	ABBREVI	ATIC	ONS	ELEC	TRICAL LIGHTING SYMBOLS	GENERAL PROVISIONS	CONDUIT/WIRING - GENERAL	POWER - GENERAL
MARK	DESCRIPTION	MARK		\$	SINGLE POLE SWITCH 20A., 120/277 V.	I. FURNISH AND INSTALL ALL ITEMS, INCLUDING EVERY ARTICLE, DEVICE, OR ACCESSORY	1. ALL WALL MOUNTED OUTLETS AND/OR ROYES SHALL NOT BE MOUNTED BACK_TO_BACK	WHERE SEPARATE HOMERUNS ARE INDICATED ON THE PLANS, DO NOT UTILIZE THE
	AUTOMATIC DAMPER ABOVE FINISHED FLOOR	MCC MDP	MOTOR CONTROL CENTER MAIN DISTRIBUTION PANEL	\$3	"3" DENOTES 3-WAY SWITCH: "4" DENOTES 4-WAY: "2" DENOTES 2-POLE 20 A., 120/277 V.	REASONABLY NECESSARY TO FACILITATE EACH SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT SPECIFIED. ELEMENTS OF THE WORK SHALL INCLUDE,	ALL WALL MOUNTED OUTLETS AND/OR BOXES SHALL NOT BE MOUNTED BACK—TO—BACK ON EITHER SIDE OF WALL AND SHALL BE SEPARATED BY A WALL STUD.	NEUTRAL OR GROUND CONDUCTOR FOR ANY OTHER CIRCUITS. TERMINATE ONLY AT DEVICES AND PANELBOARD AS INDICATED.
AHU	AIR HANDLING UNIT	мн	METAL HALIDE	Ф	WALL DIMMER SWITCH AS SPECIFIED	BUT ARE NOT LIMITED TO, MATERIALS, LABOR, SUPERVISION, SUPPLIES, EQUIPMENT, TRANSPORTATION, HOISTING/RIGGING, STORAGE, UTILITIES, AND ALL REQUIRED PERMITS AND	2. AT ALL EXPOSED CEILING AREAS, UTILIZE 3/4" MINIMUM EMT CONDUIT FOR ALL BRANCH CIRCUITING, FIRE ALARM, AND CONTROLS CABLING. COORDINATE ALL CONDUIT ROUTING WITH	2. REFER TO PLUMBING AND MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND POWER
	AMPERE INTERRUPTING CAPACITY ALUMINUM	MLO MSB	MAIN LUG ONLY MAIN SWITCHBOARD	\$os	OCCUPANCY SENSOR WALL SWITCH AS SPECIFIED	LICENSES. 2. DRAWINGS ARE SCHEMATIC IN NATURE AND DO NOT NECESSARILY REFLECT ALL WORK	THE ARCHITECT PRIOR TO INSTALLATION AND PROVIDE A SHOP DRAWING FOR REVIEW THAT INDICATES ALL PROPOSED CONDUIT ROUTING AT EXPOSED CEILING AREAS. ALL CONDUIT SHALL BE INSTALLED PARALLEL AND PERPENDICULAR TO THE LINES OF THE BUILDING AND SHALL BE	REQUIREMENTS FOR EACH RESPECTIVE SYSTEM.
1 '""	AUTOMATIC TRANSFER SWITCH AMERICAN WIRE GAUGE	MTS	MANUAL TRANSFER SWITCH	\$ĸ	"K" DENOTES KEY OPERATED SWITCH	REQUIRED TO COMPLETE PROJECT. CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT AS REQUIRED TO COMPLETE PROJECT WITHIN DESIGN INTENT AT NO	PAINTED TO MATCH THE FINISH OF THE STRUCTURE.	
BKR	BREAKER	NEC NEMA	NATIONAL ELECTRICAL CODE	\$k3	"K3" DENOTES KEY OPERATED 3-WAY SWITCH	ADDITIONAL COST TO OWNER/TENANT OR TENANT. CONTRACTOR SHALL REQUEST ADDITIONAL INFORMATION IN CASES OF DOUBT.		
	CONDUIT CLOSED CIRCUIT TELEVISION	NEMA NFPA	NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION NATIONAL FIRE PROTECTION	OS	OCCUPANCY SENSOR AS SPECIFIED 3	3. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE	COMMUNICATION - GENERAL	
	CIRCUIT CURRENT TRANSFORMER	NIC	NATIONAL FIRE PROTECTION ASSOCIATION NOT IN CONTRACT			BASE BUILDING ELECTRICAL SPECIFICATIONS AND STANDARDS, AND IN STRICT ACCORDANCE WITH THE 2023 NEC, AND THE MOST RECENTLY REVISED VERSIONS OF ALL APPLICABLE PORTIONS OF ALL NATIONAL, STATE, AND LOCAL CODES AND STANDARDS. MODIFICATIONS	PROVIDE AN EMPTY BOX AND PULL STRING TO ACCESSIBLE CEILING SPACE FOR ALL	
CU	COPPER	NF	NON-FUSED NIGHT LIGHT			REQUIRED BY THE ABOVE SAID AUTHORITIES SHALL BE MADE WITHOUT ADDITIONAL CHARGE TO THE OWNER/TENANT. WHERE ALTERATIONS TO AND DEVIATIONS FROM THE	COMMUNICATION AND A/V DEVICES UNLESS NOTED OTHERWISE. ALL COMMUNICATION DEVICES LOCATED ON WALLS TO DECK AND/OR SOUND INSULATED WALLS SHALL BE	
I	DIRECT CURRENT DISCONNECT	NTS	NOT TO SCALE			CONTRACT DOCUMENTS ARE REQUIRED BY SAID AUTHORITY, REPORT THE REQUIREMENTS AND SECURE APPROVAL BEFORE STARTING WORK. WHERE THE CONTRACT DOCUMENTS	PROVIDED WITH 3/4" EMT CONDUIT AND PULL STRING INTO ACCESSIBLE CEILING SPACE.	
	DISTRIBUTION PANEL ELECTRICAL CONTRACTOR	PF PNL	POWER FACTOR PANEL OR PANELBOARD	ELECTE	RICAL DISTRIBUTION SYMBOLS	ARE IN EXCESS OF CODE REQUIREMENTS, THE CONTRACT DOCUMENTS SHALL GOVERN. IN THE EVENT OF A CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND APPLICABLE		
EDF	ELECTRIC DRINKING FOUNTAIN	PVC RACP	POLYVINYL CHLORIDE REMOTE ANNUNCIATOR	NOTE: ALL SY	MBOLS DO NOT NECESSARILY APPEAR ON THESE DRAWINGS	CODES, THE LATTER SHALL GOVERN. THE CONTRACTOR SHALL OBTAIN A COPY OF THE BASE BUILDING SPECIFICATIONS AND OWNER/TENANTS BUILDING STANDARDS PRIOR TO START OF WORK.	WIRING DEVICES - GENERAL	
	ELECTRICAL METALLIC TUBING EMERGENCY POWER OFF		CONTROL PANEL	SYMBOL	DESCRIPTION (ABBREVIATION)	4. FIELD VERIFICATION OF EXISTING CONDITIONS SHALL BE THE RESPONSIBILITY OF THE	ALL WIRING DEVICES SHALL BE RATED 20-AMP MINIMUM.	
	ELECTRIC WATER CHILLER ELECTRIC WATER HEATER	RCP RE:	REFLECTED CEILING PLAN REFERENCE		SWITCHBOARD	CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES FOUND PRIOR TO SUBMISSION OF BID. THE CONTRACTOR SHALL TAKE	ALL WIRING DEVICES SHALL BE RATED 20-AMP MINIMOM. ALL NEW AND EXISTING GFI RECEPTACLES INDICATED ON THE PLANS SHALL MEET THE	
	FIRE ALARM FIRE ALARM CONTROL PANEL	RLA SB	RATED LOAD AMPS SWITCHBOARD		POWER AND/OR DISTRIBUTION PANELBOARD	NOTE THAT THE DRAWINGS ARE SCHEMATIC IN NATURE AND INDICATE THE APPROXIMATE LOCATIONS OF THE ELECTRICAL SYSTEMS. LOCATE ALL ITEMS BY ON—THE—JOB	REVISED 2006 U.L. #943 REQUIREMENTS. WEATHERPROOF RECEPTACLES SHALL BE LISTED WEATHER RESISTANT TYPE. REPLACE EXISTING DEVICES AS REQUIRED.	
FC	FOOT CANDLE	SFD	SMOKE/FIRE DAMPER		LIGHTING AND/OR RECEPTACLE PANELBOARD	MEASUREMENTS. COORDINATE INSTALLATION WITH OTHER TRADES TO ENSURE PROPER FIT AND ACCESS TO ALL ITEMS.		
	FAN COIL UNIT FULL LOAD AMPS	SPEC. SF	SPECIFICATIONS SQUARE FEET	<u> TTB</u>	FIRE RETARDANT TELEPHONE TERMINAL BOARD	5. CONSIDERATION SHALL NOT BE GRANTED FOR MISUNDERSTANDING OF THE SCOPE OR AMOUNT OF WORK TO BE PERFORMED. TENDER OF A PROPOSAL CONVEYS FULL		
	GENERAL CONTRACTOR GROUND FAULT INTERRUPTER	TS TTB	TIME SWITCH TELEPHONE TERMINAL BOARD		DRY TYPE TRANSFORMER	CONTRACTOR AGREEMENT OF THE ITEMS AND CONDITIONS SPECIFIED AND/OR INDICATED, SCHEDULED, OR IMPLIED ON THE CONTRACT DOCUMENTS, AND/OR REQUIRED BY THE		
GND.	GROUND	TV TVB	TELEVISION	TS	TIME SWITCH	NATURE OF THIS WORK. 3. ALL WORK SHALL BE ARRANGED IN A NEAT, WELL ORGANIZED MANNER. ALL SERVICES		
	HEAVY DUTY HAND-OFF-AUTO	UG	TYPICAL UNDERGROUND	PC	PHOTO CELL	SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO THE PRIMARY LINES OF THE BUILDING. LOCATE ALL OPERATING AND CONTROL EQUIPMENT PROPERLY TO PROVIDE EASY		
	HORSEPOWER ISOLATED GROUND	UH U.N.O.	UNIT HEATER UNLESS NOTED OTHERWISE		CONDUIT CONCEALED IN OR BELOW FLOOR OR GRADE	ACCESS AND ARRANGE ENTIRE WORK WITH ADEQUATE ACCESS FOR OPERATION AND MAINTENANCE, AND FOR PROPER CODE AND/OR MANUFACTURERS CLEARANCES.		
IMT	INTERMEDIATE METAL	UPS	UNINTERRUPTIBLE POWER SUPPLY		CONDUIT IN CEILING OR WALLS	7. REFERENCE THE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.		
1	THOUSAND CIRCULAR MILS KILOWATT	VAV VFD	VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE		CONDUIT EXPOSED			
	LOCKED ROTOR AMPS METAL CLAD	WH	WATER HEATER	 	HOME RUN, HASH MARKS INDICATE NUMBER OF DEDICATED CONDUCTORS i.e. 3 HOTS, 1 NEUTRAL, AND 1 GROUND.			
	METAL CLAD MAIN CIRCUIT BREAKER	XFMR	WEATHER PROOF TRANSFORMER	 ~	DEDICATED LEG OF CIRCUIT, HASH MARKS INDICATE NUMBER OF DEDICATED CONDUCTORS.	LOCAL ELECTRICAL PROVISIONS		
					JUNCTION BOX	. WORK SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES WITHIN THE		
	WIRING DEVI	CE S	YMBOLS	P	BASE BUILDING 120V POWER GRID JUNCTION BOX, NUMBER INDICATES CIRCUIT NUMBER	CITY OF AUSTIN ETJ, (AHJ) AUTHORITY HAVING JURISDICTION, AND THE 2021 IECC.		
NOTE: ALL	SYMBOLS DO NOT NECESSA	RILY APP	PEAR ON THESE DRAWINGS	<u> (L)</u>	BASE BUILDING LIGHTING GRID JUNCTION BOX, NUMBER INDICATES CIRCUIT NUMBER			
SYMBO	L DESCRIPT	ION (A	ABBREVIATION)	<i>\O</i>	MOTOR			
Ψ	GENERAL PURPOSE DU	JPLEX RE	ECEPTACLE	\$M	MANUAL MOTOR STARTER WITH THERMAL TRIP			
Ψ	DEDICATED CIRCUIT DU	JPLEX RE	ECEPTACLE		DISCONNECT SWITCH - NON FUSED (SIZE AS INDICATED)			
#	FOURPLEX RECEPTACLI	E			FUSED DISCONNECT SWITCH (SIZE AS INDICATED)			
Ψ	SIMPLEX RECEPTACLE	AS SPEC	CIFIED		MAGNETIC MOTOR STARTER (SIZE AS INDICATED) COMBINATION MAGNETIC MOTOR STARTER/DISCONNECT			
Ψ	MULTI-PHASE SIMPLEX				SWITCH (SIZE AS INDICATED)			
₩ DIG	DUPLEX RECEPTACLE				AUTOMATIC TRANSFER SWITCH			
			DATA OUTLET DEVICES QUIRED FOR CONDUIT)		MANUAL TRANSFER SWITCH			
•			POWER AND DATA OUTLET	FIRE	E ALARM DEVICE SYMBOLS			
<u>+©</u>	CLOCK OUTLET WITH H	HANGER			MBOLS DO NOT NECESSARILY APPEAR ON THESE DRAWINGS			
_	TELEPHONE OUTLET			SYMBOL	DESCRIPTION (ABBREVIATION)			
	DATA OUTLET			FACP	FIRE ALARM CONTROL PANEL			
4	DATA AND OR TELECOI		ATA OUTLET JUNCTION BOX	RACP	FIRE ALARM REMOTE ANNUNCIATOR CONTROL PANEL			
▼ w	WITH MULTIPLE DATA (DUTLETS			WALL MOUNTED FIRE ALARM MANUAL PULL STATION +48" WALL MOUNTED COMBINATION TONE/VOICE/VISUAL ALARM			
₩ "	TELEVISION OUTLET	LEI (+40	o AFF UNU)		DEVICE +80" (110 cd)			
CR P		/ CARD F	READER (JUNCTION BOX)		WALL MOUNTED VISUAL FIRE ALARM +80" (110CD)			
PP PP	POWER POLE AS SPEC		NEADEN (GONCHON BOX)	(AV)	CEILING MOUNTED COMBINATION TONE/VOICE/VISUAL ALARM			DRAWING INDEX
РР	PUSH BUTTON INTERLO		/ITH SIGNAL DEVICE		CEILING MOUNTED VISUAL FIRE ALARM			DRAWING DESCRIPTION
GB	GROUND BAR AS SPEC		3.5.W.E DEVICE	(A)	FIRE ALARM SIGNAL SPEAKER, TONE/VOICE SMOKE DETECTOR			E000 ELECTRICAL COVER SHEET
					DUCT TYPE SMOKE DETECTOR			E101 ELECTRICAL SITE PLAN - NEIGHBORHOOD 8
				H	HEAT DETECTOR			E102 ELECTRICAL SITE PLAN - NEIGHBORHOOD 9
					REMOTE ACCESSORY RELAY			E201 ELECTRICAL KITCHEN LIGHTING AND POWER PLAN - NEIGHBORHOOD 8
	<u> </u>		<u> </u>	DH	SMOKE DOOR HOLD OPEN/RELEASE DEVICE			E202 ELECTRICAL KITCHEN LIGHTING AND POWER PLAN — NEIGHBORHOOD 9 E301 ELECTRICAL BATH HOUSE LIGHTING AND POWER PLAN —
ELEC	CTRICAL LIGH	rinc	SYMBOLS	SFD	SMOKE/FIRE DAMPER, ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCH			NEIGHBORHOOD 8
	SYMBOLS DO NOT NECESSA			W	SPRINKLER WATER FLOW SWITCH MONITOR POINT			E302 ELECTRICAL BATH HOUSE LIGHTING AND POWER PLAN — NEIGHBORHOOD 9
SYMBO			ABBREVIATION)	 	VALVE WITH TAMPER DETECTOR / SWITCH			E401 ELECTRICAL BATH HOUSE EQUIPMENT PLAN - NEIGHBORHOOD 8
	2X4 LIGHT FIXTURE AS			#	ELECTRIC DOOR LOCK			E402 ELECTRICAL BATH HOUSE EQUIPMENT PLAN - NEIGHBORHOOD 9
			IT FIXTURE AS SPECIFIED	TEPO	EMERGENCY POWER OFF SWITCH, WITH CLEAR HINGED PROTECTIVE COVER			E501 ELECTRICAL RISER DIAGRAMS AND SCHEDULES - NEIGHBORHOOD 8
	2X2 LIGHT FIXTURE AS							E502 ELECTRICAL RISER DIAGRAMS AND SCHEDULES - NEIGHBORHOOD 9
			IT FIXTURE AS SPECIFIED		1			
	1X4 LIGHT FIXTURE AS							
			IT FIXTURE AS SPECIFIED					
	WALL MOUNTED LIGHT							
	FLUORESCENT STRIP L		SPECIFIED					
	DOWN LIGHT AS SPECI		S LIGHT FIXTURE AS					
	SPECIFIED							
	SPECIFIED							
<u></u> ♣	EXIT LIGHT WITH DIRECT							
-	SINGLE POLE SWITCH	∠∪A., 1	12U/2// V.	_				
				_				
	<u> </u>			-				

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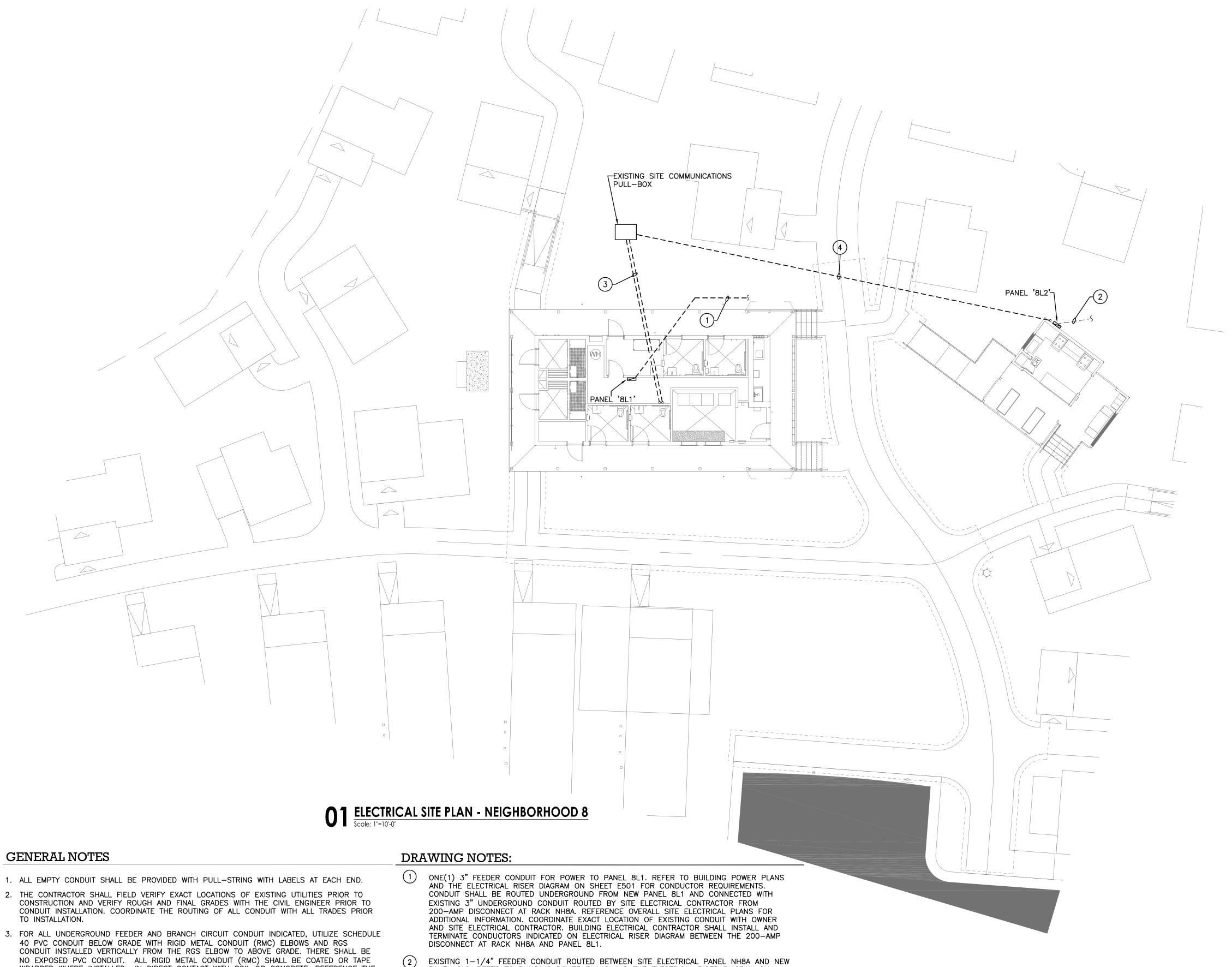


Issue

01.15.25 ISSUE FOR CONSTRUCTION

Project Number: 24-093a

ELECTRICAL COVER SHEET



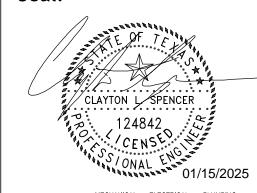
- WRAPPED WHERE INSTALLED IN DIRECT CONTACT WITH SOIL OR CONCRETE. REFERENCE THE SPECIFICATIONS FOR ADDITIONAL CONDUIT AND DUCT BANK INSTALLATION REQUIREMENTS. UTILIZE 36" RADIUS BENDS AND PROVIDE PULL-STRINGS FOR COMMUNICATIONS CONDUITS. PROVIDE PULL-STRINGS IN ALL EMPTY CONDUITS INDICATED FOR FUTURE USE.
- 4. COORDINATE THE ROUTING OF SECURITY SERVICE CONDUIT, EXACT STUB-UP LOCATION, AND CONDUIT INSTALLATION REQUIREMENTS WITH THE RESPECTIVE SECURITY PROVIDER.
- PANEL 8L2. REFER TO BUILDING POWER PLANS AND THE ELECTRICAL RISER DIAGRAM ON SHEET E501 FOR CONDUCTOR REQUIREMENTS. BUILDING ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATION OF EXISTING CONDUIT AND MAKE FINAL TERMINATION TO NEW PANEL 8L2. REFERENCE OVERALL SITE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION OF EXISTING CONDUIT WITH OWNER AND SITE ELECTRICAL CONTRACTOR. BUILDING ELECTRICAL CONTRACTOR SHALL INSTALL AND TERMINATE CONDUCTORS INDICATED ON ELECTRICAL RISER DIAGRAM BETWEEN THE EXISTING 60-AMP, 2-POLE BREAKER AT SITE PANEL NH8A-21/23 AND PANEL 8L2.
- INSTALL ONE(1) 4" AND ONE(1) 2" COMMUNICATION CONDUIT WITH PULL-STRINGS AND ROUTE UNDERGROUND AS INDICATED BETWEEN THE BUILDING MECHANICAL ROOM AND EXISTING COMMUNICATIONS PULL-BOX. REFERENCE SITE TELECOMMUNICATIONS PLANS FOR ADDITIONAL INFORMATION AND COORDINATE EXACT PULL-BOX LOCATION WITH SITE COMMUNICATIONS CONTRACTOR.
- INSTALL ONE(1) 4" COMMUNICATION CONDUIT WITH PULL-STRING AND ROUTE UNDERGROUND AS INDICATED BETWEEN THE KITCHEN BUILDING AND EXISTING COMMUNICATIONS PULL-BOX. REFERENCE SITE TELECOMMUNICATIONS PLANS FOR ADDITIONAL INFORMATION AND COORDINATE EXACT PULL-BOX LOCATION AND STUB-UP LOCATION WITH SITE COMMUNICATIONS CONTRACTOR.

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PLAN NORTH



Issue

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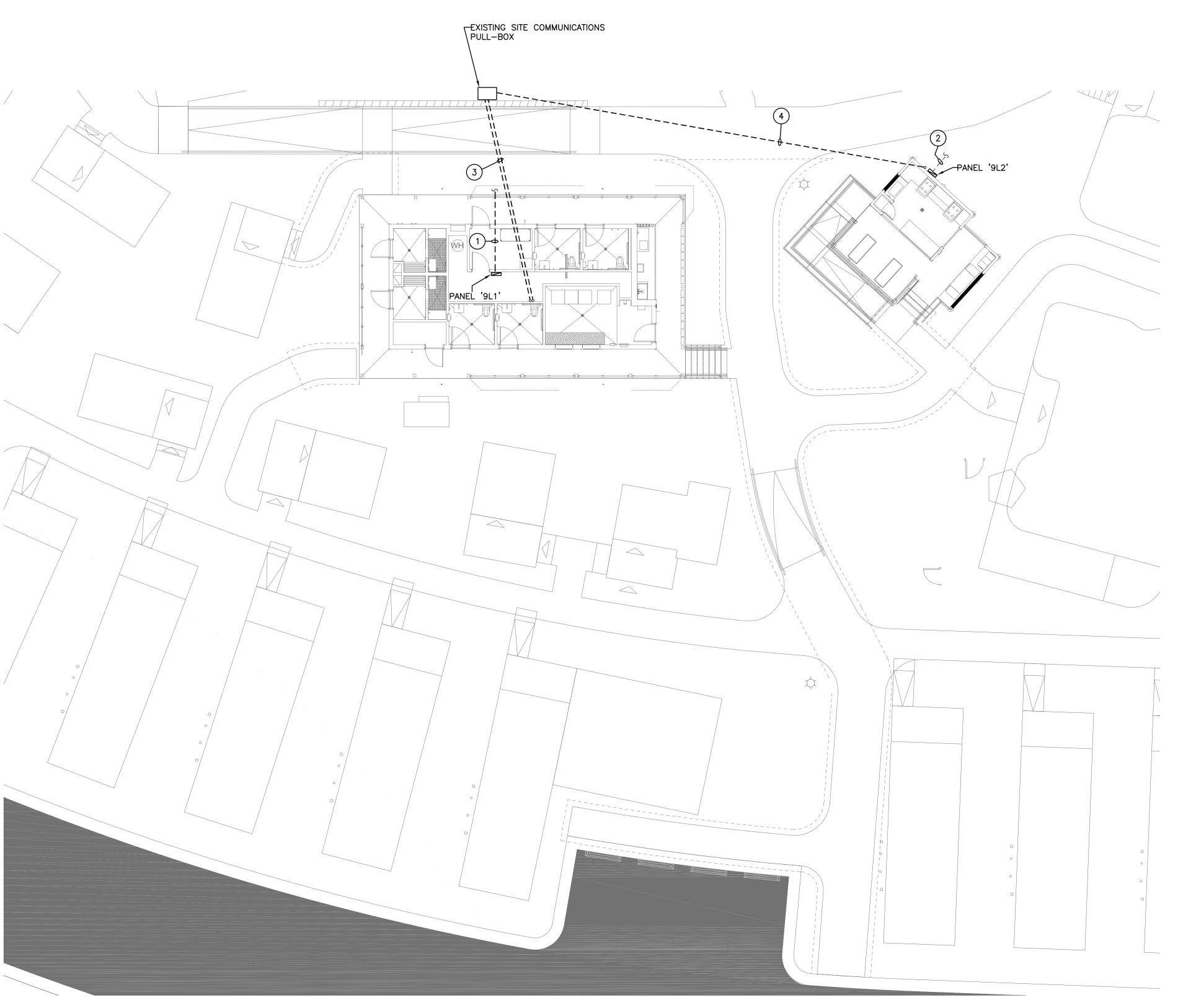
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ELECTRICAL SITE PLAN -NEIGHBORHOOD 8

- 1. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH PULL-STRING WITH LABELS AT EACH END.
- 2. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION AND VERIFY ROUGH AND FINAL GRADES WITH THE CIVIL ENGINEER PRIOR TO CONDUIT INSTALLATION. COORDINATE THE ROUTING OF ALL CONDUIT WITH ALL TRADES PRIOR
- 3. FOR ALL UNDERGROUND FEEDER AND BRANCH CIRCUIT CONDUIT INDICATED, UTILIZE SCHEDULE 40 PVC CONDUIT BELOW GRADE WITH RIGID METAL CONDUIT (RMC) ELBOWS AND RGS CONDUIT INSTALLED VERTICALLY FROM THE RGS ELBOW TO ABOVE GRADE. THERE SHALL BE NO EXPOSED PVC CONDUIT. ALL RIGID METAL CONDUIT (RMC) SHALL BE COATED OR TAPE WRAPPED WHERE INSTALLED IN DIRECT CONTACT WITH SOIL OR CONCRETE. REFERENCE THE SPECIFICATIONS FOR ADDITIONAL CONDUIT AND DUCT BANK INSTALLATION REQUIREMENTS. UTILIZE 36" RADIUS BENDS AND PROVIDE PULL-STRINGS FOR COMMUNICATIONS CONDUITS. PROVIDE PULL-STRINGS IN ALL EMPTY CONDUITS INDICATED FOR FUTURE USE.
- 4. COORDINATE THE ROUTING OF SECURITY SERVICE CONDUIT, EXACT STUB-UP LOCATION, AND CONDUIT INSTALLATION REQUIREMENTS WITH THE RESPECTIVE SECURITY PROVIDER.

DRAWING NOTES:

- ONE(1) 3" FEEDER CONDUIT FOR POWER TO PANEL 9L1. REFER TO BUILDING POWER PLANS AND THE ELECTRICAL RISER DIAGRAM ON SHEET E501 FOR CONDUCTOR REQUIREMENTS. CONDUIT SHALL BE ROUTED UNDERGROUND FROM NEW PANEL 9L1 AND CONNECTED WITH EXISTING 3" UNDERGROUND CONDUIT ROUTED BY SITE ELECTRICAL CONTRACTOR FROM 200-AMP DISCONNECT AT RACK NH9A. REFERENCE OVERALL SITE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION OF EXISTING CONDUIT WITH OWNER AND SITE ELECTRICAL CONTRACTOR. BUILDING ELECTRICAL CONTRACTOR SHALL INSTALL AND TERMINATE CONDUCTORS INDICATED ON ELECTRICAL RISER DIAGRAM BETWEEN THE 200-AMP DISCONNECT AT RACK NH9A AND PANEL 9L1.
- EXISITNG 1-1/4" FEEDER CONDUIT ROUTED BETWEEN SITE ELECTRICAL PANEL NH9 AND NEW PANEL 9L2. REFER TO BUILDING POWER PLANS AND THE ELECTRICAL RISER DIAGRAM ON SHEET E501 FOR CONDUCTOR REQUIREMENTS. BUILDING ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATION OF EXISTING CONDUIT AND MAKE FINAL TERMINATION TO NEW PANEL 9L2. REFERENCE OVERALL SITE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION OF EXISTING CONDUIT WITH OWNER AND SITE ELECTRICAL CONTRACTOR. BUILDING ELECTRICAL CONTRACTOR SHALL INSTALL AND TERMINATE CONDUCTORS INDICATED ON ELECTRICAL RISER DIAGRAM BETWEEN THE EXISTING 60-AMP, 2-POLE BREAKER AT SITE PANEL NH9-6/8 AND PANEL 9L2.
- INSTALL ONE(1) 4" AND ONE(1) 2" COMMUNICATION CONDUIT WITH PULL-STRINGS AND ROUTE UNDERGROUND AS INDICATED BETWEEN THE BUILDING MECHANICAL ROOM AND EXISTING COMMUNICATIONS PULL-BOX. REFERENCE SITE TELECOMMUNICATIONS PLANS FOR ADDITIONAL INFORMATION AND COORDINATE EXACT PULL—BOX LOCATION WITH SITE COMMUNICATIONS
- 4 INSTALL ONE(1) 4" COMMUNICATION CONDUIT WITH PULL-STRING AND ROUTE UNDERGROUND AS INDICATED BETWEEN THE KITCHEN BUILDING AND EXISTING COMMUNICATIONS PULL-BOX. REFERENCE SITE TELECOMMUNICATIONS PLANS FOR ADDITIONAL INFORMATION AND COORDINATE EXACT PULL—BOX LOCATION AND STUB—UP LOCATION WITH SITE COMMUNICATIONS



01 ELECTRICAL SITE PLAN - NEIGHBORHOOD 9
Scale: 1"=10'-0"

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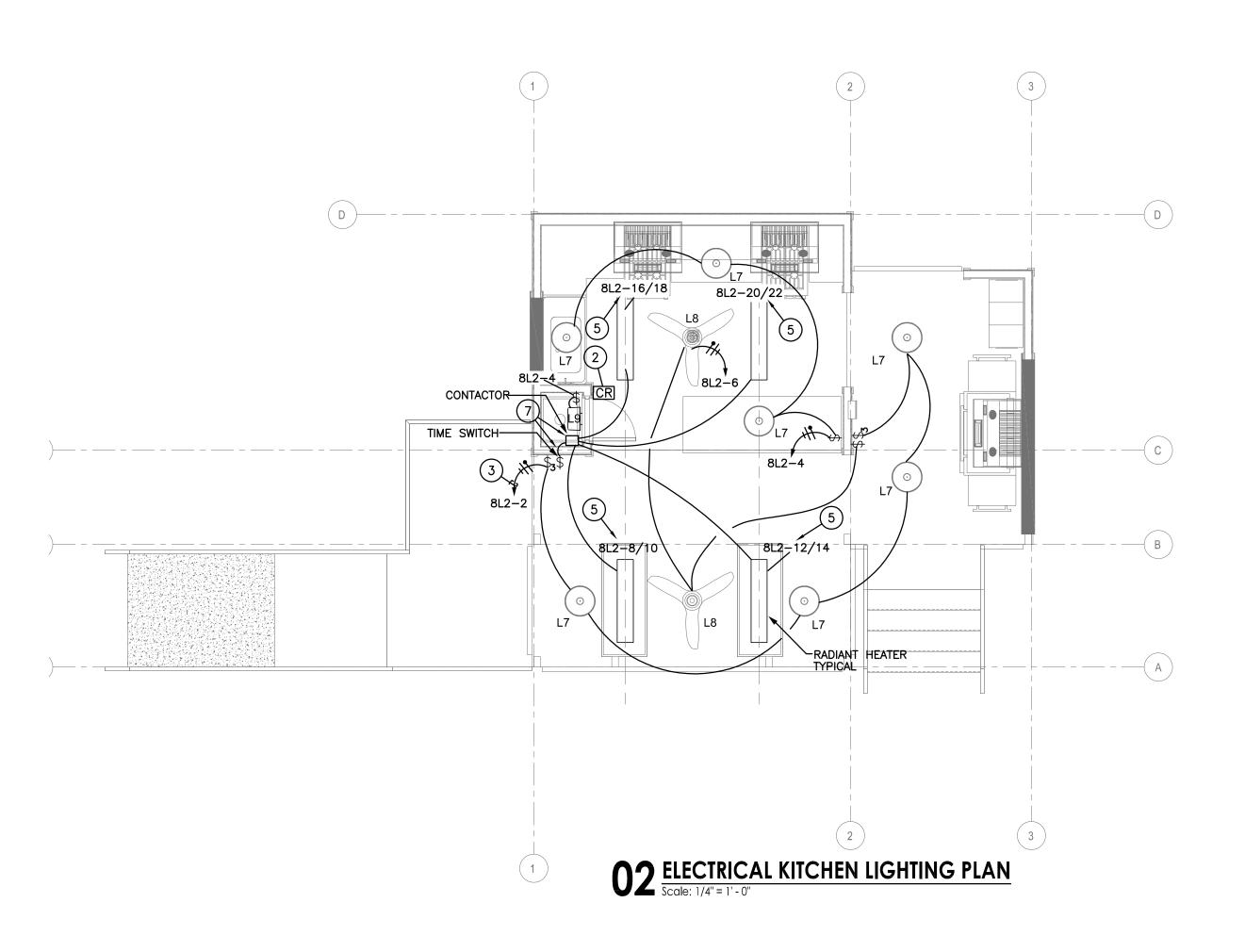


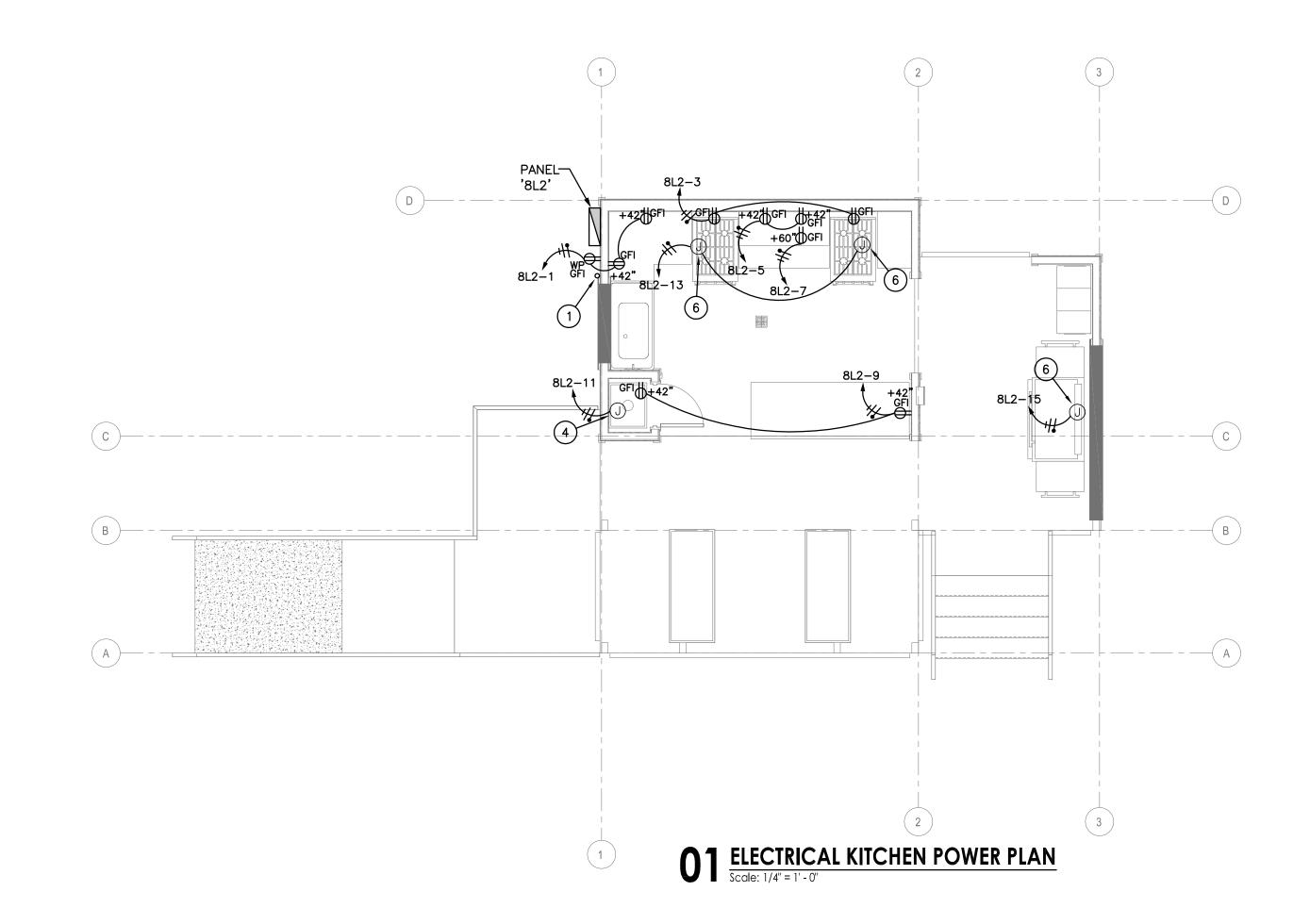
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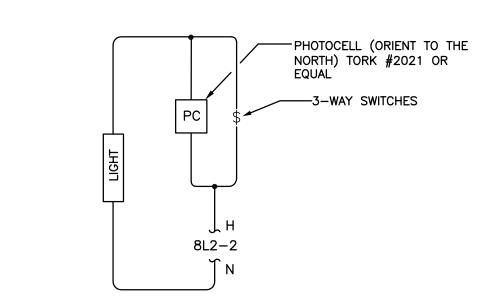
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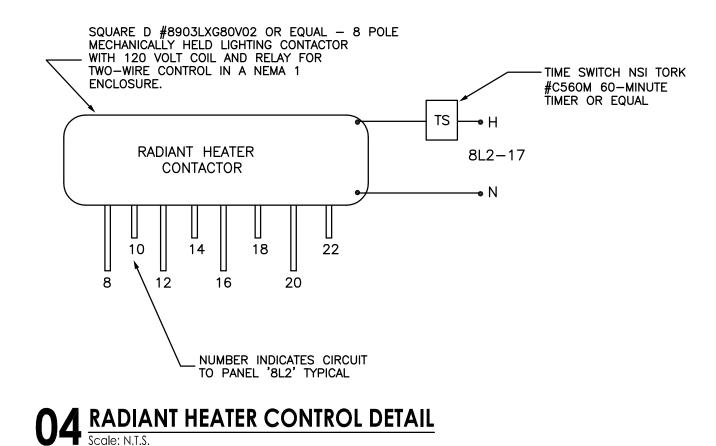
ELECTRICAL SITE PLAN - NEIGHBORHOOD 9







03 LIGHTING CONTROL DETAIL



GENERAL NOTES:

- 1. REFER TO SHEET E000 ELECTRICAL COVER SHEET FOR ADDITIONAL INFORMATION.
- 2. COORDINATE SWITCH AND RECEPTACLE STYLES AND FINISHES WITH THE ARCHITECT PRIOR TO INSTALLATION. ALL DEVICES SHALL BE RATED 20-AMP MINIMUM.
- 3. ELECTRICAL CONTRACTOR SHALL PROVIDE UPDATED "TYPED" PANEL BOARD SCHEDULES FOR ALL PANELS SERVING THE PROJECT AREA.
- 4. REFERENCE ARCHITECTURAL DRAWINGS AND COORDINATE THE EXACT LOCATION AND ORIENTATION FOR ALL NEW RECEPTACLES, LIGHT SWITCHES, AND LIGHT FIXTURES WITH THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- 5. NEW BRANCH CIRCUITRY SHALL BE ACCURATELY IDENTIFIED AT THE RESPECTIVE ABOVE CEILING JUNCTION BOXES. THE ASSOCIATED PANEL, CIRCUITS, AND VOLTAGE SHALL BE IDENTIFIED ON ALL JUNCTION BOX COVERS. IN ADDITION, THE PANEL DIRECTORIES SHALL BE UPDATED.
- 6. ALL CIRCUIT BREAKER NOT UTILIZED SHALL BE TURNED "OFF" AND LABELED "SPARE" ON UPDATED PANEL SCHEDULE.
- 7. ALL MULTIWIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH HANDLE TIES PER NEC 210.4.
- 8. IN ACCORDANCE WITH NEC ARTICLE 210.8(B)(2), ALL SINGLE-PHASE 50-AMPS OR LESS AND THREE-PHASE 100-AMPS OR LESS RECEPTÁCLES RATED 150-VOLTS TO GROUND WITHIN THE KITCHEN AREA SHALL BE GFCI PROTECTED. THIS INCLUDES THE FOLLOWING: (A) ALL 120-VOLT, 20-AMP RECEPTACLES SHALL BE GFCI PROTECTED. FOR RECEPTACLES THAT ARE NOT READILY ACCESSIBLE, PROVIDE GFCI BREAKER.
- (B) FOR ALL 208-VOLT SINGLE-PHASE RECEPTACLES, 50-AMP RATED AND BELOW, PROVIDE GFCI TYPE BREAKER.
- (C) FOR ALL 208-VOLT THREE-PHASE CONNECTIONS, 100-AMPS RATED AND BELOW, PROVIDE GFCI TYPE BREAKER OR ALTERNATE GFCI PROTECTION METHOD (PROVIDE A COMPLETE SUBMITTAL INFORMATION TO VERIFY COMPLIANCE WITH UL 943).
- 9. ALL POWER PACKS/DRIVERS FOR LIGHTING/SENSORS MOUNTED IN GYPSUM BOARD CEILING SHALL BE REMOTE MOUNTED IN EASILY ACCESSIBLE DROP CEILING AREAS. POWER PACKS/BALLAST SHALL BE LABELED.
- 10. REFERENCE LIGHT FIXTURE SCHEDULE AND OCCUPANCY SENSOR SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- 11. IN ALL OPEN CEILING AREAS CONTRACTOR SHALL UTILIZE EMT CONDUIT. COORDINATE OPEN CEILING AREAS AND CONDUIT ROUTING WITH ARCHITECT PRIOR TO INSTALLATION.

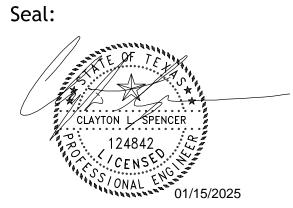
DRAWING KEYED NOTES:

- COMMUNICATION CONDUIT STUB UP LOCATION. COORDINATE ALL COMMUNICATION REQUIREMENTS INCLUDING RECEPTACLE SPECIFICATION, MOUNTING LOCATIONS, GROUNDING, AND CONDUIT REQUIREMENTS WITH OWNER AND CONSULTANT. RE: ELECTRICAL SITE PLAN.
- PROVIDE JUNCTION BOX FOR CONNECTION TO SECURITY CARD READER. PROVIDE JUNCTION BOX W/SINGLE GANG FLUSHING RING AND 3/4" CONDUIT W/PULL STRING ROUTED TO SECURITY EQUIPMENT LOCATION LOCATED WITHIN THE MECHANICAL ROOM. CARD READER TO BE PROVIDED AND INSTALLED BY SECURITY CONTRACTOR. COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS WITH OWNER AND SECURITY CONTRACTOR.
- CIRCUIT INDICATED SHALL BE PROVIDED WITH TORK PHOTOCELL #2021 (LOCATED ON ROOF FACING NORTH). ROUTE CIRCUIT TO 3-WAY SWITCH AND PHOTOCELL FOR LIGHTING CONTROL. LIGHTING CIRCUIT INDICATED SHALL OPERATE SO THAT IF EITHER PHOTOCELL OR 3-WAY SWITCH IS CLOSED LIGHTING WILL BECOME ENERGIZED. EACH CONTROL DEVICE SHALL OPERATE INDEPENDENTLY. REFERENCE LIGHTING CONTROL DETAIL 03/E201 FOR ADDITIONAL INFORMATION.
- 120-VOLT JUNCTION BOX FOR CONNECTION TO WATER HEATER. COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS WITH PLUMBING CONTRACTOR. ELECTRICAL CONTRACTOR TO MAKE FINAL TERMINATIONS AT EQUIPMENT.
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- 120-VOLT JUNCTION BOX FOR CONNECTION TO EXHAUST HOOD AND RELIEF HOOD DAMPER. COORDINATE EXACT LOCATION WITH INSTALLATION CONTRACTOR AND REFERENCE UNIT WIRING DIAGRAMS FOR ADDITIONAL INFORMATION.
- 7 REFERENCE DETAIL 04 THIS SHEET FOR RADIANT HEATER CONTROL SPECIFICATIONS AND WIRING

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PLAN NORTH

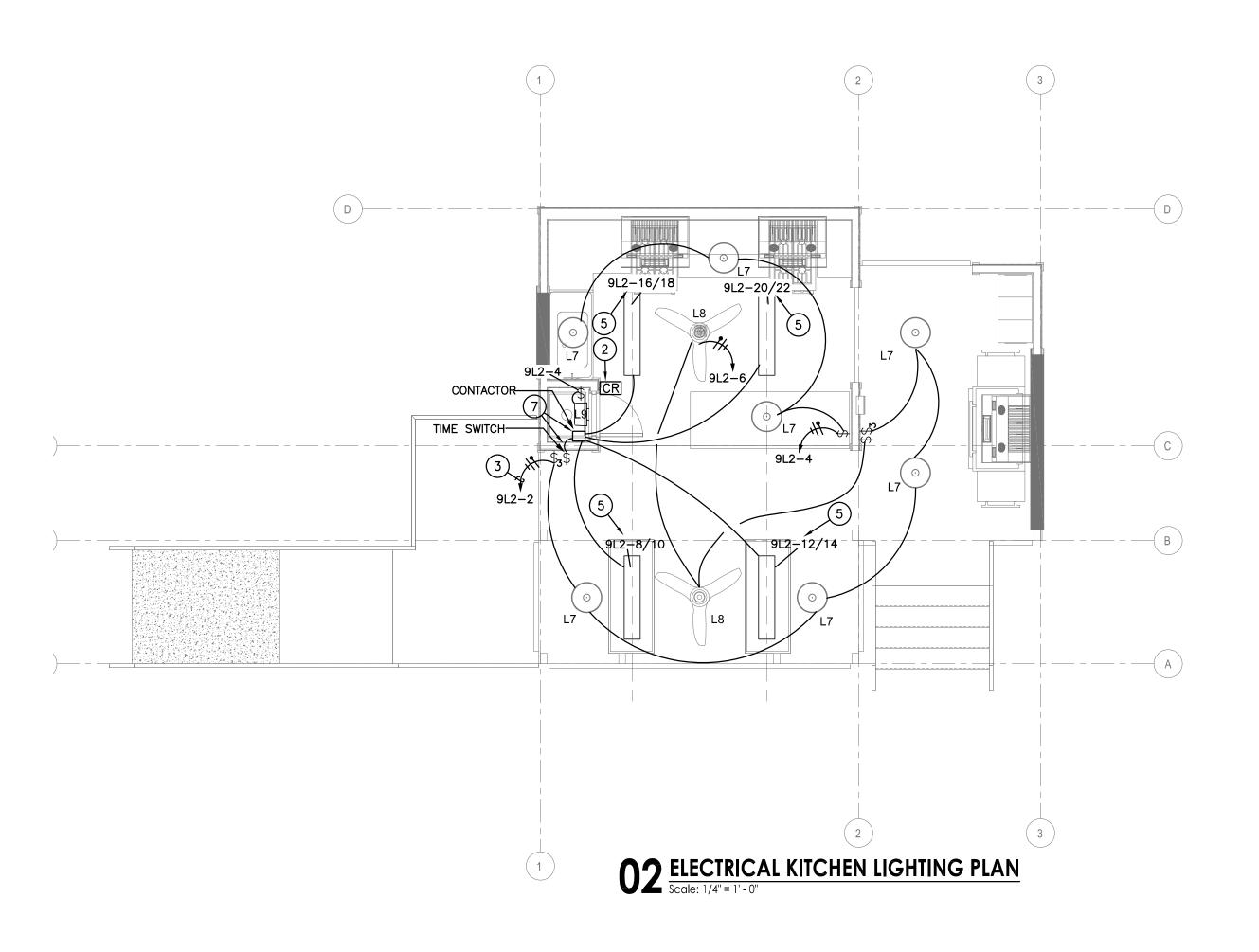


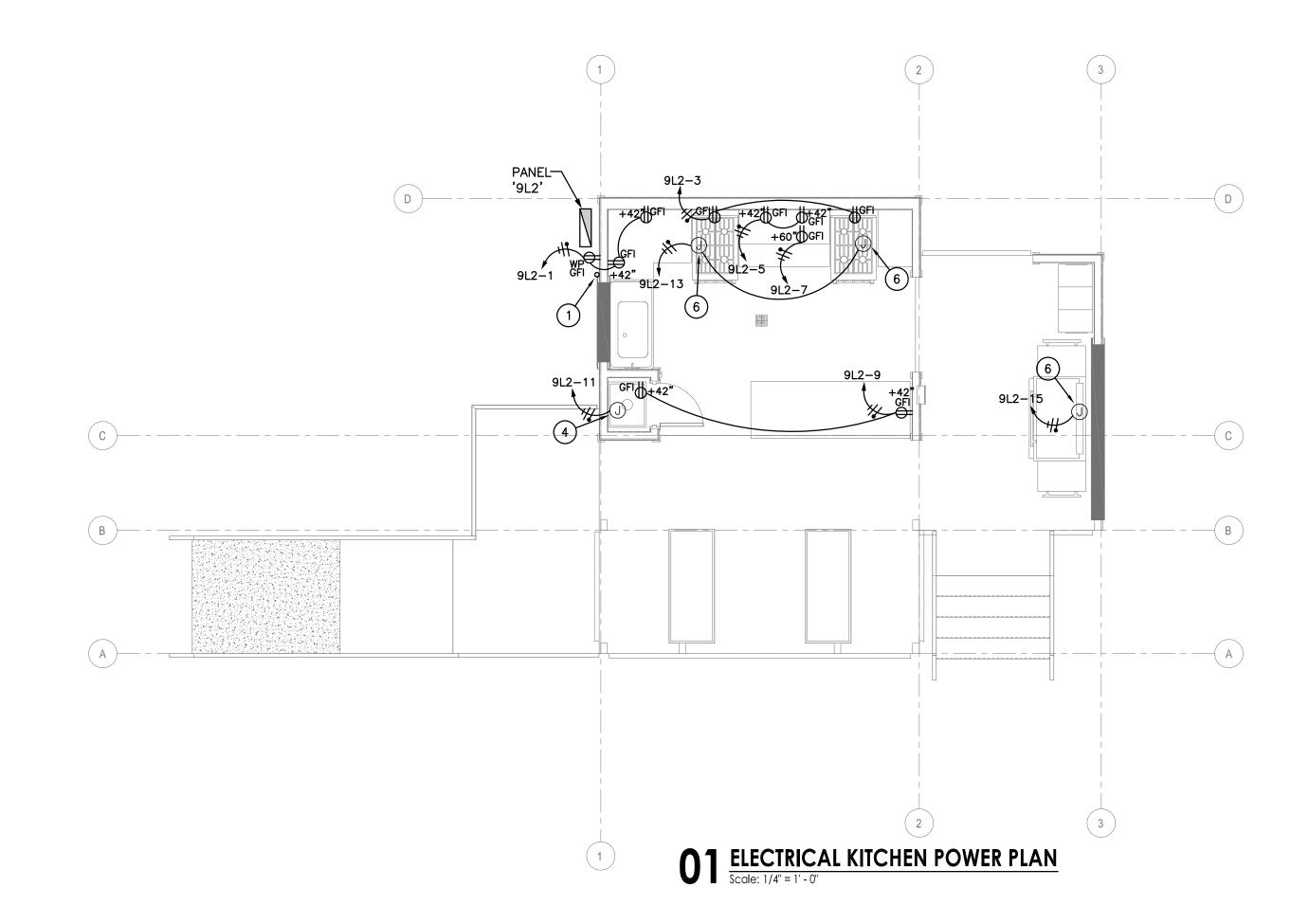
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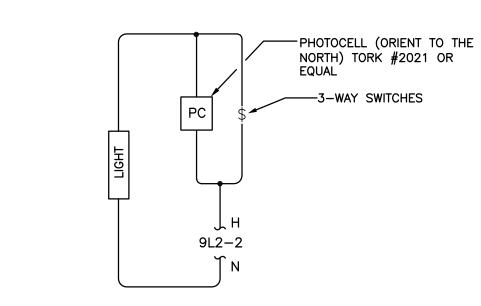
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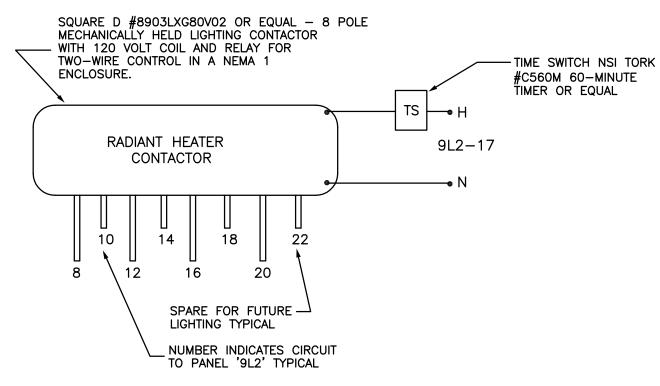
ELECTRICAL KITCHEN LIGHTING AND POWER PLAN-NEIGHBORHOOD 8







03 LIGHTING CONTROL DETAIL Scale: N.T.S.



Q4 RADIANT HEATER CONTROL DETAIL Scale: N.T.S.

GENERAL NOTES:

- 1. REFER TO SHEET E000 ELECTRICAL COVER SHEET FOR ADDITIONAL INFORMATION.
- 2. COORDINATE SWITCH AND RECEPTACLE STYLES AND FINISHES WITH THE ARCHITECT PRIOR TO INSTALLATION. ALL DEVICES SHALL BE RATED 20—AMP MINIMUM.
- 3. ELECTRICAL CONTRACTOR SHALL PROVIDE UPDATED "TYPED" PANEL BOARD SCHEDULES FOR ALL PANELS SERVING THE PROJECT AREA.
- 4. REFERENCE ARCHITECTURAL DRAWINGS AND COORDINATE THE EXACT LOCATION AND ORIENTATION FOR ALL NEW RECEPTACLES, LIGHT SWITCHES, AND LIGHT FIXTURES WITH THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- 5. NEW BRANCH CIRCUITRY SHALL BE ACCURATELY IDENTIFIED AT THE RESPECTIVE ABOVE CEILING JUNCTION BOXES. THE ASSOCIATED PANEL, CIRCUITS, AND VOLTAGE SHALL BE IDENTIFIED ON ALL JUNCTION BOX COVERS. IN ADDITION, THE PANEL DIRECTORIES SHALL BE UPDATED.
- 6. ALL CIRCUIT BREAKER NOT UTILIZED SHALL BE TURNED "OFF" AND LABELED "SPARE" ON UPDATED PANEL SCHEDULE.
- 7. ALL MULTIWIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH HANDLE TIES PER NEC 210.4.
- 8. IN ACCORDANCE WITH NEC ARTICLE 210.8(B)(2), ALL SINGLE-PHASE 50-AMPS OR LESS AND THREE-PHASE 100-AMPS OR LESS RECEPTACLES RATED 150-VOLTS TO GROUND WITHIN THE KITCHEN AREA SHALL BE GFCI PROTECTED. THIS INCLUDES THE FOLLOWING:
- (A) ALL 120-VOLT, 20-AMP RECEPTACLES SHALL BE GFCI PROTECTED. FOR RECEPTACLES THAT ARE NOT READILY ACCESSIBLE, PROVIDE GFCI BREAKER.
 (B) FOR ALL 208-VOLT SINGLE-PHASE RECEPTACLES, 50-AMP RATED AND BELOW, PROVIDE GFCI
- TYPE BREAKER.

 (C) FOR ALL 208-VOLT THREE-PHASE CONNECTIONS, 100-AMPS RATED AND BELOW, PROVIDE GFCI TYPE BREAKER OR ALTERNATE GFCI PROTECTION METHOD (PROVIDE A COMPLETE SUBMITTAL INFORMATION TO VERIFY COMPLIANCE WITH UL 943).
- 9. ALL POWER PACKS/DRIVERS FOR LIGHTING/SENSORS MOUNTED IN GYPSUM BOARD CEILING SHALL BE REMOTE MOUNTED IN EASILY ACCESSIBLE DROP CEILING AREAS. POWER PACKS/BALLAST SHALL BE LABELED.
- 10. REFERENCE LIGHT FIXTURE SCHEDULE AND OCCUPANCY SENSOR SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- 11. IN ALL OPEN CEILING AREAS CONTRACTOR SHALL UTILIZE EMT CONDUIT. COORDINATE OPEN CEILING AREAS AND CONDUIT ROUTING WITH ARCHITECT PRIOR TO INSTALLATION.

DRAWING KEYED NOTES:

- COMMUNICATION CONDUIT STUB UP LOCATION. COORDINATE ALL COMMUNICATION REQUIREMENTS INCLUDING RECEPTACLE SPECIFICATION, MOUNTING LOCATIONS, GROUNDING, AND CONDUIT REQUIREMENTS WITH OWNER AND CONSULTANT. RE: ELECTRICAL SITE PLAN.
- PROVIDE JUNCTION BOX FOR CONNECTION TO SECURITY CARD READER. PROVIDE JUNCTION BOX W/SINGLE GANG FLUSHING RING AND 3/4" CONDUIT W/PULL STRING ROUTED TO SECURITY EQUIPMENT LOCATION LOCATED WITHIN THE MECHANICAL ROOM. CARD READER TO BE PROVIDED AND INSTALLED BY SECURITY CONTRACTOR. COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS WITH OWNER AND SECURITY CONTRACTOR.
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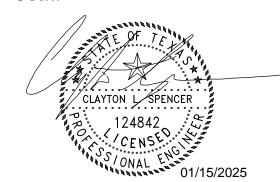
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Issue

01.15.25 ISSUE FOR CONSTRUCTION

Project Number: 24-093a

AND POWER PLAN-NEIGHBORHOOD 9

	OC	CUPANCY SENSOR LEGEND
	DEVICE	NOTES
\$os1	ACUITY #WSX-PDT-SA-*	SINGLE RELAY, LINE VOLTAGE, WALL MOUNTED. FACTORY SET TO "MANUAL ON".
\$*	ACUITY #nPODM	nLIGHT ENABLED, DIGITAL SWITCH WITH "OFF/ON".
OSn cm9	ACUITY #nCM-PDT-9	nLIGHT ENABLED, SINGLE CIRCUIT, CEILING MOUNTED, STANDARD ZONE
IPPAI Inpp I	ACUITY #nPP16	nLIGHT ENABLED, AUTO ON, POWER PACK

NOTE:

-DISABLE PHOTO SENSOR OPTION ON ALL OCCUPANCY SENSORS.
-DISABLE "SELF-ADAPTIVE MODE" ON ALL OCCUPANCY SENSORS
-SET "DELAYED OFF" SETTING TO 20 MINUTES.
-SET WALL MOUNTED OCCUPANCY SENSORS TO "MANUAL ON"

-SET POWER PACKS "PPD" AND "PPM" TO "MANUAL ON"
-FOR ALL nLIGHT ENABLED DEVICES, ROUTE CAT-5E CABLE AS REQUIRED BETWEEN DEVICES. REFERENCE ACUITY SHOP DRAWINGS FOR WIRING REQUIREMENTS.
-FOR MULTI-SWITCH nLIGHT DEVICES ON COMMON ZONE, SWITCH LEG DESIGNATION INDICATES CORRESPONDING CHANNEL FOR POWER PACK. FOR EXAMPLE, SWITCH LEG "a" SHALL BE ASSIGNED TO CHANNEL #1 - SWITCH LEG "b' TO

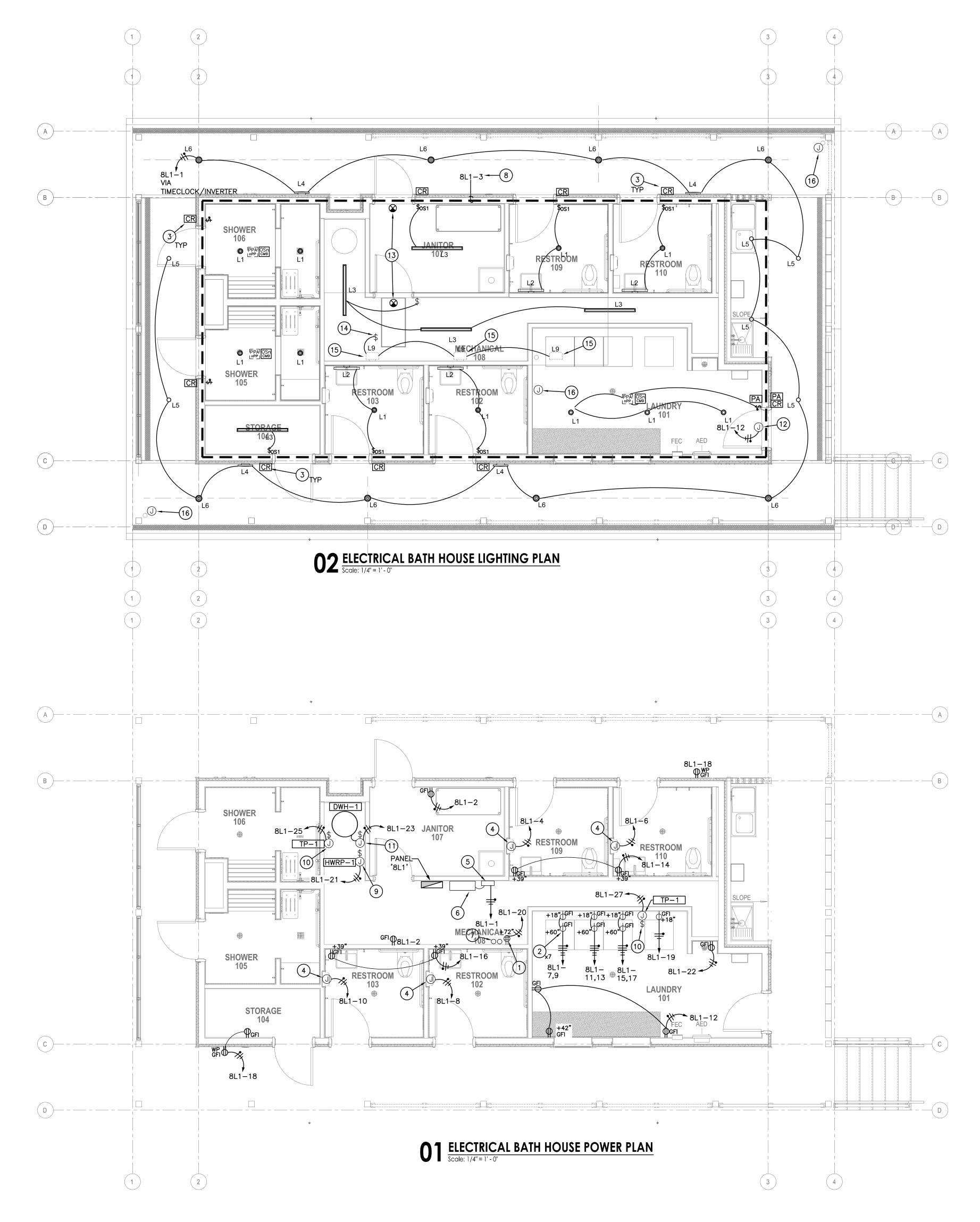
-WHERE MULTIPLE OCCUPANCY SENSORS ARE INDICATED WITH "LIKE" SWITCH LEG, CONNECT ALL OCCUPANCY SENSORS IN PARALLEL SO THAT ANY OF THE OCCUPANCY SENSORS WILL ACTIVATE THE "OCCUPIED" MODE FOR THAT AREA.

GENERAL NOTES:

- 1. REFER TO SHEET E000 ELECTRICAL COVER SHEET FOR ADDITIONAL INFORMATION.
- 2. COORDINATE SWITCH AND RECEPTACLE STYLES AND FINISHES WITH THE ARCHITECT PRIOR TO INSTALLATION. ALL DEVICES SHALL BE RATED 20-AMP MINIMUM.
- ELECTRICAL CONTRACTOR SHALL PROVIDE UPDATED "TYPED" PANEL BOARD SCHEDULES FOR ALL PANELS SERVING THE PROJECT AREA.
- 4. REFERENCE ARCHITECTURAL DRAWINGS AND COORDINATE THE EXACT LOCATION AND ORIENTATION FOR ALL NEW RECEPTACLES, LIGHT SWITCHES, AND LIGHT FIXTURES WITH THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- 5. NEW BRANCH CIRCUITRY SHALL BE ACCURATELY IDENTIFIED AT THE RESPECTIVE ABOVE CEILING JUNCTION BOXES. THE ASSOCIATED PANEL, CIRCUITS, AND VOLTAGE SHALL BE IDENTIFIED ON ALL JUNCTION BOX COVERS. IN ADDITION, THE PANEL DIRECTORIES SHALL BE UPDATED.
- 6. ALL CIRCUIT BREAKER NOT UTILIZED SHALL BE TURNED "OFF" AND LABELED "SPARE" ON UPDATED PANEL SCHEDULE.
- 7. ALL MULTIWIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH HANDLE TIES PER NEC 210.4.
- 8. GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION SHALL BE PROVIDER FOR ALL 125-VOLT, SINGLE PHASE, 15 AND 20 AMPERAGE RECEPTACLES INSTALLED WITHIN 6 FEET OF THE OUTSIDE EDGE OF THE SINK.
- 9. ALL POWER PACKS/DRIVERS FOR LIGHTING/SENSORS MOUNTED IN GYPSUM BOARD CEILING SHALL BE REMOTE MOUNTED IN EASILY ACCESSIBLE DROP CEILING AREAS. POWER PACKS/BALLAST SHALL BE LABELED.
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DRAWING KEYED NOTES:

- COORDINATE ALL COMMUNICATION REQUIREMENTS INCLUDING RECEPTACLE SPECIFICATION AND MOUNTING LOCATIONS, GROUNDING, AND CONDUIT REQUIREMENTS WITH OWNER AND CONSULTANT.
- 2) PROVIDE 120-VOLT, 20-AMP GFCI BREAKER FOR BRANCH CIRCUIT INDICATED.
- PROVIDE JUNCTION BOX FOR CONNECTION TO SECURITY CARD READER. PROVIDE JUNCTION BOX W/SINGLE GANG FLUSHING RING AND 3/4" CONDUIT W/PULL STRING ROUTED TO SECURITY EQUIPMENT LOCATION LOCATED WITHIN THE MECHANICAL ROOM. CARD READER TO BE PROVIDED AND INSTALLED BY SECURITY CONTRACTOR. COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS WITH OWNER AND SECURITY CONTRACTOR.
- JUNCTION BOX OR WHIP FOR CONNECTION TO RECESSED MOUNTED ELECTRIC HAND DRYER. COORDINATE EXACT LOCATION WITH ARCHITECT AND CONNECTION METHOD WITH EQUIPMENT VENDOR. PROVIDE 120-VOLT, 20-AMP GFCI BREAKER FOR BRANCH CIRCUIT INDICATED.
- PROVIDE TIME CLOCK WITH EPC PHOTOCELL (LOCATED ON ROOF FACING NORTH) NSI TORK #DGLC-100A-NC. ROUTE CIRCUIT INDICATED TO TIMECLOCK THEN TO INVERTER FOR CONNECTION TO EXTERIOR CANOPY LIGHTING. FIXTURES SHALL BE CONTROLLED VIA TIMECLOCK/PHOTOCELL INPUT WHEN NORMAL POWER IS PRESENT, IF NORMAL POWER IS LOST, INVERTER WILL OVERRIDE AUTOMATIC CONTROL CAUSING DESIGNATED LIGHT FIXTURES TO REMAIN ENERGIZED VIA INVERTER POWER UNTIL NORMAL SOURCE POWER IS RESTORED. RE: GENERAL NOTE #6.
- PROVIDE MYERS #LV-3-R-1-S-20-2-XX WITH 550VA CAPACITY, 120-VOLT OUTPUT AND TWO(2) OUTPUT BREAKERS. PROVIDE ALL NECESSARY CONDUIT AND WIRING REQUIRED FROM INVERTER TO LIGHT FIXTURES AND LIGHTING CONTROL DEVICES. ONE(1) OUTPUT BREAKER AT THE INVERTER SHALL BE USED FOR CANOPY LIGHTING INDICATED IN KEYED NOTE #5. INVERTER SHALL UTILIZE THE SWITCHED OUTPUT VIA TIMECLOCK CONTROL WHILE NORMAL SOURCE POWER IS PRESENT, IF NORMAL POWER IS LOST, INVERTER WILL OVERRIDE AUTOMATIC CONTROL CAUSING DESIGNATED LIGHT FIXTURES TO REMAIN ENERGIZED VIA INVERTER POWER UNTIL NORMAL SOURCE POWER IS RESTORED. ALL OUTPUT PHASE CONDUCTORS COLOR CODING SHALL MATCH THE INPUT BRANCH CIRCUIT PHASE CONDUCTOR COLOR. PROVIDE BOTH, THE SWITCHED (FROM TIMECLOCK) AND UNSWITCHED CONDUCTORS TO INVERTER FOR LIGHTING CONTROL.
- (7) COMMUNICATION CONDUIT STUB-UP LOCATION. RE: ELECTRICAL SITE PLAN FOR ADDITIONAL REQUIREMENTS.
- (8) ALL LIGHTING WITHIN DASHED AREA SHALL UTILIZE CIRCUIT INDICATED UNLESS NOTED OTHERWISE.
- (9) 120-VOLT JUNCTION BOX WITH 20-AMP, HEAVY DUTY TOGGLE SWITCH FOR CONNECTION TO RECIRCULATION PUMP. COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS WITH PLUMBING CONTRACTOR.
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- (13) EXIT LIGHTS SHALL BE CONNECTED TO THE NON—SWITCHED LIGHTING CIRCUIT INDICATED SERVING AREA. PROVIDE FIXTURE WITH 90—MINUTE BATTERY UNIT FOR EMERGENCY EGRESS LIGHTING.
- SWITCH INDICATED SHALL BE LOCATED IN ATTIC SPACE ACCESSIBLE FROM TOP OF ATTIC STAIR LANDING. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER.
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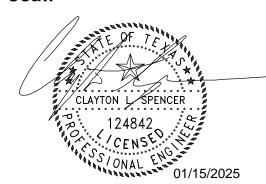
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PLAN NORTH

Issue

01.15.25

CONSTRUCTION

ISSUE FOR

Project Number: 24-093a

LIGHTING AND POWER PLAN - NEIGHBORHOOD 8

	OCCUPANCY SENSOR LEGEND												
	DEVICE	NOTES											
\$os1	ACUITY #WSX-PDT-SA-*	SINGLE RELAY, LINE VOLTAGE, WALL MOUNTED. FACTORY SET TO "MANUAL ON".											
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OSn cm9	ACUITY #nCM-PDT-9	nLIGHT ENABLED, SINGLE CIRCUIT, CEILING MOUNTED, STANDARD ZONE											
[PPA] LnPP]	ACUITY #nPP16	nLIGHT ENABLED, AUTO ON, POWER PACK											

NOTE:

-DISABLE PHOTO SENSOR OPTION ON ALL OCCUPANCY SENSORS. -DISABLE "SELF-ADAPTIVE MODE" ON ALL OCCUPANCY SENSORS

-SET "DELAYED OFF" SETTING TO 20 MINUTES.
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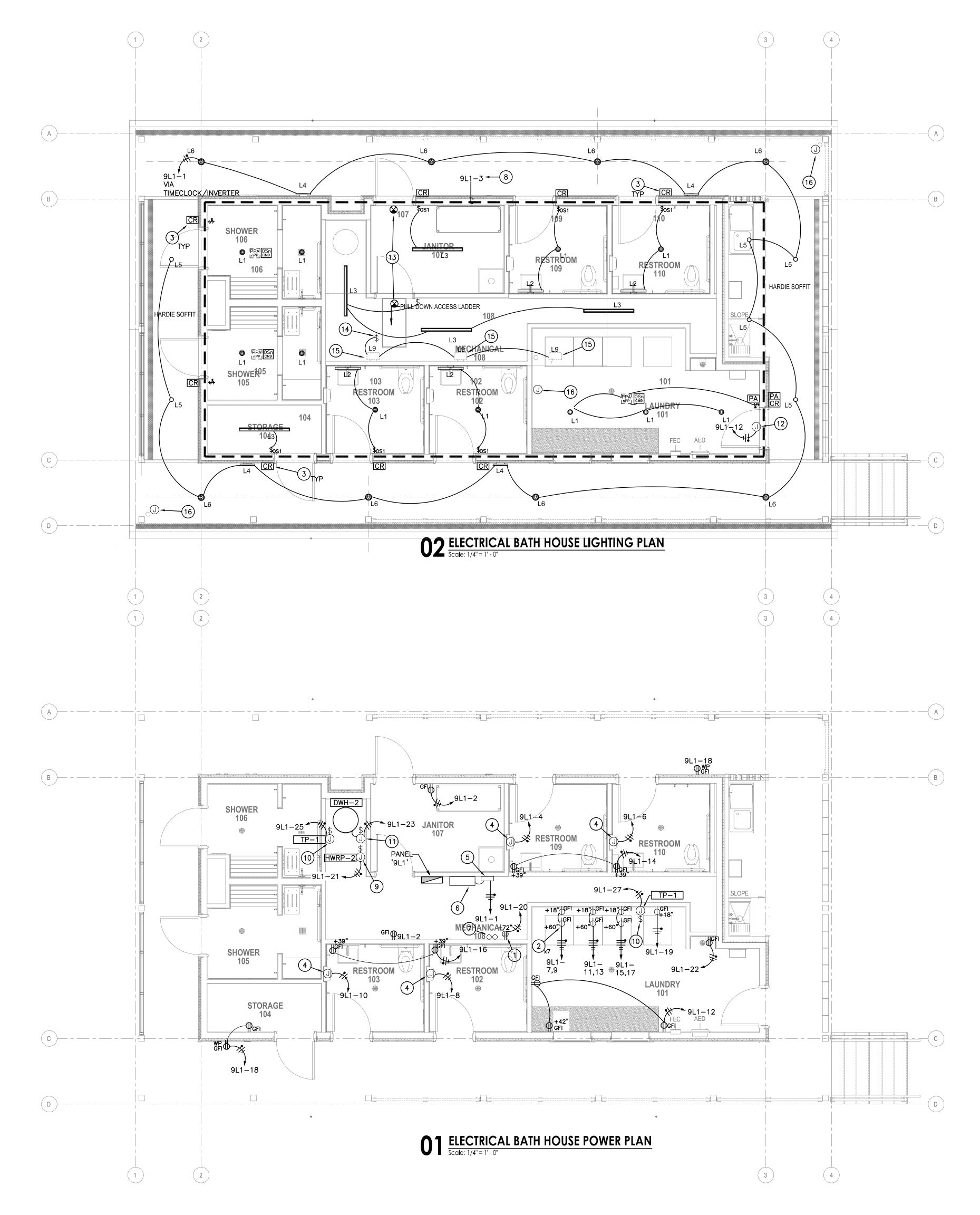
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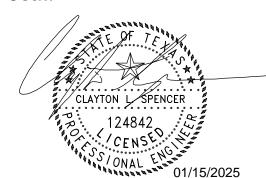
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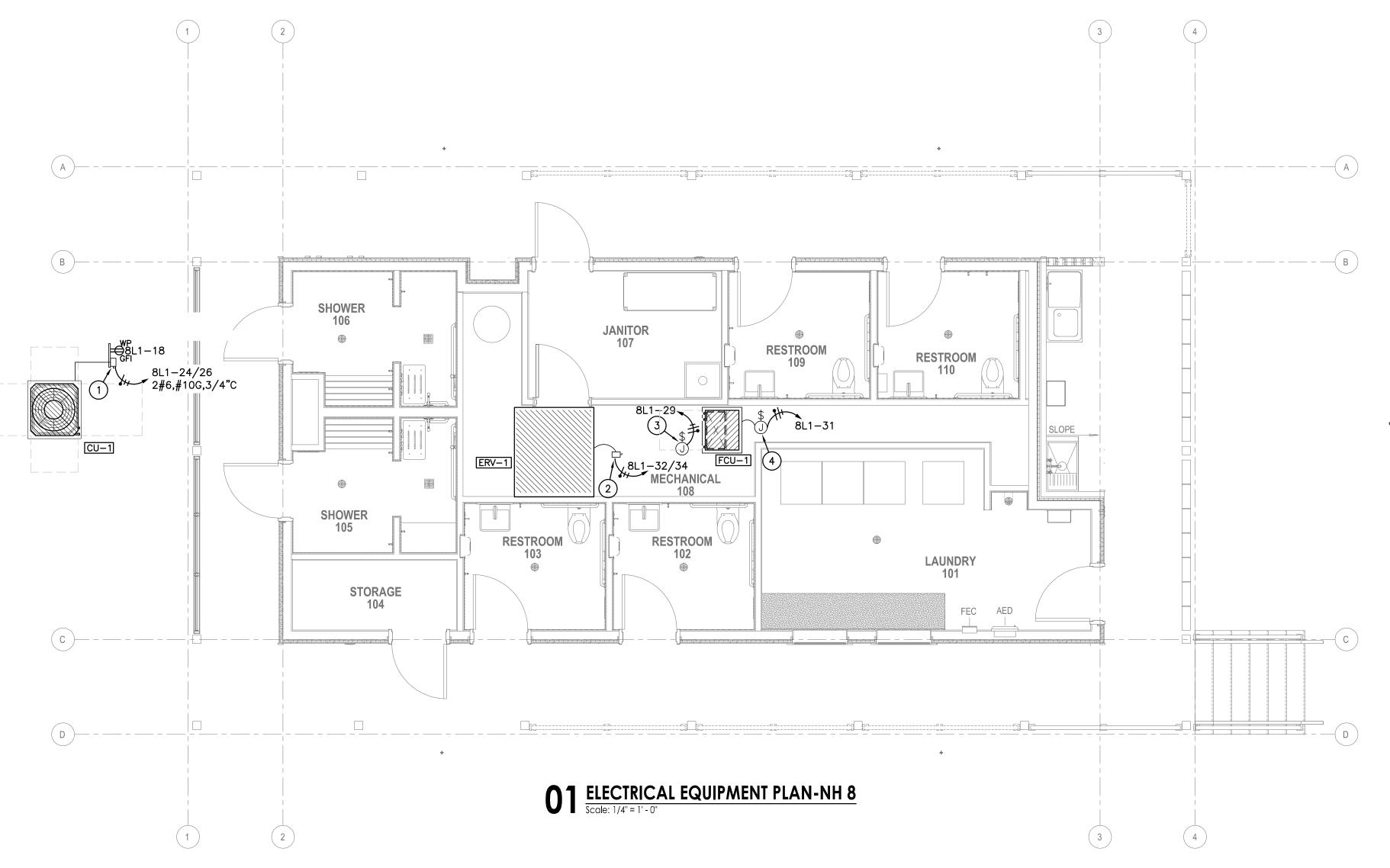
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ELECTRICAL BATH HOUSE
LIGHTING PLAN AND POWER
PLAN- NEIGHBORHOOD 9

- 1. REFER TO ELECTRICAL COVER SHEET E000 FOR ADDITIONAL INFORMATION.
- 2. ELECTRICAL CONTRACTOR SHALL PROVIDE UPDATED "TYPED" PANEL BOARD SCHEDULES FOR ALL PANELS SERVING THE PROJECT AREA.
- 3. REFERENCE ARCHITECTURAL DRAWINGS AND COORDINATE THE EXACT LOCATION AND ORIENTATION FOR ALL NEW RECEPTACLES, LIGHT SWITCHES, AND LIGHT FIXTURES WITH THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- 4. NEW BRANCH CIRCUITRY SHALL BE ACCURATELY IDENTIFIED AT THE RESPECTIVE ABOVE CEILING JUNCTION BOXES. THE ASSOCIATED PANEL, CIRCUITS, AND VOLTAGE SHALL BE IDENTIFIED ON ALL JUNCTION BOX COVERS. IN ADDITION, THE PANEL DIRECTORIES SHALL BE UPDATED.
- 5. ALL CIRCUIT BREAKER NOT UTILIZED SHALL BE TURNED "OFF" AND LABELED "SPARE" ON UPDATED PANEL SCHEDULE.
- 6. ALL MULTIWIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH HANDLE TIES PER NEC 210.4.
- 7. GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION SHALL BE PROVIDER FOR ALL 125-VOLT, SINGLE PHASE, 15 AND 20 AMPERAGE RECEPTACLES INSTALLED WITHIN 6 FEET OF THE OUTSIDE EDGE OF THE SINK.

DRAWING KEYED NOTES:

- 240-VOLT, 60-AMP 2-POLE NON-FUSIBLE DISCONNECT IN NEMA 3R ENCLOSURE FOR CONNECTION TO MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR FOR LOCATION AND REFERENCE UNIT WIRING DIAGRAMS FOR ADDITIONAL INFORMATION. PROVIDE UNISTRUT RACK FOR EXTERIOR DISCONNECTS INDICATED.
- 240-VOLT, 30-AMP 2-POLE NON-FUSIBLE DISCONNECT IN NEMA 1 ENCLOSURE FOR CONNECTION TO MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR FOR LOCATION AND REFERENCE UNIT WIRING DIAGRAMS FOR ADDITIONAL INFORMATION.
- 120-VOLT JUNCTION BOX WITH HEAVY-DUTY TOGGLE SWITCH FOR CONNECTION TO CONDENSATE PUMP. COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS WITH THE MECHANICAL CONTRACTOR AND UNIT WIRING DIAGRAMS. ELECTRICAL CONTRACTOR TO MAKE FINAL TERMINATIONS TO EQUIPMENT.
- 120-VOLT JUNCTION BOX WITH HEAVY-DUTY TOGGLE SWITCH FOR CONNECTION TO FCU. COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS WITH THE MECHANICAL CONTRACTOR AND UNIT WIRING DIAGRAMS. ELECTRICAL CONTRACTOR TO MAKE FINAL TERMINATIONS TO EQUIPMENT.



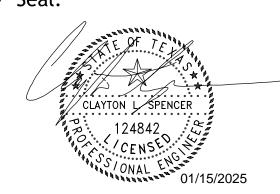
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Issue

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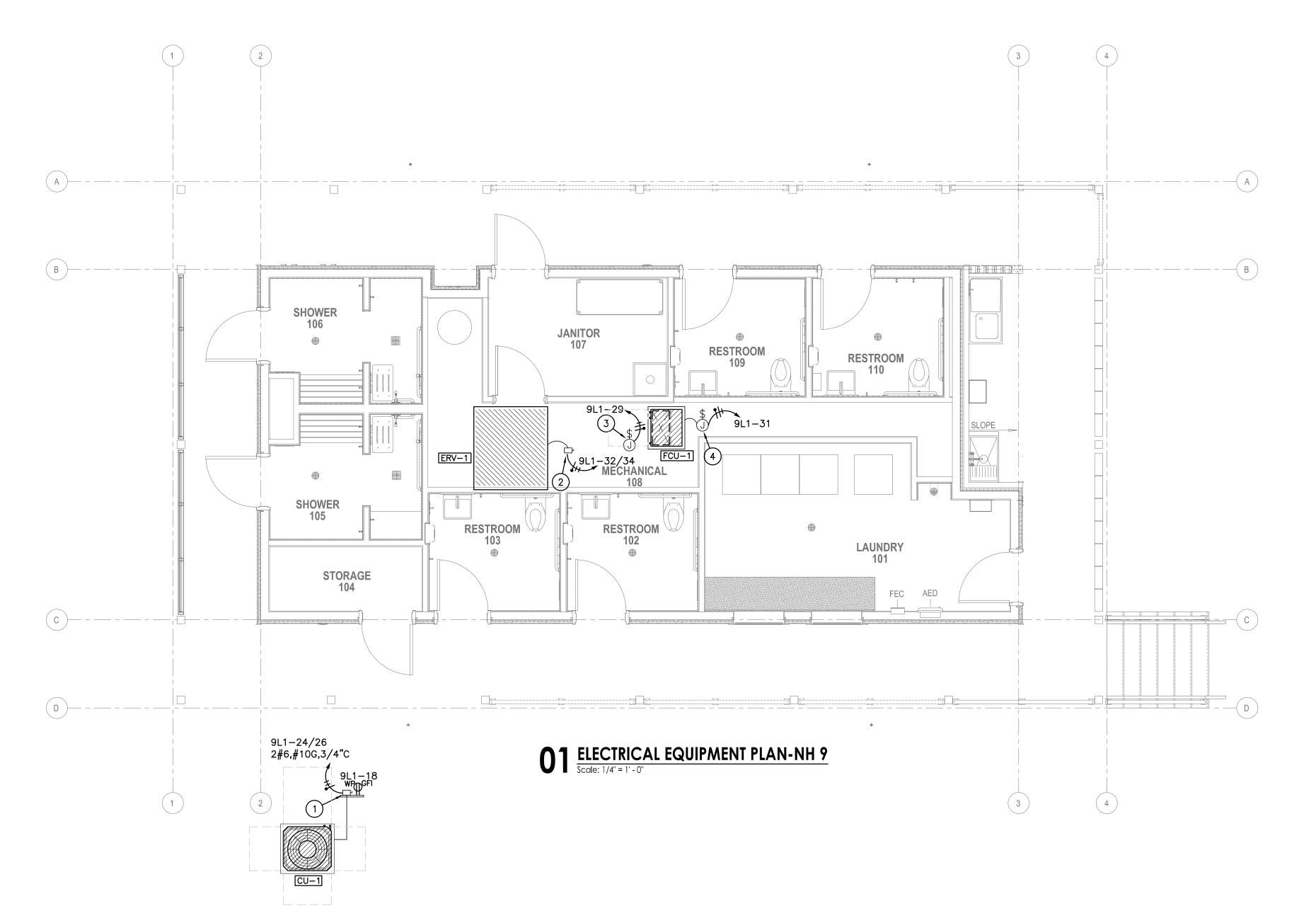
Project Number: 24-093a

ELECTRICAL BATH HOUSE EQUIPMENT PLAN -NEIGHBORHOOD 8

- 1. REFER TO ELECTRICAL COVER SHEET E000 FOR ADDITIONAL INFORMATION.
- 2. ELECTRICAL CONTRACTOR SHALL PROVIDE UPDATED "TYPED" PANEL BOARD SCHEDULES FOR ALL PANELS SERVING THE PROJECT AREA.
- 3. REFERENCE ARCHITECTURAL DRAWINGS AND COORDINATE THE EXACT LOCATION AND ORIENTATION FOR ALL NEW RECEPTACLES, LIGHT SWITCHES, AND LIGHT FIXTURES WITH THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- 4. NEW BRANCH CIRCUITRY SHALL BE ACCURATELY IDENTIFIED AT THE RESPECTIVE ABOVE CEILING JUNCTION BOXES. THE ASSOCIATED PANEL, CIRCUITS, AND VOLTAGE SHALL BE IDENTIFIED ON ALL JUNCTION BOX COVERS. IN ADDITION, THE PANEL DIRECTORIES SHALL BE UPDATED.
- 5. ALL CIRCUIT BREAKER NOT UTILIZED SHALL BE TURNED "OFF" AND LABELED "SPARE" ON UPDATED PANEL SCHEDULE.
- 6. ALL MULTIWIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH HANDLE TIES PER NEC 210.4.
- 7. GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION SHALL BE PROVIDER FOR ALL 125-VOLT, SINGLE PHASE, 15 AND 20 AMPERAGE RECEPTACLES INSTALLED WITHIN 6 FEET OF THE OUTSIDE EDGE OF THE SINK.

DRAWING KEYED NOTES:

- 240-VOLT, 60-AMP 2-POLE NON-FUSIBLE DISCONNECT IN NEMA 3R ENCLOSURE FOR CONNECTION TO MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR FOR LOCATION AND REFERENCE UNIT WIRING DIAGRAMS FOR ADDITIONAL INFORMATION. PROVIDE UNISTRUT RACK FOR EXTERIOR DISCONNECTS INDICATED.
- 240-VOLT, 30-AMP 2-POLE NON-FUSIBLE DISCONNECT IN NEMA 1 ENCLOSURE FOR CONNECTION TO MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR FOR LOCATION AND REFERENCE UNIT WIRING DIAGRAMS FOR ADDITIONAL INFORMATION.
- 120-VOLT JUNCTION BOX WITH HEAVY-DUTY TOGGLE SWITCH FOR CONNECTION TO CONDENSATE PUMP. COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS WITH THE MECHANICAL CONTRACTOR AND UNIT WIRING DIAGRAMS. ELECTRICAL CONTRACTOR TO MAKE FINAL TERMINATIONS TO EQUIPMENT.
- 120-VOLT JUNCTION BOX WITH HEAVY-DUTY TOGGLE SWITCH FOR CONNECTION TO FCU. COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS WITH THE MECHANICAL CONTRACTOR AND UNIT WIRING DIAGRAMS. ELECTRICAL CONTRACTOR TO MAKE FINAL TERMINATIONS TO EQUIPMENT.



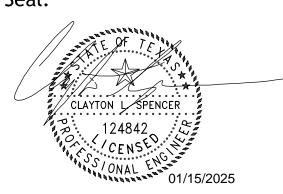
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Issue

01.15.25 **ISSUE FOR** CONSTRUCTION

Project Number: 24-093a

ELECTRICAL BATH HOUSE **EQUIPMENT PLAN -NEIGHBORHOOD 9**

						MAINS:	100 A, N	/ICB			
DANEI.	91.2	/NEV	A/\		V	DLTAGE:	120/240	V, 1 PH, 3	3W		
PANEL:	OLZ	(14 =	74)		В	USSING:	100 A, V	V/ EQUIP	T. GROU	ND	
ENCLOSURE:	SURFACE	NEMA 1			AIC	RATING:	22K RM	S SYM, F	ULLY RA	ATED	
	BKR	PHAS	E LOAD	(VA)	CIRC.	CIRC.	PHA	SE LOAI	D (VA)	BKR	
DESCRIPTION	SIZE	Α	С		NO.	NO.	Α	С		SIZE	DESCRIPTION
GP RECEPTS	20/1	540			1	2	500			20/1	LIGHTING
OVEN RECEPTS	20/1		360		3	4		500		20/1	LIGHTING
COUNTER RECEPTS	20/1	360			5	6	0			20/1	CEILING FANS
MICROWAVE	20/1		1,200		7	8		1,000		20/2	RADIANT HEATERS
GP RECEPTS	20/1	360			9	10	1,000				
WATER HEATER	20/1		200		11	12		1,000		20/2	RADIANT HEATERS
EXHAUST HOOD	20/1	500			13	14	1,000				
EXHAUST HOOD	20/1		200		15	16		1,000		20/2	RADIANT HEATERS
TIMER CONTROL	20/1				17	18	1,000				
SPACE	20/1		0		19	20		1,000		20/2	RADIANT HEATERS
SPACE	20/1	0			21	22	1,000				
SPACE	20/1		0		23	24		0		20/1	SPACE
SPACE	20/1	0			25	26	0			20/1	SPACE
SPACE			0			28		0			SPARE
SPACE	20/1	0			29	30	0				SPARE
S	UBTOTAL	1,960	1,960			_	4,500	4,500		SUBTOTAL	
CONNECTED LC	DAD		PA	NELBOA	ARD LOA	D ANALY	'SIS (VO	LT-AMPS)		
PHASE A (VA):		LOAD	TYPE:		RECPT		•	MOTOR		KITCHEN	
PHASE B (VA):			ECTED:		1,620	0		0		0	
	-,		MAND:	· ·	1 '	0	1 '	0	,	0	
TOTAL LOAD (VA):	12.020	NEC DE	MAND.	12 170	\/^		E4 0	AMPS,	1 DUACE		

LIGHT FIXTURE SCHEDULE													
TYPE	DESCRIPTION	VOLTAGE	WATTS	MOUNTING	LAMPS	REMARKS							
L1	SIGNIFY - LYTEPROFILE #4RN-P4RSL40940WWHZ10UXX	120 V	34.6	RECESSED	LED LAMPS								
L2	BROWNLEE - FLOW RD #5160-24-BN-H16EC2-35K-XX	120 V	16	SURFACE	LED LAMPS								
L3	SIGNIFY - FLUXSTREAM STRIP #FSS470L835-UNV-DIM-XX-FSTH	120 V	54.1	SURFACE	LED LAMPS								
L4	ELITE - OWM-S-203 #OWM-S-203-2-26-32-42-MVOLT-30K-85-BK-PHC	120 V	19 W	SURFACE	LED LAMPS								
L5	SIGNIFY - LYTEPROFILE #4RN-P4RSL20930WWHZ10UXX	120 V	13.6	RECESSED	LED LAMPS								
L6	LIOTN - DL360 #DL360-XX-L15-B45-UE-D10-T30-XX-SDL-JB ACC#LPCMDL6-XX-X	120 V	15W	SUSPENDED	LED LAMPS								
L7	BARNLIGHT - BRIDGEPORT #BLE-S-MI16-150-ST748-NA-150-NA-HSC-TGG-150-RIB-LED16.8-3000K	120 V	16.8 W	SUSPENDED	LED LAMPS								
L8	CEILING FAN #HUNTER CASSIUS-44"-PREMIER BRONZE	120 V		SUSPENDED									
L9	STORAGE/ATTIC LIGHT #LEVITON 49875-PORCELAIN LIGHT OUTLET	120 V	14	SURFACE	LED LAMPS	PROVIDE SYLVANIA LED LAMP S-21734							
EXIT	SIGNIFY - 'EXIT SIGN #CLX-N-XX-XX	120 V		SURFACE	LED LAMPS	PROVIDE DIRECTIONAL ARROWS AND NUMBER OF FACES AS IDNICATED ON FLOOR PLAN							

LIGHT FIXTURE SCHEDULE NOTES:

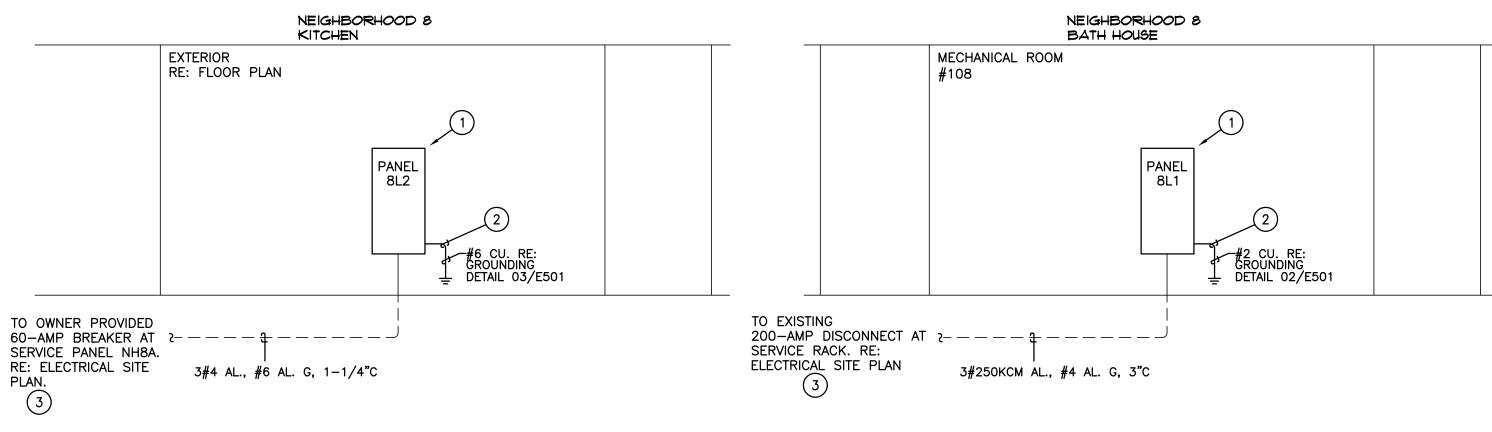
- 1. FOR ALL LIGHT FIXTURES, VERIFY LIGHT FIXTURE SPECIFICATION, STYLE, FINISH AND LAMP TYPE WITH THE ARCHITECT. PROVIDE A COMPLETE SUBMITTAL FOR ALL LIGHT FIXTURES FOR
- 2. CONTRACTOR SHALL VERIFY CEILING TYPES AND COORDINATE ADDITIONAL LIGHT FIXTURE MOUNTING WITH MANUFACTURER PRIOR TO PURCHASE AND INSTALLATION. CONTRACTOR SHALL VERIFY CLEARANCE ABOVE FIXTURE PRIOR TO INSTALLATION.
- 3. VERIFY ALL LAMP KELVIN TEMPERATURE REQUIREMENTS WITH ARCHITECT.

REVIEW BY THE ARCHITECT AND ENGINEER PRIOR TO PURCHASED AND INSTALLATION.

- 4. PROVIDE BLOCKING OR SUPPORTS FROM STRUCTURE AS REQURED FOR ALL SUSPENDED OR PENDANT MOUNTED FIXTURES. COORDINATE INSTALLATION WITH ARCHITECT AND
- FIXTURE MANUFACTURER.
- 5. COORDINATE MOUNTING HEIGHTS OF ALL WALL MOUNTED, PENDANT AND SUSPENDED FIXTURES WITH ARCHITECT.6. VERIFY FINISH OF ALL LIGHT FIXTURES WITH ARCHITECT PRIOR TO PURCHASE.

7. CONTRACTOR TO VERIFY AND ORDER ALL NECESSARY COMPONENTS REQUIRED FOR A COMPLETE INSTALLATION.

MAINS: 200 A MC



1 ELECTRICAL RISER DIAGRAMS

ELECTRICAL RISER DIAGRAM GENERAL NOTES:

- 1. PROVIDE COMPLETE SUBMITTAL INFORMATION FOR ALL NEW EQUIPMENT FOR REVIEW PRIOR TO PURCHASE.
- 2. THE ELECTRICAL CONTRACTOR SHALL VERIFY AND COVER ALL COSTS ASSOCIATED WITH THE ELECTRICAL INSTALLATION AND INSTALLATION OF THE SUB-PANEL.
- 3. ALL GROUNDING SHALL BE IN ACCORDANCE WITH THE LATEST APPLICABLE EDITION OF THE NEC.4. PROVIDE ARC FLASH LABELING PER NEC ARTICLE 110.16(A) WITH VALUES PROVIDED

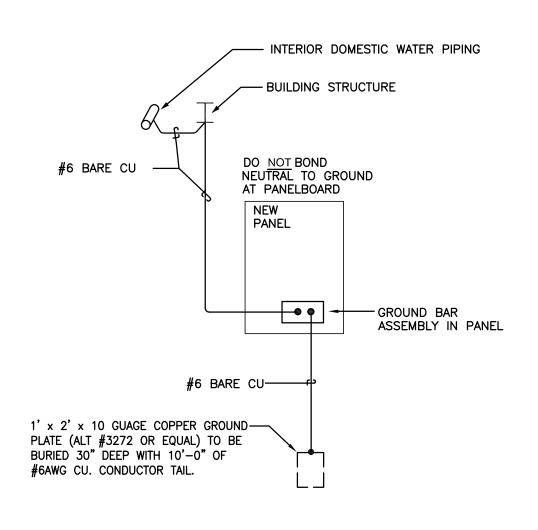
IN THE ARC-FLASH ENERGY STUDY. ALL LABELING SHALL MATCH THE EXISTING

5. INSTALL GROUNDING CONDUCTORS IN EMT CONDUIT, AND BOND CONDUCTOR TO CONDUIT AT BOTH ENDS WITH OZ-GEDNEY #GH-100G CONDUIT GROUNDING HUBS FOR 1"C. AND #GH-075G CONDUIT GROUNDING HUBS FOR 3/4"C. UTILIZE TWO-HOLE COPPER COMPRESSION TERMINATIONS FOR ALL CONDUCTOR TO GROUND BAR TERMINATIONS.

PANEL GENERAL NOTES:

- 1. ALL CIRCUIT BREAKERS TO BE UTILIZED FOR EQUIPMENT WITH HERMETIC SEALED REFRIGERANT MOTOR-COMPRESSORS (HVAC EQUIPMENT AND REFRIGERATORS) SHALL BE HACR TYPE.
- 2. ALL MULTI-WIRE BRANCH CIRQUITS SHALL BE PROVIDED WITH HANDLE TIES PER NEC 210.4(B),

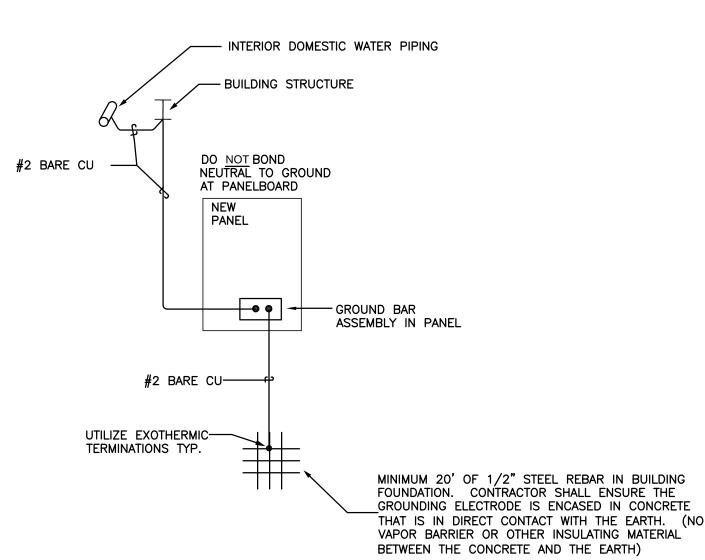
BUILDING STANDARD.



03 KITCHEN ELECTRICAL GROUNDING DETAIL
SCALE: NONE

ELECTRICAL RISER DIAGRAM DRAWING NOTES:

- 1) 240/120-VOLT, 1ø, 3-WIRE, PANEL WITH COPPER BUSSING, BOLT-IN BREAKERS, ENGRAVED NAMEPLATE, AND TYPED DIRECTORY. RE: PANEL SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- PROVIDE NEW GROUNDING CONDUCTOR AND CONDUIT AS INDICATED. INSTALL GROUNDING CONDUCTORS IN EMT CONDUIT, AND BOND CONDUCTOR TO CONDUIT AT BOTH ENDS WITH OZ-GEDNEY #GH-100G CONDUIT GROUNDING HUBS FOR 1"C. AND #GH-075G CONDUIT GROUNDING HUBS FOR 3/4"C. UTILIZE TWO-HOLE COPPER COMPRESSION TERMINATIONS FOR ALL CONDUCTOR TO GROUND BAR TERMINATIONS.
- 3 COORDINATE SERVICE LOCATION WITH OVERALL SITE ELECTRICAL PLANS AND OWNER PRIOR TO INSTALLATION.



O2 BATH HOUSE ELECTRICAL GROUNDING DETAIL SCALE: NONE

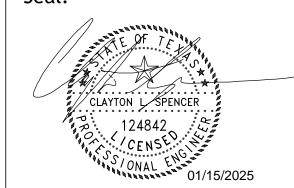
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PLAN NORTH

Issue

01.15.25

ISSUE FOR CONSTRUCTION

Project Number: 24-093a

ELECTRICAL RISER
DIAGRAMS AND
SCHEDULES NEIGHBORHOOD 8

NEIGHBORHOOD 9 - BATH

DRYER 20/1 800	HOUSE											
Bussing: 225 A, W/ EQUIPT. GROUND							MAINS	200 A, N	ICB			
ENCLOSURE: SURFACE/NEMA 1	DANEL.	01.4				V	OLTAGE:	120/240	V, 1 PH,	3W		
ENCLOSURE: SURFACE/NEMA 1	PANEL:	9L I	(14 =	. • • • • • • • • • • • • • • • • • • •		В	USSING:	225 A. V	V/ EQUIP	T. GROU	JND	
DESCRIPTION SIZE A C	ENCLOSURE:	SURFACE	=/NEMA 1	1				•				
DESCRIPTION SIZE A C	ENGESSINE:				· (\/A)							
EXTERIOR/EM LTG	DESCRIPTION	l .										DESCRIPTION
INTERIOR LIGHTING 20/1	EXTERIOR/EM LTG	20/1	0				2	540				GP RECEPTS
SPARE 20/1 0	INTERIOR LIGHTING	20/1					4					HAND DRYER RR 109
DRYER 20/1 800	SPARE						6					HAND DRYER RR 110
WASHER 20/1	WASHER	20/1		1,200		7	8		1,400		20/1	HAND DRYER RR 102
DRYER 20/1 800	DRYER	20/1	800			9	10	1,400			20/1	HAND DRYER RR 103
WASHER 20/1	WASHER	20/1		1,200		11	12		360		20/1	LAUNDRY GP RECEPTS
DRYER 20/1 800	DRYER	20/1	800			13	14	360			20/1	RR 109/110 GP RECEPTS
DRYER 20/1				1,200			16		360		•	RR 102/103 GP RECEPTS
HW RECIRC PUMP 20/1 500 21 22 500	DRYER						18	360			•	STORAGE/EXTERIOR REC
DWH-2 20/1		20/1									•	
TRAP PRIMER 20/1 500		l .					22	500				JUG FILLER
TRAP PRIMER							24				•	CU-1
CONDENSATE PUMP 20/1 200												
FCU-1							28				•	ERV-1
SPACE												
SPACE -		15/1										
SPACE - 0		l										
SPACE -		-										
SPACE - 0											-	
SUBTOTAL 3,600 5,900												
CONNECTED LOAD PANELBOARD LOAD ANALYSIS (VOLT-AMPS) PHASE A (VA): 13,068 PHASE B (VA): 14,828 CONNECTED: 0 1,980 9,816 5,600 500 10,000 0 DEMAND: 0 1,980 12,039 0 500 10,000 0							42					
PHASE A (VA): 13,068 PHASE B (VA): 14,828 CONNECTED: 0 1,980 9,816 5,600 500 10,000 0 DEMAND: 0 1,980 12,039 0 500 10,000 0	S	UBTOTAL	3,600	5,900				9,468	8,928		SUBTOTA	L
PHASE A (VA): 13,068 PHASE B (VA): 14,828 CONNECTED: 0 1,980 9,816 5,600 500 10,000 0 DEMAND: 0 1,980 12,039 0 500 10,000 0	OON NEOTER LO				NEL DO	100	D 41411	(010, 4 (01	T 4 1 4 D C			1
PHASE B (VA): 14,828			100								LATOUEN	
DEMAND: 0 1,980 12,039 0 500 10,000 0	` '											
	PHASE B (VA):	14,828					1 '					
TOTAL LOAD (VA): 27,896 NEC DEMAND: 24,519 VA 102.2 AMPS, 1 PHASE			ں ا	EIVIAND:	Įυ	1,980	12,039	ļυ	1500	110,000	Įυ	
10 1/1 LOND (47). 21,000 14LO DEMINAD. 27,010 4/1 102.2 AMI 0, 11 11AOL	TOTAL LOAD (VA):	27 896	NECD	EMAND.	24 510	VΑ		102.2	AMPS	1 PHASE		
	TO TAL LOAD (VA).	21,000	LINECD	LIVIATIVD.	۷٦,٥١٥	v /\		102.2	ANVIE O,	IIIAOE	•	1

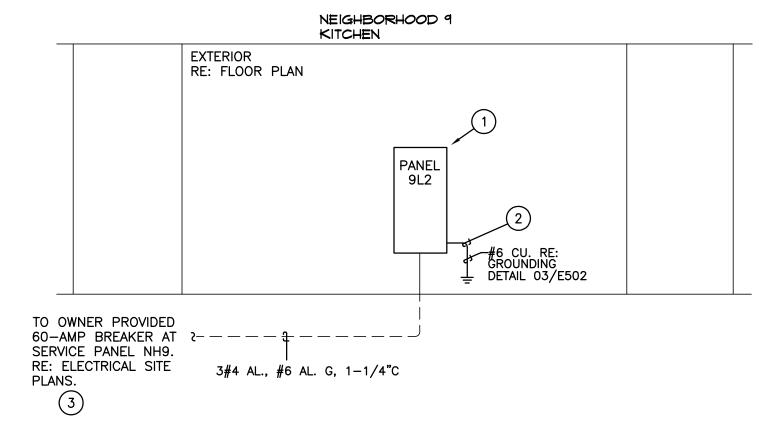
NEIGHBORHOOD 9 - KITCHEN

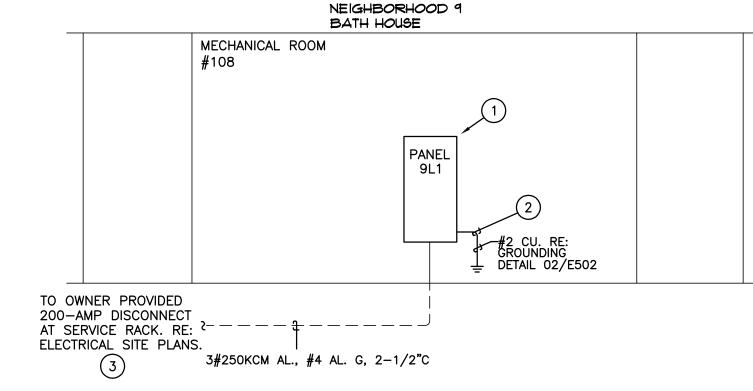
						MAINS:	100 A, N	/ICB			
DANEI.	01.2		!\ A/\		V	OLTAGE:	120/240	V, 1 PH, 3W			
PANEL:	9LZ	(14 =	vvj		В	USSING:	100 A, V	V/ EQUIPT. GROU	ND		
ENCLOSURE:	SURFACE	E/NEMA 1	1					S SYM, FULLY RA			
	BKR		SE LOAD	(VA)	CIRC.	CIRC.		SE LOAD (VA)	BKR		7
DESCRIPTION	SIZE	Α			NO.	NO.	Α			DESCRIPTION	
GP RECEPTS	20/1	540			1	2	500			LIGHTING	
OVEN RECEPTS	20/1				3	4		500	20/1	LIGHTING	7
COUNTER RECEPTS	20/1	360			5	6	0		20/1	CEILING FANS	
MICROWAVE	20/1		1,200		7	8		1,000	20/2	RADIANT HEATERS	
GP RECEPTS	20/1	360			9	10	1,000				
WATER HEATER	20/1		200		11	12		1,000	20/2	RADIANT HEATERS	PANEL GENERAL NOTES:
EXHAUST HOOD	20/1				13	14	1,000				
EXHAUST HOOD	20/1				15	16				RADIANT HEATERS	1. ALL CIRCUIT BREAKERS TO BE
TIMER CONTROL	20/1				17	18	1,000				MOTOR-COMPRESSORS (HVAC
SPACE					19	20		1,000		RADIANT HEATERS	2. ALL MULTI-WIRE BRANCH CIRG
SPACE	20/1				21	22	1,000				
SPACE					23	24		0		SPACE	
SPACE	20/1				25	26	0		20/1	SPACE	
SPACE	20/1				27	28		0		SPARE	
SPACE	20/1				29	30	0			SPARE	
9	SUBTOTAL	1,960	1,960				4,500	4,500	SUBTOTAL		
CONNECTED LO	DAD		PA	NELBOA	RD LOA	D ANALY	'SIS (VO	LT-AMPS)			
PHASE A (VA):	6,460	LOA	D TYPE:	LIGHT	RECPT	COOLING	HEAT	MOTOR MISC	KITCHEN		
PHASE B (VA):		CON	NECTED:	1,000	1,620	0	8,000	0 2,300	0		
		D	EMAND:	1,250	1,620	0	8,000	0 2,300	0		
TOTAL LOAD (VA):	12 920	NECD	EMAND.	13,170	\/Δ		54.9	AMPS, 1 PHASE			

	LIGHT FIXTURE SCHEDULE DESCRIPTION VOLTAGE WATES MOUNTING LAMPS DEMARKS													
TYPE	DESCRIPTION	VOLTAGE	WATTS	MOUNTING	LAMPS	REMARKS								
L1	SIGNIFY - LYTEPROFILE #4RN-P4RSL40940WWHZ10UXX	120 V	34.6	RECESSED	LED LAMPS									
L2	BROWNLEE - FLOW RD #5160-24-BN-H16EC2-35K-XX	120 V	16	SURFACE	LED LAMPS									
L3	SIGNIFY - FLUXSTREAM STRIP #FSS470L835-UNV-DIM-XX-FSTH	120 V	54.1	SURFACE	LED LAMPS									
L4	ELITE - OWM-S-203 #OWM-S-203-2-26-32-42-MVOLT-30K-85-BK-PHC	120 V	19 W	SURFACE	LED LAMPS									
L5	SIGNIFY - LYTEPROFILE #4RN-P4RSL20930WWHZ10UXX	120 V	13.6	RECESSED	LED LAMPS									
L6	LIOTN - DL360 #DL360-XX-L15-B45-UE-D10-T30-XX-SDL-JB ACC#LPCMDL6-XX-X	120 V	15W	SUSPENDED	LED LAMPS									
L7	BARNLIGHT - BRIDGEPORT #BLE-S-MI16-150-ST748-NA-150-NA-HSC-TGG-150-RIB-LED16.8-3000K	120 V	16.8 W	SUSPENDED	LED LAMPS									
L8	CEILING FAN #HUNTER CASSIUS-44"-PREMIER BRONZE	120 V		SUSPENDED										
L9	STORAGE/ATTIC LIGHT #LEVITON 49875-PORCELAIN LIGHT OUTLET	120 V	14	SURFACE	LED LAMPS	PROVIDE SYLVANIA LED LAMP S-21734								
EXIT	SIGNIFY - 'EXIT SIGN #CLX-N-XX-XX	120 V		SURFACE	LED LAMPS	PROVIDE DIRECTIONAL ARROWS AND NUMBER OF FACES AS IDNICATED ON FLOOR PLAN								

LIGHT FIXTURE SCHEDULE NOTES:

- 1. FOR ALL LIGHT FIXTURES, VERIFY LIGHT FIXTURE SPECIFICATION, STYLE, FINISH AND LAMP TYPE WITH THE ARCHITECT. PROVIDE A COMPLETE SUBMITTAL FOR ALL LIGHT FIXTURES FOR REVIEW BY THE ARCHITECT AND ENGINEER PRIOR TO PURCHASED AND INSTALLATION.
- 2. CONTRACTOR SHALL VERIFY CEILING TYPES AND COORDINATE ADDITIONAL LIGHT FIXTURE MOUNTING WITH MANUFACTURER PRIOR TO PURCHASE AND INSTALLATION. CONTRACTOR SHALL VERIFY CLEARANCE ABOVE FIXTURE PRIOR TO INSTALLATION.
- 3. VERIFY ALL LAMP KELVIN TEMPERATURE REQUIREMENTS WITH ARCHITECT.
- 4. PROVIDE BLOCKING OR SUPPORTS FROM STRUCTURE AS REQURED FOR ALL SUSPENDED OR PENDANT MOUNTED FIXTURES. COORDINATE INSTALLATION WITH ARCHITECT AND FIXTURE MANUFACTURER.
- 5. COORDINATE MOUNTING HEIGHTS OF ALL WALL MOUNTED, PENDANT AND SUSPENDED FIXTURES WITH ARCHITECT.
- 6. VERIFY FINISH OF ALL LIGHT FIXTURES WITH ARCHITECT PRIOR TO PURCHASE.
- 7. CONTRACTOR TO VERIFY AND ORDER ALL NECESSARY COMPONENTS REQUIRED FOR A COMPLETE INSTALLATION.



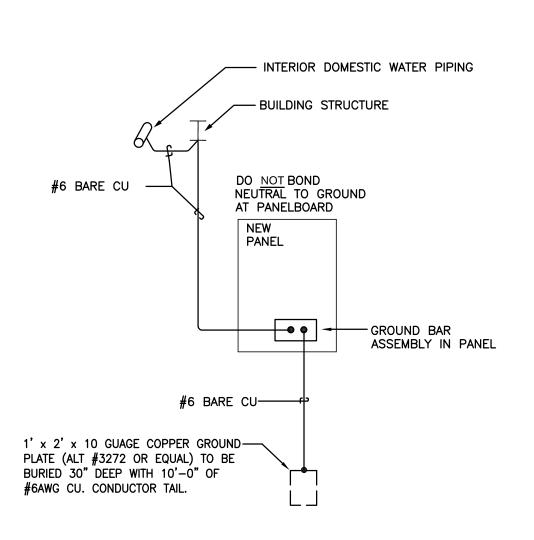


1 ELECTRICAL RISER DIAGRAMS SCALE: NONE

ELECTRICAL RISER DIAGRAM GENERAL NOTES:

- 1. PROVIDE COMPLETE SUBMITTAL INFORMATION FOR ALL NEW EQUIPMENT FOR REVIEW PRIOR TO PURCHASE.
- 2. THE ELECTRICAL CONTRACTOR SHALL VERIFY AND COVER ALL COSTS ASSOCIATED WITH THE ELECTRICAL INSTALLATION AND INSTALLATION OF THE SUB-PANEL.
- 3. ALL GROUNDING SHALL BE IN ACCORDANCE WITH THE LATEST APPLICABLE EDITION OF THE NEC.
- 4. PROVIDE ARC FLASH LABELING PER NEC ARTICLE 110.16(A) WITH VALUES PROVIDED IN THE ARC-FLASH ENERGY STUDY. ALL LABELING SHALL MATCH THE EXISTING BUILDING STANDARD.
- 5. INSTALL GROUNDING CONDUCTORS IN EMT CONDUIT, AND BOND CONDUCTOR TO CONDUIT AT BOTH ENDS WITH OZ-GEDNEY #GH-100G CONDUIT GROUNDING HUBS FOR 1"C. AND #GH-075G CONDUIT GROUNDING HUBS FOR 3/4"C. UTILIZE TWO-HOLE COPPER COMPRESSION TERMINATIONS FOR ALL CONDUCTOR TO GROUND BAR TERMINATIONS.

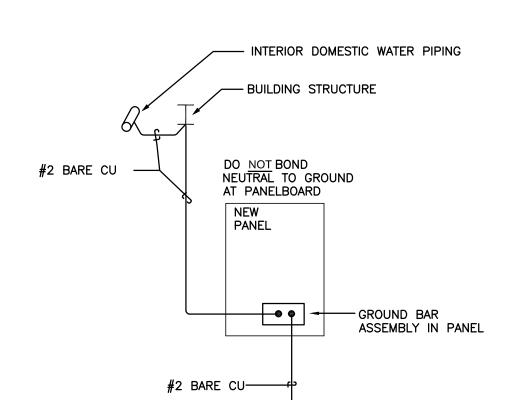
- 1. ALL CIRCUIT BREAKERS TO BE UTILIZED FOR EQUIPMENT WITH HERMETIC SEALED REFRIGERANT MOTOR-COMPRESSORS (HVAC EQUIPMENT AND REFRIGERATORS) SHALL BE HACR TYPE.
- 2. ALL MULTI-WIRE BRANCH CIRQUITS SHALL BE PROVIDED WITH HANDLE TIES PER NEC 210.4(B),

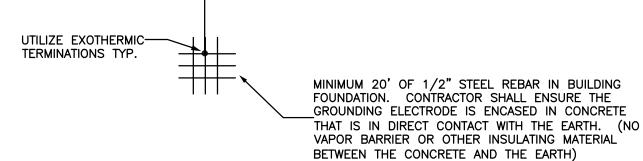


O3 KITCHEN ELECTRICAL GROUNDING DETAIL
SCALE: NONE

ELECTRICAL RISER DIAGRAM DRAWING NOTES:

- 1 240/120-VOLT, 1ø, 3-WIRE, PANEL WITH COPPER BUSSING, BOLT-IN BREAKERS, ENGRAVED NAMEPLATE, AND TYPED DIRECTORY. RE: PANEL SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- 2) PROVIDE NEW GROUNDING CONDUCTOR AND CONDUIT AS INDICATED. INSTALL GROUNDING CONDUCTORS IN EMT CONDUIT, AND BOND CONDUCTOR TO CONDUIT AT BOTH ENDS WITH OZ-GEDNEY #GH-100G CONDUIT GROUNDING HUBS FOR 1"C. AND #GH-075G CONDUIT GROUNDING HUBS FOR 3/4"C. UTILIZE TWO-HOLE COPPER COMPRESSION TERMINATIONS FOR ALL CONDUCTOR TO GROUND BAR TERMINATIONS.
- 3 COORDINATE SERVICE LOCATION WITH OVERALL SITE ELECTRICAL PLANS AND OWNER PRIOR TO INSTALLATION.





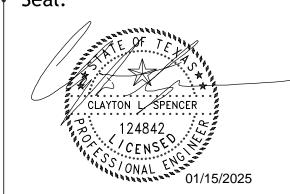
D2 BATH HOUSE ELECTRICAL GROUNDING DETAIL SCALE: NONE

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PLAN NORTH

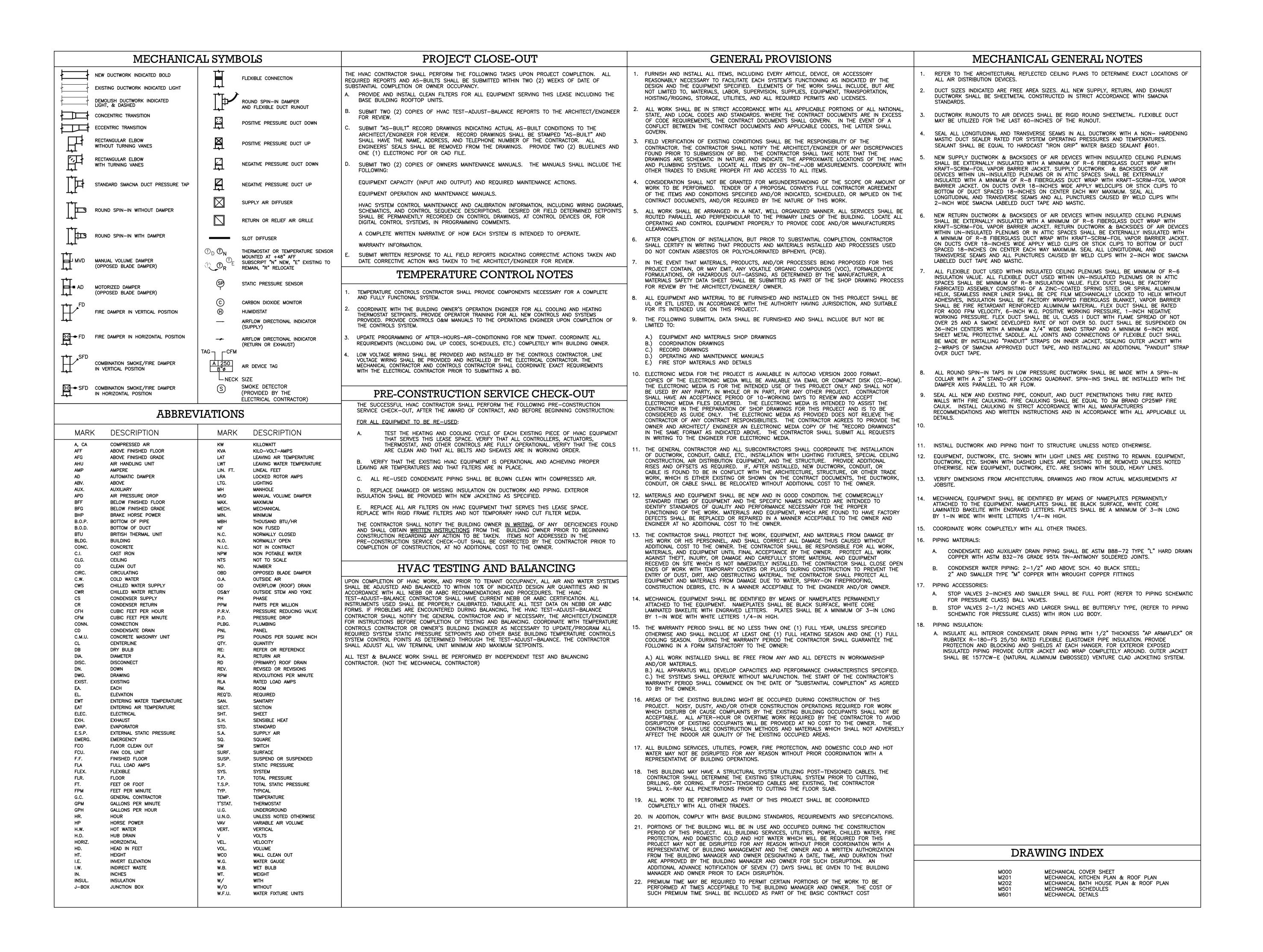
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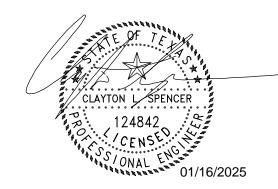
ELECTRICAL RISER DIAGRAMS AND **SCHEDULES** -NEIGHBORHOOD 9



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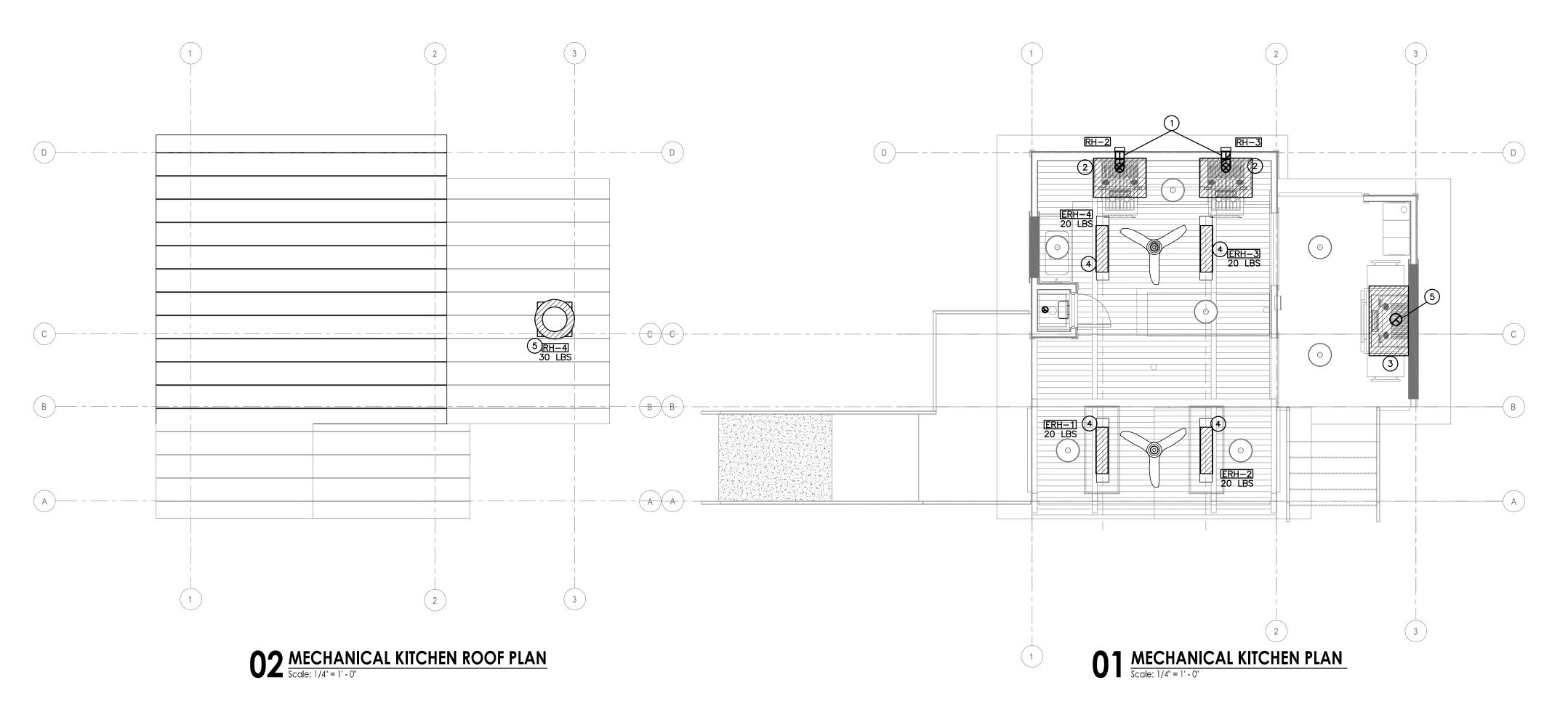
CONSTRUCTION

ISSUE FOR

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MECHANICAL COVER SHEET

M000



- REFER TO COVER SHEET FOR ADDITIONAL NOTES, SYMBOLS, AND ABBREVIATIONS.
 REFER TO MECHANICAL SCHEDULES, RISERS, AND DETAILS FOR ADDITIONAL INFORMATION.
- 3. MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES FOR ALL MECHANICAL EQUIPMENT.
- 4. COORDINATE ALL MECHANICAL WORK COMPLETELY WITH ALL OTHER TRADES, PRIOR TO PURCHASING, MANUFACTURING, AND INSTALLING DUCTWORK, PIPING, EQUIPMENT, ETC. THESE DRAWINGS ARE SCHEMATIC IN NATURE, PROVIDE ADDITIONAL DUCTWORK, PIPING, OFFSETS, AND FITTINGS AS REQUIRED.
- 5. MAINTAIN CODE REQUIRED AND MANUFACTURER'S RECOMMENDED CLEARANCES FOR ALL EXISTING AND NEW EQUIPMENT.
- 6. VERIFY EXACT REQUIREMENTS AND OPERATION OF EXISTING BUILDING CONTROL SYSTEM WITH BUILDING OWNER PRIOR TO SUBMITTING A BID.
- 7. CONTRACTOR SHALL VERIFY THAT EQUIPMENT PURCHASED WILL FIT IN THE SPACE INCLUDING ANY CLEARANCES REQUIRED FOR MAINTENANCE, ACCESS OR OPERATION. REFER TO MANUFACTURER'S INSTALLATION MANUALS FOR ADDITIONAL
- 8. MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCE FOR NEW AND EXISTING MECHANICAL EQUIPMENT.
- 9. ALL NEW EQUIPMENT ON ROOF, PRIOR TO EQUIPMENT INSTALLATION FINAL LOCATION SHALL BE APPROVED BY OWNER OR PROJECT MECHANICAL ENGINEER.
- 10 MINIMUM CLEAR DISTANCE BETWEEN ALL FRESH AIR OPENINGS AND PLUMBING VENT STACKS OR EXHAUST FANS SHALL BE 15'-0". COORDINATE WITH PLUMBING CONTRACTOR.
- 11. EQUIPMENT SHALL BE LABELED WITH IT'S APPROPRIATE TAG. REFER TO MECHANICAL COVER SHEET FOR ADDITIONAL INFORMATION.

YED NOTES:

- 1) ROUTE HOOD EXHAUST TO THE RELIEF HOOD ON THE SIDE OF THE EXTERIOR WALL AS SHOWN.
- 2 PROVIDE KITCHEN EXHAUST HOOD THERMADOR MODEL PH36GWS WHERE SHOWN. ROUTE DUCTWORK TO RELIEF HOOD SHOWN OUT BACK WALL OF KITCHEN.
- 3 PROVIDE KITCHEN EXHAUST HOOD THERMADOR MODEL PH48GWS WHERE SHOWN. ROUTE DUCTWORK TO RELIEF HOOD ON THE ROOF.
- 4 PROVIDE ELECTRIC RADIANT HEATERS WHERE SHOWN. COORDINATE MOUNTING HEIGHTS WITH
- ARCHITECT PRIOR TO INSTALL.

 (5) ROUTE HOOD EXHAUST TO THE RELIEF HOOD ON THE ROOF AS SHOWN.

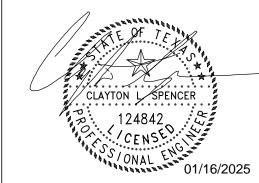
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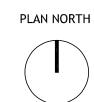




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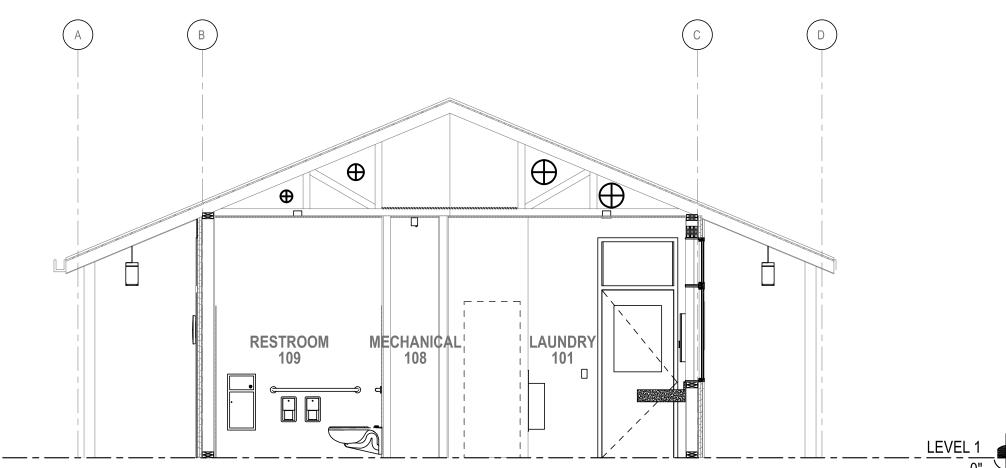
Issue

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MECHANICAL KITCHEN
PLAN & ROOF PLAN

M201



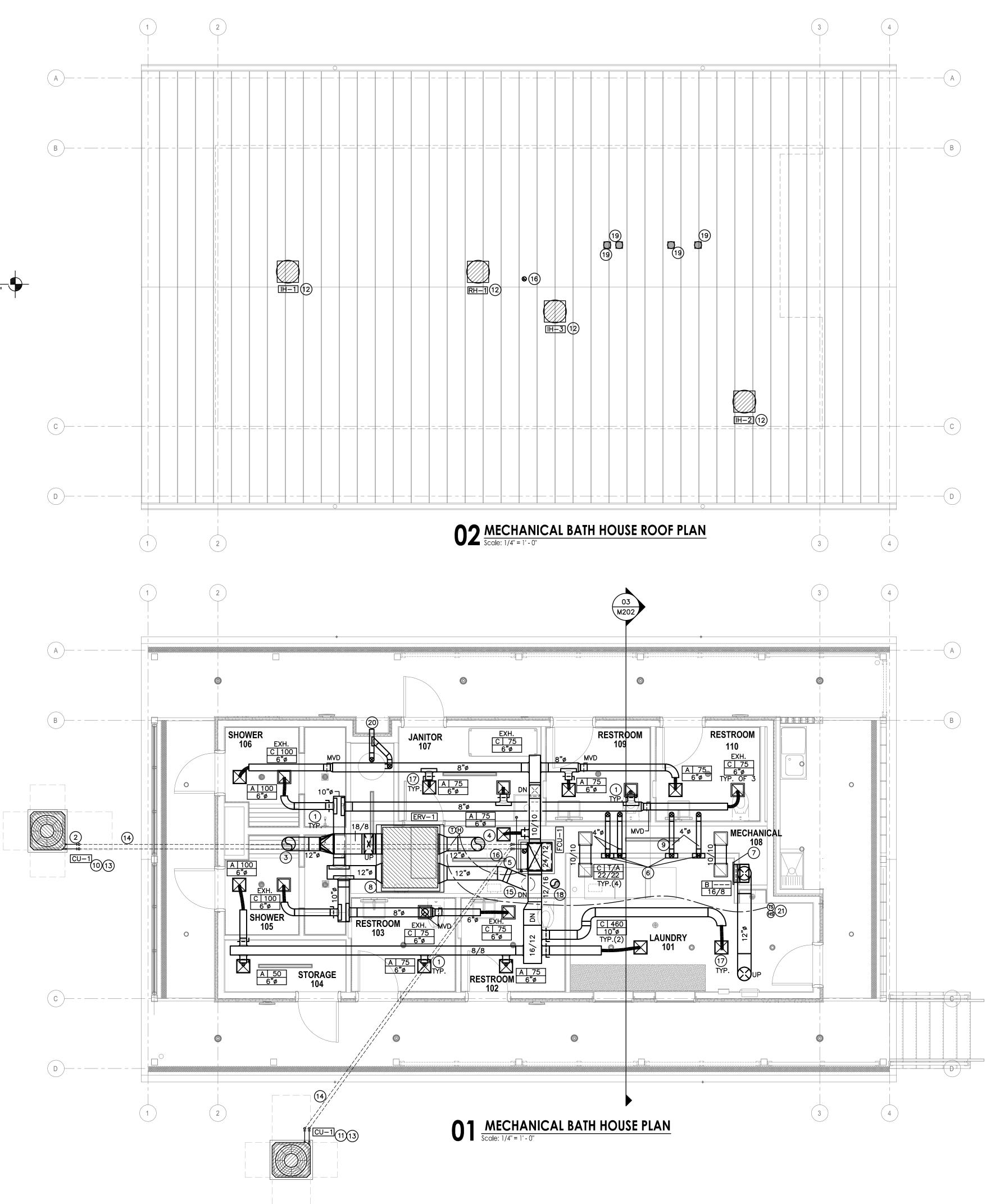
03 MECHANICAL BATH HOUSE SECTION PLAN Scale: 1/4" = 1'-0"

GENERAL NOTES:

- 1. REFER TO COVER SHEET FOR ADDITIONAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- REFER TO MECHANICAL SCHEDULES, RISERS, AND DETAILS FOR ADDITIONAL INFORMATION.
- MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES FOR ALL MECHANICAL EQUIPMENT.
- COORDINATE ALL MECHANICAL WORK COMPLETELY WITH ALL OTHER TRADES, PRIOR TO PURCHASING, MANUFACTURING, AND INSTALLING DUCTWORK, PIPING, EQUIPMENT, ETC. THESE DRAWINGS ARE SCHEMATIC IN NATURE, PROVIDE ADDITIONAL DUCTWORK, PIPING, OFFSETS, AND FITTINGS AS REQUIRED.
- MAINTAIN CODE REQUIRED AND MANUFACTURER'S RECOMMENDED CLEARANCES FOR ALL EXISTING AND NEW EQUIPMENT.
- VERIFY EXACT REQUIREMENTS AND OPERATION OF EXISTING BUILDING CONTROL SYSTEM WITH BUILDING OWNER PRIOR TO SUBMITTING A BID.
- CONTRACTOR SHALL VERIFY THAT EQUIPMENT PURCHASED WILL FIT IN THE SPACE INCLUDING ANY CLEARANCES REQUIRED FOR MAINTENANCE, ACCESS OR OPERATION. REFER TO MANUFACTURER'S INSTALLATION MANUALS FOR ADDITIONAL
- MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCE FOR NEW AND EXISTING MECHANICAL EQUIPMENT.
- 9. ALL NEW EQUIPMENT ON ROOF, PRIOR TO EQUIPMENT INSTALLATION FINAL LOCATION SHALL BE APPROVED BY OWNER OR PROJECT MECHANICAL ENGINEER.
- 10 MINIMUM CLEAR DISTANCE BETWEEN ALL FRESH AIR OPENINGS AND PLUMBING VENT STACKS OR EXHAUST FANS SHALL BE 15'-0". COORDINATE WITH PLUMBING
- 11. EQUIPMENT SHALL BE LABELED WITH IT'S APPROPRIATE TAG. REFER TO MECHANICAL COVER SHEET FOR ADDITIONAL INFORMATION.

KEYED NOTES:

- 1) ROUTE 3/4" CONDENSATE DRAIN LINE FROM FCU-1 TO MOP SINK IN THE JANITORS CLOSET. SLOPE CONDENSATE DRAIN LINE DOWN AT A MINIMUM OF 1/8" PER FOOT. COORDINATE WITH
- 2) ROUTE REFRIGERANT PIPING TO CU-1 FROM FCU-1.
- (3) ROUTE O/A FROM THE IH-1 ON THE ROOF TO ERV-1.
- (4) ROUTE EXHAUST FROM ERV-1 TO RH-1 ON THE ROOF.
- 5 INSTALL FCU-1 AND ASSOCIATED CONDENSING UNIT IN LOCATION SHOWN. COORDINATE INSTALLATION WITH ELECTRICAL.
- 6 PROVIDE (4) WALL BOXES FOR DRYER EXHAUST CONNECTIONS. ROUTE 4" FLEX DUCT FROM THE WALL BOX TO THE DRYER. RIDGED 4" GALVANIZED OR ALUMINUM DUCTWORK SHALL BE ROUTED FROM THE WALL BOX UP TO THE ROOF. EACH DRYER SHALL BE SEPARATELY VENTED UP TO THE ROOF. PROVIDE EACH DRYER WITH AN INLINE LINT TRAP ACCESSIBLE FROM THE MECHANICAL ROOM.
- PROVIDE 16" X 8" MAKEUP AIR DUCT FROM THE INTAKE HOOD ON THE ROOF DOWN TO A SIDEWALL GRILLE MOUNTED BEHIND THE DRYERS FOR DRYER MAKEUP AIR. MOUNT GRILLE WITHIN 24" OF THE FLOOR.
- (8) PROVIDE 60" X 60" ACCESS PANEL UNDERNEATH ERV-1.
- 9 DUCT LAUNDRY EXHAUST UP AND OFFSET WHERE SHOWN TO MAINTAIN 10 FEET OF CLEARANCE FROM IH-2.
- (10) FOR NEIGHBORHOOD 8 BATHHOUSE, USE CU-1 LOCATION SHOWN.
- (11) FOR NEIGHBORHOOD 9 BATHHOUSE, USE CU-1 LOCATION SHOWN.
- PROVIDE RELIEF AND INTAKE HOODS WHERE SHOWN. COORDINATE WITH ROOFING CONTRACTOR AND ARCHITECTURAL. 13) PROVIDE HOUSEKEEPING PAD.
- CONTRACTOR SHALL ROUTE REFRIGERANT PIPING BELOW GRADE TO FCU. PROVIDE 6" SCH 80 PVC CONDUIT WITH LONG SWEEPING ELBOWS. PROVIDE WATER TIGHT SEAL.
- (15) DUCT TO STOP 36" ABOVE FLOOR. PROVIDE 1/4" HARDWARE CLOTH COVER.
- (16) ROUTE FLUE FROM GAS FURNACE UP THRU ROOF. PROVIDE WITH RAIN CAP AND INSTALL PER MANUFACTURER'S IOM.
- (17) PROVIDE REMOTE DAMPER OPERATORS FOR ALL SPIN-IN DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS. OPERATORS SHALL BE ROTO-TWIST (OR APPROVED EQUAL) CABLE-TYPE OPERATOR, CONCEALED WITHIN DUCT RUN-OUT TO DEVICE, AND ACCESSIBLE FOR BALANCING FROM FACE OF AIR DEVICE. PROVIDE REQUIRED CABLE LENGTHS, MOUNTING CLAMPS, AND ALL OTHER REQUIRED COMPONENTS FOR A PROPER INSTALLATION AND OPERATION.
- PROVIDE 8" DUCT FOR COMBUSTION AIR, DUCT SHALL TERMINATE WITHIN 12" OF FURNACE. ROUTE DUCT UP THRU ROOF TO INTAKE HOOD.
- (19) PROVIDE DRYER EXHAUST CAP, COORDINATE COLOR WITH ARCHITECT.
- PROVIDE PVC FLUE AND COMBUSTION PIPE FROM WATER HEATER. PROVIDE CONCENTRIC VENT THRU WALL.
- (21) PROVIDE LOCKABLE COVER FOR REMOTE TEMPERATURE AND HUMIDITY SENSOR.



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MECHANICAL BATH HOUSE PLAN & ROOF PLAN

										SPLI	T SYSTE	EM A/C	UNIT	WIT	'H H	OT (GAS REHEAT SCHE	DULE (F	R-454B)							
EVAPORATOR MANUFACTURER SERVES POSITION AIRFLOW OLITSIDE EXT. S.P. ENTERING AIR TOTAL SENSIBLE WEIGHT CONDENSER MANUFACTURER WEIGHT CONDENSER WEIGHT CON												OUTDOOR UNIT	MINIMUM ENERGY EFFICIENCY													
MARK	SERVES	POSITION	AIRFLOW CFM	OUTSIDE AIR CFM	DROP IN.	*F DB	'F WB	TOTAL MBH	SENSIBLE MBH	STAGES	MAXIMUM MBH INPUT	REQUIRED HEAT (MBH)	HP VOL	rs PH	мса	MOCP	AND MODEL NUMBER	(LBS)	CONDENSER MARK	TEMP. *F	VOLTS	PH	MCA MOCP	AND MODEL NUMBER	(LBS)	EFFICIENCY RATING SEER2
FCU-1	SEE PLANS	VERTICAL	1620		0.50	79	66	44.2	37.6	1	110	39.7	1 23	0 1	10	15	LENNOX CK40HT-54/61C WITH EDA-060D HUMIDITROL	230	CU-1	105	230	1	33 55	LENNOX ML17KC2-060-230	246	15.5

NOTES:

- 1. SCHEDULED EXTERNAL STATIC PRESSURES DO NOT INCLUDE FILTER LOSSES.
- AIR HANDLING UNIT SHALL BE SPLIT SYSTEM DX AIR HANDLING UNIT WITH HOT LIQUID REHEAT SECTION TO PROVIDE HUMIDITY CONTROL. PROVIDE FLEXIBLE DUCT CONNECTIONS AT INLET AND DISCHARGE OF EACH UNIT. PROVIDE EACH UNIT WITH HIGH EFFICIENCY FAN MOTOR, SINGLE POINT ELECTRICAL CONNECTION, SLOPED STAINLESS STEEL DRAIN PAN, AND AUXILIARY DRAIN PAN WITH FLOAT SWITCH TO DE-ENERGIZE UNIT. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT LENNOX COMFORTSENSE 7500 OR EQUAL (WITH HUMIDITY SENSOR FOR UNITS WITH HOT LIQUID REHEAT) PROVIDE 2" THICK FILTER RACK WITH SIDE ACCESS FOR 2" THICK MERV-8 PLEATED FILTERS.
- 3. PROVIDE CONDENSATE PUMP. LITTLE GIANT 20VCM-ULS 120-VOLT WITH SAFETY SWITCH AND INTEGRAL CHECK VALVE. INSULATE TANK.

	ENERGY RECOVERY VENTILATOR														
	OUTDO	OR AIR	EXHAU	ST AIR	SUMME	ER PERFORM	MANCE	WINTE	ER PERFORM	ANCE	ELEC	CTRICAL: 240\	/ 1PH		
MARK	VOLUME CFM	EXT. SP IN W.G.	VOLUME CFM	EXT. SP IN W.G.	OUTDOOR DB/WB	INDOOR DB/WB	SUPPLY DB/WB	OUTDOOR DB	INDOOR DB	SUPPLY DB	OA SUPPLY HP	EXHAUST HP	MCA/MOP	MANUFACTURER AND MODEL NUMBER	WEIGHT LB
ERV-1	700	0.5	575	0.5	98/75	75/65	83.5/69.8	25	75	56.4			7.7/15	CONSERV MODEL HE1.5JINH-S15SSDDN3L	401

- 1. PROVIDE ERV WITH DESICCANT TOTAL HEAT RECOVERY WHEEL, MULTI-SPEED FAN VFD'S, INTAKE AND EXHAUST BACKDRAFT DAMPERS, MOTORIZED O/A
- INTAKE DAMPERS, DOUBLE WALL CONSTRUCTION, DIRECT-DRIVE MOTORS, INTAKE AND EXHAUST AIR FILTERS WITH 1" PLEATED MEDIA, INTAKE AND EXHAUST HOOD W/BIRDSCREEN, CONTROL TRANSFORMER, INTEGRAL MOTOR STARTERS, SINGLE POINT ELECTRICAL CONNECTION.

2. WHERE SPECIFICATIONS AND PERFORMANCE ARE MET, ALTERNATE MANUFACTURERS (BY SUBMITTAL ONLY) ARE: SYMTEC, RSI, CONSERV.

	AIR DISTRIBUTION DEVICE SCHEDULE													
MARK	NECK FACE INCHES INCHES SQUARE SQUARE NECK FACE INCHES SQUARE MANUFACTURER AND MODEL NUMBER													
Α	SUPPLY	SQUARE CELING DIFFUSER	REF. ARCH.	SEE PLANS	12"X12"	TITUS MODEL OMNI - AA								
В	RETURN	SIDEWALL GRILLE	REF. ARCH.	SEE PLANS	NECK+2"	TITUS MODEL 350RLF								
С	EXHAUST	EGGCRATE	REF. ARCH.	10"X10"	12"X12"	TITUS MODEL 50F								

- 1. FLEXIBLE DUCT RUN-OUTS SHALL BE LIMITED TO 60-IN TOTAL LENGTH PER RUN-OUT. PROVIDE RIGID ROUND EXTERNALLY INSULATED DUCT FOR RUN-OUTS IN EXCESS OF 60-IN TOTAL LENGTH. SUPPORT FLEXIBLE DUCT WITH GALVANIZED STRAP HANGERS SPACED 3-FEET ON CENTER.
- 2. DUCT RUN-OUTS TO AIR DEVICES SHALL BE EQUAL TO THE DIAMETER OF THE NECK SIZE INDICATED ABOVE, UNLESS ANOTHER SIZE IS NOTED ON PLANS. PROVIDE TRANSITION TO NECK SIZE DOWNSTREAM OF TAP AND BRANCH DUCTWORK. FLEX DUCT SIZE SHALL BE EQUAL TO NECK SIZE, TYP.
- 3. SUPPLY AIR DEVICES SHALL BE FOUR-WAY THROW UNLESS INDICATED OTHERWISE BY ARROWS ON PLANS.
- 4. CONTRACTOR SHALL VERIFY CEILING TYPE WITH ARCHITECT AND PROVIDE FRAMING FOR ALL AIR DEVICES.
- 5. COORDINATE FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING, SUBMIT COLOR CHART TO ARCHITECT. 6. CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT FOR MOUNTING HEIGHT OF ALL SIDEWALL GRILLES.

		ELE	CTRIC RAI	IAI	IT H	EAT	ER S	CHE	DUL	E	
		1001701	205	ELE	CTRICAL D	ATA	HEAT	WEIGHT	001.05		
MARK		LOCATION	TYPE	VOLTS	AMPS	PH	AREA	WEIGHT	COLOR	MANUFACTURER AND MODEL NUMBER	
ERH-(1	-4)	KITCHEN	SUSPENDED	240	8.3	1	65	20	BLACK	TUNGSTEN - BH0420030	

HOOD SCHEDULE											
MARK	LOCATION	SERVICE	TOTAL CFM	TOTAL S.P. IN. WG	TOTAL THROAT AREA FT ²	MANUFACTURER AND MODEL NUMBER					
IH-1	ROOF BH	OUTSIDE AIR INTAKE	700	0.09	0.82	GREENHECK GRSF-12					
IH-2	ROOF BH	DRYER EXHAUST MAKEUP AIR	800	0.03	1.83	GREENHECK GRSF-18					
IH-3	ROOF BH	COMBUSTION AIR			0.37	GREENHECK GRSF-8					
RH-1	ROOF BH	EXHAUST AIR	575	0.06	0.82	GREENHECK GRSF-12					
RH-2	ROOF K	EXHAUST AIR	1000	0.20	0.82	GREENHECK GRSF-12					
RH-3	ROOF K	EXHAUST AIR	1000	0.20	0.82	GREENHECK GRSF-12					
RH-4	ROOF K	EXHAUST AIR	1000	0.20	0.82	GREENHECK GRSF-12					

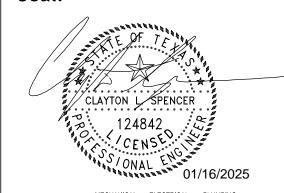
- 1. REFER TO DETAIL FOR INSTALLATION INFORMATION.
- 2. PROVIDE WITH ALUMINUM BIRDSCREEN, ALUMINUM HOUSING, 1" THICK HOOD INSULATION, ALUMINUM MESH INSECT SCREEN IN FRAME.

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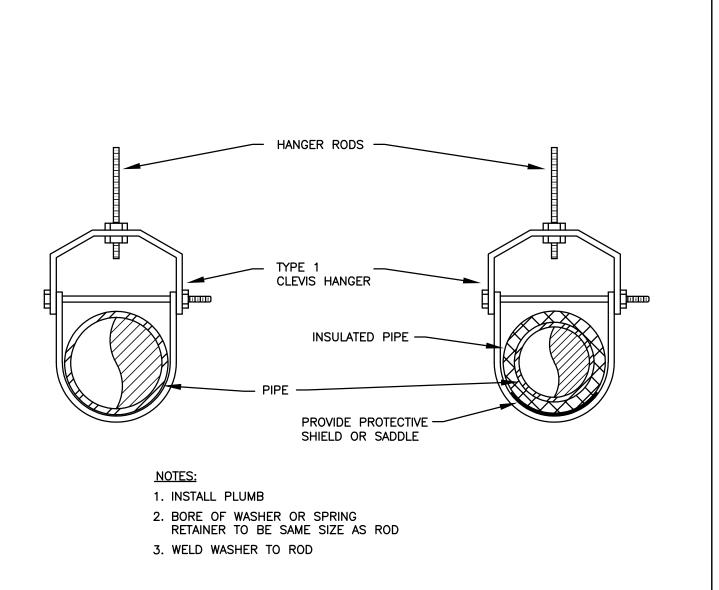


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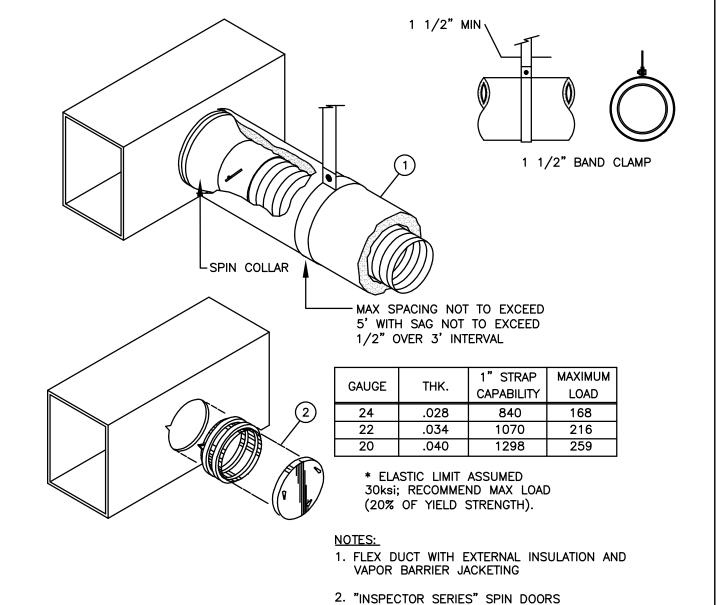
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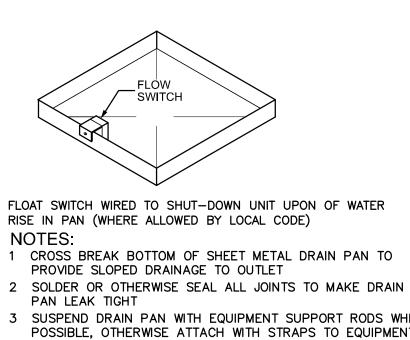
MECHANICAL SCHEDULES



O8 SINGLE PIPE CLEAVIS HANGER SCALE: NONE



05 MISCELLANEOUS DUCT



- 1 CROSS BREAK BOTTOM OF SHEET METAL DRAIN PAN TO
- 3 SUSPEND DRAIN PAN WITH EQUIPMENT SUPPORT RODS WHEN POSSIBLE, OTHERWISE ATTACH WITH STRAPS TO EQUIPMENT

4 FABRICATE DRAIN PAN FROM 24 GA GALV SHEET METAL **AUXILIARY PAN DRAIN DETAIL**

SUPPLY AIR DUCT

/BLOWER/

MANUAL BALANCING

DAMPER

FLOAT SWITCH -

HIGH SEAMLESS GALVANIZED

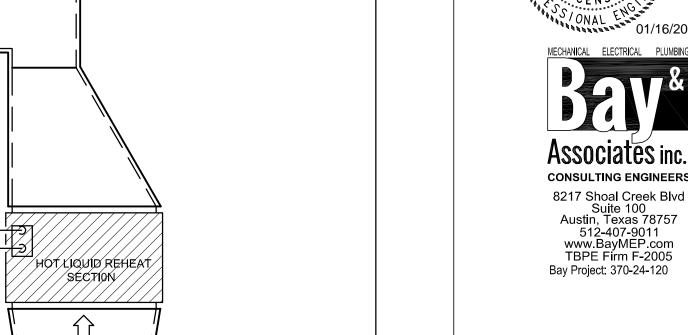
AUXILIARY DRAIN PAN

1) FILCAB MEDIA FILTER CABINET, WITH FILCAR MEDIA FILTER CARTRIGE.

2 1" COOLING COIL CONDENSATE DRAIN LINE, ROUTE TO NEAREST INDIRECT WASTE RECEPTOR.

THAN UNIT BASE DIMENSIONS,

KEYED NOTES:



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CLAYTON L SPENCER

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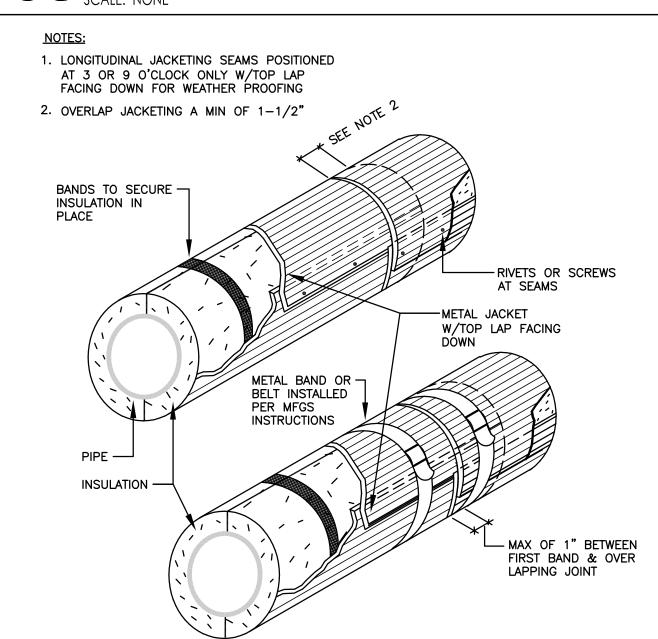


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MECHANICAL



O7 ALUMINUM JACKETING FOR INSULATED PIPE SCALE: NONE

PIPE CLAMP HANGER

AND MOISTURE

MIGRATION SEAL

TAPE APPLIED AT— BUTT JOINTS

SPLIT RING HANGER

APPLY INSULATION -

AROUND ROD ON COLD SERVICE

AND VAPOR

JACKET SEAL

INSTALLATION

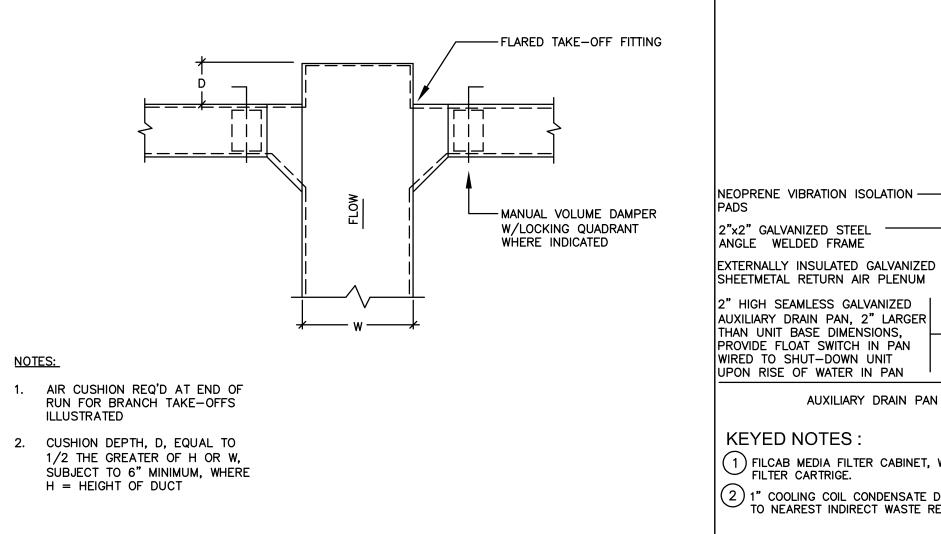
INSULATION -

REFER TO SPECIFICATION FOR MINIMUM

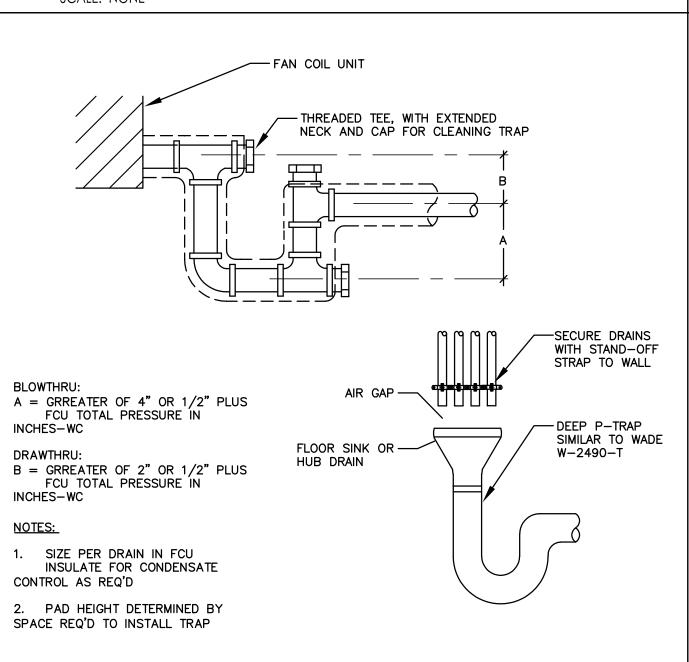
HEIGHT OF INSULATION UP THE HANGER,

OR PROVIDE THE HANGER ON THE

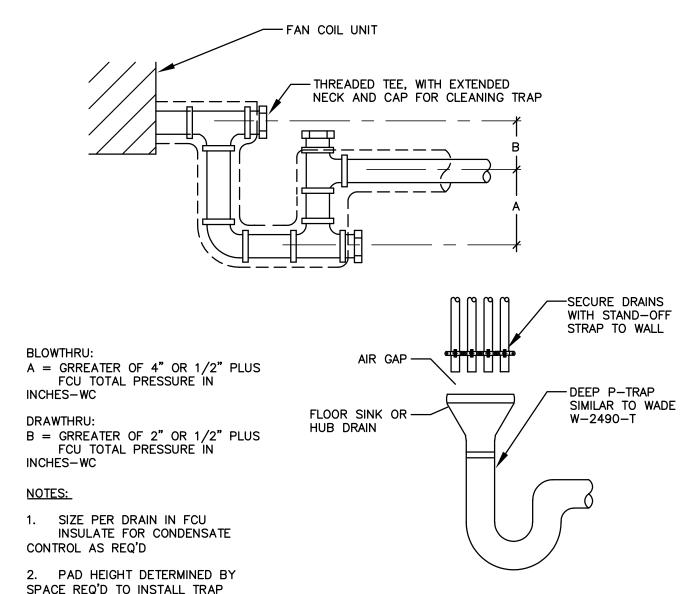
OUTSIDE OF THE INSULATION ON THE



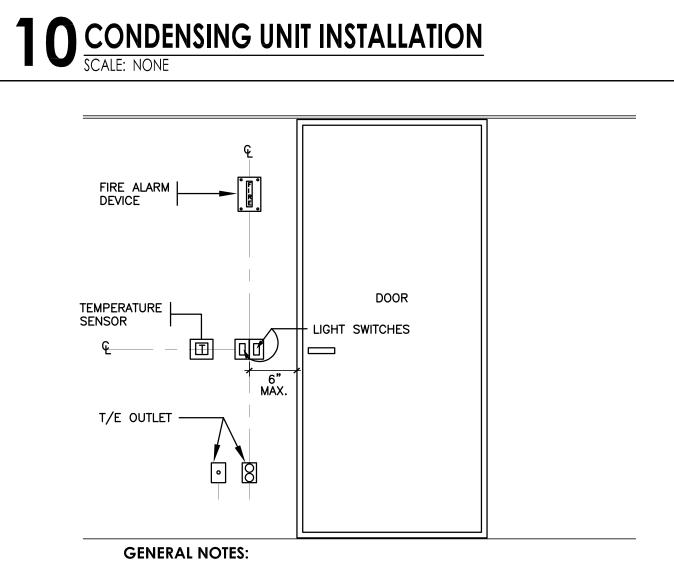
1 TYPICAL DUCTWORK TEE SCALE: NONE



O6 PIPE INSULATION AND VAPOR BARRIER
SCALE: NONE



O3 CONDENSATE DRAIN
SCALE: NONE



REQD.

- MOUNT ELECTRICAL

TO DISCONNECT SWITCH BY THE ELECTRICAL

DISCONNECT SWITCH

FLEXIBLE CONDUIT. REFER

TO ELECTRICAL.

BUILDING

SHALL NOT BE UNIT

CONTRACTOR

MOUNTED

DISCONNECT TO SIDE OF

AIR COOLED

HEAT PUMP

CONDENSING UNIT OR

EXPANSION ANCHOR

- 1" THICKNESS VIBRATION

ISOLATION PAD, 6"X6",

SECURE UNIT TO PAD WITH STAINLESS STEEL CABLES AND

CONTRACTOR SHALL FOLLOW

ALL MANUFACTURERS

RECOMMENDED SERVICE

CLEARANCES FOR UNIT.

SCREWS (TYP 4-CORNERS)

1. COORDINATE FINAL LOCATION OF ALL DEVICES WITH THE ARCHITECT AND THE ENGINEER PRIOR TO INSTALLATION. WHERE DEVICES ARE SHOW IN APPROXIMATELY THE SAME LOCATION ON THE DRAWINGS, THEY SHALL BE ALIGNED AS INDICATED. IF THERE IS NOT SUFFICIENT WALL SPACE TO ALIGN THE TEMPERATURE SENSOR HORIZONTALLY WITH THE LIGHT SWITCHES, THEN THEY SHALL BE LOCATED AT AN ALTERNATE LOCATION APPROVED BY THE ARCHITECT AND ENGINEERS. TEMPERATURE SENSOR SHALL NOT BE INSTALLED WITHIN 12" NEXT TO DIMMER SWITCHES.

O9 DEVICE COORDINATION

SCALE: NONE

DUCT MATERIAL AS SPECIFIED ______ 1" INSULATION TIGHTLY PACKED ALL AROUND DUCT COORDINATE W/ARCH DRAWINGS FOR SIZE OF OPENINGS

NON-FIRE-RATED SOUND WALL DUCT PENETRATION

SCALE: NIONIE

102 FLOOR MOUNTED DX FAN COIL UNIT DETAIL
SCALE: NONE

1. DRYWALL, METAL STUDS OR ANY OTHER RIGID MATERIAL MUST NOT TOUCH DUCT 2. SUPPORT DUCT FROM HANGERS FOR

22 GA SHEET METAL (TYP)

DETAILS

MARK AFF	EVIATIONS	PLUMBING SY	MBOLS	GENERAL PROVISIONS
AFF	DESCRIPTION		一分 FIRE HOSE VALVE	1. FURNISH AND INSTALL ALL ITEMS, INCLUDING EVERY ARTICLE, DEVICE, OR ACCESSORY REASONABLY NECESSARY TO FACILITATE EACH SYSTEM'S FUNCTIONING AS INDICATED BY T
	ABOVE FINISHED FLOOR	NPWNON-POTABLE WATER	——	DESIGN AND THE EQUIPMENT SPECIFIED. ELEMENTS OF THE WORK SHALL INCLUDE, BUT NOT LIMITED TO, MATERIALS, LABOR, SUPERVISION, SUPPLIES, EQUIPMENT, TRANSPORTATION
\FG	ABOVE FINISHED		DRY-PIPE VALVE	HOISTING/RIGGING, STORAGE, UTILITIES, AND ALL REQUIRED PERMITS AND LICENSES.
AHU	GRADE AIR_HANDLING	——————————————————————————————————————	•	2. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE PORTIONS OF ALL NATIONAL, STATE, AND LOCAL CODES AND STANDARDS. WHERE THE CONTRACT DOCUMENT
AMP	UNIT AMPERE	HOT WATER RETURN	POST-INDICATOR VALVE	ARE IN EXCESS OF CODE REQUIREMENTS, THE CONTRACT DOCUMENTS SHALL GOVERN.
ABV.	ABOVE		-MI-DETECTOR CHECK VALVE	THE EVENT OF A CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND APPLICABLE CODE THE LATTER SHALL GOVERN.
NUX. BFF	AUXILIARY BELOW FINISHED	COMPRESSED AIR	∞—— STANDPIPE BASE VALVE	
	FLOOR		FIRE DEDT CONNECTION	CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES FOUND PRIOR TO SUBMISSION OF BID. THE CONTRACTOR SHALL TAKE N
BFG	BELOW FINISHED GRADE	F FIRE MAIN, STANDPIPE	FIRE DEPT. CONNECTION	THAT THE DRAWINGS ARE SCHEMATIC IN NATURE AND INDICATE THE APPROXIMATE LOCATI
BFP .	BACKFLOW	S — SPRINKLER, DRY OR WET	RELIEF VALVE	OF THE HVAC AND PLUMBING SYSTEMS. LOCATE ALL ITEMS BY ON-THE-JOB MEASUREM
BHP	PREVENTER BRAKE HORSE	——————————————————————————————————————	GATE VALVE	COOPERATE WITH OTHER TRADES TO ENSURE PROPER FIT AND ACCESS TO ALL ITEMS. 4. CONSIDERATION SHALL NOT BE GRANTED FOR MISUNDERSTANDING OF THE SCOPE OR AM
	POWER		│ ───Ф─── OS&Y VALVE	OF WORK TO BE PERFORMED. TENDER OF A PROPOSAL CONVEYS FULL CONTRACTOR
3.0.P. 3.0.D.	BOTTOM OF PIPE BOTTOM OF	——————————————————————————————————————		AGREEMENT OF THE ITEMS AND CONDITIONS SPECIFIED AND/OR INDICATED, SCHEDULED, IMPLIED ON THE CONTRACT DOCUMENTS, AND/OR REQUIRED BY THE NATURE OF THIS WO
	DUCT	——————————————————————————————————————	———→—— CIRCUIT SETTER	5. ALL WORK SHALL BE ARRANGED IN A NEAT, WELL ORGANIZED MANNER. ALL SERVICES S
3TU	BRITISH THERMAL UNIT	RD	───── GLOBE VALVE	BE ROUTED PARALLEL AND PERPENDICULAR TO THE PRIMARY LINES OF THE BUILDING. LOCATE ALL OPERATING AND CONTROL EQUIPMENT PROPERLY TO PROVIDE CODE AND/OR
BLDG.	BUILDING CONC.	——————————————————————————————————————	│ │ ─────── CIRCUIT SOLVER	MANUFACTURERS CLEARANCES.
C.I.	CONCRETE CAST IRON	OD		6. AFTER COMPLETION OF INSTALLATION, BUT PRIOR TO SUBSTANTIAL COMPLETION, CONTRAC SHALL CERTIFY IN WRITING THAT PRODUCTS AND MATERIALS INSTALLED AND PROCESSES
CLG.	CEILING	·	—⊣∮⊢— BALL VALVE	DO NOT CONTAIN ASBESTOS OR POLYCHLORINATED BIPHENYL (PCB).
CO CIRC.	CLEAN OUT CIRCULATING	● ■ FLOOR DRAIN	CHECK VALVE	7. IN THE EVENT THAT MATERIALS, PRODUCTS, AND/OR PROCESSES BEING PROPOSED FOR
C.W.	COLD WATER	■ ■ ● ■ □ FLOOR SINK		PROJECT CONTAIN, OR MAY EMIT, ANY VOLATILE ORGANIC COMPOUNDS (VOC), FORMALDER FORMULATIONS, OR HAZARDOUS OUT-GASSING, AS DETERMINED BY THE MANUFACTURER,
CONN. COND.	CONNECTION CONDENSATE		BUTTERFLY VALVE	MATERIALS SAFETY DATA SHEET SHALL BE SUBMITTED AS PART OF THE SHOP DRAWING
CL.	CENTERLINE	ROOF DRAIN	——Ю—— PLUG VALVE	PROCESS FOR REVIEW BY THE ARCHITECT/ENGINEER/OWNER. 8. ALL EQUIPMENT AND MATERIAL TO BE FURNISHED AND INSTALLED ON THIS PROJECT SHA
DIA.	DIAMETER		PRESSURE REGULATING	BE UL OR ETL LISTED, IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION, AND
DN. DWG.	DOWN DRAWING	-⊚⊚⊚⊙ CLEAN-OUT: WALL, FLOOR, YARD, DOUBLE		SUITABLE FOR ITS INTENDED USE ON THIS PROJECT.
EXIST.	EXISTING	FLOOR, TARD, DOUBLE	VALVE	9. THE FOLLOWING SUBMITTAL DATA SHALL BE FURNISHED AND SHALL INCLUDE BUT NOT BILLIMITED TO:
EA. EL.	EACH ELEVATION	→ HOSE BIBB, WALL	SOLENOID VALVE	A. EQUIPMENT AND MATERIALS SHOP DRAWINGS
ELEC.	ELECTRICAL	HYDRANT		B. COORDINATION DRAWINGS C. RECORD DRAWINGS
EMERG. FCU.	EMERGENCY FAN COIL UNIT	PIPING AND EQUIPMENT	□ □ □ □ STRAINER	D. OPERATING AND MAINTENANCE MANUALS
FLEX.	FLEXIBLE	SHOWN LIGHT AND SOLID	SLEEVE	E. FIRE STOP MATERIALS AND DETAILS 10. ELECTRONIC MEDIA FOR THE PROJECT IS AVAILABLE IN AUTOCAD FORMAT. COPIES OF TI
FLR.	FLOOR	ARE FURNISHED BY OTHERS	UNION	ELECTRONIC MEDIA FOR THE PROJECT IS AVAILABLE IN AUTOCAD FORMAT. COPIES OF THE ELECTRONIC MEDIA WILL BE AVAILABLE VIA EMAIL OR COMPACT DISK (CD-ROM). THE
-Т. -РМ	FEET OR FOOT FEET PER			ELECTRONIC MEDIA IS FOR THE INTENDED USE OF THIS PROJECT ONLY AND SHALL NOT
	MINUTE	PIPING AND EQUIPMENT SHOWN LIGHT AND	SHOCK ARRESTER AND	USED BY ANY PARTY, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT. CONTRACTOR SHALL HAVE AN ACCEPTANCE PERIOD OF 10-WORKING DAYS TO REVIEW AND ACCEPT
G.C.	GENERAL CONTRACTOR	DASHED ARE EXISTING	SIZE ('X')	ELECTRONIC MEDIA FILES DELIVERED. THE ELECTRONIC MEDIA IS INTENDED TO ASSIST TI
GPM	GALLONS PER	NEW TO EXISTING		CONTRACTOR IN THE PREPARATION OF SHOP DRAWINGS FOR THIS PROJECT AND IS TO E CONSIDERED AS GUIDE ONLY. THE ELECTRONIC MEDIA AS PROVIDED DOES NOT RELIEVE
GPH	MINUTE GALLONS PER	CONNECTION LOCATION	B→ WATER CONNECTION,	CONTRACTOR OF ANY CONTRACT RESPONSIBILITIES. THE CONTRACTOR AGREES TO PROVI
	HOUR	DEMOLISH TO THIS	WALL BOX	THE OWNER AND ARCHITECT/ ENGINEER AN ELECTRONIC MEDIA COPY OF THE "RECORD
HR. HP	HOUR HORSE POWER	POINT		DRAWINGS" IN THE SAME FORMAT AS INDICATED ABOVE. THE CONTRACTOR SHALL SUBMI REQUESTS IN WRITING TO THE ENGINEER FOR ELECTRONIC MEDIA.
H.W.	HOT WATER	PROJECT CLOS	SE-OUT	11. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL COORDINATE THE INSTALLA
H.D. HORIZ.	HUB DRAIN HORIZONTAL			OF DUCTWORK, PIPING CONDUIT, CABLE, ETC., INSTALLATION WITH LIGHTING FIXTURES, SP CEILING CONSTRUCTION, AIR DISTRIBUTION EQUIPMENT, AND THE STRUCTURE. PROVIDE
HD.	HEAD IN FEET	THE PLUMBING CONTRACTOR SHALL PERFORM TH PROJECT COMPLETION. ALL REQUIRED REPORTS		ADDITIONAL RISES AND OFFSETS AS REQUIRED. IF, AFTER INSTALLED, NEW DUCTWORK, I
⊣T. .W.	HEIGHT INDIRECT WASTE	SUBMITTED WITHIN TWO (2) WEEKS OF DATE OF		CONDUIT, OR CABLE IS FOUND TO BE IN CONFLICT WITH THE ARCHITECTURE, STRUCTURE OTHER TRADE WORK, WHICH IS EITHER EXISTING OR SHOWN ON THE CONTRACT DOCUME
N.	INCHES	OWNER OCCUPANCY. A. SUBMIT "AS-BUILT" RECORD DRAWINGS INDIC.	ATING ACTUAL AS—BUILT	THE DUCTWORK, CONDUIT, OR CABLE SHALL BE RELOCATED WITHOUT ADDITIONAL COST T
NSUL.	INSULATION	CONDITIONS TO THE ARCHITECT/ENGINEER FO		THE OWNER. 12. MATERIALS AND EQUIPMENT SHALL BE NEW AND IN GOOD CONDITION. THE COMMERCIALI
KW LIN. FT.	KILOWATT LINEAL FEET	SHALL BE STAMPED "AS-BUILT" AND SHALL	HAVE THE NAME, ADDRESS, AND	STANDARD ITEMS OF EQUIPMENT AND THE SPECIFIC NAMES INDICATED ARE INTENDED TO
MH	MANHOLE	TELEPHONE NUMBER OF THE CONTRACTOR.		IDENTIFY STANDARDS OF QUALITY AND PERFORMANCE NECESSARY FOR THE PROPER FUNCTIONING OF THE WORK. MATERIALS AND EQUIPMENT, WHICH ARE FOUND TO HAVE
MAX. MECH.	MAXIMUM MECHANICAL	REMOVED FROM THE DRAWINGS. PROVIDE TO ONE (1) FULL SIZE REPRODUCIBLE.	(2) FULL SIZE CUPIES AND	FACTORY DEFECTS SHALL BE REPLACED OR REPAIRED IN A MANNER ACCEPTABLE TO THE
MIN.	MINIMUM	•		OWNER AND ENGINEER AT NO ADDITIONAL COST TO THE OWNER. 13. THE CONTRACTOR SHALL PROTECT THE WORK, EQUIPMENT, AND MATERIALS FROM DAMAGE
МВН	THOUSAND BTU/HR	B. SUBMIT TWO (2) COPIES OF OWNERS MAINTE SHALL INCLUDE RATINGS, CAPACITIES, PARTS		HIS WORK OR HIS PERSONNEL, AND SHALL CORRECT ALL DAMAGE THUS CAUSED WITHOU
N.C.	NORMALLY	SERVICE/MAINTENANCE RECOMMENDATIONS, AI		ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS, AND EQUIPMENT UNTIL FINAL ACCEPTANCE BY THE OWNER. PROTECT ALL WO
N.O.	CLOSED NORMALLY OPEN	C. SUBMIT WRITTEN RESPONSE TO ALL FIELD RE	DODES INDICATING CORRECTIVE	AGAINST THEFT, INJURY, OR DAMAGE AND CAREFULLY STORE MATERIAL AND EQUIPMENT
N.I.C.	NOT IN	ACTIONS TAKEN AND DATE CORRECTIVE ACTIO		RECEIVED ON SITE WHICH IS NOT IMMEDIATELY INSTALLED. THE CONTRACTOR SHALL CLC OPEN ENDS OF WORK WITH TEMPORARY COVERS OR PLUGS DURING CONSTRUCTION TO
NTS	CONTRACT NOT TO SCALE	ARCHITECT/ENGINEER FOR REVIEW.		PREVENT THE ENTRY OF DUST, DIRT, AND OBSTRUCTING MATERIAL. THE CONTRACTOR SH
NO.	NUMBER	PLUMBING DESIGI	A CRITERIA	PROTECT ALL EQUIPMENT AND MATERIALS FROM DAMAGE DUE TO WATER, SPRAY—ON FIREPROOFING, CONSTRUCTION DEBRIS, ETC. IN A MANNER ACCEPTABLE TO THE ENGINEE
OS&Y	OUTSIDE STEM AND YOKE			AND/OR OWNER.
PH	PHASE	(UNIFORM PLUMBING CODE 2021 WIT	'H LOCAL AMENDMENTS)	14. PLUMBING EQUIPMENT SHALL BE IDENTIFIED BY MEANS OF NAMEPLATES PERMANENTLY
PPM	PARTS PER MILLION	SANITARY DRAINAGE AND VENT PIPING		ATTACHED TO THE EQUIPMENT. NAMEPLATES SHALL BE BLACK SURFACE, WHITE CORE LAMINATED BAKELITE WITH ENGRAVED LETTERS. PLATES SHALL BE A MINIMUM OF 3—IN
P.R.V.	PRESSURE	SIZED DED TADLE 703.2 WITH 1/4" DED FOOT	FOR DIDES 3" AND SMALLED AND	BY 1-IN WIDE WITH WHITE LETTERS 1/4-IN HIGH.
⊃.D.	REDUCING VALVE PRESSURE DROP	SIZED PER TABLE 703.2, WITH 1/4" PER FOOT 1/8" PER FOOT FOR PIPES 4" AND LARGER, UN		15. THE WARRANTY PERIOD SHALL BE NO LESS THAN ONE (1) FULL YEAR, UNLESS SPECIFIE OTHERWISE AND SHALL INCLUDE AT LEAST ONE (1) FULL HEATING SEASON AND ONE (1)
PLUMB.	PLUMBING	,		FULL COOLING SEASON. DURING THE WARRANTY PERIOD THE CONTRACTOR SHALL GUARAN
PNL QTY.	PANEL QUANTITY	NATURAL GAS PIPING		THE FOLLOWING IN A FORM SATISFACTORY TO THE OWNER:
JIY. RE:	REFER OR	SIZED PER TABLE 1215.2(2) AT LOW PRESSURE		A. ALL WORK INSTALLED SHALL BE FREE FROM ANY AND ALL DEFECTS IN WORKMANS AND/OR MATERIALS.
REV.	REFERENCE REVISED OR	SIZED PER TABLE 1215.2(4) AT MEDIUM PRESSU		B. ALL APPARATUS WILL DEVELOP CAPACITIES AND PERFORMANCE CHARACTERISTICS
	REVISIONS	SIZED PER TABLE 1215.2(6) AT MEDIUM PRESSU	NE (U.U F31)	SPECIFIED. C. THE SYSTEMS SHALL OPERATE WITHOUT MALFUNCTION.
RPM	REVOLUTIONS PER MINUTE	DRAINAGE FIXTURE UNITS		THE START OF THE CONTRACTOR'S WARRANTY PERIOD SHALL COMMENCE ON THE DATE OF
RM.	ROOM	SIZED PER TABLE 702.1		"SUBSTANTIAL COMPLETION" AS AGREED TO BY THE OWNER. 16. ALL BUILDING SERVICES, UTILITIES, POWER, FIRE PROTECTION, AND DOMESTIC COLD AND
REQ'D. RPZ	REQUIRED			WATER MAY NOT BE DISRUPTED FOR ANY REASON WITHOUT PRIOR COORDINATION WITH A
/	REDUCED PRESSURE ZONE	WATER SUPPLY FIXTURE UNITS		REPRESENTATIVE OF BUILDING OPERATIONS. 17. ALL WORK TO BE PERFORMED AS PART OF THIS PROJECT SHALL BE COORDINATED
\	SANITARY	SIZED PER TABLE 610.3		COMPLETELY WITH ALL OTHER TRADES.
SAN.	SHEET	DOMESTIC WATER PIPE II	ISULATION NOTES	18. IN ADDITION, COMPLY WITH BASE BUILDING STANDARDS, REQUIREMENTS AND SPECIFICATION 19. THIS BUILDING MAY HAVE A STRUCTURAL SYSTEM UTILIZING POST—TENSIONED CABLES. THE
SAN. SHT.	STANDARD			CONTRACTOR SHALL DETERMINE THE EXISTING STRUCTURAL SYSTEM PRIOR TO CUTTING,
SAN. SHT. STD. SQ.	SQUARE	ALL BOLIEGES	B 14071 - FIRST	DRILLING, OR CORING. IF POST-TENSIONED CABLES ARE EXISTING, THE CONTRACTOR SH
SAN. SHT. STD. SQ. SURF.	SQUARE SURFACE	ALL DOMESTIC WATER PIPING SHALL BE INSULATE		r w way arr reaction come common common common common and distribute CLANIA CLANIA
SAN. SHT. STD. SQ. SURF. SUSP.	SQUARE SURFACE SUSPEND OR SUSPENDED	WITH AN ALL—SERVICE JACKET OR "AP" ARMAFLE INSULATION. ELBOWS AND FITTINGS SHALL BE IN	X FLEXIBLE ELASTOMERIC PIPE ISULATED AND COVERED WITH	X-RAY ALL PENETRATIONS PRIOR TO CUTTING THE FLOOR SLAB. 20. PORTIONS OF THE BUILDING MAY BE IN USE AND OCCUPIED DURING THE CONSTRUCTION
SAN. SHT. STD. SQ. SURF. SUSP.	SQUARE SURFACE SUSPEND OR SUSPENDED SYSTEM	WITH AN ALL-SERVICE JACKET OR "AP" ARMAFLE	X FLEXIBLE ELASTOMERIC PIPE ISULATED AND COVERED WITH	20. PORTIONS OF THE BUILDING MAY BE IN USE AND OCCUPIED DURING THE CONSTRUCTION PERIOD OF THIS PROJECT. ALL BUILDING SERVICES, UTILITIES, POWER, CHILLED WATER,
SAN. SHT. STD. SQ. SURF. SUSP. SYS. T.P.	SQUARE SURFACE SUSPEND OR SUSPENDED SYSTEM TOTAL PRESSURE TYPICAL	WITH AN ALL—SERVICE JACKET OR "AP" ARMAFLE INSULATION. ELBOWS AND FITTINGS SHALL BE IN	X FLEXIBLE ELASTOMERIC PIPE ISULATED AND COVERED WITH	20. PORTIONS OF THE BUILDING MAY BE IN USE AND OCCUPIED DURING THE CONSTRUCTION PERIOD OF THIS PROJECT. ALL BUILDING SERVICES, UTILITIES, POWER, CHILLED WATER, PROTECTION, AND DOMESTIC COLD AND HOT WATER WHICH WILL BE REQUIRED FOR THIS PROJECT MAY NOT BE DISRUPTED FOR ANY REASON WITHOUT PRIOR COORDINATION WITH
SAN. SHT. STD. SQ. SURF. SUSP. SYS. T.P. TYP.	SQUARE SURFACE SUSPEND OR SUSPENDED SYSTEM TOTAL PRESSURE TYPICAL TEMPERATURE	WITH AN ALL—SERVICE JACKET OR "AP" ARMAFLE INSULATION. ELBOWS AND FITTINGS SHALL BE IN ZESTON 2000 25/50 FIRE/SMOKE RATED PVC JACKET COLD WATER PIPING: ALL SIZES — 1—INCH THICKNESS	X FLEXIBLE ELASTOMERIC PIPE NSULATED AND COVERED WITH ACKETS.	20. PORTIONS OF THE BUILDING MAY BE IN USE AND OCCUPIED DURING THE CONSTRUCTION PERIOD OF THIS PROJECT. ALL BUILDING SERVICES, UTILITIES, POWER, CHILLED WATER, PROTECTION, AND DOMESTIC COLD AND HOT WATER WHICH WILL BE REQUIRED FOR THIS PROJECT MAY NOT BE DISRUPTED FOR ANY REASON WITHOUT PRIOR COORDINATION WITH REPRESENTATIVE OF BUILDING MANAGEMENT AND THE OWNER AND A WRITTEN AUTHORIZATION.
SAN. SHT. STD. SQ. SURF. SUSP. T.P. TYP. TEMP. U.G. VERT.	SQUARE SURFACE SUSPEND OR SUSPENDED SYSTEM TOTAL PRESSURE TYPICAL TEMPERATURE UNDERGROUND VERTICAL	WITH AN ALL—SERVICE JACKET OR "AP" ARMAFLE INSULATION. ELBOWS AND FITTINGS SHALL BE IN ZESTON 2000 25/50 FIRE/SMOKE RATED PVC J. DOMESTIC COLD WATER PIPING:	X FLEXIBLE ELASTOMERIC PIPE NSULATED AND COVERED WITH ACKETS.	20. PORTIONS OF THE BUILDING MAY BE IN USE AND OCCUPIED DURING THE CONSTRUCTION PERIOD OF THIS PROJECT. ALL BUILDING SERVICES, UTILITIES, POWER, CHILLED WATER, PROTECTION, AND DOMESTIC COLD AND HOT WATER WHICH WILL BE REQUIRED FOR THIS PROJECT MAY NOT BE DISRUPTED FOR ANY REASON WITHOUT PRIOR COORDINATION WITH REPRESENTATIVE OF BUILDING MANAGEMENT AND THE OWNER AND A WRITTEN AUTHORIZATION THE BUILDING MANAGER AND OWNER DESIGNATING A DATE, TIME, AND DURATION TI
SAN. SHT. STD. SQ. SURF. SUSP. T.P. TYP. TEMP. U.G. VERT.	SQUARE SURFACE SUSPEND OR SUSPENDED SYSTEM TOTAL PRESSURE TYPICAL TEMPERATURE UNDERGROUND VERTICAL VOLTS	WITH AN ALL—SERVICE JACKET OR "AP" ARMAFLE INSULATION. ELBOWS AND FITTINGS SHALL BE IN ZESTON 2000 25/50 FIRE/SMOKE RATED PVC JACKET COLD WATER PIPING: ALL SIZES — 1—INCH THICKNESS *IF EXPOSED TO OUTDOOR CONDITIONS DOMESTIC HOT WATER PIPING:	X FLEXIBLE ELASTOMERIC PIPE NSULATED AND COVERED WITH ACKETS. 5, INCREASE BY 1/2"	20. PORTIONS OF THE BUILDING MAY BE IN USE AND OCCUPIED DURING THE CONSTRUCTION PERIOD OF THIS PROJECT. ALL BUILDING SERVICES, UTILITIES, POWER, CHILLED WATER, PROTECTION, AND DOMESTIC COLD AND HOT WATER WHICH WILL BE REQUIRED FOR THIS PROJECT MAY NOT BE DISRUPTED FOR ANY REASON WITHOUT PRIOR COORDINATION WITH REPRESENTATIVE OF BUILDING MANAGEMENT AND THE OWNER AND A WRITTEN AUTHORIZATED FROM THE BUILDING MANAGER AND OWNER DESIGNATING A DATE, TIME, AND DURATION THE ARE APPROVED BY THE BUILDING MANAGER AND OWNER FOR SUCH DISRUPTION. AN ADDITIONAL ADVANCE NOTIFICATION OF SEVEN (7) DAYS SHALL BE GIVEN TO THE BUILDING
SAN. SHT. STD. SQ. SURF. SUSP. T.P. TYP. TEMP. J.G. VERT. V	SQUARE SURFACE SUSPEND OR SUSPENDED SYSTEM TOTAL PRESSURE TYPICAL TEMPERATURE UNDERGROUND VERTICAL VOLTS VELOCITY VOLUME	WITH AN ALL—SERVICE JACKET OR "AP" ARMAFLE INSULATION. ELBOWS AND FITTINGS SHALL BE IN ZESTON 2000 25/50 FIRE/SMOKE RATED PVC J. DOMESTIC COLD WATER PIPING: ALL SIZES — 1—INCH THICKNESS *IF EXPOSED TO OUTDOOR CONDITIONS DOMESTIC HOT WATER PIPING: 1—1/4" AND SMALLER — 1—INCH THICKNESS	X FLEXIBLE ELASTOMERIC PIPE ISULATED AND COVERED WITH ACKETS. 5, INCREASE BY 1/2"	20. PORTIONS OF THE BUILDING MAY BE IN USE AND OCCUPIED DURING THE CONSTRUCTION PERIOD OF THIS PROJECT. ALL BUILDING SERVICES, UTILITIES, POWER, CHILLED WATER, PROTECTION, AND DOMESTIC COLD AND HOT WATER WHICH WILL BE REQUIRED FOR THIS PROJECT MAY NOT BE DISRUPTED FOR ANY REASON WITHOUT PRIOR COORDINATION WITH REPRESENTATIVE OF BUILDING MANAGEMENT AND THE OWNER AND A WRITTEN AUTHORIZATED FROM THE BUILDING MANAGER AND OWNER DESIGNATING A DATE, TIME, AND DURATION TO ARE APPROVED BY THE BUILDING MANAGER AND OWNER FOR SUCH DISRUPTION. AN ADDITIONAL ADVANCE NOTIFICATION OF SEVEN (7) DAYS SHALL BE GIVEN TO THE BUILDING MANAGER AND OWNER PRIOR TO EACH DISRUPTION.
SAN. SHT. STD. SQ. SURF. SUSP. T.P. TYP. TEMP. J.G. VERT. V	SQUARE SURFACE SUSPEND OR SUSPENDED SYSTEM TOTAL PRESSURE TYPICAL TEMPERATURE UNDERGROUND VERTICAL VOLTS VELOCITY VOLUME VENT THROUGH	WITH AN ALL—SERVICE JACKET OR "AP" ARMAFLE INSULATION. ELBOWS AND FITTINGS SHALL BE IN ZESTON 2000 25/50 FIRE/SMOKE RATED PVC JACKET OF THE PROPERTY OF THE PR	X FLEXIBLE ELASTOMERIC PIPE NSULATED AND COVERED WITH ACKETS. 5, INCREASE BY 1/2"	20. PORTIONS OF THE BUILDING MAY BE IN USE AND OCCUPIED DURING THE CONSTRUCTION PERIOD OF THIS PROJECT. ALL BUILDING SERVICES, UTILITIES, POWER, CHILLED WATER, PROTECTION, AND DOMESTIC COLD AND HOT WATER WHICH WILL BE REQUIRED FOR THIS PROJECT MAY NOT BE DISRUPTED FOR ANY REASON WITHOUT PRIOR COORDINATION WITH REPRESENTATIVE OF BUILDING MANAGEMENT AND THE OWNER AND A WRITTEN AUTHORIZAT FROM THE BUILDING MANAGER AND OWNER DESIGNATING A DATE, TIME, AND DURATION TI ARE APPROVED BY THE BUILDING MANAGER AND OWNER FOR SUCH DISRUPTION. AN ADDITIONAL ADVANCE NOTIFICATION OF SEVEN (7) DAYS SHALL BE GIVEN TO THE BUILDING MANAGER AND OWNER PRIOR TO EACH DISRUPTION. 21. PREMIUM TIME MAY BE REQUIRED TO PERMIT CERTAIN PORTIONS OF THE WORK TO BE PERFORMED AT TIMES ACCEPTABLE TO THE BUILDING MANAGER AND OWNER. THE COST
SAN. SHT. STD. SQ. SURF. SUSP. T.P. TYP. TEMP. U.G. VERT. V VEL. VOL. V.T.R.	SQUARE SURFACE SUSPEND OR SUSPENDED SYSTEM TOTAL PRESSURE TYPICAL TEMPERATURE UNDERGROUND VERTICAL VOLTS VELOCITY VOLUME	WITH AN ALL—SERVICE JACKET OR "AP" ARMAFLE INSULATION. ELBOWS AND FITTINGS SHALL BE IN ZESTON 2000 25/50 FIRE/SMOKE RATED PVC JACKET ON 2000 25/50 FIRE/SMOKE PARTED PVC JACKET ON 2000 25/50 F	X FLEXIBLE ELASTOMERIC PIPE NSULATED AND COVERED WITH ACKETS. 5, INCREASE BY 1/2"	20. PORTIONS OF THE BUILDING MAY BE IN USE AND OCCUPIED DURING THE CONSTRUCTION PERIOD OF THIS PROJECT. ALL BUILDING SERVICES, UTILITIES, POWER, CHILLED WATER, PROTECTION, AND DOMESTIC COLD AND HOT WATER WHICH WILL BE REQUIRED FOR THIS PROJECT MAY NOT BE DISRUPTED FOR ANY REASON WITHOUT PRIOR COORDINATION WITH REPRESENTATIVE OF BUILDING MANAGEMENT AND THE OWNER AND A WRITTEN AUTHORIZATED FROM THE BUILDING MANAGER AND OWNER DESIGNATING A DATE, TIME, AND DURATION TO ARE APPROVED BY THE BUILDING MANAGER AND OWNER FOR SUCH DISRUPTION. AN ADDITIONAL ADVANCE NOTIFICATION OF SEVEN (7) DAYS SHALL BE GIVEN TO THE BUILDING MANAGER AND OWNER PRIOR TO EACH DISRUPTION. 21. PREMIUM TIME MAY BE REQUIRED TO PERMIT CERTAIN PORTIONS OF THE WORK TO BE PERFORMED AT TIMES ACCEPTABLE TO THE BUILDING MANAGER AND OWNER. THE COST SUCH PREMIUM TIME SHALL BE INCLUDED AS PART OF THE BASIC CONTRACT COST.
SAN. SHT. STD. SQ. SURF. SUSP. SYS. T.P. TYP. TEMP. U.G. VERT. V VEL. VOL. V.T.R. WCO W.G.	SQUARE SURFACE SUSPEND OR SUSPENDED SYSTEM TOTAL PRESSURE TYPICAL TEMPERATURE UNDERGROUND VERTICAL VOLTS VELOCITY VOLUME VENT THROUGH ROOF WALL CLEAN OUT WATER GAUGE	WITH AN ALL—SERVICE JACKET OR "AP" ARMAFLE INSULATION. ELBOWS AND FITTINGS SHALL BE IN ZESTON 2000 25/50 FIRE/SMOKE RATED PVC JACKETON 25/50 FIRE/SMOKE RATED PVC JACKETON 2000 25/50 FIRE/SMOKE PATED PV	X FLEXIBLE ELASTOMERIC PIPE ISULATED AND COVERED WITH ACKETS. 5, INCREASE BY 1/2" S 6, INCREASE BY 1/2"	20. PORTIONS OF THE BUILDING MAY BE IN USE AND OCCUPIED DURING THE CONSTRUCTION PERIOD OF THIS PROJECT. ALL BUILDING SERVICES, UTILITIES, POWER, CHILLED WATER, PROTECTION, AND DOMESTIC COLD AND HOT WATER WHICH WILL BE REQUIRED FOR THIS PROJECT MAY NOT BE DISRUPTED FOR ANY REASON WITHOUT PRIOR COORDINATION WITH REPRESENTATIVE OF BUILDING MANAGEMENT AND THE OWNER AND A WRITTEN AUTHORIZAT FROM THE BUILDING MANAGER AND OWNER DESIGNATING A DATE, TIME, AND DURATION TI ARE APPROVED BY THE BUILDING MANAGER AND OWNER FOR SUCH DISRUPTION. AN ADDITIONAL ADVANCE NOTIFICATION OF SEVEN (7) DAYS SHALL BE GIVEN TO THE BUILDING MANAGER AND OWNER PRIOR TO EACH DISRUPTION. 21. PREMIUM TIME MAY BE REQUIRED TO PERMIT CERTAIN PORTIONS OF THE WORK TO BE PERFORMED AT TIMES ACCEPTABLE TO THE BUILDING MANAGER AND OWNER. THE COST
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PLUMBING GENERAL NOTES

- 1. REFER TO THE ARCHITECTURAL PLANS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES.
- 2. REFER TO THE ARCHITECTURAL PLANS AND DETAILS FOR EXACT LOCATIONS OF ALL FLOOR DRAINS. 3. ALL SANITARY AND VENT PIPING SHALL BE ROUTED AT A SLOPE OF NOT LESS THAN
- 4. THE PLUMBING CONTRACTOR SHALL COORDINATE EXACT ROUTING OF ALL PIPING WITH THE WORK OF ALL OTHER TRADES. PROVIDE OFFSETS IN PIPING WHERE REQUIRED BY COORDINATION OF TRADES.
- 5. THE PLUMBING CONTRACTOR SHALL CLEAN, FLUSH, AND DISINFECT ALL COLD WATER AND HOT WATER PIPING AND ALL FIXTURES PRIOR TO COMPLETION OF WORK.
- 6. INSTALL ALL FLOOR DRAINS AND FLOOR SINKS SUCH THAT GRATING IS FLUSH WITH ADJACENT FLOORING SURFACE. FLOOR SHALL SLOPE TO DRAIN. COORDINATE ALL REQUIREMENTS WITH ARCHITECT AND GENERAL CONTRACTOR PRIOR TO INSTALLATION. 7. VENTS THROUGH ROOF TO BE LOCATED A MINIMUM OF 15'-0" HORIZONTALLY AWAY
- FROM OUTSIDE AIR INTAKES. 8. FLOOR DRAINS NOT RECEIVING REGULAR-USE DRAINAGE ARE TO BE TRAP PRIMERED. 9. PROVIDE BACKFLOW PREVENTION AS REQUIRED BY THE LOCAL CROSS CONNECTION CONTROL DEPT. STANDARDS WHERE NOT PROVIDED OR INADEQUATELY PROVIDED, BY
- EQUIPMENT MANUFACTURER. 10. INSTALL PIPING AS HIGH AS POSSIBLE UNLESS OTHERWISE NOTED. 11. VERIFY DIMENSIONS FROM ARCHITECTURAL DRAWINGS AND FROM ACTUAL
- MEASUREMENTS AT JOBSITE. 12. PROVIDE SADDLES AND SHIELDS FOR SUPPORT OF INSULATED PIPING TO PREVENT
- CRUSHING. 13. PIPING PENETRATIONS THROUGH PERIMETER BEAMS, FOUNDATION ON GRADE, AND STRUCTURAL FLOORS SHALL BE SLEEVED. COORDINATE SLEEVE LOCATIONS AND SIZES WITH STRUCTURAL PRIOR TO POUR.
- 14. PROVIDE DIELECTRIC UNIONS AT DISSIMILAR MATERIALS.

1/4" PER FOOT, UNLESS OTHERWISE NOTED

- 15. PROVIDE ESCUTCHEONS AT ALL FINISHED WALL AND CEILING PIPING PENETRATIONS. 16. ALL PIPING SHALL BE IDENTIFIED AS TO TYPE OF USE, SERVICE, AND DIRECTION OF FLOW. LOCATE MARKERS AT EACH VALVE, AT ENTRIES TO WALLS, AND ON 20-FOOT CENTERS ON STRAIGHT RUNS OF PIPE. PROVIDE A FLOW ARROW AT EACH
- IDENTIFICATION MARKER. PIPE MARKERS SHALL BE SETON "SETMARK" OR EQUAL. 17. COORDINATE WORK COMPLETELY WITH ALL OTHER TRADES. 18. INSTALL PIPING FREE OF SAGS AND BENDS. PROVIDE NON-METALLIC COATED
- HANGERS WHERE IN DIRECT CONTACT WITH COPPER PIPING. 19. PROVIDE ENGINEERED WATER HAMMER ARRESTERS SIZED AND PLACED IN ACCORDANCE WITH STANDARD PDI-WH 201. AIR CHAMBERS SHALL NOT BE
- 20. PROVIDE FLEXIBLE EXPANSION FITTINGS SUITABLE FOR SANITARY (DWV) AND RAINWATER PIPING WHERE PIPING ENTERS EXPANSIVE SOILS TO ALLOW FOR 4-IN OF
- DIFFERENTIAL MOVEMENT 21. MAKE ALL NECESSARY EXCAVATIONS, CUTTING OF PAVING, CONCRETE, ETC., REMOVAL OF UNUSABLE SPOIL MATERIAL, DO ALL BACKFILLING WITH STABILIZED FILL. AND DO TEMPORARY PATCH PAVING REPAIRS NECESSARY FOR PROPER EXECUTION OF THE WORK. BACKFILL SHALL BE MECHANICALLY COMPACTED TO A DENSITY OF 95% OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY
- THE STANDARD PROCTOR COMPACTION TEST. 22. SADDLE CLAMPS SHALL NOT BE PERMITTED AT 1/4" CW PIPING STUB-OUTS FOR ICE MAKERS AND COFFEE MAKERS.
- 23. PROVIDE MINIMUM 1" AIR GAP AT DRAIN DISCHARGE FOR ALL INDIRECT WASTE
- 24. DISCHARGE PIPING FROM A DISHWASHER SHALL BE LOOPED UP AND SECURELY FASTENED TO THE UNDERSIDE OF THE COUNTER OR AN APPROVED DISHWASHER AIR-GAP FITTING IS REQUIRED
- 25. COMPRESSION TANKS SUPPLIED AT EACH WATER HEATER SHALL BE SECURED TO A WALL WITH (2) 1" X 14 GA. GALVANIZED STRAPS. PROVIDE LAG BOLTS AND
- 26. AN ATMOSPHERIC VACUUM BREAKER OR OTHER APPROVED BACKFLOW PREVENTION DEVICE MUST BE INSTALLED ON ALL THREADED HOSE BIBB, WALL HYDRANT OR FAUCET CONNECTIONS LOCATED INSIDE OR OUTSIDE THE BUILDING.
- 27. CONTRACTOR SHALL EITHER 1) REPLACE ALL PLUMBING PVC PIPING, OR OTHER NON-RATED MATERIALS, WITHIN RETURN AIR PLENUM WITH CAST IRON PIPING AS SPECIFIED ON COVER SHEET; OR 2) PROVIDE AND INSTALL FIRE WRAP ON ALL PLUMBING PIPING OR OTHER EXPOSED PLASTIC (PVC. ETC.) MATERIALS THAT EMIT HARMFUL SMOKE VAPORS. FIRE WRAP SHALL COMPLETELY SURROUND ALL PLASTIC, NON-RATED, ITEMS AND SHALL BE FIRE STOPPED (CAULKED) AT EACH WALL PENETRATION. FIRE WRAPPING SHALL COMPLY WITH ALL APPLICABLE CODES AND JURISDICTIONAL REQUIREMENTS. THIS REQUIREMENT APPLIES TO ALL PLUMBING PIPING WITHIN THE SCOPE OF THIS PROJECT. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS DURING PRE-CONSTRUCTION SERVICE CHECK.

PLUMBING MATERIALS

SANITARY SEWER (WASTE) AND VENT PIPING ABOVE GRADE:

ASTM A888, HUBLESS CAST IRON, WITH CISPI 301 SPIGOT BEAD ENDS FOR COUPLING ASSEMBLY. ASTM D2665, SCHEDULE 40 PVC JOINED WITH SOLVENT

BELOW GRADE: ASTM D2665, SCHEDULE 40 PVC JOINED WITH SOLVENT WELDS. (SANITARY):

INDIRECT DRAINS: ASTM B88, TYPE L COPPER, WITH SOLDERED JOINTS

DOMESTIC WATER PIPING

TEXAS CIVIL STATUTES

ABOVE GRADE: ASTM B88, TYPE L COPPER, WITH SOLDERED JOINTS. CROSSLINKED POLYETHYLENE (PEX) TUBING WITH ASTM F1960 FITTINGS MEETING 25/50 REQUIREMENTS OF ASTM E84E

(PLENUM RATED) BUILDING SUPPLY BELOW GRADE: ASTM D1785, SCHEDULE 80 PVC, WITH SOLVENT WELDS.

BUILDING DISTRIBUTION

BELOW GRADE: ASTM B88, TYPE L COPPER, WITH BRAZED JOINTS.

TRAP PRIMER PIPING ASTM B88, TYPE K COPPER, SEAMLESS TUBING, 1/2".

ALL VALVES SHALL BE BALL VALVES, NO GATE VALVES SHALL BE USED.

RPZ RELIEF DISCHARGE PIPING
ABOVE GRADE: ASTM B88, TYPE L COPPER, WITH SOLDERED JOINTS.

ACCESSIBILITY STANDARDS

AMERICANS WITH DISABILITIES ACT (ADA), ACCESSIBILITY GUIDELINES FOR BUILDINGS AND

TEXAS ACCESSIBILITY STANDARDS (TAS) OF THE ARCHITECTURAL BARRIERS ACT ARTICLE 9102,

PRE-CONSTRUCTION PLUMBING SYSTEM CHECK

PLUMBING CONTRACTOR SHALL PERFORM THE FOLLOWING PRE-CONSTRUCTION SERVICE CHECK OF ALL EQUIPMENT TO REMAIN THAT SERVES THE AREA OF NEW WORK. ALL WORK SHALL BE PERFORMED AFTER THE AWARD OF CONTRACT, BUT PRIOR TO THE BEGINNING OF DEMOLITION WORK OR OTHER CONSTRUCTION. A. VERIFY EXISTING ELECTRIC WATER HEATER IS OPERATIONAL AND PROVIDES ADEQUATE CAPACITY FOR NEW AND EXISTING PLUMBING SERVICE REQUIREMENTS.

THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING, OF ANY AND ALL DISCREPANCIES AND DEFICIENCIES FOUND DURING THIS PRE-CONSTRUCTION SERVICE CHECK, INCLUDING CORRECTIVE ACTIONS REQUIRED, AND ASSOCIATED ADDITIONAL COST TO THE PROJECT. THE CONTRACTOR SHALL OBTAIN WRITTEN INSTRUCTIONS FROM THE OWNER, PRIOR TO BEGINNING DEMOLITION OR NEW CONSTRUCTION, REGARDING ALL ACTIONS TO BE TAKEN. ALL DISCREPANCIES AND DEFICIENCIES NOT ADDRESSED IN THE PRE-CONSTRUCTION SERVICE CHECK SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT OR REPLACE AT NO ADDITIONAL COST TO THE OWNER.

DESCRIPTION

P000 PLUMBING COVER SHEET

P201 PLUMBING KITCHEN UNDERFLOOR & FLOOR PLAN -NEIGHBORHOOD 8 P202 PLUMBING KITCHEN UNDERFLOOR & FLOOR PLAN -NEIGHBORHOOD 9

P301 PLUMBING BATH HOUSE UNDERFLOOR & FLOOR PLAN -NEIGHBORHOOD 8

P302 PLUMBING BATH HOUSE UNDERFLOOR & FLOOR PLAN -NEIGHBORHOOD 9

INDEX OF DRAWINGS

P101 PLUMBING SITE PLAN - NEIGHBORHOOD 8 P102 PLUMBING SITE PLAN - NEIGHBORHOOD 9

P501 PLUMBING DETAILS

P601 PLUMBING SCHEDULES

P602 PLUMBING RISER DIAGRAMS

CONSULTING ENGINEERS 8217 Shoal Creek Blvd Suite 100 Austin, Texas 78757 512-407-9011 www.BayMEP.com

TBPE Firm F-2005

Bay Project: 370-24-120

CENS

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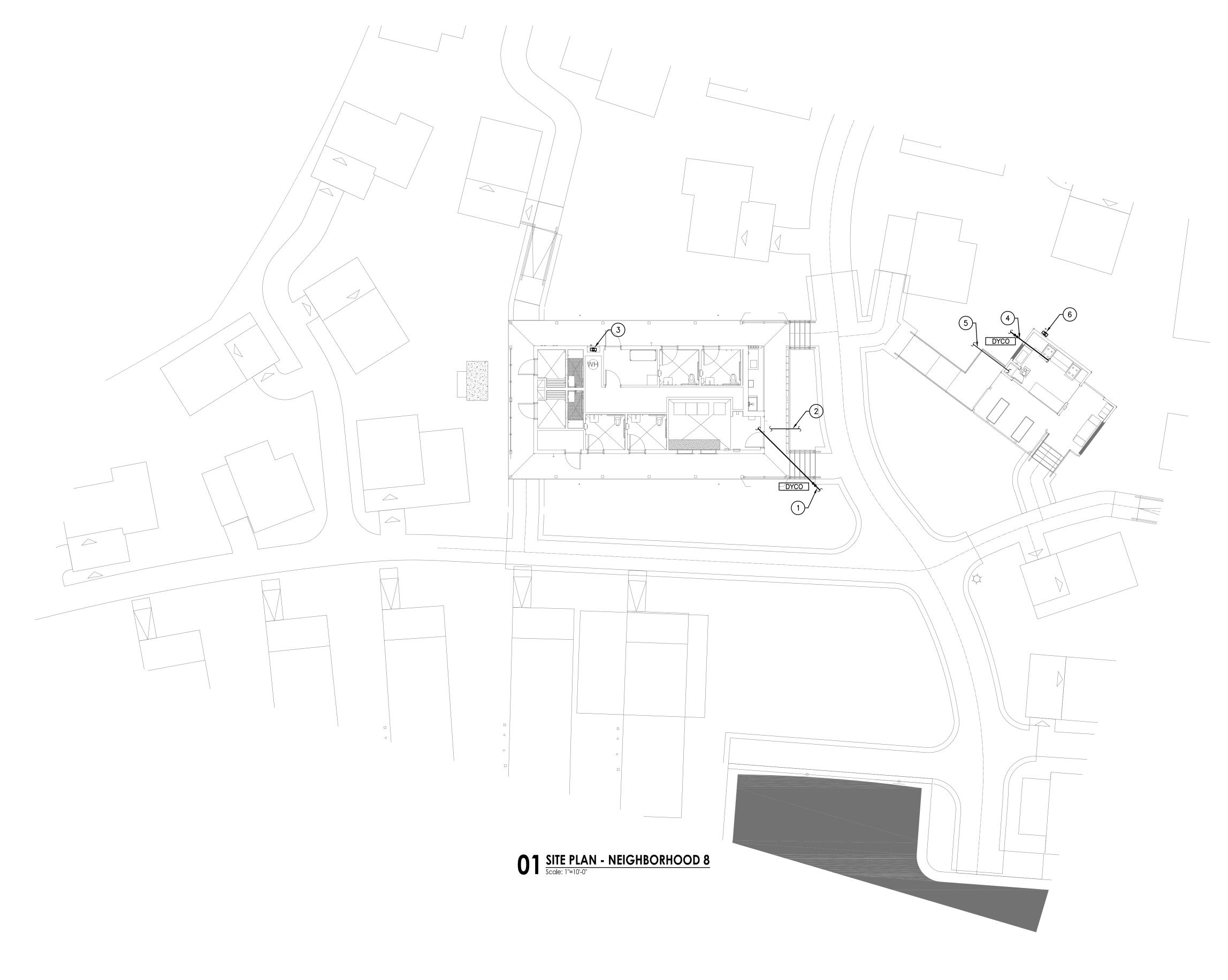
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Issue

01.15.25 ISSUE FOR CONSTRUCTION

Project Number: 24-093a

PLUMBING **COVER SHEET**



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- 3. REFER TO RISER AND EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL SIZES AND ROUTING NOT INDICATED ON PLANS.

KEYED DRAWING NOTES:

- 1 4" SANITARY SEWER TO WASTE WATER SYSTEM. REFER TO CIVIL FOR CONTINUATION BEYOND 5-FT OUTSIDE BUILDING.
- 2) 2" DOMESTIC WATER. REFER TO CIVIL FOR CONTINUATION BEYOND 5-FT OUTSIDE BUILDING.
- 3 NEW GAS METER LOCATION. COORDINATE WITH TEXAS GAS SERVICE. TOTAL 409,000 BTU'S.
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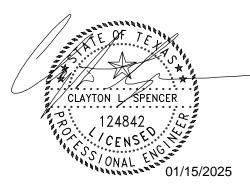
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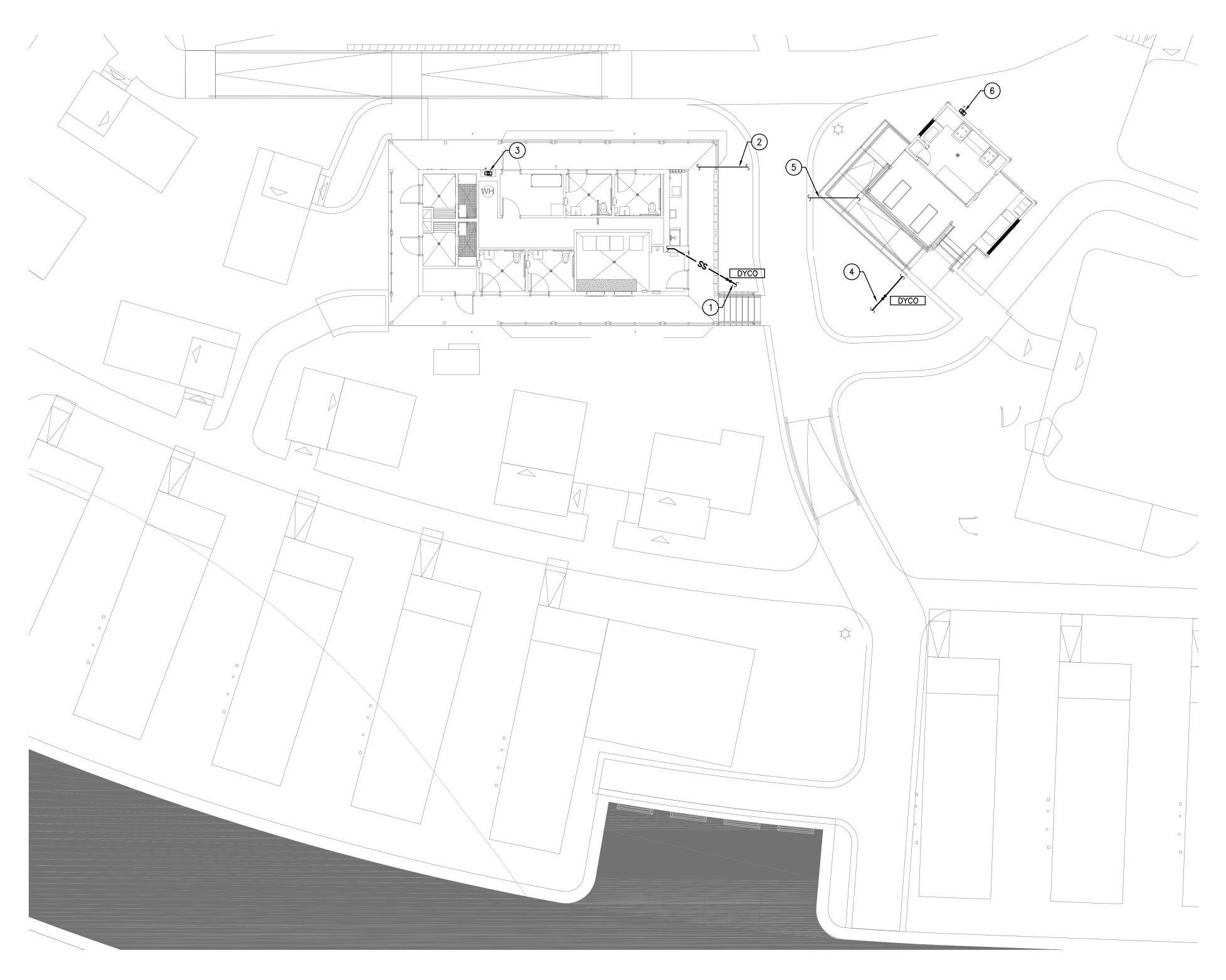
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PLUMBING SITE PLAN
- NEIGHBORHOOD 8

P101



O1 SITE PLAN - NEIGHBORHOOD 9 Scale: 1"=10'-0"

GENERAL NOTES:

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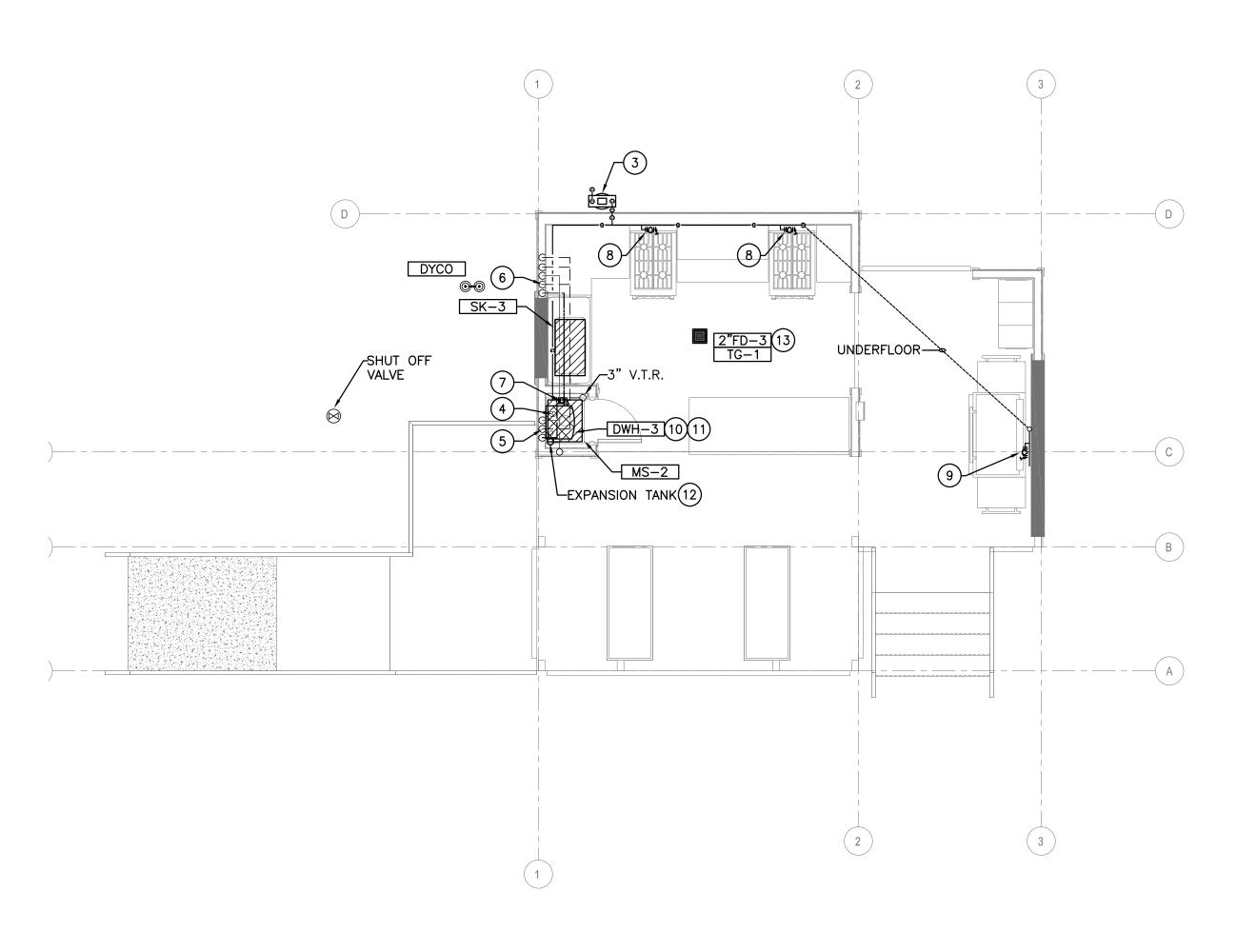
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Project Number: 24-093a

PLUMBING SITE PLAN -NEIGHBORHOOD 9



Q2 PLUMBING KITCHEN FLOOR PLAN Scale: 1/4" = 1' - 0"



1/2"G UNDERFLOOR

GENERAL NOTES:

- A. REFER TO PLUMBING COVER SHEET FOR SYMBOLS, ABBREVIATIONS, AND ADDITIONAL INFORMATION. READ THE SPECIFICATIONS AS LISTED ON PLUMBING COVER SHEET.
- B. INVERTS ARE APPROXIMATE AND ARE PROVIDED FOR COORDINATION AND INFORMATION. CONTRACTOR IS TO DETERMINE INVERT AND VERIFY THAT THEY ARE COORDINATED WITH OTHER TRADES.
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- E. PROVIDE STEEL NAIL PLATES NOT LESS THAN 18 GAUGE IN THICKNESS TO ALL PLASTIC AND COPPER PIPING PENETRATING FRAMING MEMBERS WITHIN 1-INCH OF THE EXPOSED FRAMING PER

ALL WATER PIPING IN EXPOSED, UNCONDITIONED AREAS SHALL BE HEAT TRACED, INSULATED AND JACKETED AS SPECIFIED. PROVIDE TIMER.

DRAWING KEYED NOTES:

SHUT OFF VALVE

- (1) 4" SANITARY SEWER. INV. EL.= 3'-6" B.F.G. REFER TO CIVIL DRAWINGS FOR CONTINUATION BEYOND 5-FT OUTSIDE BUILDING.
- 1" DOMESTIC WATER SERVICE. INV. EL.= 3'-0" B.F.G. REFER TO CIVIL DRAWINGS FOR CONTINUATION BEYOND 5-FT OUTSIDE BUILDING.

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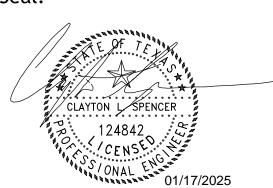
- 3 NEW GAS METER. GAS SERVICE PIPING BY TEXAS GAS SERVICE. COORDINATE EXACT LOCATION WITH ARCHITECT. (284,000 BTU'S)
- 4 VERTICAL VENT TERMINATION FROM WATER HEATER TROUGH ROOF OR PER MANUFACTURES RECOMMENDATION.
- 5 3/4" COLD WATER AND 3/4" HOT WATER DOWN TO MOP SINK, 3" SANITARY WASTE DOWN, 2" VENT UP.
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- 7 3/4" GAS STUB-OUT WITH SHUT-OFF VALVE AND UNION CONNECTION TO SERVE WATER HEATER. (199,900 BTU/H) PROVIDE IF NECESSARY PRESSURE REGULATOR.
- 8 1/2" GAS STUB-OUT WITH SHUT-OFF VALVE AND UNION CONNECTION TO RANGE. (23,000 BTU/H) PROVIDE IF NECESSARY PRESSURE
- 9 1/2" GAS STUB-OUT WITH SHUT-OFF VALVE AND UNION CONNECTION TO GRILL. (39,000 BTU/H) PROVIDE IF NECESSARY PRESSURE
- 10 MOUNT WATER HEATER ON BACK WALL WITH 60 INCH OF CLEARANCE FROM BOTTOM TO MOP SINK FOR ACCESSIBILITY.
- (11) ROUTE WATER HEATER RELIEF AND DRAIN INDEPENDENTLY TO MOP SINK (MS-2) PROVIDED, BELOW WATER HEATER. SIZE DRAINS PER EQUIPMENT MANUFACTURERS RECOMMENDATIONS PROVIDE MINIMUM 1" AIR GAP AT DRAIN DISCHARGE.
- MOUNT EXPANSION TANK ON SIDE WALL WITH 60 INCH OF CLEARANCE FROM BOTTOM TO MOP SINK FOR ACCESSIBILITY.
- (13) DRAIN TO BE LOCATED AT 1/4" BELOW FINISHED FLOOR.

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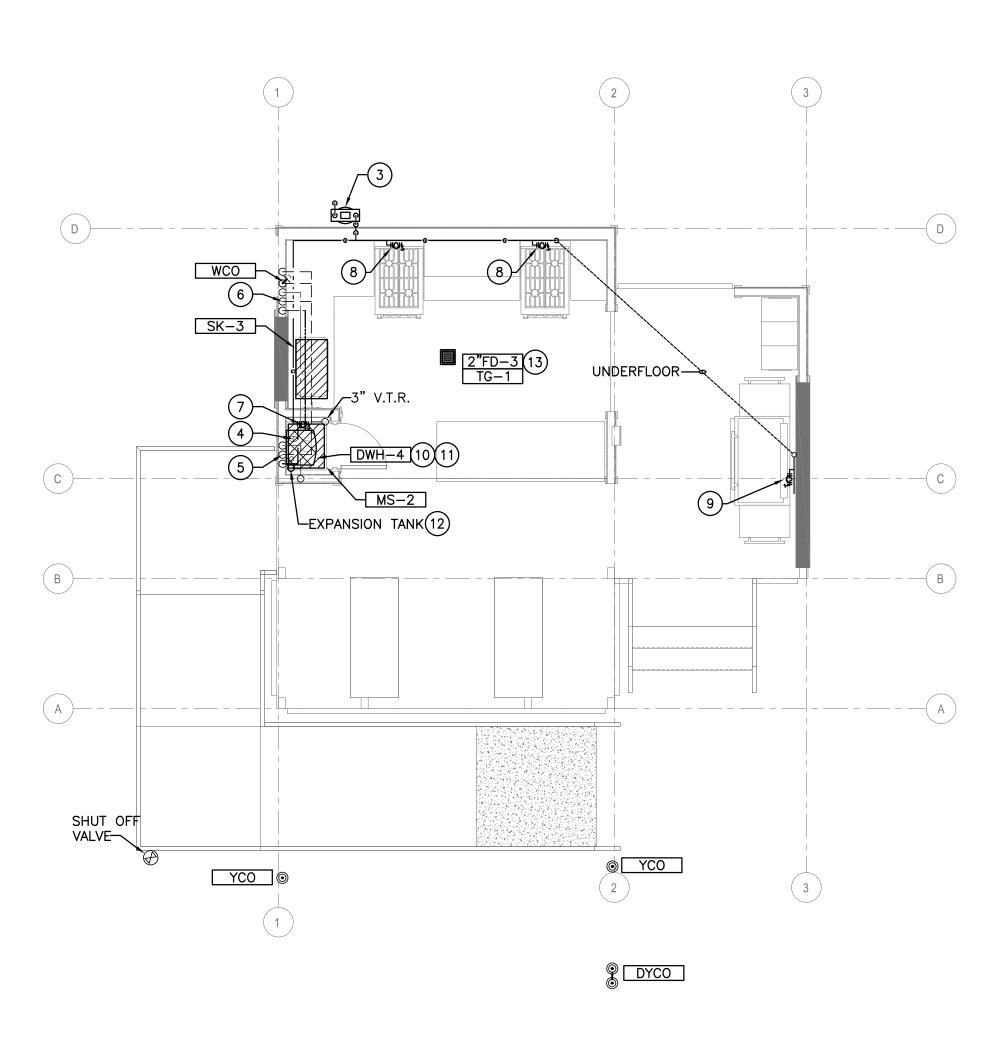


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01.15.25 ISSUE FOR CONSTRUCTION

Project Number: 24-093a

PLUMBING KITCHEN UNDERFLOOR PLAN AND FLOOR PLAN- NEIGHBORHOOD 8



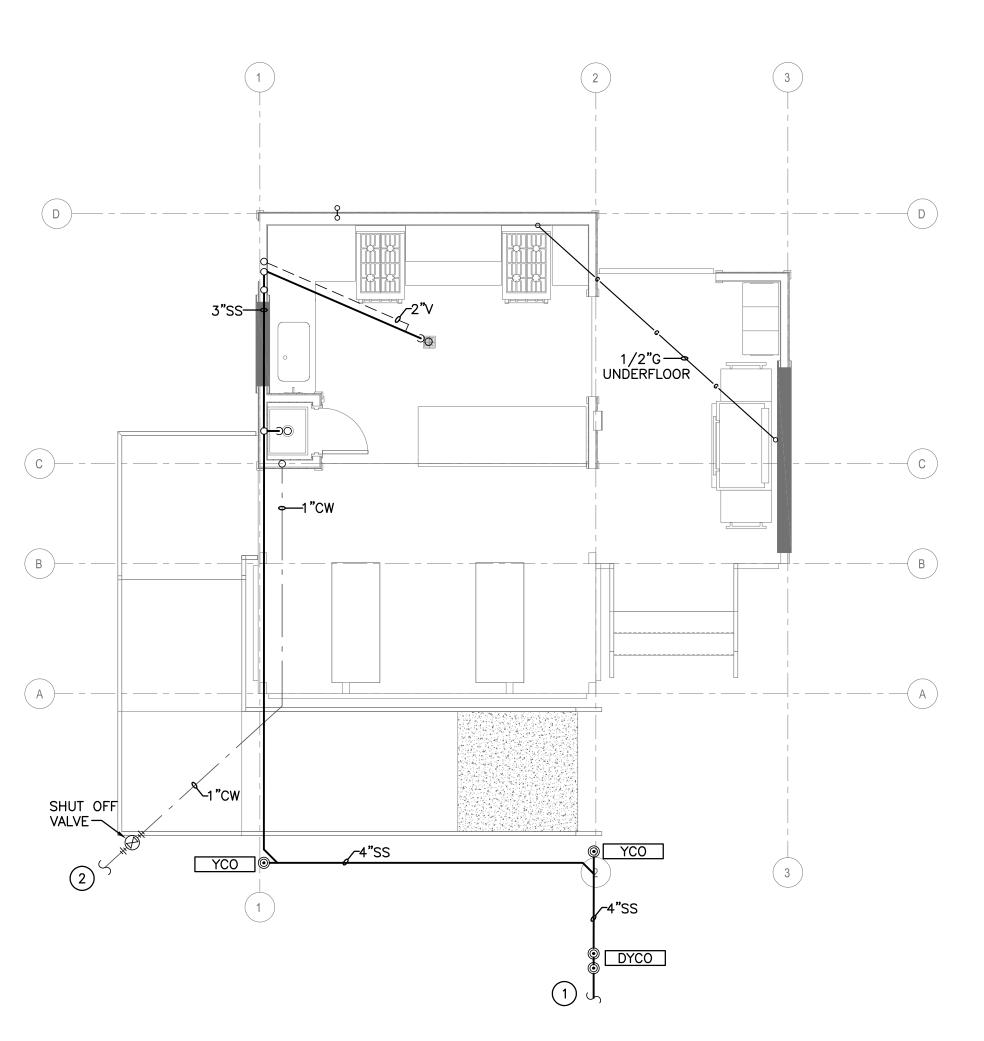
Q2 PLUMBING KITCHEN FLOOR PLAN Scale: 1/4" = 1' - 0"

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NOTE:

ALL WATER PIPING IN EXPOSED, UNCONDITIONED AREAS SHALL BE HEAT TRACED, INSULATED AND JACKETED AS SPECIFIED. PROVIDE TIMER.



PLUMBING KITCHEN UNDERFLOOR PLAN Scale: 1/4" = 1' - 0"

DRAWING KEYED NOTES:

- 1 4" SANITARY SEWER. INV. EL.= 3'-6" B.F.G. REFER TO CIVIL DRAWINGS FOR CONTINUATION BEYOND 5-FT OUTSIDE BUILDING.
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- (12) MOUNT EXPANSION TANK ON SIDE WALL WITH 60 INCH OF CLEARANCE FROM BOTTOM TO MOP SINK FOR ACCESSIBILITY.
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Project Number: 24-093a

PLUMBING KITCHEN
UNDERFLOOR PLAN AND FLOOR
PLAN- NEIGHBORHOOD 9

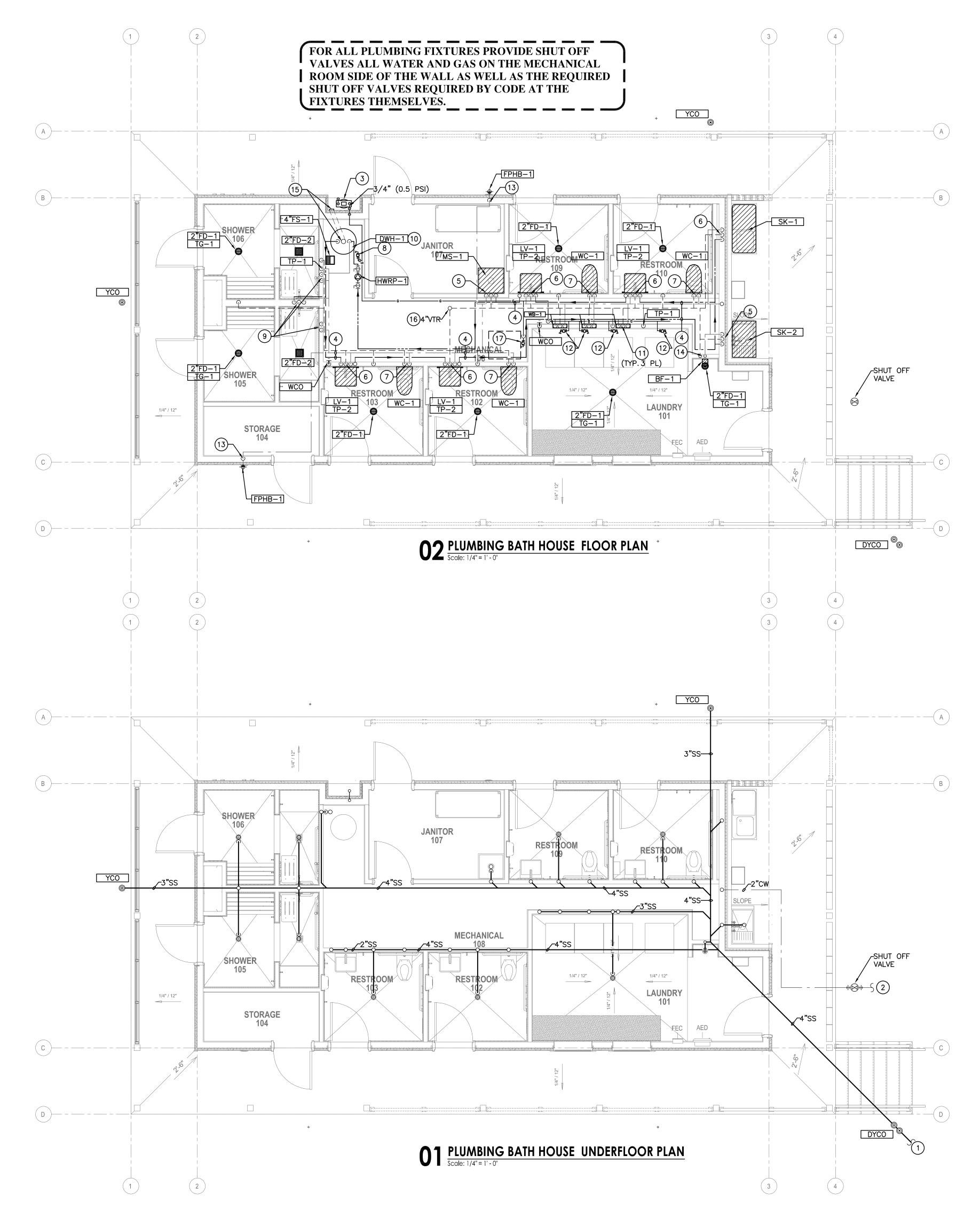
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- F. REFER TO THE UPC SECTION 707.4 FOR REQUIRED CLEANOUT LOCATIONS.

DRAWING KEYED NOTES:

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- 1/2" GAS STUB-OUT WITH SHUT-OFF VALVE AND UNION CONNECTION TO SERVE DRYER. (25,000 BTU/H) PROVIDE IF NECESSARY PRESSURE
- (13) 3/4" COLD WATER DOWN TO WALL HOSE BIBB (HB-1). COORDINATE EXACT LOCATION WITH ARCHITECT / OWNER. PROVIDE SHUT OFF VALVE AT ACCESSIBLE LOCATION.
- 1/2" COLD WATER TO JUG FILLER. RUN DRAIN LINE DOWN TO FLOOR DRAIN.
- GAS WATER HEATER CONCENTRIC VENT PIPING UP THROUGH WALL. COORDINATE EXACT LOCATION. VERIFY IF CAP IS REQUIRED.
- (16) VERIFY LOCATION OF VTR (VENT THRU ROOF WITH MECHANICAL EQUIPMENT BEFORE INSTALLATION.
- 17) 3/4" GAS STUB-OUT WITH SHUT-OFF VALVE AND UNION CONNECTION TO SERVE FCU-1 (110,00 BTU/H) PROVIDE IF NECESSARY PRESSURE REGULATOR.

NOTE:
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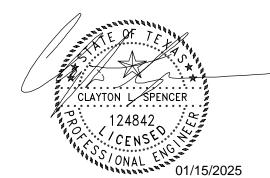
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Issue

on.15.25 ISSUE FOR

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PLUMBING BATH HOUSE
UNDERFLOOR PLAN AND FLOOR
PLAN- NEIGHBORHOOD 8

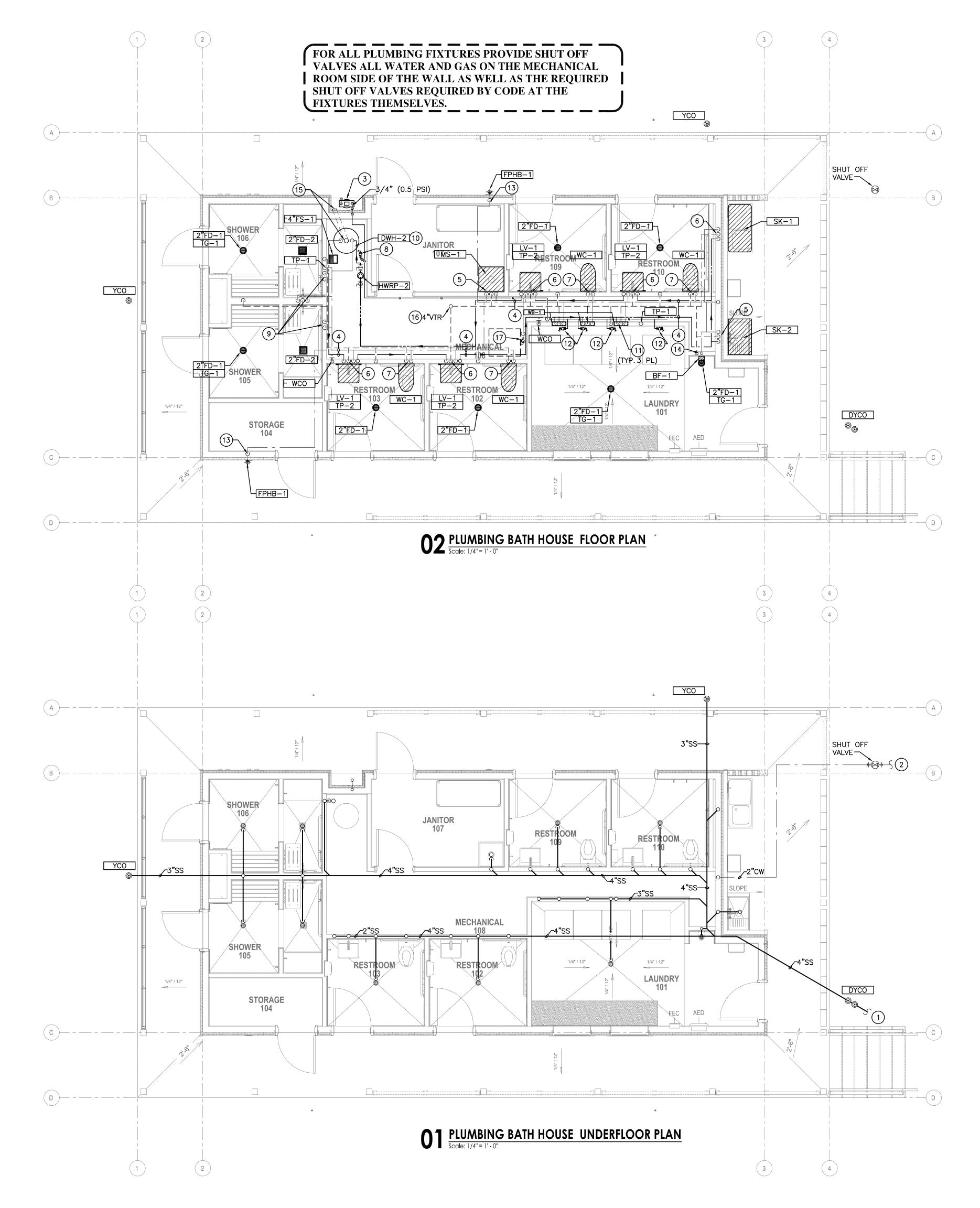
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- 11) 1/2" COLD WATER AND 1/2" HOT WATER DOWN TO WASHING MACHINE, 3" SANITARY WASTE DOWN, 2" VENT UP.
- 1/2" GAS STUB-OUT WITH SHUT-OFF VALVE AND UNION CONNECTION TO SERVE DRYER. (25,000 BTU/H) PROVIDE IF NECESSARY PRESSURE
- (13) 3/4" COLD WATER DOWN TO WALL HOSE BIBB (HB-1). COORDINATE EXACT LOCATION WITH ARCHITECT / OWNER. PROVIDE SHUT OFF VALVE AT ACCESSIBLE LOCATION.
- 14) 1/2" COLD WATER TO JUG FILLER. RUN DRAIN LINE DOWN TO FLOOR DRAIN.
- GAS WATER HEATER CONCENTRIC VENT PIPING UP THROUGH WALL. COORDINATE EXACT LOCATION. VERIFY IF CAP IS REQUIRED.
- (16) VERIFY LOCATION OF VTR (VENT THRU ROOF WITH MECHANICAL EQUIPMENT BEFORE INSTALLATION.
- (17) 3/4" GAS STUB-OUT WITH SHUT-OFF VALVE AND UNION CONNECTION TO SERVE FCU-1 (110,00 BTU/H) PROVIDE IF NECESSARY PRESSURE REGULATOR.

NOTE:
ALL WATER PIPING IN EXPOSED, UNCONDITIONED
AREAS SHALL BE HEAT TRACED, INSULATED AND
JACKETED AS SPECIFIED. PROVIDE TIMER.

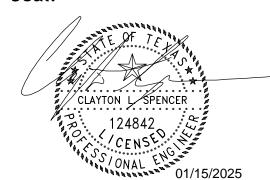


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PLAN NORTH

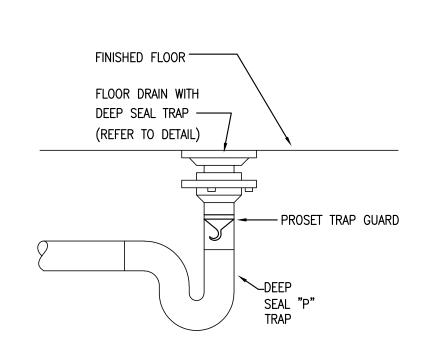
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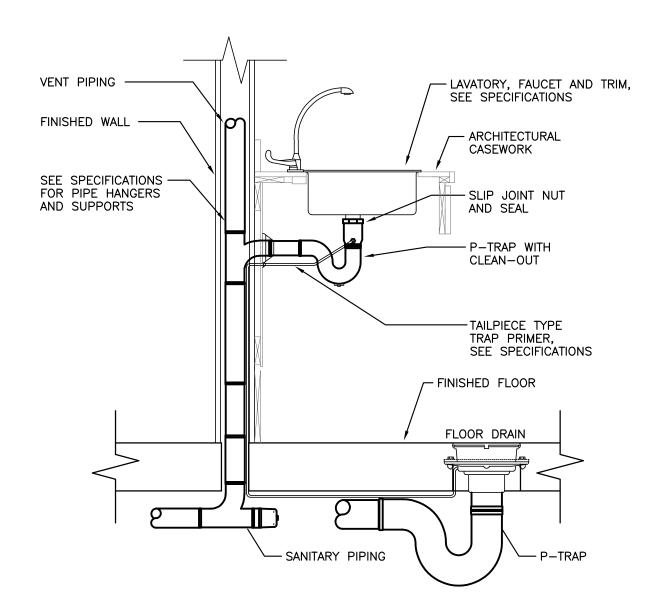
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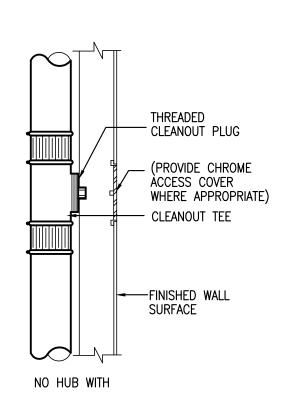
PLUMBING BATH HOUSE
UNDERFLOOR PLAN AND FLOOR
PLAN- NEIGHBORHOOD 9



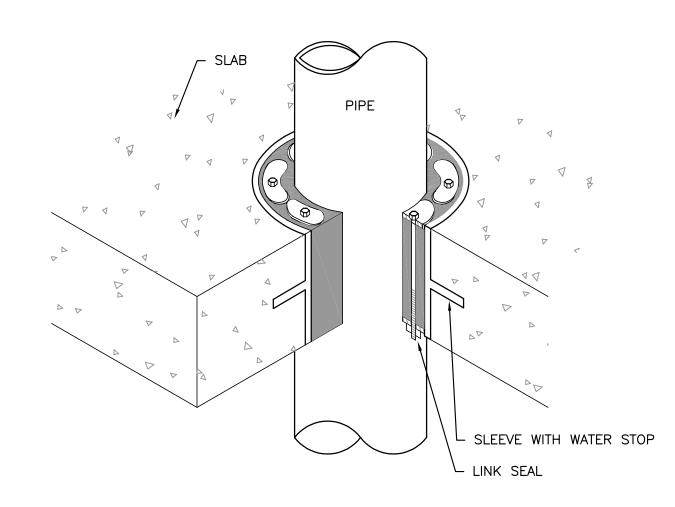
8 TRAP GUARD DETAIL
SCALE: NONE



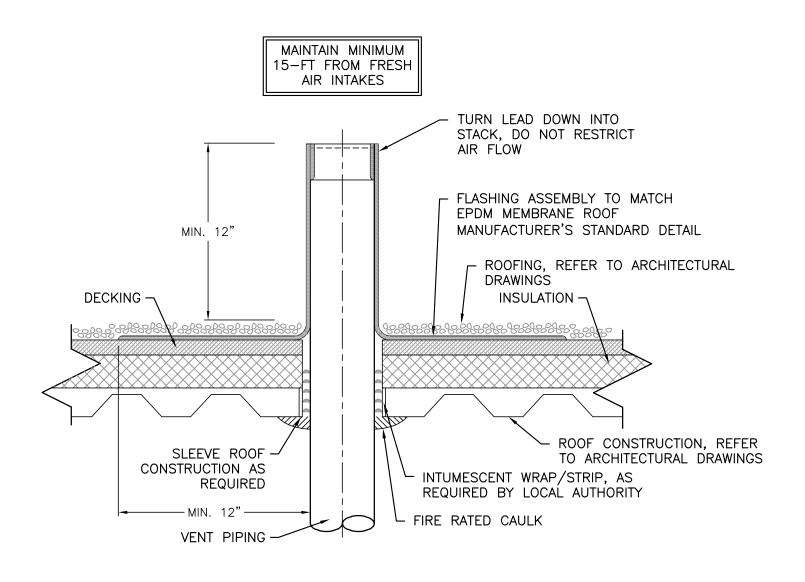
5 TRAP PRIMER AT LAVATORY DETAIL
SCALE: NONE



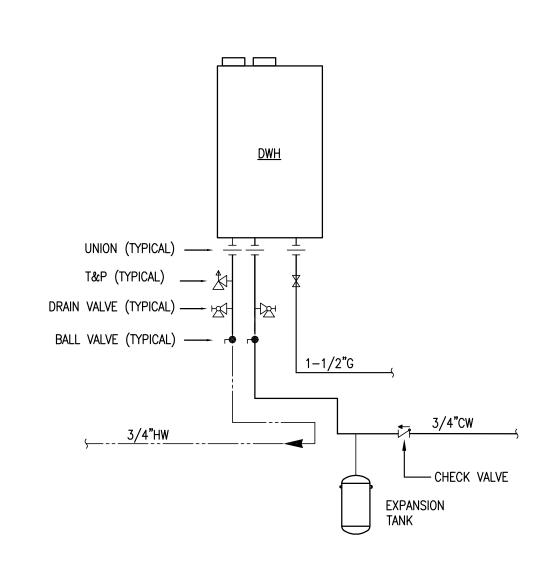
3 WALL CLEANOUT DETAIL
NOT TO SCALE



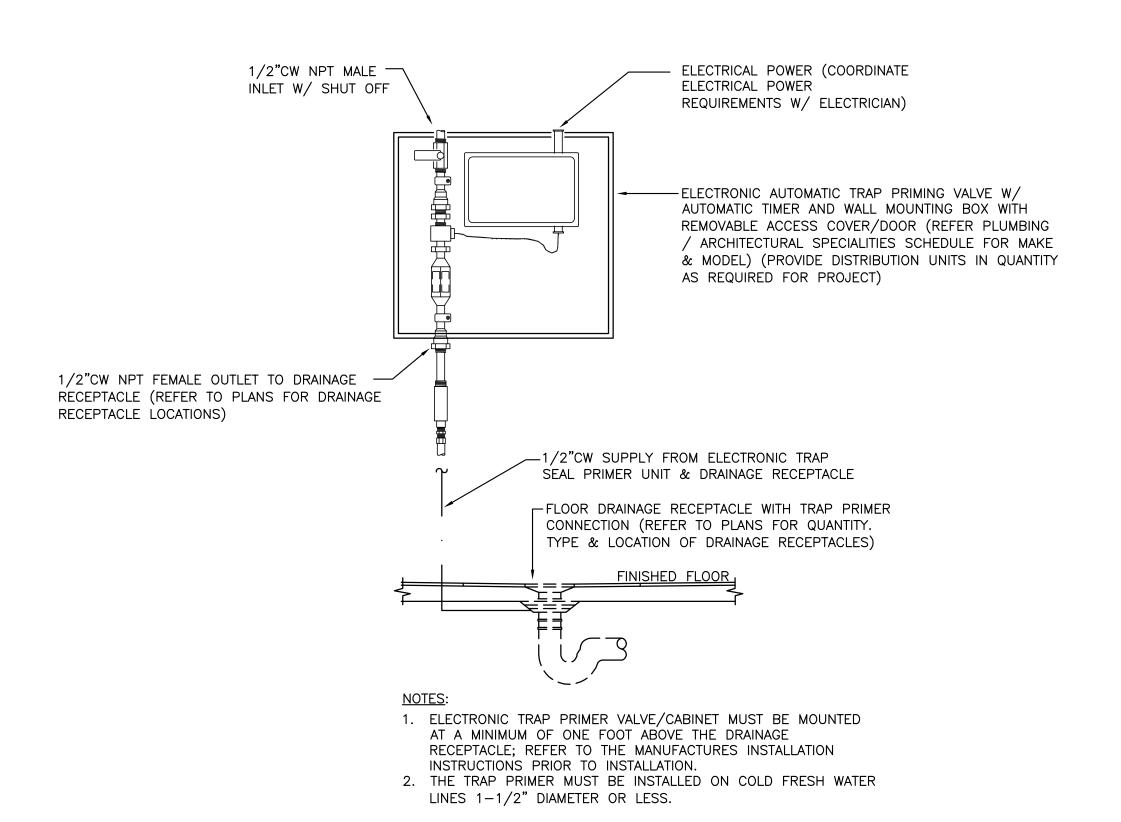
7 TYPICAL WATER TIGHT SLEEVE DETAIL
SCALE: NONE



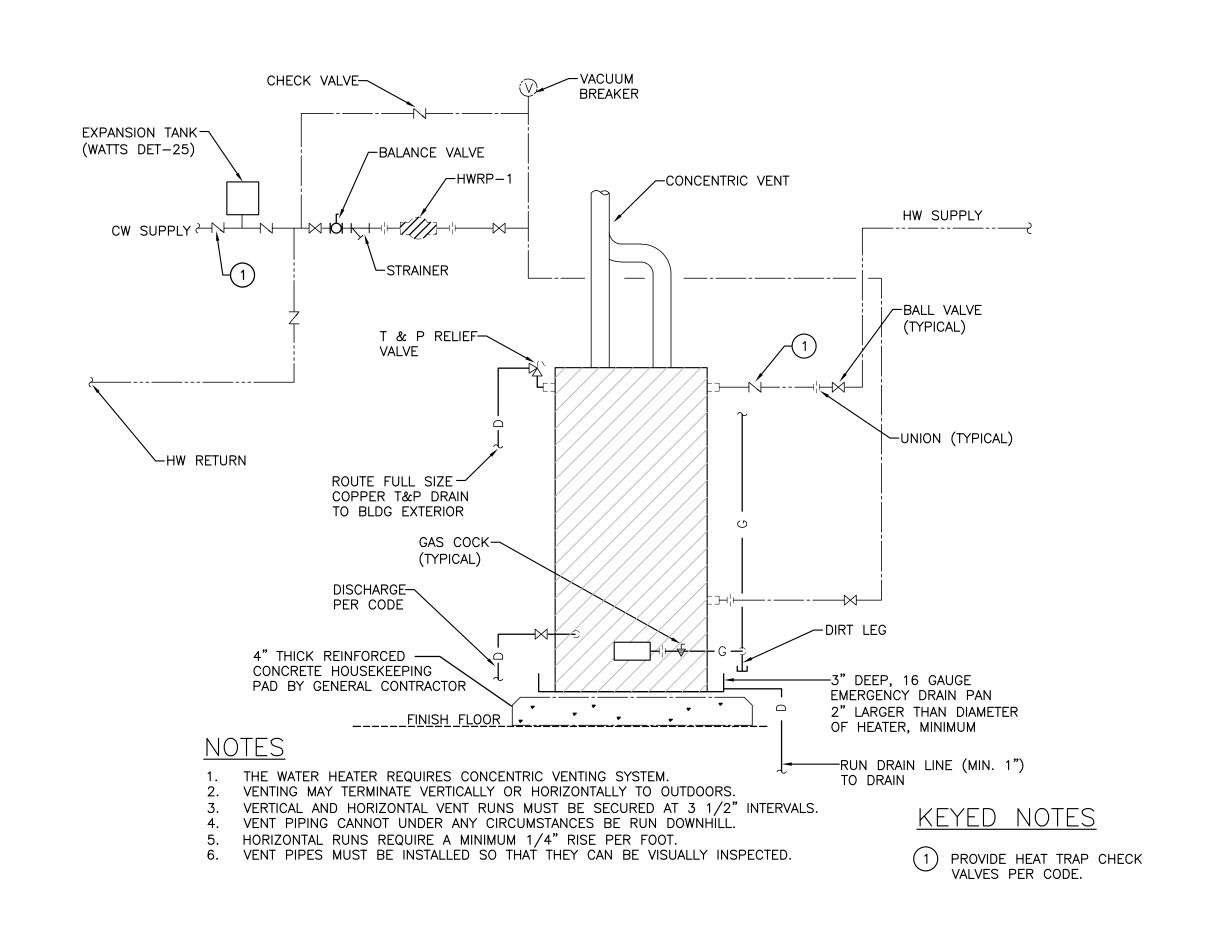
4 VENT THRU ROOF DETAIL
SCALE: NONE



INSTANTANEOUS WATER HEATER DETAIL SCALE: NONE



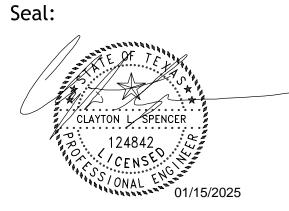
6 ELECTRONIC TRAP PRIMER PIPING DETAIL SCALE: NONE



1 GAS WATER HEATER WITH EXPANSION TANK AND PUMP DETAIL NOT TO SCALE



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01.15.25

ISSUE FOR CONSTRUCTION

Project Number: 24-093a

PLUMBING **DETAILS**

T	DECODE:	MOUNTING		PLUMBING FIXTURE SCHEDULE	45	BRANC	H CONNEC	TION SIZE U	JNLESS	P-TRAP	ELFC
TAG	DESCRIPTION	TYPE	MANUFACTURER HAWS	SPECIFICATION LEAD-FREE WATERWAYS, SATIN STAINLESS STEEL CONSTRUCTION, 1 GPM LAMINAR FLOW, PUSH-BUTTON	ADA	CW	HW	SE NOTED SAN	VENT	SIZE	REQ
BF-1	BOTTLE FILLER	WALL	MODEL 1922	OPERATED STAINLESS STEEL VALVE WITH FRONT-ACCESSIBLE CARTRIDGE AND FLOW ADJUSTMENT, DRIP TRAY DRAIN, AND STAINLESS STEEL BACK PANELS. EXTRA-HEAVY, DOUBLE-FLANGED, CAST-IRON FERRULE, COMPLETELY FREE OF PIPING SO THAT NO	ADA	1/2"	_	2"	_	_	N
DYCO YCO	DOUBLE YARD CLEANOUT	_	SMITH S4237	LOAD IS TRANSMITTED TO PIPE. CONCRETE: HEAVY—DUTY ROUND TOP WITH SCORIATED COVER AND LIFTING DEVICE, SET IN FINISHED CONCRETE. POURED AT SURFACE USING HIGH FLANGE. NON—SURFACED AND ASPHALT: HEAVY—DUTY ROUND TOP WITH SCORIATED COVER AND LIFTING DEVICE, SET IN 6—IN THICK CONCRETE PAD, 24 X 24—IN SQUARE. POURED BELOW SURFACE USING LOW FLANGE. NICKEL BRONZE FINISH.	_	_	_	SEE PLANS	_	_	N
-D-1	FLOOR DRAIN	FLOOR	SMITH 2005-A SERIES	CAST IRON BODY, 6 INCH ROUND ADJUSTABLE NICKEL BRONZE STRAINER, FLASHING COLLAR WITH SEEPAGE OPENINGS, TAPPED FOR STRAINER HEAD, 1/2 TRAP PRIMER CONNECTION.	_	_	_	SEE PLAN	2"	SEE PLAN	N
D-2	FLOOR DRAIN	FLOOR	SIOUX CHIEF 833 SERIES	FINISHLINE 2" SCH. 40 HUB ADJUSTABLE FLASHING 6" DRAIN WITH SQUARE NICKEL-BRONZE RING AND STRAINER.	_	_	_	SEE PLAN	2"	SEE PLAN	N
D-3	FLOOR DRAIN	FLOOR	JAY R SMITH DX2312	WITH 8 1/2" (215) ROUND ADJUSTABLE TOPS, WIDE FLANGE DECK DRAIN WITH ADJUSTABLE LIP DIMENSION	_	_	_	SEE PLAN	2"	SEE PLAN	N
PHB-1	WALL HYDRANT	WALL	SMITH 5509QT SERIES	SINGLE TEMPERATURE WALL HYDRANT, RECESSED BOX, AUTOMATIC DRAINING, NON-FREEZING, VACUUM BREAKER, TEE KEY OPERATOR.	_	3/4"	_	_	_	_	N
-S-1	FLOOR SINK	FLOOR	SMITH 3020 SERIES	8-1/2 X 3-INCH DEPTH RECEPTOR, ACID-RESISTANT ENAMELED, ALUMINUM DOME STRAINER, RIM WITH 1/2 GRATE, TRAP-PRIMER CONNECTION.	_	_	_	SEE PLAN	2"	SEE PLAN	N
LV-1	LAVATORY	_	KOHLER K-1999-SS1	KOHLER BRENHAM WALL-MOUNT BATHROOM LAVATORY WITH SHROUD, ADA, SINGLE FAUCET HOLE, OVAL BASIN, OVERFLOW DRAIN, INCLUDES WALL HANGER. FAUCET: KOHLER TAUT® K-46028-4 SINGLE-HOLE COMMERCIAL FAUCET, 3-15/16"SPOUT REACH, 0.5 GPM MAXIMUM FLOW RATE, WATER-SAVING VANDAL-RESISTANT AERATOR, SINGLE LEVER HANDLE ALLOWS FOR BOTH ON/OFF ACTIVATION AND TEMPERATURE SETTING, HIGH-TEMPERATURE LIMIT SETTING FOR ADDED SAFETY. SUPPLY: MCGUIRE LFBV2165 SERIES. LOOSE KEY WITH RISER. TRAP: MCGUIRE 8902 SERIES. CAST BODY WITH CLEAN-OUT. STRAINER AND TAILPIECE: MCGUIRE 155WC OFFSET TAILPIECE, OPEN GRID STRAINER. CARRIER: SMITH 0700. PROTECTIVE PIPE COVERS: TRUEBRO OR EQUAL. REFER TO ARCHITECTS DRAWINGS		1/2"	1/2"		1-1/2*	1-1/4"	N
MS-1	MOP SINK	FLOOR	MTB-2424	FOR EXACT LOCATION. 24 X 24-IN, ONE-PIECE, TERRAZZO, 3-IN BRASS OR STAINLESS-STEEL DRAIN BODY, STAINLESS-STEEL GRID STRAINER, STAINLESS-STEEL CAPS ON DROP FRONT THRESHOLD. FAUCET: STERN WILLIAMS T-15-VB SERIES, POLISHED CHROME FINISH, FLOW RATE IS 2.5 GPM AT 60 PSI, VACUUM BREAKER APPROVED TO ASSE 1001, INTEGRAL BACKFLOW CHECK VALVES, 3/4" HOSE THREAD ON SPOUT WITH BUCKET HOOKS 8" ON CENTER, INTEGRAL STOPS. STAINLESS STEEL BACKSPLASH PANELS, RIM GUARD.	_	3/4"	3/4"	3"	2"	3"	N
MS-2	MOP SINK	FLOOR	ELKAY FLR—1X	STAINLESS STEEL 24" X 20" X 11-1/4" 16 GAUGE MOP SINK, STAINLESS STEEL 24" X 20" X 11-1/4" 16 GAUGE MOP SINK. SINK IS MANUFACTURED FROM 16 GAUGE 304 STAINLESS STEEL WITH A #4 FINISH, CENTER DRAIN PLACEMENT. FAUCET: STERN WILLIAMS T-15-VB SERIES, POLISHED CHROME FINISH, FLOW RATE IS 2.5 GPM AT 60 PSI, VACUUM BREAKER APPROVED TO ASSE 1001, INTEGRAL BACKFLOW CHECK VALVES, 3/4" HOSE THREAD ON SPOUT WITH BUCKET HOOKS 8" ON CENTER, INTEGRAL STOPS. STAINLESS STEEL BACKSPLASH PANELS, RIM GUARD.	_	3/4"	3/4"	3"	2"	3"	N
SH-1	SHOWER	_	CUSTOM	SHOWER STALL: TILED SHOWER STALL BY GENERAL CONTRACTOR. VALVE BODY: MOEN T8375EP15 COMMERCIAL CHROME POSI—TEMP® ALL—METAL TRIM KITS, METAL AND BRASS CONSTRUCTION WITH CHROME PLATED OR CLASSIC BRUSHED NICKEL (CBN) FINISH, SHOWER ARM HAS 1/2" IPS MALE THREADS, SUPPLIED WITH VANDAL RESISTANT SCREWS. OPERATION: LEVER STYLE HANDLE WITH TEMPERATURE INDICATORS ON THE ESCUTCHEON, ADJUSTABLE TEMPERATURE LIMIT STOP TO RESTRICT THE HANDLE TRAVEL IN THE HOT DIRECTION, PRESSURE BALANCING MECHANISM MAINTAINS SELECTED DISCHARGE TEMPERATURE TO ± 2°. FLOW: T8375EP15 (1.5 GPM) — CHROME FINISH, WATERSENSE® CERTIFIED TRANSFER VALVE: MOEN T8360 COMMERCIAL CHROME TRANSFER ALL—METAL TRIM KIT, ADA COMPLIANT OPERATION, METAL AND BRASS CONSTRUCTION WITH CHROME PLATED OR CLASSIC BRUSHED NICKEL (CBN) FINISH, INLETS AND OUTLETS ON SAME PLANE, SUPPLIED WITH VANDAL RESISTANT SCREWS OPERATION, LEVER STYLE HANDLE WITH FUNCTION INDICATORS ON THE ESCUTCHEON, DETENTS AT EACH	ADA	1/2"	1/2"	2"	1-1/2*	2"	N
				FLOW POSITION, ROTARY 360° HANDLE OPERATION, VALVE OPERATES 3 DISTINCT FUNCTIONS BUT CAN BE PLUMBED FOR 2 DISTINCT FUNCTIONS. HANDHELD SHOWER: MOEN 52748EP15 COMMERCIAL CHROME HANDHELD SHOWER, HANDHELD SHOWER, 72" DOUBLE INTERLOCK SPIRAL HOSE (METAL). OPERATION: SINGLE FUNCTION, HANDSHOWER HOLDER ROTATES TO ADJUST ANGLE OF HANDSHOWER FLOW, 1.5 GPM. THIRD PARTY CERTIFIED TO WATERSENSE®, ASME A112.18.1/CSA B125.1, AND ASSE 1014 AND ALL APPLICABLE SPECIFICATIONS REFERENCED THEREIN BACKFLOW PREVENTION COMPLIANCE THROUGH ASME A112.18.3. SHOWER STALL: TILED SHOWER STALL BY GENERAL CONTRACTOR.							
6H—1A	SHOWER (ALTERNATE)	_	CUSTOM	TRIM: -S262 SERIES TEMPTROL SHOWER VALVE WITH TRM MODIFIER IDENTITY SHOWER/HAND SHOWER TRIM. REQUIRES TEMPTROL® PRESSURE BALANCING SHOWER VALVE. INTEGRAL DIVERTER CONTROL. METAL LEVER HANDLE. CRADLE FOR HAND SHOWER WAND. 60" FLEXIBLE METAL HOSE. SINGLE MODE HAND SHOWER WITH NPSO. DUAL CHECKS FOR BACKFLOW PROTECTION. SINGLE MODE SHOWERHEAD. STANDARD 2.0 GPM FLOW RESTRICTORS. COMPONENTS SHALL BE METAL AND NONMETAL CONSTRUCTION, PLATED IN STANDARD POLISHED CHROME FINISH. ADA. MIXING VALVE: SYMMONS TEMPTROL BODY MODEL S262XCHKSBODY TEMPTROL PRESSURE BALANCING	ADA	1/2"	1/2"	2"	1-1/2'	2"	N
				SHOWER VALVE BODY ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN. DIVERTER BODY, 3 PORT, CPV MODEL 2DIVBODYSRT							
SK-1	SINK	FLOOR	ULINE H-9652R	STAINLESS STEEL WORKTABLE WITH SINK — 48 X 30", RIGHT. ALL STAINLESS STEEL CONSTRUCTION. TYPE 304 TOP WITH 4" BACKSPLASH TO PROTECT WALL FROM SPLASHES. 16 X 18" SINK WITH SWIVEL FAUCET. 12" DEEP. CONNECTS EASILY TO STANDARD PLUMBING. 35" TABLE HEIGHT. 1 5/8" DIAMETER STEEL TUBE LEGS. ADJUSTABLE BOTTOM SHELF. INCLUDES LEVELING FEET. SUPPLY: MCGUIRE 2167 SERIES. STRAINER AND TAILPIECE: MCGUIRE 151 SERIES. TRAP: MCGUIRE 8912 SERIES. PROVIDE P—TRAP AND WATER SUPPLY INSULATION KIT (TRUBRO OR EQUAL).	ADA	1/2"	1/2"	2"	1-1/2"	1-1/4"	N
SK-2	SINK	FLOOR	ELKAY EFS3321C	STAINLESS STEEL 33" X 21" X 8" SINGLE BOWL FLOOR MOUNT SERVICE SINK PACKAGE. SINK IS MANUFACTURED FROM 16 GAUGE 304 STAINLESS STEEL WITH A BUFFED SATIN FINISH, CENTER DRAIN PLACEMENT, AND FULL SPRAY SIDES AND BOTTOM WITH BOTTOM ONLY PADS. PROVIDE ELKAY EFSBP33 STAINLESS STEEL 33" X 12" X 1/2" SERVICE SINK PANEL. OVERALL DIMENSIONS ARE 33" X 12" X 1/2". MADE OF 304 STAINLESS STEEL. DRAIN: ELKAY MODEL LK43. FAUCET: MATCO CL—340C SERVICE SINK FAUCET LEAD FREE BRASS*, WALL BRACKET, WITH INTEGRAL STOPS, HEAVY DUTY CAST BRASS, CUPC APPROVED, VACUUM BREAKER & BUCKET HOOK, THREAD ON SPOUT, 2.5 GPM MAXIMUM FLOW RATE.	ADA	1/2"	1/2"	2"	1-1/2"	1-1/4"	N
SK-3	SINK	_	BY GENERAL CONTRACTOR.	SUPPLY: MCGUIRE LFBV2165 SERIES. LOOSE KEY WITH RISER. TRAP: MCGUIRE 8902 SERIES. CAST BODY WITH CLEAN-OUT. STRAINER AND TAILPIECE: MCGUIRE 155WC OFFSET TAILPIECE, OPEN GRID STRAINER. CARRIER: SMITH 0700. PROTECTIVE PIPE COVERS: TRUEBRO OR EQUAL. REFER TO ARCHITECTS DRAWINGS FOR EXACT LOCATION.	ADA	1/2"	1/2"	2"	1-1/2"	1-1/4"	N
TG-1	TRAP GUARD	_	RECTORSEAL SURESEAL SERIES	WATERLESS INLINE FLOOR DRAIN TRAP SEALER, HDPE HOUSING WITH HEAVY DUTY SILICONE DIAPHRAGM AND SOFT EPDM RUBBER SEALING GASKET. SHALL BE IAPMO APPROVED, ASSE-1072 CERTIFIED, ASME	_	_	_	_	_	_	N
TP-1	TRAP	_	PPP	A112.6.3 COMPLIANT. SMART-PRIME ELECTRONIC TRAP PRIMING MANIFOLD, 1/2" MALE NPT INLET, 1/2" FEMALE NPT OUTLET.	_	1/2"	_	_	_	_	Y
 ГР-2	PRIMER TRAP	_	SMITH	115 VOLT. PROVIDE DISTRIBUTION UNITS AS REQUIRED. CHROME PLATED CAST BRASS P-TRAP, TAILPIECE TYPE TRAP PRIMER, 1/2-IN PRIMER TUBE WITH	_	1/2"	_	_	_	_	N
VB-1	PRIMER WALL BOX (WASHER)	WALL	2698 SERIES IPS "MWB"	COMPRESSION FITTING, THREADED JOINT ELBOW CONNECTOR, AND ESCUTCHEONS. WATER-TITE SERIES, METAL WASHING MACHINE OUTLET BOX, 20 GUAGE STEEL BOX WITH 1/4 TURN HOT AND COLD WATER ANGLE STOPS, 2" DRAIN CONNECTION, LIP GUARD TO PREVENT OVERFLOW, MOUNTING FLANGES ON TOP AND SIDES OF BOX, FULLY PAINTABLE	_	1/2"	_	_	_	_	N
WC-1	WATER CLOSET	WALL	AMERICAN STANDARD AFWALL 3351.101.020	VITREOUS CHINA, ELONGATED RIM, SIPHON JET ACTION, 1–1/2–IN TOP SPUD, 1.28 GAL PER FLUSH, BOLT CAPS, INTEGRAL TRAP. FLUSH VALVE: AMERICAN STANDARD 6047.121.002 MANUAL DIAPHRAGM FLUSH VALVE. SEAT: AMERICAN STANDARD 5901.100.020, OPEN-FRONT SEAT WITHOUT COVER. CARRIER: JR SMITH OR EQUAL. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND ORIENTATION. MOUNT 17" TO RIM.	ADA	1"	_	4"	2"	_	N
wco	WALL CLEANOUT	WALL	_	TAPPED CLEANOUT TEE, EXTRA—HEAVY, THREADED, SOLID HEXAGONAL NUT. CLEANOUTS IN HUBS OF COMBINATION WYE AND 1/8—BENDS OR WYES: TAPPED SPIGOT. CLEANOUTS AT ENDS OF HUBLESS COMBINATION WYE AND 1/8—BENDS OR WYES: BLIND PLUG. COVERS OVER CLEANOUTS IN CONCEALED VERTICAL PIPING (ALL AREAS, FINISHED AND UNFINISHED): SQUARE FRAME WITH SECURED, SMOOTH, SATIN NICKEL BRONZE ACCESS COVER. OPENING SIZES: 4—IN AND SMALLER PIPING: 6 X 6—IN. LARGER THAN 4—IN PIPING: 8 X 8—IN. CERAMIC TILE, QUARRY TILE, STONE, RESILIENT TILE, AND SHEET: FACE FLANGE TO HIDE ROUGH WALL OPENING. SMITH 4430 SERIES. TERRAZZO AND CONCRETE (FINISHED AREAS): PLASTER GROUND FLANGE AND FLUSH—WITH—WALL FRAME. SMITH 4431 SERIES	_	_	_	_	_	_	N

	DOMESTIC WATER HEATER (GAS) SCHEDULE											
MADIZ	CEDVEC	LOCATION	STORAGE	RECOVERY DATA GAS DATA ELECTRICAL DATA					CAL DATA	MANUEACTURED AND MODEL NUMBER		
MARK	SERVES		CALLONS	GALS/HOUR	TEMP. RISE 'F	MBH INPUT AT 1/2 PSI		KW	VOLTS	MANUFACTURER AND MODEL NUMBER		
DWH-1	BATH HOUSE NEIGHBORHOOD 8	MECHANICAL 108	100	235	100°	199	97%	_	120	BRADFORD WHITE EF-100T-199E-3N		
DWH-2	BATH HOUSE NEIGHBORHOOD 9	MECHANICAL 108	100	235	100°	199	97%	_	120	BRADFORD WHITE EF-100T-199E-3N		

PROVIDE QTY. 1 PER WATER HEATER — EXPANSION TANK <u>ET-1</u>, AMTROL THERM-X-TROL #ST-30VC-DD, 16.5 GALLON, 3/4" CONNECTION, PRECHARGED THERMAL EXPANSION ABSORBER, 150 PSI WORKING PRESSURE, SEAMLESS BLADDER, 240 DEGREE F. MAX WORKING TEMPERATURE. ADD OR REDUCE AIR PRESSURE IN BLADDER UPON STARTUP AS RECOMMENDED BY MANUFACTURER.

- 2. UNIT SHALL COMPLY WITH THE STATE OF TEXAS LOW-NOX REQUIREMENTS AS REQUIRED.
- 3. ALL PLUMBING SUPPLIES, VALVES AND ASSOCIATED APPURTENANCES SHALL BE INSTALLED.
- 4. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECTURAL.
- 5. COORDINATE POWER DISCONNECT LOCATION WITH ELECTRICAL AND ARCHITECTURAL.
- 6. HEATER INSTALLATIONS SHALL MEET OR EXCEED ALL CODE REQUIREMENTS, LOCAL AMENDMENTS AND MANUFACTURERS RECOMMENDATIONS AND
- 7. PROVIDE WITH MANUFACTURES CONCENTRIC VENT KIT.
- 8. PROVIDE WITH MANUFACTURES CONDENSATE NEUTRALIZATION KIT P/N A2123601 (125,000 250,000 BTU/HR.).
- 9. PROVIDE WITH MANUFACTURES OPTIONAL LEAK DETECTION KIT.

	PUMP SCHEDULE											
MARK	SERVICE	SERVICE TYPE		DESIGN HEAD	ELECTRICAL DATA				MANUFACTURER AND MODEL			
	SERVICE	TIFE	GPM	FT. WG	HP	RPM	VOLTS	PH	NUMBER			
HWRP-1	HOT WATER CIRC.	CENTRIFUGAL	3	5	1/40	3250	120	1	TACO 006B			
HWRP-2	HOT WATER CIRC.	CENTRIFUGAL	3	5	1/40	3250	120	1	TACO 006B			

1. PROVIDE HWRP-1 WITH 24-HR, 7-DAY TIMER CONTROLLER. INSTALL AQUASTAT ON RETURN ADJACENT TO LAST FIXTURE TAP.

	DOMESTIC TANKLESS WATER HEATER (GAS) SCHEDULE											
MARK	CEDVEC		STORAGE	RECOVERY DATA		GAS DATA		ELECTRICAL DATA		MANUELOTURED AND MOREL NUMBER		
	SERVES			GALS/HOUR	TEMP. RISE *F	MBH INPUT AT 1/2 PSI	UNIFORM ENERGY FACTOR	KW	VOLTS	MANUFACTURER AND MODEL NUMBER		
DWH-3	KITCHEN NEIGHBORHOOD 8	ABOVE MOP SINK	_	6.5(GPM)	60	199	0.95	_	120	BRADFORD WHITE INFINITI RTGS199N1		
DWH-4	KITCHEN NEIGHBORHOOD 9	ABOVE MOP SINK	_	6.5(GPM)	60	199	0.95	-	120	BRADFORD WHITE INFINITI RTGS199N1		

1. PROVIDE QTY. 1 - AMTROL EXTROL ST-10-C SERIES PRE-CHARGED THERMAL EXPANSION ABSORBER FOR EACH WATER HEATER, 150 PSI WORKING PRESSURE, SEAMLESS BLADDER, 240 DEGREE F. MAX WORKING TEMPERATURE. ADD OR REDUCE AIR PRESSURE IN BLADDER UPON STARTUP AS RECOMMENDED BY MANUFACTURER.

- 2. UNIT SHALL COMPLY WITH THE STATE OF TEXAS LOW-NOx REQUIREMENTS.
- 3. ALL PLUMBING SUPPLIES, VALVES AND ASSOCIATED APPURTENANCES SHALL BE INSTALLED.
- 4. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECTURAL.
- 5. COORDINATE POWER DISCONNECT LOCATION WITH ELECTRICAL AND ARCHITECTURAL. 6. HEATER INSTALLATIONS SHALL MEET OR EXCEED ALL CODE REQUIREMENTS, LOCAL AMENDMENTS AND MANUFACTURERS RECOMMENDATIONS AND
- REQUIREMENTS.
- 7. PROVIDE WITH MANUFACTURES VENT KIT. 8. PROVIDE WITH MANUFACTURES PIPE COVER.
- 9. PROVIDE WITH MANUFACTURES CONDENSATE NEUTRALIZATION.
- 10. PROVIDE WITH MANUFACTURES FREEZE PROTECTION KIT.

HEAT TRACE SPECIFICATIONS

FREEZE PROTECTION CABLE (HEAT TRACE) (COLD WATER PIPING) THERMON "8-FLX-1" SELF REGULATING HEATING CABLE, 120V, 8 WATTS PER FOOT (SINGLE PASS ONLY). CONTRACTOR SHALL PROVIDE ALL JUNCTION BOXES, SPLICE KITS, STRAPS AND ASSOCIATED APPURTENANCES TO PROVIDE A COMPLETE AND WORKING SYSTEM. COORDINATE ALL REQUIREMENTS WITH ELECTRICAL.

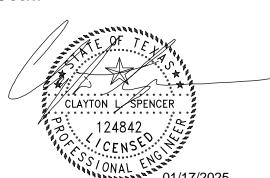
NOTE:
FREEZE PROTECTION CABLE SHALL BE PROVIDED ON DOMESTIC WATER PIPING THAT IS EXPOSED TO FREEZING TEMPERATURES. PIPING INSTALLED IN CONDITIONED AREAS OR BELOW GRADE IS NOT REQUIRED TO HAVE FREEZE PROTECTION CABLE.

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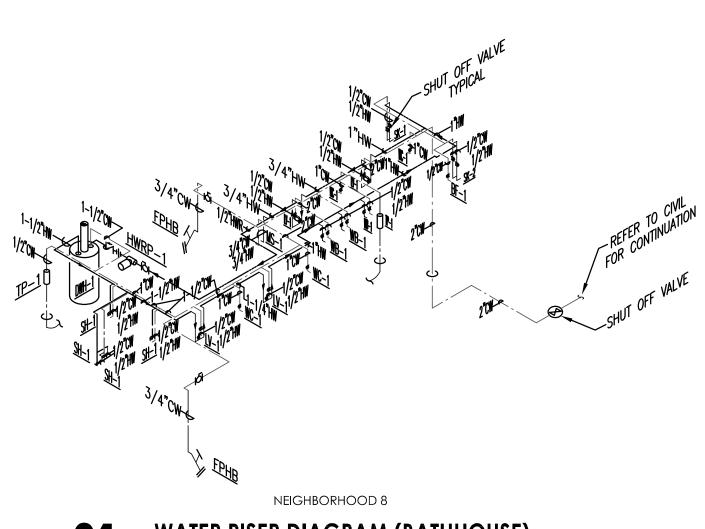
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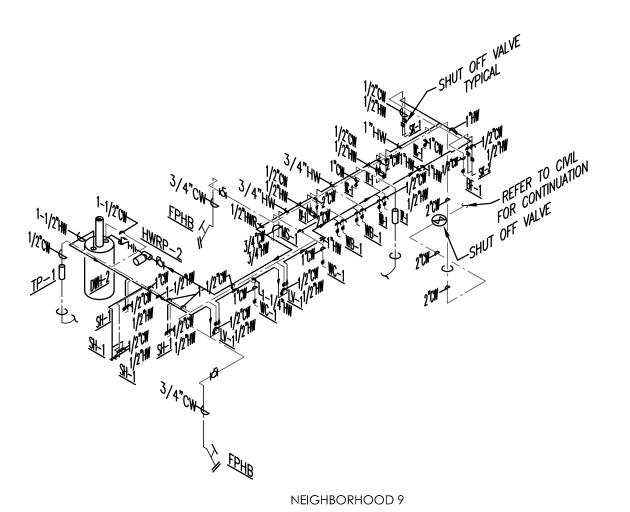
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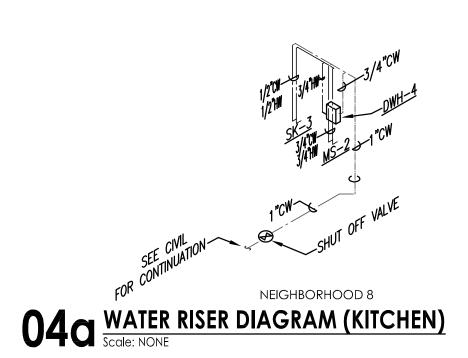
PLUMBING **SCHEDULES**

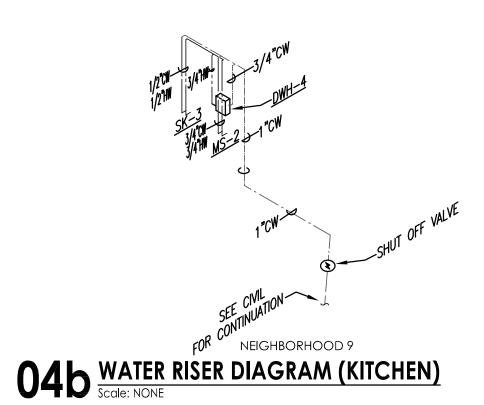


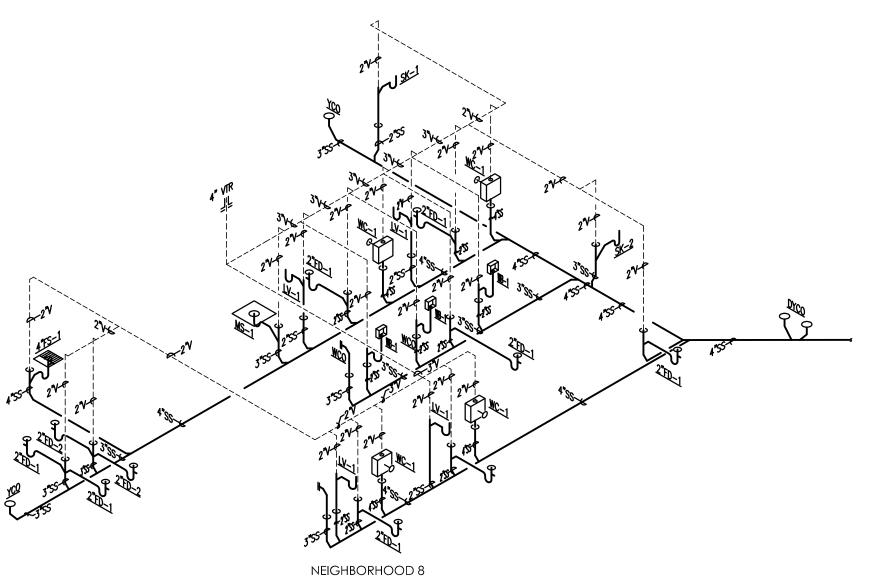
01 a WATER RISER DIAGRAM (BATHHOUSE)
Scale: NONE



01b WATER RISER DIAGRAM (BATHHOUSE)
Scale: NONE

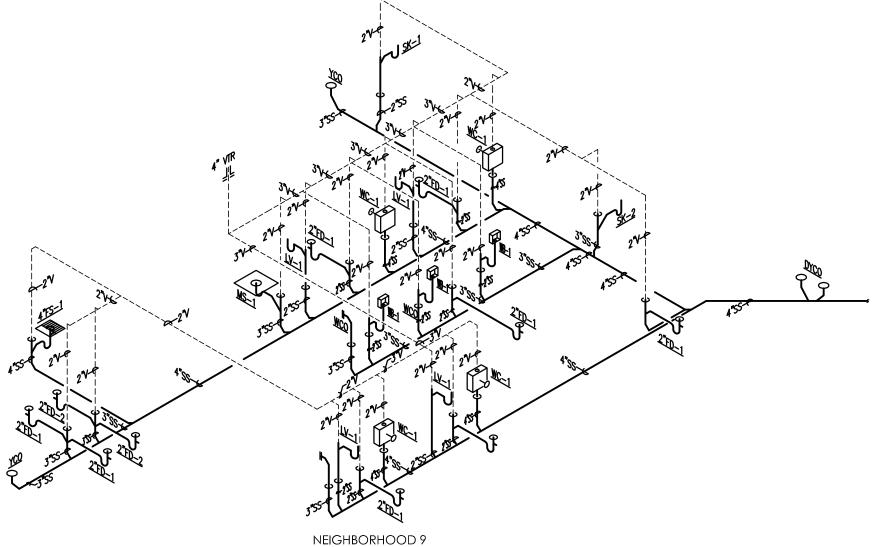




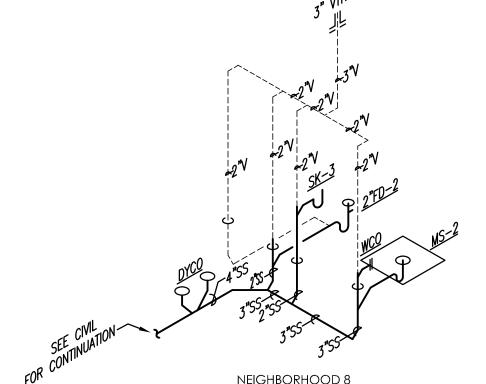


020 WASTE AND VENT RISER DIAGRAM (BATHHOUSE)

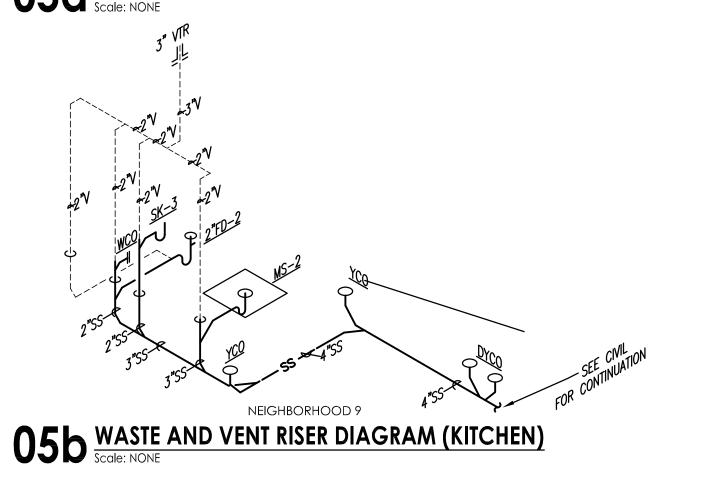
Scale: NONE

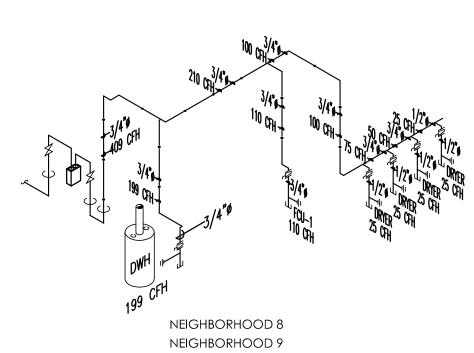


02b WASTE AND VENT RISER DIAGRAM (BATHHOUSE)



050 WASTE AND VENT RISER DIAGRAM (KITCHEN)
Scale: NONE





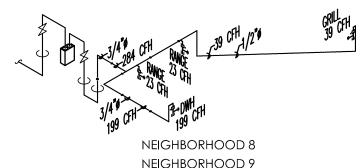
03 GAS RISER DIAGRAM (BATHHOUSE)
Scale: NONE

BATHHOUSE PR	OJECT NA	ATURAL	GAS
DESCRIPTION	QUANTITY	BTU/h	CFH
DWH	1	199,000	199
DRYER	1	25,000	25
DRYER	1	25,000	25
DRYER	1	25,000	25
DRYER	1	25,000	25
FCU-1	1	110,000	110
TOTAL		409,000	409

<u>NOT</u>

CONTRACTOR SHALL COORDINATE WITH TEXAS GAS SERVICE TO PROVIDE FOR GAS REQUIREMENT OF 409 CFH @ APPROX. 60FT. T.D.L 14" W.C. PRESSURE PIPING.

UPC 2021 - TABLE 1215.2(3) FOR LESS THAN 2 PSI PRESSURE



O6 GAS RISER DIAGRAM (KITCHEN)
Scale: NONE

KITCHEN PRO	DJECT NA	199,000 199 39,000 39 23,000 23			
DESCRIPTION	QUANTITY	BTU/h	CFH		
DWH	1	199,000	199		
GRILL	1	39,000	39		
RANGE	1	23,000	23		
RANGE	1	23,000	23		
TOTAL		284,000	284		

NOTE

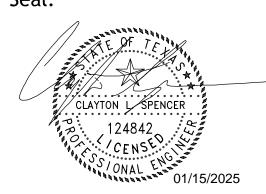
CONTRACTOR SHALL COORDINATE WITH TEXAS GAS SERVICE TO PROVIDE FOR GAS REQUIREMENT OF 284 CFH @ APPROX. 40FT. T.D.L 14" W.C. PRESSURE PIPING.

UPC 2021 - TABLE 1215.2(3) FOR LESS THAN 2 PSI PRESSURE

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Issue

1.15.25 ISSUE FOR CONSTRUCTION

Project Number: 24-093a

PLUMBING RISER DIAGRAMS

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