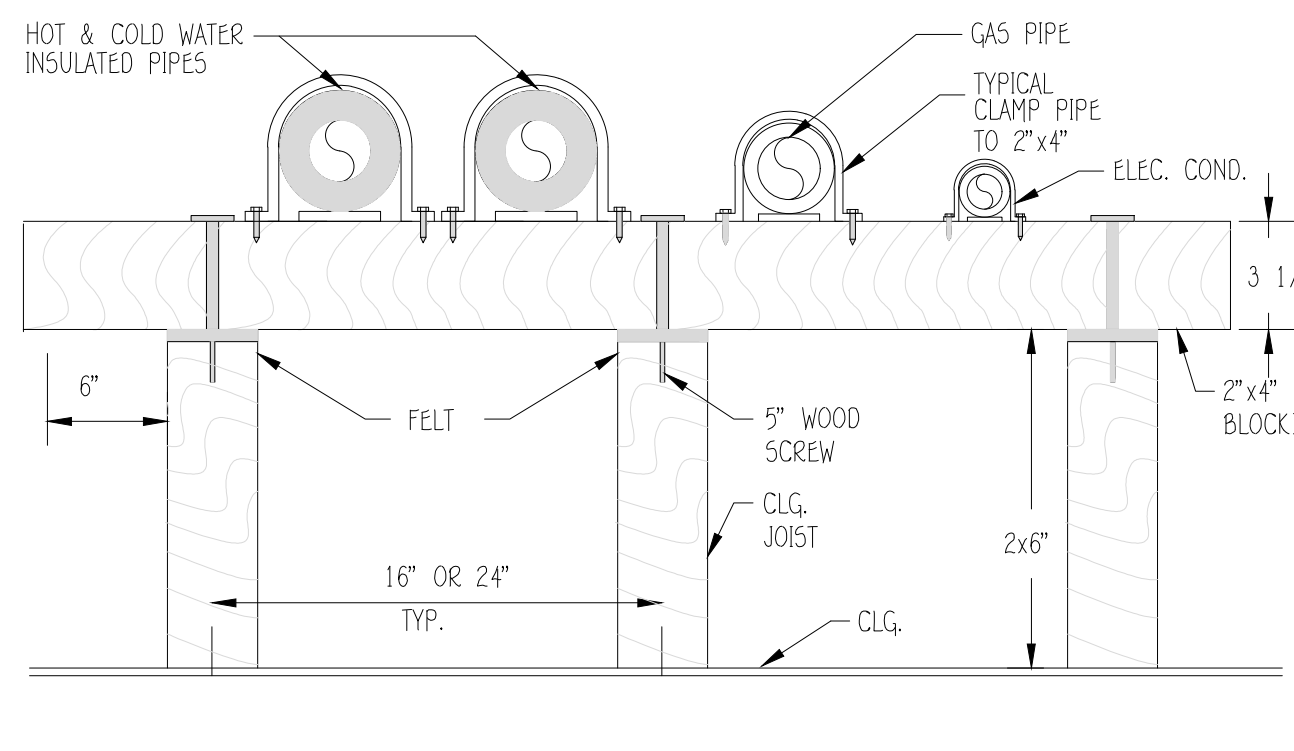


PLUMBING NOTES:

- 1. ALL WORK SHALL CONFORM TO THE 2019 CALIFORNIA PLUMBING CODE STANDARDS AND CALIFORNIA PLUMBING CODE.
2. DRAWINGS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY LOCATION OF UTILITIES AND POINTS OF CONNECTION BEFORE START OF WORK...

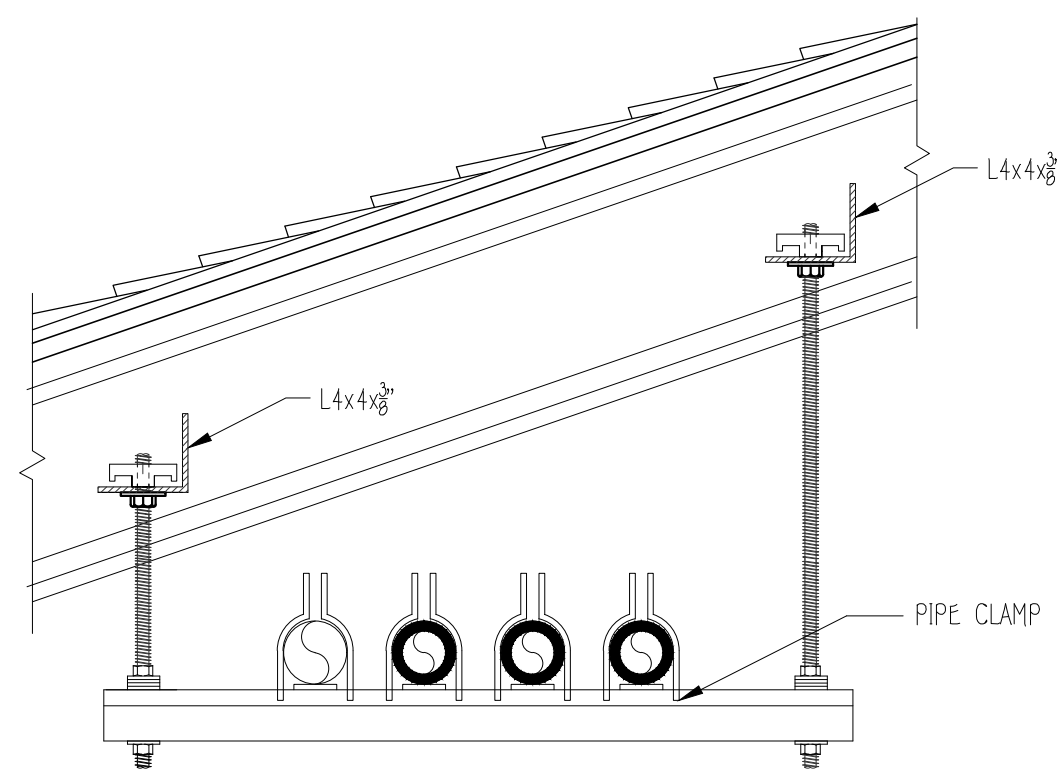
BACKFLOW TESTING PROCEDURES

- 1. TESTING COMPANIES MUST SUBMIT "SIGNED-OFF" TEST NOTICES TO THE CROSS-CONNECTION PROGRAM NO LATER THAN 30 WORKING DAYS AFTER THE DATE OF "INITIAL TEST" IF THE DEVICE PASSED, OR NO LATER THAN 30 WORKING DAYS AFTER THE DATE OF "FINAL TEST" IF THE DEVICE INITIALLY FAILED...



ATTIC PIPE SUPPORT

SCALE NTS



TRAPEZE HANGER

SCALE NTS

WATER PRESSURE INFORMATION: WATER PRESSURE 15 50 PSI
WATER PRESSURE MAX: 150 PSI MIN: 99 PSI ELEV: FT. METER SIZE: 1 1/2
DEVELOPED LENGTH: 150' + 75' (JOINTS) = 225'

Table with 4 columns: SIZE, CW, HW, GPM. Lists pipe sizes and flow rates for various fixtures.

Table with 4 columns: NUMBER, TYPE OF FIXTURE, UNITS PER FIXTURE, TOTAL. Lists fixture counts for WC, LV, DF, UR, MS, SK, and WH.

WATER CALCULATIONS

SCALE NTS

PIPE MATERIAL SCHEDULE table with columns for SERVICE, COPPER TYPE, ABS, BLACK STEEL, GALVANIZED STEEL, DWV, and REMARKS.

NOTE:

- 1. ALL HOT AND COLD WATER LINES SHALL BE INSULATED W/ 3/4 THERMOCELL OR EQUAL INSULATION WITH A MINIMUM R=4 VALUE PER CBC-11158.4.3 ITEM 4.
2. SHOWER, BATHTUBS AND WHIRLPOOL TUBS SHALL BE PROVIDED WITH SHOWER CONTROL VALVES OF THE PRESSURE BALANCE OR THE THERMOSTATIC MIXING VALVE 120" MAX.

ABBREVIATIONS

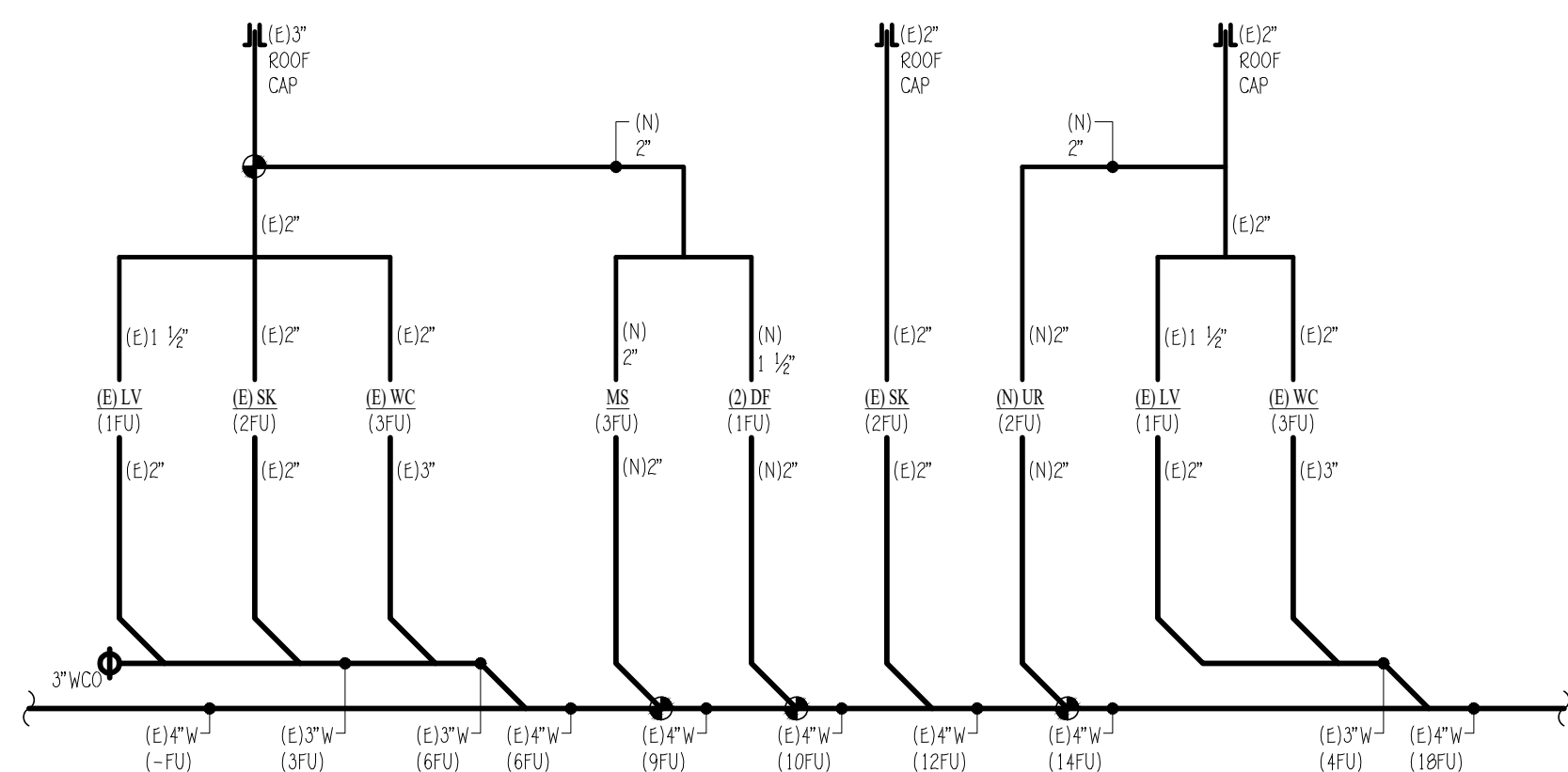
SCHEDULES

SCALE NTS

LEGEND table with columns: SYMBOLS, ABBR., DESCRIPTION. Lists plumbing symbols for sewer/waste pipes, vents, drains, valves, and cleanouts.

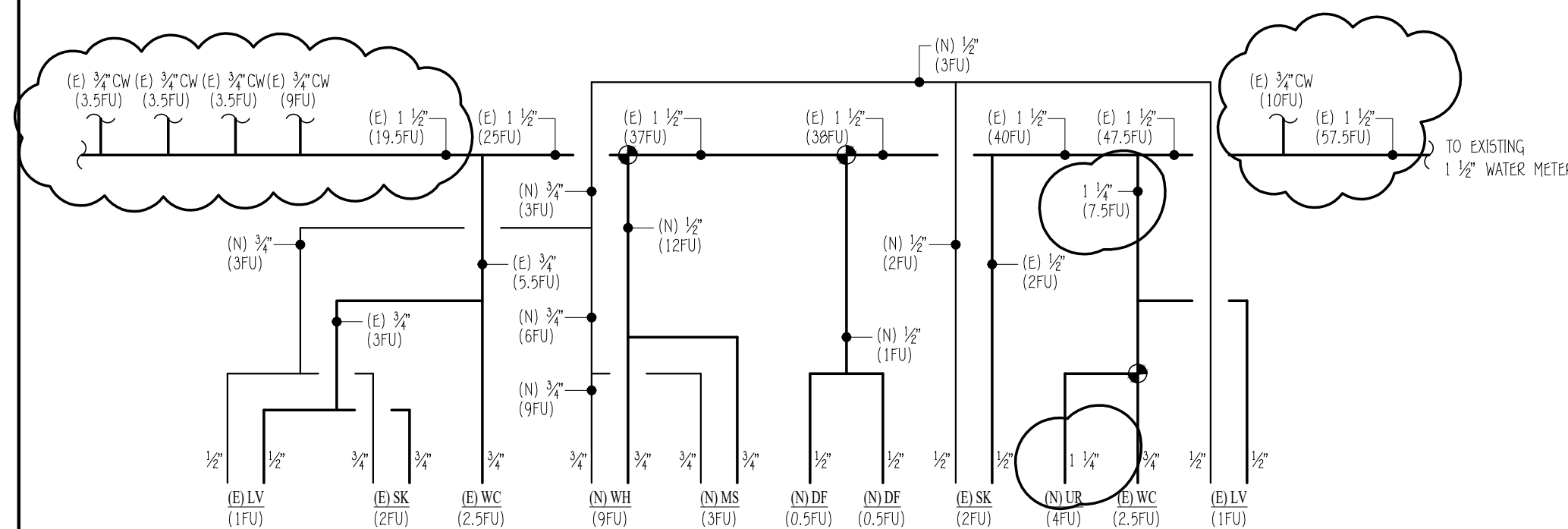
LEGEND

SCALE NTS



WASTE & VENT RISER DIAGRAM

SCALE NTS



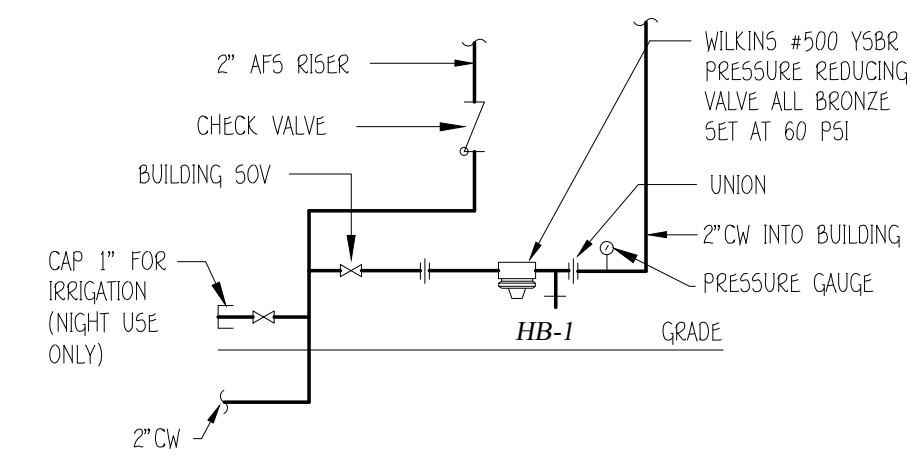
HOT & COLD WATER RISER DIAGRAM

SCALE NTS

PLUMBING FIXTURE SCHEDULE table with columns: SYM., DESCRIPTION, MFR, MODEL, W, TRAP, V, CW, HW, REMARKS/SPECIFICATIONS.

PLUMBING FIXTURE SCHEDULE

SCALE NTS



PRESSURE REDUCER VALVE

SCALE NTS

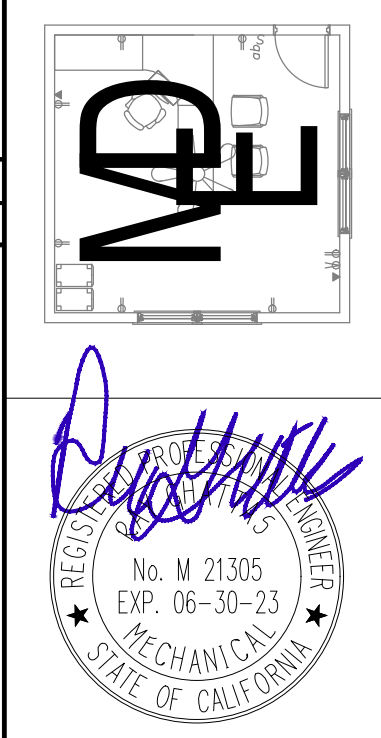
- a. ALL WORK TO COMPLY WITH 2019 CALIFORNIA PLUMBING CODE, 2019 CALIFORNIA BUILDING CODE, 2019 CALIFORNIA GREEN CODE (CALGREEN), 2019 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS, AND TITLE 18 OF LONG BEACH MUNICIPAL CODE.
b. WATER PIPE AND FITTINGS WITH A LEAD CONTENT WHICH EXCEED 0.2% SHALL BE PROHIBITED IN SYSTEMS CONVEYING POTABLE WATER.

FRANK NGUYEN - PLUMBING PLAN CHECK
02/11/2022
BPLM264315 - CONDITIONAL APPROVAL PENDING PERMIT FEE

City of Long Beach
Electronic Plan Check
APPROVED

This construction document MUST be at the job site during construction. It is unlawful to alter, change or deviate from this construction document without approval from the appropriate City agency or department. This approval is subject to field inspection for acceptance of the completed work or installation. The approval of this construction document SHALL NOT be held to permit or to be an approval of the violation of any provisions of the municipal code or other ordinances of the City of Long Beach, California.

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MECHANICAL ELECTRICAL & PLUMBING
1355 N. 3775 W., Cedar City, UT 84721
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darryl@murrayengineer.com

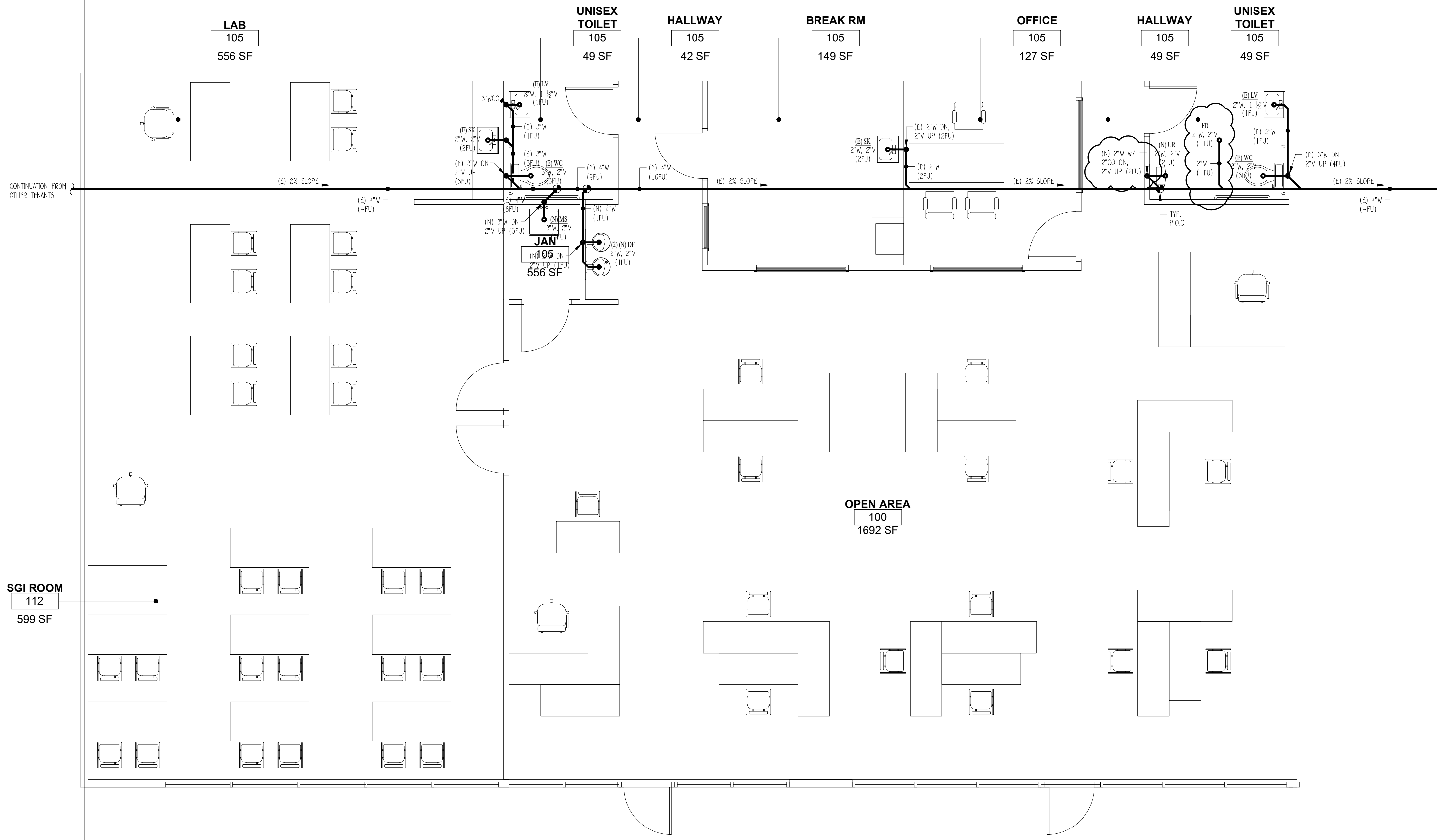


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Long Beach, CA 90805

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ISSUE:
Drawn / Reviewed: DM/RG/NR
Issue Date 06/19/21
Sheet Name PLUMBING GENERAL NOTES, SYMBOLS & DETAILS
Sheet Number

- SK - 2" W DN, 2" V UP (2FU)
- FV - 3" W DN, 2" V UP (3FU)
- LV - 2" W DN, 1 1/2" V UP (1FU)
- UR - 2" W DN, 2" V UP (2FU)
- DE - 2" W DN, 1 1/2" V UP (0.5FU)
- MS - 3" W DN, 2" V UP (3FU)



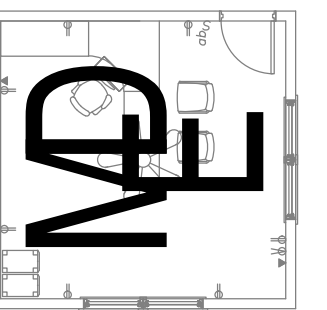
SCOPE OF WORK:
 CONTRACTOR TO PROVIDE AND INSTALL MATERIAL & LABOR TO MODIFY
 EXISTING SPACE WITH EXISTING MAIN LINE (TO REMAIN) AS INDICATED ON
 PLANS TO MEET OR EXCEED CPC 2019 CODE. ALL MAIN LINE WASTE AND
 WATER LINES IN SPACE ARE TO REMAIN AS IS. CONTRACTOR TO MODIFY
 BRANCH FEEDS INSIDE SUITE ONLY AS INDICATED ON PLANS.

READY-TO-ISSUE 02/11/22

WASTE & VENT PLAN

SCALE
 1/2" = 1'-0"

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 darryl@murrayengineer.com



Darryl Murray
 REGISTERED PROFESSIONAL ENGINEER
 No. M 21305
 EXP. 06-30-23
 MECHANICAL
 STATE OF CALIFORNIA

Options For Learning

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 Long Beach, CA 90805

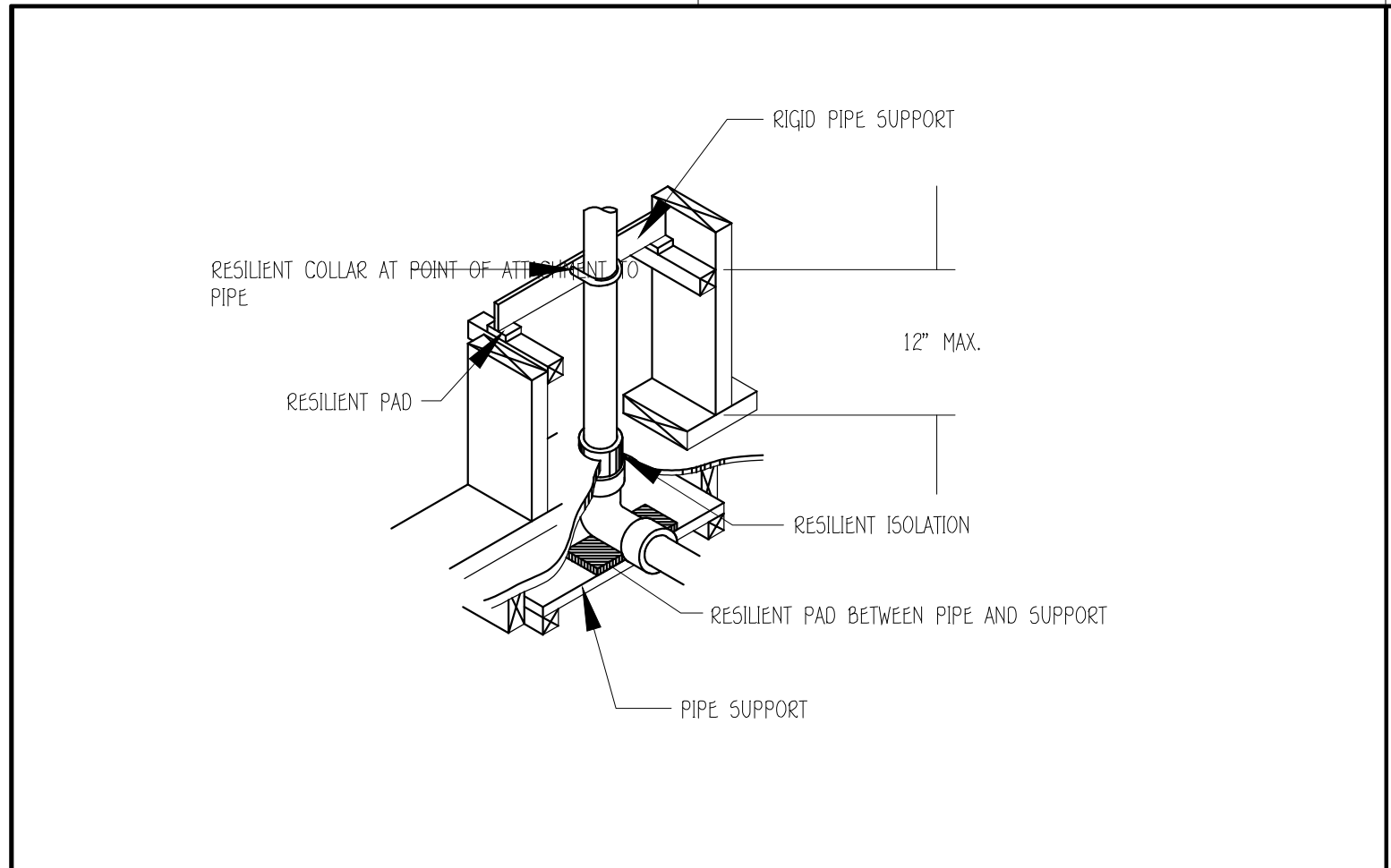
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ISSUE:

| No. | Description |
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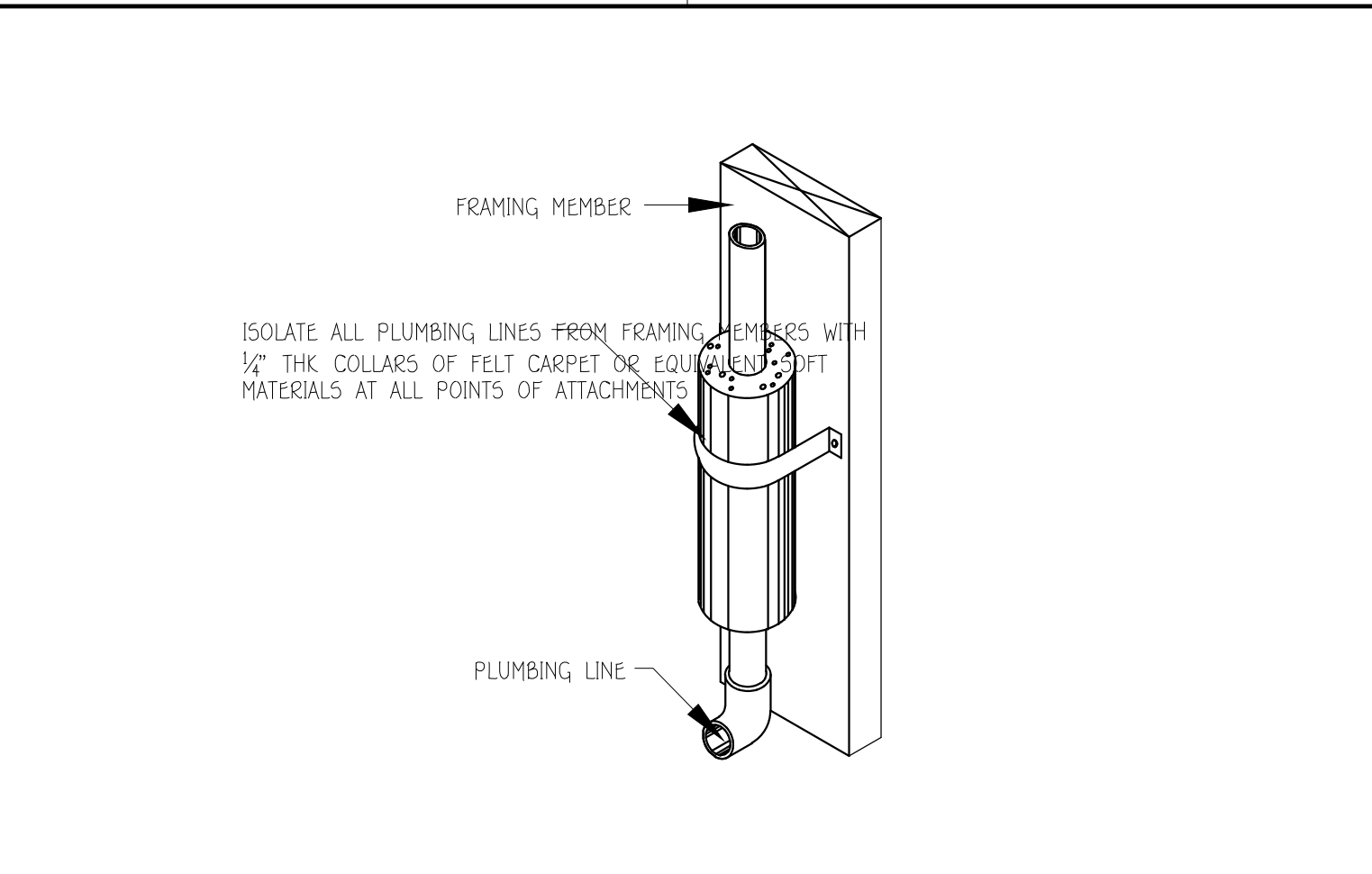
Drawn / Reviewed:
 DM/RG/NR
 Issue Date
 06/19/21
 Sheet Name
 PLUMBING
 WASTE & VENT
 PLAN

Sheet Number
P2.0



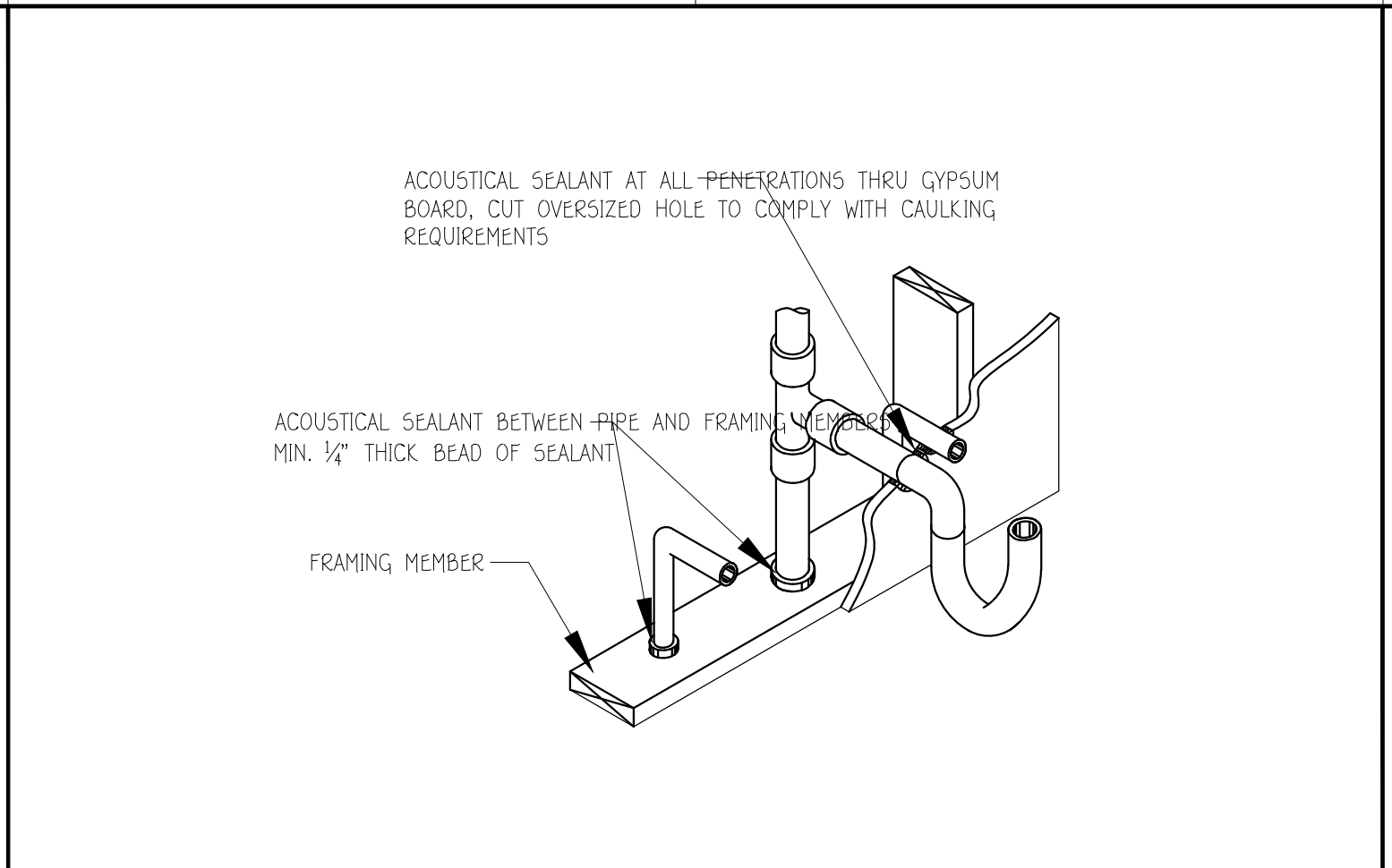
RIGID PIPE SUPPORT AND RESILIENT PAD FOR WASTE LINES

SCALE
NTS



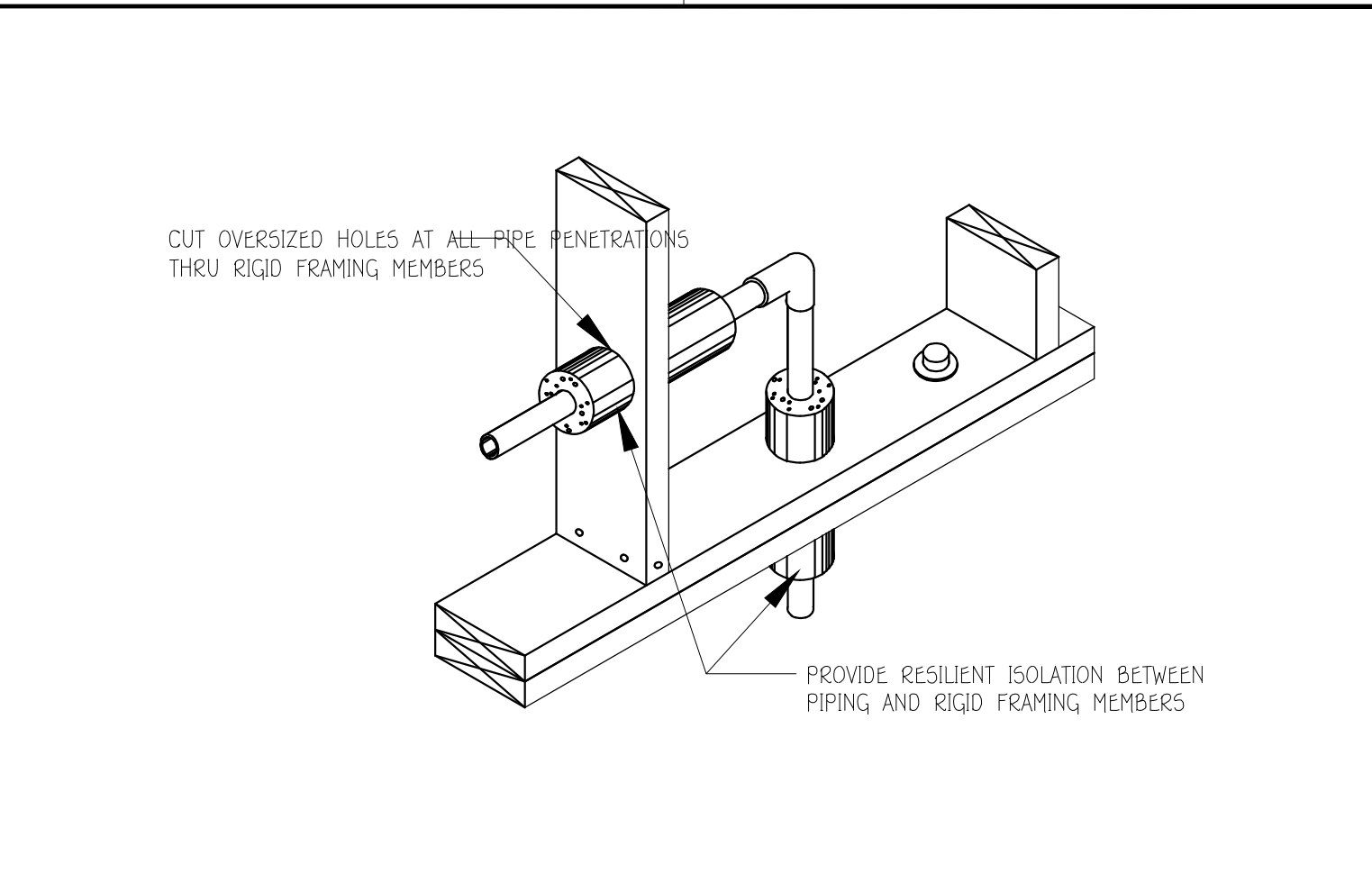
PLUMBING ISOLATION AT ATTACHMENT POINTS

SCALE
NTS



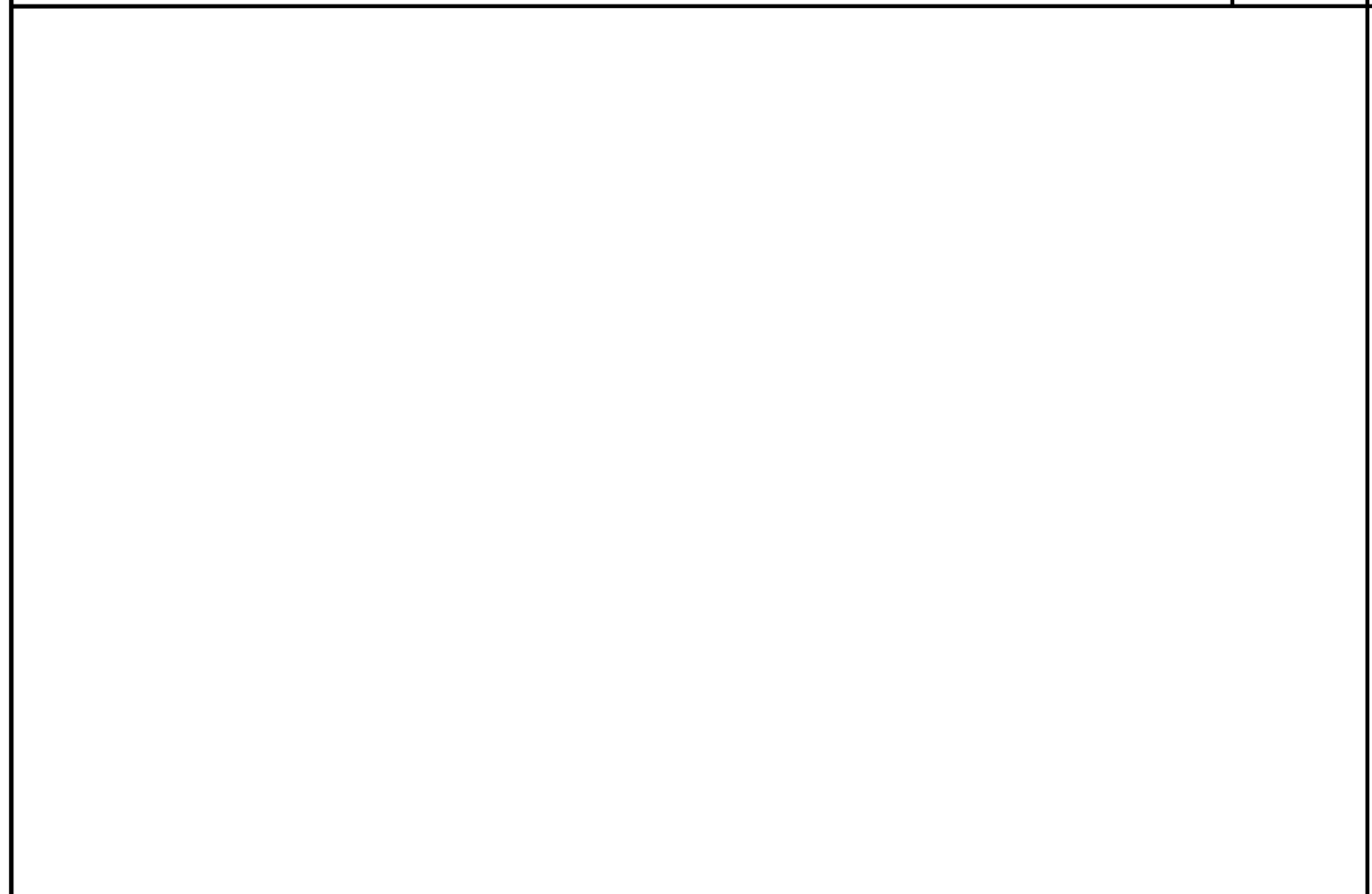
ACOUSTICAL SEALANT AT FRAMING PENETRATIONS

SCALE
NTS



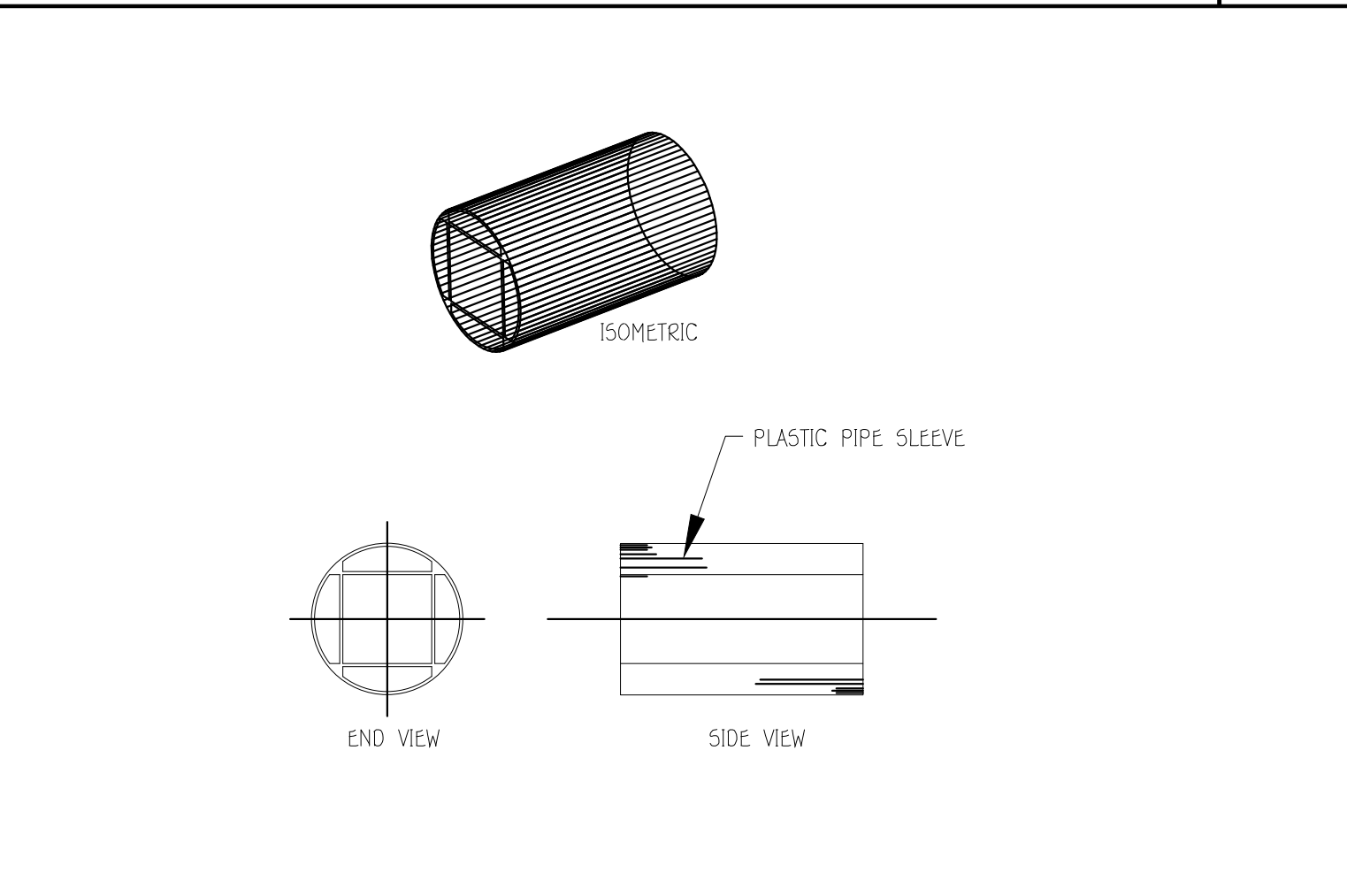
RESILIENT ISOLATION AT PENETRATIONS

SCALE
NTS



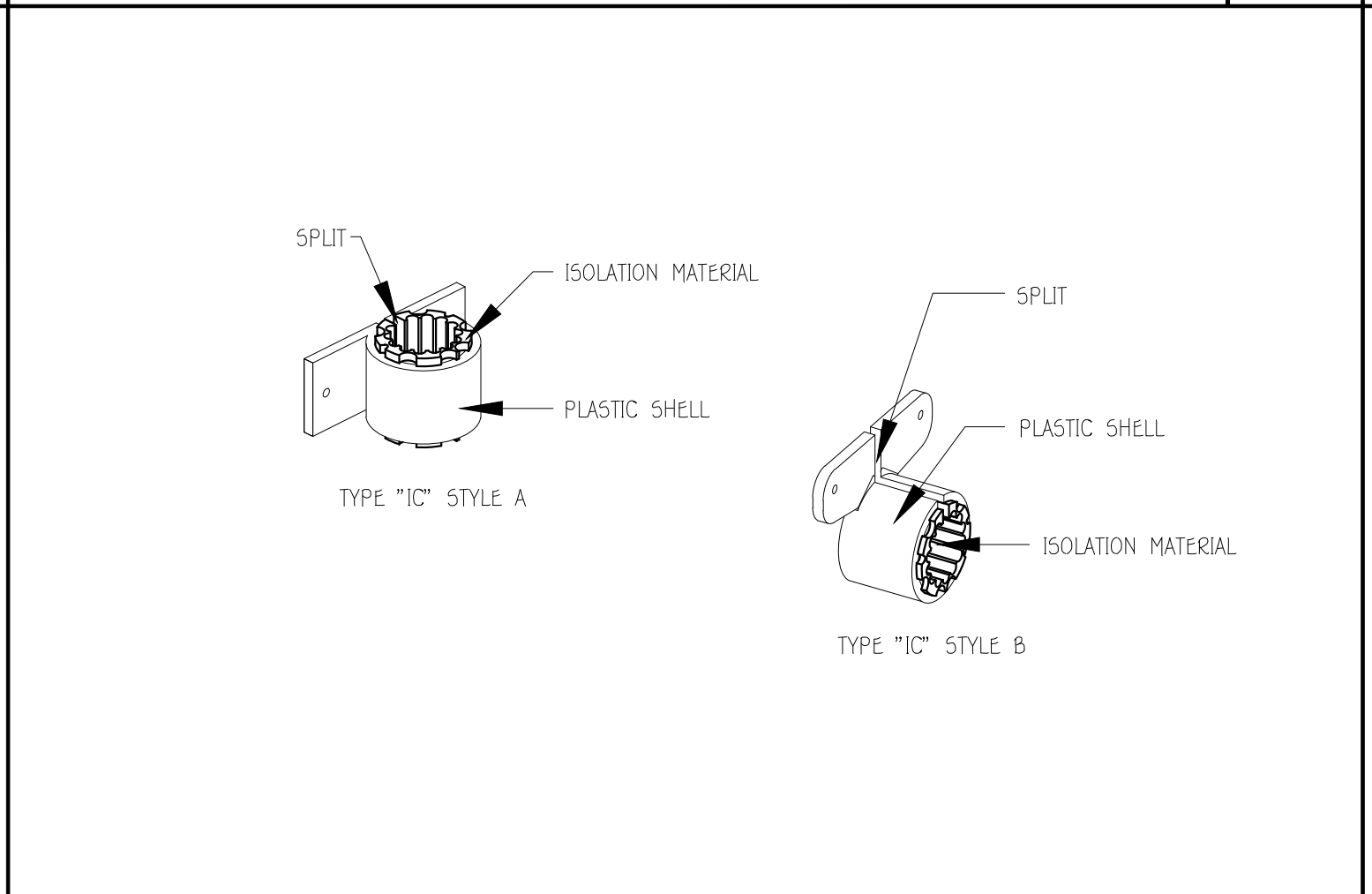
NOT USED

SCALE
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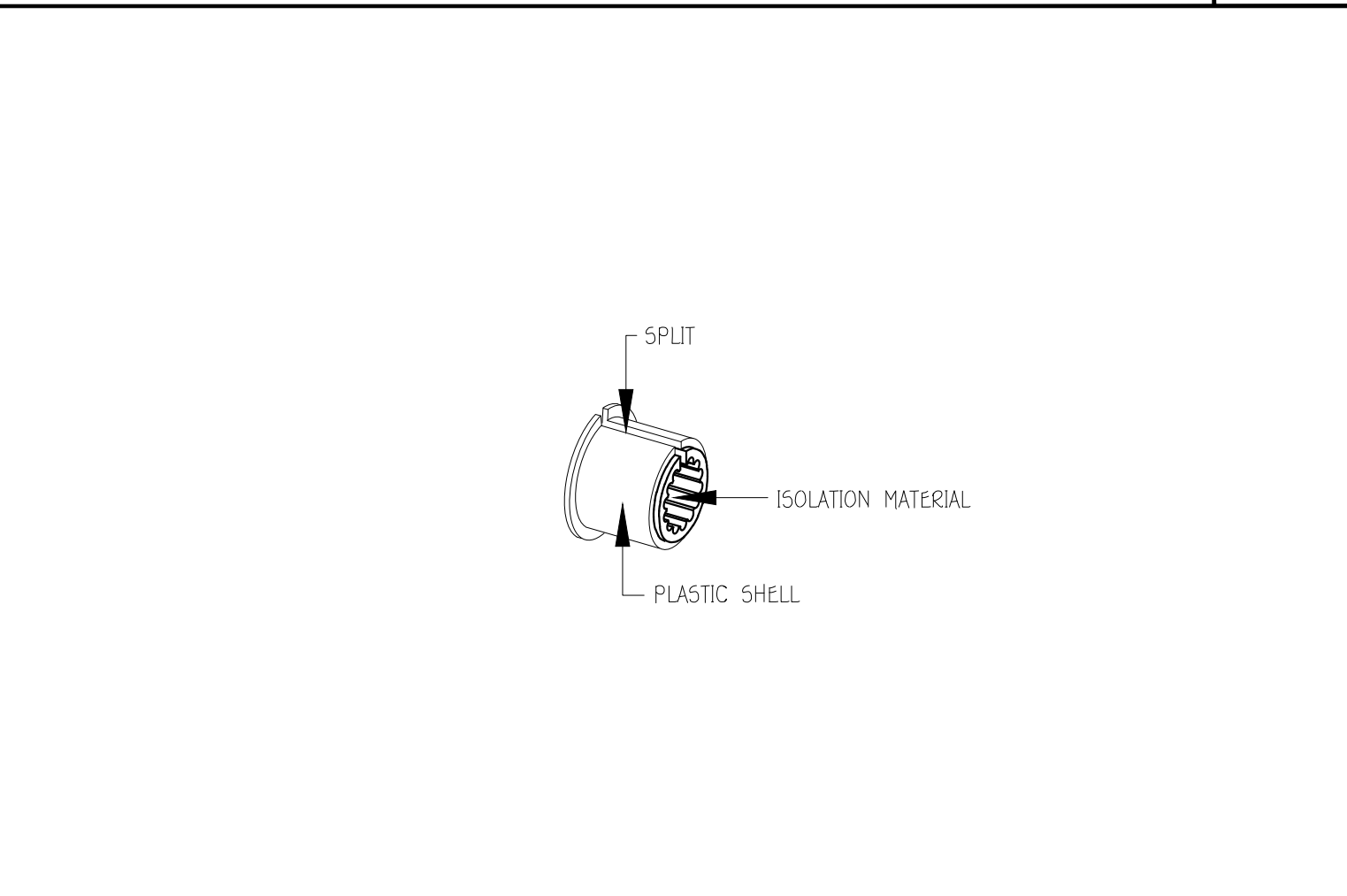
TYPE "ISL" ISOLATION PIPE SLEEVE

SCALE
NTS



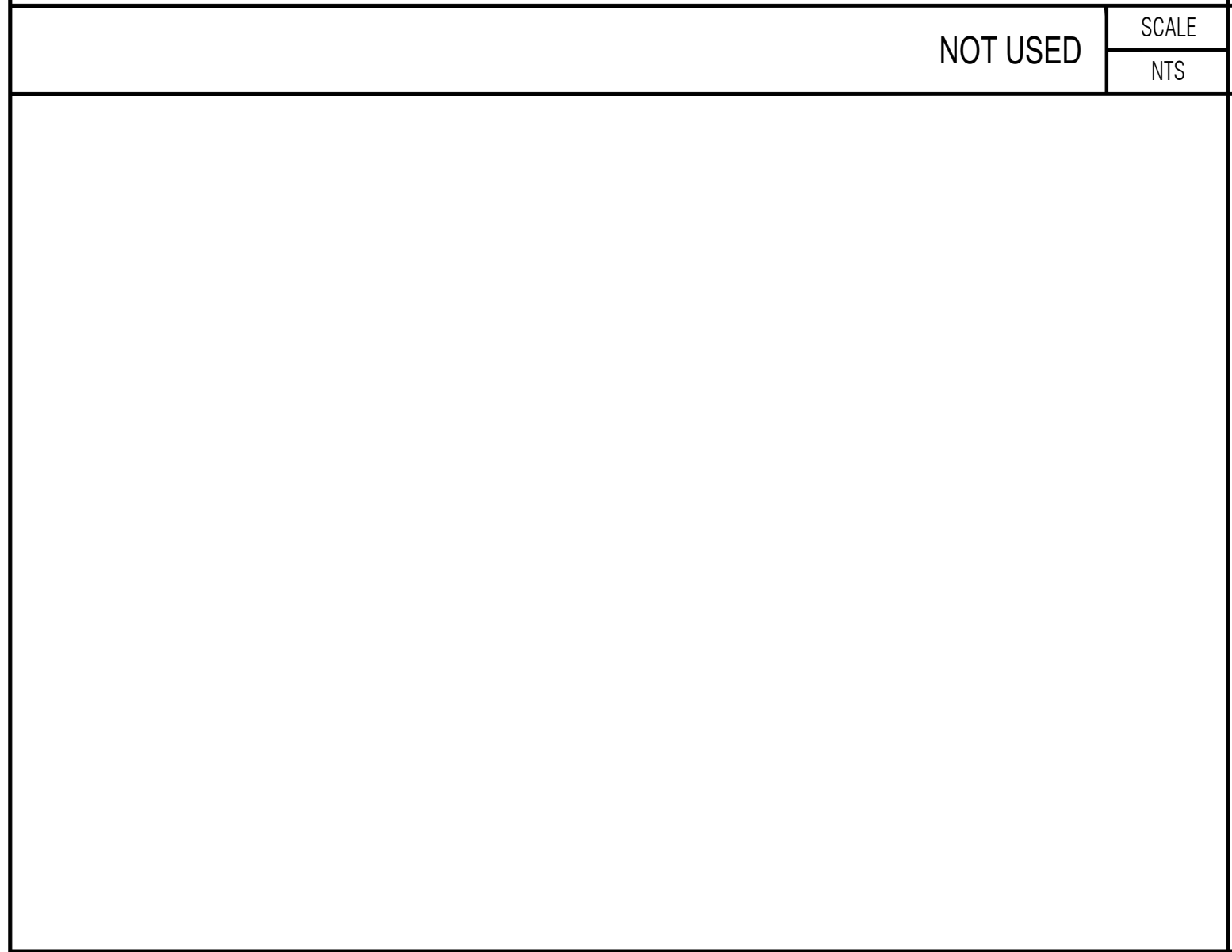
TYPE "IC" ISOLATION PIPE CLAMP

SCALE
NTS



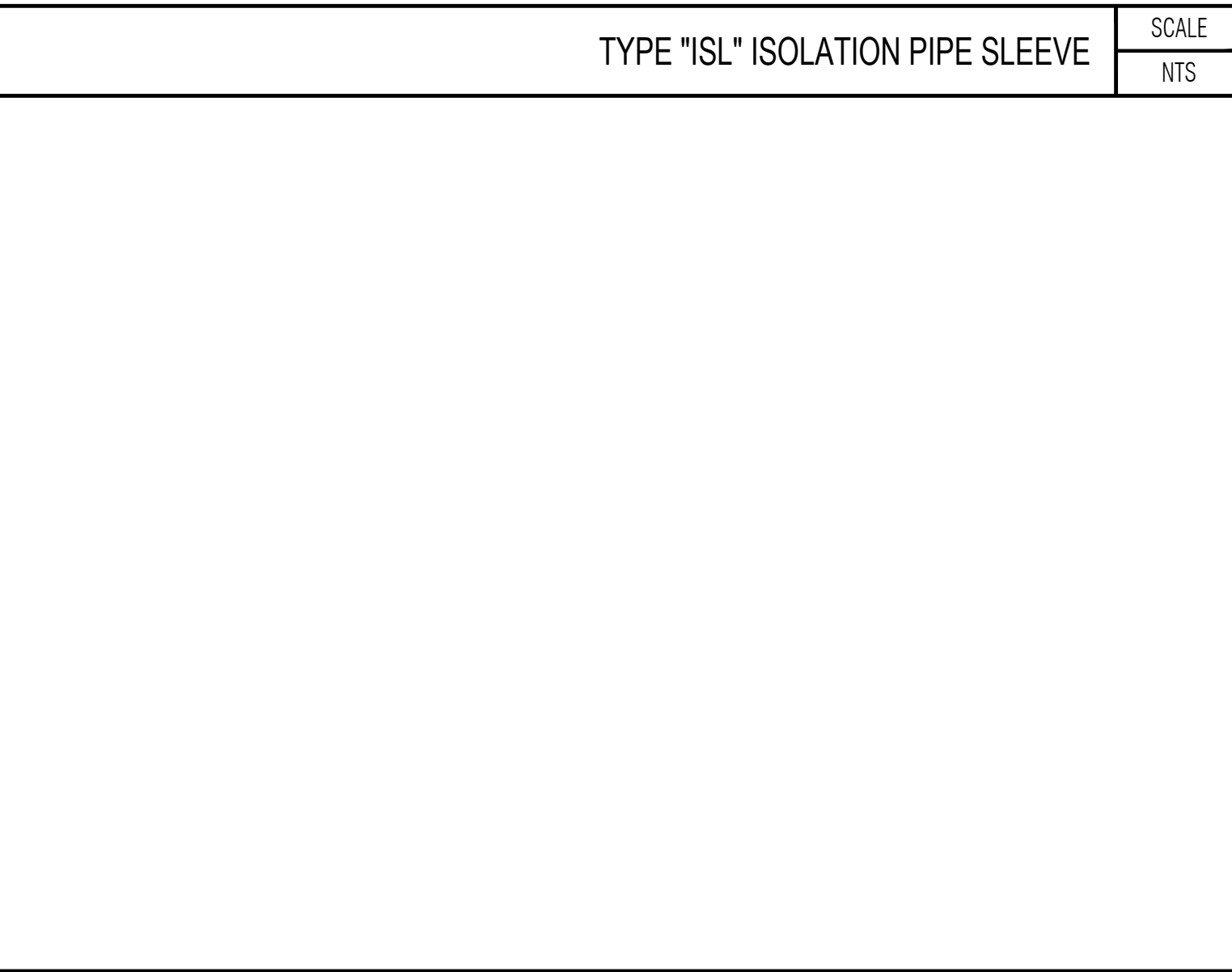
TYPE "IS" ISOLATION PIPE SLEEVE

SCALE
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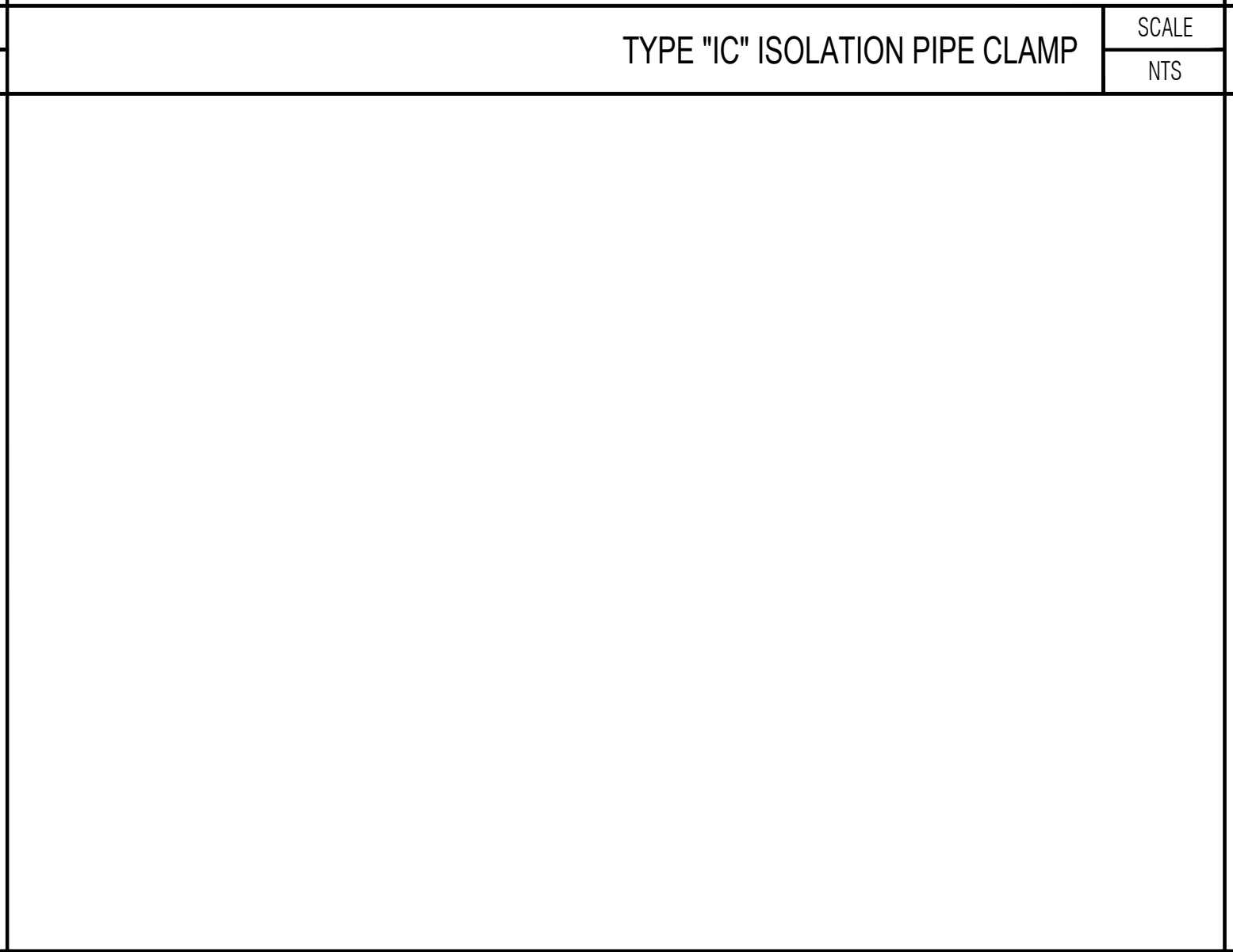
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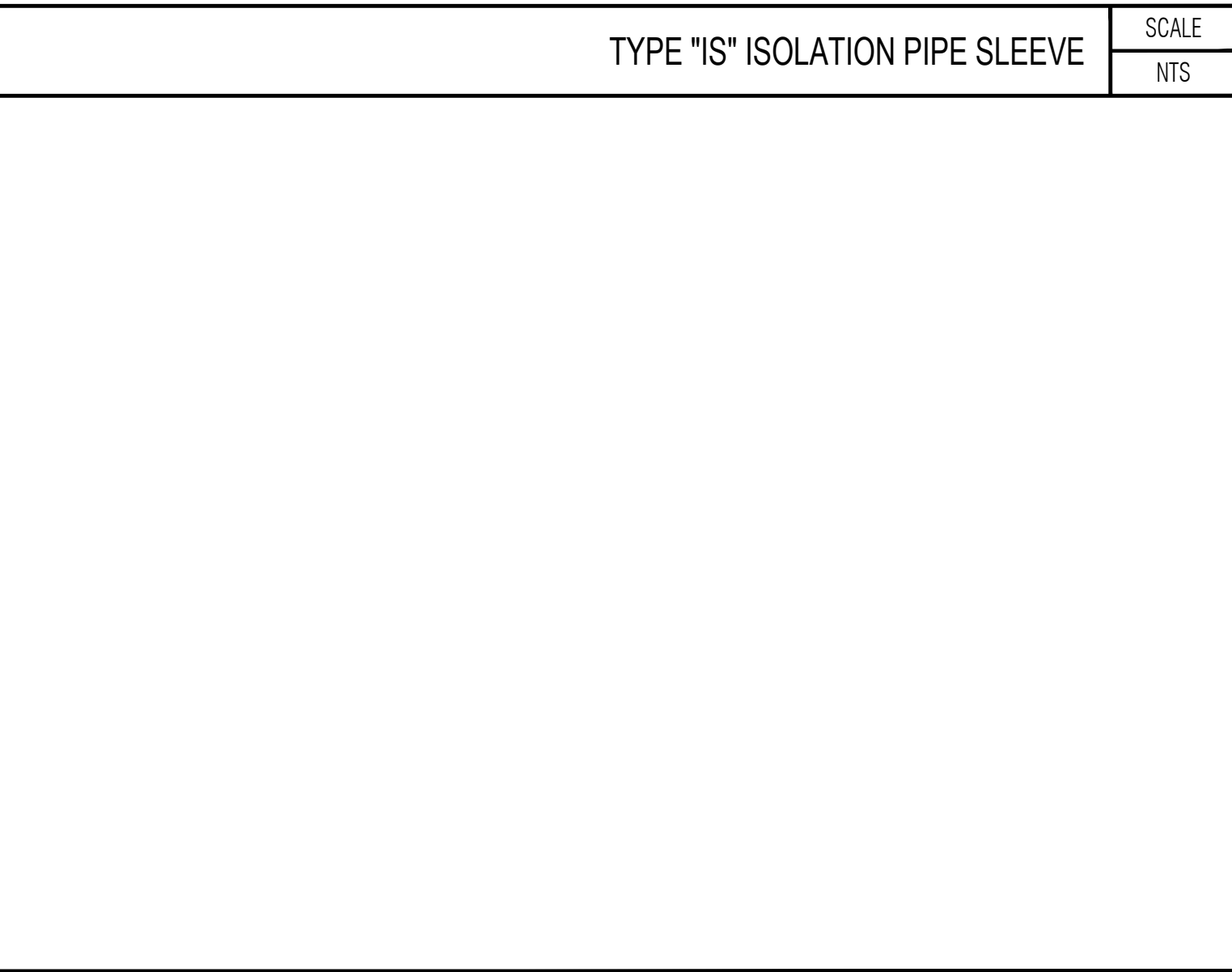
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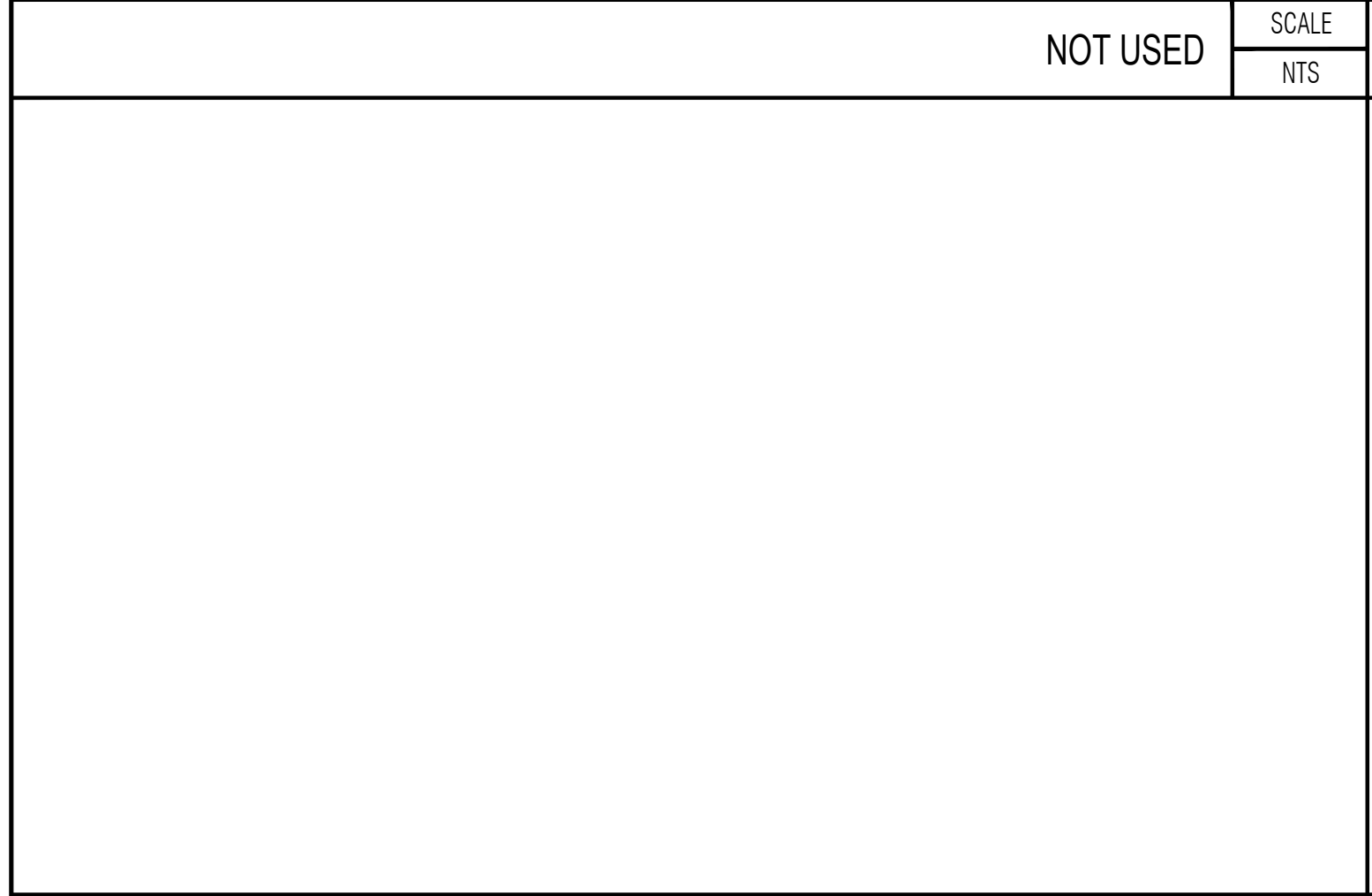
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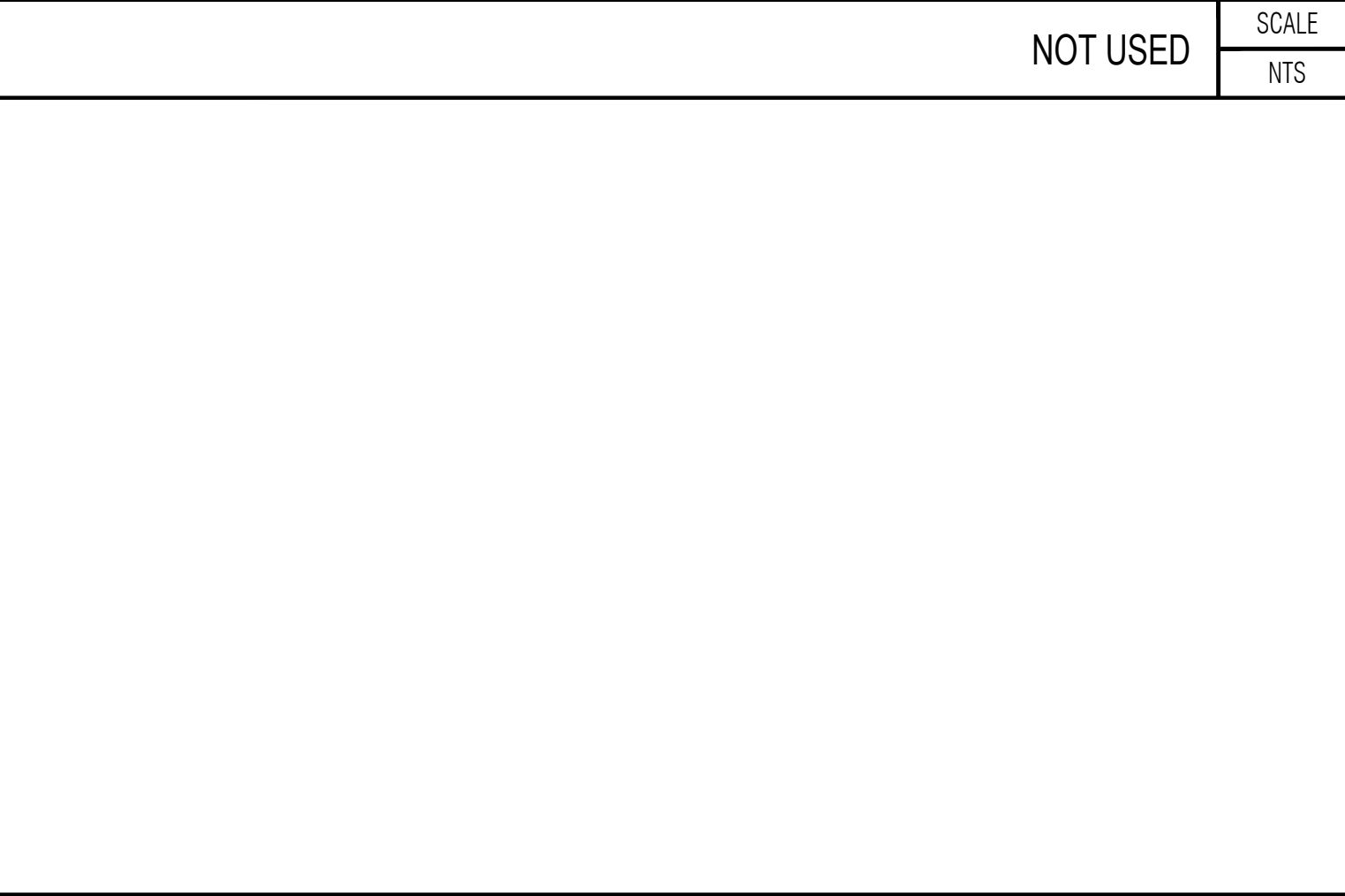
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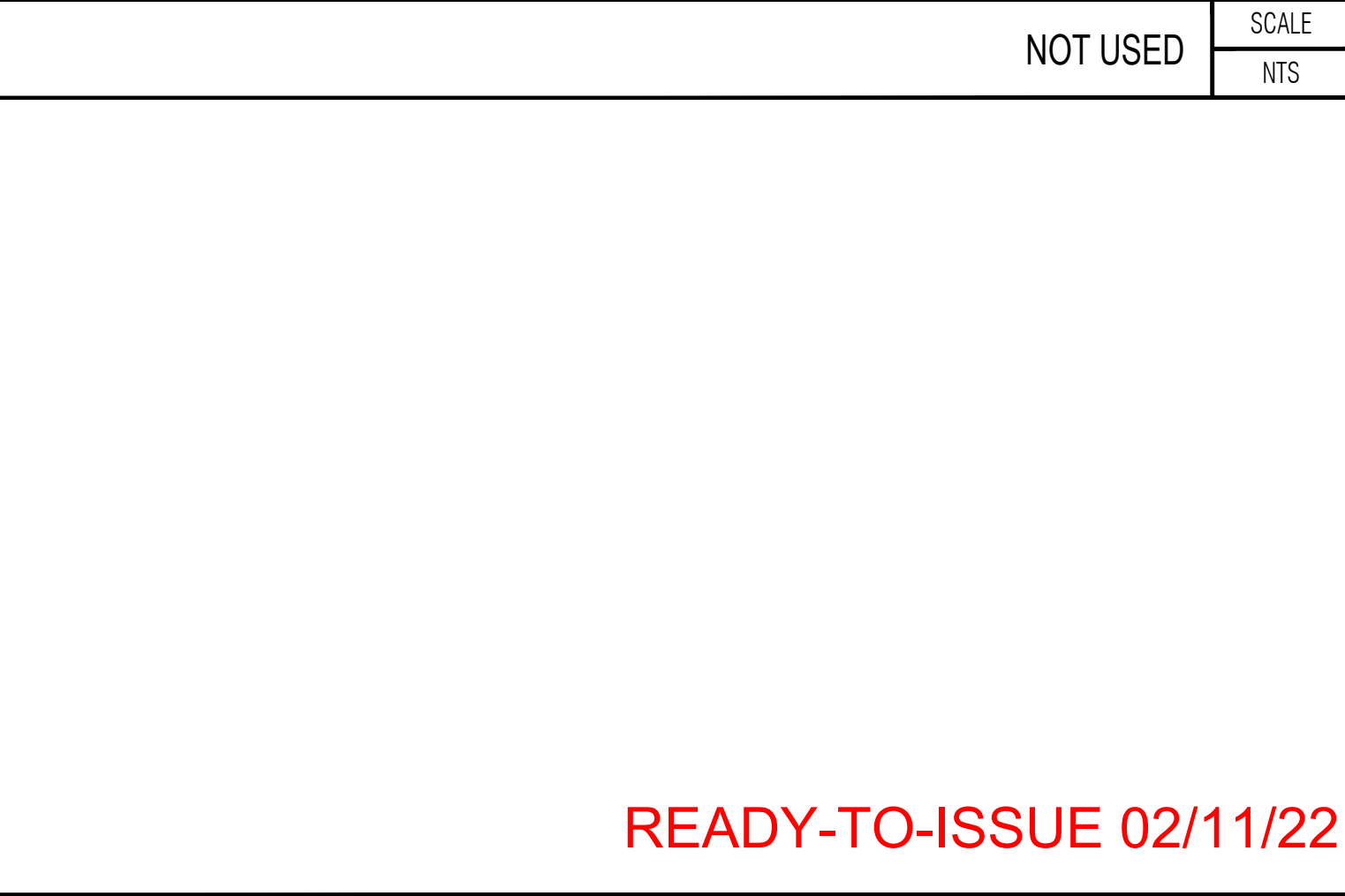
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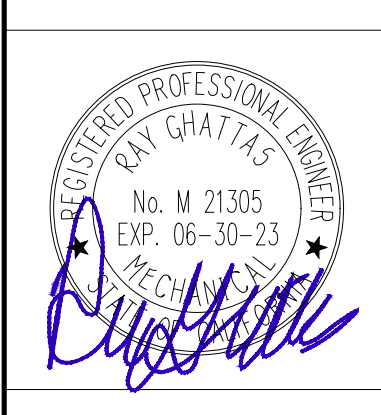
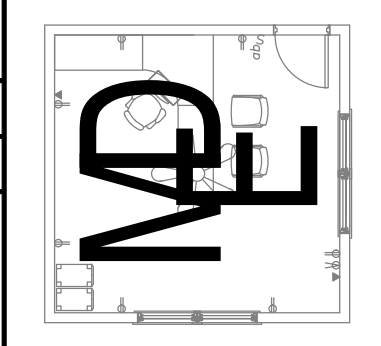
SCALE
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NOT USED

SCALE
NTS

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ISSUE:

NOT USED

SCALE
NTS

NOT USED

SCALE
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Drawn / Reviewed:
DM/RG/NR
Issue Date
06/19/21
Sheet Name
PLUMBING ISOLATION DETAILS
Sheet Number
P4.0

READY-TO-ISSUE 02/11/22

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
This document is used to demonstrate compliance for nonresidential occupancies with requirements in §110.1, §110.3, §120.3, and §140.5, and with requirements in §141.0 for additions and alterations, for domestic water heating systems using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in §110.1, §110.3, §120.3, §150.0, and §150.1(c)(8), and with requirements §150.2 for additions.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.0.001 Schema Version: rev 20190401
Registration Provider: Energysoft
Report Generated: 2021-06-18 21:46:08

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
This table is used to demonstrate compliance with mandatory equipment requirements in §110.1, and §110.3. For high-rise residential and hotel/motel occupancies, compliance with prescriptive requirements in §150.1(c)(8) must also be demonstrated and with §150.2 for addition and alteration scopes.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.0.001 Schema Version: rev 20190401
Registration Provider: Energysoft
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CERTIFICATE OF COMPLIANCE
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Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in §120.3 and §140.5. For high-rise residential and hotel/motel occupancies, compliance is demonstrated with requirements §110.3(c), §120.3, §150.0, §150.1

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.0.001 Schema Version: rev 20190401
Registration Provider: Energysoft
Report Generated: 2021-06-18 21:46:08

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
This table is used to demonstrate compliance with control requirements in §110.3 for all occupancies. For high-rise residential and hotel/motel occupancies, compliance is also demonstrated with requirements in §150.1(c)(8)

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.0.001 Schema Version: rev 20190401
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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
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Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
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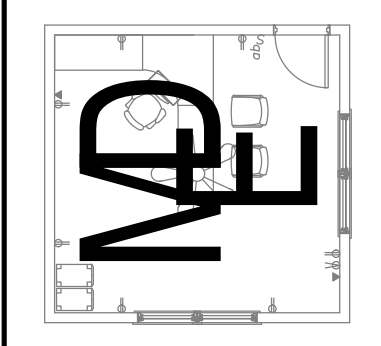
STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
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Table with 2 columns: Field, Value. Includes fields for ISSUED, Drawn / Reviewed: DM/RG/NR, Issue Date: 06/19/21, Sheet Name: PLUMBING ENERGY CALCULATIONS, Sheet Number.

READY-TO-ISSUE 02/11/22