HE WILLIAMS WLRD-C-L22-8-40 -BZ-EM/62-DIM -UNV	WALL MOUNTED LED LIGHT FIXTURE, BRONZE HOUSING, WET LOCATION LISTED PROVIDE WITH 90 MIN EMERGENCY BACK UP, SEE ARCHITECTURAL DRAWINGS FOR FINAL LOCATION
F14	[• •	LED	CHAIN HUNG	38W LED 4000K 4431 LUMENS	38	120	COLUMBIA LIGHTING LXEM-4-40-ML-RFP -ED-U-XEHC	4' LED INDUSTRIAL GASKETED LIGHT FIXTURE, POLYCARBONATE LENS, END CAP, SURFACE OR CHAIN HUNG AS DIRECTED BY ARCHITECT AND 0-10V DIMMABLE ELECTRONIC DRIVER
F15	+	LED	PENDANT	LED 3500K 2717 LUMENS	19.5	120	PRESCOLITE LFR-6RD-M-25L- 35K-8-WD-DM1 LFR-6RD-T-SH-WT- CL	6" DIAMETER RECESSED LED DOWN LIGHT, LENSED COMFORT CLEAR FINISH, WHITE TRIM, 0-10V DIMMABLE ELEC DRIVER AND WET LOCATION LISTED AT SHOWER
F16	•	LED	GRADE	18W LED 3000K 25 DEGREE SPREAD	18	120	KIM LIGHTING LTV82SS-NF-18L -3K-UV	INGROUND & WELL LIGHT FLAG POLE, WET LOCATION LISTED LIGHT FIXTURE WITH REMOTE ELECTRONIC DRIVER
F17	오	LED	WALL	2.5W LED 3000K	2.5	120	MP LIGHTING L225-S-2-W30H-N -CS-TBX-MA	ADJUSTABLE WALL MOUNTED LED READING LIGHT FIXTURE WITH INTEGRAL SWITCH
F20	[· •	LED	SURFACE	123W LED 4000K 14,747 LUMENS	123	120	COLUMBIA LIGHTING LXEM-8-40-VL-RFA -ED-U	1'x8' SURFACE MOUNTED LED LIGHT FIXTURE, WHITE VAPORTIGHT HOUSING, 0-10V DIMMABLE ELECTRONIC DRIVER AND WET LOCATION LISTED
F20E	[0 0	LED	SURFACE	123W LED 4000K 14,747 LUMENS	123	120	COLUMBIA LIGHTING LXEM-8-40-VL-RFA -ED-U-ELL14	1'x8' SURFACE MOUNTED LED LIGHT FIXTURE, WHITE VAPORTIGHT HOUSING, 0—10V DIMMABLE ELECTRONIC DRIVER, WET LOCATION LISTED WITH EMERGENCY BATTERY PACK
F21	*	N/A	CEILING	N/A	50	120	CEILING FAN PER ARCHITECT WITH WALL CONTROL	CEILING FAN WITH WALL SWITCH. MAX 44" IN SLEEP 1RTS. SEE ARCH DRAWING FOR MODEL. (MINKA AIRE F786-WHF. WC400 WALL CONTROL)
F23		LED	BOLLARD	60W LED 3500K 200 LUMENS	25	120	KIM LIGHTING PA7S-FT-NU-3-12L- 010-3K7-24A-BLS- UNV	LED FREE STANDING BOLLARDS.
Œ1	⊗	LED	SURFACE	1W LED	1	120	COMPASS CCE EXIT SERIES CCEDRE	THIN DIE—CAST LED EMERGENCY EXIT SIGN, BRUSHED FACE, BLACK HOUSING, RED LETTERS WITH INTEGRAL EMERGENCY BATTERY PACK

LIGHTING FIXTURE SCHEDULE

LIGHTING FIXTURE NOTES:

1. PROVIDE SPECIFIED LIGHTING MANUFACTURER FOR EACH LIGHT FIXTURE. ANY SUBSTITUTIONS SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE

LISTED MANUFACTURERS CATALOG NUMBER. PROVIDE CUT SHEETS FOR APPROVAL BY ARCHITECT PRIOR TO PROCUREMENT. 2. COORDINATE ALL FIXTURE COLORS, REFLECTORS, FINISHES, MOUNTING LOCATIONS, POLES AND HEIGHTS WITH ARCHITECT PRIOR TO PROCUREMENT.

42095 ZEVO DR., TEMECULA, CALIFORNIA 92590-3780 Phone: 951.296.9110 Fax: 951.296.6079 Email: stk@stkinc.com CONSULTANT: Vista, CA 92081 **760.560.0100**08-22-25 #2024-03417

JO JO/ZC PP MP

08-21-25 #2024-03417

www.salasobrien.com

PROJECT ADMINISTERED BY: SAN BERNARDINO COUNTY PROJECT & FACILITIES MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

PROJECT NAME:

SAN BERNARDINO **COUNTY FIRE** DEPARTMENT: **FIRE STATION 227**

PROJECT # 10.10.1202

CIP #22-105

APN Part of 0154-281-01

180 W. 38TH STREET

SAN BERNARDINO, CA 92405

ISSUE INFORMATION: INFORMATION: 10-26-24 PROGRESS 12-20-24 95% CDs 03-14-25 | Plan Check <u>/1</u>\ 05-09-25 | Plan Check 🖄 07-25-25 | BID SET 08-25-25 | BID SET

SHEET INFORMATION:

STK PROJECT NO.: 374-193-24 AS NOTED DATE: DECEMBER 2024 PLOT DATE:

SEAL:

DRAWING NAME:



LIGHTING **FIXTURE** SCHEDULE

E0.2