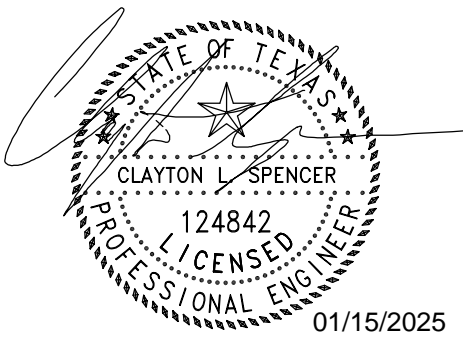


Seal:



Mobile Loaves & Fishes

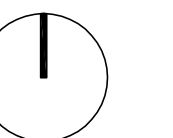
Community First!
Village - Kitchens
& Bathhouses
Phase 3 -
Neighborhoods
8 & 9

9116 Hog Eye Rd.
Austin, TX 78724

Issue

01.15.25

PLAN NORTH



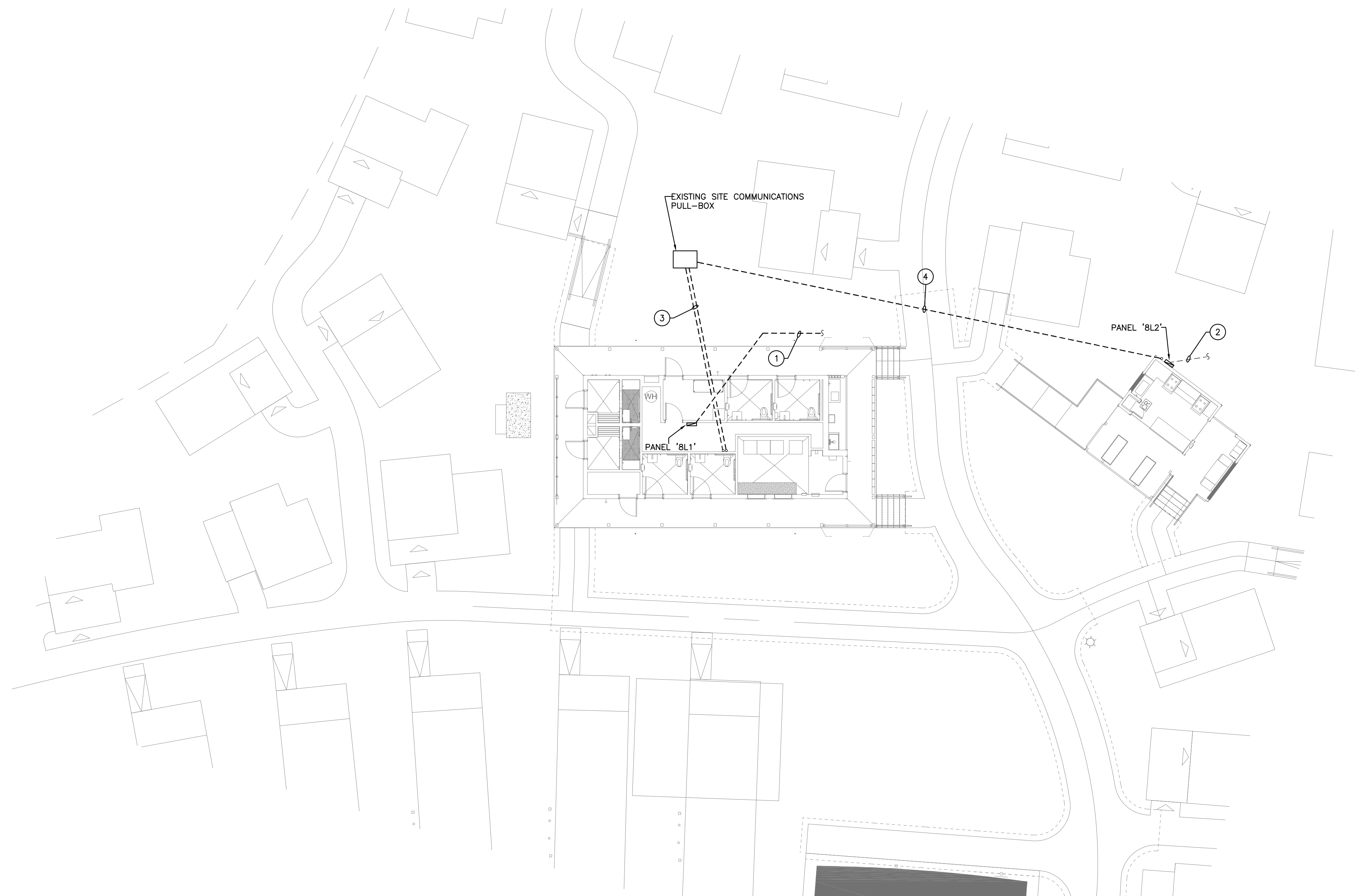
ISSUE FOR
CONSTRUCTION

Project Number: 24-093a

ELECTRICAL
COVER SHEET

E000

ABBREVIATIONS		ELECTRICAL LIGHTING SYMBOLS		GENERAL PROVISIONS		CONDUIT/WIRING - GENERAL		POWER - GENERAL																																																																																																																																																																
MARK	DESCRIPTION	MARK	DESCRIPTION	§	SINGLE POLE SWITCH 20A., 120/277 V.	<p>1. FURNISH AND INSTALL ALL ITEMS, INCLUDING EVERY ARTICLE, DEVICE, OR ACCESSORY REASONABLY NECESSARY TO FACILITATE EACH SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT SPECIFIED. ELEMENTS OF THE WORK SHALL INCLUDE, BUT ARE NOT LIMITED TO, MATERIALS, LABOR, SUPERVISION, SUPPLIES, EQUIPMENT, TRANSPORTATION, HOISTING/RIGGING, STORAGE, UTILITIES, AND ALL REQUIRED PERMITS AND LICENSES.</p> <p>2. DRAWINGS ARE SCHEMATIC IN NATURE AND DO NOT NECESSARILY REFLECT ALL WORK REQUIRED TO COMPLETE PROJECT. CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT AS REQUIRED TO COMPLETE PROJECT WITHIN DESIGN INTENT AT NO ADDITIONAL COST TO OWNER/TENANT OR TENANT. CONTRACTOR SHALL REQUEST ADDITIONAL INFORMATION IN CASES OF DOUBT.</p> <p>3. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE 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 REQUIRED BY THE ABOVE SAID AUTHORITIES SHALL BE MADE WITHOUT ADDITIONAL CHARGE TO THE OWNER/TENANT, WHERE ALTERATIONS TO AND DEVIATIONS FROM THE CONTRACT DOCUMENTS ARE REQUIRED BY SAID AUTHORITY, REPORT THE REQUIREMENTS AND SECURE APPROVAL BEFORE STARTING WORK. WHERE THE CONTRACT DOCUMENTS ARE IN EXCESS OF CODE REQUIREMENTS, THE CONTRACT DOCUMENTS SHALL GOVERN. IN THE EVENT OF A CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND APPLICABLE CODES, THE LATTER SHALL GOVERN. THE CONTRACTOR SHALL OBTAIN A COPY OF THE BASE BUILDING SPECIFICATIONS AND OWNER/TENANT'S BUILDING STANDARDS PRIOR TO START OF WORK.</p> <p>4. FIELD VERIFICATION OF EXISTING CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES FOUND PRIOR TO SUBMISSION OF BID. THE CONTRACTOR SHALL TAKE NOTE THAT THE DRAWINGS ARE SCHEMATIC IN NATURE AND INDICATE THE APPROXIMATE LOCATIONS OF THE ELECTRICAL SYSTEMS. LOCATE ALL ITEMS BY ON-THE-JOB MEASUREMENTS. COORDINATE INSTALLATION WITH OTHER TRADES TO ENSURE PROPER FIT AND ACCESS TO ALL ITEMS.</p> <p>5. CONSIDERATION SHALL NOT BE GRANTED FOR MISUNDERSTANDING OF THE SCOPE OR AMOUNT OF WORK TO BE PERFORMED. TENDER OF A PROPOSAL CONVEYS FULL CONTRACTOR AGREEMENT OF THE ITEMS AND CONDITIONS SPECIFIED AND/OR INDICATED, SCHEDULED, OR IMPLIED ON THE CONTRACT DOCUMENTS, AND/OR REQUIRED BY THE NATURE OF THIS WORK.</p> <p>6. ALL WORK SHALL BE ARRANGED IN A NEAT, WELL ORGANIZED MANNER. ALL SERVICES SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO THE PRIMARY LINES OF THE BUILDING. LOCATE ALL OPERATING AND CONTROL EQUIPMENT PROPERLY TO PROVIDE EASY ACCESS AND ARRANGE ENTIRE WORK WITH ADEQUATE ACCESS FOR OPERATION AND MAINTENANCE, AND FOR PROPER CODE AND/OR MANUFACTURERS CLEARANCES.</p> <p>7. REFERENCE THE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.</p>	<p>1. 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.</p> <p>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 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 PAINTED TO MATCH THE FINISH OF THE STRUCTURE.</p>	<p>1. WHERE SEPARATE HOMERUNS ARE INDICATED ON THE PLANS, DO NOT UTILIZE THE NEUTRAL OR GROUND CONDUCTOR FOR ANY OTHER CIRCUITS. TERMINATE ONLY AT DEVICES AND PANELBOARD AS INDICATED.</p> <p>2. REFER TO PLUMBING AND MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND POWER REQUIREMENTS FOR EACH RESPECTIVE SYSTEM.</p>																																																																																																																																																																
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AF	ABOVE FINISHED FLOOR	MDF	MAIN DISTRIBUTION PANEL	Ⓚ	WALL DIMMER SWITCH AS SPECIFIED							<p>WIRING DEVICES - GENERAL</p> <p>1. ALL WIRING DEVICES SHALL BE RATED 20-AMP MINIMUM.</p> <p>2. ALL NEW AND EXISTING GFI RECEPTACLES INDICATED ON THE PLANS SHALL MEET THE REVISED 2008 U.L. #943 REQUIREMENTS. WEATHERPROOF RECEPTACLES SHALL BE LISTED WEATHER RESISTANT TYPE. REPLACE EXISTING DEVICES AS REQUIRED.</p>																																																																																																																																																												
AHJ	AIR HANDLING UNIT	MH	METAL HALIDE	ⓄS	OCCUPANCY SENSOR WALL SWITCH AS SPECIFIED										<p>LOCAL ELECTRICAL PROVISIONS</p> <p>1. WORK SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES WITHIN THE CITY OF AUSTIN ETJ, (AHJ) AUTHORITY HAVING JURISDICTION, AND THE 2021 IECC.</p>																																																																																																																																																									
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01 ELECTRICAL SITE PLAN - NEIGHBORHOOD 8
 Scale: 1"=10'-0"

GENERAL NOTES

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 TO INSTALLATION.
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:

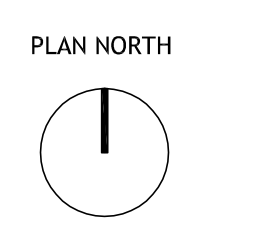
- ① ONE(1) 3" FEEDER CONDUIT FOR POWER TO PANEL 8L1. REFER TO BUILDING POWER PLANS AND THE ELECTRICAL RISER DIAGRAM ON SHEET E501 FOR CONDUCTOR REQUIREMENTS. CONDUIT SHALL BE ROUTED UNDERGROUND FROM NEW PANEL 8L1 AND CONNECTED WITH EXISTING 3" UNDERGROUND CONDUIT ROUTED BY SITE ELECTRICAL CONTRACTOR FROM 200-AMP DISCONNECT AT RACK NH8A. 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 NH8A AND PANEL 8L1.
- ② EXISTING 1-1/4" FEEDER CONDUIT ROUTED BETWEEN SITE ELECTRICAL PANEL NH8A AND NEW 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.
- ③ INSTALL ONE(1) 2" 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.
- 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 CONTRACTOR.

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 512-407-9011
 www.BayMEP.com
 TBPE Firm F-2005
 Bay Project: 370-24-120

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 01.15.25 ISSUE FOR
 CONSTRUCTION

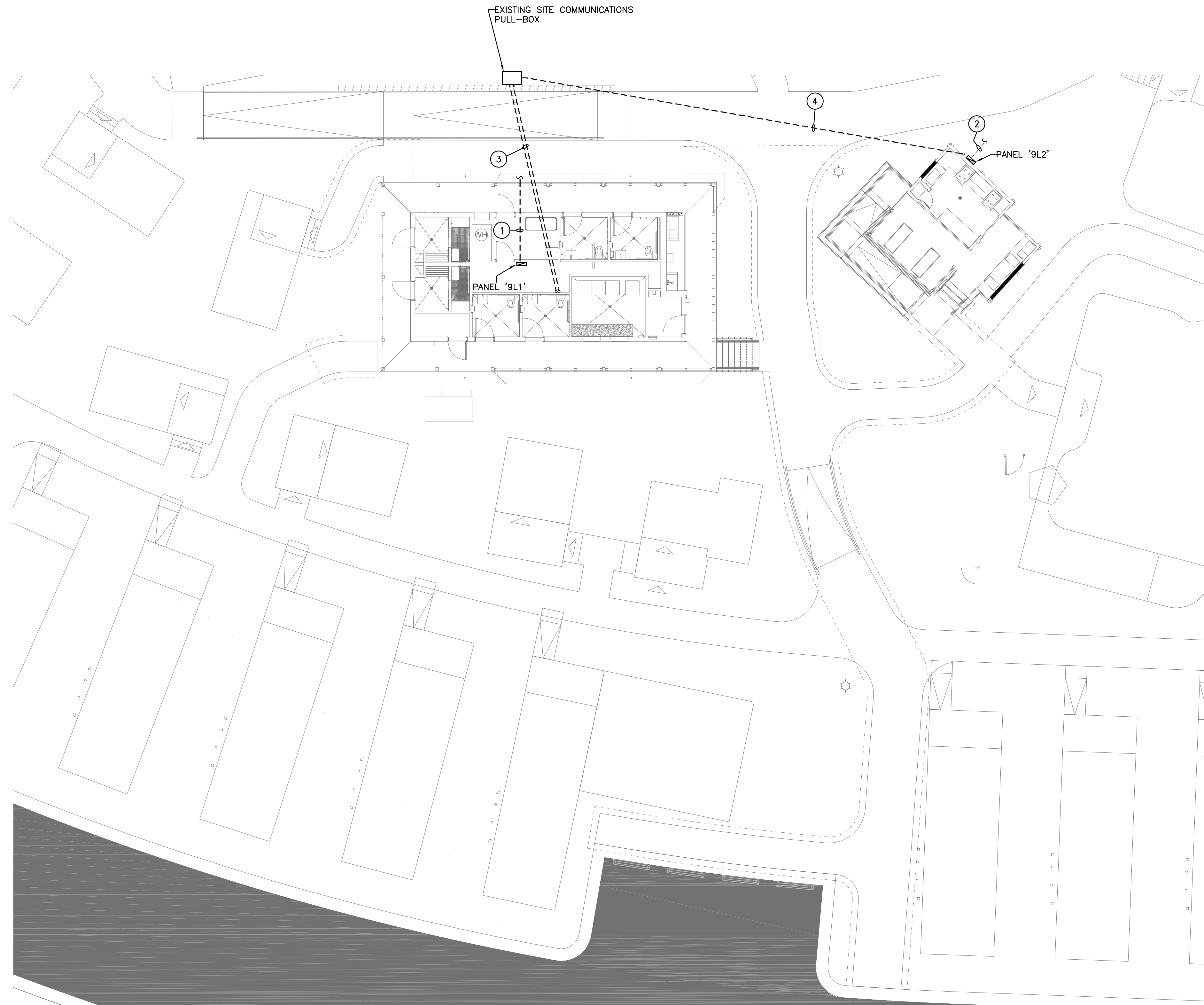
Project Number: 24-093a
 ELECTRICAL SITE PLAN -
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E101

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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 TO INSTALLATION.
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.

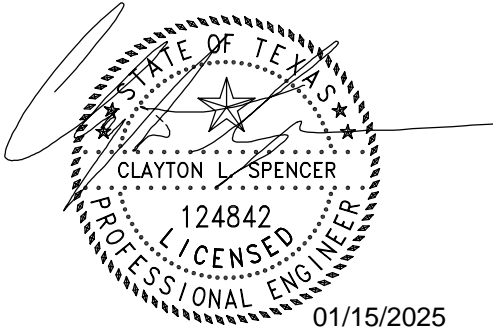
DRAWING NOTES:

- ① 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.
- ② EXISTING 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.
- ③ 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.
- 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 CONTRACTOR.



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

Seal:



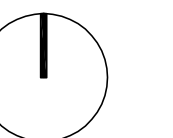
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PLAN NORTH



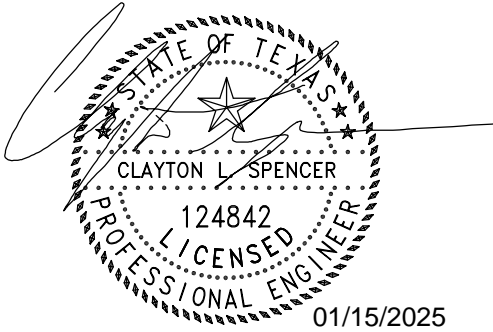
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Project Number: 24-093a

ELECTRICAL SITE PLAN
- NEIGHBORHOOD 9

E102

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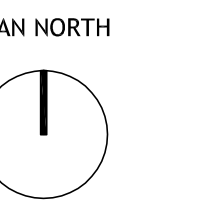


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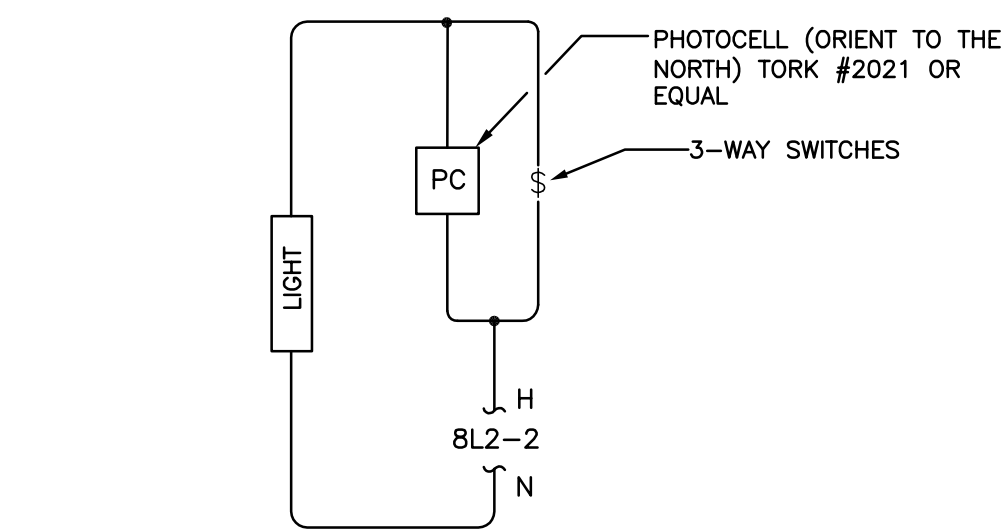
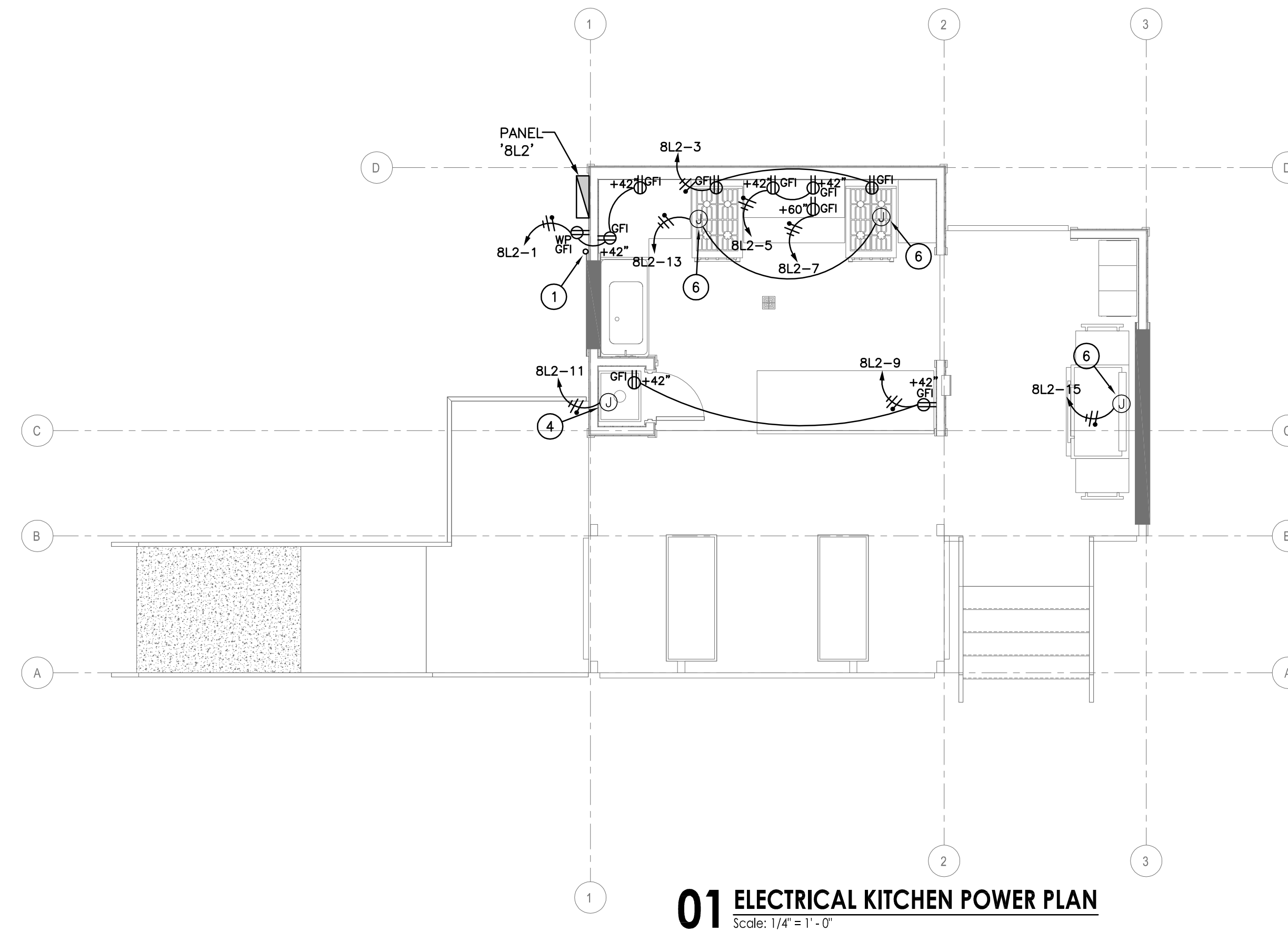
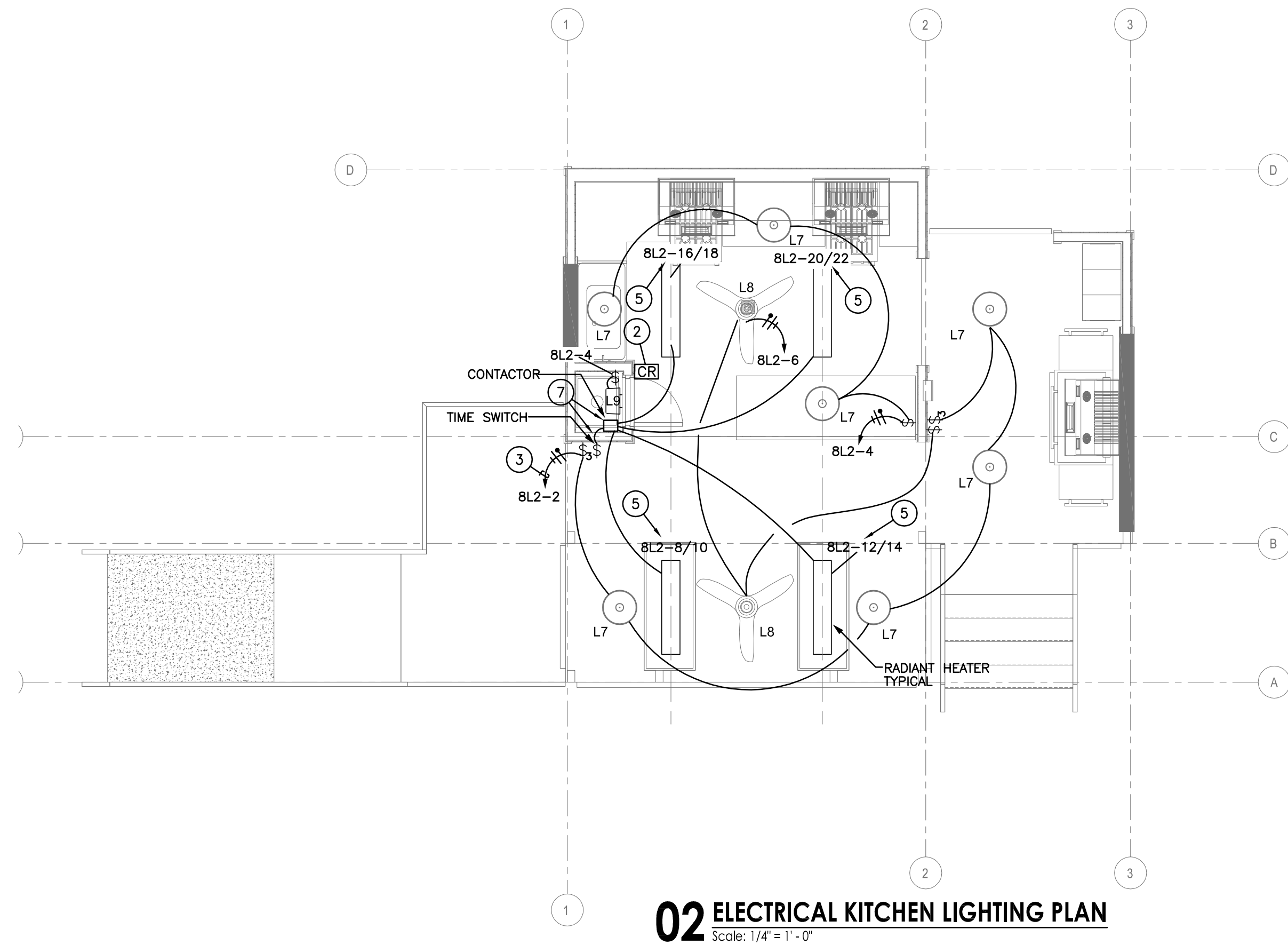


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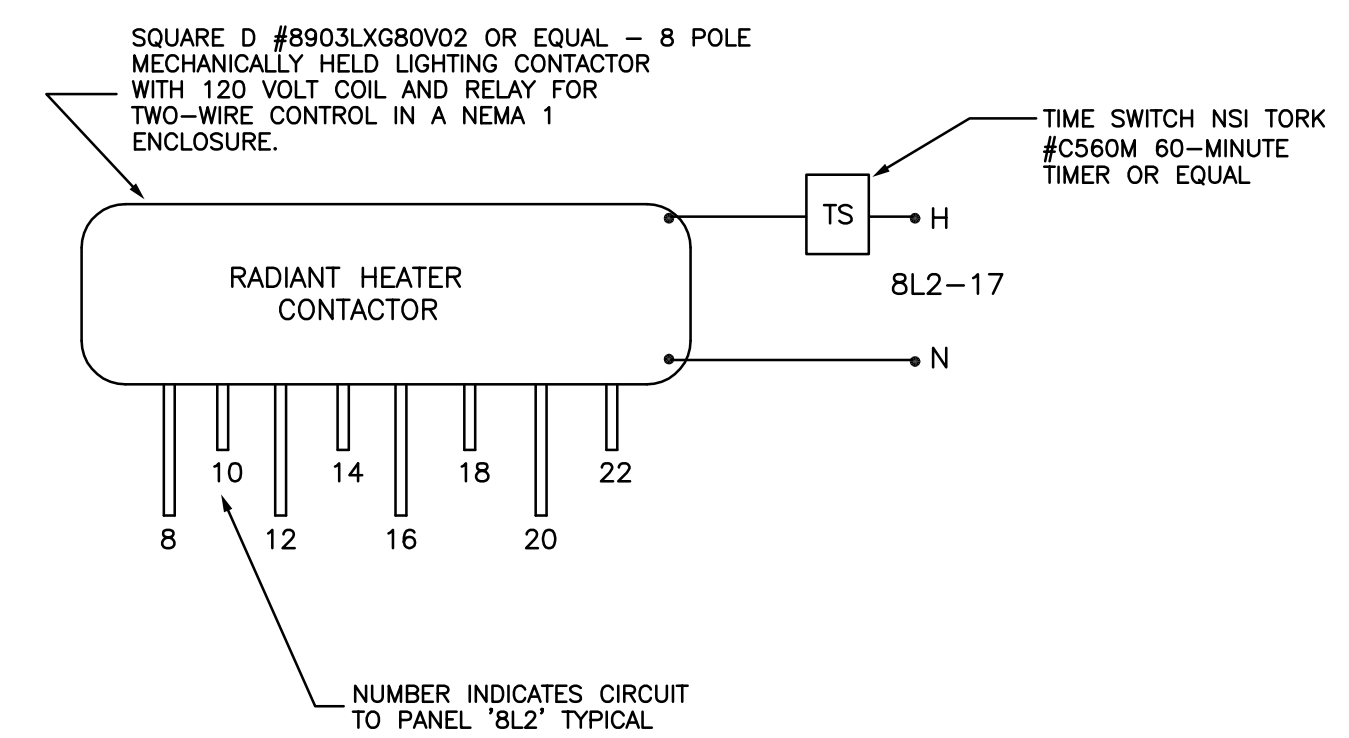
Project Number: 24-093a

ELECTRICAL KITCHEN LIGHTING
AND POWER PLAN-
NEIGHBORHOOD 8

E201



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



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

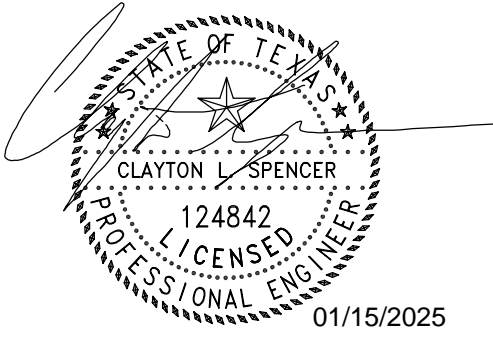
GENERAL NOTES:

- REFER TO SHEET E000 ELECTRICAL COVER SHEET FOR ADDITIONAL INFORMATION.
- 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.
- 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.
- 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.
- ALL CIRCUIT BREAKER NOT UTILIZED SHALL BE TURNED "OFF" AND LABELED "SPARE" ON UPDATED PANEL SCHEDULE.
- ALL MULTIWIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH HANDLE TIES PER NEC 210.4.
- 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).
- 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.
- REFERENCE LIGHT FIXTURE SCHEDULE AND OCCUPANCY SENSOR SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- 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.
- PROVIDE 240-VOLT JUNCTION BOX WITH 20-AMP, HEAVY DUTY DOUBLE POLE SINGLE THROW (DPST) TOGGLE SWITCH (FOR RESPECTIVE CIRCUIT INDICATED) AND LOCATE ADJACENT TO HEATER FOR DISCONNECTING MEANS. COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS WITH ARCHITECT.
- 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.
- REFERENCE DETAIL 04 THIS SHEET FOR RADIANT HEATER CONTROL SPECIFICATIONS AND WIRING REQUIREMENTS.

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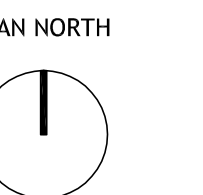


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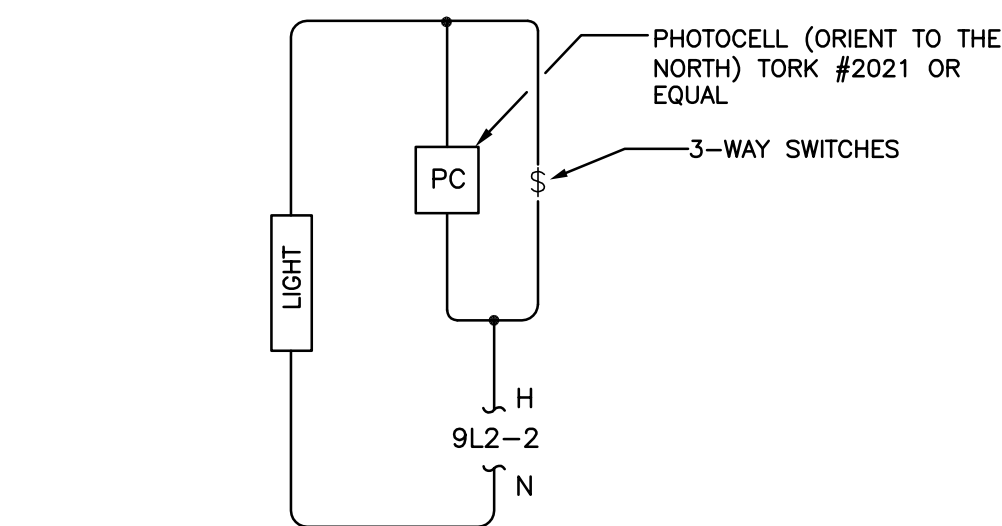
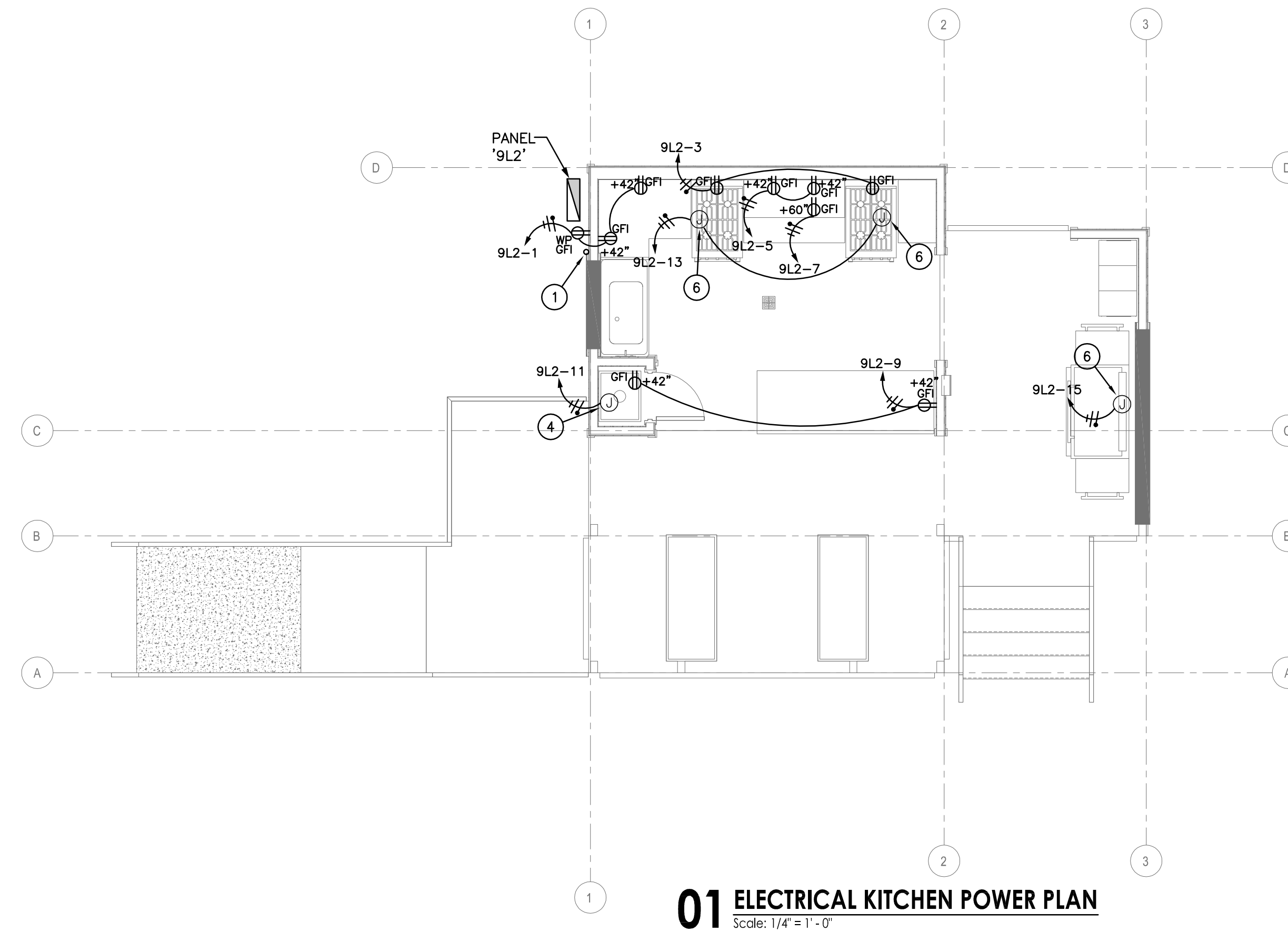
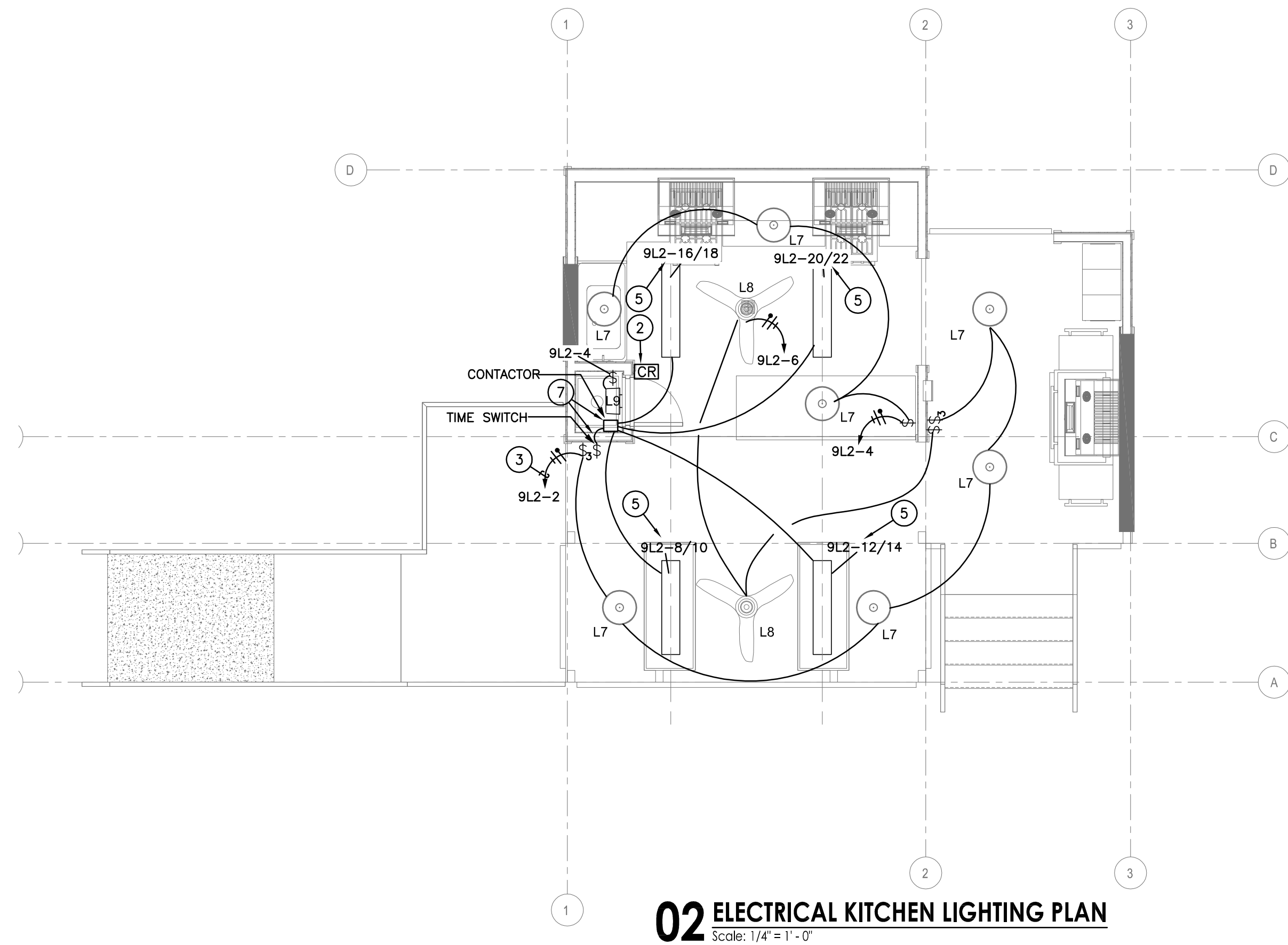


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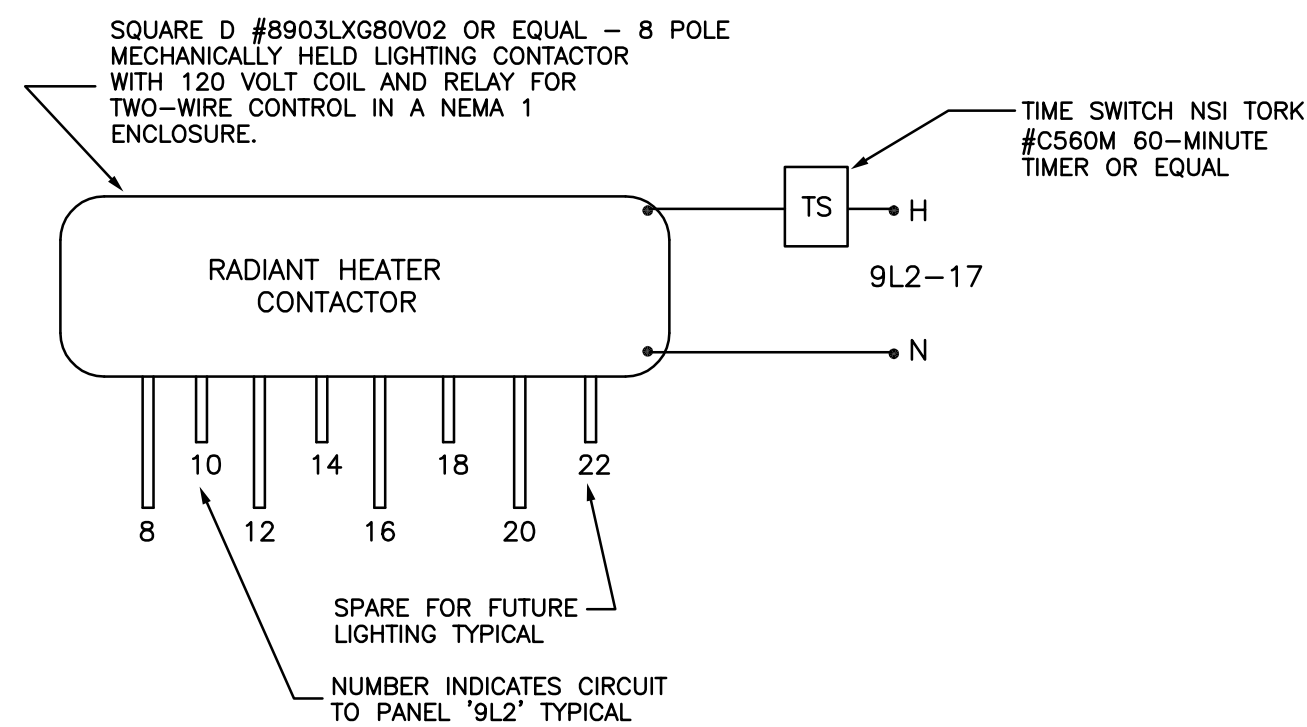
Project Number: 24-093a

ELECTRICAL KITCHEN LIGHTING
AND POWER PLAN-
NEIGHBORHOOD 9

E202



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



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

GENERAL NOTES:

- REFER TO SHEET E000 ELECTRICAL COVER SHEET FOR ADDITIONAL INFORMATION.
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- 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:

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- REFERENCE DETAIL 04 THIS SHEET FOR RADIANT HEATER CONTROL SPECIFICATIONS AND WIRING REQUIREMENTS.

OCCUPANCY SENSOR LEGEND		
DEVICE	NOTES	
ACUTY #WS-PDT-SA*	SINGLE RELAY, LINE VOLTAGE, WALL MOUNTED. FACTORY SET TO "MANUAL ON".	
ACUTY #nPODM	nLIGHT ENABLED, DIGITAL SWITCH WITH "OFF/ON".	
ACUTY #nCM-PDT-9	nLIGHT ENABLED, SINGLE CIRCUIT, CEILING MOUNTED, STANDARD ZONE	
ACUTY #nPP16	nLIGHT ENABLED, AUTO ON, POWER PACK	

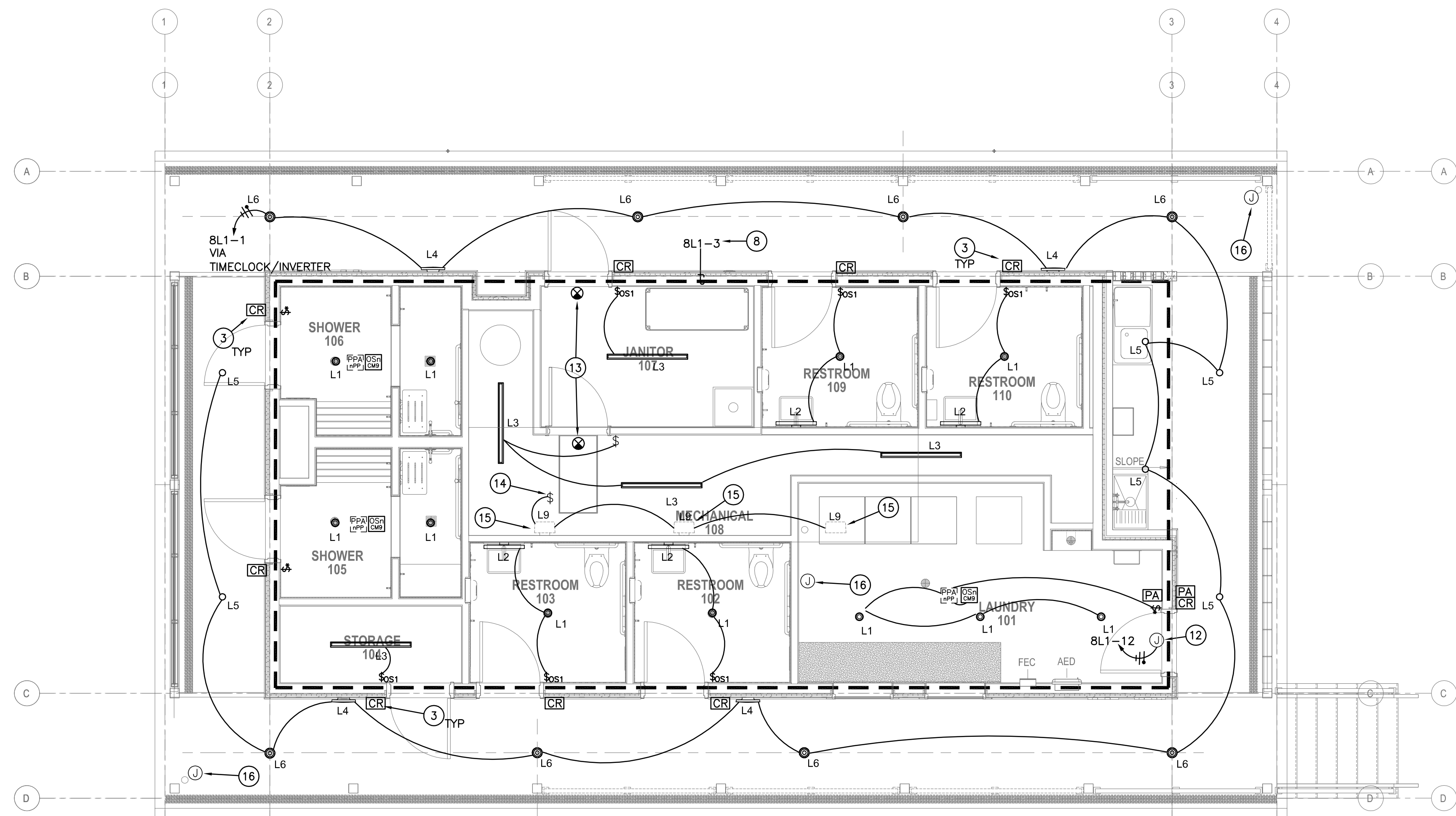
NOTE:
 -DISABLE PHOTO SENSOR OPTION ON ALL OCCUPANCY SENSORS.
 -DISABLE "SELF-ADAPTIVE MODE" ON ALL OCCUPANCY SENSORS
 -SET "DELAYED OFF" SETTING TO 20 MINUTES.
 -SET WALL MOUNTED OCCUPANCY SENSORS TO "MANUAL ON"
 -SET POWER PACKS "PPD" AND "PPM" TO "MANUAL ON"
 -FOR ALL nLIGHT ENABLED DEVICES, ROUTE CAT-5E CABLE AS REQUIRED BETWEEN DEVICES. REFERENCE ACUTY 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 CHANNEL #2, ETC.
 -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:

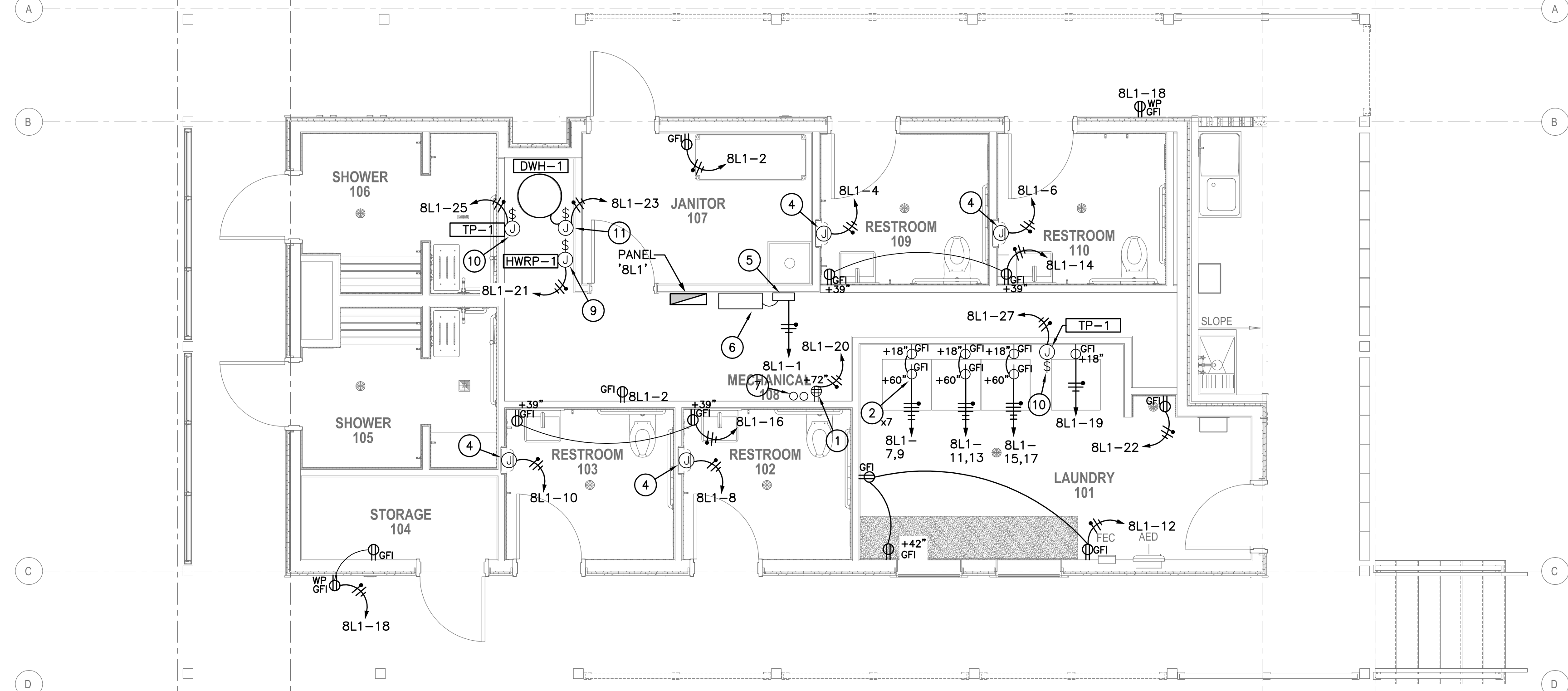
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- ALL CIRCUIT BREAKER NOT UTILIZED SHALL BE TURNED "OFF" AND LABELED "SPARE" ON UPDATED PANEL SCHEDULE.
- ALL MULTIWIRED BRANCH CIRCUITS SHALL BE PROVIDED WITH HANDLE TIES PER NEC 210.4.
- GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION SHALL BE PROVIDED FOR ALL 125-VOLT, SINGLE PHASE, 15 AND 20 AMPERAGE RECEPTACLES INSTALLED WITHIN 6 FEET OF THE OUTSIDE EDGE OF THE SINK.
- 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.
- REFERENCE LIGHT FIXTURE SCHEDULE AND OCCUPANCY SENSOR SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- 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:

- COORDINATE ALL COMMUNICATION REQUIREMENTS INCLUDING RECEPTACLE SPECIFICATION AND MOUNTING LOCATIONS, GROUNDING, AND CONDUIT REQUIREMENTS WITH OWNER AND CONSULTANT.
- 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.
- COMMUNICATION CONDUIT STUB-UP LOCATION. RE: ELECTRICAL SITE PLAN FOR ADDITIONAL REQUIREMENTS.
- ALL LIGHTING WITHIN DASHED AREA SHALL UTILIZE CIRCUIT INDICATED UNLESS NOTED OTHERWISE.
- 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.
- 120-VOLT JUNCTION BOX FOR CONNECTION TO TRAP PRIMER. COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS WITH PLUMBING CONTRACTOR. ELECTRICAL CONTRACTOR TO MAKE FINAL TERMINATIONS AT EQUIPMENT.
- 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.
- 120-VOLT JUNCTION BOX FOR DOOR ASSIST POWER HARDWARE. COORDINATE EXACT LOCATION AND PROVIDE ALL CONDUIT PATHWAYS FROM DOOR FRAME TO ACTUATOR DEVICES. ELECTRICAL CONTRACTOR TO MAKE FINAL 120-VOLT TERMINATIONS FOR DOOR POWER. REFERENCE MANUFACTURER WIRING DIAGRAMS FOR ADDITIONAL INFORMATION.
- 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.
- L9 FIXTURES SHALL BE LOCATED IN ATTIC FOR EQUIPMENT SERVICING. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNERS ATTIC EQUIPMENT PRIOR TO INSTALLATION.
- JUNCTION BOX WITH FLUSHING RING MOUNTED IN CEILING FOR SECURITY CAMERA. PROVIDE 3/4" CONDUIT FROM JUNCTION BOX TO ACCESSIBLE CEILING SPACE IN ATTIC FOR SECURITY CABLING. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.

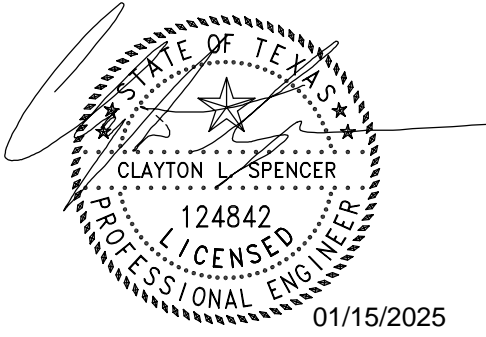


02 ELECTRICAL BATH HOUSE LIGHTING PLAN
Scale: 1/4" = 1'-0"



01 ELECTRICAL BATH HOUSE POWER PLAN
Scale: 1/4" = 1'-0"

Seal:



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ELECTRICAL BATH HOUSE
 LIGHTING AND POWER PLAN -
 NEIGHBORHOOD 8

E301

OCCUPANCY SENSOR LEGEND		
SYMBOL	DEVICE	NOTES
<td>ACUITY #nPP16</td> <td>nLIGHT ENABLED, AUTO ON, POWER PACK</td>	ACUITY #nPP16	nLIGHT ENABLED, AUTO ON, POWER PACK

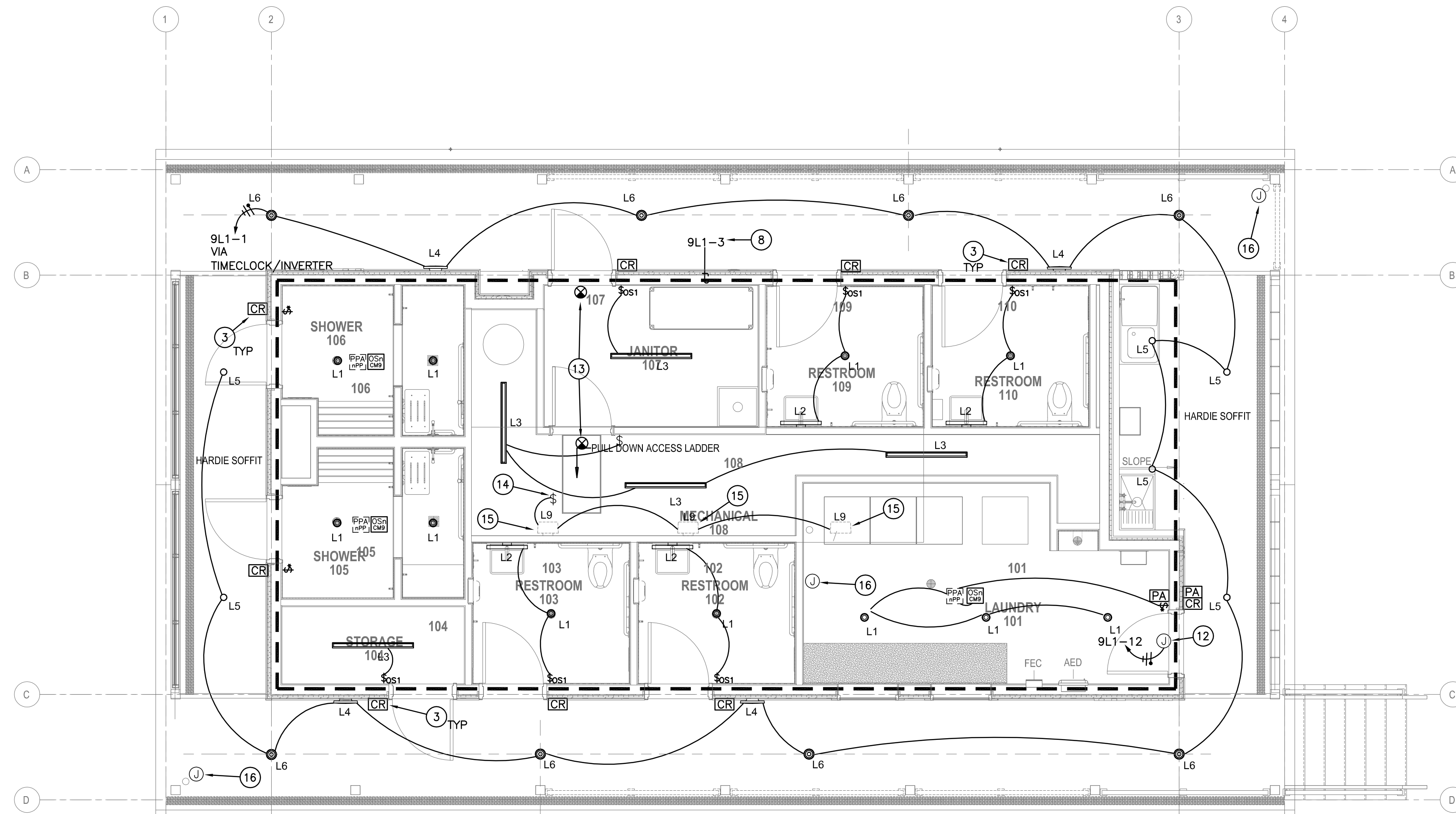
NOTE:
 -DISABLE PHOTO SENSOR OPTION ON ALL OCCUPANCY SENSORS.
 -DISABLE "SELF-ADAPTIVE MODE" ON ALL OCCUPANCY SENSORS.
 -SET "DELAYED OFF" SETTING TO 20 MINUTES.
 -SET WALL MOUNTED OCCUPANCY SENSORS TO "MANUAL ON"
 -SET POWER PACKS "PPD" AND "PPM" TO "MANUAL ON"
 -FOR ALL nLIGHT ENABLED DEVICES, ROUTE 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 CHANNEL #2, ETC.
 -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:

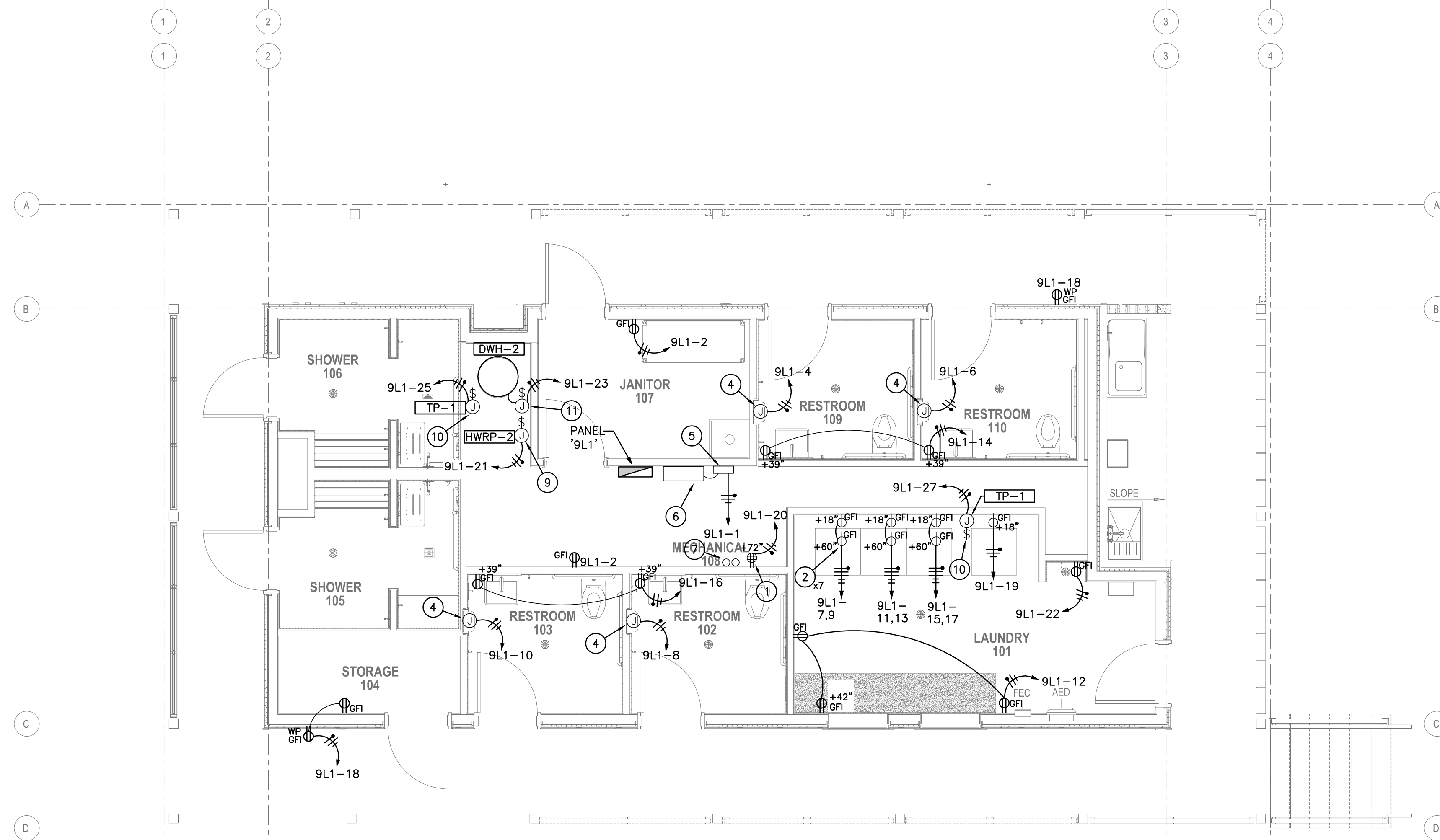
- REFER TO SHEET E000 ELECTRICAL COVER SHEET FOR ADDITIONAL INFORMATION.
- COORDINATE SWITCH AND RECEPTACLE STYLES AND FINISHES WITH THE ARCHITECT PRIOR TO INSTALLATION. ALL DEVICES SHALL BE RATED 20-AMP MINIMUM.
- ELECTRICAL CONTRACTOR SHALL PROVIDE UPDATED "TYPED" PANEL BOARD SCHEDULES FOR ALL PANELS SERVING THE PROJECT AREA.
- 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.
- 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.
- ALL CIRCUIT BREAKER NOT UTILIZED SHALL BE TURNED "OFF" AND LABELED "SPARE" ON UPDATED PANEL SCHEDULE.
- ALL MULTIWIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH HANDLE TIES PER NEC 210.4.
- GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION SHALL BE PROVIDED FOR ALL 125-VOLT, SINGLE PHASE, 15 AND 20 AMPERAGE RECEPTACLES INSTALLED WITHIN 6 FEET OF THE OUTSIDE EDGE OF THE SINK.
- 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.
- REFERENCE LIGHT FIXTURE SCHEDULE AND OCCUPANCY SENSOR SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- 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:

- COORDINATE ALL COMMUNICATION REQUIREMENTS INCLUDING RECEPTACLE SPECIFICATION AND MOUNTING LOCATIONS, GROUNDING, AND CONDUIT REQUIREMENTS WITH OWNER AND CONSULTANT.
- 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.
- COMMUNICATION CONDUIT STUB-UP LOCATION. RE: ELECTRICAL SITE PLAN FOR ADDITIONAL REQUIREMENTS.
- ALL LIGHTING WITHIN DASHED AREA SHALL UTILIZE CIRCUIT INDICATED UNLESS NOTED OTHERWISE.
- 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.
- 120-VOLT JUNCTION BOX FOR CONNECTION TO TRAP PRIMER. COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS WITH PLUMBING CONTRACTOR. ELECTRICAL CONTRACTOR TO MAKE FINAL TERMINATIONS AT EQUIPMENT.
- 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.
- 120-VOLT JUNCTION BOX FOR DOOR ASSIST POWER HARDWARE. COORDINATE EXACT LOCATION AND PROVIDE ALL CONDUIT PATHWAYS FROM DOOR FRAME TO ACTUATOR DEVICES. ELECTRICAL CONTRACTOR TO MAKE FINAL 120-VOLT TERMINATIONS FOR DOOR POWER. REFERENCE MANUFACTURER WIRING DIAGRAMS FOR ADDITIONAL INFORMATION.
- 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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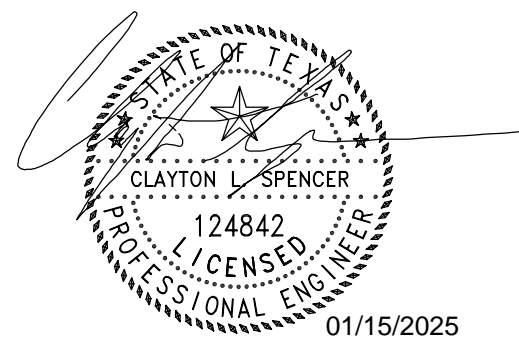


02 ELECTRICAL BATH HOUSE LIGHTING PLAN
Scale: 1/4" = 1'-0"



01 ELECTRICAL BATH HOUSE POWER PLAN
Scale: 1/4" = 1'-0"

Seal:



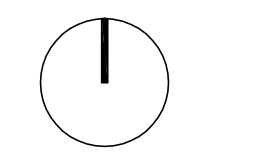
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PLAN NORTH



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01.15.25

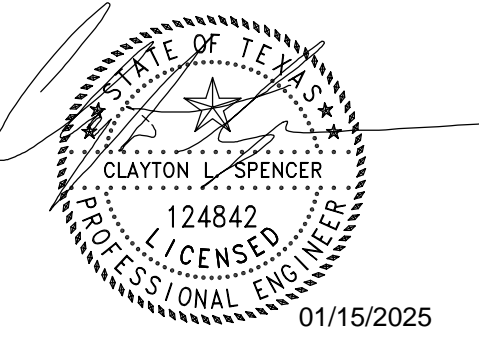
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Project Number: 24-093a

ELECTRICAL BATH HOUSE
LIGHTING PLAN AND POWER
PLAN- NEIGHBORHOOD 9

E302

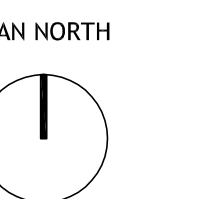
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ELECTRICAL BATH HOUSE
EQUIPMENT PLAN -
NEIGHBORHOOD 8

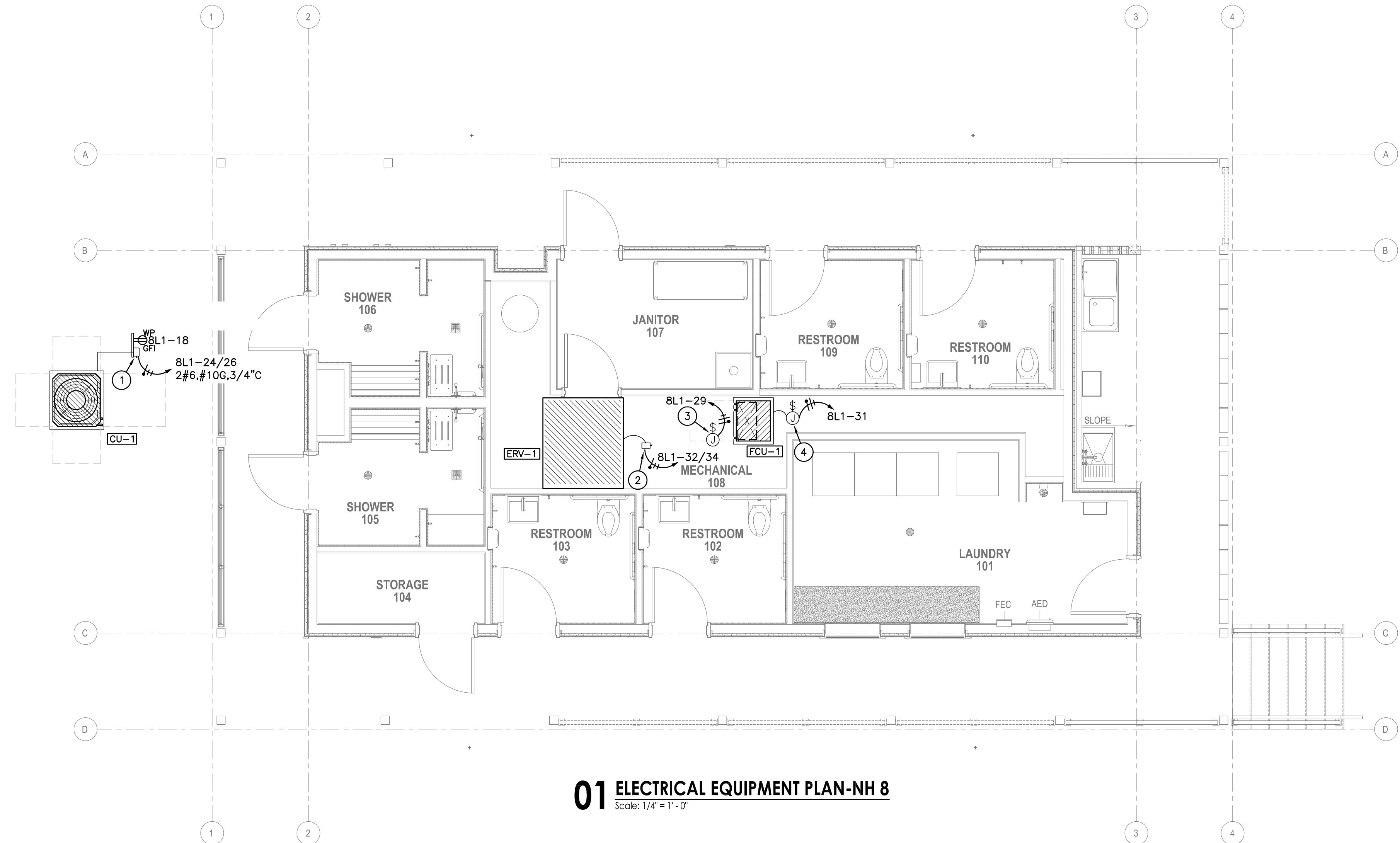
E401

GENERAL NOTES:

- REFER TO ELECTRICAL COVER SHEET E000 FOR ADDITIONAL INFORMATION.
- ELECTRICAL CONTRACTOR SHALL PROVIDE UPDATED "TYPED" PANEL BOARD SCHEDULES FOR ALL PANELS SERVING THE PROJECT AREA.
- 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.
- 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.
- ALL CIRCUIT BREAKER NOT UTILIZED SHALL BE TURNED "OFF" AND LABELED "SPARE" ON UPDATED PANEL SCHEDULE.
- ALL MULTIWIRED BRANCH CIRCUITS SHALL BE PROVIDED WITH HANDLE TIES PER NEC 210.4.
- GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION SHALL BE PROVIDED FOR ALL 125-VOLT, SINGLE PHASE, 15 AND 20 AMPERAGE RECEPTACLES INSTALLED WITHIN 6 FEET OF THE OUTSIDE EDGE OF THE SINK.

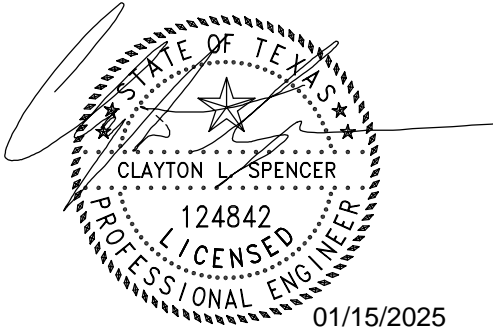
DRAWING KEYED NOTES:

- 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.



01 ELECTRICAL EQUIPMENT PLAN-NH 8
Scale: 1/4" = 1'-0"

Seal:

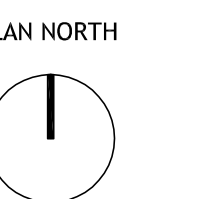


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ELECTRICAL BATH HOUSE
EQUIPMENT PLAN -
NEIGHBORHOOD 9

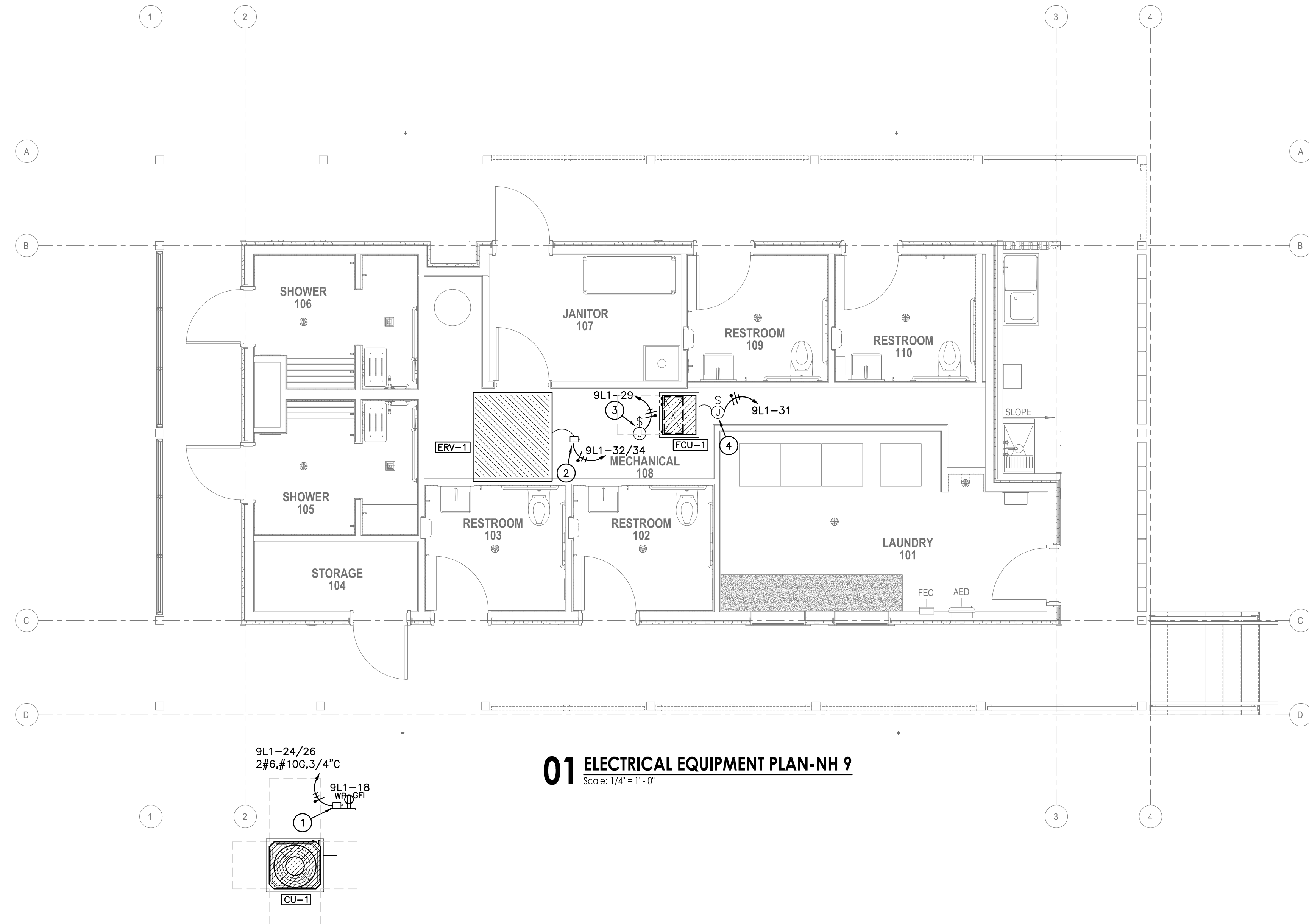
E402

GENERAL NOTES:

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 MULTIWIRED BRANCH CIRCUITS SHALL BE PROVIDED WITH HANDLE TIES PER NEC 210.4.
7. GROUND-FULT 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:

- ① 240-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.
- ② 240-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.
- ③ 120-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.
- ④ 120-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.



01 ELECTRICAL EQUIPMENT PLAN-NH 9
Scale: 1/4" = 1'-0"

NEIGHBORHOOD 8 - BATH HOUSE

PANEL: 8L1 (NEW)		MAINS: 200 A, MCB				
ENCLOSURE: SURFACE/NEMA 1		VOLTAGE: 120/240V, 1 PH, 3W				
		BUSSING: 225 A, W/ EQUIPT. GROUND				
		AIC RATING: 22K RMS SYM, FULLY RATED				
DESCRIPTION	BKR SIZE	PHASE LOAD (VA)	CIRC. NO.	PHASE LOAD (VA)	BKR SIZE	DESCRIPTION
EXTERIOR/EM LGT	20/1	0	1	540	20/1	GP RECEPTS
INTERIOR LIGHTING	20/1	0	3	1,400	20/1	HAND DRYER RR 109
SPARE	20/1	0	5	1,400	20/1	HAND DRYER RR 110
WASHER	20/1	1,200	7	1,400	20/1	HAND DRYER RR 102
DRYER	20/1	800	9	1,400	20/1	HAND DRYER RR 103
WASHER	20/1	1,200	11	360	20/1	LAUNDRY GP RECEPTS
DRYER	20/1	800	13	360	20/1	RR 109/110 GP RECEPTS
WASHER	20/1	1,200	15	360	20/1	RR 102/103 GP RECEPTS
DRYER	20/1	800	17	360	20/1	STORAGE/EXTERIOR REC
DRYER	20/1	800	19	500	20/1	SECURITY
HW RECIRC PUMP	20/1	500	21	500	20/1	JUG FILLER
DWH-2	20/1	500	23	3,984	50/2	CU-1
TRAP PRIMER	20/1	500	25	3,984		
TRAP PRIMER	20/1	500	27	924	15/2	ERV-1
CONDENSATE PUMP	20/1	200	29	924		
FCU-1	15/1	500	31	0		
SPACE	-	0	33	0		SPACE
SPACE	-	0	35	0		SPACE
SPACE	-	0	37	0		SPACE
SPACE	-	0	39	0		SPACE
SPACE	-	0	41	0		SPACE
SUBTOTAL		3,600	5,900	9,468	8,928	SUBTOTAL

CONNECTED LOAD		PANELBOARD LOAD ANALYSIS (VOLT-AMPS)							
PHASE A (VA):	13,068	LOAD TYPE	LIGHT	RECPT	COOLING	HEAT	MOTOR	MISC	KITCHEN
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
TOTAL LOAD (VA):	27,896	NEC DEMAND:	24,519 VA				102.2	AMPS, 1 PHASE	

NEIGHBORHOOD 8 - KITCHEN

PANEL: 8L2 (NEW)		MAINS: 100 A, MCB				
ENCLOSURE: SURFACE/NEMA 1		VOLTAGE: 120/240V, 1 PH, 3W				
		BUSSING: 100 A, W/ EQUIPT. GROUND				
		AIC RATING: 22K RMS SYM, FULLY RATED				
DESCRIPTION	BKR SIZE	PHASE LOAD (VA)	CIRC. NO.	PHASE LOAD (VA)	BKR SIZE	DESCRIPTION
GP RECEPTS	20/1	540	1	500	20/1	LIGHTING
OVEN RECEPTS	20/1	360	3	500	20/1	LIGHTING
COUNTER RECEPTS	20/1	360	5	0	20/1	CEILING FANS
MICROWAVE	20/1	1,200	7	1,000	20/2	RADIANT HEATERS
GP RECEPTS	20/1	360	9	1,000		
WATER HEATER	20/1	200	11	1,000	20/2	RADIANT HEATERS
EXHAUST HOOD	20/1	500	13	1,000		
EXHAUST HOOD	20/1	200	15	1,000	20/2	RADIANT HEATERS
TIMER CONTROL	20/1	200	17	1,000		
SPACE	20/1	0	19	1,000	20/2	RADIANT HEATERS
SPACE	20/1	0	21	1,000		
SPACE	20/1	0	23	0	20/1	SPACE
SPACE	20/1	0	25	0	20/1	SPACE
SPACE	20/1	0	27	0	20/1	SPACE
SPACE	20/1	0	29	0	20/1	SPACE
SUBTOTAL		1,960	1,960	4,500	4,500	SUBTOTAL

CONNECTED LOAD		PANELBOARD LOAD ANALYSIS (VOLT-AMPS)							
PHASE A (VA):	6,460	LOAD TYPE	LIGHT	RECPT	COOLING	HEAT	MOTOR	MISC	KITCHEN
PHASE B (VA):	6,460	CONNECTED	1,000	1,620	0	8,000	0	2,300	0
		DEMAND	1,250	1,620	0	8,000	0	2,300	0
TOTAL LOAD (VA):	12,920	NEC DEMAND:	13,170 VA				54.9	AMPS, 1 PHASE	

LIGHT FIXTURE SCHEDULE

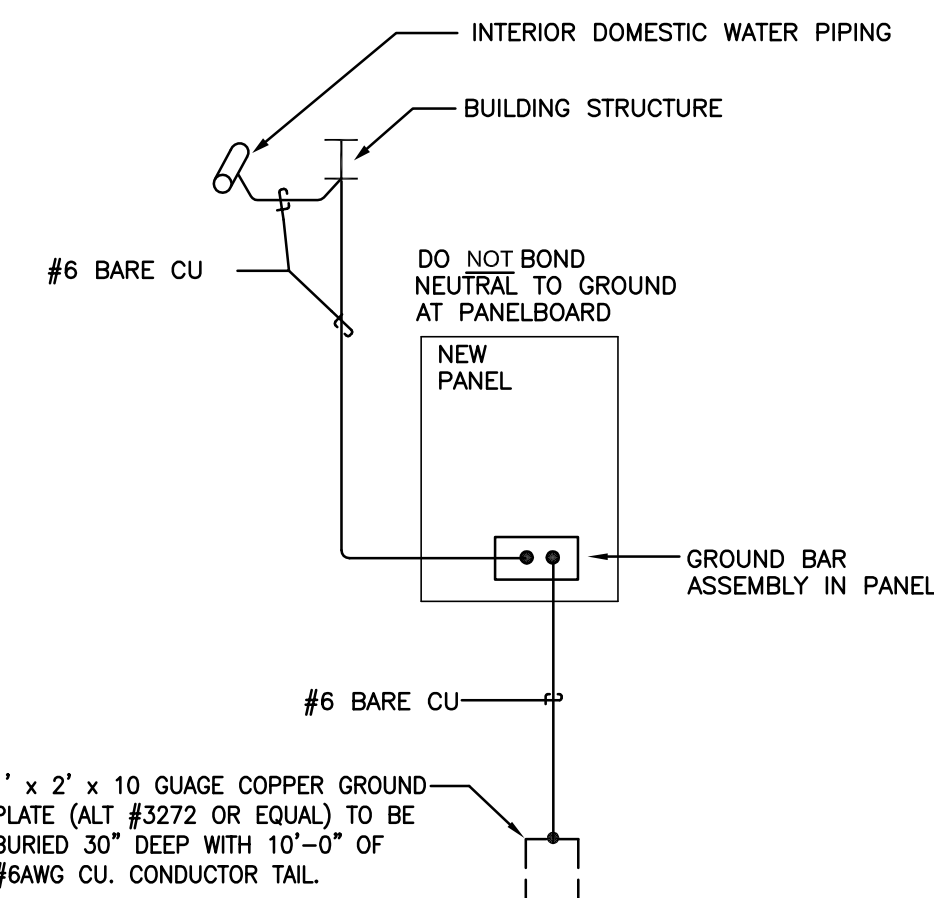
TYPE	DESCRIPTION	VOLTAGE	WATTS	MOUNTING	LAMPS	REMARKS
L1	SIGNIFY - LYTEPROFILE #4RN-P4RSL40940WZH210UXX	120 V	34.6	RECESSED	LED LAMPS	
L2	BROWNLEE - FLOWRD #5160-24-BN-H16-EC2-35K-XX	120 V	16	SURFACE	LED LAMPS	
L3	SIGNIFY - FLUXSTREAM STRIP #FSS470L835-UNV-DIM-XX-FSTH	120 V	54.1	SURFACE	LED LAMPS	
L4	ELITE - OWM-S-203 #OVM-S-203-2-26-32-42-MVOLT-30K-85-BK-PHC	120 V	19 W	SURFACE	LED LAMPS	
L5	SIGNIFY - LYTEPROFILE #4RN-P4RSL20930WZH210UXX	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-M16-150-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 INDICATED ON FLOOR PLAN

LIGHT FIXTURE SCHEDULE NOTES:

- 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 PURCHASE AND INSTALLATION.
- 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.
- VERIFY ALL LAMP KELVIN TEMPERATURE REQUIREMENTS WITH ARCHITECT.
- PROVIDE BLOCKING OR SUPPORTS FROM STRUCTURE AS REQUIRED FOR ALL SUSPENDED OR PENDANT MOUNTED FIXTURES. COORDINATE INSTALLATION WITH ARCHITECT AND FIXTURE MANUFACTURER.
- COORDINATE MOUNTING HEIGHTS OF ALL WALL MOUNTED, PENDANT AND SUSPENDED FIXTURES WITH ARCHITECT.
- VERIFY FINISH OF ALL LIGHT FIXTURES WITH ARCHITECT PRIOR TO PURCHASE.
- CONTRACTOR TO VERIFY AND ORDER ALL NECESSARY COMPONENTS REQUIRED FOR A COMPLETE INSTALLATION.

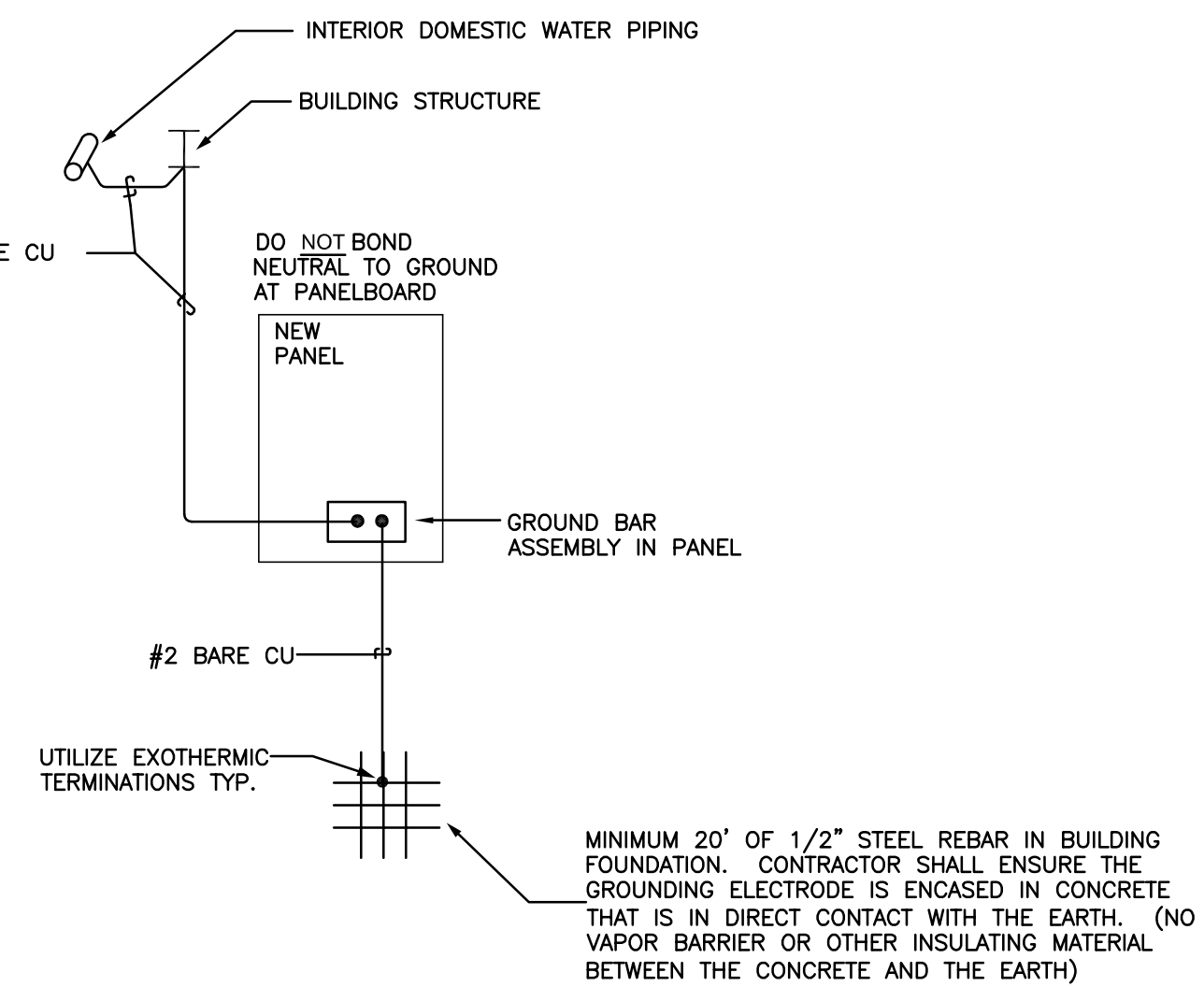
03 KITCHEN ELECTRICAL GROUNDING DETAIL

SCALE: NONE



02 BATH HOUSE ELECTRICAL GROUNDING DETAIL

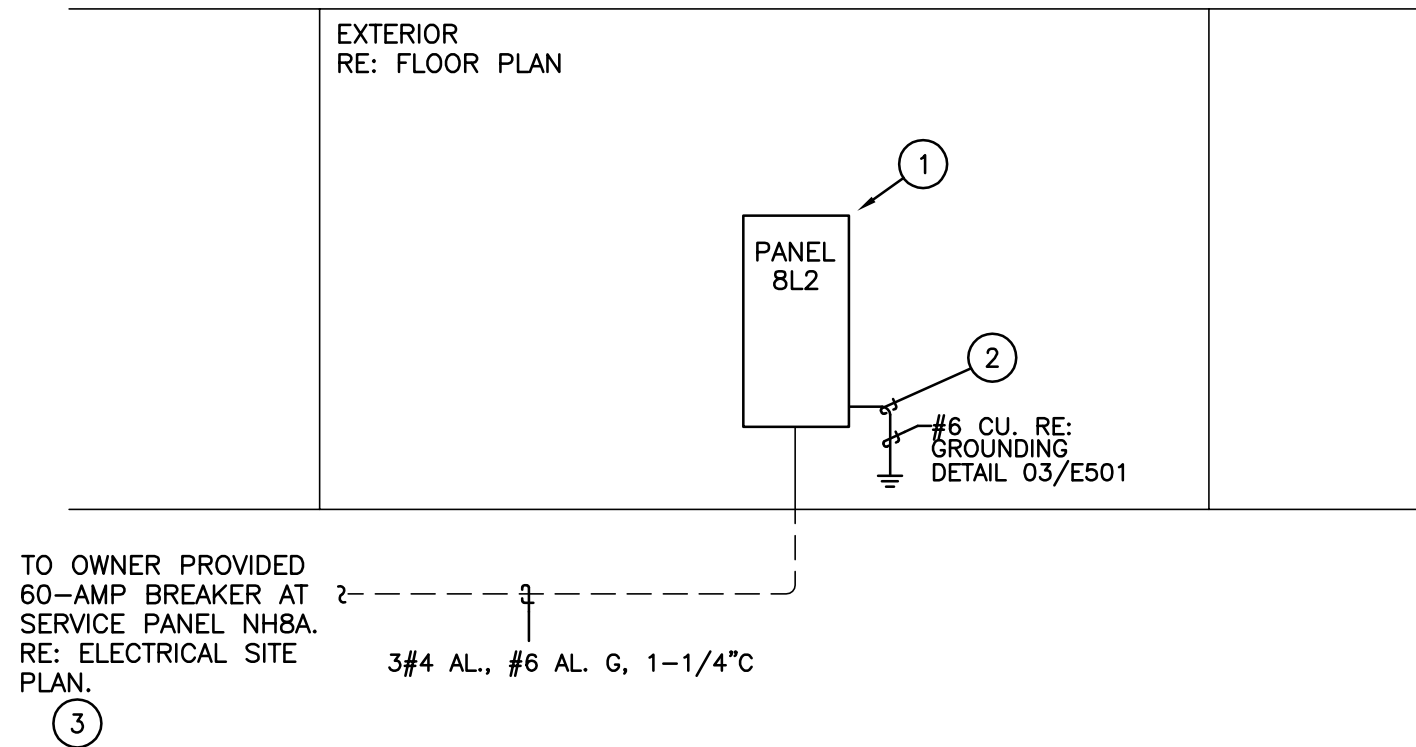
SCALE: NONE



TO OWNER PROVIDED 60-AMP BREAKER AT SERVICE PANEL NHBA. RE: ELECTRICAL SITE PLAN.

3

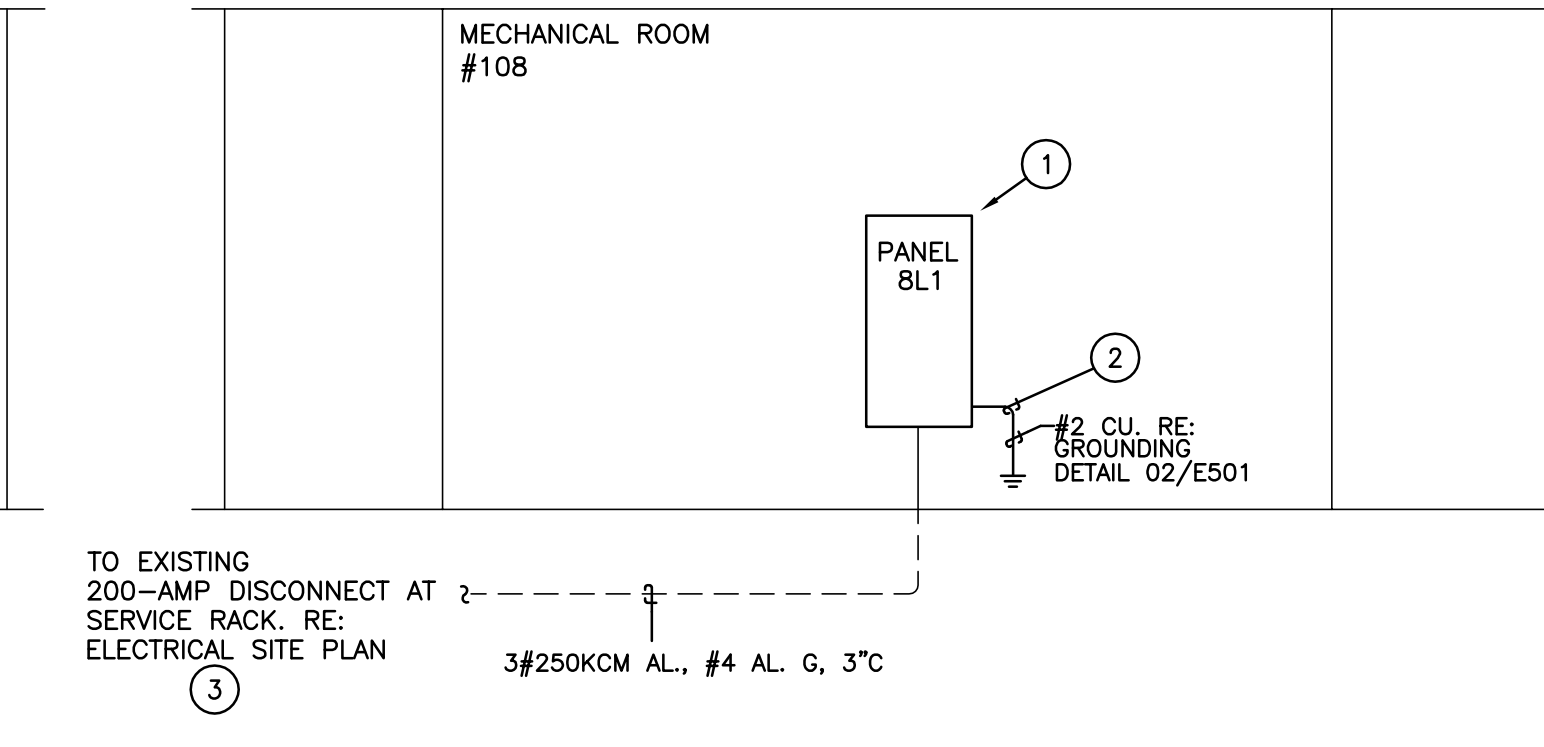
NEIGHBORHOOD 8 KITCHEN



TO EXISTING 200-AMP DISCONNECT AT SERVICE RACK. RE: ELECTRICAL SITE PLAN.

3

NEIGHBORHOOD 8 BATH HOUSE



01 ELECTRICAL RISER DIAGRAMS

SCALE: NONE

ELECTRICAL RISER DIAGRAM GENERAL NOTES:

- PROVIDE COMPLETE SUBMITTAL INFORMATION FOR ALL NEW EQUIPMENT FOR REVIEW PRIOR TO PURCHASE.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY AND COVER ALL COSTS ASSOCIATED WITH THE ELECTRICAL INSTALLATION AND INSTALLATION OF THE SUB-PANEL.
- ALL GROUNDING SHALL BE IN ACCORDANCE WITH THE LATEST APPLICABLE EDITION OF THE NEC.
- 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.
- 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.

ELECTRICAL RISER DIAGRAM DRAWING NOTES:

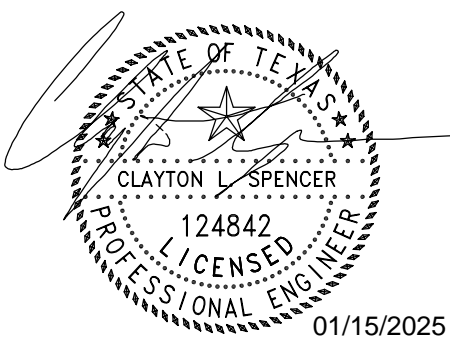
- 240/120-VOLT, 1Ø, 3-WIRE, PANEL WITH COPPER BUSSING, BOLT-IN BREAKERS, ENGRAVED NAMEPLATE, AND TYPED DIRECTORY. RE: PANEL SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- PROVIDE NEW GROUNDING CONDUCTOR AND CONDUIT AS INDICATED. INSTALL GROUNDING CONDUCTORS IN EMT CONDUIT, AND BOND CONDUCTOR TO CONDUIT AT BOTH 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.
- COORDINATE SERVICE LOCATION WITH OVERALL SITE ELECTRICAL PLANS AND OWNER PRIOR TO INSTALLATION.

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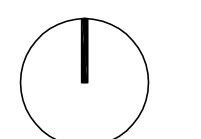
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01.15.25

ISSUE FOR CONSTRUCTION

Project Number: 24-093a

ELECTRICAL RISER DIAGRAMS AND SCHEDULES - NEIGHBORHOOD 8

E501

NEIGHBORHOOD 1 - BATH HOUSE

PANEL: 9L1 (NEW)		MAINS: 200 A, MCB		VOLTAGE: 120/240V, 1 PH, 3W		BUSSING: 225 A, W/ EQUIPT. GROUND		AIC RATING: 22K RMS SYM, FULLY RATED	
ENCLOSURE: SURFACE/NEMA 1		PHASE LOAD (VA)		CIRC. NO.		PHASE LOAD (VA)		BKR SIZE	
DESCRIPTION	BKR SIZE	A	C	A	C	A	C		DESCRIPTION
EXTERIOR/EM LTG	20/1	0		1	2	540		20/1	GP RECEPTS
INTERIOR LIGHTING	20/1	0	0	3	4	1,400	1,400	20/1	HAND DRYER RR 109
SPARE	20/1	0		5	6	1,400		20/1	HAND DRYER RR 110
WASHER	20/1		1,200	7	8		1,400	20/1	HAND DRYER RR 102
DRYER	20/1	800		9	10	1,400		20/1	HAND DRYER RR 103
WASHER	20/1	800	1,200	11	12		360	20/1	LAUNDRY GP RECEPTS
DRYER	20/1	800		13	14	360		20/1	RR 109/110 GP RECEPTS
WASHER	20/1		1,200	15	16		360	20/1	RR 102/103 GP RECEPTS
DRYER	20/1	800		17	18	360		20/1	STORAGE/EXTERIOR REC
DRYER	20/1		800	19	20		500	20/1	SECURITY
HW RECIRC PUMP	20/1	500		21	22	500		20/1	JUG FILLER
DWH-2	20/1		500	23	24		3,984	50/2	CU-1
TRAP PRIMER	20/1	500		25	26	3,984			
TRAP PRIMER	20/1		500	27	28		924	15/2	ERV-1
CONDENSATE PUMP	20/1	200		29	30	924			
FCU-1	15/1		500	31	32		0		SPACE
SPACE	-	0		33	34	0			SPACE
SPACE	-	0		35	36	0			SPACE
SPACE	-	0		37	38	0			SPACE
SPACE	-	0		39	40	0			SPACE
SPACE	-	0		41	42	0			SPACE
SUBTOTAL		3,600	5,900			9,468	8,928	SUBTOTAL	
CONNECTED LOAD		PANELBOARD LOAD ANALYSIS (VOLT-AMPS)							
PHASE A (VA): 13,068		LOAD TYPE	LIGHT	RECPT	COOLING	HEAT	MOTOR	MISC	KITCHEN
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
TOTAL LOAD (VA): 27,896		NEC DEMAND:	24,519 VA		102.2 AMPS, 1 PHASE				

NEIGHBORHOOD 1 - KITCHEN

PANEL: 9L2 (NEW)		MAINS: 100 A, MCB		VOLTAGE: 120/240V, 1 PH, 3W		BUSSING: 100 A, W/ EQUIPT. GROUND		AIC RATING: 22K RMS SYM, FULLY RATED	
ENCLOSURE: SURFACE/NEMA 1		PHASE LOAD (VA)		CIRC. NO.		PHASE LOAD (VA)		BKR SIZE	
DESCRIPTION	BKR SIZE	A	C	A	C	A	C		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	200		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	20/1	0		27	28	0		20/1	SPACE
SPACE	20/1	0		29	30	0		20/1	SPACE
SUBTOTAL		1,960	1,960			4,500	4,500	SUBTOTAL	
CONNECTED LOAD		PANELBOARD LOAD ANALYSIS (VOLT-AMPS)							
PHASE A (VA): 6,460		LOAD TYPE	LIGHT	RECPT	COOLING	HEAT	MOTOR	MISC	KITCHEN
PHASE B (VA): 6,460		CONNECTED	1,000	1,620	0	8,000	0	2,300	0
		DEMAND	1,250	1,620	0	8,000	0	2,300	0
TOTAL LOAD (VA): 12,920		NEC DEMAND:	13,170 VA		54.9 AMPS, 1 PHASE				

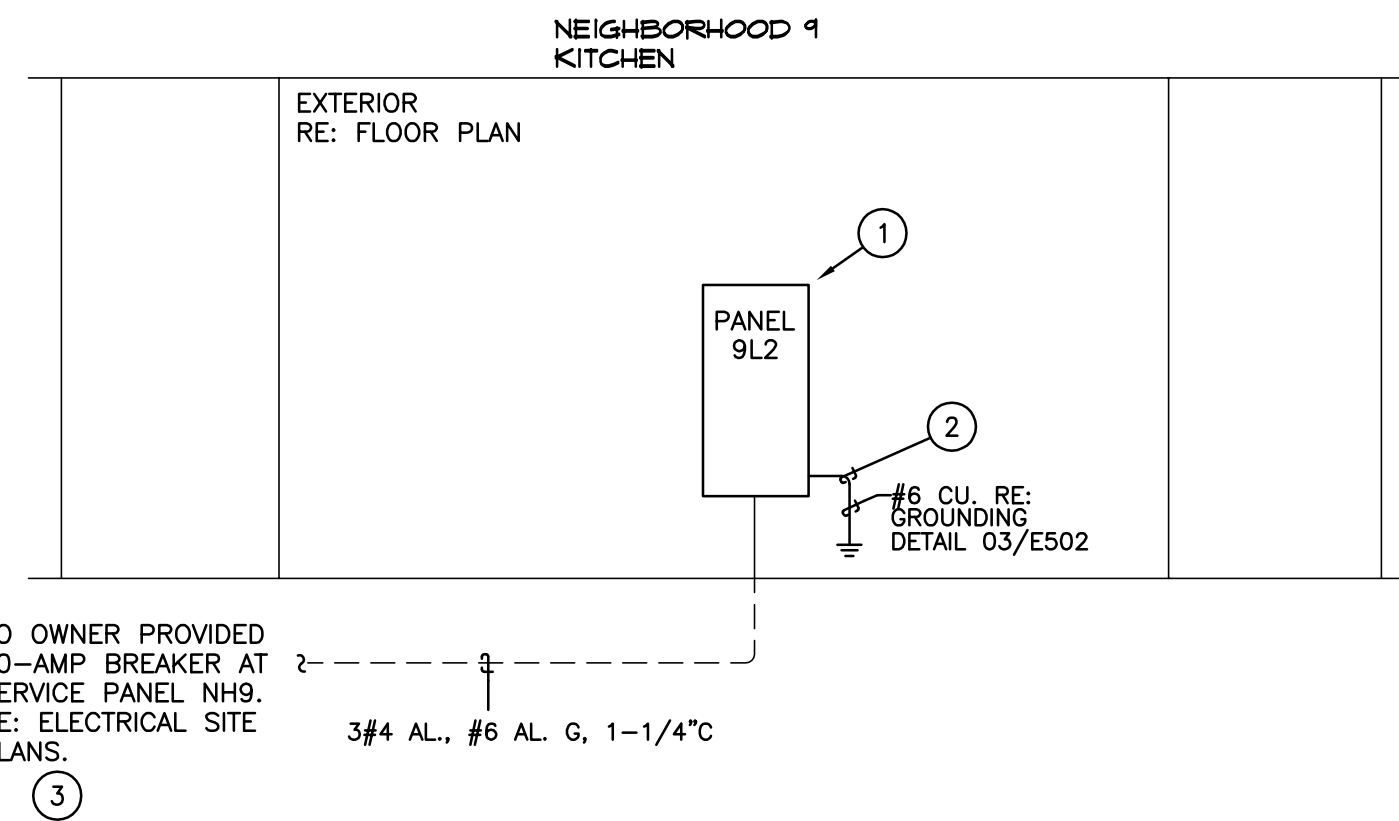
PANEL GENERAL NOTES:

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

LIGHT FIXTURE SCHEDULE						
TYPE	DESCRIPTION	VOLTAGE	WATTS	MOUNTING	LAMPS	REMARKS
L1	SIGNIFY - LYTEPROFILE #4RN-P4RSL40940WWMH210UXX	120 V	34.6	RECESSED	LED LAMPS	
L2	BROWNLEE - FLOW RD #5160-24-BN-H16-EC2-35K-XX	120 V	16	SURFACE	LED LAMPS	
L3	SIGNIFY - FLUXSTREAM STRIP #FSS470L835-UNV-01M-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-P4RSL20930WWMH210UXX	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-M16-150-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 #LEVMON 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 INDICATED ON FLOOR PLAN

LIGHT FIXTURE SCHEDULE NOTES:

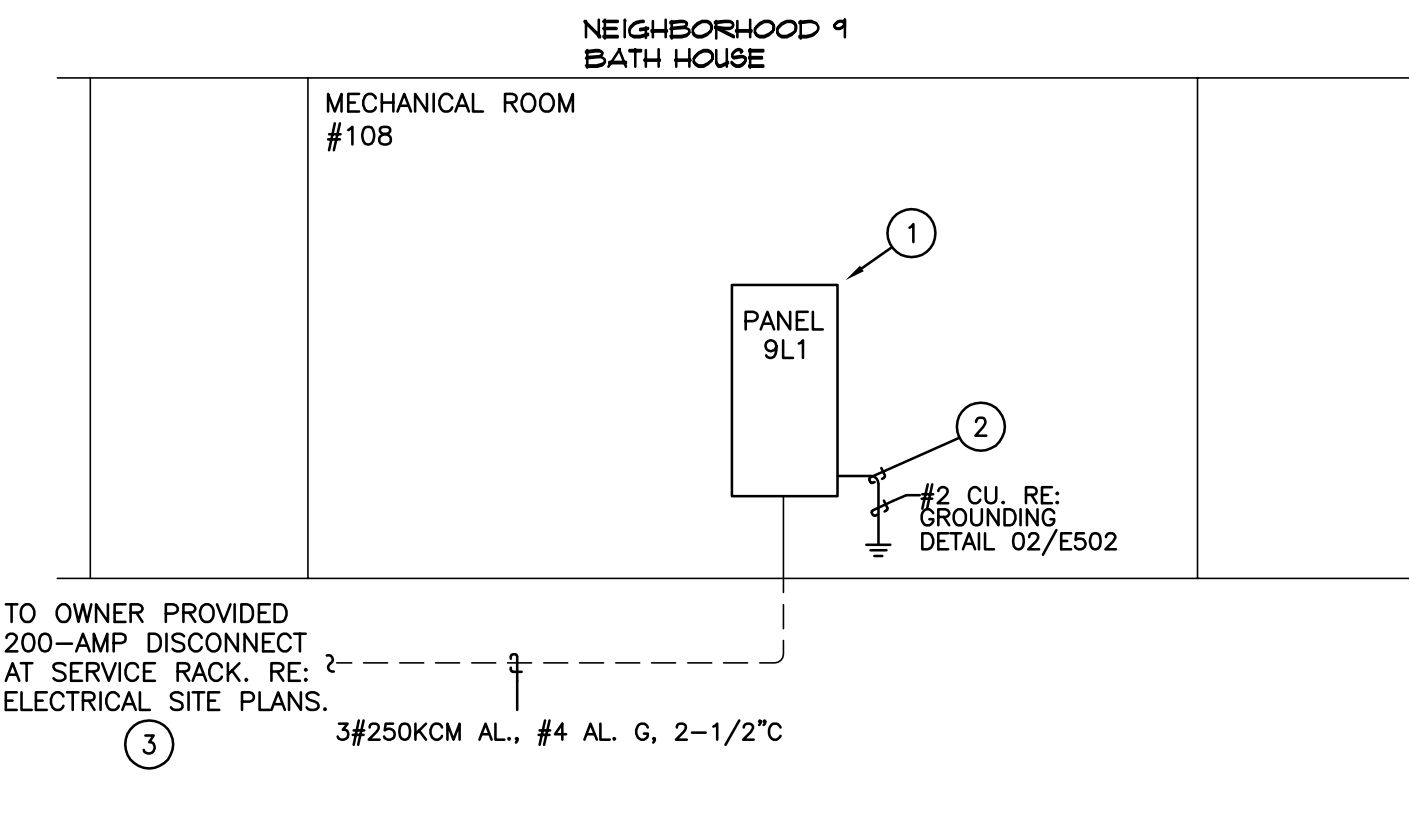
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01 ELECTRICAL RISER DIAGRAMS
SCALE: NONE

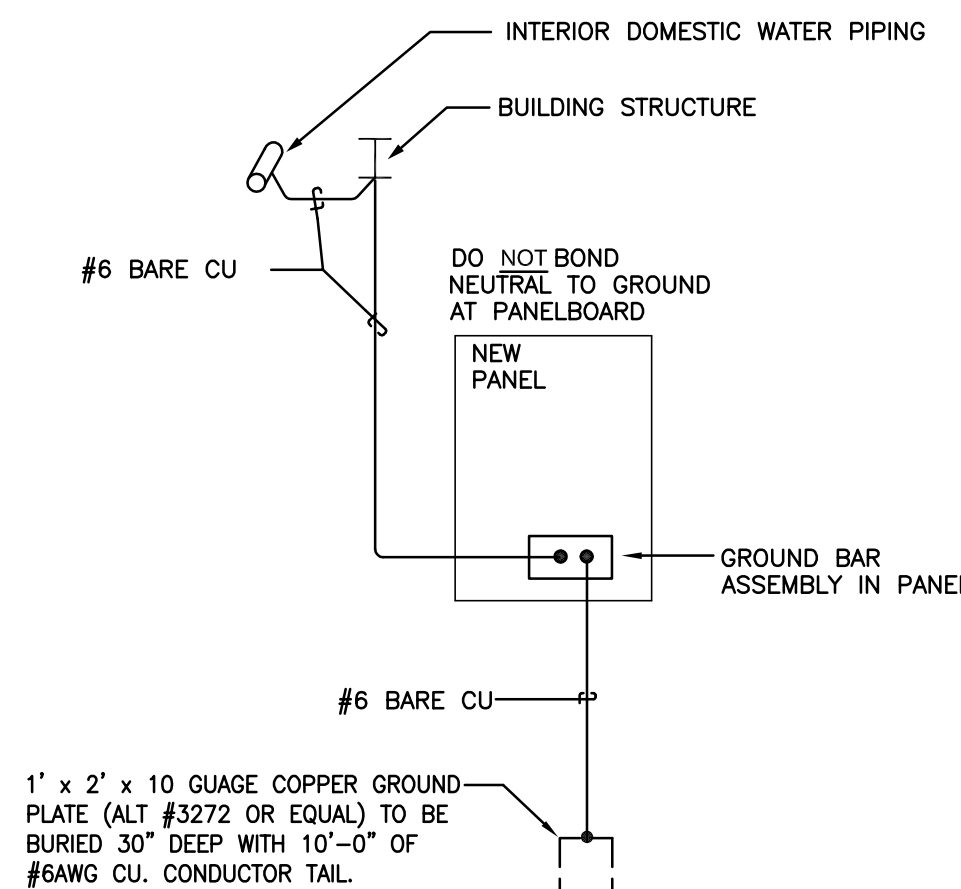
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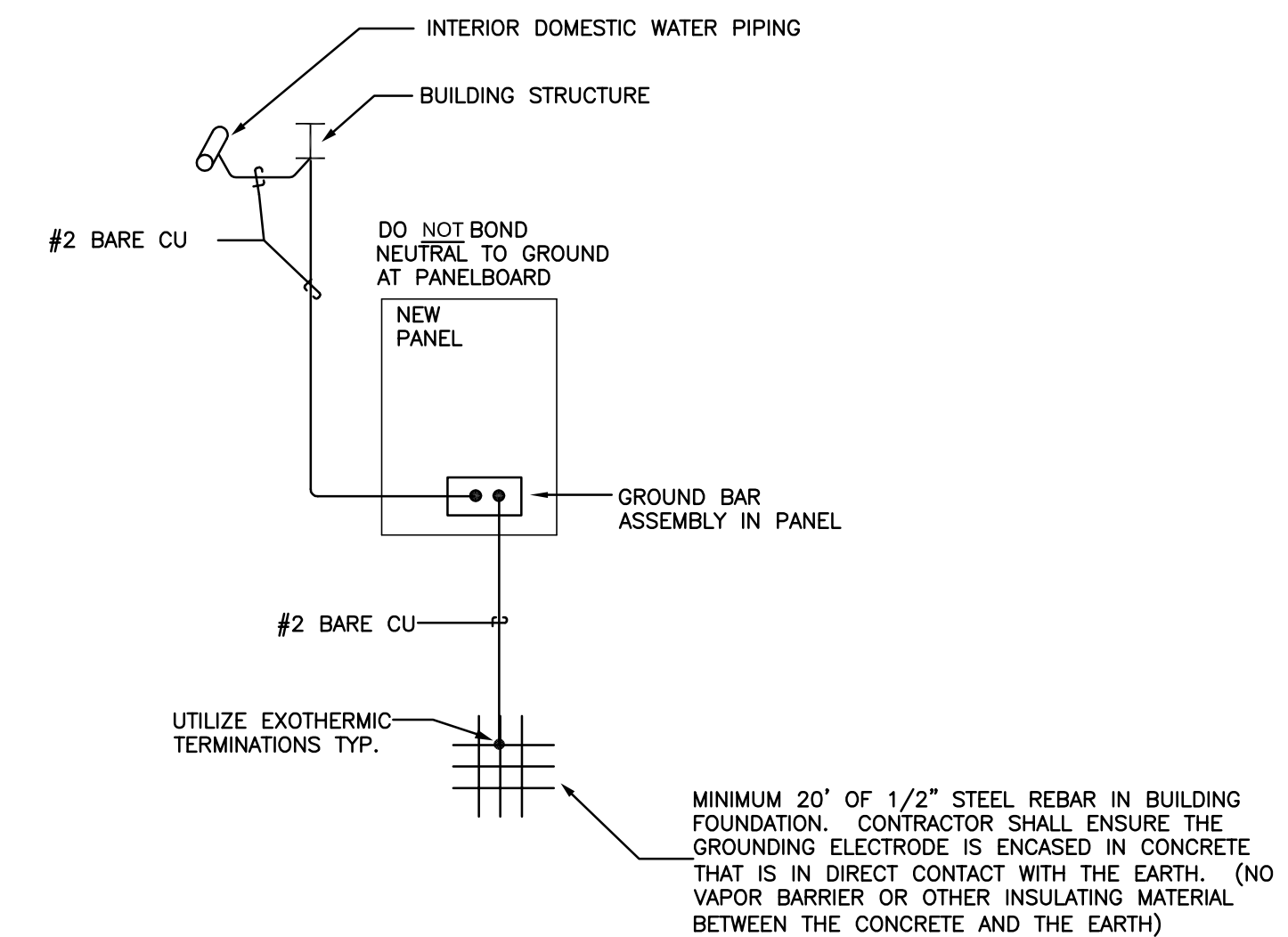


ELECTRICAL RISER DIAGRAM DRAWING NOTES:

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03 KITCHEN ELECTRICAL GROUNDING DETAIL
SCALE: NONE



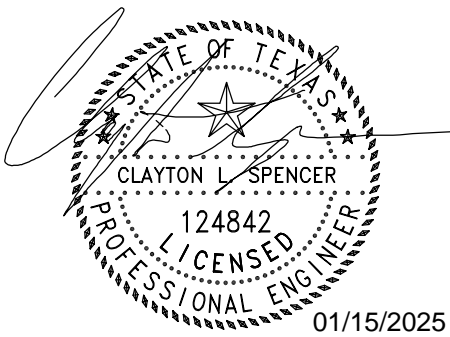
02 BATH HOUSE ELECTRICAL GROUNDING DETAIL
SCALE: NONE

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MECHANICAL ELECTRICAL PLUMBING



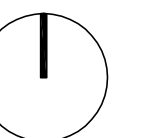
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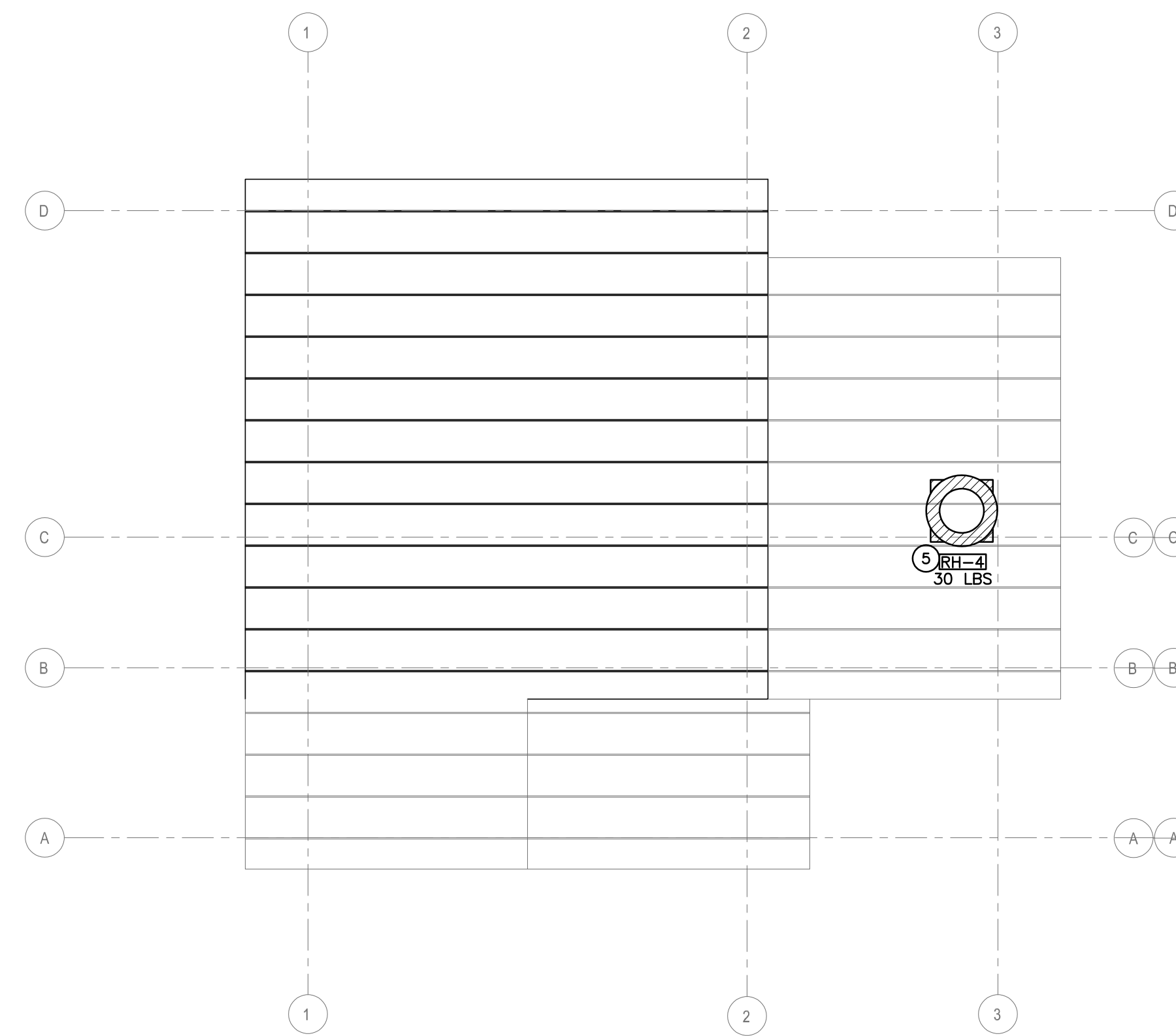
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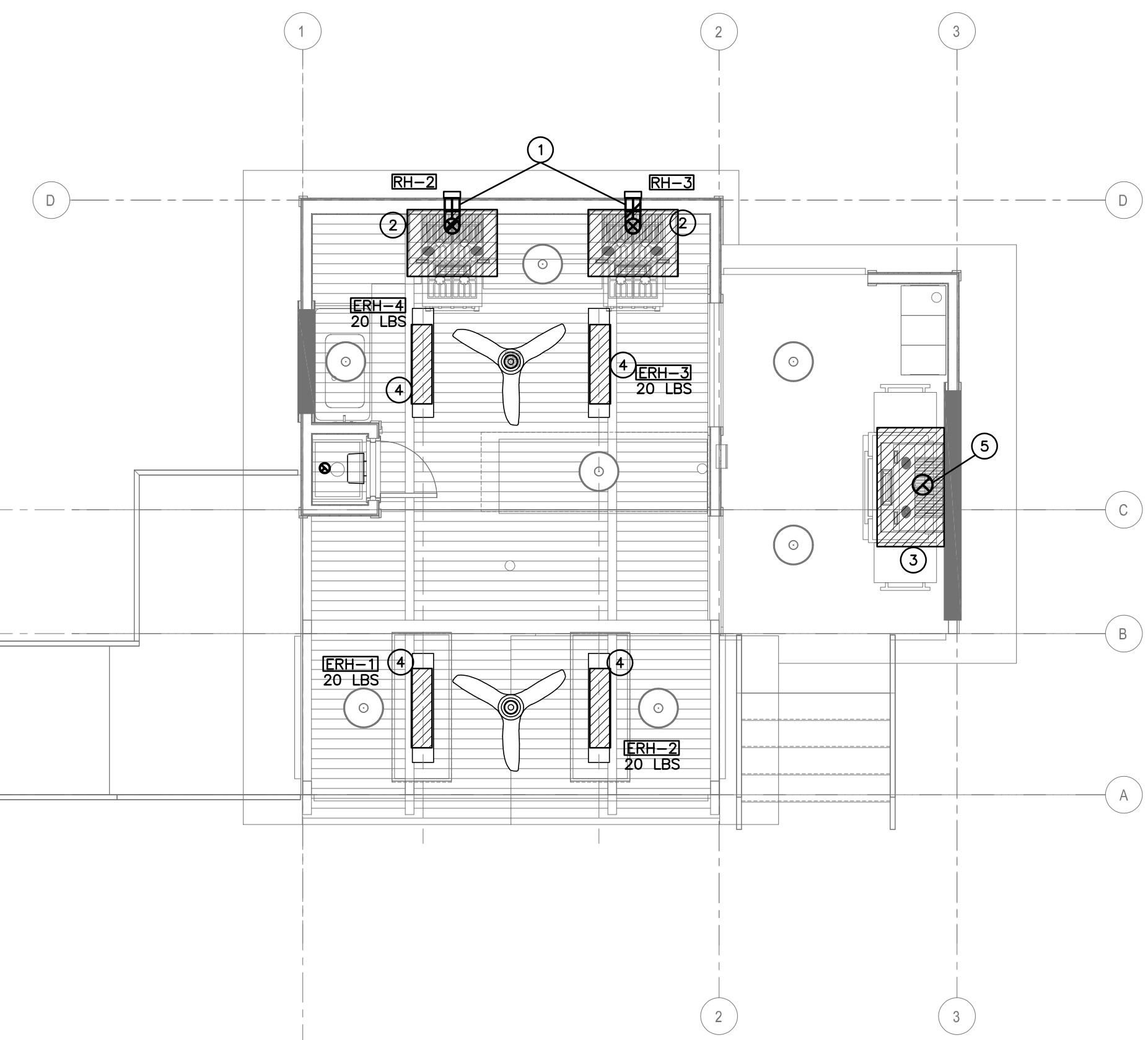
Project Number: 24-093a

ELECTRICAL RISER
DIAGRAMS AND
SCHEDULES -
NEIGHBORHOOD 9

E502



02 MECHANICAL KITCHEN ROOF PLAN
Scale: 1/4" = 1'-0"



01 MECHANICAL KITCHEN PLAN
Scale: 1/4" = 1'-0"

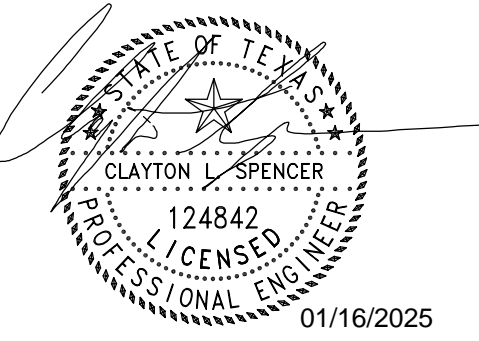
GENERAL NOTES:

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2. 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 INFORMATION.
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.

KEYED 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.

Seal:



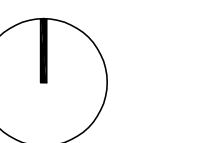
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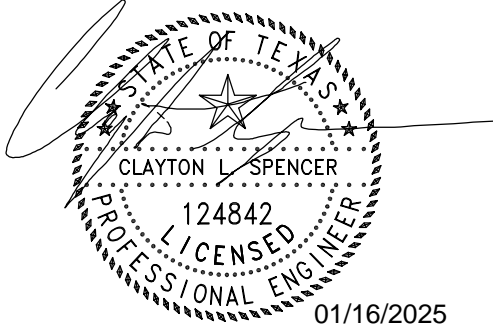
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Project Number: 24-093a

MECHANICAL KITCHEN
PLAN & ROOF PLAN

M201

Seal:

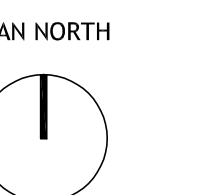


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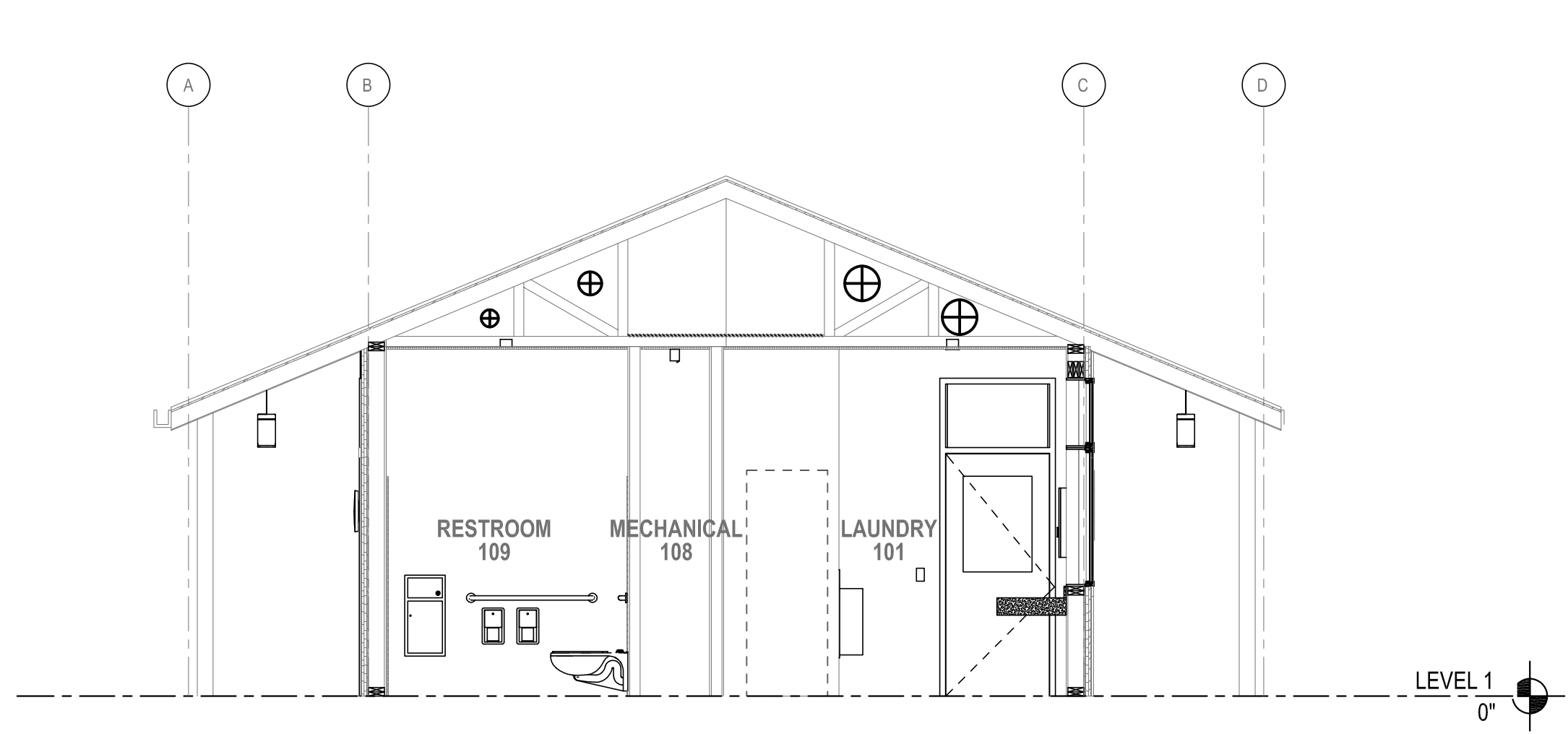


Issue
01.15.25
ISSUE FOR
CONSTRUCTION

Project Number: 24-093a

MECHANICAL BATH HOUSE
PLAN & ROOF PLAN

M202



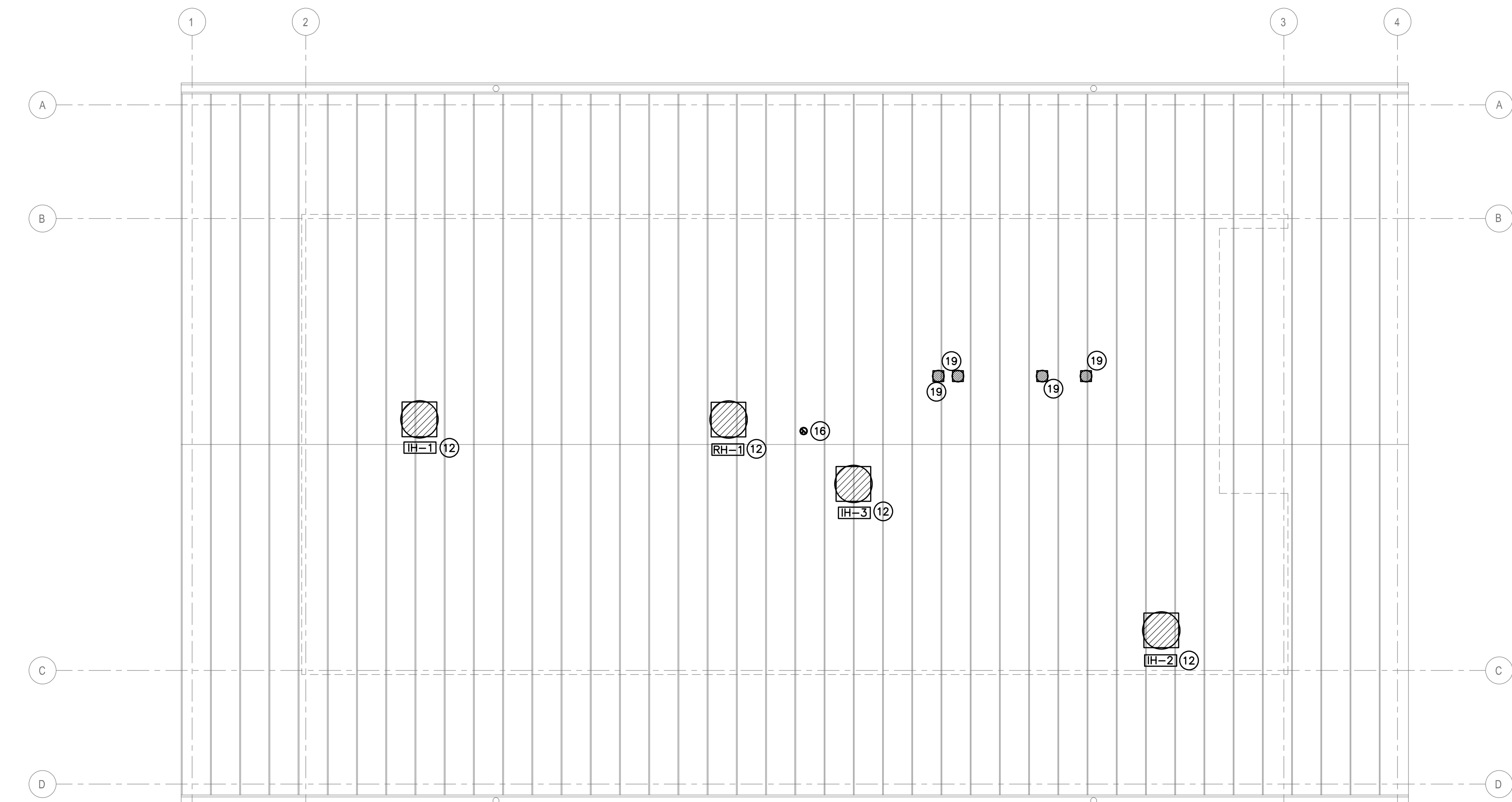
03 MECHANICAL BATH HOUSE SECTION PLAN
Scale: 1/4" = 1'-0"

GENERAL NOTES:

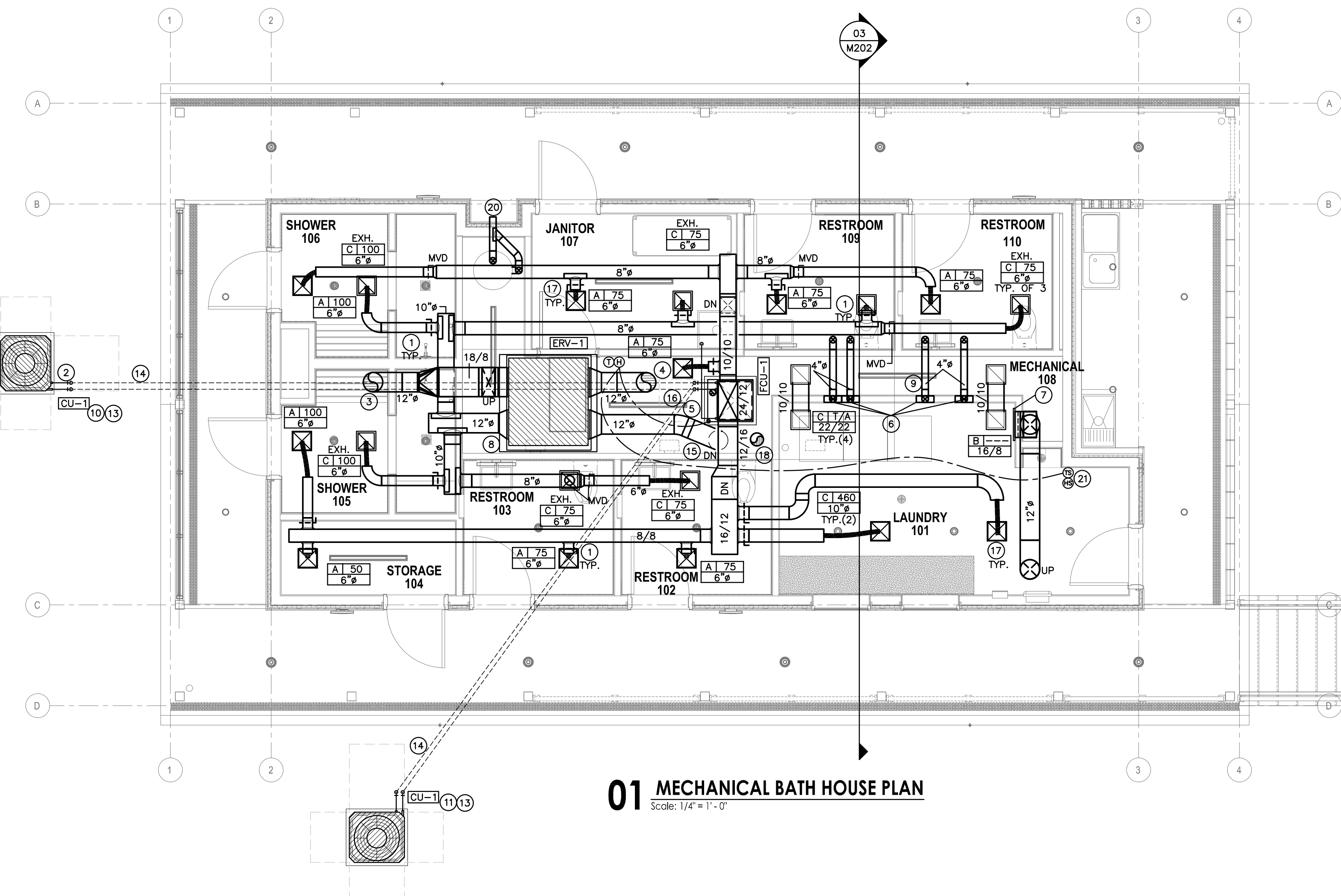
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6. VERIFY EXACT REQUIREMENTS AND OPERATION OF EXISTING BUILDING CONTROL SYSTEM WITH BUILDING OWNER PRIOR TO SUBMITTING A BID.
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8. MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCE FOR NEW AND 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.

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 PLUMBING
- 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.
- ⑦ 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.
- ⑫ PROVIDE RELIEF AND INTAKE HOODS WHERE SHOWN. COORDINATE WITH ROOFING CONTRACTOR AND ARCHITECTURAL.
- ⑬ PROVIDE HOUSEKEEPING PAD.
- ⑭ 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.
- ⑱ 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.
- ⑳ PROVIDE PVC FLUE AND COMBUSTION PIPE FROM WATER HEATER. PROVIDE CONCENTRIC VENT THRU WALL.
- ㉑ PROVIDE LOCKABLE COVER FOR REMOTE TEMPERATURE AND HUMIDITY SENSOR.



02 MECHANICAL BATH HOUSE ROOF PLAN
Scale: 1/4" = 1'-0"



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

SPLIT SYSTEM A/C UNIT WITH HOT GAS REHEAT SCHEDULE (R-454B)																													
EVAPORATOR MARK	SERVES	POSITION	TOTAL AIRFLOW CFM	MIN. OUTSIDE AIR CFM	EXT. S.P. DROP IN.	COOLING CAPACITY DATA				GAS FIRED HEATING DATA				EVAPORATOR ELECTRICAL DATA					EVAPORATOR MANUFACTURER AND MODEL NUMBER	INDOOR UNIT WEIGHT (LBS)	AIR COOLED CONDENSER MARK	OUTDOOR AMBIENT TEMP. °F	CONDENSER ELECTRICAL DATA				CONDENSER MANUFACTURER AND MODEL NUMBER	OUTDOOR UNIT WEIGHT (LBS)	MINIMUM ENERGY EFFICIENCY RATING SEER2
						ENTERING AIR		TOTAL MBH	SENSIBLE MBH	STAGES	MAXIMUM MBH INPUT	MINIMUM REQUIRED HEAT (MBH)	HP	VOLTS	PH	MCA	MOCOP	VOLTS					PH	MCA	MOCOP				
						°F DB	°F WB																						
FCU-1	SEE PLANS	VERTICAL	1620		0.50	79	66	44.2	37.6	1	110	39.7	1	230	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:

- 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.
- PROVIDE CONDENSATE PUMP. LITTLE GIANT 20VCM-ULS 120-VOLT WITH SAFETY SWITCH AND INTEGRAL CHECK VALVE. INSULATE TANK.

ENERGY RECOVERY VENTILATOR															
MARK	OUTDOOR AIR		EXHAUST AIR		SUMMER PERFORMANCE			WINTER PERFORMANCE			ELECTRICAL: 240V 1PH			MANUFACTURER AND MODEL NUMBER	WEIGHT LB
	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		
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-S15SS-DDN3-L	401

NOTES:

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

AIR DISTRIBUTION DEVICE SCHEDULE						
MARK	SERVICE	TYPE	FINISH	NECK INCHES SQUARE	FACE INCHES SQUARE	MANUFACTURER AND MODEL NUMBER
A	SUPPLY	SQUARE CEILING DIFFUSER	REF. ARCH.	SEE PLANS	12"x12"	TITUS MODEL OMNI - AA
B	RETURN	SIWALL GRILLE	REF. ARCH.	SEE PLANS	NECK+2"	TITUS MODEL 350RLF
C	EXHAUST	EGGCRATE	REF. ARCH.	10"x10"	12"x12"	TITUS MODEL 50F

NOTES:

- 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.
- 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.
- SUPPLY AIR DEVICES SHALL BE FOUR-WAY THROW UNLESS INDICATED OTHERWISE BY ARROWS ON PLANS.
- CONTRACTOR SHALL VERIFY CEILING TYPE WITH ARCHITECT AND PROVIDE FRAMING FOR ALL AIR DEVICES.
- COORDINATE FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING. SUBMIT COLOR CHART TO ARCHITECT.
- CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT FOR MOUNTING HEIGHT OF ALL SIWALL GRILLES.

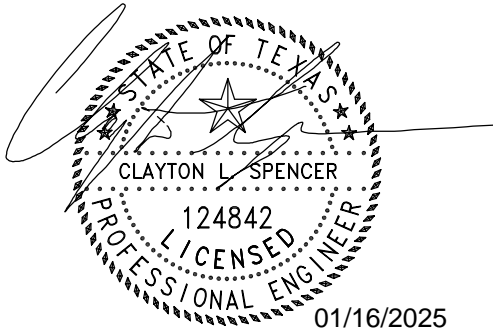
ELECTRIC RADIANT HEATER SCHEDULE									
MARK	LOCATION	TYPE	ELECTRICAL DATA			HEAT AREA	WEIGHT	COLOR	MANUFACTURER AND MODEL NUMBER
			VOLTS	AMPS	PH				
ERH-(1-4)	KITCHEN	SUSPENDE	240	8.3	1	65	20	BLACK	TUNGSTEN - BH0420030

HOOD SCHEDULE						
MARK	LOCATION	SERVICE	TOTAL CFM	TOTAL S.P. IN. WG	TOTAL THROAT AREA FT²	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

NOTES:

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

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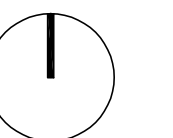


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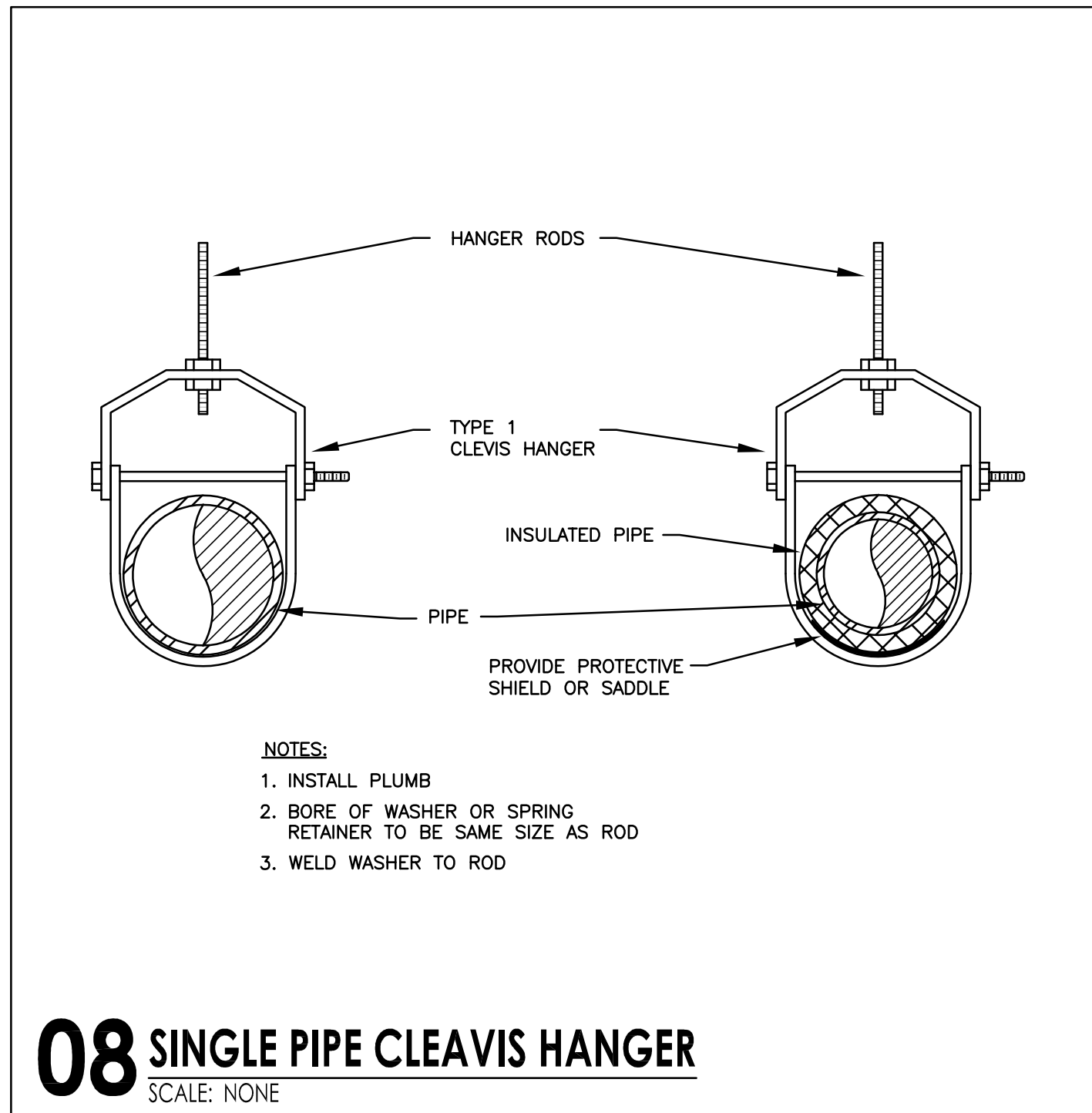
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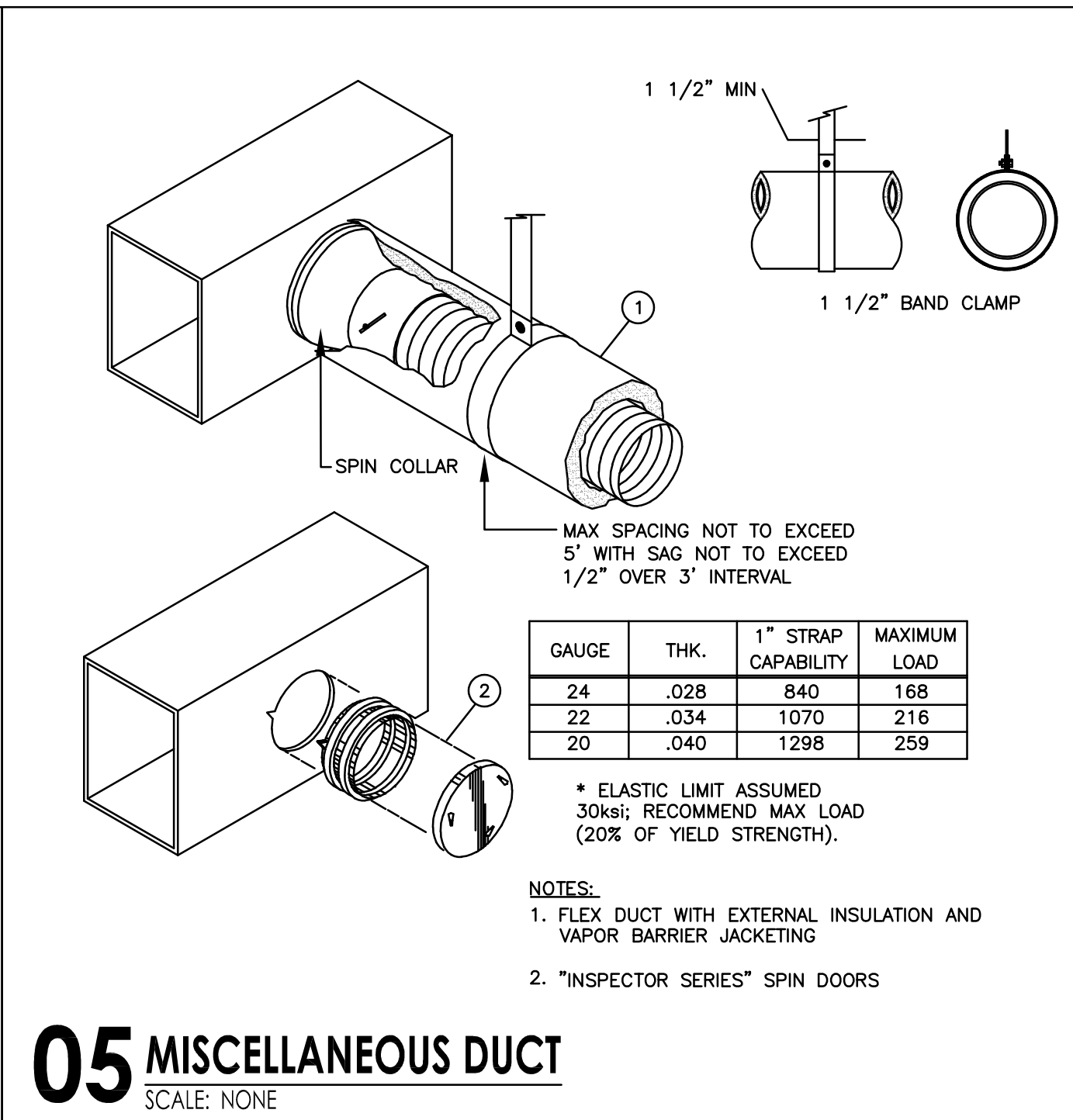
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MECHANICAL
SCHEDULES

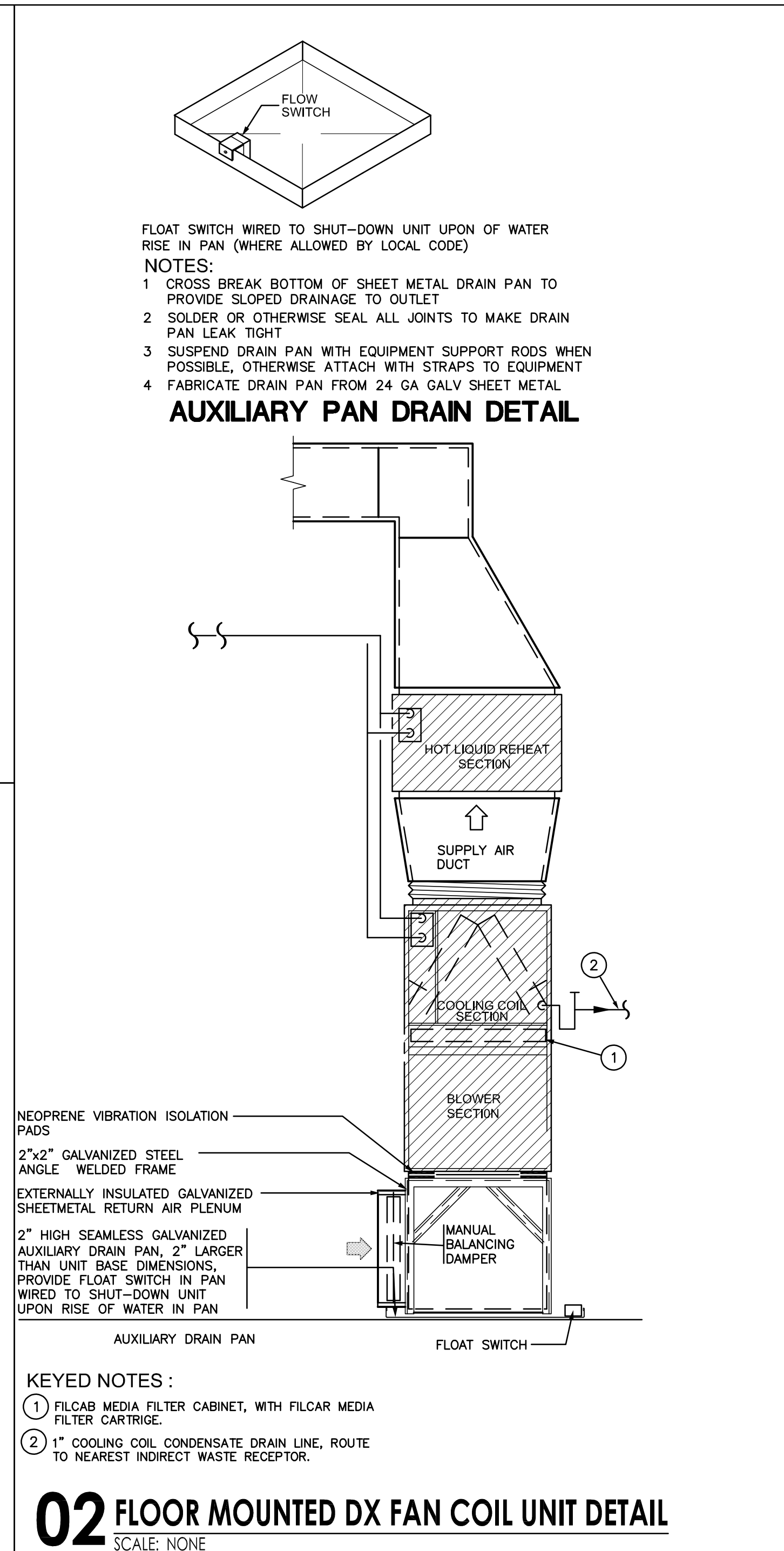
M501



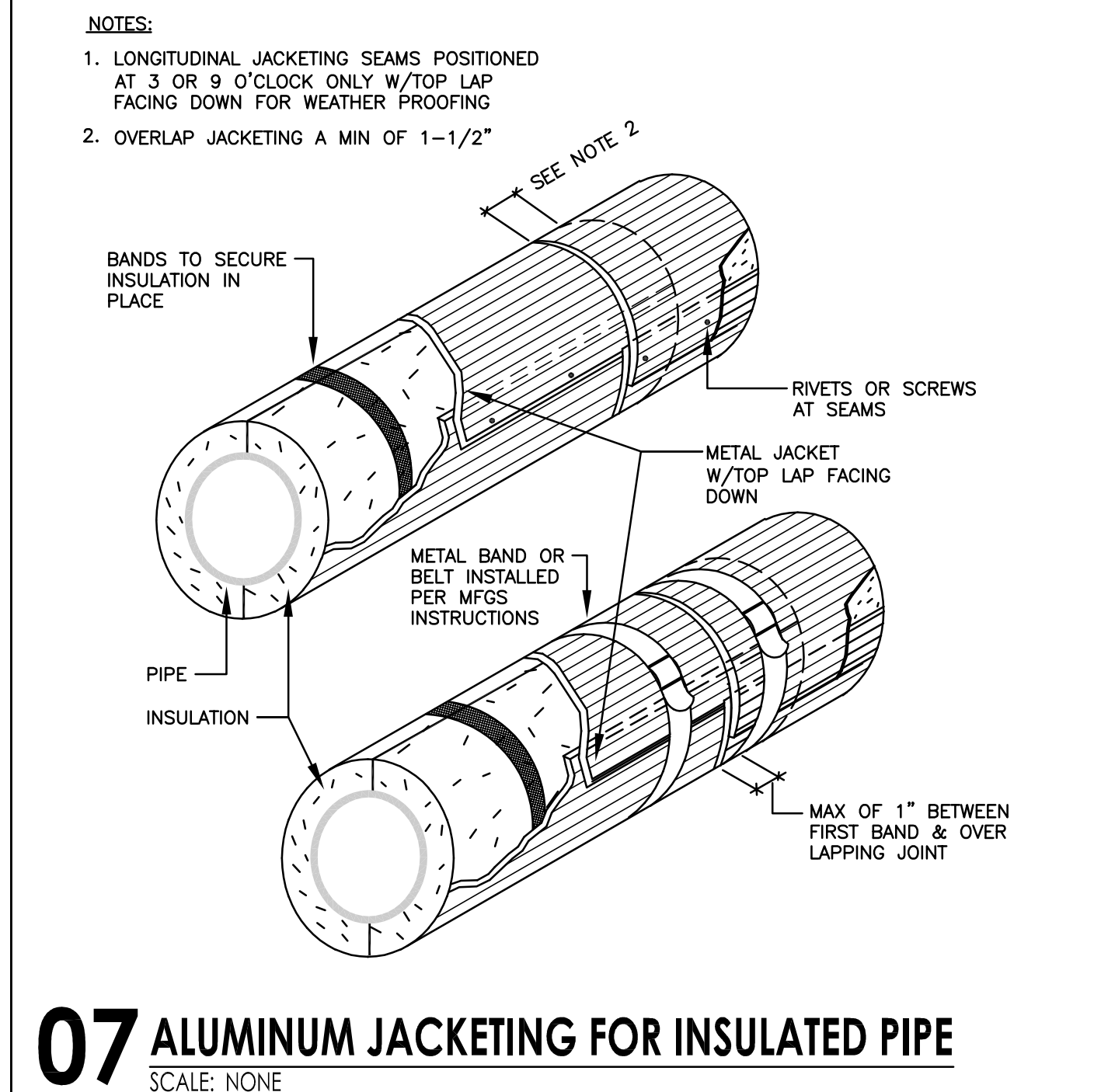
08 SINGLE PIPE CLEAVIS HANGER
SCALE: NONE



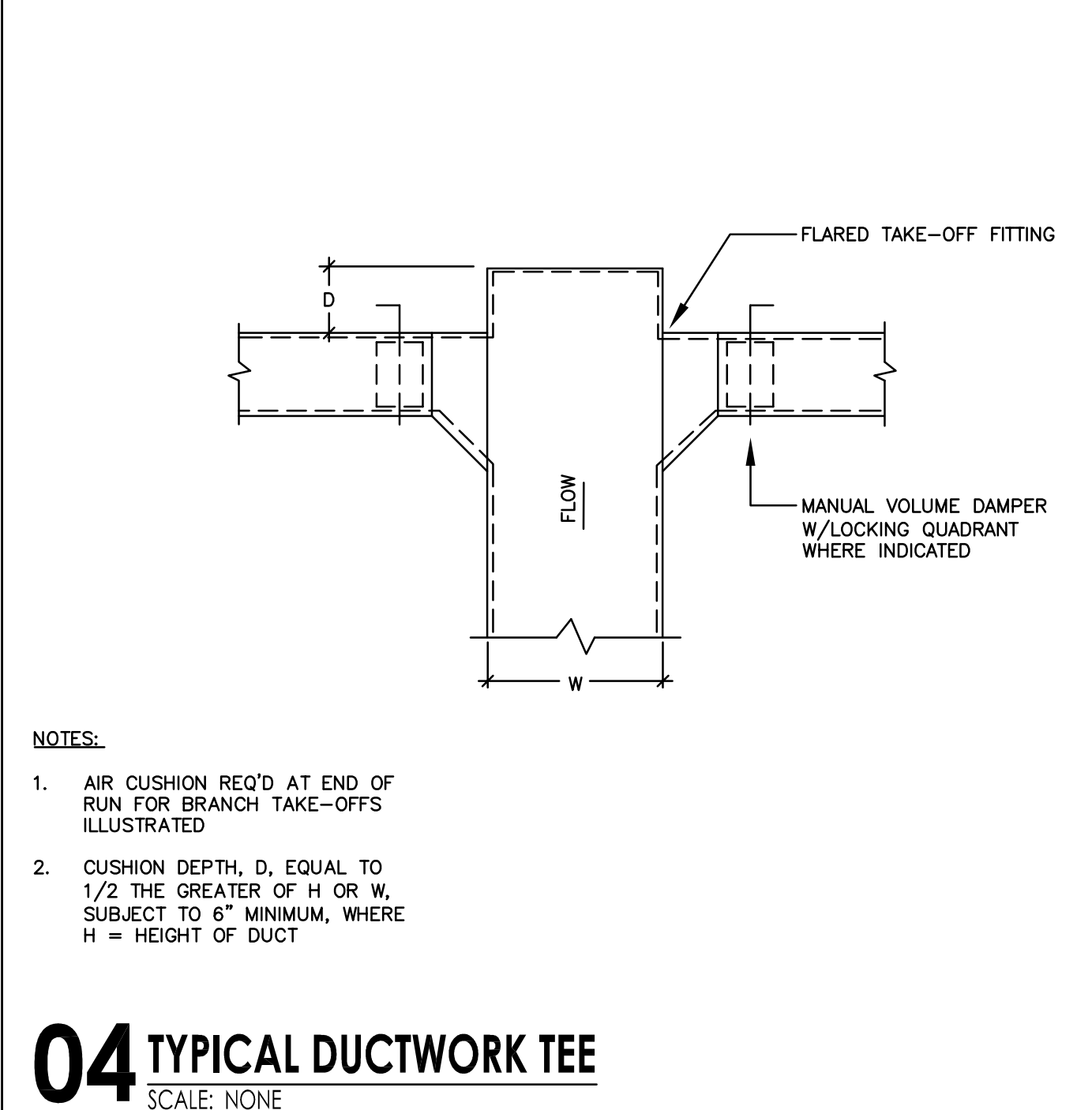
05 MISCELLANEOUS DUCT
SCALE: NONE



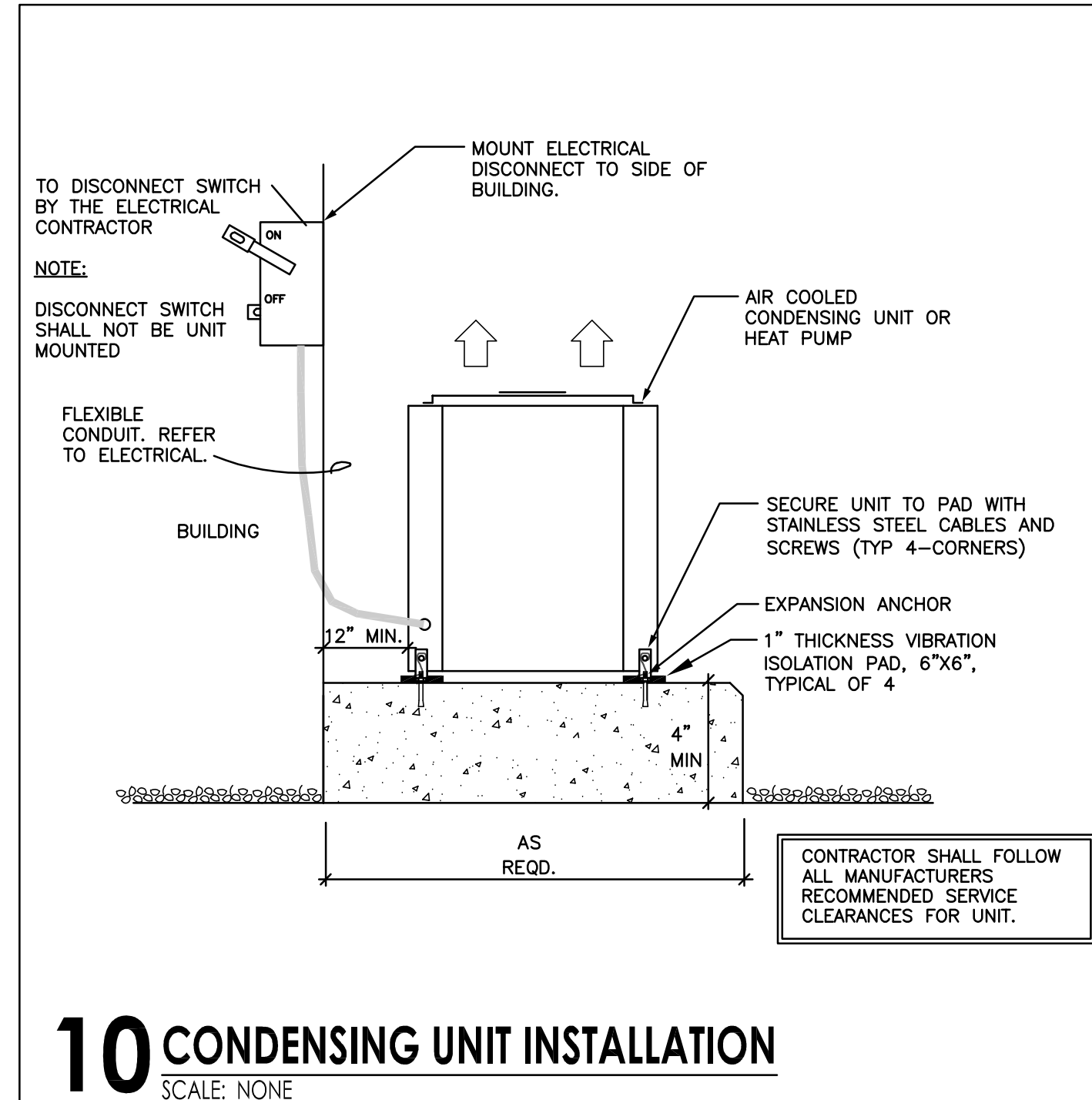
02 FLOOR MOUNTED DX FAN COIL UNIT DETAIL
SCALE: NONE



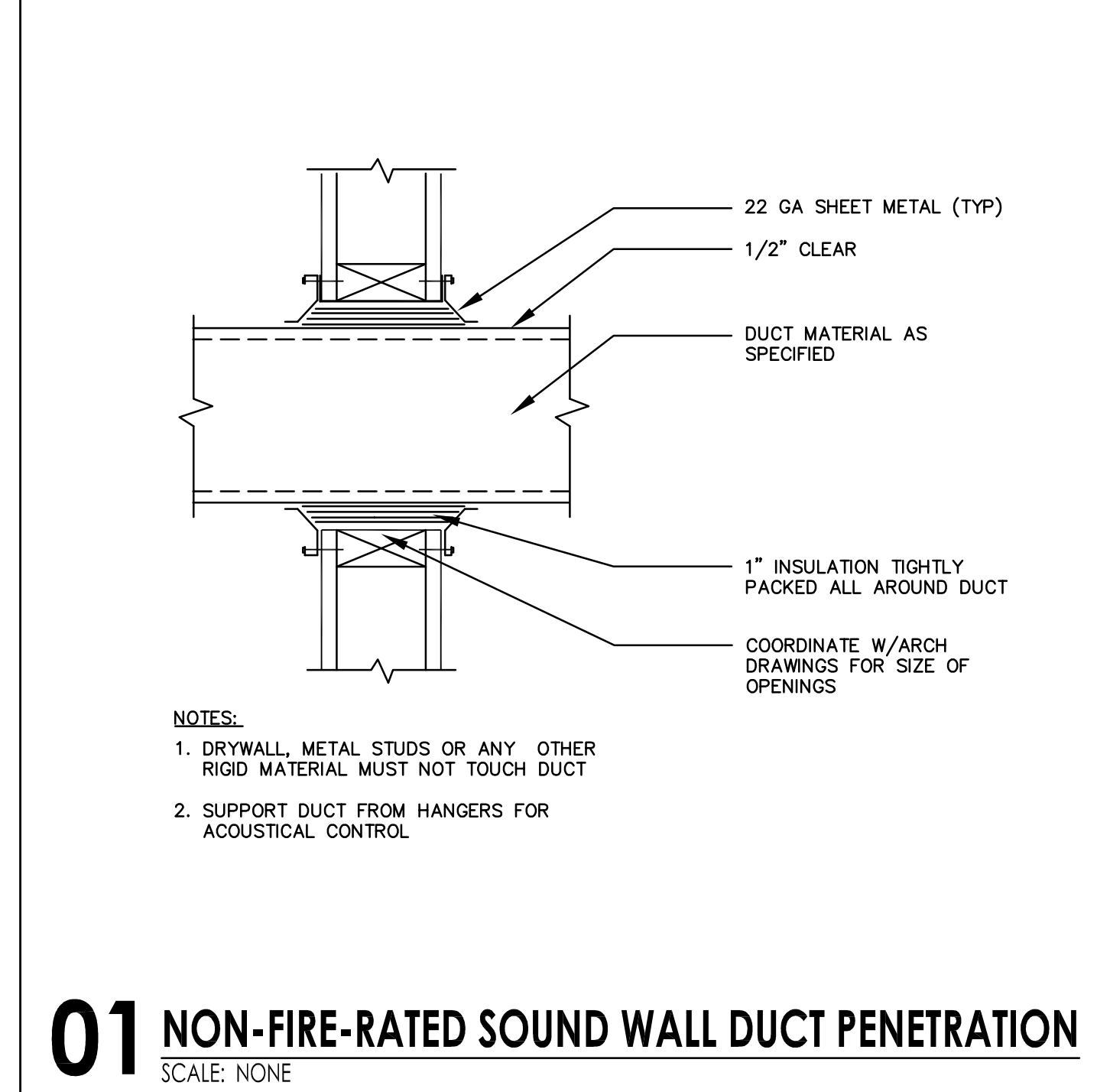
07 ALUMINUM JACKETING FOR INSULATED PIPE
SCALE: NONE



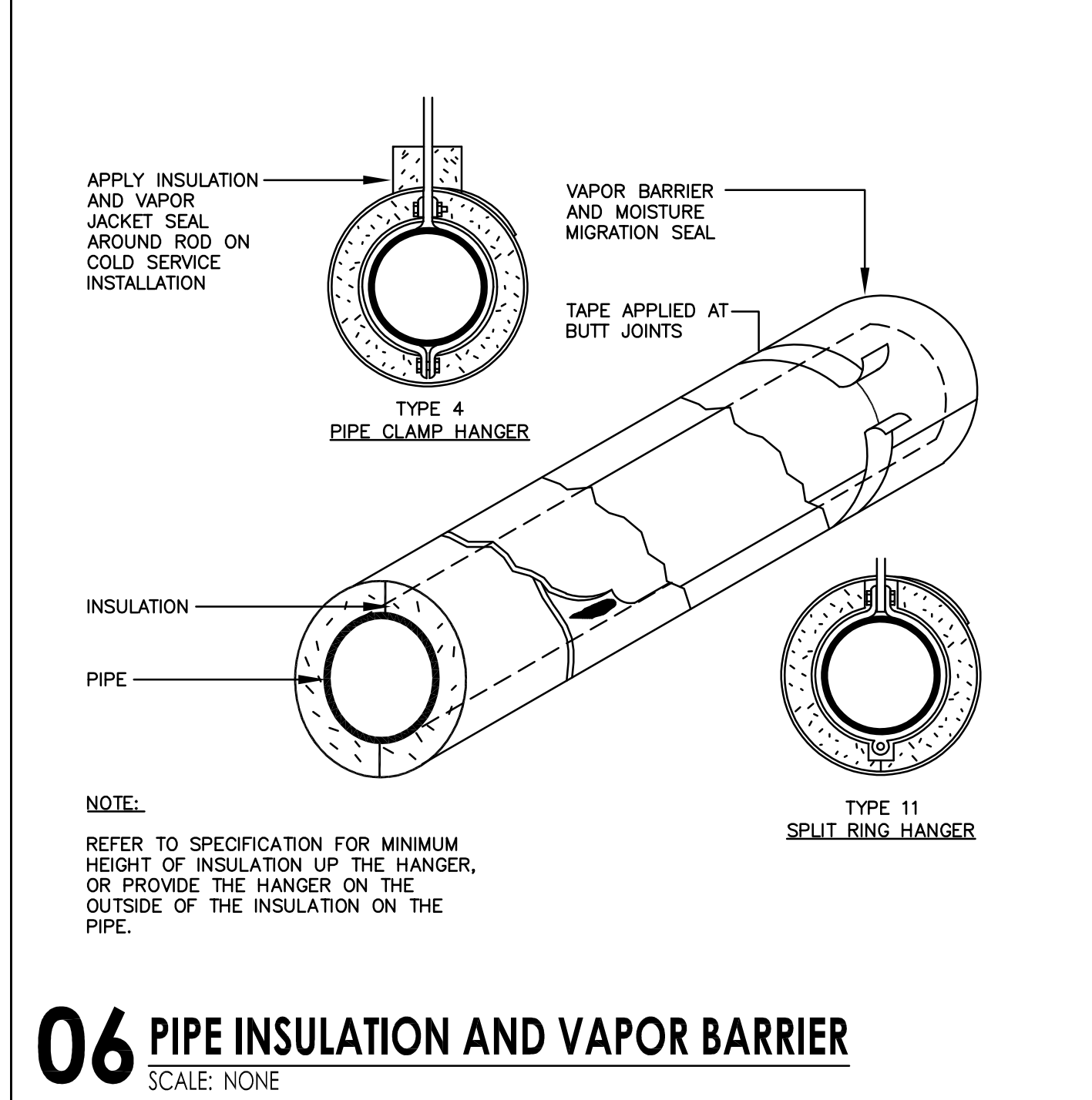
04 TYPICAL DUCTWORK TEE
SCALE: NONE



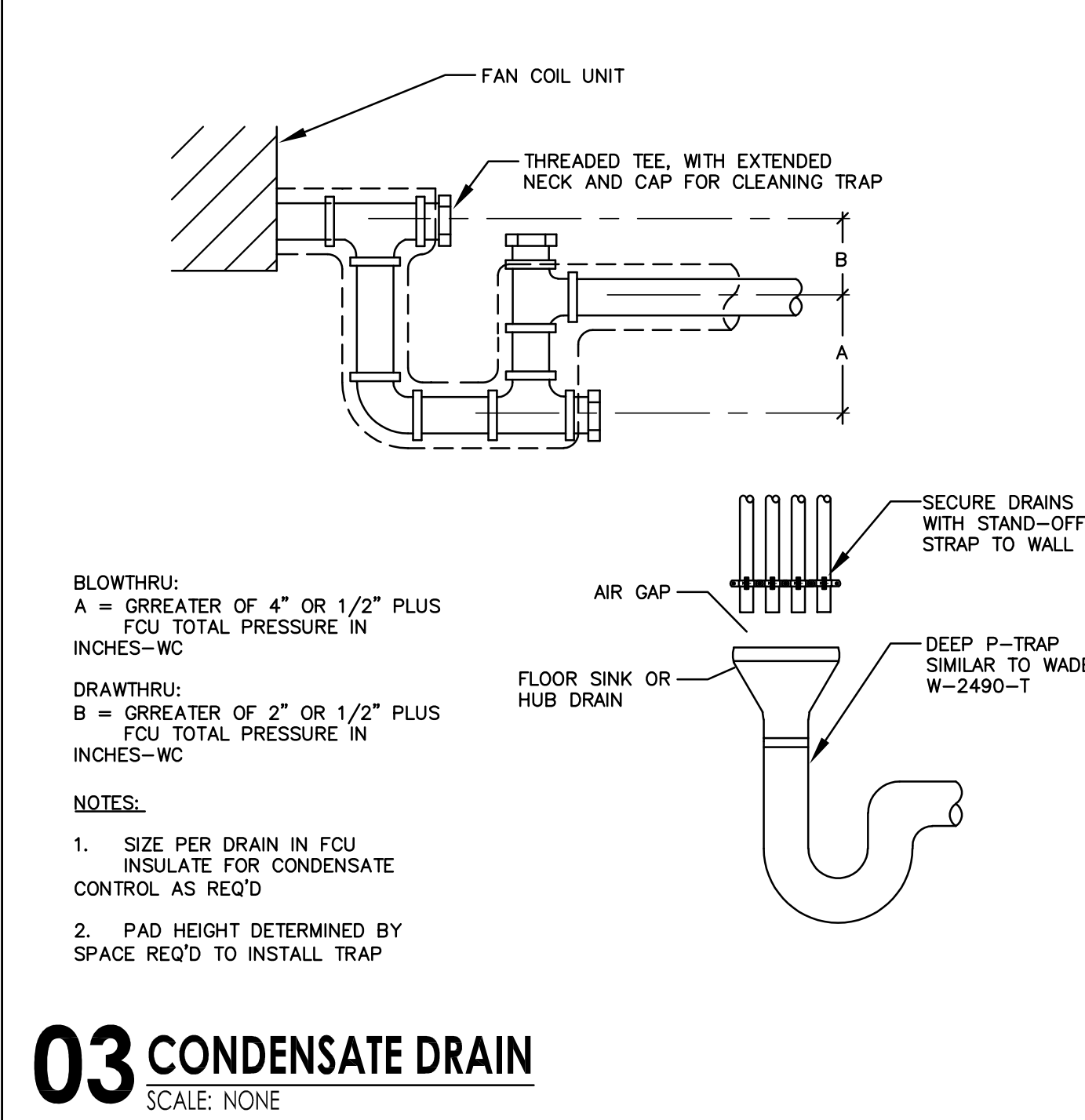
10 CONDENSING UNIT INSTALLATION
SCALE: NONE



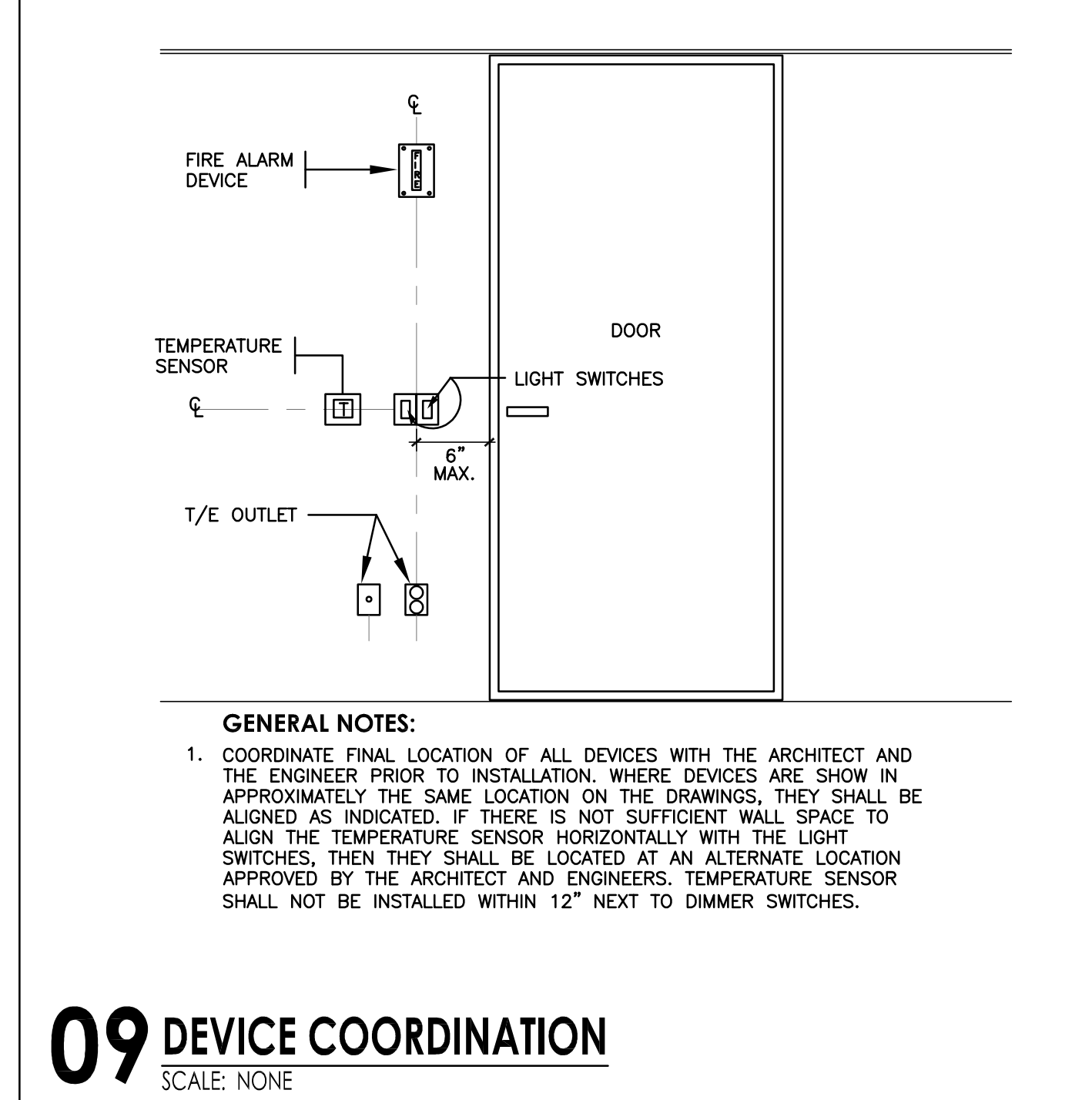
01 NON-FIRE-RATED SOUND WALL DUCT PENETRATION
SCALE: NONE



06 PIPE INSULATION AND VAPOR BARRIER
SCALE: NONE



03 CONDENSATE DRAIN
SCALE: NONE



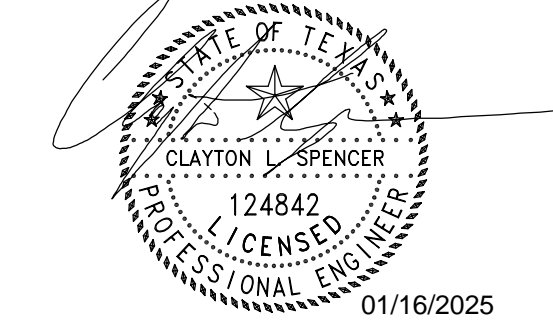
09 DEVICE COORDINATION
SCALE: NONE

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MECHANICAL
DETAILS

M601

ABBREVIATIONS

Table with 2 columns: MARK, DESCRIPTION. Lists abbreviations for plumbing and construction terms like AFF, AFG, AHU, AMP, etc.

PLUMBING SYMBOLS

Table showing plumbing symbols and their descriptions: COLD WATER SUPPLY, NON-POTABLE WATER, HOT WATER SUPPLY, etc.

PROJECT CLOSE-OUT

THE PLUMBING CONTRACTOR SHALL PERFORM THE FOLLOWING TASKS UPON PROJECT COMPLETION. ALL REQUIRED REPORTS AND AS-BUILTS SHALL BE SUBMITTED WITHIN TWO (2) WEEKS OF DATE OF SUBSTANTIAL COMPLETION OR OWNER OCCUPANCY.

PLUMBING DESIGN CRITERIA

SANITARY DRAINAGE AND VENT PIPING
SIZED PER TABLE 703.2, WITH 1/4" PER FOOT FOR PIPES 3" AND SMALLER AND 1/8" PER FOOT FOR PIPES 4" AND LARGER, UNLESS OTHERWISE NOTED.

DOMESTIC WATER PIPE INSULATION NOTES

ALL DOMESTIC WATER PIPING SHALL BE INSULATED WITH FIBERGLASS INSULATION WITH AN ALL-SERVICE JACKET OR "AP" ARMAFLEX FLEXIBLE ELASTOMERIC PIPE INSULATION. ELBOWS AND FITTINGS SHALL BE INSULATED AND COVERED WITH ZESTON 2000 25/50 FIRE/SMOKE RATED PVC JACKETS.

GENERAL PROVISIONS

FURNISH AND INSTALL ALL ITEMS, INCLUDING EVERY ARTICLE, DEVICE, OR ACCESSORY REASONABLY NECESSARY TO FACILITATE EACH SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT SPECIFIED.

PLUMBING GENERAL NOTES

REFER TO THE ARCHITECTURAL PLANS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES. REFER TO THE ARCHITECTURAL PLANS AND DETAILS FOR EXACT LOCATIONS OF ALL FLOOR DRAINS.

PLUMBING MATERIALS

SANITARY SEWER (WASTE) AND VENT PIPING
ABOVE GRADE: ASTM A888, HUBLESS CAST IRON, WITH CISPI 301 SPIGOT BEAD ENDS FOR COUPLING ASSEMBLY.

ACCESSIBILITY STANDARDS

AMERICANS WITH DISABILITIES ACT (ADA), ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES
TEXAS ACCESSIBILITY STANDARDS (TAS) OF THE ARCHITECTURAL BARRIERS ACT ARTICLE 9102, TEXAS CIVIL STATUTES

PRE-CONSTRUCTION PLUMBING

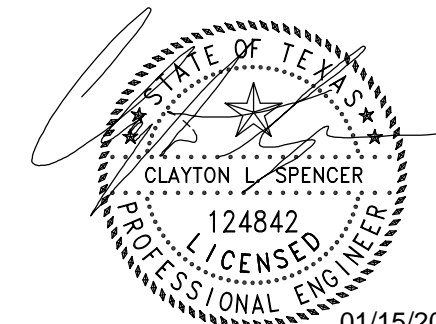
SYSTEM CHECK

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.

INDEX OF DRAWINGS

Table with 2 columns: NO., DESCRIPTION. Lists drawing numbers and descriptions like P000 PLUMBING COVER SHEET, P101 PLUMBING SITE PLAN - NEIGHBORHOOD 8, etc.

Seal:



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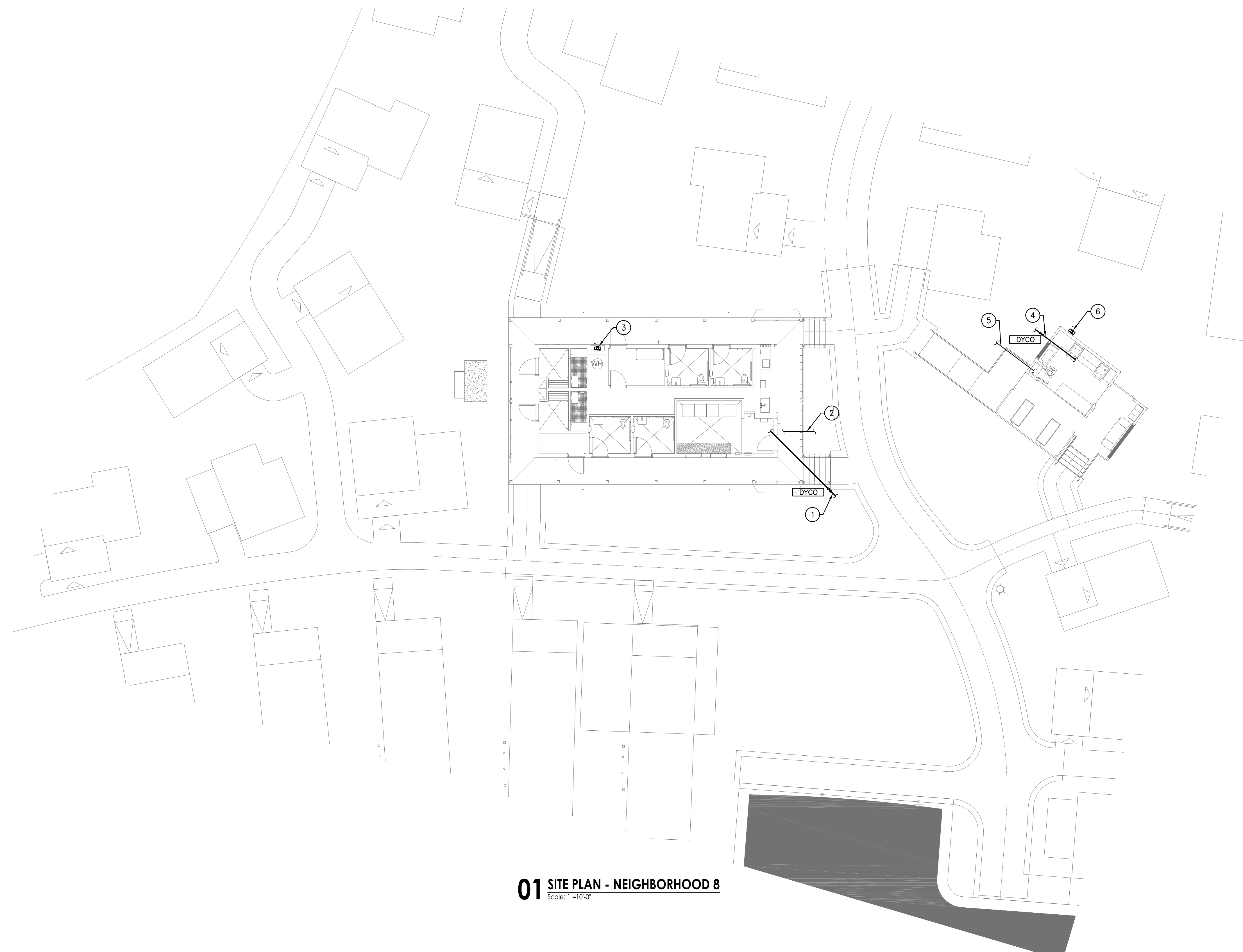
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PLUMBING COVER SHEET

P000



01 SITE PLAN - NEIGHBORHOOD 8
Scale: 1"=10'-0"

GENERAL NOTES:

1. REFER TO PLUMBING COVER SHEET FOR SYMBOLS, ABBREVIATIONS, AND ADDITIONAL INFORMATION.
2. SUPPLIES AND EQUIPMENT REMOVED DURING CONSTRUCTION SHALL BE RETURNED TO THE OWNER OR DISPOSED OF PROPERLY BY THE CONTRACTOR AT THE OPTION OF THE OWNER.
3. REFER TO RISER AND EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL SIZES AND ROUTING NOT INDICATED ON PLANS.

KEYED DRAWING NOTES:

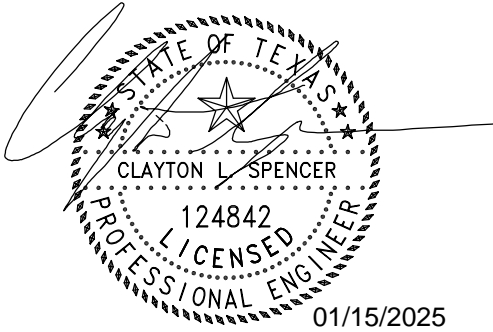
- ① 4" SANITARY SEWER TO WASTE WATER SYSTEM. REFER TO CIVIL FOR CONTINUATION BEYOND 5-FT OUTSIDE BUILDING.
- ② 2" DOMESTIC WATER. REFER TO CIVIL FOR CONTINUATION BEYOND 5-FT OUTSIDE BUILDING.
- ③ NEW GAS METER LOCATION. COORDINATE WITH TEXAS GAS SERVICE. TOTAL 409,000 BTU'S.
- ④ 4" SANITARY SEWER TO WASTE WATER SYSTEM. REFER TO CIVIL FOR CONTINUATION BEYOND 5-FT OUTSIDE BUILDING.
- ⑤ 1" DOMESTIC WATER. REFER TO CIVIL FOR CONTINUATION BEYOND 5-FT OUTSIDE BUILDING.
- ⑥ NEW GAS METER LOCATION. COORDINATE WITH TEXAS GAS SERVICE. TOTAL 284,000 BTU'S.

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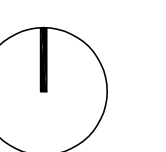
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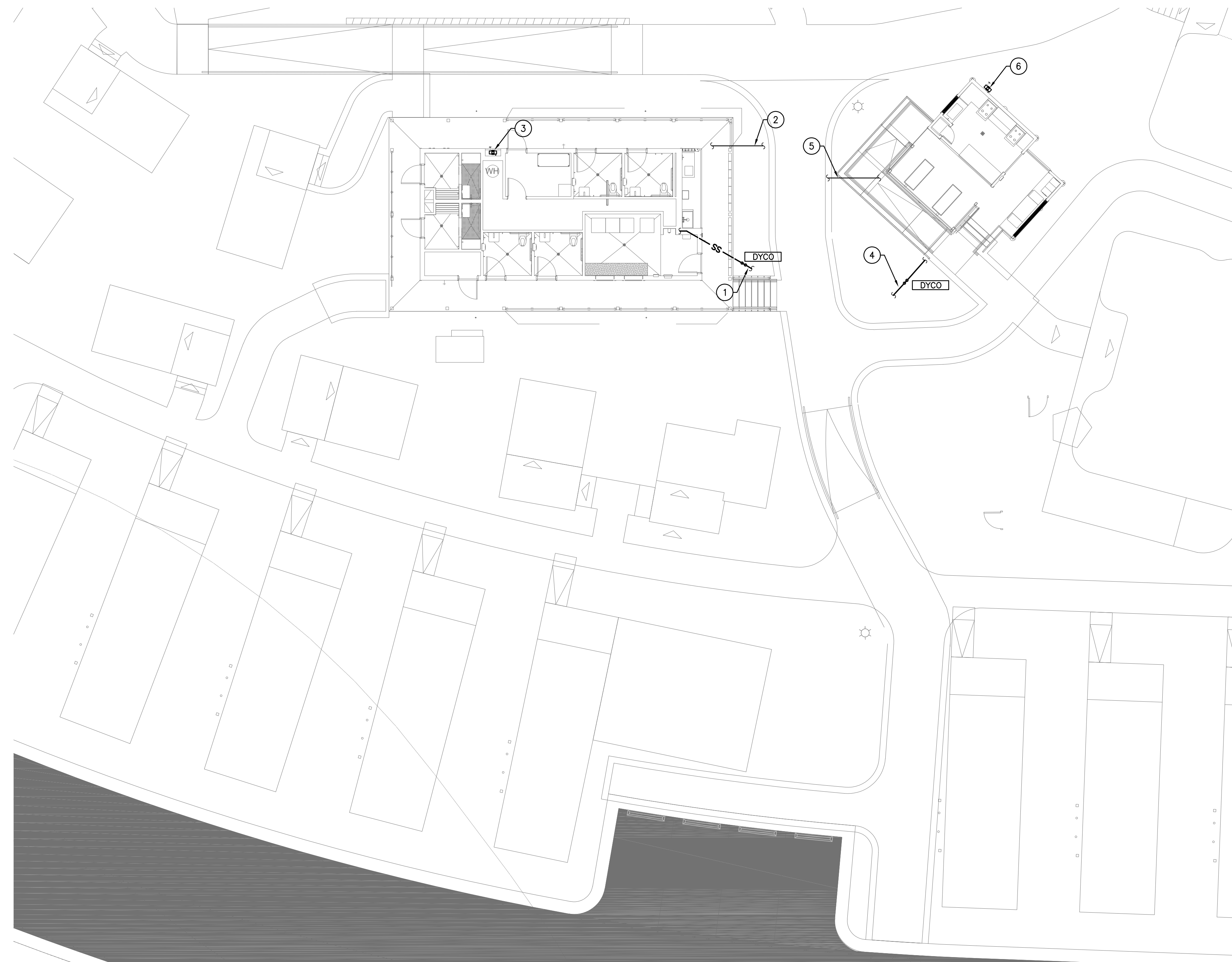
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PLUMBING SITE PLAN
- NEIGHBORHOOD 8

P101



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

GENERAL NOTES:

1. REFER TO PLUMBING COVER SHEET FOR SYMBOLS, ABBREVIATIONS, AND ADDITIONAL INFORMATION.
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KEYED DRAWING NOTES:

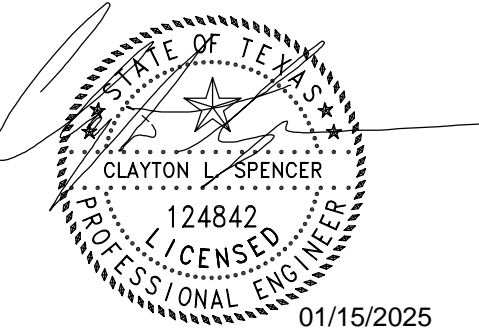
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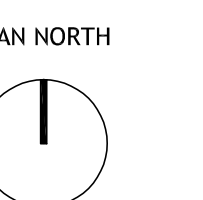


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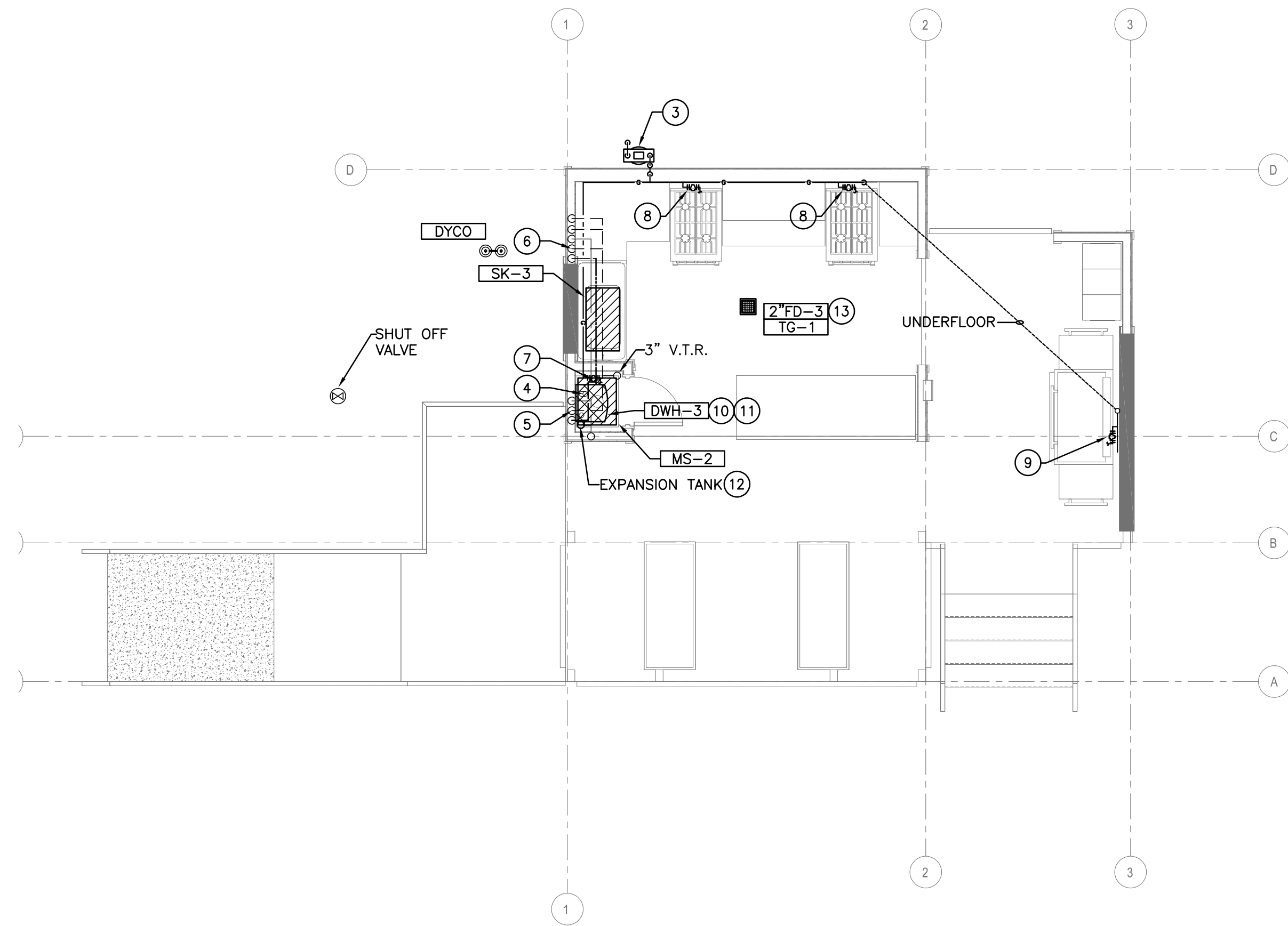


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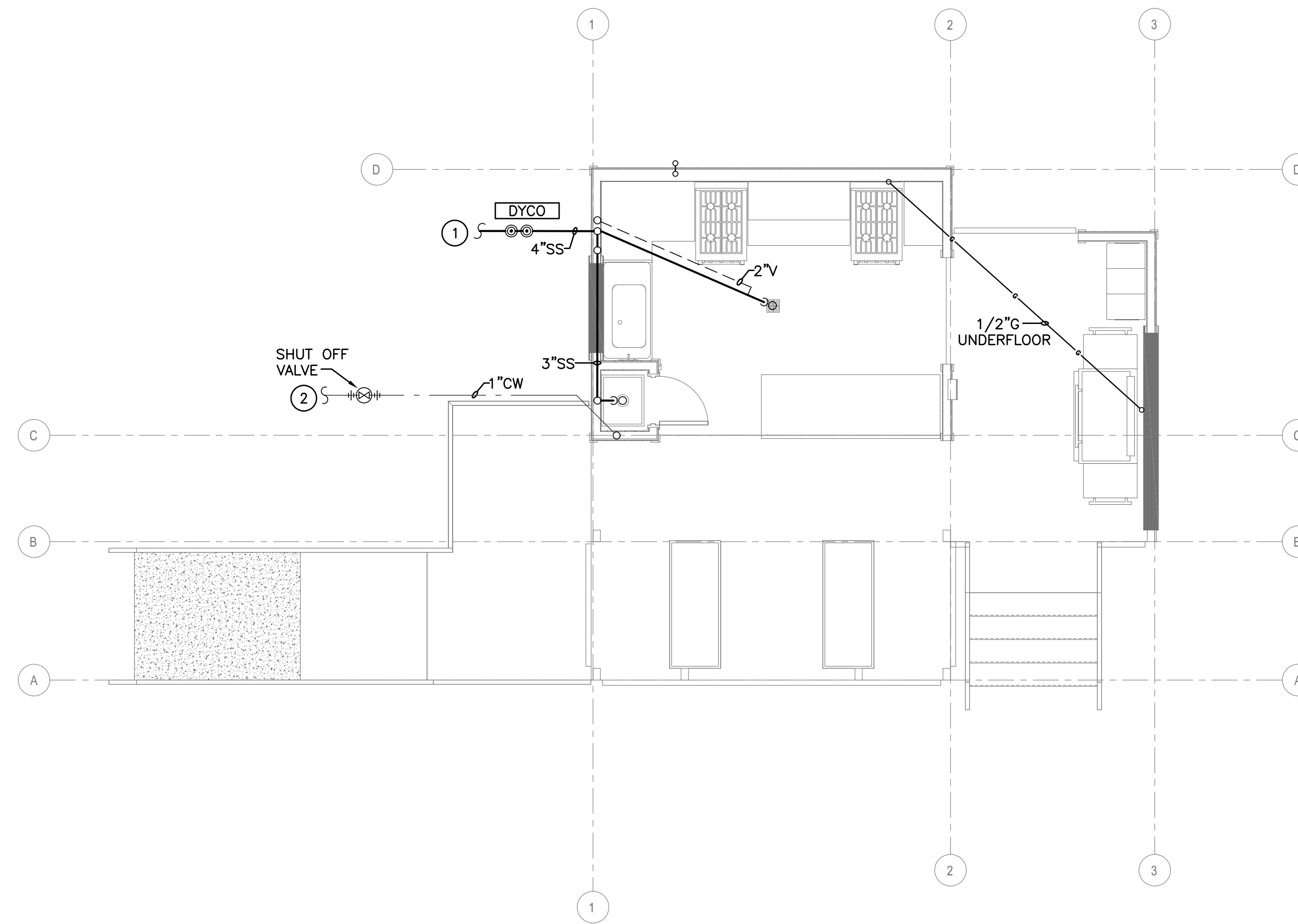
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PLUMBING SITE PLAN -
NEIGHBORHOOD 9

P102



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



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

GENERAL NOTES:

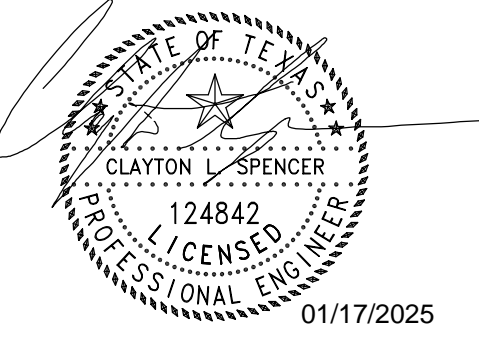
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- 10 MOUNT WATER HEATER ON BACK WALL WITH 60 INCH OF CLEARANCE FROM BOTTOM TO MOP SINK FOR ACCESSIBILITY.
- 11 ROUTE WATER HEATER RELIEF AND DRAIN INDEPENDENTLY TO MOP SINK (MS-2) PROVIDED, BELOW WATER HEATER. SIZE DRAINS PER EQUIPMENT MANUFACTURERS RECOMMENDATIONS PROVIDE MINIMUM 1" AIR GAP AT DRAIN DISCHARGE.
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Seal:



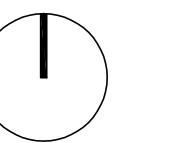
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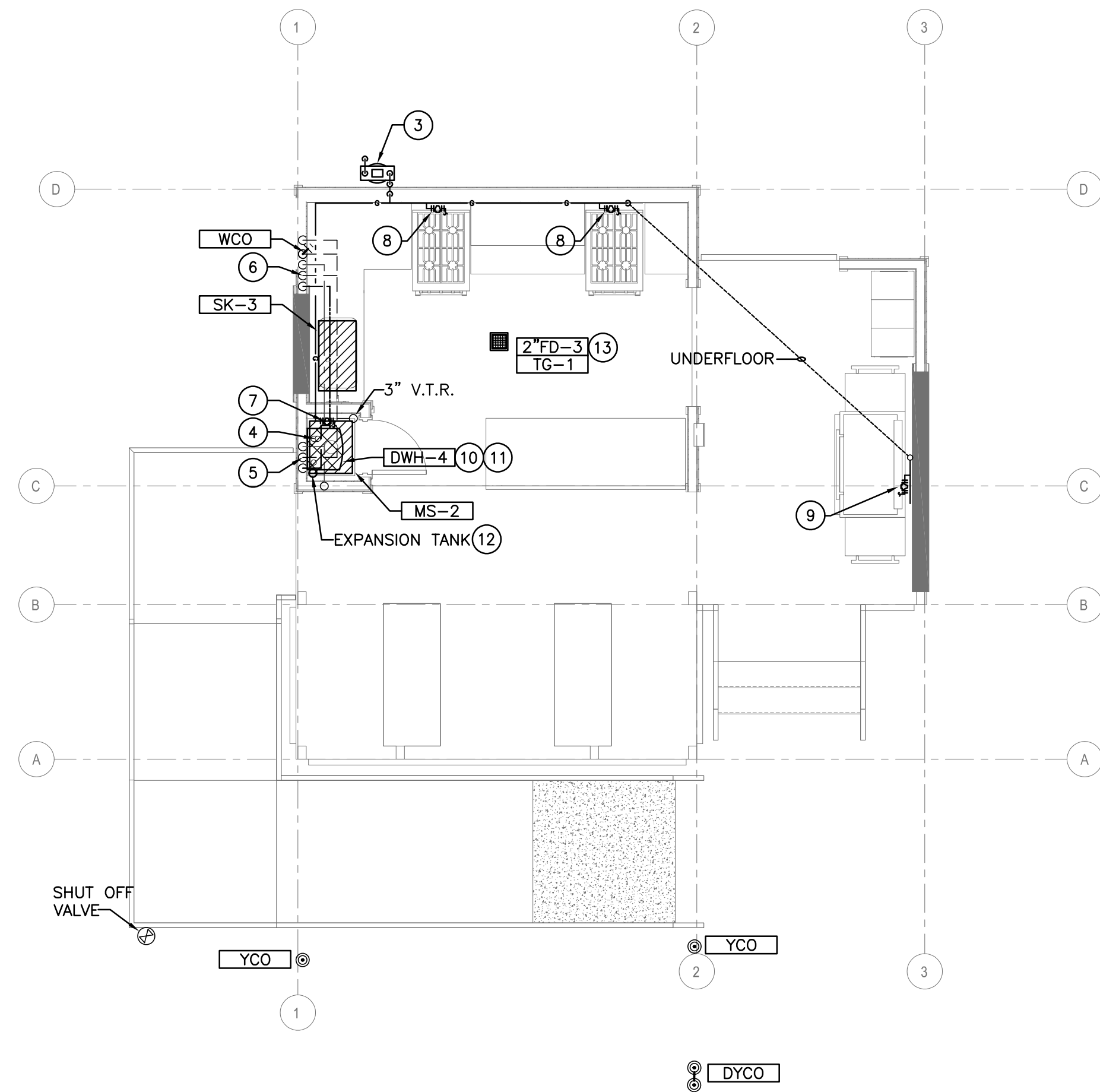
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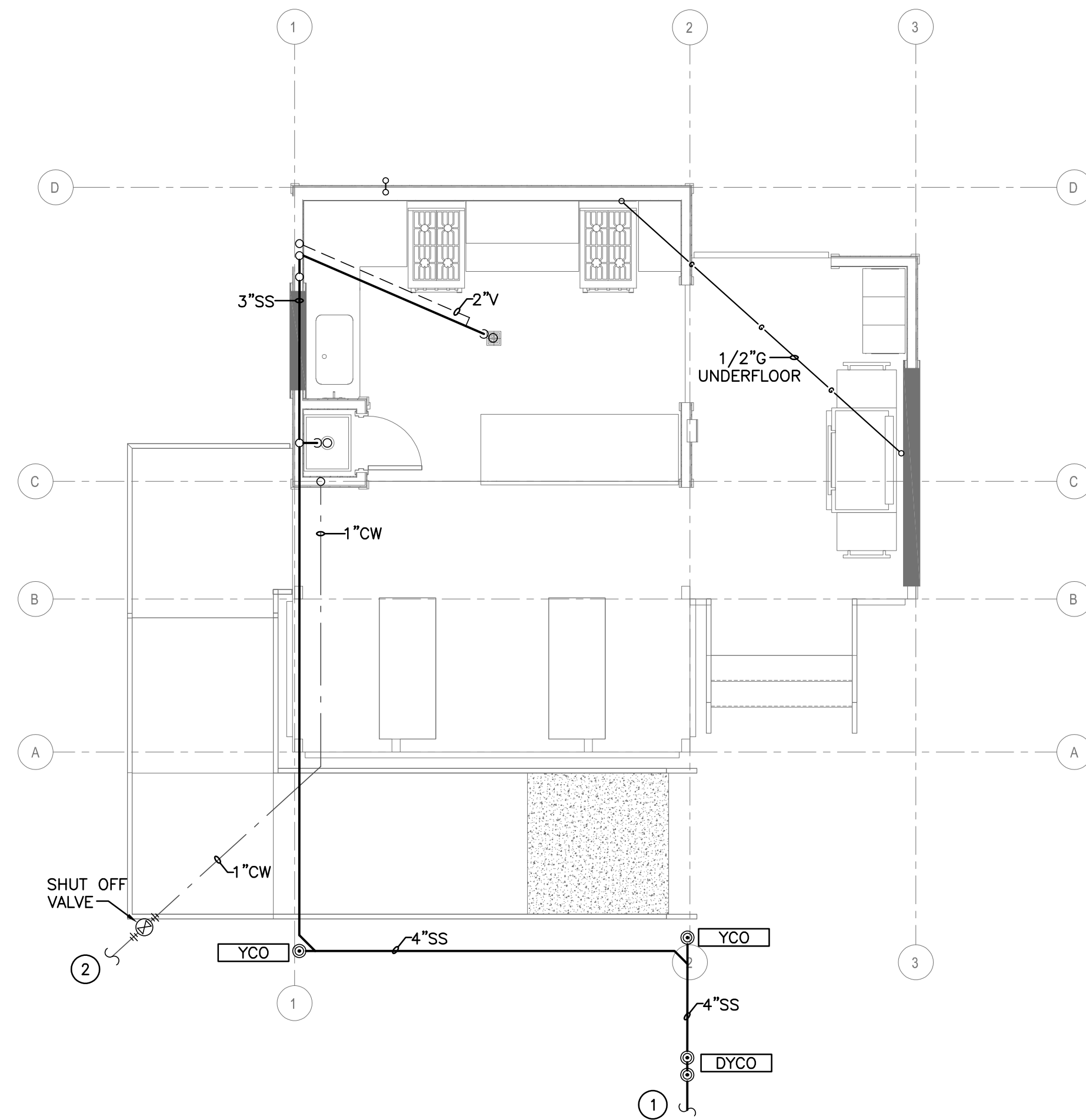
Project Number: 24-093a

PLUMBING KITCHEN
UNDERFLOOR PLAN AND FLOOR
PLAN- NEIGHBORHOOD 8

P201



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



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

GENERAL NOTES:

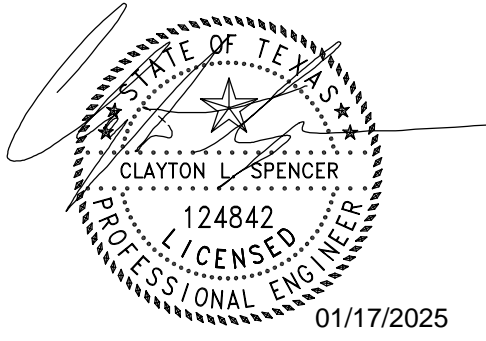
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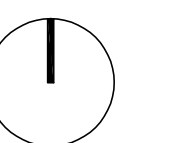
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Issue

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ISSUE FOR
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Project Number: 24-093a

PLUMBING KITCHEN
UNDERFLOOR PLAN AND FLOOR
PLAN- NEIGHBORHOOD 9

P202

GENERAL NOTES:

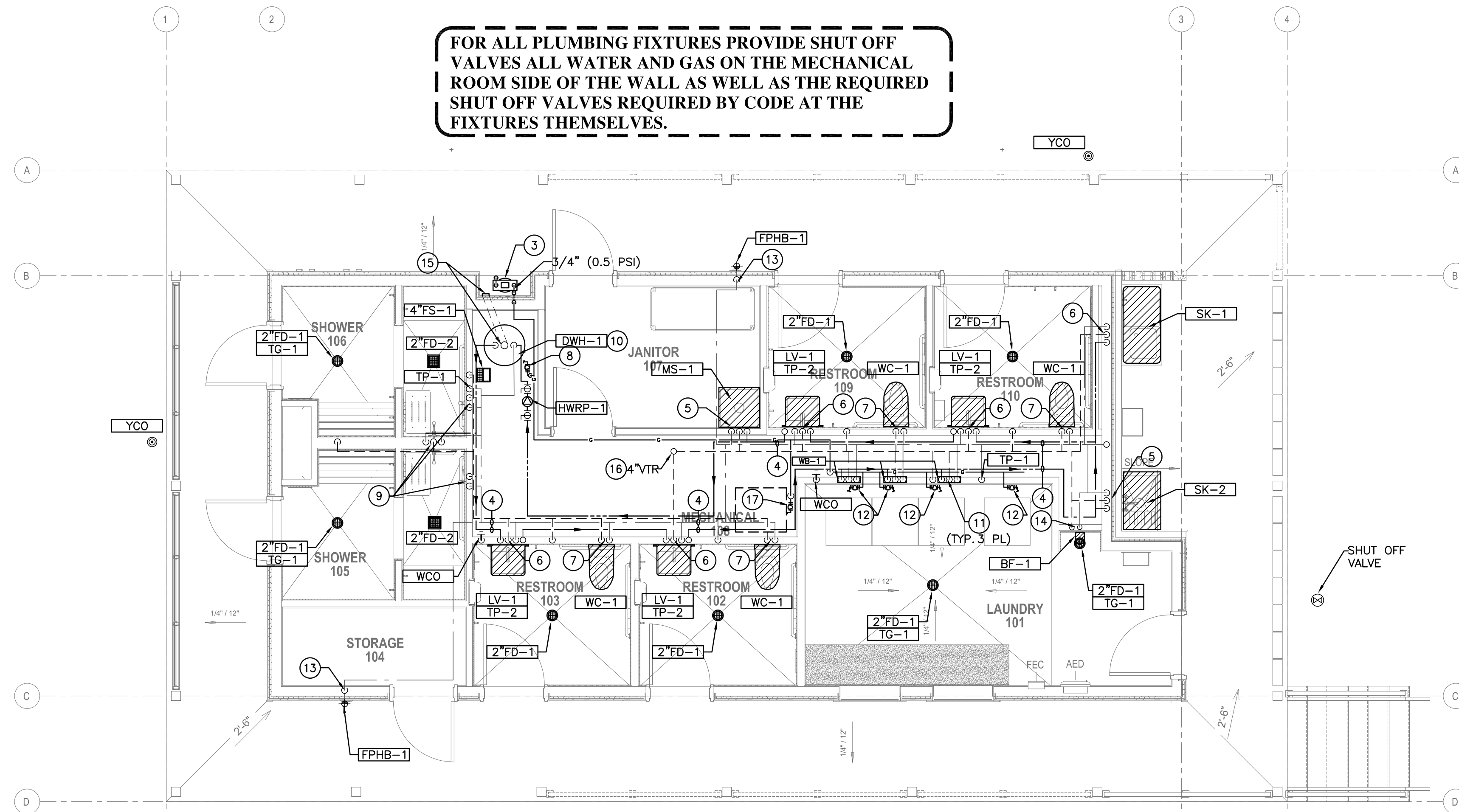
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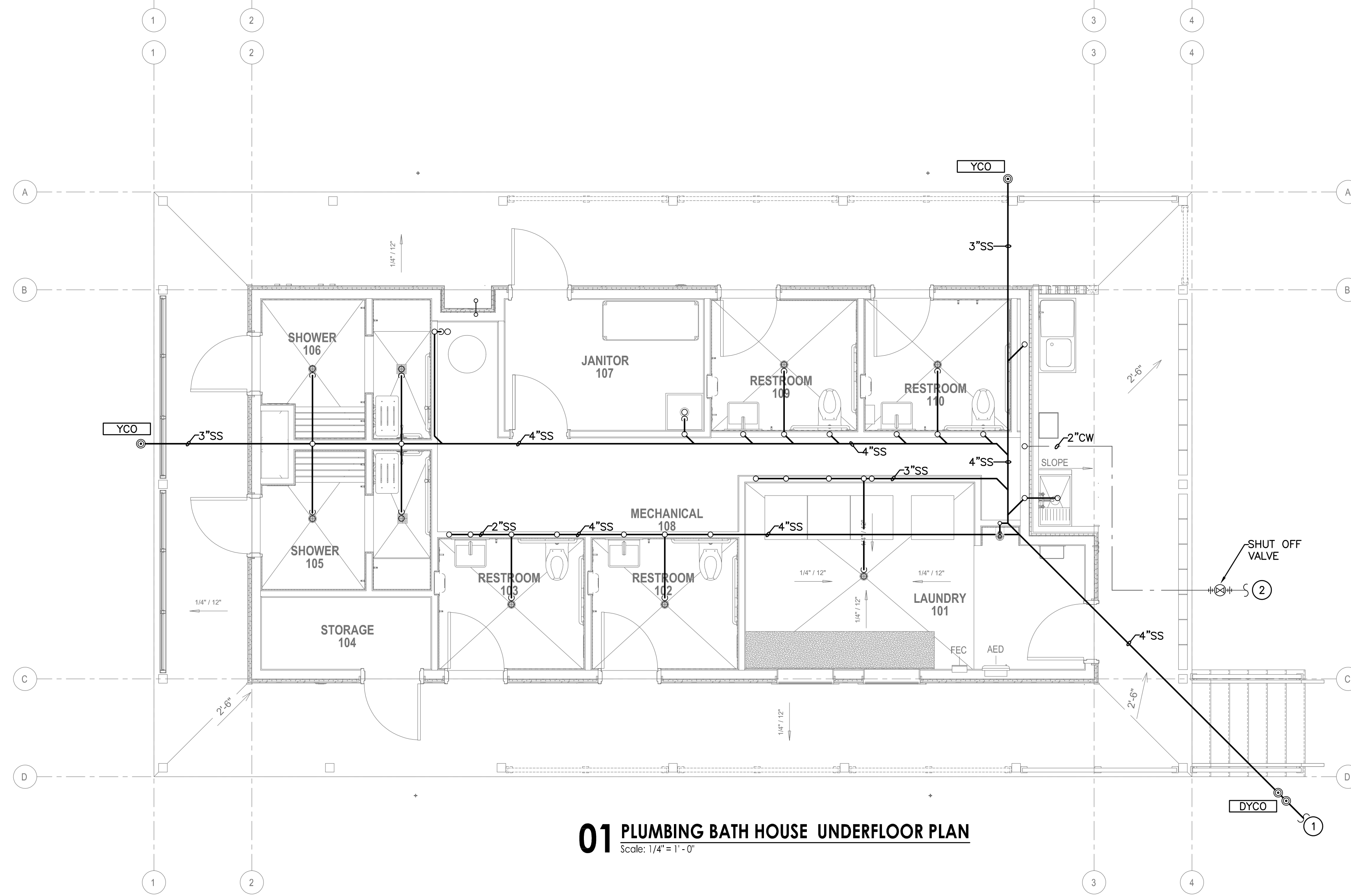
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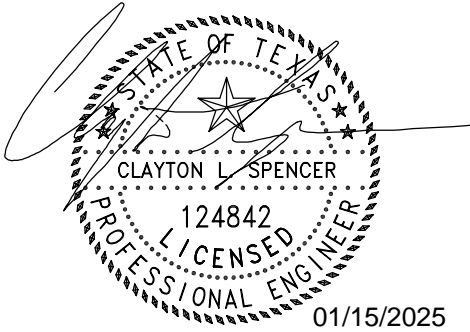


02 PLUMBING BATH HOUSE FLOOR PLAN
Scale: 1/4" = 1'-0"



01 PLUMBING BATH HOUSE UNDERFLOOR PLAN
Scale: 1/4" = 1'-0"

Seal:



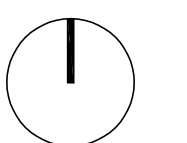
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01.15.25
ISSUE FOR
CONSTRUCTION

Project Number: 24-093a

PLUMBING BATH HOUSE
UNDERFLOOR PLAN AND FLOOR
PLAN- NEIGHBORHOOD 8

P301

GENERAL NOTES:

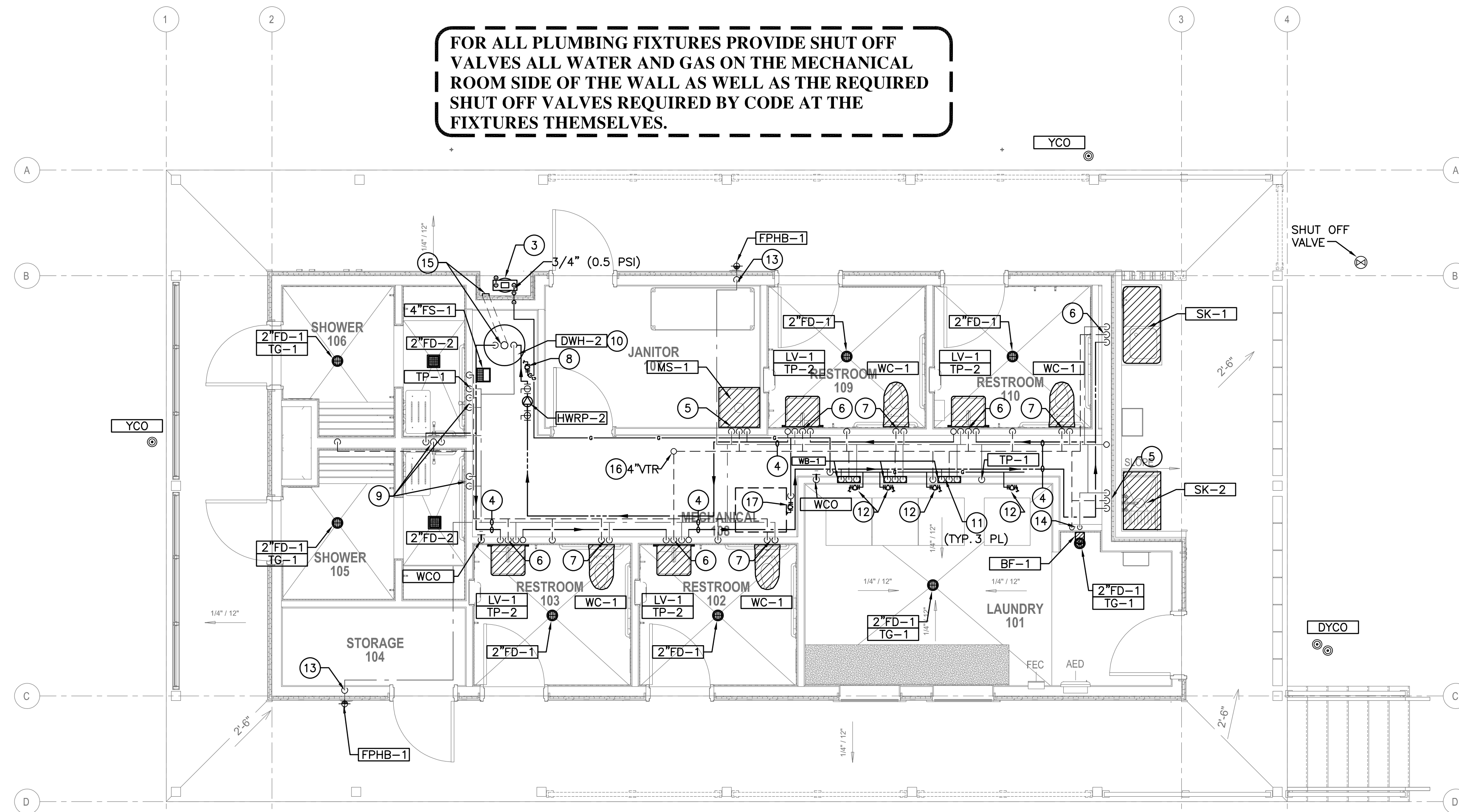
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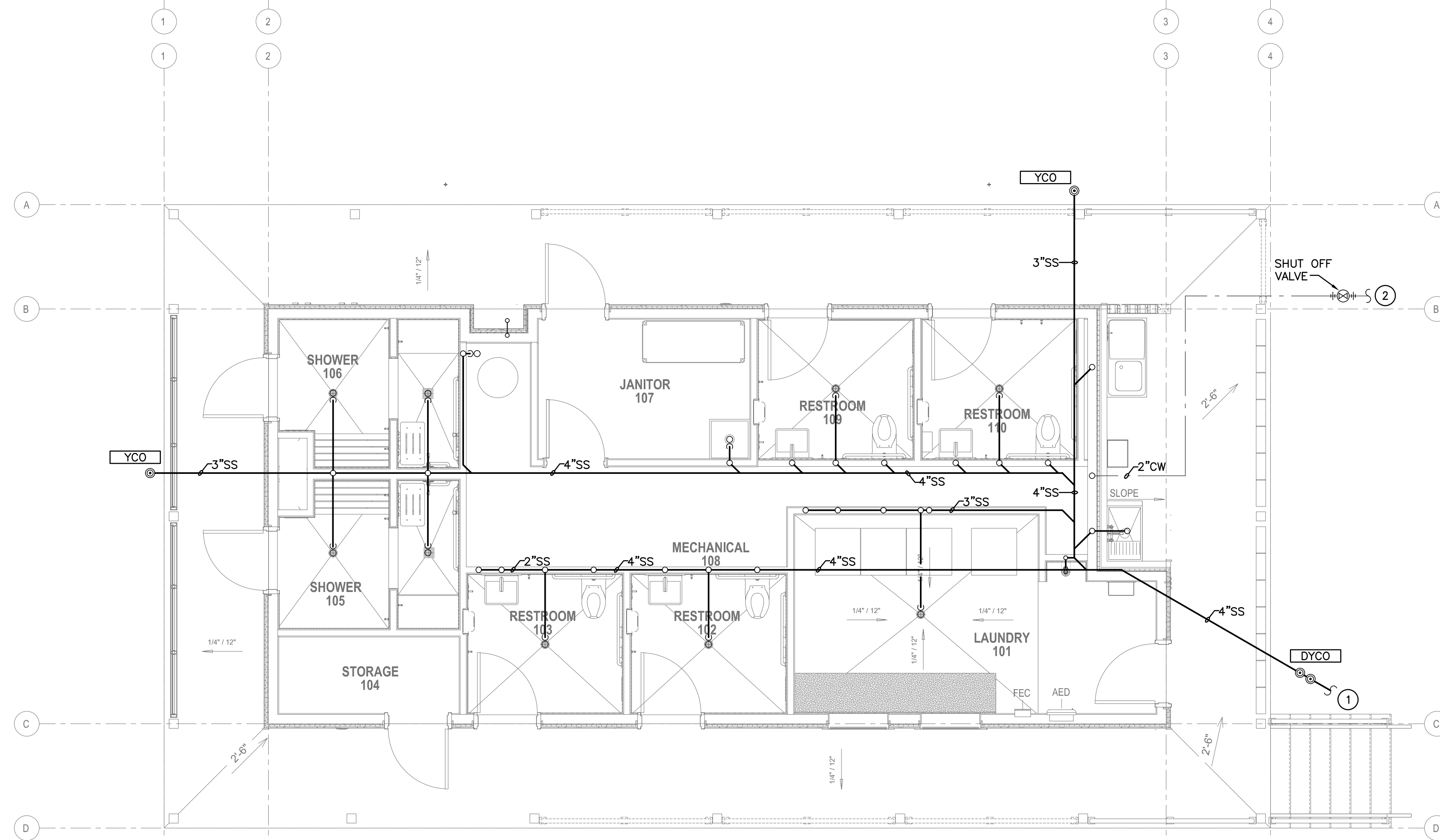
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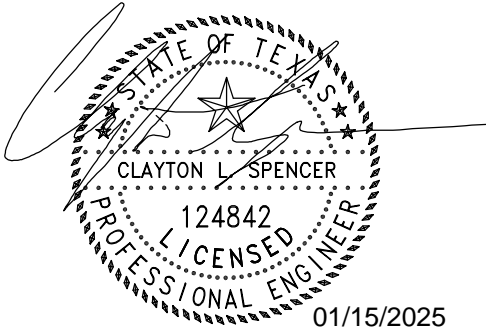


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Scale: 1/4" = 1'-0"

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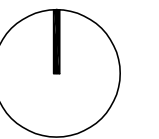
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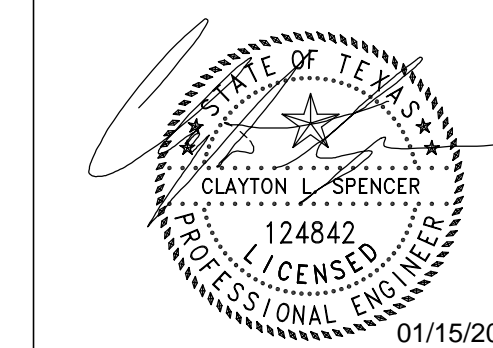
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Project Number: 24-093a

PLUMBING BATH HOUSE
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PLAN- NEIGHBORHOOD 9

P302

Seal:



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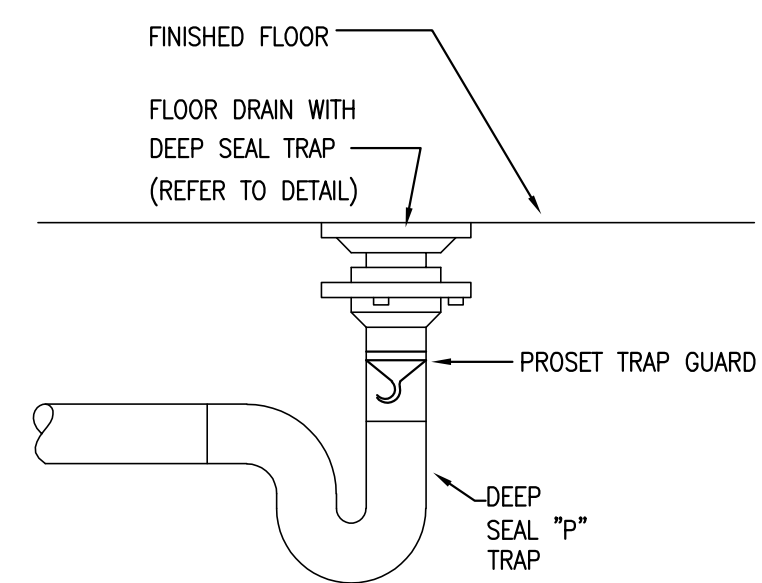
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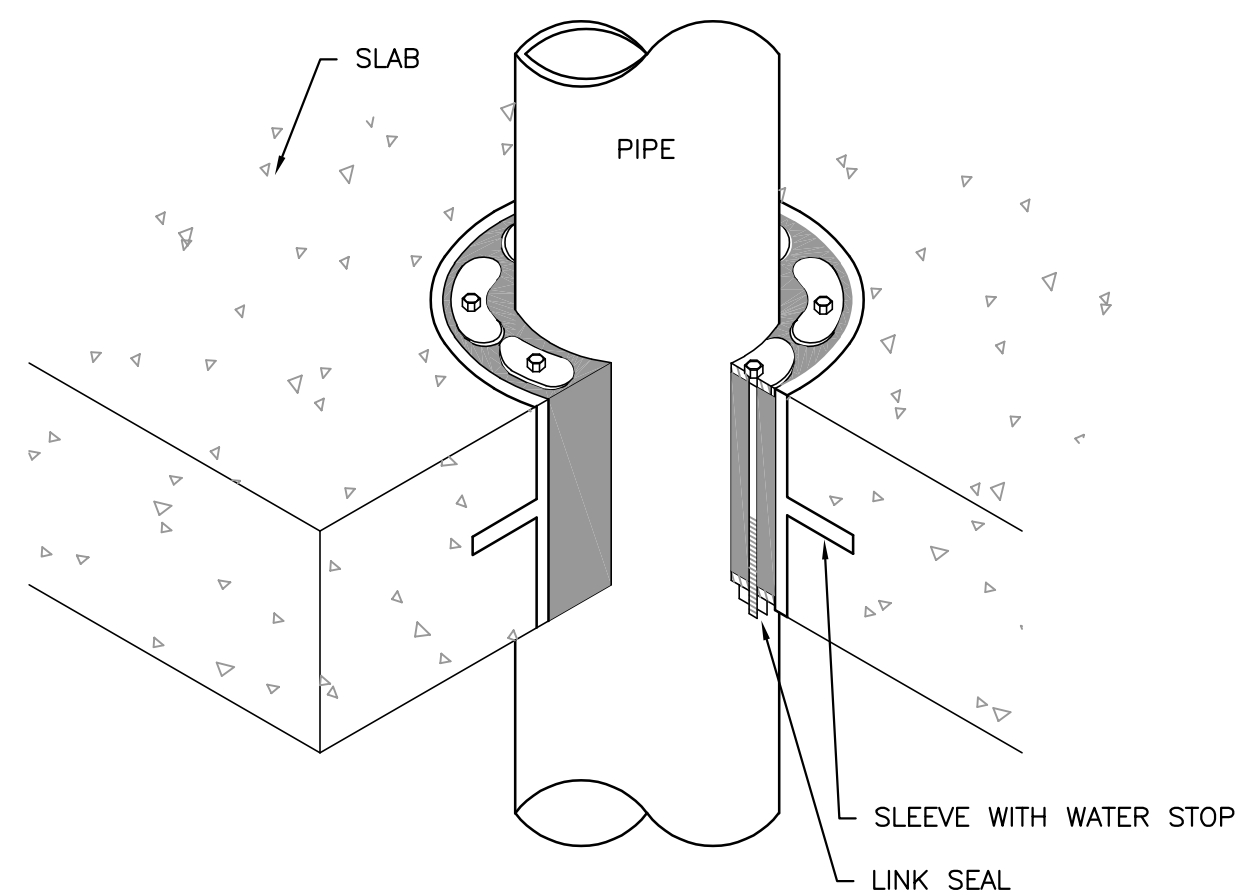
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PLUMBING
DETAILS

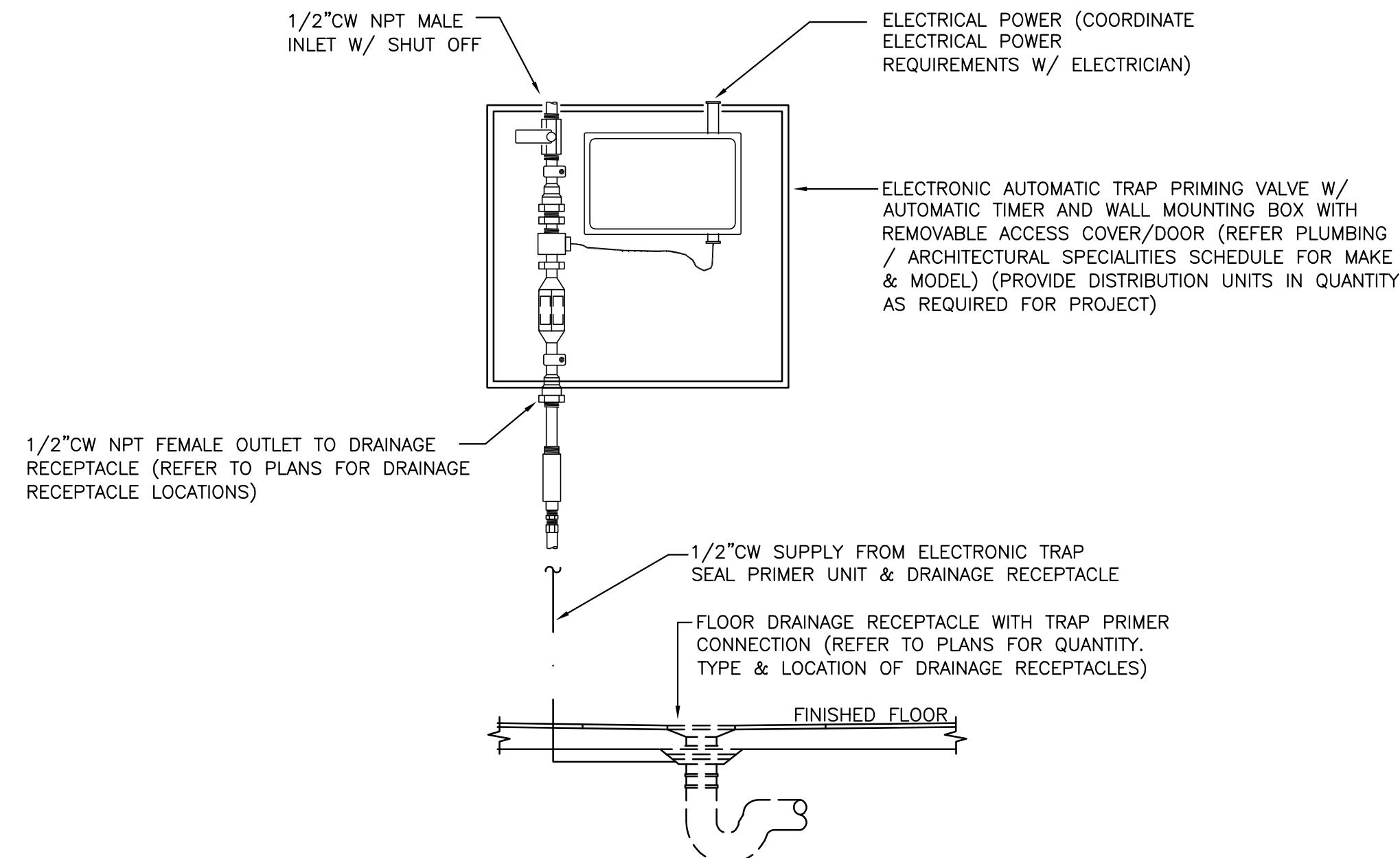
P501



8 TRAP GUARD DETAIL
SCALE NONE

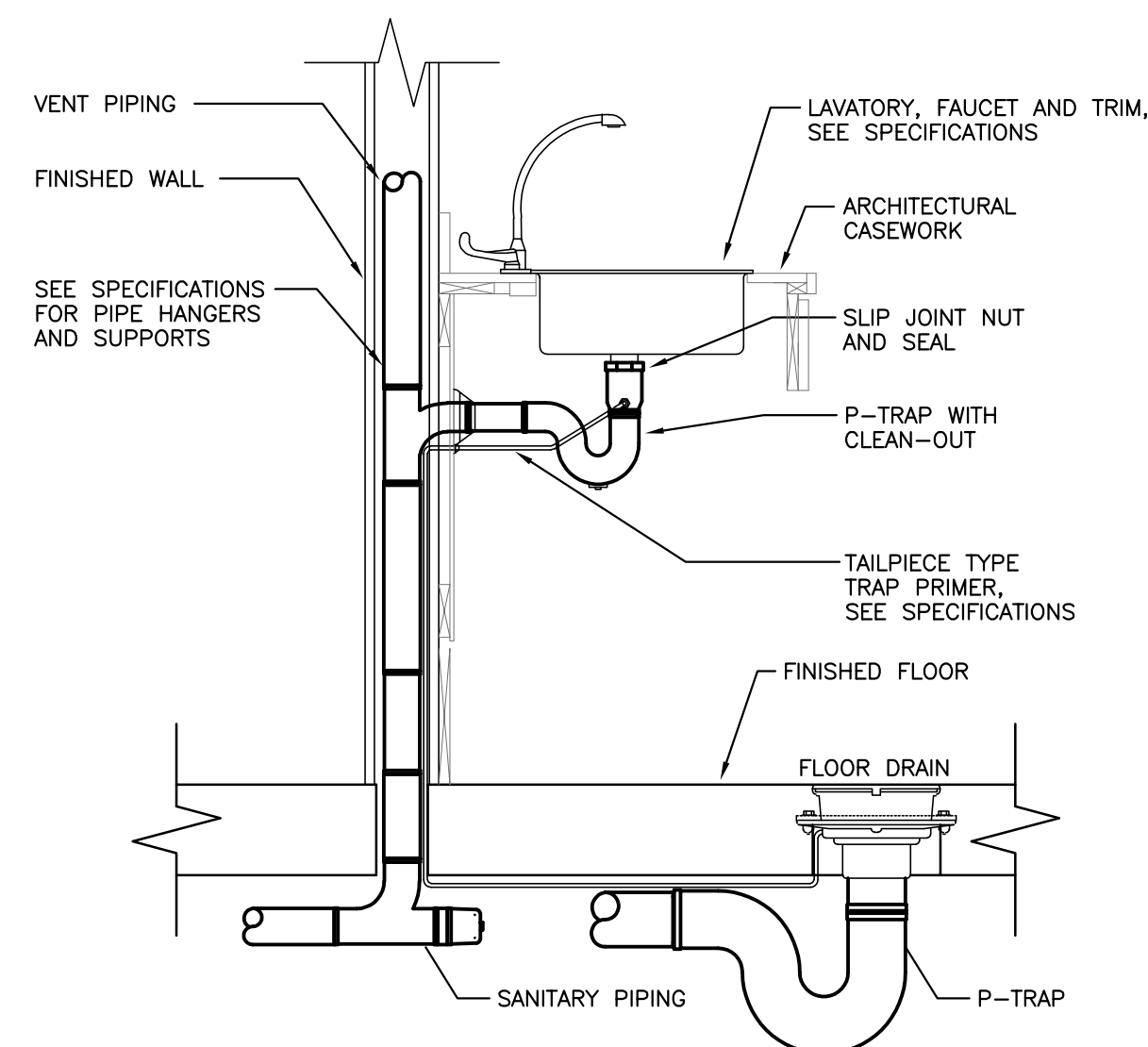


7 TYPICAL WATER TIGHT SLEEVE DETAIL
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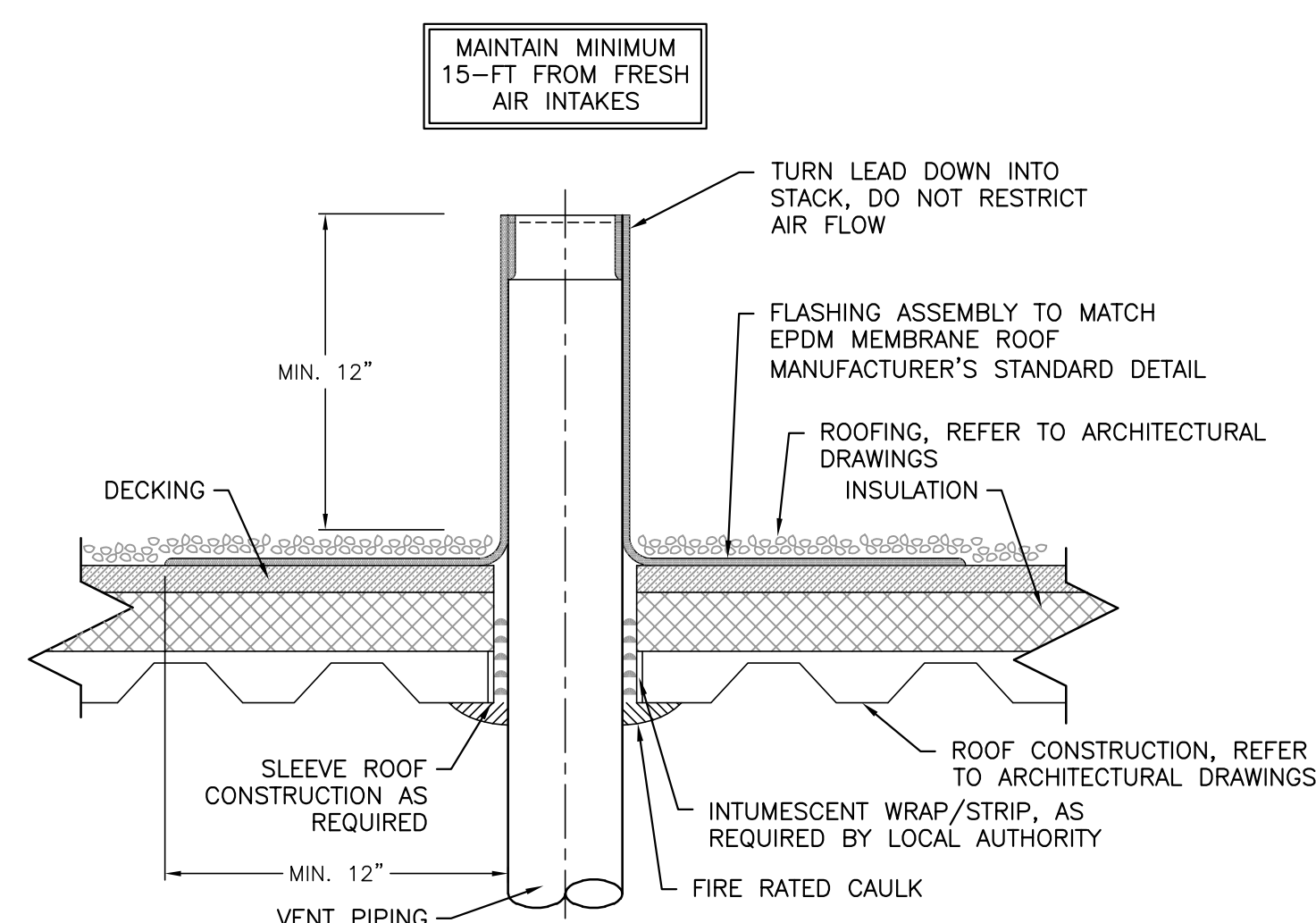


- NOTES:
1. ELECTRONIC TRAP PRIMER VALVE/CABINET MUST BE MOUNTED AT A MINIMUM OF ONE FOOT ABOVE THE DRAINAGE RECEPTACLE; REFER TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
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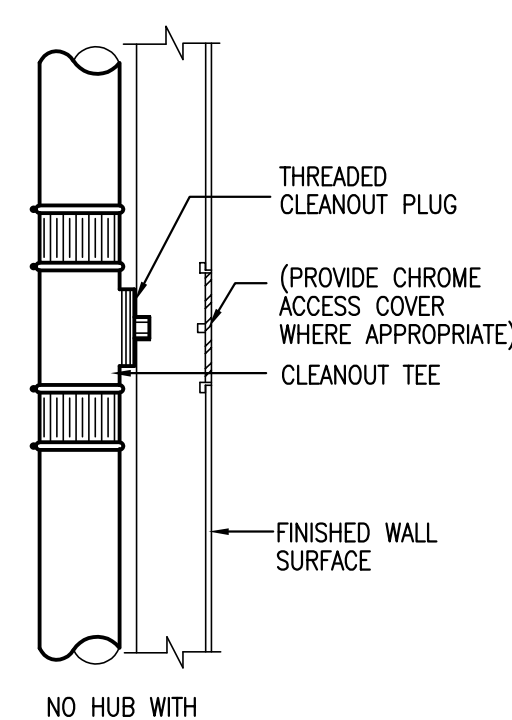
6 ELECTRONIC TRAP PRIMER PIPING DETAIL
SCALE NONE



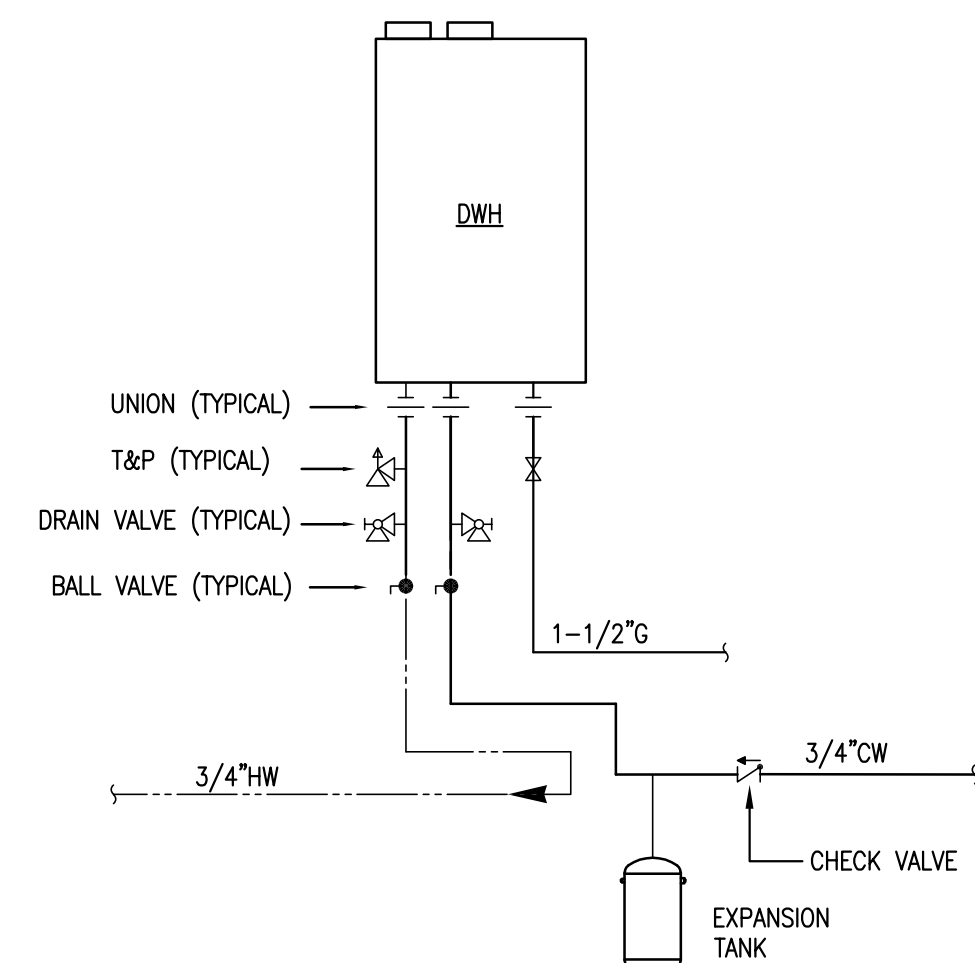
5 TRAP PRIMER AT LAVATORY DETAIL
SCALE NONE



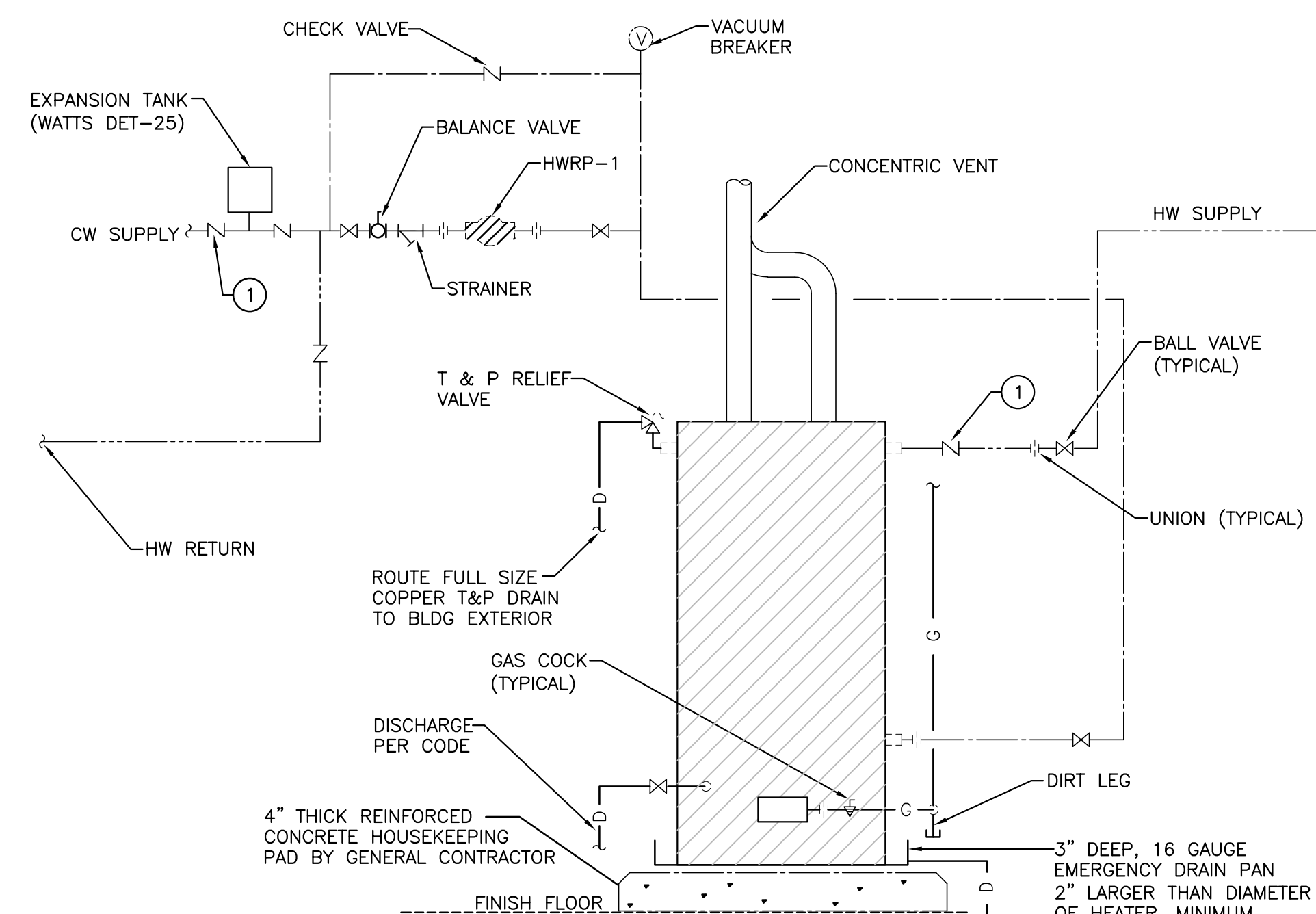
4 VENT THRU ROOF DETAIL
SCALE NONE



3 WALL CLEANOUT DETAIL
NOT TO SCALE



2 INSTANTANEOUS WATER HEATER DETAIL
SCALE NONE



- NOTES
1. THE WATER HEATER REQUIRES CONCENTRIC VENTING SYSTEM.
 2. VENTING MAY TERMINATE VERTICALLY OR HORIZONTALLY TO OUTDOORS.
 3. VERTICAL AND HORIZONTAL VENT RUNS MUST BE SECURED AT 3 1/2" INTERVALS.
 4. VENT PIPING CANNOT UNDER ANY CIRCUMSTANCES BE RUN DOWNHILL.
 5. HORIZONTAL RUNS REQUIRE A MINIMUM 1/4" RISE PER FOOT.
 6. VENT PIPES MUST BE INSTALLED SO THAT THEY CAN BE VISUALLY INSPECTED.

KEYED NOTES

- ① PROVIDE HEAT TRAP CHECK VALVES PER CODE.

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

COORDINATE WITH ARCHITECTURAL, INTERIOR DESIGN AND KITCHEN CONSULTANT PLANS FOR ALL FINAL FIXTURE SELECTIONS AND FIXTURE FINISHES.

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	MOUNTING TYPE	MANUFACTURER	SPECIFICATION	ADA	BRANCH CONNECTION SIZE UNLESS OTHERWISE NOTED				P-TRAP SIZE	ELEC. REQ.	
						CW	HW	SAN	VENT			
BF-1	BOTTLE FILLER	WALL	HAWS MODEL 1922	LEAD-FREE WATERWAYS, SATIN STAINLESS STEEL CONSTRUCTION, 1 GPM LAMINAR FLOW, PUSH-BUTTON OPERATED STAINLESS STEEL VALVE WITH FRONT-ACCESSIBLE CARTRIDGE AND FLOW ADJUSTMENT, DRIP TRAY DRAIN, AND STAINLESS STEEL BACK PANELS.	ADA	1/2"	-	2"	-	-	N	
DYCO YCO	DOUBLE YARD CLEANOUT	-	SMITH S4237	EXTRA-HEAVY, DOUBLE-FLANGED, CAST-IRON FERRULE, COMPLETELY FREE OF PIPING SO THAT NO 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	
FD-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	
FD-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	
FD-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	
FPHB-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	
FS-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 TAUTOK-4602B-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 FOR EXACT LOCATION.	ADA	1/2"	1/2"	2"	1-1/2"	1-1/4"	N	
MS-1	MOP SINK	FLOOR	MTB-2424	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 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.	ADA	1/2"	1/2"	2"	1-1/2"	2"	N	
SH-1A	SHOWER (ALTERNATE)	-	CUSTOM	SHOWER STALL: TILED SHOWER STALL BY GENERAL CONTRACTOR. 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 SHOWER VALVE BODY ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN. DIVERTER BODY, 3 PORT, CPV MODEL 2DIVBODYSRT	ADA	1/2"	1/2"	2"	1-1/2"	2"	N	
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 (TRUEBRO 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" SINK 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 A112.6.3 COMPLIANT.	-	-	-	-	-	-	N	
TP-1	TRAP PRIMER	-	PPP SMP-500-115V	SMART-PRIME ELECTRONIC TRAP PRIMING MANIFOLD, 1/2" MALE NPT INLET, 1/2" FEMALE NPT OUTLET. 115 VOLT. PROVIDE DISTRIBUTION UNITS AS REQUIRED.	-	1/2"	-	-	-	-	Y	
TP-2	TRAP PRIMER	-	SMITH 2698 SERIES	CHROME PLATED CAST BRASS P-TRAP, TAILPIECE TYPE TRAP PRIMER, 1/2-IN PRIMER TUBE WITH COMPRESSION FITTING, THREADED JOINT ELBOW CONNECTOR, AND ESCUTCHEONS.	-	1/2"	-	-	-	-	N	
WB-1	WALL BOX (WASHER)	WALL	IPS "MWB"	WATER-TITE SERIES, METAL WASHING MACHINE OUTLET BOX, 20 GAUGE 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, INTERAL 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

MARK	SERVES	LOCATION	STORAGE GALLONS	RECOVERY DATA		GAS DATA		ELECTRICAL DATA		MANUFACTURER AND MODEL NUMBER
				GALS/HOUR	TEMP. RISE °F	MBH INPUT AT 1/2 PSI	EFF.	KW	VOLTS	
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

NOTES:

- PROVIDE QTY. 1 PER WATER HEATER - EXPANSION TANK ET-1, 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.
- UNIT SHALL COMPLY WITH THE STATE OF TEXAS LOW-NOx REQUIREMENTS AS REQUIRED.
- ALL PLUMBING SUPPLIES, VALVES AND ASSOCIATED APPURTENANCES SHALL BE INSTALLED.
- COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECTURAL.
- COORDINATE POWER DISCONNECT LOCATION WITH ELECTRICAL AND ARCHITECTURAL.
- HEATER INSTALLATIONS SHALL MEET OR EXCEED ALL CODE REQUIREMENTS, LOCAL AMENDMENTS AND MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.
- PROVIDE WITH MANUFACTURES CONCENTRIC VENT KIT.
- PROVIDE WITH MANUFACTURES CONDENSATE NEUTRALIZATION KIT P/N A2123601 (125,000 - 250,000 BTU/HR.).
- PROVIDE WITH MANUFACTURES OPTIONAL LEAK DETECTION KIT.

PUMP SCHEDULE

MARK	SERVICE	TYPE	FLOW GPM	DESIGN HEAD FT. WG	ELECTRICAL DATA				MANUFACTURER AND MODEL NUMBER
					HP	RPM	VOLTS	PH	
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

NOTES:

- 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	SERVES	LOCATION	STORAGE GALLONS	RECOVERY DATA		GAS DATA		ELECTRICAL DATA		MANUFACTURER AND MODEL NUMBER
				GALS/HOUR	TEMP. RISE °F	MBH INPUT AT 1/2 PSI	UNIFORM ENERGY FACTOR	KW	VOLTS	
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

NOTES:

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

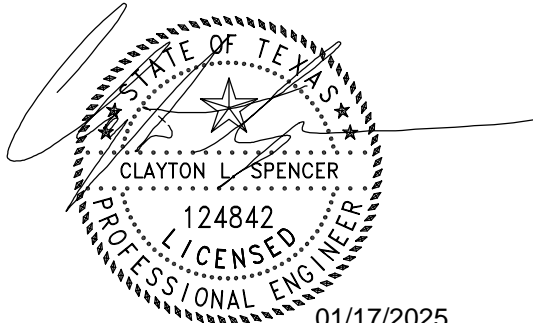
NOTE:
FREEZE PROTECTION CABLE SHALL BE PROVIDED ON DOMESTIC WATER PIPING THAT IS EXPOSED TO FREEZING TEMPERATURES. PIPING INSTALLED IN CONDITIONED AREAS OR BELOW GRADE IS NOT REQUIRED TO HAVE FREEZE PROTECTION CABLE.

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Seal:



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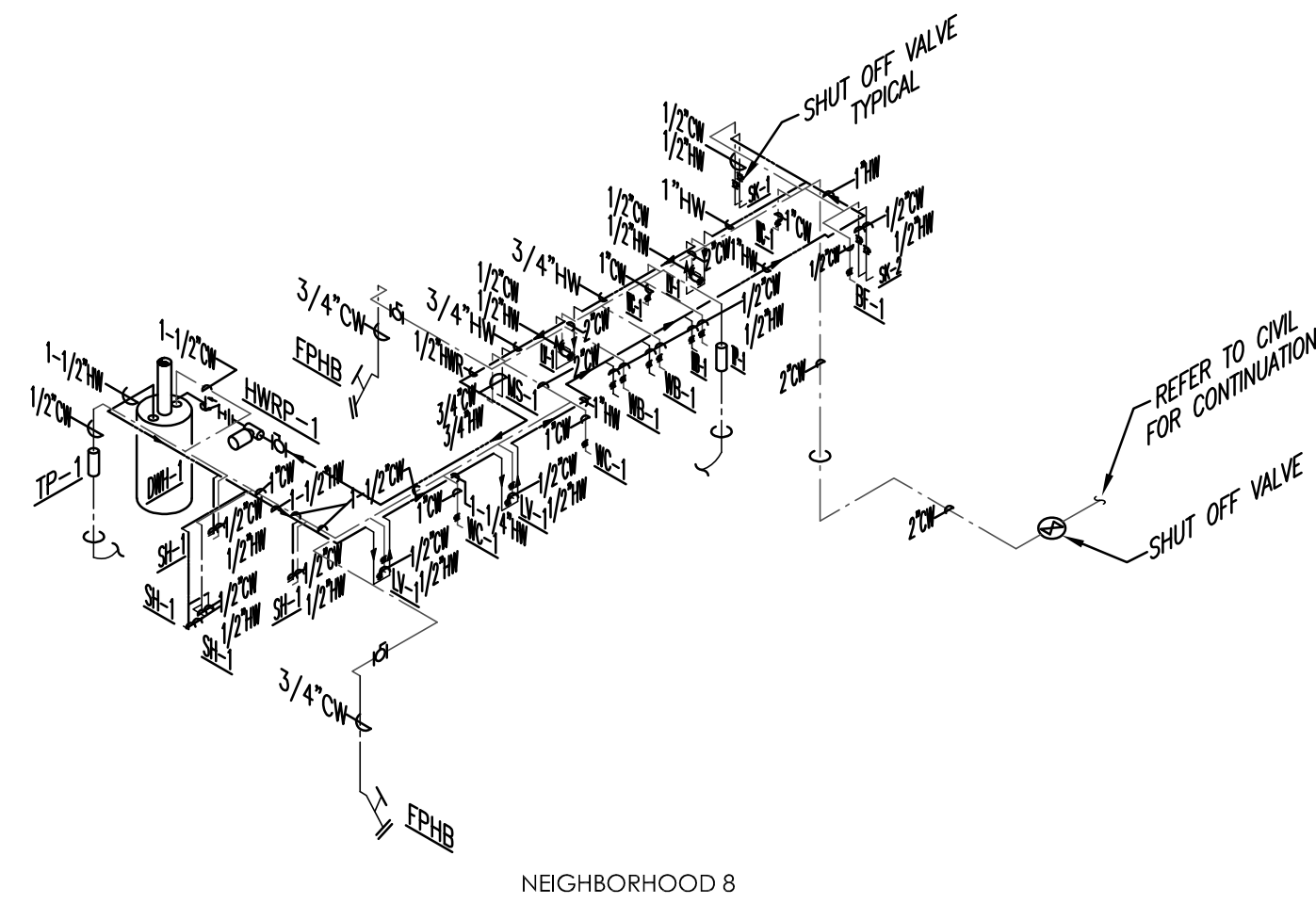
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ISSUE FOR CONSTRUCTION

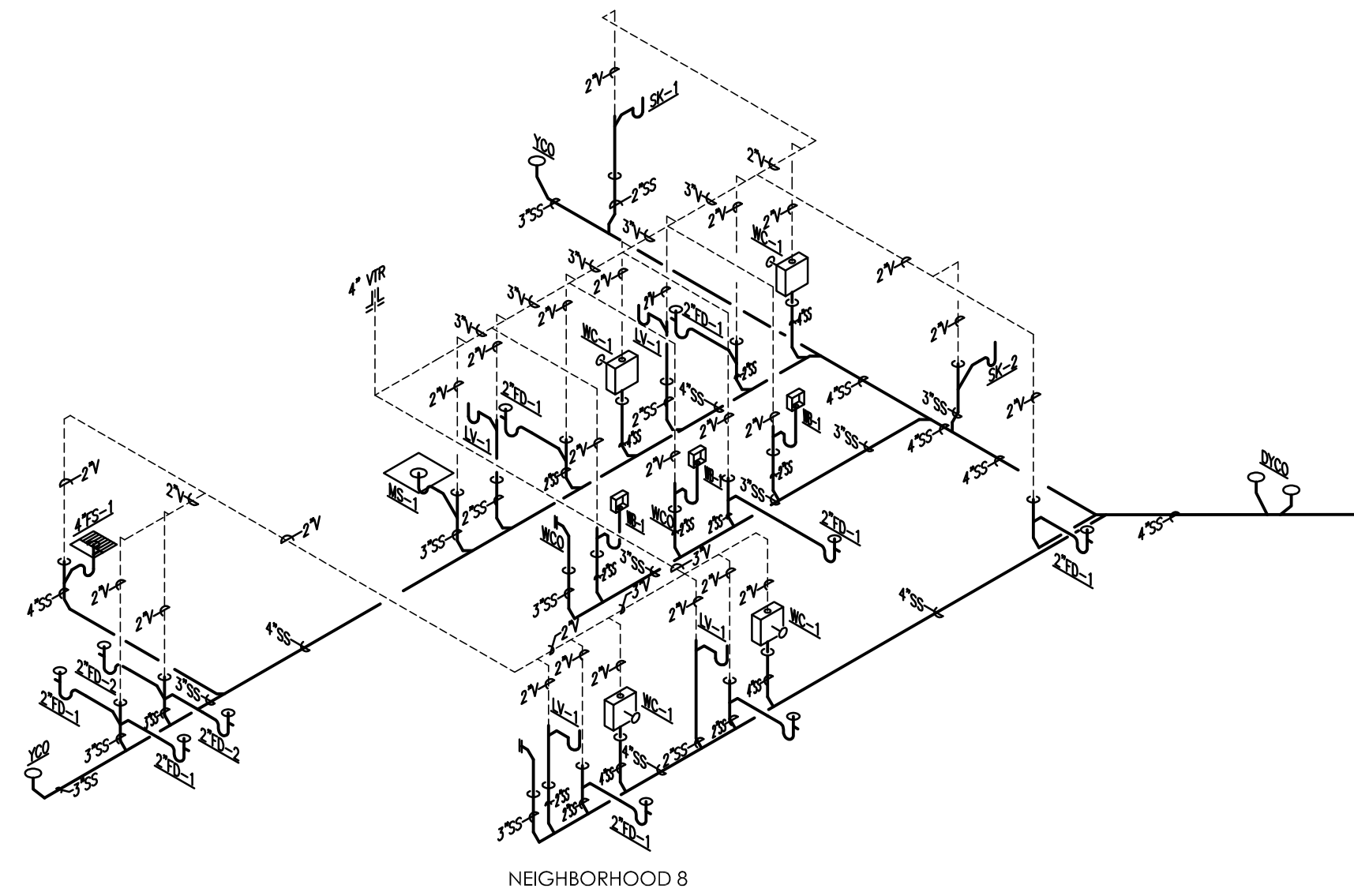
Project Number: 24-093a

PLUMBING SCHEDULES

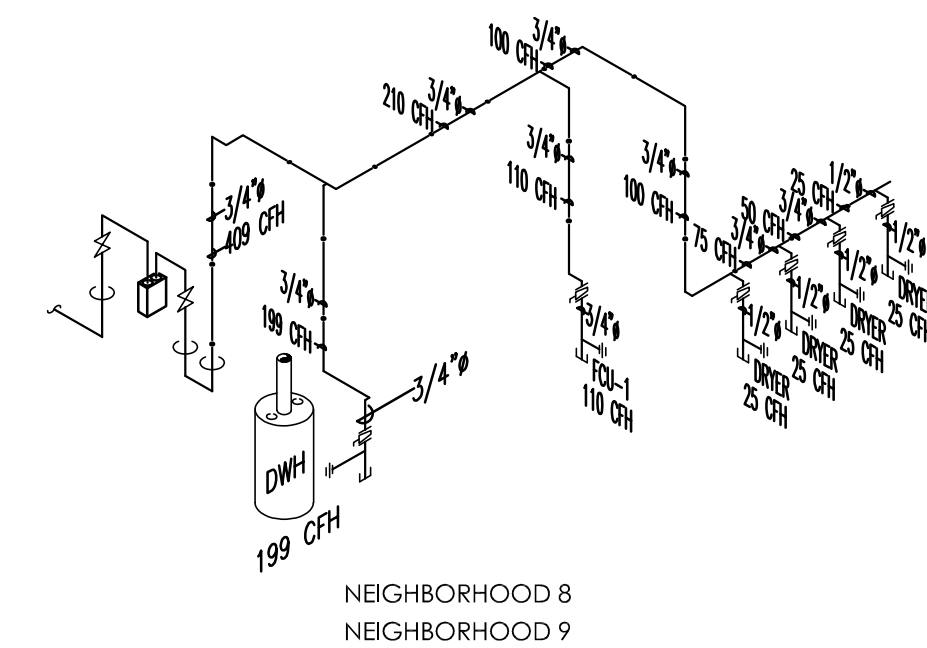
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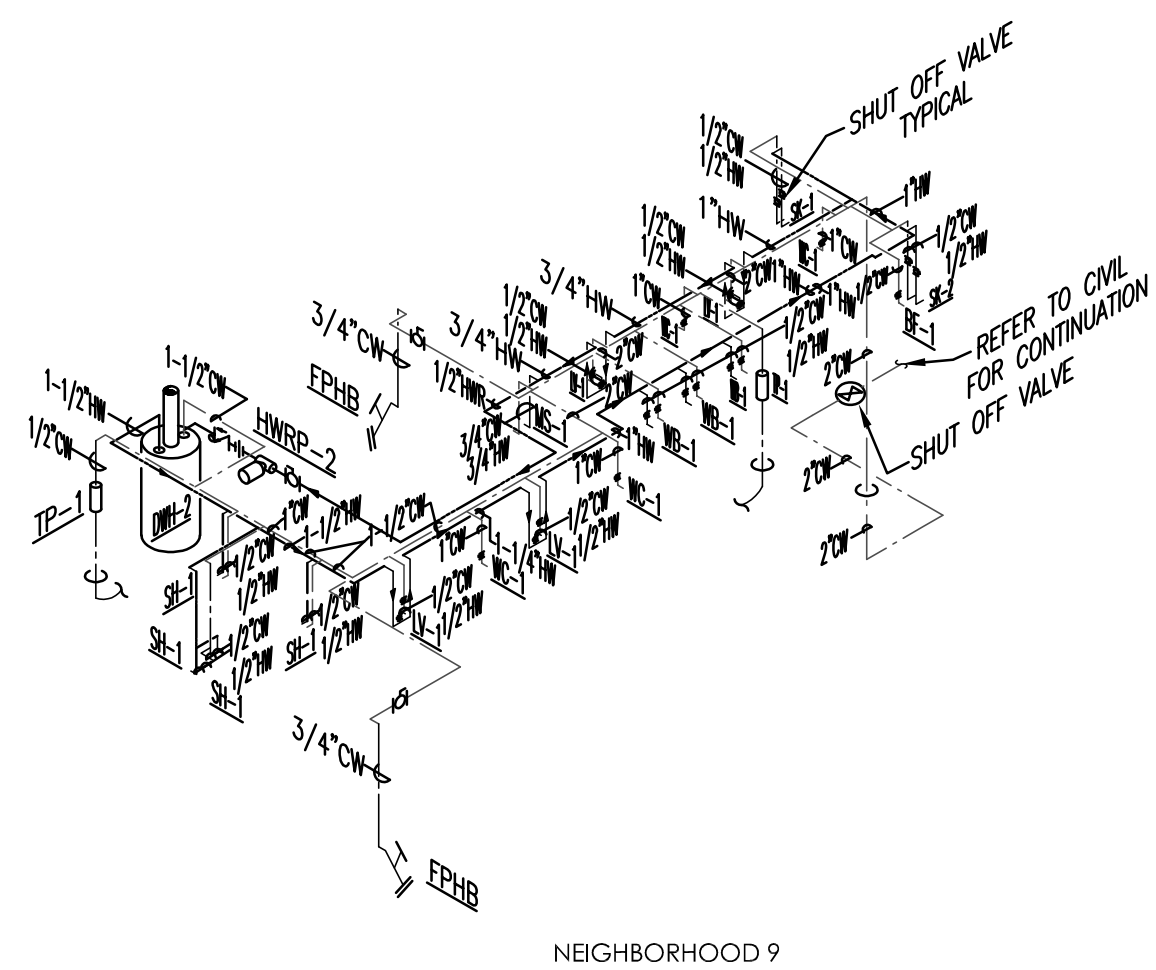
01a WATER RISER DIAGRAM (BATHHOUSE)
Scale: NONE



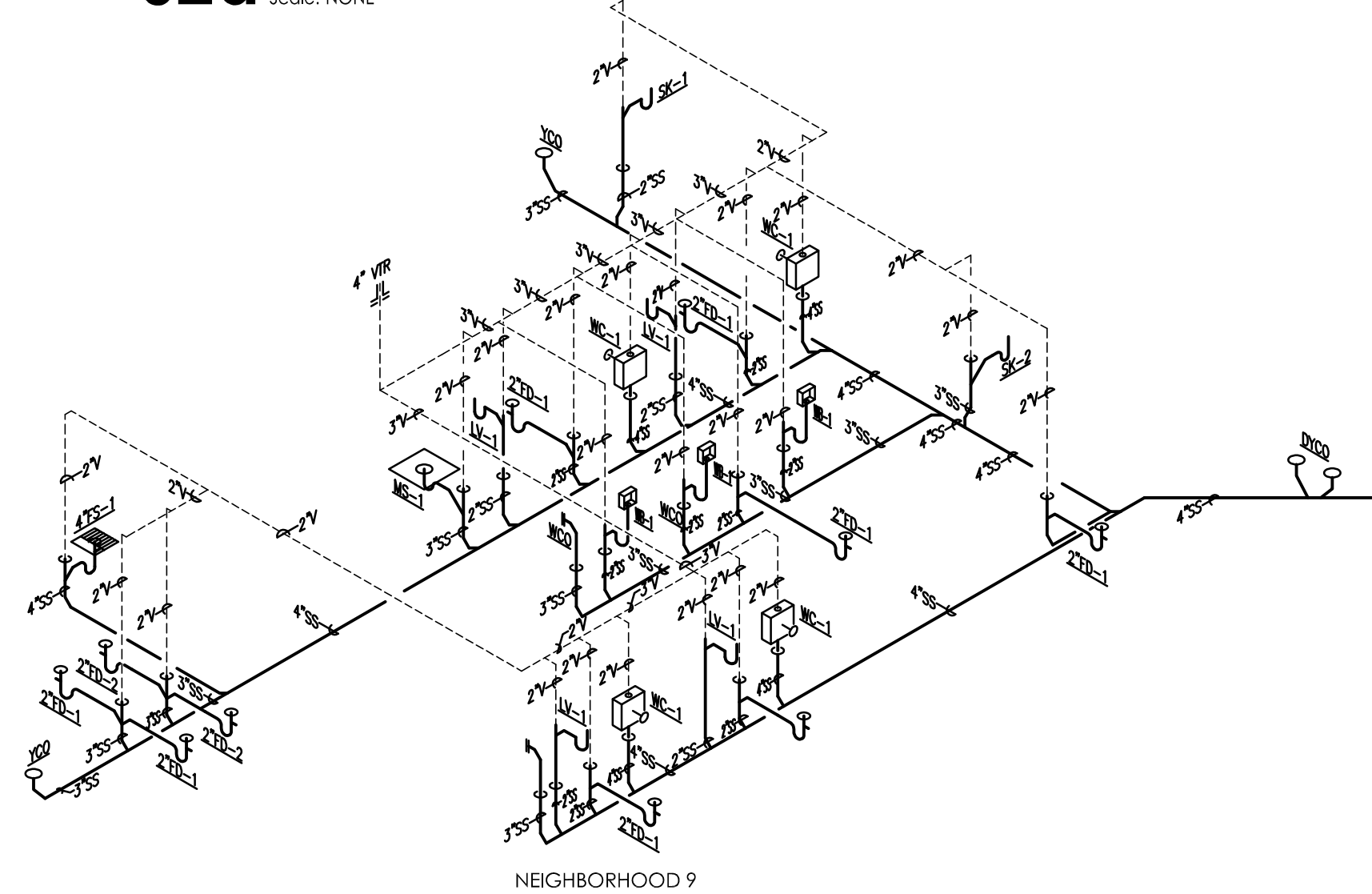
02a WASTE AND VENT RISER DIAGRAM (BATHHOUSE)
Scale: NONE



03 GAS RISER DIAGRAM (BATHHOUSE)
Scale: NONE



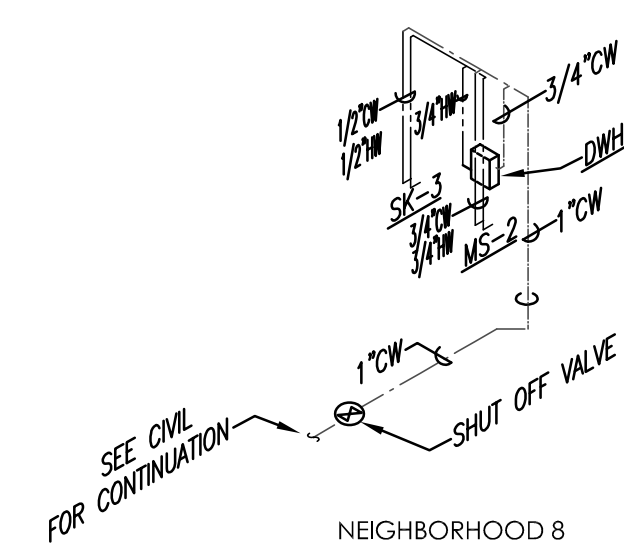
01b WATER RISER DIAGRAM (BATHHOUSE)
Scale: NONE



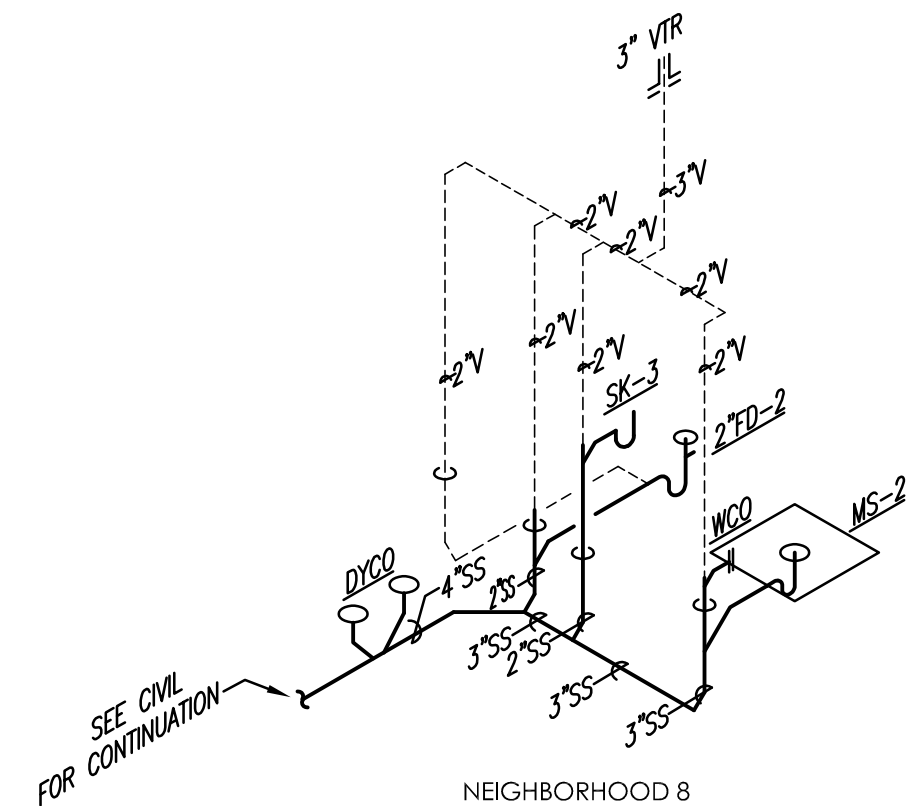
02b WASTE AND VENT RISER DIAGRAM (BATHHOUSE)
Scale: NONE

BATHHOUSE PROJECT NATURAL 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

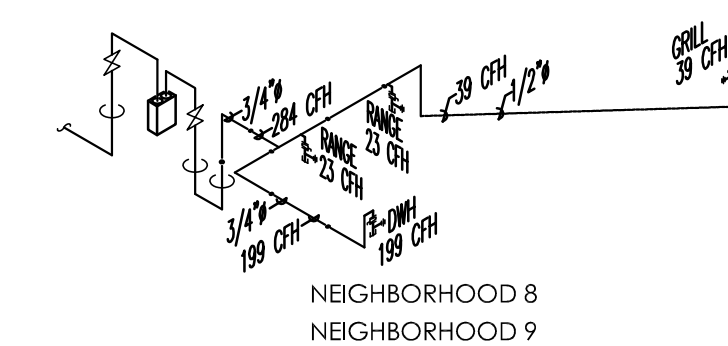
NOTE:
CONTRACTOR SHALL COORDINATE WITH TEXAS GAS SERVICE TO PROVIDE FOR GAS REQUIREMENT OF 409 CFH @ APPROX. 60FT. T.D.L 14" W.C. PRESSURE PIPING.
UPC 2021 - TABLE 1215.2(3) FOR LESS THAN 2 PSI PRESSURE



04a WATER RISER DIAGRAM (KITCHEN)
Scale: NONE



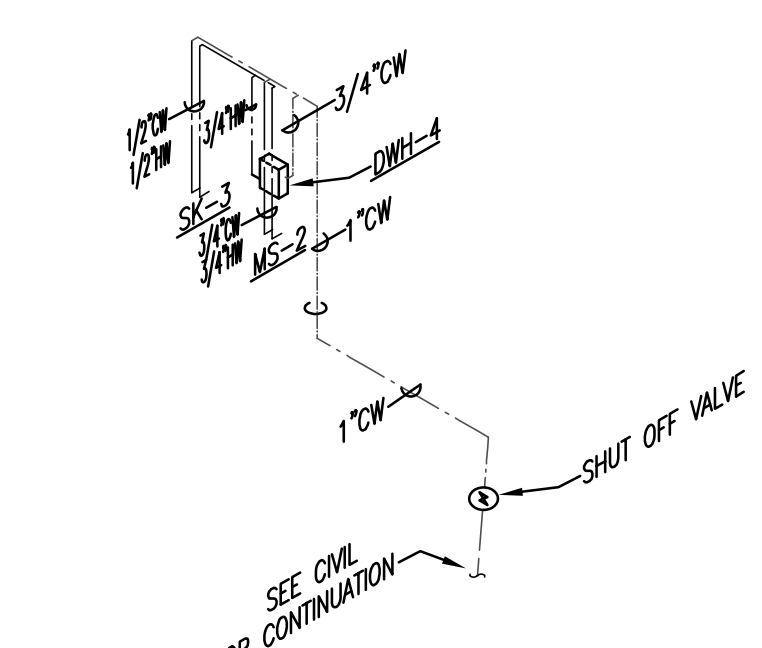
05a WASTE AND VENT RISER DIAGRAM (KITCHEN)
Scale: NONE



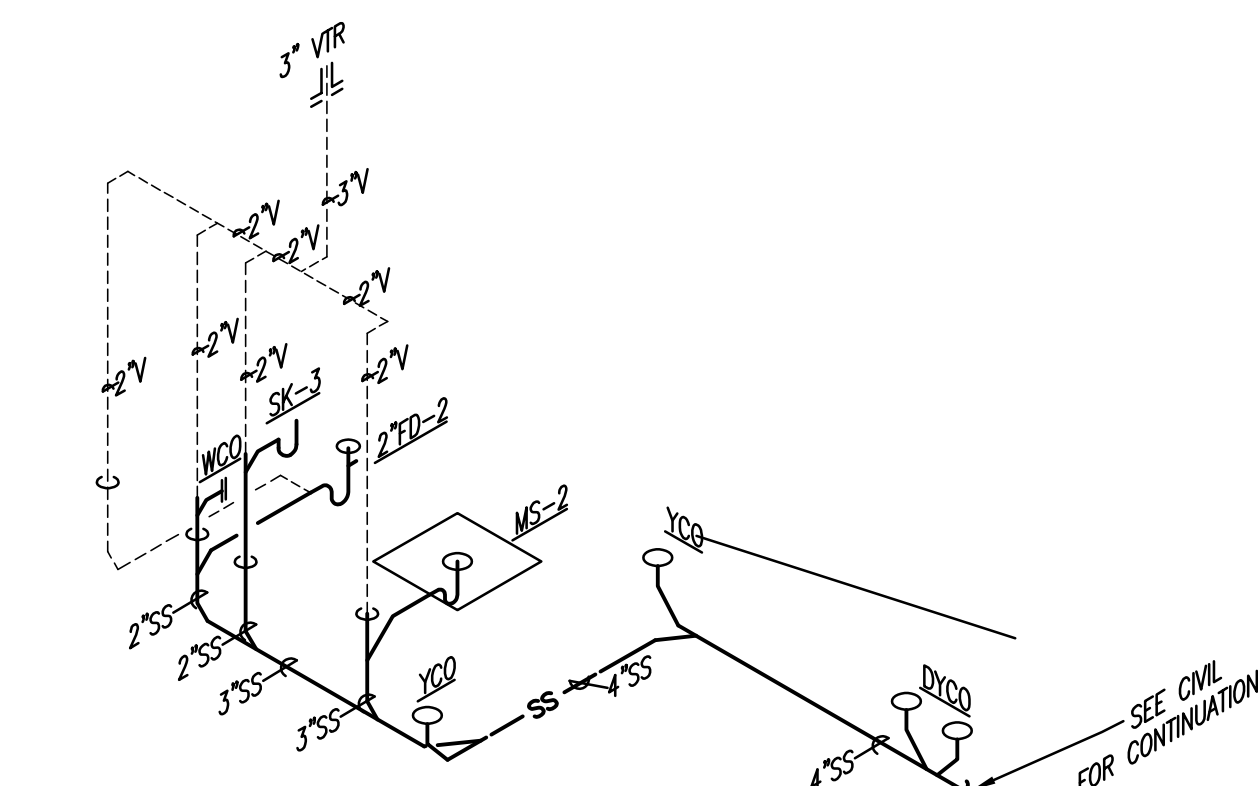
06 GAS RISER DIAGRAM (KITCHEN)
Scale: NONE

KITCHEN PROJECT NATURAL GAS			
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

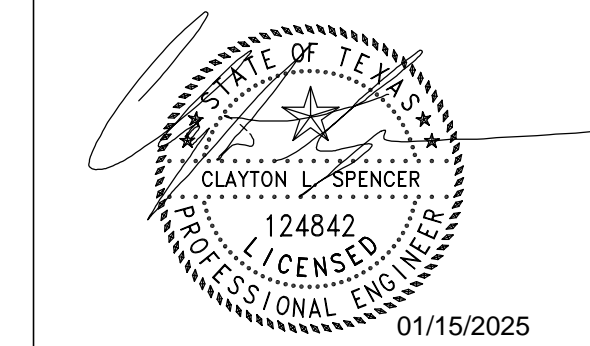


04b WATER RISER DIAGRAM (KITCHEN)
Scale: NONE



05b WASTE AND VENT RISER DIAGRAM (KITCHEN)
Scale: NONE

Seal:



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PLUMBING RISER DIAGRAMS