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PLUMBING ABBREVIATIONS			
ABV	ABOVE	GW	GREASE WASTE
ADA	AMERICANS WITH DISABILITIES ACT	HD	HEAD
AFF	ABOVE FINISHED FLOOR	HP	HORSE POWER
AG	ABOVE GRADE	HZ	HERTZ
AHJ	AUTHORITY HAVING JURISDICTION	IE	INVERT ELEVATION
ALUM	ALUMINUM	IWC	INCHES OF WATER COLUMN
AMB	AMBIENT	KW	KILOWATTS
AMP	AMPERAGE	LAV	LAVATORY
ARCH	ARCHITECT, ARCHITECTURAL	LBS	POUNDS
BEL	BELOW	LWT	LEAVING WATER TEMPERATURE
BF	BELOW FLOOR	MAX	MAXIMUM
BG	BELOW GRADE	MBH	1000 BRITISH THERMAL UNITS PER HOUR
BFP	BACKFLOW PREVENTOR	MCA	MINIMUM CIRCUIT AMPS
BLDG	BUILDING	MECH	MECHANICAL
BOD	BASIS OF DESIGN	MFR	MANUFACTURE OR MANUFACTURER
BTUH	BRITISH THERMAL UNIT PER HOUR	MIN	MINIMUM
CA	COMBUSTION AIR	MU	MAKE-UP
CD	CONDENSATE DRAIN	(N)	NEW
CFH	CUBIC FEET PER HOUR	NOM	NOMINAL
CONN	CONNECTION	NPS	NOMINAL PIPE SIZE
CONT	CONTINUATION	NTS	NOT TO SCALE
CI	CAST IRON	OD	OVERFLOW DRAIN
CP	CHROME PLATED	OPT	OPERATING
DFU	DRAINAGE FIXTURE UNITS	OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
DN	DOWN	PD	PRESSURE DROP
DSA	DIVISION OF THE STATE ARCHITECT	PH	PHASE
(E)	EXISTING	PSI	POUNDS PER SQUARE INCH
EC	EVAPORATIVE COOLER	PW	PROCESS WASTE
EFF	EFFICIENCY	RM	ROOM
ELEC	ELECTRICAL	RPM	REVOLUTIONS PER MINUTE
EQPT	EQUIPMENT	SD	STORM DRAIN
EWT	ENTERING WATER TEMPERATURE	SHT	SHEET
FA	FROM ABOVE	SOV	SHUT OFF VALVE
FC	FLEXIBLE CONNECTION	SS	STAINLESS STEEL
FLA	FULL LOAD AMPS	TEMP	TEMPORARY, TEMPERATURE
FLR	FLOOR	TYP	TYPICAL
FPS	FEET PER SECOND	UON	UNLESS OTHERWISE NOTED
FR	FROM	UTR	UP TO OR UP THROUGH ROOF
FT	FLUSH TANK	V	VENT
FV	FLUSH VALVE	VAC	VACUUM
GA	GAGE OR GAUGE	VTR	VENT THROUGH ROOF
GALV	GALVANIZED	WC	WATER CLOSET
GPC	GALLONS PER CYCLE	W	WASTE
GPF	GALLONS PER FLUSH	W	WITH
GPM	GALLONS PER MINUTE	W/O	WITHOUT
GYP	GYPSUM	WSFU	WATER SUPPLY FIXTURE UNIT
		WT	WEIGHT EXPRESSED IN POUNDS

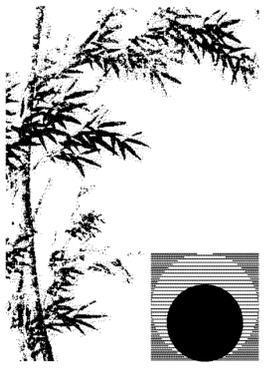
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SHEET INDEX	
SHEET NUMBER	SHEET TITLE
P0.0	PLUMBING GENERAL
P0.1	PLUMBING SCHEDULES & DETAILS
P2.0	PLUMBING FLOOR PLAN

PLUMBING GENERAL NOTES	
1	0 COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING CODES: 2016 CALIFORNIA ADMINISTRATIVE CODE (CAC); PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) 2016 CALIFORNIA BUILDING CODE (CBC); PART 2, TITLE 24 CCR 2016 CALIFORNIA ELECTRICAL CODE (CEC); PART 3, TITLE 24 CCR 2016 CALIFORNIA MECHANICAL CODE (CMC); PART 4, TITLE 24 CCR 2016 CALIFORNIA PLUMBING CODE (CPC); PART 5, TITLE 24 CCR 2016 CALIFORNIA ENERGY CODE (CENC); PART 6, TITLE 24 CCR 2016 CALIFORNIA FIRE CODE (CFC); PART 9, TITLE 24 CCR 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN); PART 11, TITLE 24 CCR
2	0 REPORT DEFICIENCIES WITHIN THIRTY (30) DAYS UPON AUTHORIZATION TO PROCEED. NO PLUMBING SHALL BE INSTALLED UNTIL ALL REQUIRED PLUMBING PLAN CHECK PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM ALL REQUIRED AGENCIES.
3	0 LAVATORY FAUCETS, SINK FAUCETS (NOT INCLUDING SERVICE SINK FAUCETS OR FAUCETS DESIGNATED AS INSTITUTIONAL) SHALL MEET THE FLOW REQUIREMENTS OUTLINED IN THE APPLIANCE EFFICIENCY STANDARDS.
4	0 COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES AND DRAINS.
5	0 PROVIDE ALL TAILPIECES, TRAPS, STOPS, AND SUPPLY PIPES TO LAVATORIES DESIGNED AS ACCESSIBLE, WITH PREFORMED INSULATION JACKET.
6	0 COORDINATE AND SCHEDULE TIMING FOR UTILITY SERVICE CONNECTION.
7	0 ALL LINES BELOW SLAB ON GRADE TO BE LOCATED AWAY FROM ALL LOAD BEARING FOOTINGS.
8	0 ALL VENTS THRU ROOF SHALL BE MINIMUM OF 18 INCHES VERTICAL AND 10 FEET HORIZONTAL AWAY FROM ALL AIR CONDITIONING FRESH AIR INTAKES AND PROVIDED WITH VANDAL PROOF HOODS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, ROOFS, FOOTINGS, FLOORS, INCLUDING ALL SAW CUTTING AND CORE DRILLING. COORDINATE ALL SAW CUTTING AND CORE DRILLING WITH STRUCTURAL DRAWINGS. ANY CUTTING AND DRILLING REQUIRED OF STRUCTURAL ELEMENTS THAT IS NOT SPECIFICALLY SHOWN ON THE PLANS SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION PRIOR TO CUTTING AND DRILLING. CONTRACTOR SHALL SUBMIT PROPOSED LOCATION AND SIZES OF SUCH CUTTING AND DRILLING FOR THE ARCHITECTS AND STRUCTURAL ENGINEERS APPROVAL.
9	0 COORDINATE ALL EQUIPMENT LOCATIONS, PIPE PENETRATIONS AND EQUIPMENT PAD LOCATIONS WITH STRUCTURAL DRAWING PRIOR TO WORK.
10	0 COORDINATE INSTALLATION OF ALL EQUIPMENT AND PIPING WITH OTHER TRADES PRIOR TO INSULATION. ENSURE THAT ALL CONTROL DEVICES, SHUT-OFF VALVES, ETC. ARE ACCESSIBLE FOR MAINTENANCE. WHERE ACCESS PANELS IN FINISHED SPACES, OTHER THAN THAT SHOWN, CONTRACTOR SHALL PROVIDE AND COORDINATE EXACT LOCATION OF PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
12	0 ANY STRUCTURAL FIREPROOFING DAMAGED DURING INSTALLATION OF PLUMBING EQUIPMENT, PIPING, ETC. SHALL BE REPAIRED AT NO COST TO THE OWNER. REPAIRS SHALL BE AS DIRECTED BY THE ARCHITECT.
13	0 ALL PIPING PASSING THROUGH CONCRETE/MASONRY WALLS AND FLOORS ARE TO BE SLEEVED.
14	0 NEW OR REPAIRED POTABLE WATER SYSTEMS SHALL BE DISINFECTED PRIOR TO USE PER 2016 CPC 609.9. THE METHOD TO BE FOLLOWED SHALL BE THAT PRESCRIBED BY THE HEALTH AUTHORITY OR, IN CASE NO METHOD IS PRESCRIBED BY IT, THE FOLLOWING: A) THE PIPE SYSTEM SHALL BE FLUSHED WITH CLEAN, POTABLE WATER UNTIL POTABLE WATER APPEARS AT THE POINTS OF OUTLET. B) THE SYSTEM OR PARTS THEREOF SHALL BE FILLED WITH A WATER-CHLORINE SOLUTION CONTAINING NOT LESS THAN 50 PARTS PER MILLION OF CHLORINE, AND THE SYSTEM OR PART THEREOF SHALL BE VALVED-OFF AND ALLOWED TO STAND FOR 24 HOURS; OR, THE SYSTEM OF PART THEREOF SHALL BE FILLED WITH A WATER-CHLORINE SOLUTION CONTAINING NOT LESS THAN 200 PARTS PER MILLION OF CHLORINE AND ALLOWED TO STAND FOR 3 HOURS. C) FOLLOWING THE ALLOWED STANDING TIME, THE SYSTEM SHALL BE FLUSHED WITH CLEAN, POTABLE WATER UNTIL THE CHLORINE RESIDUAL IN THE WATER COMING FROM THE SYSTEM DOES NOT EXCEED THE CHLORINE RESIDUAL IN THE FLUSHING WATER. D) THE PROCEDURE SHALL BE REPEATED WHERE IT IS SHOWN BY BACTERIOLOGICAL EXAMINATION MADE BY AN APPROVED AGENCY THAT CONTAMINATION PERSISTS IN THE SYSTEM.

PLUMBING TITLE 24 NOTES	
1	PROVIDE WATER HEATERS CERTIFIED IN COMPLIANCE WITH CALIFORNIA ENERGY APPLIANCE EFFICIENCY STANDARDS.
2	PROVIDE DOMESTIC HOT WATER PIPING INSULATION IN ACCORDANCE WITH THE CALIFORNIA ENERGY EFFICIENCY STANDARDS.

PLUMBING LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
	COTG	CLEAN OUT THROUGH GRADE
	FCO	FLOOR CLEAN OUT
		VALVE IN PIPE DROP OR PIPE RISER
		UNION
	PV	PLUG VALVE PLAN VIEW
	WCO	WALL CLEANOUT
		PIPE DOWN
		PIPE UP
		PIPE TEE DOWN
	POC OR POD	POINT OF CONNECTION OR POINT OF DISCONNECT
	SW	SOIL OR WASTE
	S/W	EXISTING SOIL OR WASTE
	CW	COLD WATER
	CD	CONDENSATE DRAIN
	HW	HOT WATER
	V	SANITARY VENT

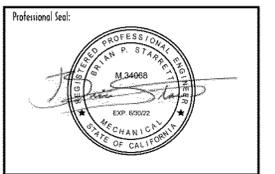


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Drawing Status:	Contract Document
Revision Summary:	

Project:	New Dispatch Center Tulare County Sheriff & Fire 5300 West Tulare Avenue Visalia, California
Sheet Description:	PLUMBING GENERAL

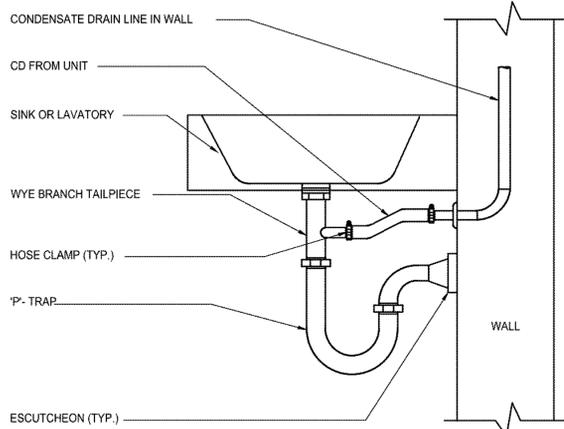
Date:	08/08/20
Project:	19-700
Scale:	AS NOTED
Sheet No.:	P0.0
Of # sheets	

LOW FLOW ACTIVATED WATER HEATER SCHEDULE									
TAG	MAKE	MODEL	INSTALLATION LOCATION	ELECTRICAL DATA			DRY WEIGHT LBS	REMARKS SEE BELOW	INSTALLATION DETAIL
				POWER V/φ/HZ	WATTS	MOC			
WH 1	CHRONOMITE	SR-20L	UNDER SINK	208/1/60	4160	20	10	NA	3/P.0.1
WH 2	CHRONOMITE	SR-20L	UNDER SINK	208/1/60	4160	20	10	NA	3/P.0.1
WH 3	CHRONOMITE	SR-20L	UNDER SINK	208/1/60	4160	20	10	NA	3/P.0.1
WH 4	CHRONOMITE	SR-20L	UNDER SINK	208/1/60	4160	20	10	NA	3/P.0.1

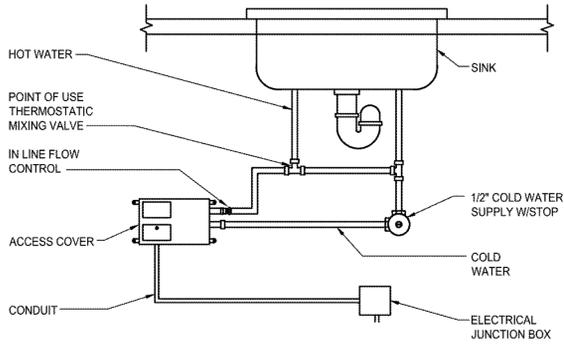
NOTES:

COMMERCIAL PLUMBING FIXTURE SCHEDULE									
TAG	FIXTURE	BRANCH SIZE				REMARKS			
		W	V	CW	HW				
IMS-1	ICE MAKER SUPPLY	NA	NA	1/2"	NA	OATEY #38681, 6"X6"X3-3/8" RECESSED IN WALL PLASTIC BOX W/BRASS VALVE			
S-1	SINK	2"	1-1/2"	1/2"	1/2"	COUNTER MOUNTED, ELKAY #LRADO191855, 18"LX19"WX5-1/2"D. 18 GA 304 STAINLESS STEEL, SINGLE BASIN, REAR CENTER DRAIN LOCATION. ELKAY FAUCET #LKD208513C, 1.5 GPM. INSTALL PER ADA REQUIREMENTS.			
S-2	SINK	2"	1-1/2"	1/2"	1/2"	COUNTER MOUNTED, ELKAY #DRKAD282265, 28"DXX2"WX6-1/2"D. 18 GA 304 STAINLESS STEEL, SINGLE BASIN, REAR CENTER DRAIN, ELKAY FAUCET #LKG600CR, 1.5 GPM. PROVIDE WITH BUBBLER ON THE SIDE. VERIFY WITH ARCHITECT EXACT LOCATION. INSTALL PER ADA REQUIREMENTS.			

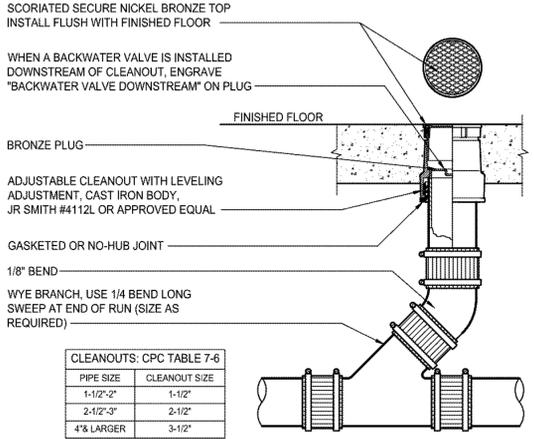
1. CONTRACTOR SHALL SUBMIT CATALOG CUT SHEETS TO THE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO PURCHASING FIXTURES. DATA GIVEN IN SCHEDULE PROVIDES CODE REQUIRED FLOW RATES AND MINIMUM BRANCH PIPING SIZES.
2. ALL SINKS TO BE FIELD PUNCHED PER ARCHITECT FOR SOAP DISPENSER.



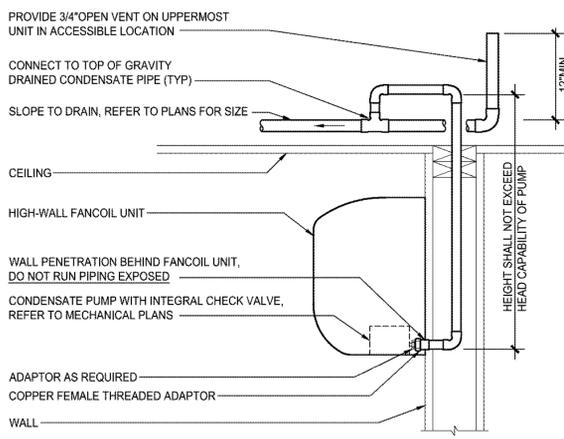
5 CONDENSATE TO TAIL PIECE DETAIL
NTS



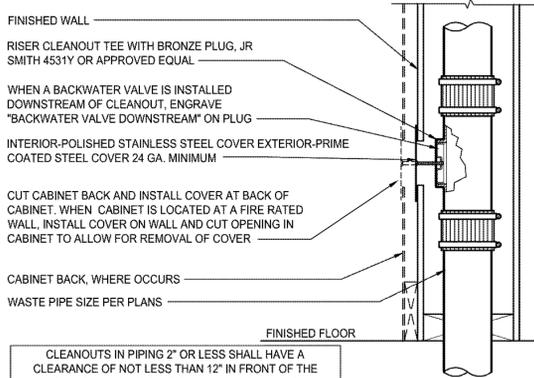
3 POU TANKLESS ELECTRIC WATER HEATER
NTS



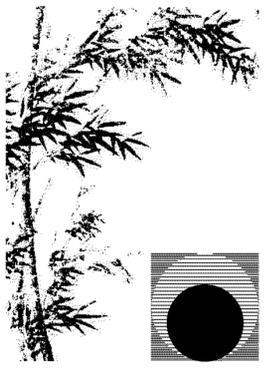
1 FLOOR CLEANOUT
NTS



4 HIGH-WALL FANCOIL CONDENSATE DRAIN
NTS

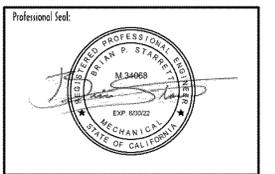


2 WALL CLEANOUT
NTS



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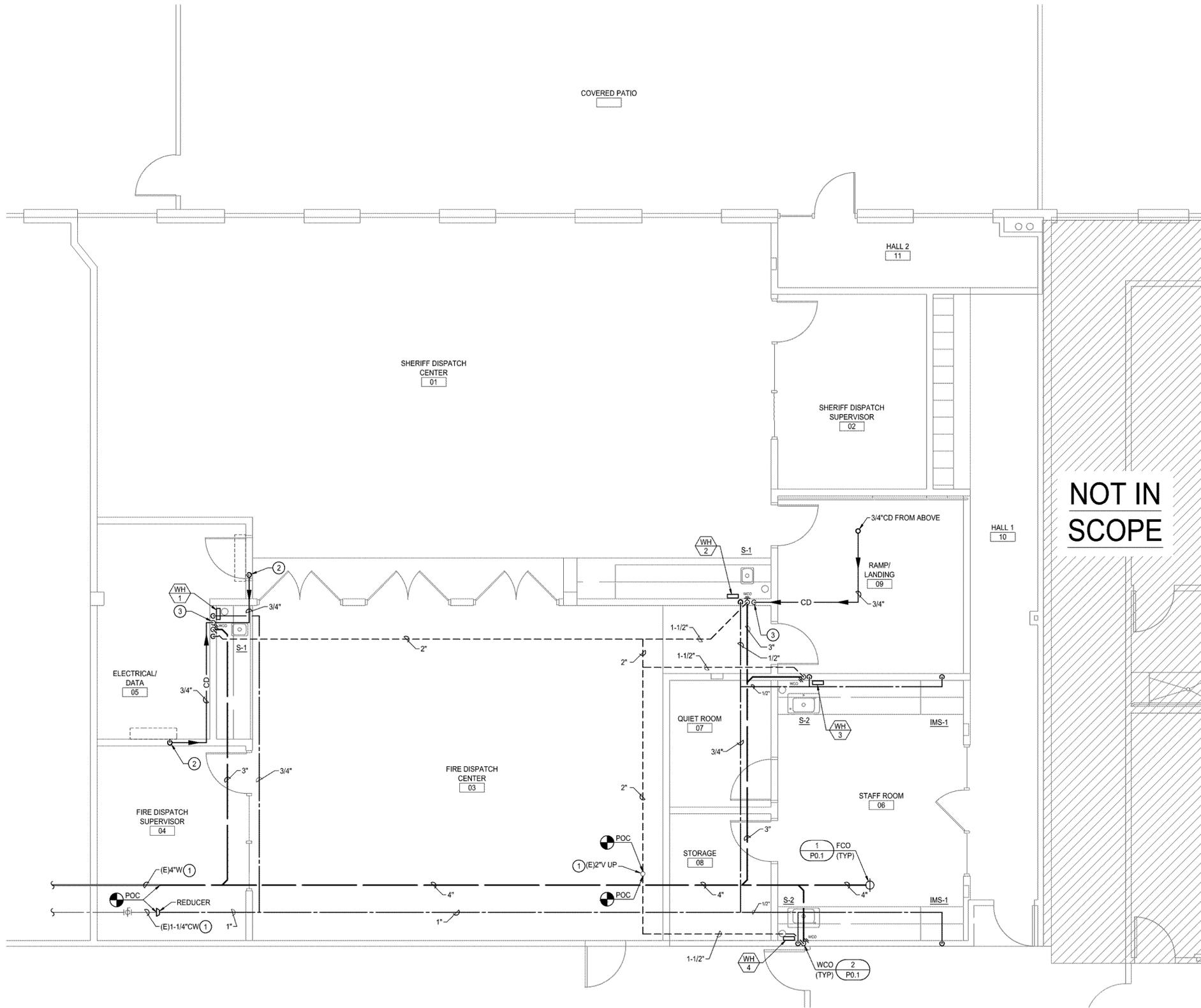
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Project:
**New Dispatch Center
Tulare County Sheriff & Fire
5300 West Tulare Avenue
Visalia, California**

Sheet Description:
**PLUMBING SCHEDULES
& DETAILS**

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Of # sheets

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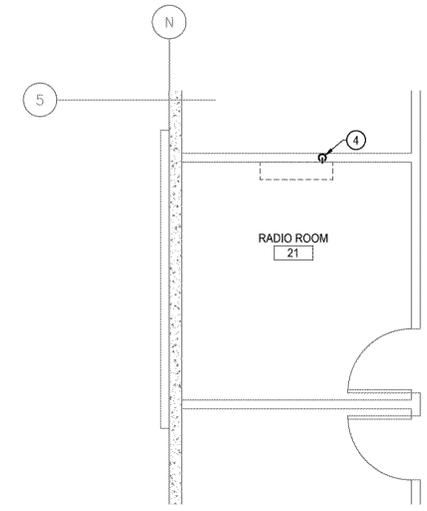


1 PLUMBING FLOOR PLAN

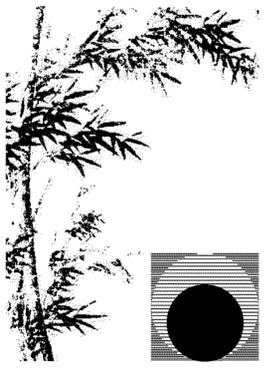
SCALE: 1/4" = 1'-0"



KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	CONTRACTOR TO FIELD VERIFY EXACT SIZE OF PIPING AND POINT OF CONNECTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2	3/4" CONDENSATE CONNECTION TO MECHANICAL EQUIPMENT. SEE DETAIL 4/P.0.1 FOR MORE INFORMATION.
3	3/4" CONDENSATE DRAIN DOWN IN WALL. TERMINATE TO FIXTURE TAILPIECE. SEE DETAIL 5/P.0.1 FOR MORE INFORMATION.
4	3/4" CONDENSATE CONNECTION TO MECHANICAL EQUIPMENT. SEE DETAIL 4/P.0.1 FOR CONNECTION AND ROUTE PIPING DOWN TO BELOW.
PLUMBING GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE PLUMBING FIXTURE SCHEDULE FOR BRANCH PIPE SIZING.
2	SLOPE SANITARY WASTE PIPING MIN 2% IN DIRECTION OF FLOW.
3	SLOPE VENT PIPING UP TOWARDS VTR MIN 1%.
4	SLOPE CONDENSATE PIPING MIN 1% IN DIRECTION OF FLOW.
5	PROVIDE ANGLE STOPS FOR ALL PLUMBING FIXTURE BRANCH PIPING LINES.
MATERIALS EXPOSED WITHIN ANY SPACE BEING USED AS AN AIR PLENUM SHALL BE NON COMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50, WHEN TESTED AS A COMPOSITE PRODUCT IN ACCORDANCE WITH ONE OF THE FOLLOWING TEST METHODS: NFPA 255, METHOD OF TEST OF SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS, ASTM E84, SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS, OR UL 723, TEST FOR SURFACE BURNING CHARACTERISTIC OF BUILDING MATERIALS.	

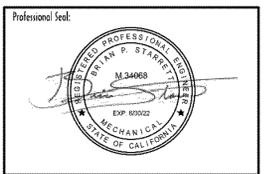


2 PLUMBING FLOOR PLAN @ RADIO ROOM
SCALE: 1/4" = 1'-0"



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