


SHERIFF SCIENTIFIC INVESTIGATIONS DIVISION (SID) ORANGE AND BLUE LAB REMODEL - ADDITIVE ALTERNATE NO. 1

200 SOUTH LENA RD.
SAN BERNARDINO, CA



HOLT
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STAMPS:



SHERIFF SCIENTIFIC
INVESTIGATIONS DIVISION (SID)
ORANGE AND BLUE LAB REMODEL
- ADDITIVE ALTERNATE NO. 1
200 SOUTH LENA RD.
SAN BERNARDINO, CA

PROJECT:

SAN BERNARDINO COUNTY



CLIENT:

| MARK | DATE | DESCRIPTION |
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PROJECT NO.: SBC.002

SHEET TITLE:

COVER SHEET

SHEET NO.:

G001

VICINITY MAP

PROJECT DIRECTORY

SHEET INDEX

OWNER REPRESENTATIVE:
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PH:
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STRUCTURAL ENGINEER:
address
PH:
CONTACT:

MECHANICAL ENGINEER:
address
PH:
CONTACT:

PLUMBING ENGINEER:
address
PH:
CONTACT:

ELECTRICAL ENGINEER:
address
PH:
CONTACT:

LEED CONSULTANT:
address
PH:
CONTACT:

COMMISSIONING CONSULTANT:
address
PH:
CONTACT:

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ELECTRICAL
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E002 LUMINAIRE SCHEDULE
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P201 PLUMBING REMODEL FLOOR PLANS
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37

NOT USED

NOT FOR BID

| APPLICABLE CODES | | PROJECT SUMMARY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|--|--------------|--|--------------|---------------------------------|--------------|----------------------------|--------------|---|--------------|---|--------------|---|--------------|--|--------------|---|--|-------------|------|--------------------|---------------------------|-----------|--|-------------------------|----------|---------------------|-----------------------------------|---|--|----------------------|----|-----------------------|-----------------|---|-----------------|----------------------------|--------|----------------------------|----------------|--|----------------------------------|----------------------------------|----------|----------------------|------------------|----------|---------------------|--------------------------|----------|--|--------------------------------------|----------|--|------------------|-----|---------------------|
| <p>PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 2020</p> <p>2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.</p> <p>2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS)</p> <p>2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2021 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)</p> <p>2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. (2021 UNIFORMED MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)</p> <p>2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2021 UNIFORMED PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)</p> <p>2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.</p> <p>2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)</p> <p>2022 CALIFORNIA EXISTING BUILDINGS CODE, PART 10</p> <p>2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen), PART 11, TITLE 24 C.C.R.</p> <p>2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.</p> <p>TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS</p> <p>PARTIAL LIST OF APPLICABLE STANDARDS</p> <table><tbody><tr><td>NFPA 13 - AUTOMATIC SPRINKLER SYSTEMS</td><td>2019 EDITION</td></tr><tr><td>NFPA 14 - STANDPIPE SYSTEMS (CA AMENDED)</td><td>2019 EDITION</td></tr><tr><td>NFPA 17A - WET CHEMICAL SYSTEMS</td><td>2017 EDITION</td></tr><tr><td>NFPA 20 - STATIONARY PUMPS</td><td>2019 EDITION</td></tr><tr><td>NFPA 24 - PRIVATE FIRE MAINS (CA AMENDED)</td><td>2019 EDITION</td></tr><tr><td>NFPA 72 - NATIONAL FIRE ALARM CODE (CA AMENDED)</td><td>2019 EDITION</td></tr><tr><td>NFPA 80 - FIRE DOOR AND OTHER OPENING PROTECTIVES</td><td>2019 EDITION</td></tr><tr><td>NFPA 2001 - CLEAN AGENT FIRE EXTINGUISHING SYSTEMS</td><td>2018 EDITION</td></tr></tbody></table> | | NFPA 13 - AUTOMATIC SPRINKLER SYSTEMS | 2019 EDITION | NFPA 14 - STANDPIPE SYSTEMS (CA AMENDED) | 2019 EDITION | NFPA 17A - WET CHEMICAL SYSTEMS | 2017 EDITION | NFPA 20 - STATIONARY PUMPS | 2019 EDITION | NFPA 24 - PRIVATE FIRE MAINS (CA AMENDED) | 2019 EDITION | NFPA 72 - NATIONAL FIRE ALARM CODE (CA AMENDED) | 2019 EDITION | NFPA 80 - FIRE DOOR AND OTHER OPENING PROTECTIVES | 2019 EDITION | NFPA 2001 - CLEAN AGENT FIRE EXTINGUISHING SYSTEMS | 2018 EDITION | <table><thead><tr><th>DESCRIPTION</th><th>INFO</th><th>2022 CBC REFERENCE</th></tr></thead><tbody><tr><td>OVERALL EXISTING BUILDING</td><td>25,086 SF</td><td></td></tr><tr><td>BUILDING AREA REMODELED</td><td>1,153 SF</td><td>REFER TO SHEET G100</td></tr><tr><td>ACTUAL EXISTING NUMBER OF STORIES</td><td>1</td><td></td></tr><tr><td>TYPE OF CONSTRUCTION</td><td>VB</td><td>CHAPTER 6 - TABLE 601</td></tr><tr><td>SPRINKLERED Y/N</td><td>Y</td><td>PER SECTION 903</td></tr><tr><td>ACTUAL (E) BUILDING HEIGHT</td><td>23'-0"</td><td>HEIGHT ABOVE GRADE IN FEET</td></tr><tr><td>OCCUPANCY TYPE</td><td></td><td>CHAPTER 3 - SECTION 303 THRU 313</td></tr><tr><td>ACCESSIBLE SITE ENTRANCE SIGNAGE</td><td>EXISTING</td><td>REFER TO SHEET AS100</td></tr><tr><td>ACCESSIBLE ROUTE</td><td>EXISTING</td><td>REFER TO SHEET G100</td></tr><tr><td>ACCESSIBLE ROUTE SIGNAGE</td><td>EXISTING</td><td></td></tr><tr><td>ACCESSIBILITY SIGNAGE AT BUILDING...</td><td>EXISTING</td><td></td></tr><tr><td>FIRE SEPARATIONS</td><td>YES</td><td>REFER TO SHEET G100</td></tr></tbody></table> | | DESCRIPTION | INFO | 2022 CBC REFERENCE | OVERALL EXISTING BUILDING | 25,086 SF | | BUILDING AREA REMODELED | 1,153 SF | REFER TO SHEET G100 | ACTUAL EXISTING NUMBER OF STORIES | 1 | | TYPE OF CONSTRUCTION | VB | CHAPTER 6 - TABLE 601 | SPRINKLERED Y/N | Y | PER SECTION 903 | ACTUAL (E) BUILDING HEIGHT | 23'-0" | HEIGHT ABOVE GRADE IN FEET | OCCUPANCY TYPE | | CHAPTER 3 - SECTION 303 THRU 313 | ACCESSIBLE SITE ENTRANCE SIGNAGE | EXISTING | REFER TO SHEET AS100 | ACCESSIBLE ROUTE | EXISTING | REFER TO SHEET G100 | ACCESSIBLE ROUTE SIGNAGE | EXISTING | | ACCESSIBILITY SIGNAGE AT BUILDING... | EXISTING | | FIRE SEPARATIONS | YES | REFER TO SHEET G100 |
| NFPA 13 - AUTOMATIC SPRINKLER SYSTEMS | 2019 EDITION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NFPA 14 - STANDPIPE SYSTEMS (CA AMENDED) | 2019 EDITION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NFPA 17A - WET CHEMICAL SYSTEMS | 2017 EDITION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NFPA 20 - STATIONARY PUMPS | 2019 EDITION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NFPA 24 - PRIVATE FIRE MAINS (CA AMENDED) | 2019 EDITION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NFPA 72 - NATIONAL FIRE ALARM CODE (CA AMENDED) | 2019 EDITION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NFPA 80 - FIRE DOOR AND OTHER OPENING PROTECTIVES | 2019 EDITION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NFPA 2001 - CLEAN AGENT FIRE EXTINGUISHING SYSTEMS | 2018 EDITION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION | INFO | 2022 CBC REFERENCE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OVERALL EXISTING BUILDING | 25,086 SF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BUILDING AREA REMODELED | 1,153 SF | REFER TO SHEET G100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACTUAL EXISTING NUMBER OF STORIES | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TYPE OF CONSTRUCTION | VB | CHAPTER 6 - TABLE 601 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPRINKLERED Y/N | Y | PER SECTION 903 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACTUAL (E) BUILDING HEIGHT | 23'-0" | HEIGHT ABOVE GRADE IN FEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCCUPANCY TYPE | | CHAPTER 3 - SECTION 303 THRU 313 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACCESSIBLE SITE ENTRANCE SIGNAGE | EXISTING | REFER TO SHEET AS100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACCESSIBLE ROUTE | EXISTING | REFER TO SHEET G100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACCESSIBLE ROUTE SIGNAGE | EXISTING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACCESSIBILITY SIGNAGE AT BUILDING... | EXISTING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIRE SEPARATIONS | YES | REFER TO SHEET G100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROJECT DESCRIPTION | | DEFERRED APPROVALS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>RESTROOM REMODEL IN EXISTING LABORATORY BUILDING INCLUDING NEW LAYOUTS, EQUIPMENT / FIXTURES, AND FINISHES.</p> | | <p>• N/A</p> <p>TRACTOR IS TO PROVIDE COMPLETE DESIGN SUBMITTALS WITH JUSTIFICATION OF LIFE SAFETY ELEMENTS AND/OR SYSTEM. PRIOR TO SUBMITTING TO AUTHORITY HAVING JURISDICTION, ALL SUBMITTALS SHALL BE AS FOLLOWS:</p> <ol style="list-style-type: none">CA LICENSED ENGINEER MUST STAMP AND WET-SIGN DRAWINGS INCLUDING SUPPORTING CALCULATIONS.AFFIX SHOP DRAWINGS STAMP INDICATING COORDINATION BETWEEN THE DEFERRED SUBMITTAL AND APPROVED DRAWING IS COMPLETE.SUBMIT SHOP DRAWINGS AND ENGINEERING CALCULATIONS FOR CONSTRUCTION AND INSTALLATION TO THE ARCHITECT FOR APPROVAL. <p>THE DEFERRED APPROVAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE ARCHITECT AND AUTHORITY HAVING JURISDICTION.</p> <p>DEFERRED APPROVAL ITEMS ARE AS FOLLOWS:</p> <ol style="list-style-type: none">FIRE ALARM SYSTEM<ol style="list-style-type: none">SUBMITTED DRAWINGS AT TIME OF DEFERRED SUBMITTAL APPROVAL SHALL INCLUDE ALL FLOOR PLANS AND CROSS SECTIONS TO INDICATED PLACEMENT WITHIN THE BUILDING.CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE POWER TO ALL ASSOCIATED DEVICES THAT PERTAIN TO THE FIRE ALARM SYSTEM. CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE WITH ELECTRICAL CONTRACTOR AND FIRE ALARM VENDOR.BUILDINGS SHALL BE PROVIDED WITH A MANUAL ALARM SYSTEM WITH THE CAPABILITY TO SUPPORT VISIBLE ALARM NOTIFICATION APPLIANCES IN ACCORDANCE WITH NFPA 72.FIRE SPRINKLER SYSTEM<ol style="list-style-type: none">SUBMITTED DRAWINGS AT TIME OF DEFERRED SUBMITTAL APPROVAL SHALL INCLUDE ALL FLOOR PLANS AND CROSS SECTIONS TO INDICATED PLACEMENT WITHIN THE BUILDING.CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE SYSTEM DESIGN WITH ALL TRADES TO ENSURE ROUTING, CLEARANCES, CONNECTIONS, ETC... ARE FEASIBLE AND COORDINATED. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REFERENCE DOCUMENTS | | BID ALTERNATES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <ol style="list-style-type: none">SAN BERNARDINO COUNTY SHERIFF'S CRIME LAB AND IDENTIFICATION ADDITION (AS-BUILT 08/19/1998)PRE-RENOVATION ASBESTOS AND LEAD SURVEY AND VISUAL MOLD INSPECTION REPORT (08/10/2025) | | <ol style="list-style-type: none">N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OWNER PROVIDED SCOPE | | SPECIAL INSPECTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <ol style="list-style-type: none">N/A | | <ol style="list-style-type: none">N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |


PROJECT:

SHERIFF SCIENTIFIC INVESTIGATIONS DIVISION (SID) ORANGE AND BLUE LAB REMODEL - ADDITIVE ALTERNATE NO. 1

200 SOUTH LENA RD. SAN BERNARDINO, CA

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| MARK | DATE | DESCRIPTION |
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PROJECT NO.: SBC.002

SHEET TITLE:

TITLE SHEET

SHEET NO.:

G002

NOT USED

A5.602
CALGreen VERIFICATION GUIDELINES
MANDATORY MEASURES CHECKLIST
2022 EDITION

APPLICATION: THIS CHECKLIST SHALL BE USED FOR NONRESIDENTIAL PROJECTS THAT MEET ONE OF THE FOLLOWING: NEW CONSTRUCTION, BUILDING ADDITIONS OF 1,000 SQUARE FEET OR GREATER, OR BUILDING ALTERATIONS WITH A PERMIT VALUATION OF \$200,000 OR MORE PURSUANT TO SECTION 301.3 AND NOT TRIGGER A TIER 1 OR TIER 2 REQUIREMENT:

Y = YES (SECTION HAS BEEN SELECTED AND/OR INCLUDED)
N/A = NOT APPLICABLE (CODE SECTION DOES NOT APPLY TO THE PROJECT - MAINLY USED FOR ADDITIONS AND ALTERATIONS)
O = OTHER (PROVIDE EXPLANATION)
[N] = NEW CONSTRUCTION PURSUANT TO SECTION 301.3
[A] = ADDITIONAL AND/OR ALTERATIONS PURSUANT TO SECTION 301.3

| CHAPTER 5 DIVISIONS | | | | | | | |
|--|---|---------------------------------|---|---|-----|---|---------------------------------------|
| DIVISION 5.1 PLANNING AND DESIGN | | | | | | | |
| REQUIREMENT | SECTION TITLE | CODE SECTION | Y | N | N/A | O | PLAN SHEET, SPEC, OR ATTACH REFERENCE |
| MANDATORY | STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN 1 ACRE OF LAND | 5.106.1 THROUGH 5.106.2 | | | | | |
| MANDATORY | SHORT-TERM BICYCLE PARKING (WITH EXCEPTION) | 5.106.4.1.1 | | | | | |
| MANDATORY | LONG-TERM BICYCLE PARKING | 5.106.4.1.2 THROUGH... | | | | | |
| MANDATORY | ELECTRIC VEHICLE (EV) CHARGING [N] (WITH EXCEPTIONS) | 5.106.5.3 | | | | | |
| MANDATORY | EV CAPABLE SPACES [N] | 5.106.5.3.1 | | | | | |
| MANDATORY | ELECTRICAL VEHICLE CHARGING STATIONS (EVCS) | 5.106.5.3.2 | | | | | |
| MANDATORY | USE OF AUTOMATIC LOAD MANAGEMENT SYSTEMS (ALMS) | 5.106.5.3.3 | | | | | |
| MANDATORY | ACCESSIBLE EVCS | 5.106.5.3.4 | | | | | |
| MANDATORY | ELECTRIC VEHICLE (EV) CHARGING: MEDIUM-DUTY AND HEAVY DUTY (WITH EXCEPTIONS) | 5.106.5.4 | | | | | |
| MANDATORY | ELECTRIC VEHICLE CHARGING READINESS REQUIREMENTS FOR WAREHOUSES, GROCERY STORES AND RETAIL STORES WITH PLANNED OFF-STREET LOADING SPACES. [N] | 5.106.5.4.1 | | | | | |
| MANDATORY | LIGHT POLLUTION REDUCTION [N] (WITH EXCEPTIONS) | 5.106.8 | | | | | |
| MANDATORY | FACING - BACKLIGHT (WITH EXCEPTIONS) | 5.106.8.1 | | | | | |
| MANDATORY | FACING - GLARE | 5.106.8.2 | | | | | |
| MANDATORY | GRADING AND PAVING (WITH EXCEPTIONS) | 5.106.10 | | | | | |
| DIVISION 5.2 ENERGY EFFICIENCY | | | | | | | |
| REQUIREMENT | SECTION TITLE | CODE SECTION | Y | N | N/A | O | PLAN SHEET, SPEC, OR ATTACH REFERENCE |
| MANDATORY | MEET THE MINIMUM ENERGY EFFICIENCY STANDARD | 5.201.1 | | | | | |
| DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION | | | | | | | |
| REQUIREMENT | SECTION TITLE | CODE SECTION | Y | N | N/A | O | PLAN SHEET, SPEC, OR ATTACH REFERENCE |
| MANDATORY | SEPARATE METERS (NEW BUILDINGS OR ADDITIONS > 50,000 SF THAT CONSUME MORE THAN 100 GAL/DAY) | 5.303.1.1 | | | | | |
| MANDATORY | SEPARATE METERS (FOR TENANTS IN NEW BUILDINGS OR ADDITIONS THAT CONSUME MORE THAN 1,000 GAL/DAY) | 5.303.1.2 | | | | | |
| MANDATORY | WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH (GPF) | 5.303.3.1 | | | | | |
| MANDATORY | WALL-MOUNTED URINALS SHALL NOT EXCEED 0.125 GPF | 5.303.3.2.1 | | | | | |
| MANDATORY | FLOOR-MOUNTED URINALS SHALL NOT EXCEED 0.5 GPF | 5.303.3.2.2 | | | | | |
| MANDATORY | SINGLE SHOWERHEAD SHALL HAVE MAXIMUM FLOW RATE OF 1.8 GPM (GALLONS PER MINUTE) AT 80 PSI | 5.303.3.3.1 | | | | | |
| MANDATORY | MULTIPLE SHOWERHEADS SERVING ONE SHOWER SHALL HAVE A COMBINED FLOW RATE OF 1.8 GPM AT 80 PSI | 5.303.3.3.2 | | | | | |
| MANDATORY | NONRESIDENTIAL LAVATORY FAUCETS | 5.303.3.4.1 | | | | | |
| MANDATORY | KITCHEN FAUCETS | 5.303.3.4.2 | | | | | |
| MANDATORY | WASH FOUNTAINS | 5.303.3.4.3 | | | | | |
| MANDATORY | METERING FAUCETS | 5.303.3.4.4 | | | | | |
| MANDATORY | METERING FAUCETS FOR WASH FOUNTAINS | 5.303.3.4.5 | | | | | |
| MANDATORY | PRE-RINSE SPRAY VALVE | 5.303.3.4.6 | | | | | |
| MANDATORY | FOOD WASTE DISPOSERS | 5.303.4.1 | | | | | |
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| MANDATORY | STANDARDS FOR PLUMBING FIXTURES AND FITTINGS | 5.303.6 | | | | | |
| MANDATORY | OUTDOOR POTABLE WATER USE IN LANDSCAPE AREA | 5.304.1 | | | | | |
| DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY | | | | | | | |
| REQUIREMENT | SECTION TITLE | CODE SECTION | Y | N | N/A | O | PLAN SHEET, SPEC, OR ATTACH REFERENCE |
| MANDATORY | WEATHER PROTECTION | 5.407.1 | | | | | |
| MANDATORY | MOISTURE CONTROL: SPRINKLERS | 5.407.2.1 | | | | | |
| MANDATORY | MOISTURE CONTROL: EXTERIOR DOOR PROTECTION | 5.407.2.2.1 | | | | | |
| MANDATORY | MOISTURE CONTROL: FLASHING | 5.407.2.2.2 | | | | | |
| MANDATORY | CONSTRUCTION WASTE MANAGEMENT—COMPLY WITH EITHER: SECTIONS 5.408.1.1, 5.408.1.2, 5.408.1.3 OR MORE STRINGENT LOCAL ORDINANCE | 5.408.1.1, 5.408.1.2, 5.408.1.3 | | | | | |
| MANDATORY | CONSTRUCTION WASTE MANAGEMENT: DOCUMENTATION | 5.408.1.4 | | | | | |
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| MANDATORY | EXCAVATED SOIL AND LAND CLEARING DEBRIS (100% REUSE OR RECYCLE) | 5.408.3 | | | | | |
| MANDATORY | RECYCLING BY OCCUPANTS (WITH EXCEPTION) | 5.410.1 | | | | | |
| MANDATORY | RECYCLING BY OCCUPANTS: ADDITIONS (WITH EXCEPTION) | 5.410.1.1 | | | | | |
| MANDATORY | RECYCLING BY OCCUPANTS: SAMPLE ORDINANCE | 5.410.1.2 | | | | | |
| MANDATORY | COMMISSIONING NEW BUILDINGS (≥ 10,000 SF) [N] | 5.410.2 | | | | | |
| MANDATORY | OWNER'S OR OWNER REPRESENTATIVES PROJECT REQUIREMENTS (OPR) [N] | 5.410.2.1 | | | | | |
| MANDATORY | BASIS OF DESIGN (BOD) [N] | 5.410.2.2 | | | | | |
| MANDATORY | COMMISSIONING PLAN [N] | 5.410.2.3 | | | | | |
| MANDATORY | FUNCTIONAL PERFORMANCE TESTING [N] | 5.410.2.4 | | | | | |
| MANDATORY | DOCUMENTATION AND TRAINING [N] | 5.410.2.5 | | | | | |
| MANDATORY | SYSTEMS MANUAL [N] | 5.410.2.5.1 | | | | | |
| MANDATORY | SYSTEMS OPERATION TRAINING [N] | 5.410.2.5.2 | | | | | |
| MANDATORY | COMMISSIONING REPORT [N] | 5.410.2.6 | | | | | |
| MANDATORY | TESTING AND ADJUSTING FOR NEW BUILDINGS < 10,000 SF OR NEW SYSTEMS THAT SERVE ADDITIONS OR ALTERATIONS... | 5.410.4 | | | | | |
| MANDATORY | SYSTEM TESTING PLAN FOR RENEWABLE ENERGY, LANDSCAPE IRRIGATION AND WATER REUSE [A] | 5.410.4.2 | | | | | |
| MANDATORY | PROCEDURES FOR TESTING AND ADJUSTING | 5.410.4.3 | | | | | |
| MANDATORY | PROCEDURES FOR HVAC BALANCING | 5.410.4.3.1 | | | | | |
| MANDATORY | REPORTING FOR TESTING AND ADJUSTING | 5.410.4.4 | | | | | |
| MANDATORY | OPERATION AND MAINTENANCE (O&M) MANUAL | 5.410.4.5 | | | | | |
| MANDATORY | INSPECTION AND REPORTS | 5.410.4.5.1 | | | | | |

| DIVISION 5.5 ENVIRONMENTAL QUALITY | | | | | | | |
|------------------------------------|---|-----------------------------|---|---|-----|---|---------------------------------------|
| REQUIREMENT | SECTION TITLE | CODE SECTION | Y | N | N/A | O | PLAN SHEET, SPEC, OR ATTACH REFERENCE |
| MANDATORY | FIREPLACES | 5.503.1 | | | | | |
| MANDATORY | WOODSTOVES | 5.503.1.1 | | | | | |
| MANDATORY | TEMPORARY VENTILATION | 5.504.1 | | | | | |
| MANDATORY | COVERING OF DUCTS OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION | 5.504.3 | | | | | |
| MANDATORY | ADHESIVES, SEALANTS, AND CAULKS | 5.504.4.1 | | | | | |
| MANDATORY | PAINTS AND COATINGS | 5.504.4.3 | | | | | |
| MANDATORY | AEROSOL PAINTS AND COATINGS | 5.504.4.3.1 | | | | | |
| MANDATORY | AEROSOL PAINTS AND COATINGS: VERIFICATION | 5.504.4.3.2 | | | | | |
| MANDATORY | CARPET SYSTEMS | 5.504.4.4 | | | | | |
| MANDATORY | CARPET CUSHION | 5.504.4.4.1 | | | | | |
| MANDATORY | CARPET ADHESIVES PER TABLE 5.504.4.1 | 5.504.4.4.2 | | | | | |
| MANDATORY | COMPOSITE WOOD PRODUCTS | 5.504.4.5 | | | | | |
| MANDATORY | COMPOSITE WOOD PRODUCTS: DOCUMENTATION | 5.504.4.5.3 | | | | | |
| MANDATORY | RESILIENT FLOORING SYSTEMS | 5.504.4.6 | | | | | |
| MANDATORY | RESILIENT FLOORING: VERIFICATION OF COMPLIANCE | 5.504.4.6.1 | | | | | |
| MANDATORY | THERMAL INSULATION | 5.504.4.7 | | | | | |
| MANDATORY | THERMAL INSULATION: VERIFICATION OF COMPLIANCE | 5.504.4.7.1 | | | | | |
| MANDATORY | ACOUSTICAL CEILING AND WALL PANELS | 5.504.4.8 | | | | | |
| MANDATORY | ACOUSTICAL CEILING AND WALL PANELS: VERIFICATION OF COMPLIANCE | 5.504.4.8.1 | | | | | |
| MANDATORY | FILTERS (WITH EXCEPTIONS) | 5.504.5.3 | | | | | |
| MANDATORY | FILTERS: LABELING | 5.504.5.3.1 | | | | | |
| MANDATORY | ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL | 5.504.7 | | | | | |
| MANDATORY | INDOOR MOISTURE CONTROL | 5.505.1 | | | | | |
| MANDATORY | OUTSIDE AIR DELIVERY | 5.506.1 | | | | | |
| MANDATORY | CARBON DIOXIDE (CO2) MONITORING | 5.506.2 | | | | | |
| MANDATORY | ACOUSTICAL CONTROL (WITH EXCEPTION) | 5.507.4 | | | | | |
| MANDATORY | EXTERIOR NOISE TRANSMISSION, PRESCRIPTIVE METHOD (WITH EXCEPTIONS) | 5.507.4.1 | | | | | |
| MANDATORY | NOISE EXPOSURE WHERE NOISE CONTOURS ARE NOT READILY AVAILABLE | 5.507.4.1.1 | | | | | |
| MANDATORY | PERFORMANCE METHOD | 5.507.4.2 | | | | | |
| MANDATORY | SITE FEATURES | 5.507.4.2.1 | | | | | |
| MANDATORY | DOCUMENTATION OF COMPLIANCE | 5.507.4.2.2 | | | | | |
| MANDATORY | INTERIOR SOUND TRANSMISSION (WITH NOTE) | 5.507.4.3 | | | | | |
| MANDATORY | OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS | 5.508.1 | | | | | |
| MANDATORY | CHLOROFLUOROCARBONS (CFCs) | 5.508.1.1 | | | | | |
| MANDATORY | HALONS | 5.508.1.2 | | | | | |
| MANDATORY | SUPERMARKET REFRIGERANT LEAK REDUCTION FOR RETAIL FOOD STORES 8,000 SQUARE FEET OR MORE | 5.508.2 THROUGH 5.508.2.6.3 | | | | | |
| MANDATORY | END OF MANDATORY PROVISIONS | | | | | | |

DOCUMENTATION AUTHOR'S / RESPONSIBLE DESIGNER'S DECLARATION STATEMENT

☐ MANDATORY: I ATTEST THAT THIS MANDATORY PROVISIONS CHECKLIST IS ACCURATE AND COMPLETE.

| | |
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| SIGNATURE: | |
| | |
| COMPANY: | DATE: |
| HOLT ARCHITECTURE | |
| ADDRESS: | LICENSE: |
| 2300 MARKET ST #140 | |
| CITY/STATE/ZIP: | PHONE: |
| RIVERSIDE CA, 92555 | (951)462-1451 |

WWW.HOLTARCHITECTURE.COM

CONSULTANT:

STAMPS:



SHERIFF SCIENTIFIC
INVESTIGATIONS DIVISION (SID)
ORANGE AND BLUE LAB REMODEL
- ADDITIVE ALTERNATE NO. 1
200 SOUTH LENA RD.
SAN BERNARDINO, CA

PROJECT:

SAN BERNARDINO COUNTY



CLIENT:

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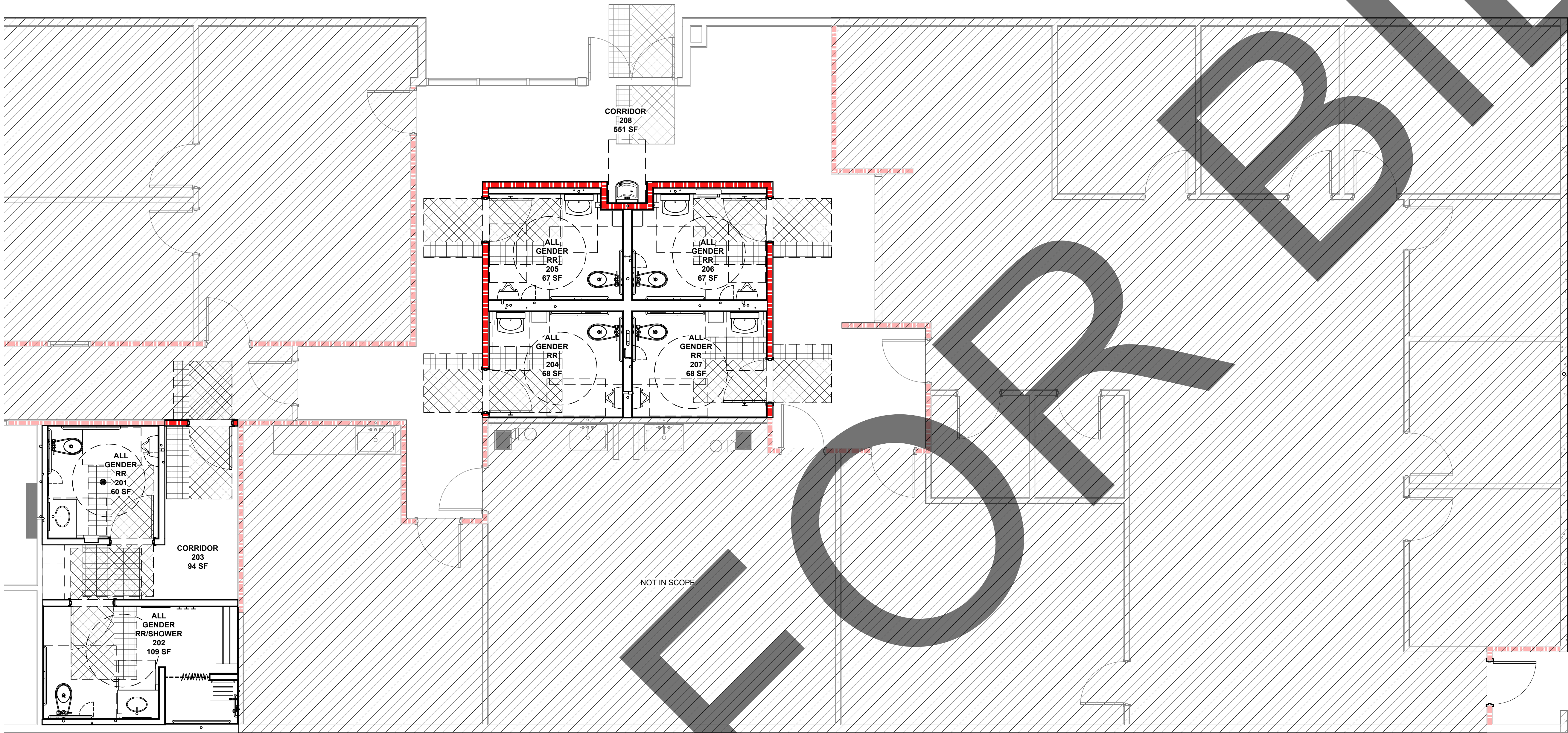
PROJECT NO.: SBC.002

SHEET TITLE:

CALGREEN
CHECKLIST

SHEET NO.:

G004



1 CODE ANALYSIS PLAN - RESTROOM AND SHOWERS
1/4" = 1'-0"

| CODE ANALYSIS PLAN LEGEND | | | | | | | |
|---------------------------|-----|-------------------|-----------------------------|-------|-----|-------------|--------------------|
| IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS | IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS |
| | | LIMIT OF WORK | | | | | |
| | (E) | WALL TO REMAIN | | | | | |
| | (N) | FRAMED WALL | REFER TO A601 WALL SCHEDULE | | | | |
| | (E) | 1-HR RATED WALL | | | | | |
| | (N) | 1-HR RATED WALL | REFER TO A601 WALL SCHEDULE | | | | |
| | (E) | DOOR TO REMAIN | | | | | |
| | (N) | DOOR | REFER TO A600 DOOR SCHEDULE | | | | |
| | | CLEAR FLOOR SPACE | | | | | |

- CODE GENERAL NOTES
1.

SQUARE FOOTAGES SHOWN ON PLANS AND SCHEDULES ARE USEABLE AREA.
2.

EXISTING CORRIDORS ARE DESIGNED AS 1-HR RATED TUNNEL ASSEMBLIES. IF RATED WALLS OR TUNNEL (CEILING) ARE IMPACTED BY THE SCOPE OF WORK, CONTRACTOR SHALL PATCH/REPAIR TO MAINTAIN 1-HR RATING.
3.

ALL PENETRATIONS THROUGH FIRE-RATED WALLS SHALL BE EQUIPPED WITH DAMPERS, SEALANTS, OR OTHER APPROPRIATE AND APPROVED MATERIALS AND METHODS SO AS TO MAINTAIN RATING.
4.

FOR CODE REQUIRED SIGNAGE INFORMATION, REFER TO SHEET G110.
5.

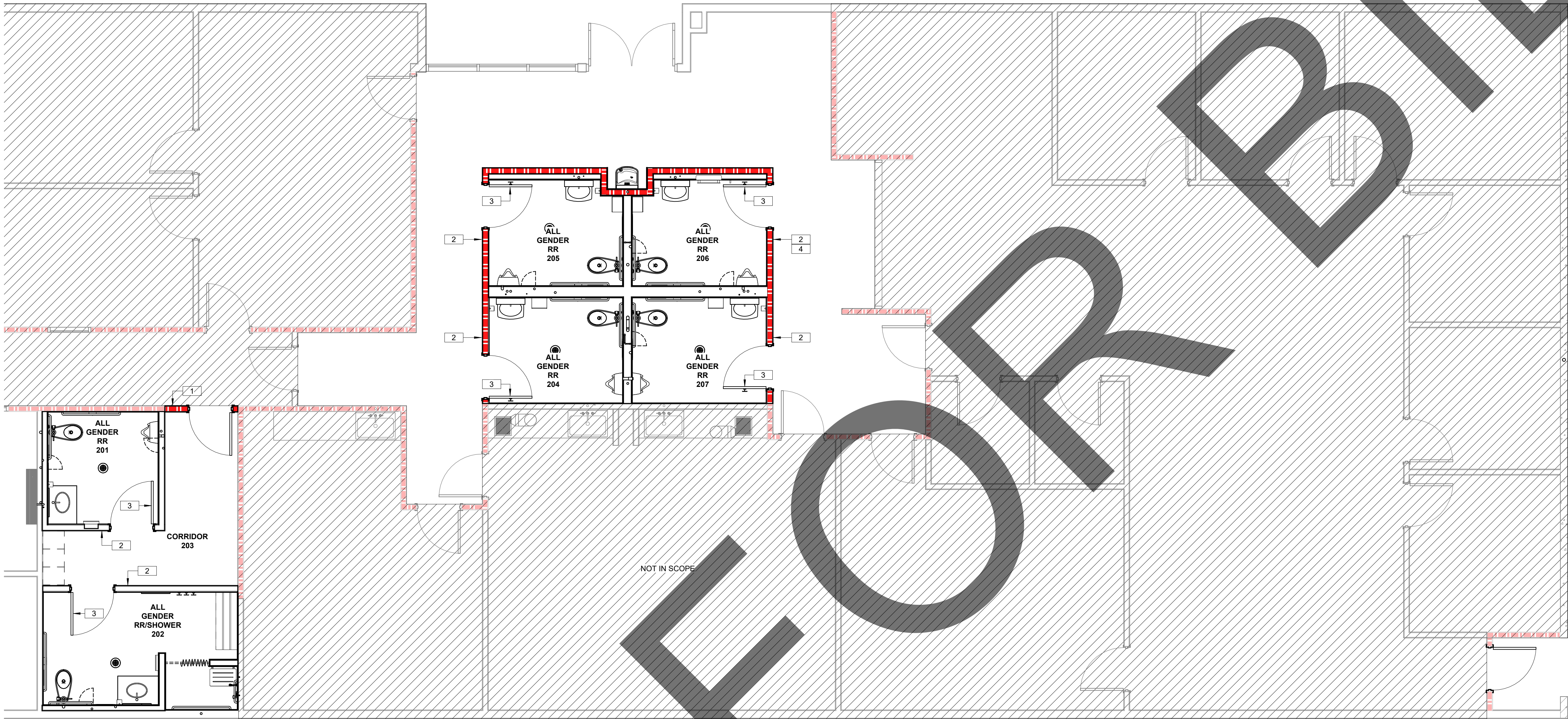
FOR ACCESSIBLE SITE ELEMENTS, REFER TO SHEET ____.
6.

FOR ALL BUILDING ACCESSIBILITY DETAILS, REFER TO SHEET ____.
7.



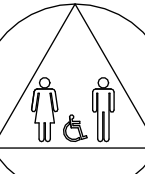

REFER TO FLOOR PLANS AND WALL SCHEDULE FOR ALL WALLS AND RATED WALL ASSEMBLIES.

NOT USED

| KEY PLAN | |
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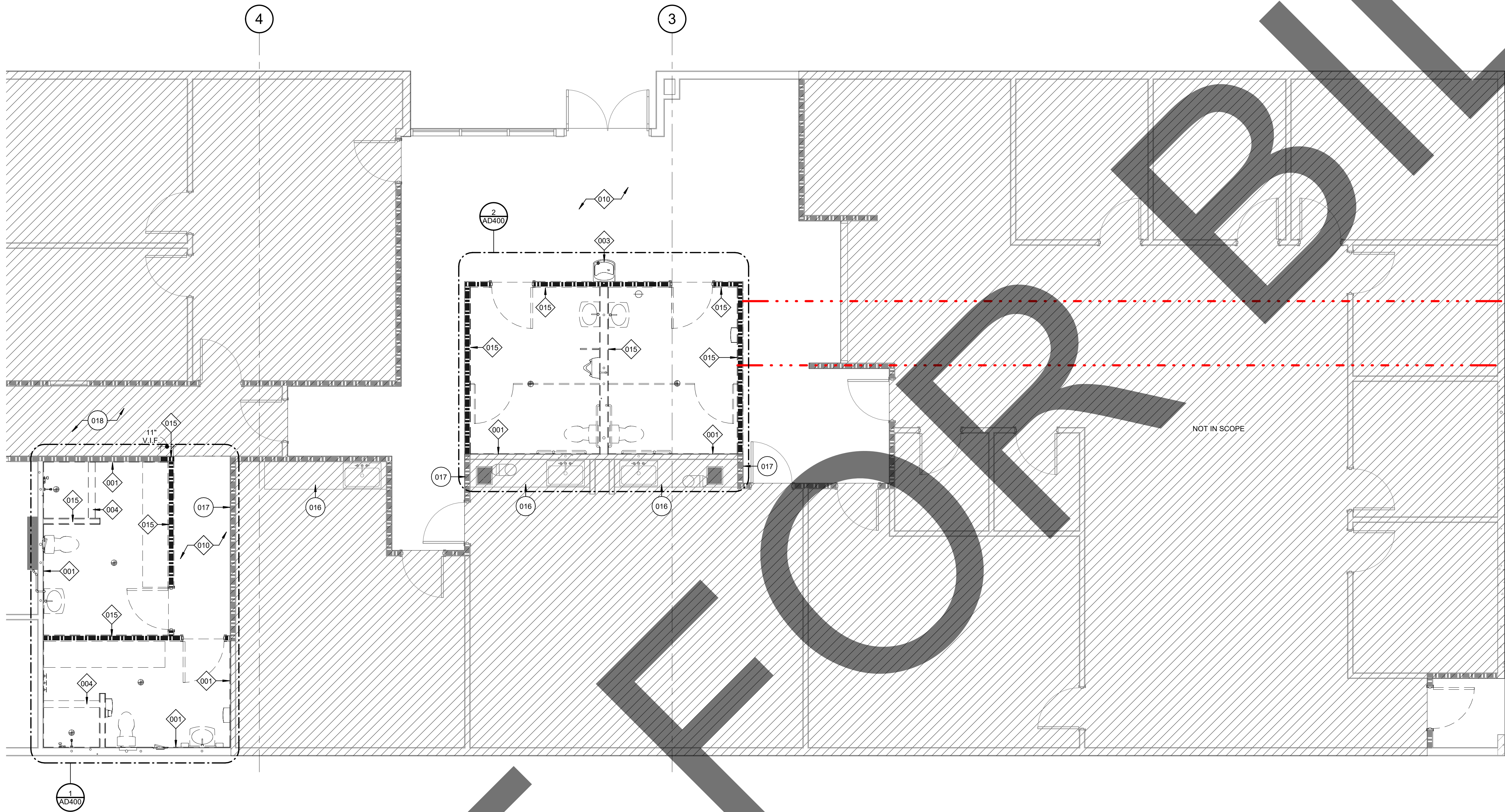
1 SIGNAGE PLAN - RESTROOM AND SHOWERS
1/4" = 1'-0"

| SIGNAGE PLAN LEGEND | | | | | | | |
|---|-----|---|--------------------|-------|-----|-------------|--------------------|
| IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS | IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS |
|  | 1 | TACTILE ROOM IDENTIFICATION SIGN REFER TO DETAIL ____ | | | | | |
|  | 2 | TACTILE RESTROOM SIGN - ALL GENDER REFER TO DETAIL ____ | | | | | |
|  | 3 | DOOR MOUNTED RESTROOM SIGN - ALL GENDER REFER TO DETAIL ____ | | | | | |
|  | 4 | TACTILE BABY CHANGING STATION SIGN REFER TO DETAIL ____ | | | | | |

| SIGNAGE GENERAL NOTES | |
|---|--|
| 1. ALL SIGNAGE SHALL COMPLY WITH ALL CURRENT GOVERNING CODES. 2. REFER TO SIGNAGE DETAILS ON SHEET ____ FOR ALL MOUNTING HEIGHTS AND ADDITIONAL INFORMATION. | |








| KEY PLAN | |
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| NOT USED | |





1 DEMOLITION PLAN - RESTROOM AND SHOWERS
1/4" = 1'-0"



| DEMOLITION PLAN LEGEND | | | | DEMOLITION GENERAL NOTES | | | DEMOLITION KEYNOTES | KEY PLAN |
|---|-----|--|--------------------|--------------------------|-----|-------------|---------------------|----------|
| IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS | IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS | |
|  | | LIMIT OF WORK | | | | | | |
|  | (E) | WALL TO REMAIN | | | | | | |
|  | (E) | WALL TO BE DEMOLISHED AND REMOVED | | | | | | |
|  | (E) | 1-HR RATED WALL TO REMAIN | | | | | | |
|  | (E) | 1-HR RATED WALL TO BE DEMOLISHED AND REMOVED | | | | | | |
|  | (E) | DOOR TO REMAIN | | | | | | |
|  | (E) | DOOR TO BE DEMOLISHED AND REMOVED | | | | | | |

001 EXISTING STUD TO REMAIN AND PROTECTED IN PLACE. EXISTING GYP AND FINISH TILE TO BE DEMOLISHED AND REMOVED.

003 EXISTING PLUMBING FIXTURE TO BE DEMOLISHED AND REMOVED. REFER TO PLUMBING FOR ADDITIONAL INFORMATION.

004 EXISTING CONCRETE CURB AND FINISH TO BE DEMOLISHED AND REMOVED.

010 EXISTING FINISH FLOOR TO BE DEMOLISHED AND REMOVED.

015 EXISTING WALL AND WALL FINISH TO BE DEMOLISHED AND REMOVED.

016 EXISTING CASEWORK AND LAVATORY TO REMAIN AND PROTECTED IN PLACE.

017 EXISTING WALL TO REMAIN AND PROTECTED IN PLACE.

018 EXISTING FINISH FLOOR TO REMAIN AND PROTECTED IN PLACE.





SHERIFF SCIENTIFIC
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ORANGE AND BLUE LAB REMODEL
- ADDITIVE ALTERNATE NO. 1
200 SOUTH LENA RD.
SAN BERNARDINO, CA

PROJECT:

SAN BERNARDINO COUNTY



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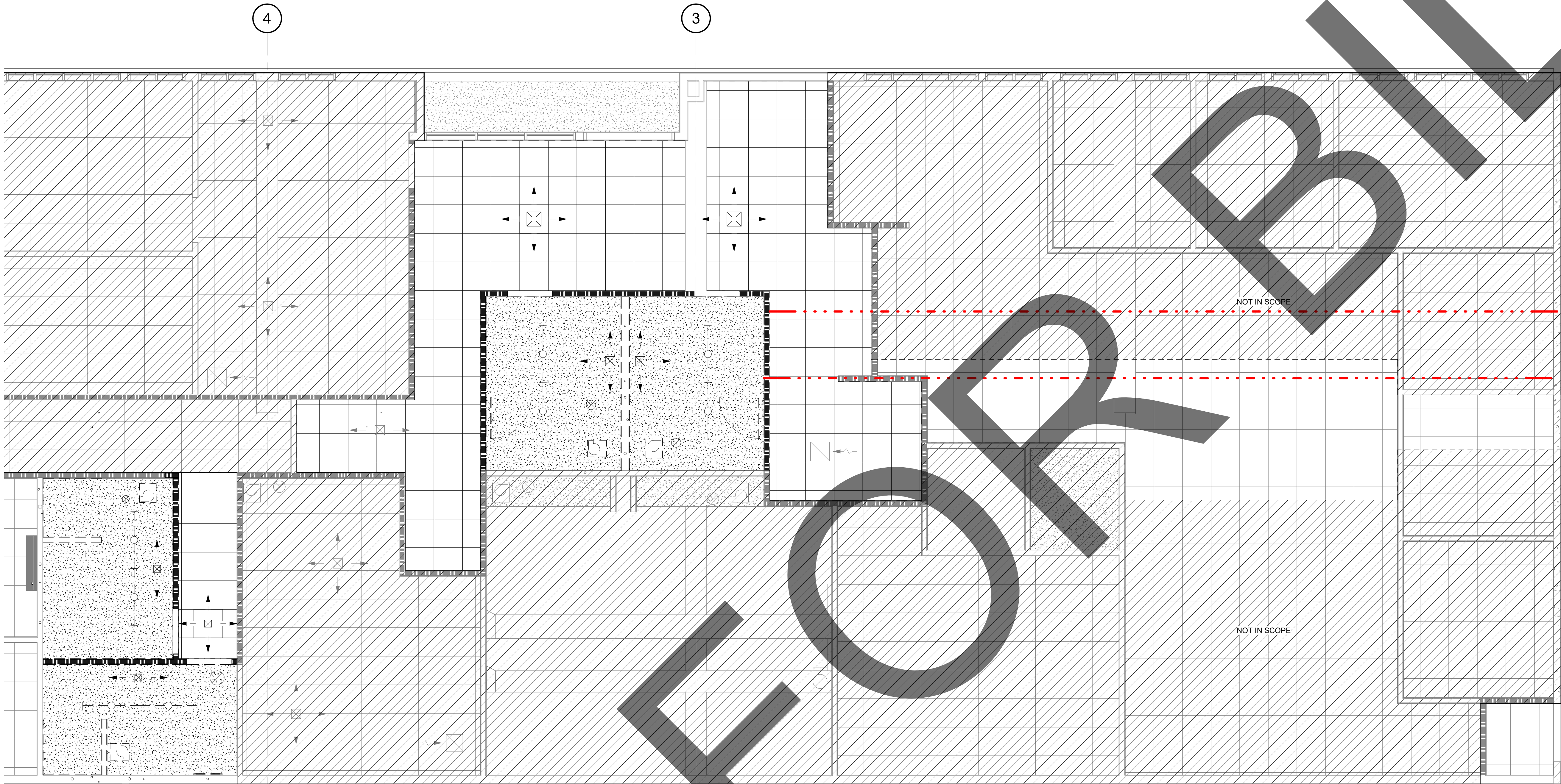
PROJECT NO.: SBC.002

SHEET TITLE:

DEMOLITION RCP
- RESTROOM &
SHOWERS

SHEET NO.:

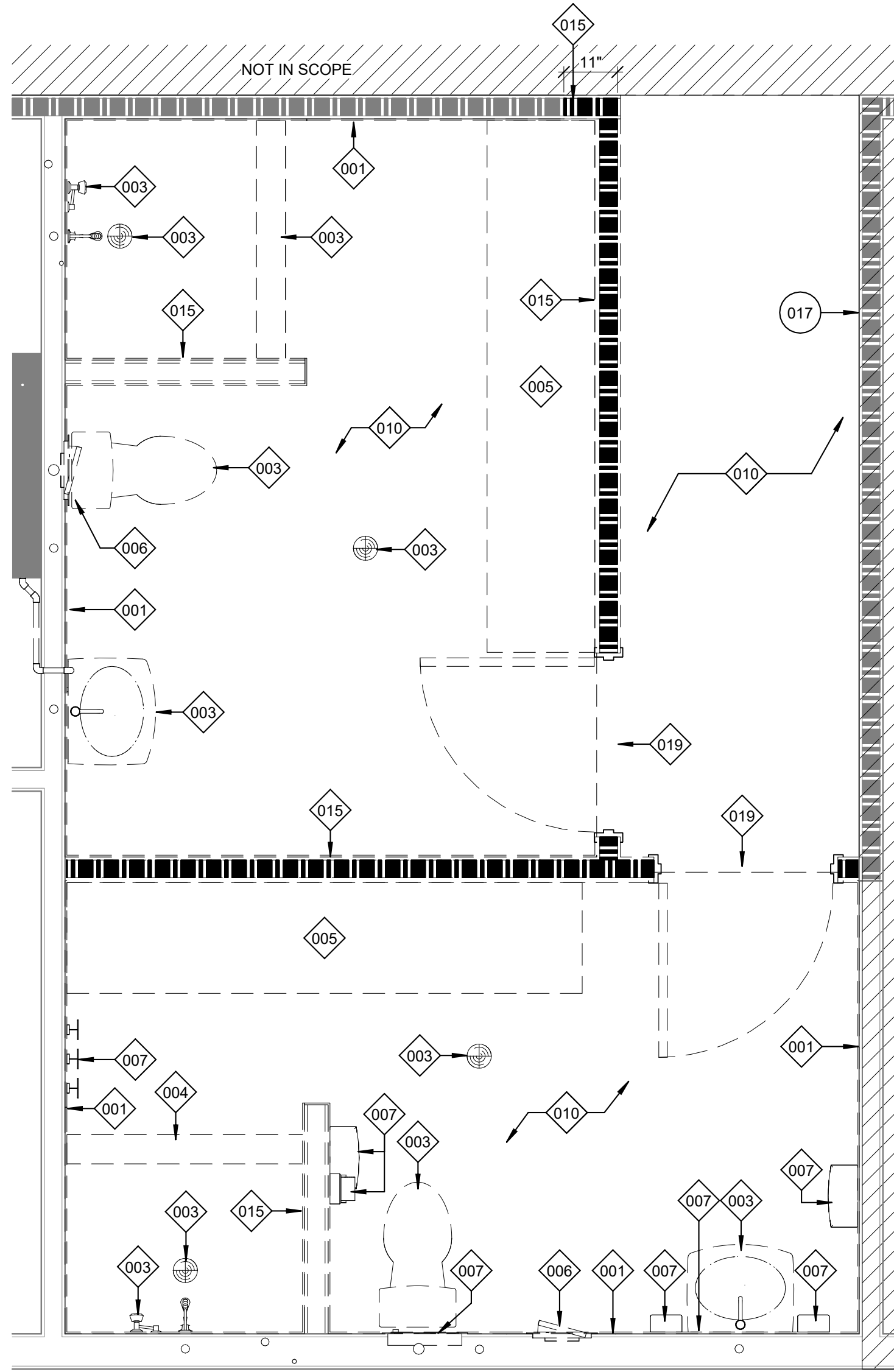
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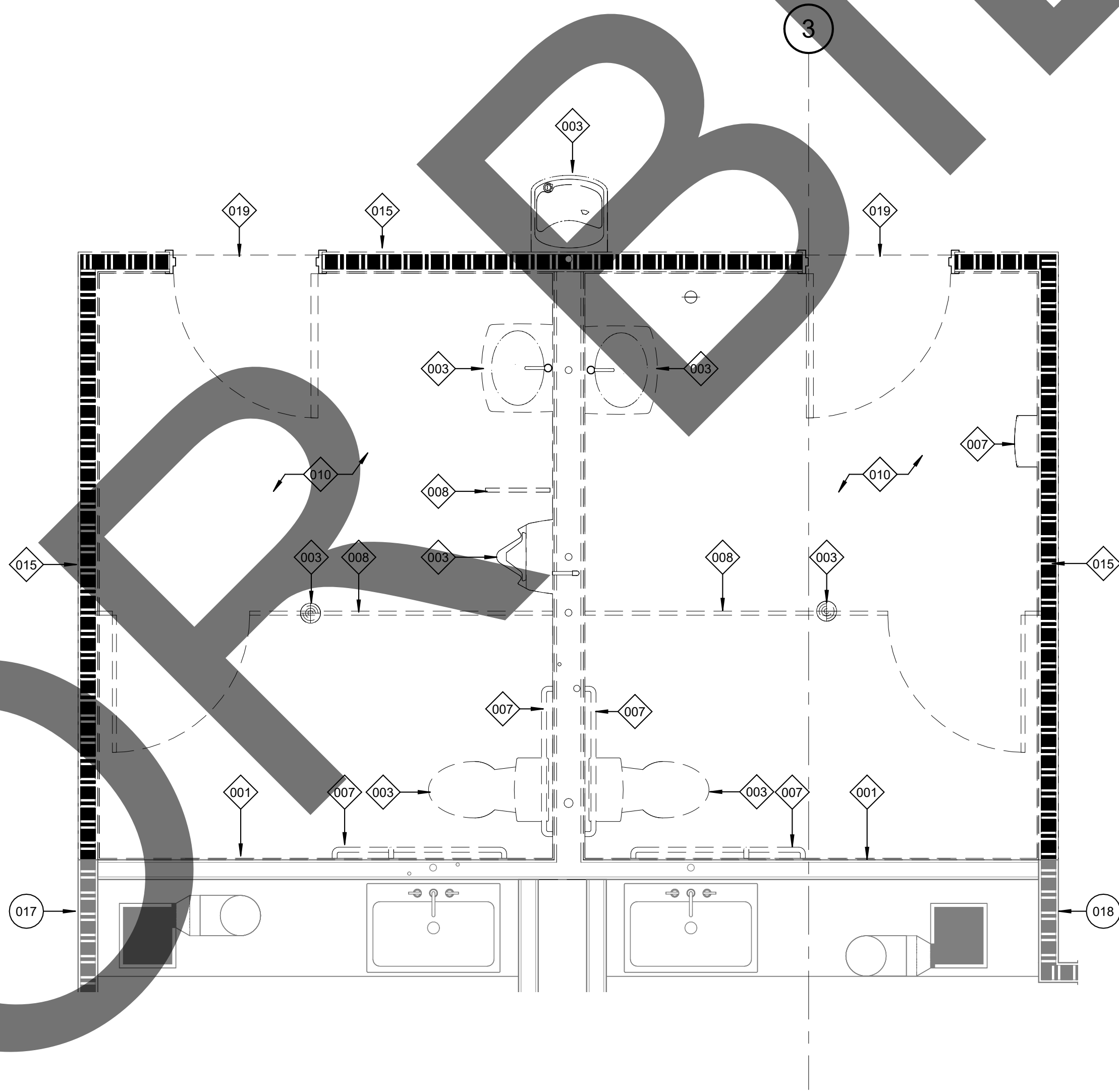
1 DEMOLITION REFLECTED CEILING PLAN - RESTROOM AND SHOWERS
1/4" = 1'-0"

| DEMO CEILING PLAN LEGEND | | | | DEMOLITION GENERAL NOTES | | | | DEMOLITION KEYNOTES | KEY PLAN |
|--------------------------|-----|--|--------------------|--------------------------|-----|--|--------------------|---------------------|----------|
| IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS | IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS | | |
| | | LIMIT OF WORK | | | | (E) 2X4 ACT CEILING TO REMAIN | | | |
| | | (E) WALL TO REMAIN | | | | (E) 2X4 ACT CEILING TO BE DEMOLISHED AND REMOVED | | | |
| | | (E) WALL TO BE DEMOLISHED AND REMOVED | | | | (E) 2X2 ACT CEILING TO BE DEMOLISHED AND REMOVED | | | |
| | | (E) 1-HR RATED WALL TO REMAIN | | | | (E) GYP CEILING TO BE REMAIN | | | |
| | | (E) 1-HR RATED WALL TO BE DEMOLISHED AND REMOVED | | | | (E) GYP CEILING TO BE DEMOLISHED AND REMOVED | | | |





1 ENLARGED DEMOLITION PLAN - RESTROOM AND SHOWERS
1/2" = 1'-0"



2 ENLARGED DEMOLITION PLAN - RESTROOMS
1/2" = 1'-0"



DEMOLITION PLAN LEGEND

| IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS | IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS |
|-------|-----|-------------|--------------------|-------|-----|-------------|--------------------|
| | | | | | | | |

DEMOLITION GENERAL NOTES

DEMOLITION KEYNOTES

- 001 EXISTING STUD TO REMAIN AND PROTECTED IN PLACE. EXISTING GYP AND FINISH TILE TO BE DEMOLISHED AND REMOVED.
003 EXISTING PLUMBING FIXTURE TO BE DEMOLISHED AND REMOVED. REFER TO PLUMBING FOR ADDITIONAL INFORMATION.
004 EXISTING CONCRETE CURB AND FINISH TO BE DEMOLISHED AND REMOVED.
005 EXISTING LOCKERS TO BE DEMOLISHED AND REMOVED.
006 EXISTING ACCESS PANEL TO BE DEMOLISHED AND REMOVED. REFER TO PLUMBING FOR ADDITIONAL INFORMATION.
007 EXISTING TOILET ACCESSORIES TO BE DEMOLISHED AND REMOVED.
008 EXISTING TOILET PARTITION TO BE DEMOLISHED AND REMOVED.
010 EXISTING FINISH FLOOR TO BE DEMOLISHED AND REMOVED.
015 EXISTING WALL AND WALL FINISH TO BE DEMOLISHED AND REMOVED.
017 EXISTING WALL TO REMAIN AND PROTECTED IN PLACE.
018 EXISTING FINISH FLOOR TO REMAIN AND PROTECTED IN PLACE.
019 EXISTING DOOR AND FRAME TO BE DEMOLISHED AND REMOVED.

KEY PLAN

CONSULTANT:

STAMPS:



SHERIFF SCIENTIFIC
INVESTIGATIONS DIVISION (SID)
ORANGE AND BLUE LAB REMODEL
- ADDITIVE ALTERNATE NO. 1
200 SOUTH LENA RD.
SAN BERNARDINO, CA

SAN BERNARDINO COUNTY



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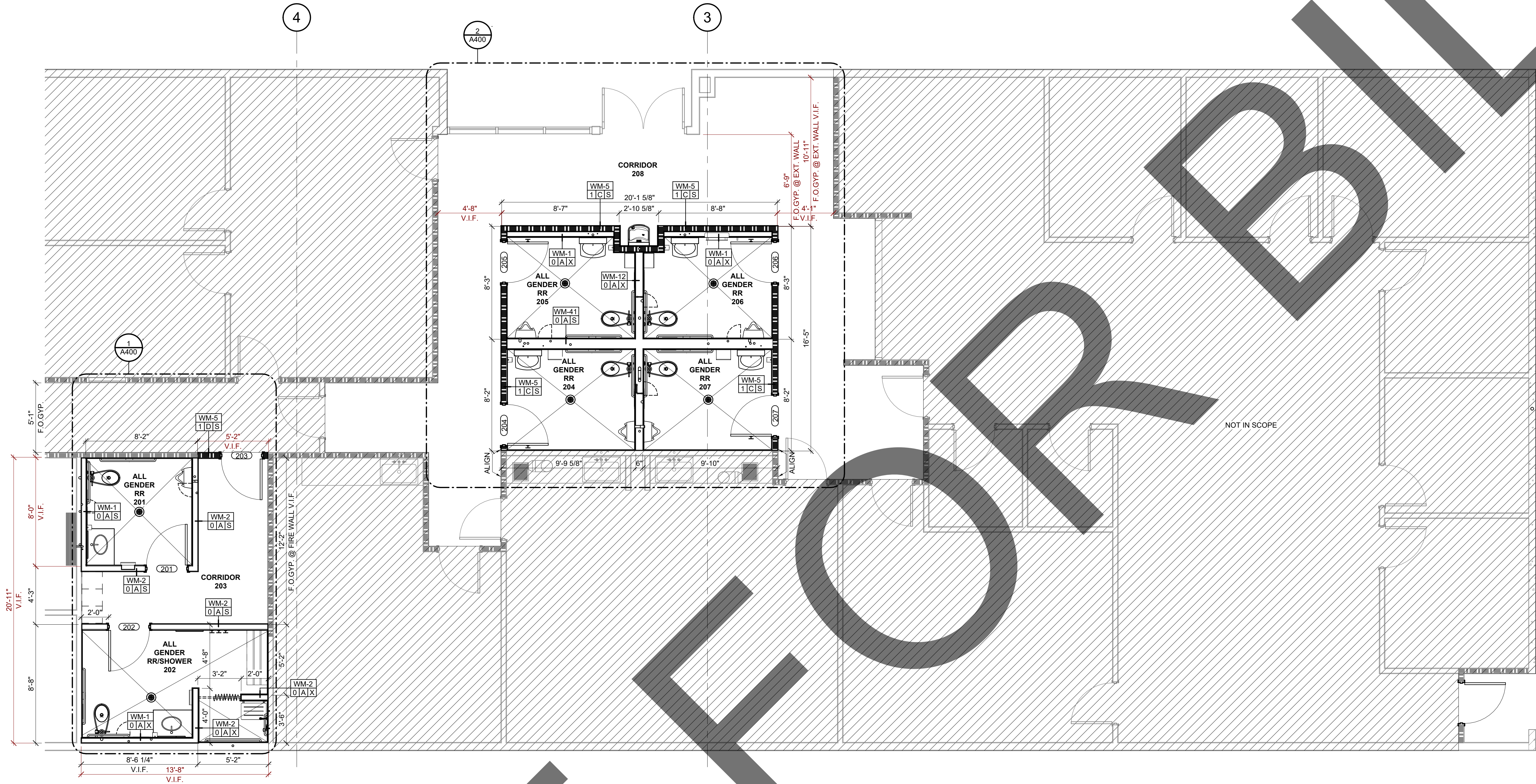
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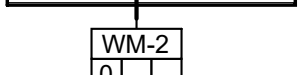




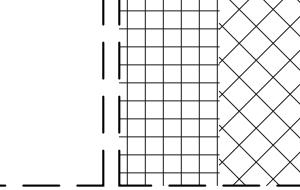
ENLARGED
DEMOLITION PLAN

SHEET NO.:

AD400



1 FIRST FLOOR PLAN - RESTROOM AND SHOWER
1/4" = 1'-0"

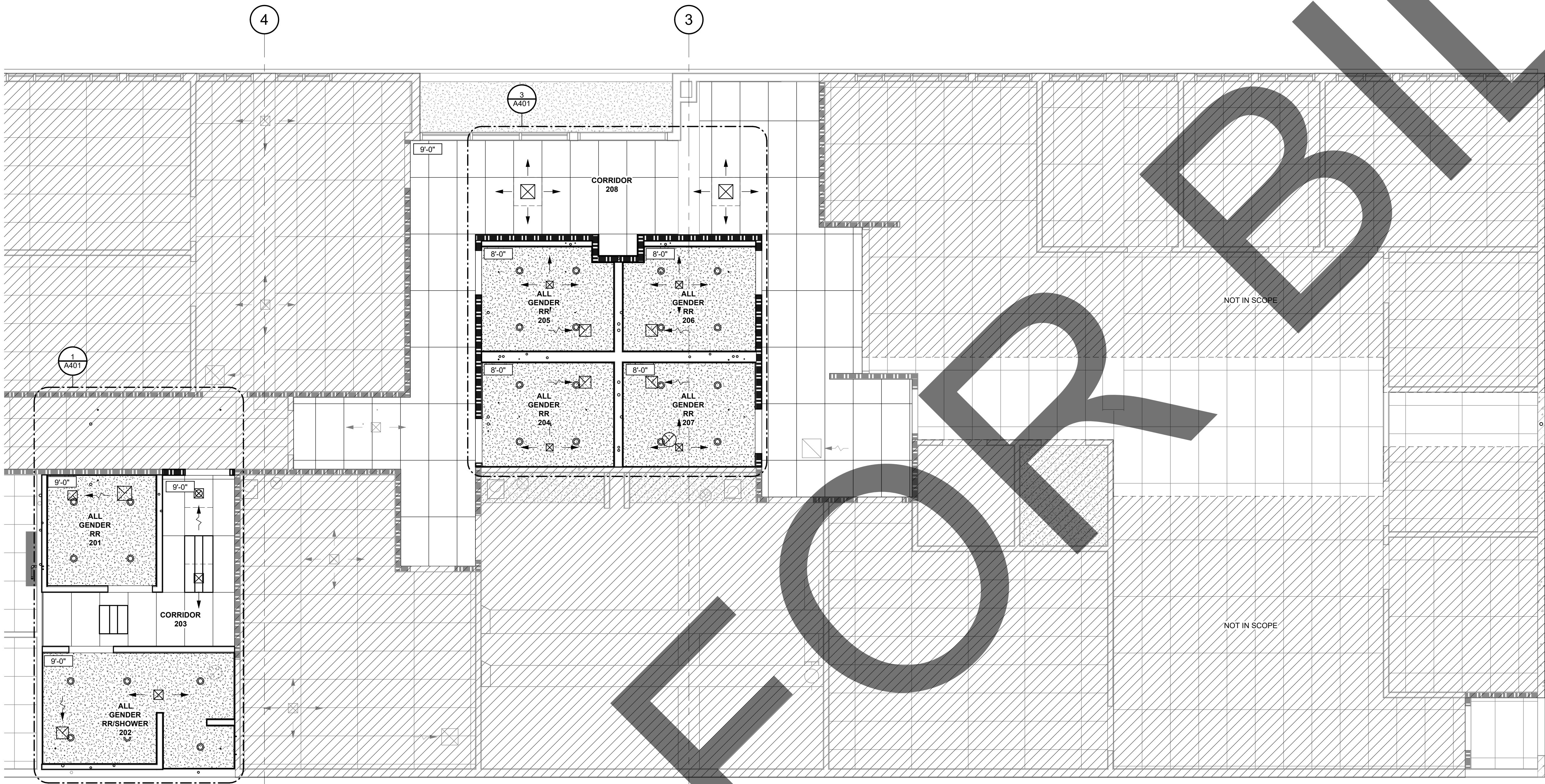
| FLOOR PLAN LEGEND | | | | FLOOR PLAN LEGEND | | | |
|---|-----|-----------------------------|--|-------------------|-----|-------------|--------------------|
| IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS | IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS |
|  | | LIMIT OF WORK | | | | | |
|  | | (E) WALL TO REMAIN | | | | | |
|  | | (N) FRAMED WALL WALL TAG | REFER TO A601 WALL SCHEDULE REFER TO G002 | | | | |
|  | | (E) 1-HR RATED WALL | | | | | |
|  | | (N) 1-HR RATED WALL | REFER TO A601 WALL SCHEDULE | | | | |
|  | | (E) DOOR TO REMAIN | | | | | |
|  | | (N) DOOR DOOR TAG | REFER TO A600 DOOR SCHEDULE | | | | |
|  | | CLEAR FLOOR SPACE | | | | | |

| FLOOR PLAN GENERAL NOTES | | | |
|--------------------------|--|--|--|
| 1. | ALL WALLS ARE DIMENSIONED TO GRID LINES OR FACE OF FRAMING UNLESS NOTED OTHERWISE. | | |
| 2. | ALL DOORS ARE TO BE LOCATED 4" FROM FACE OF ADJACENT WALL STUD UNLESS OTHERWISE NOTED ON PLANS. | | |
| 3. | ALL DOORS, IF DIMENSIONED, ARE DIMENSIONED TO CENTER LINE OF OPENING. FOR ALL DOOR AND WINDOW OPENINGS SIZES, REFER TO SHEET A600 . | | |
| 4. | ALL WALL HEIGHTS ARE DENOTED IN WALL TAG. REFER TO SHEET G003 FOR WALL TAG DESCRIPTION AND SHEET A601 FOR WALL SCHEDULE. | | |
| 5. | REFER TO G SERIES SHEETS FOR ALL REQUIRED CLEARANCES AND CODE REQUIRED SIGNAGE. | | |
| 6. | REFER TO SHEET G002 AND G003 FOR ADDITIONAL GENERAL NOTES AND PROJECT INFORMATION. | | |

| FLOOR PLAN KEYNOTES | | | |
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| KEY PLAN | | | |
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1 REFLECTED CEILING PLAN - RESTROOM AND SHOWERS
1/4" = 1'-0"

| REFLECTED CEILING LEGEND | | | | REFLECTED CEILING GEN. NOTES | | REFLECTED CEILING KEYNOTES | KEY PLAN |
|--------------------------|-----|---------------------|-----------------------------|------------------------------|-------|----------------------------|--|
| IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS | IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS |
| | | LIMIT OF WORK | | | CLG-2 | HARD LID CEILING | REFER TO INTERIOR MATERIAL SCHEDULE FOR FINISH COLOR |
| | | (E) WALL TO REMAIN | | | CLG-1 | ACI & GRID | REFER TO INTERIOR MATERIAL SCHEDULE FOR ADDITIONAL INFORMATION |
| | | (N) FRAMED WALL | REFER TO A601 WALL SCHEDULE | | | (N) 24" x 24" ACCESS PANEL | REFER TO DETAIL |
| | | (E) 1-HR RATED WALL | REFER TO A601 WALL SCHEDULE | | | | |
| | | (N) 1-HR RATED WALL | REFER TO A601 WALL SCHEDULE | | | | |



SHERIFF SCIENTIFIC
INVESTIGATIONS DIVISION (SID)
ORANGE AND BLUE LAB REMODEL
- ADDITIVE ALTERNATE NO. 1

200 SOUTH LENA RD.
SAN BERNARDINO, CA

PROJECT:

SAN BERNARDINO COUNTY



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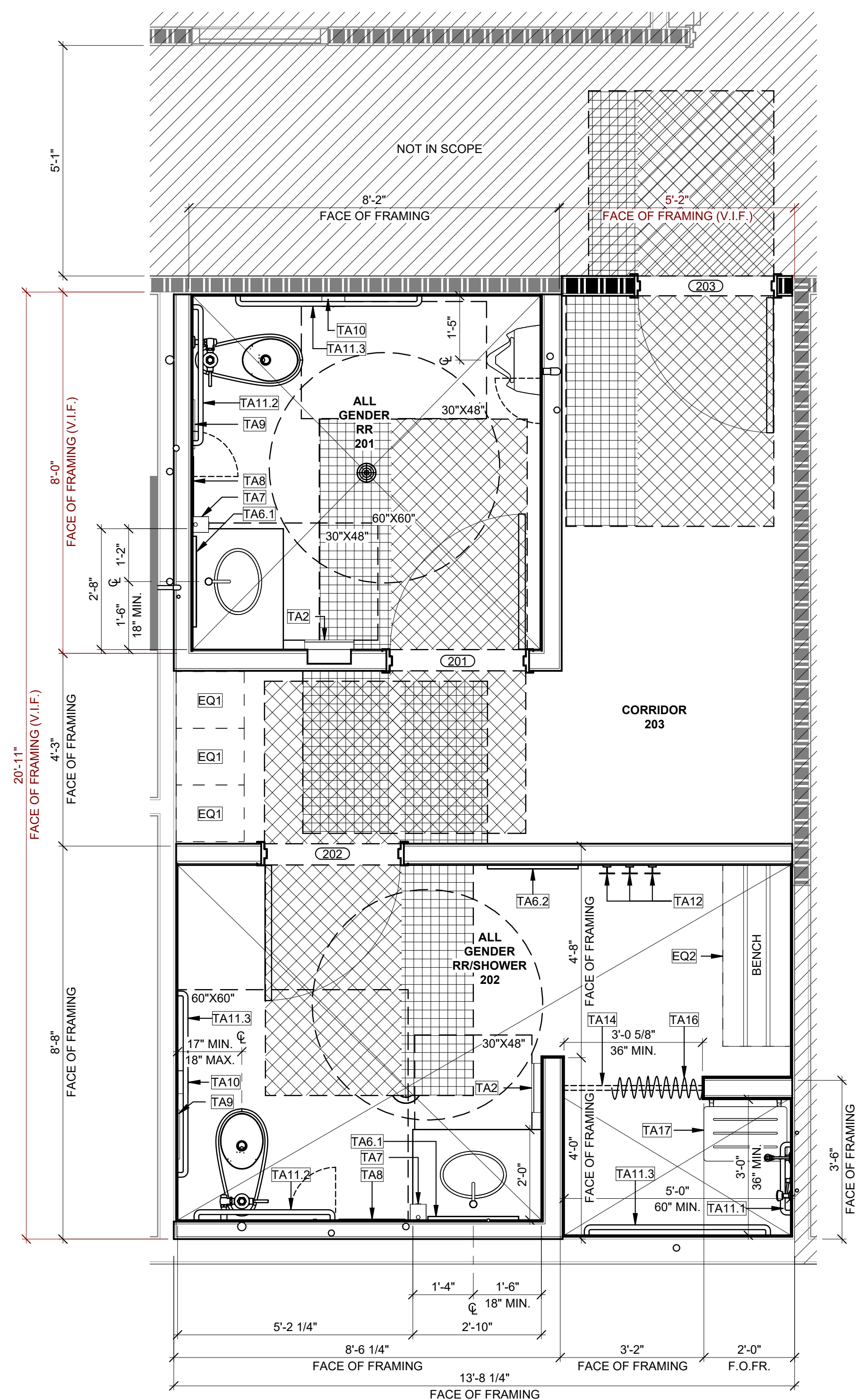
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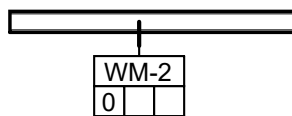


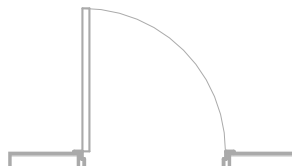
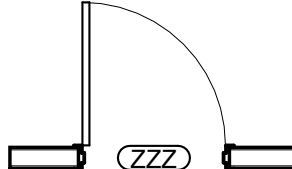
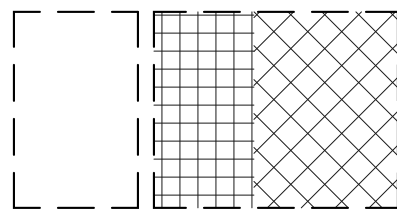
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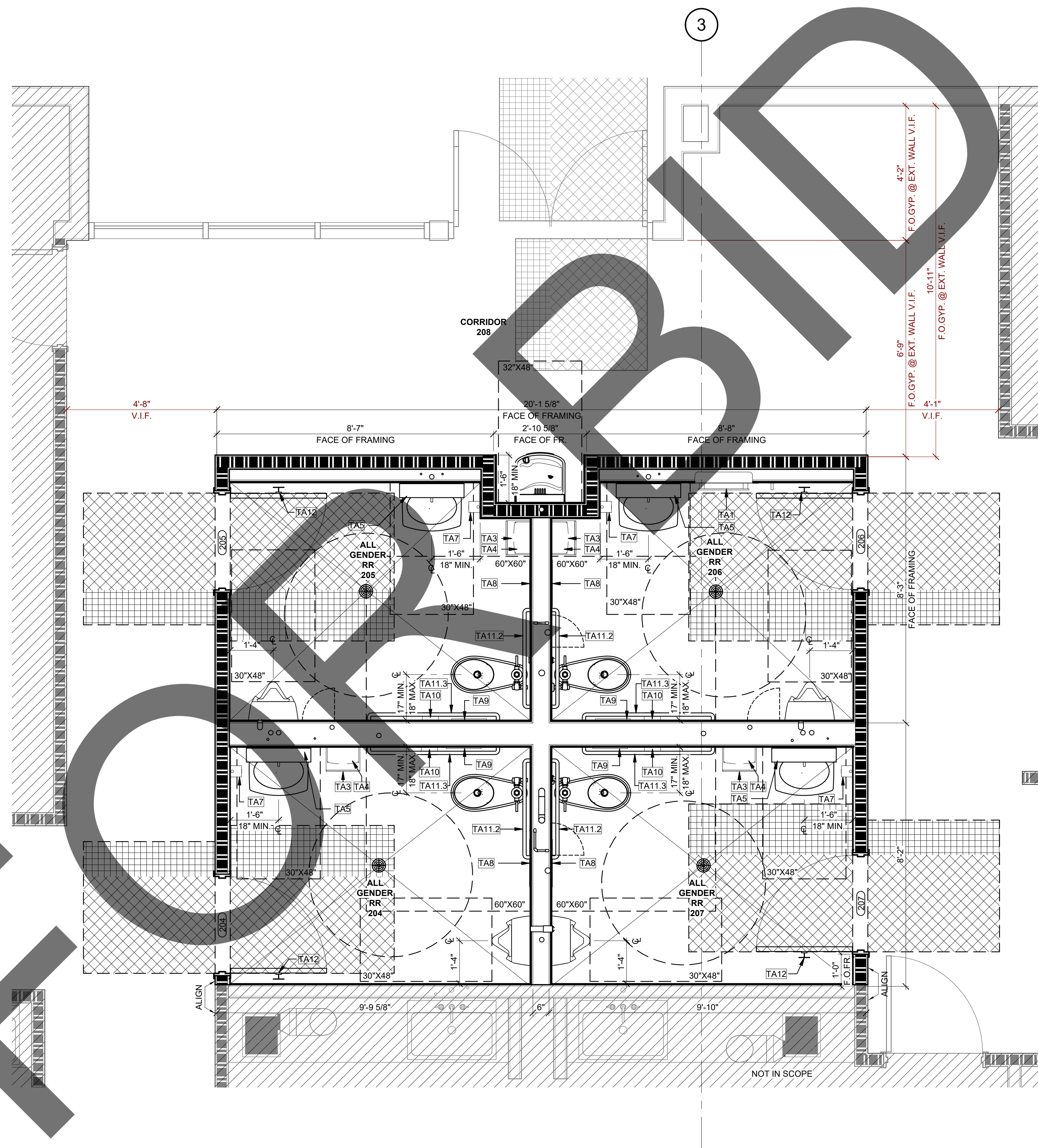
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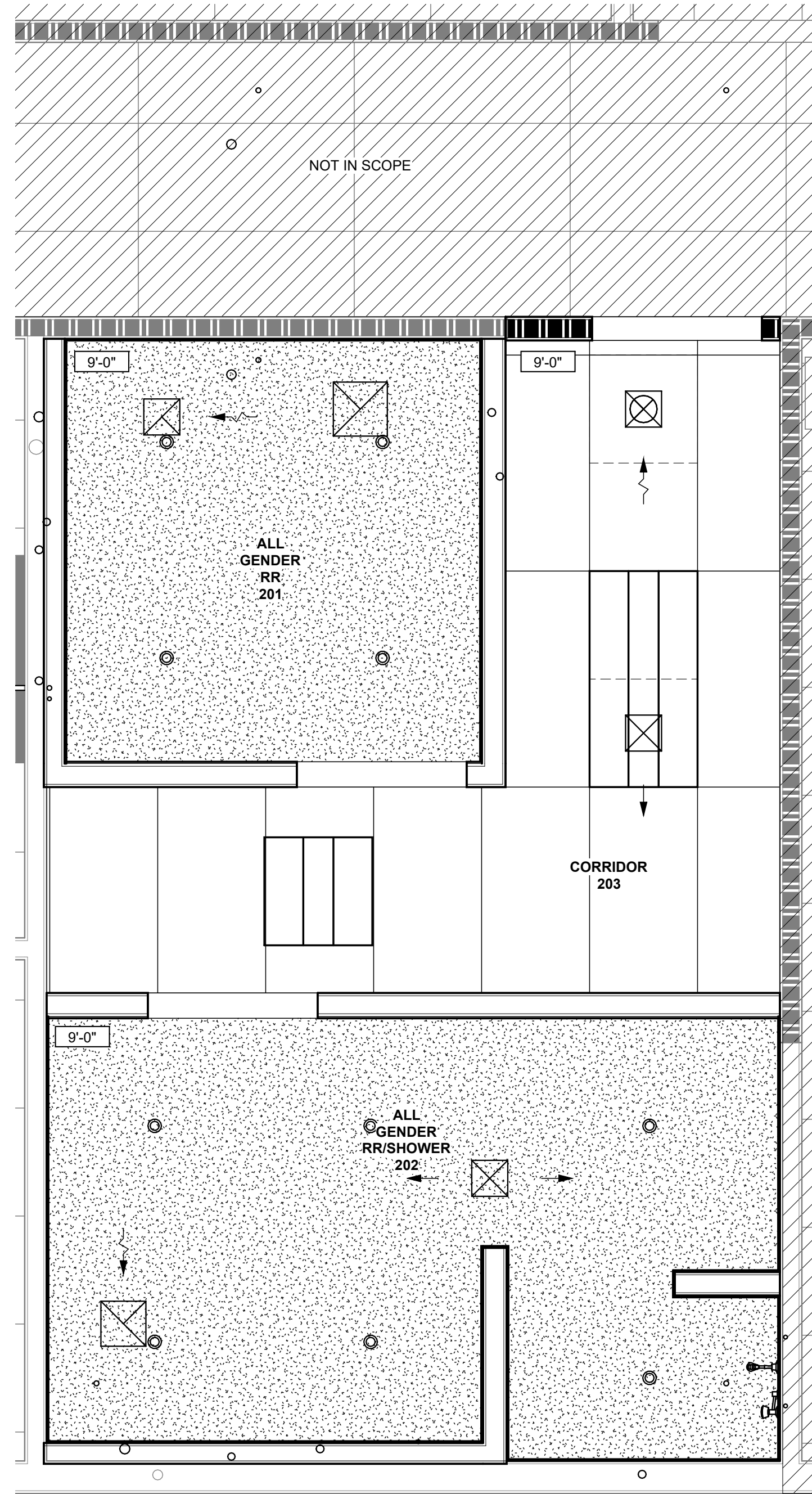
① ENLARGED PLAN - ALL GENDER RR 102 & ALL GENDER SHOWER 109
1/2" = 1'-0"

| FLOOR PLAN LEGEND | | | |
|---|-----|-----------------------------|--|
| IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS |
|  | | LIMIT OF WORK | |
|  | | (E) WALL TO REMAIN | |
|  | | (N) FRAMED WALL WALL TAG | REFER TO A601 WALL SCHEDULE REFER TO G002 |
|  | | (E) 1-HR RATED WALL | |
|  | | (N) 1-HR RATED WALL | REFER TO A601 WALL SCHEDULE |
|  | | (E) DOOR TO REMAIN | |
|  | | (N) DOOR DOOR TAG | REFER TO A600 DOOR SCHEDULE |
|  | | CLEAR FLOOR SPACE | |



2 ENLARGED PLAN - ALL GENDER RR 104 THRU 107
1/2" = 1'-0"

| FLOOR PLAN GENERAL NOTES | | FLOOR PLAN KEYNOTES | KEY PLAN |
|--------------------------|---|---------------------|----------|
| 1. | ALL DIMENSIONS ARE TO FACE OF FINISH INSIDE RESTROOMS UNLESS NOTED OTHERWISE. | | |
| 2. | CONTRACTOR TO PROVIDE ALL WALL MOUNTED HANDRAIL SUPPORT BRACKETS, TYP. | | |
| 3. | REFER TO SHEET A500 & A501 FOR TYPICAL ACCESSIBILITY DETAILS. | | |
| 4. | PROVIDE A 1:20 MAX SLOPE TO ALL FLOOR DRAINS, TYP. | | |
| 5. | REFER TO TOILET ACCESSORIES SCHEDULE ON SHEET A601 FOR ALL "TA" ITEMS. | | |
| 6. | REFER TO EQUIPMENT SCHEDULE ON SHEET A600 FOR ALL "EQ" ITEMS. | | |

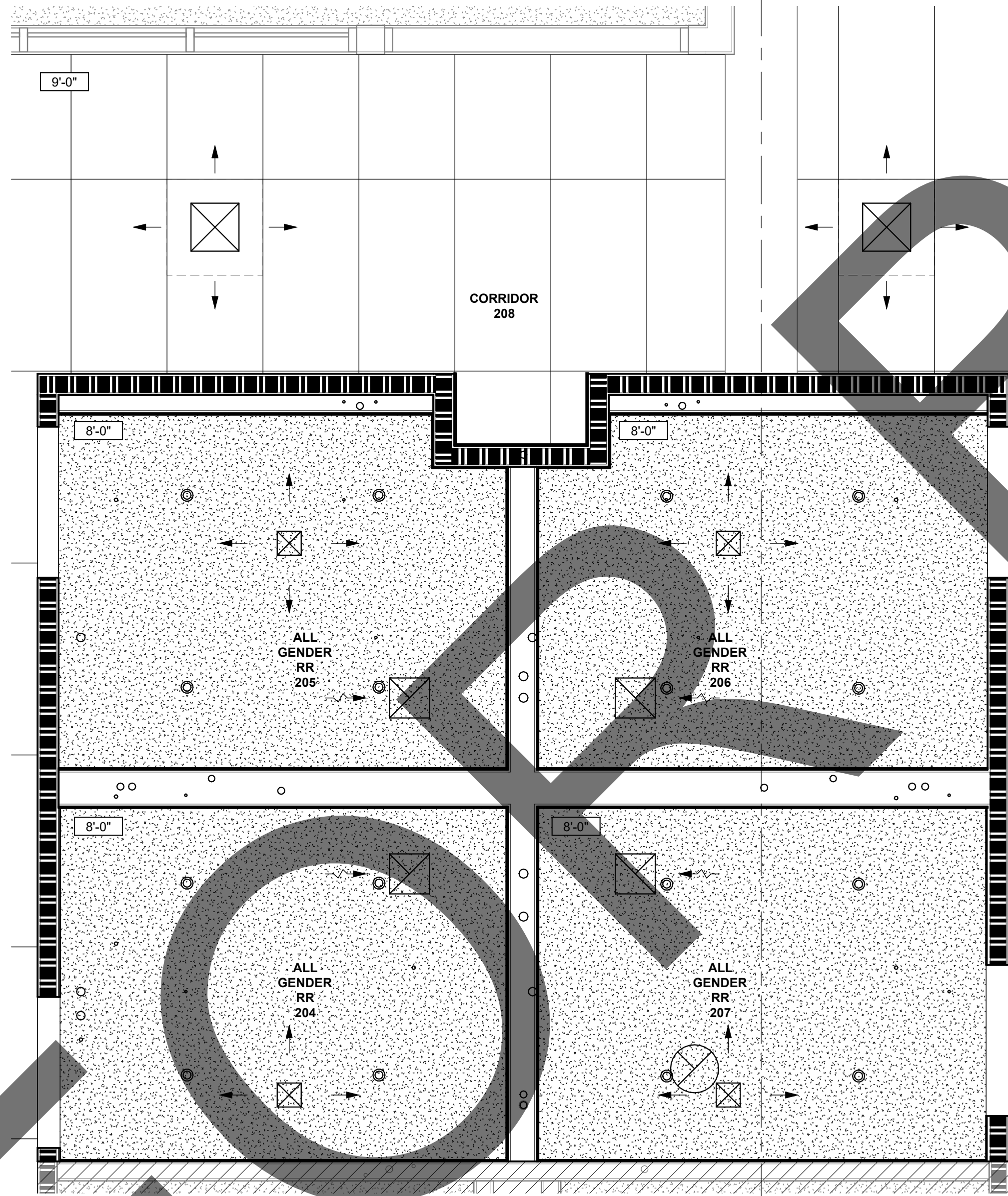


1 ENLARGED REFLECTED CEILING PLAN - ALL GENDER RR 102 & ALL GENDER SHOWER 109
1/2" = 1'-0"

| REFLECTED CEILING LEGEND | | | | | | | |
|--------------------------|-----|---------------------|-----------------------------|-------|---------|----------------------------|--|
| IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS | IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS |
| | | LIMIT OF WORK | | | C-201-C | HARD LID CEILING | REFER TO INTERIOR MATERIAL SCHEDULE FOR FINISH COLOR |
| | | (E) WALL TO REMAIN | | | C-101 | ACT & GRID | REFER TO INTERIOR MATERIAL SCHEDULE FOR ADDITIONAL INFORMATION |
| | | (N) FRAMED WALL | REFER TO A601 WALL SCHEDULE | | | (N) 24" x 24" ACCESS PANEL | REFER TO DETAIL |
| | | (E) 1-HR RATED WALL | | | | | |
| | | (N) 1-HR RATED WALL | REFER TO A601 WALL SCHEDULE | | | | |



3 FIRST FLOOR RCP - OVERALL - Callout 1
1/2" = 1'-0"

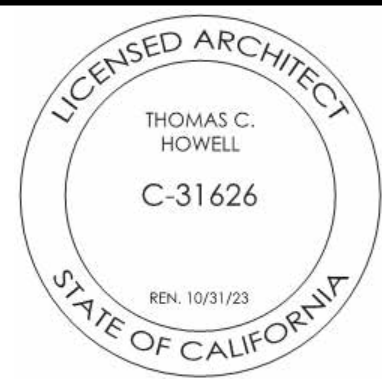


REFLECTED CEILING GEN. NOTES

REFLECTED CEILING KEYNOTES

KEY PLAN

NOT USED



SHERIFF SCIENTIFIC
INVESTIGATIONS DIVISION (SID)
ORANGE AND BLUE LAB REMODEL
- ADDITIVE ALTERNATE NO. 1
200 SOUTH LENA RD.
SAN BERNARDINO, CA

SAN BERNARDINO COUNTY



CLIENT:

| MARK | DATE | DESCRIPTION |
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PROJECT NO.: SBC.002

SHEET TITLE:

ENLARGED
RESTROOM
REFLECTED
CEILING PLANS

SHEET NO.:

A401

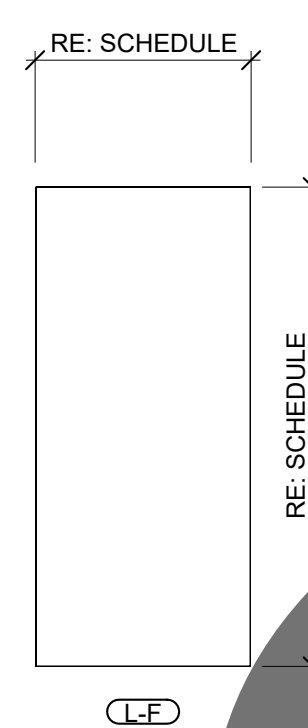
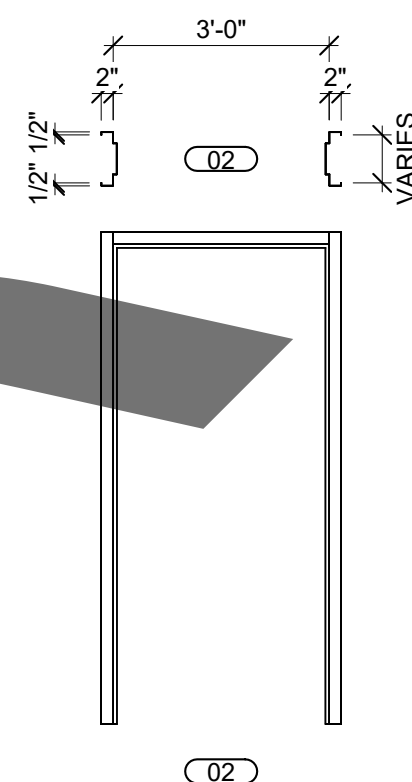


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| DOOR SCHEDULE | | | | | | | | | | | | | | | | | |
|---------------|---------------|----------------------|------------------|-------------|--------------|--------------|--------|-----------|----------|--------|-------------------|----------|---------|--------|----------------|--------------------|----------|
| LOCATION | | | LEAF INFORMATION | | | | | | | | FRAME INFORMATION | | | HW SET | ELECTRIFIED HW | FIRE RATING (MIN.) | COMMENTS |
| MARK | FROM | TO | LEAF-1 TYPE | LEAF-2 TYPE | LEAF-1 WIDTH | LEAF-2 WIDTH | HEIGHT | THICKNESS | MATERIAL | FINISH | TYPE | MATERIAL | FINISH | | | | |
| 201 | CORRIDOR | ALL GENDER RR | L-F | | 3'-0" | | 6'-8" | 1 3/4" | SCW | PLAM | F-02 | HM | PTFN-I2 | | | 0 | |
| 202 | CORRIDOR | ALL GENDER RR/SHOWER | L-F | | 3'-0" | | 6'-8" | 1 3/4" | SCW | PLAM | F-02 | HM | PTFN-I2 | | | 0 | |
| 203 | Room | CORRIDOR | L-F | | 3'-0" | | 6'-8" | 1 3/4" | SCW | PLAM | F-02 | HM | PTFN-I2 | | | 20 | |
| 204 | ALL GENDER RR | CORRIDOR | L-F | | 3'-0" | | 6'-8" | 1 3/4" | SCW | PLAM | F-02 | HM | PTFN-I2 | | | 20 | |
| 205 | ALL GENDER RR | CORRIDOR | L-F | | 3'-0" | | 6'-8" | 1 3/4" | SCW | PLAM | F-02 | HM | PTFN-I2 | | | 20 | |
| 206 | CORRIDOR | ALL GENDER RR | L-F | | 3'-0" | | 6'-8" | 1 3/4" | SCW | PLAM | F-02 | HM | PTFN-I2 | | | 20 | |
| 207 | ALL GENDER RR | CORRIDOR | L-F | | 3'-0" | | 6'-8" | 1 3/4" | SCW | PLAM | F-02 | HM | PTFN-I2 | | | 20 | |

| DOOR ELEVATIONS | | DOOR FRAME ELEVATIONS | | FRAME SCHEDULE | | | | | | | | | | | | | |
|---|-------------|---|--------------|--|-------|------------|-------------|------------|--------------|-------------|-------|------|-------|-------|--------|-------|---|
|  | |  | | <table><tr><th>FRAME TYPE</th><th>FRAME WIDTH</th><th>DOOR WIDTH</th><th>FRAME HEIGHT</th><th>DOOR HEIGHT</th><th>COUNT</th></tr><tr><td>F-02</td><td>3'-4"</td><td>3'-0"</td><td>6'-10"</td><td>6'-8"</td><td>7</td></tr></table> | | FRAME TYPE | FRAME WIDTH | DOOR WIDTH | FRAME HEIGHT | DOOR HEIGHT | COUNT | F-02 | 3'-4" | 3'-0" | 6'-10" | 6'-8" | 7 |
| FRAME TYPE | FRAME WIDTH | DOOR WIDTH | FRAME HEIGHT | DOOR HEIGHT | COUNT | | | | | | | | | | | | |
| F-02 | 3'-4" | 3'-0" | 6'-10" | 6'-8" | 7 | | | | | | | | | | | | |

| DOOR GENERAL NOTES | | ABBREVIATIONS | |
|---|--|--|--|
| <p>1. REFER TO DIMENSIONAL FLOOR PLANS FOR DOOR OPENING LOCATIONS. ALL DOORS ARE TO BE LOCATED 4" FROM FACE OF ADJACENT WALL STUD UNLESS DIMENSIONED OTHERWISE ON PLANS.</p> <p>2. ALL EXITS TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT PER 2022 CBC SECTION 1010.1.9.</p> <p>3. DOOR REQUIREMENTS: ALL HAND ACTIVATED LATCHING OR LOCKING DOORS SHALL HAVE A LEVER TYPE HARDWARE CENTERED EQUAL TO OR GREATER THAN 34" BUT EQUAL OR LESS THAN 44" AFF. MAXIMUM EFFORT REQUIRED TO OPEN DOORS SHALL BE EQUAL TO OR LESS THAN 5# AT ALL DOORS. WHERE FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MINIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY (RIVERSIDE COUNTY FIRE DEPARTMENT) NOT EXCEEDED 15# COMPENSATING DEVICES OF AUTOMATIC DOORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS.</p> <p>4. DOORS SHALL BE OPERABLE WITH A SINGLE EFFORT.</p> <p>5. LOWER 10" OF ALL DOORS TO BE SMOOTH AND UNINTERRUPTED TO ALLOW THE DOOR TO BE OPENED BY A WHEEL CHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION PER CBC SECTION 11B-404.2.10.</p> <p>6. DOOR CLOSER REQUIREMENTS, REFER TO DETAIL 3/A500.</p> <p>7. DOOR CLEAR FLOOR SPACE REQUIREMENTS, REFER TO DETAIL 1/A500.</p> <p>8. REFER TO SHEET A501 FOR SIGNAGE REQUIREMENTS.</p> <p>9. REFER TO INTERIOR MATERIAL SCHEDULE AND MATERIAL SCHEDULE-OPENINGS FOR ADDITIONAL FINISH INFORMATION.</p> <p>10. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE FINAL DOOR AND WINDOW FRAME THROAT SIZE PRIOR TO ORDERING.</p> | | <p>GLAZING</p> <p>GE-1 EXTERIOR GLAZING - 1" INSULATED - TINTED - TEMPERED</p> <p>GI-1 INTERIOR GLAZING - 1/4" - CLEAR - TEMPERED</p> <p>GI-2 INTERIOR GLAZING - THICKNESS AS REQUIRED FOR RATING - CLEAR - TEMPERED - FIRE RATED</p> <p>GI-3 INTERIOR GLAZING - 1/4" - CLEAR - TEMPERED - SECURITY; WIRED</p> <p>GI-4 INTERIOR GLAZING - 5/16" - CLEAR - TEMPERED - SECURITY; LAMINATED</p> <p>MATERIAL</p> <p>HM: HOLLOW METAL</p> <p>AL: ALUMINUM</p> <p>SCW: SOLID CORE WOOD</p> <p>HCW: HOLLOW CORE WOOD</p> <p>SS: STAINLESS STEEL</p> <p>GALV: GALVANIZED</p> <p>FINISH</p> <p>CLAN: CLEAR ANODIZED</p> <p>BLAN: BLACK ANODIZED</p> <p>DBAN: DARK BRONZE ANODIZED</p> <p>PTFN: PAINT FINISH</p> <p>STFN: STAIN FINISH</p> <p>PLAM: PLASTIC LAMINATE FINISH</p> | |




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PALM DESERT, CA 92211 | RIVERSIDE, CA 92501
PH: 760.328.5280 | PH: 951.482.1451

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CONSULTANT:


STAMPS:



SHERIFF SCIENTIFIC
INVESTIGATIONS DIVISION (SID)
ORANGE AND BLUE LAB REMODEL
- ADDITIVE ALTERNATE NO. 1

200 SOUTH LENA RD.
SAN BERNARDINO, CA

SAN BERNARDINO COUNTY



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PROJECT NO.: SBC.002

SHEET TITLE:
DOOR SCHEDULE

SHEET NO.:
A600

WALL SCHEDULE

| TYPE MARK | SUBSTRATE SIDE 1 | FRAMING MATERIAL | SUBSTRATE SIDE 2 | FIRE RATING (HR) | INSULATION TYPE | COMMENTS |
|-----------|-----------------------------|------------------|-----------------------------|------------------|-----------------|----------|
| WM-1 | 5/8" GYPSUM BOARD | 6" METAL STUD | --- | 0 | S | |
| WM-1 | 5/8" GYPSUM BOARD | 6" METAL STUD | --- | 0 | X | |
| WM-2 | 5/8" GYPSUM BOARD | 4" METAL STUD | 5/8" GYPSUM BOARD | 0 | S | |
| WM-2 | 5/8" GYPSUM BOARD | 4" METAL STUD | 5/8" GYPSUM BOARD | 0 | X | |
| WM-5 | 5/8" FIRE-SHEILD GYP. BOARD | 4" METAL STUD | 5/8" FIRE-SHEILD GYP. BOARD | 1 | S | |
| WM-12 | 5/8" GYPSUM BOARD | 4" METAL STUD | --- | 0 | X | |
| WM-41 | 5/8" GYPSUM BOARD | 6" METAL STUD | 5/8" GYPSUM BOARD | 0 | S | |

OPENINGS MATERIAL SCHEDULE

| KEY | PRODUCT | MANUFACTURER | STYLE/SERIES/FINISH | COLOR |
|---------|--|------------------|---|-----------------------|
| PLAM | PLASTIC LAMINATE FINISH-INTERIOR DOOR | VT INDUSTRIES | WILSONART HOPL | MORELIA MANGO 7885-38 |
| PTFN-I2 | PAINT FINISH-INTERIOR HOLLOW METAL FRAME | SHERWIN WILLIAMS | SEMI-GLOSS, PRIME SUBSTRATE PER MFG. RECOMMENDATION | SW6528 TRICORN BLACK |

TOILET ACCESSORIES SCHEDULE

| TYPE MARK | DESCRIPTION | MANUFACTURER | MODEL | SIZE | BLOCKING REQUIRED | COUNT |
|-----------|--|----------------------------|-------------|--|-------------------|-------|
| TA1 | RECESSED-MOUNTED | BOBRICK | B-2974 | 12-9/8"W X 15-1/2"H X 9-1/16"D | Yes | 4 |
| TA2 | PAPER TOWEL DISPENSER & WASTE RECEPTACLE - SEMI-RECESSED | BOBRICK | B-38032 | 13"W X 55-1/8"H X 3-5/8"D, 2-9/16" PROTRUSION | Yes | 3 |
| TA3 | SURFACE-MOUNTED AUTOMATIC, UNIVERSAL ROLL PAPER TOWEL DISPENSER | BOBRICK | B-9279 | 11-11/16"W X 23-7/8" X 6-3/16"D | Yes | 4 |
| TA4 | SURFACE-MOUNTED WASTE RECEPTACLE | BOBRICK | B-166 2436 | 24"W X 37-1/4"H X 1/2"D | Yes | 4 |
| TA5 | MIRROR - STAINLESS STEEL CHANNEL FRAME WITH SHELF | BOBRICK | B-165 2436 | 24"W X 36"H X 1/2"D | Yes | 2 |
| TA6.1 | MIRROR - STAINLESS STEEL CHANNEL FRAME | BOBRICK | B-165 2460 | 24"W X 60"H X 1/2"D | Yes | 1 |
| TA6.2 | MIRROR - STAINLESS STEEL CHANNEL FRAME | BOBRICK | B-2012 | 4-3/16"W X 10-17/32"H X 4-7/32"D | Yes | 6 |
| TA7 | AUTOMATIC WALL-MOUNTED SOAP DISPENSER | BOBRICK | B-3013 | 17-9/16"W X 13"H X 2-3/8"D, 9/16" PROTRUSION | Yes | 7 |
| TA8 | TOILET SEAT COVER DISPENSER - RECESSED, STAINLESS STEEL SATIN FINISH | BOBRICK | B-35303 | 13"W X 18-15/16"H X 3-5/8"D, 9/16" PROTRUSION | Yes | 6 |
| TA9 | RECESSED SANITARY NAPKIN DISPOSAL | BOBRICK | B-3888 | 6-1/16"W X 12-1/2"H X 3"D, 2-15/16" PROTRUSION | Yes | 6 |
| TA10 | TOILET TISSUE DISPENSER - RECESSED | BOBRICK | B-6806 X 18 | 18" GRAB BAR | Yes | 1 |
| TA11.1 | 1-1/2" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE | BOBRICK | B-6806 X 36 | 36" GRAB BAR | Yes | 8 |
| TA11.2 | 1-1/2" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE | BOBRICK | B-6806 X 48 | 42" GRAB BAR | Yes | 7 |
| TA11.3 | 1-1/2" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE | BOBRICK | B-4207 | 4"W X 2-5/16"D | Yes | 7 |
| TA12 | SURFACE-MOUNTED DOUBLE ROBE HOOK | BOBRICK | B-4207 X 60 | 60"W X 9"D | Yes | 1 |
| TA14 | CURVED SHOWER CURTAIN ROD | BOBRICK | 204-2 | 42"W X 72"H | No | 1 |
| TA16 | VINYL SHOWER CURTAINS | BOBRICK | 8203 | 18"W X 14-5/8"D (SEAT) | Yes | 1 |
| TA17 | SHOWER SEAT - FOLDING, SOLID PHENOLIC | AMERICAN SPECIALTIES, INC. | | | | |

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ARCHITECTURE

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ORANGE AND BLUE LAB REMODEL
- ADDITIVE ALTERNATE NO. 1

200 SOUTH LENA RD.
SAN BERNARDINO, CA

PROJECT:

SAN BERNARDINO COUNTY



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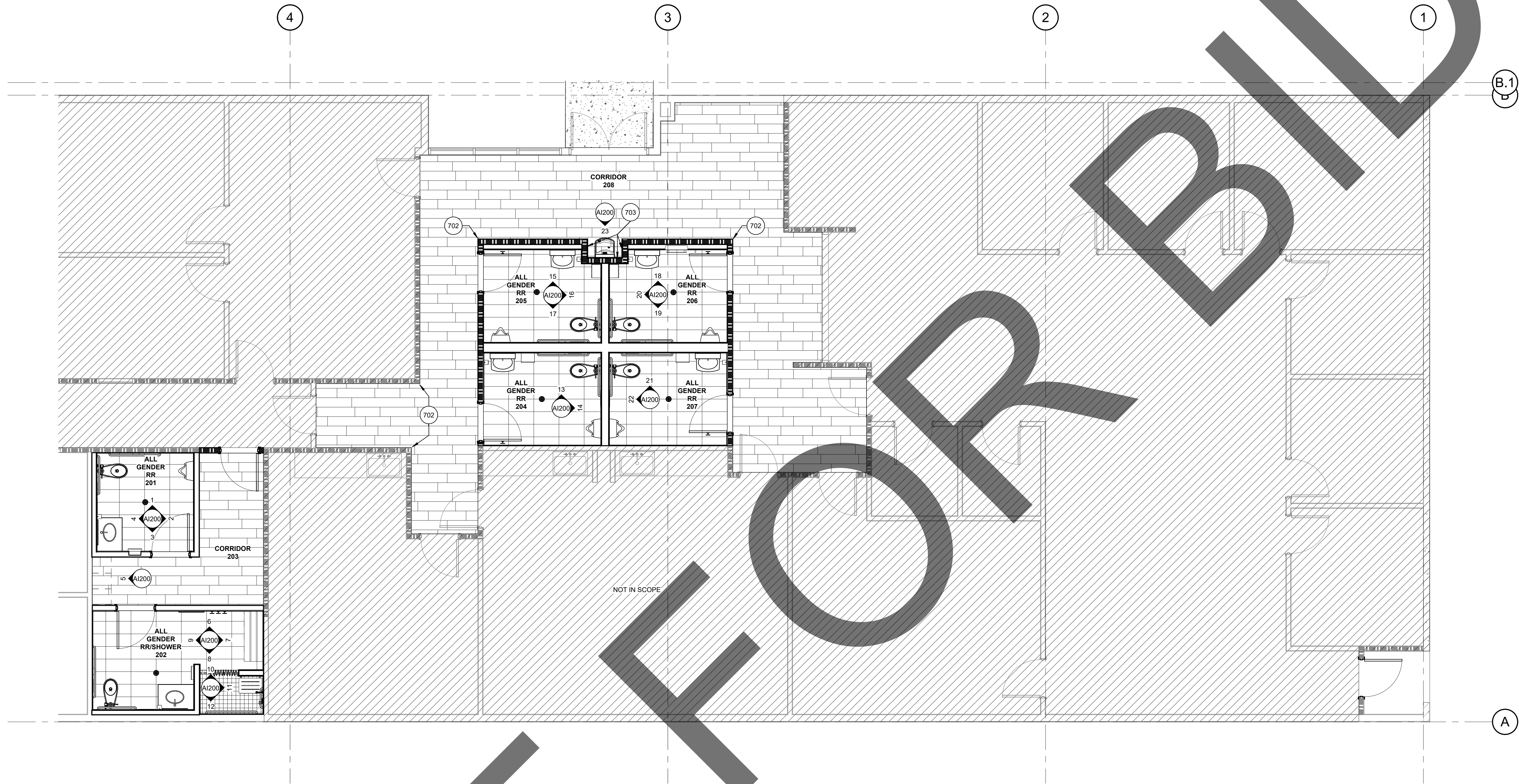
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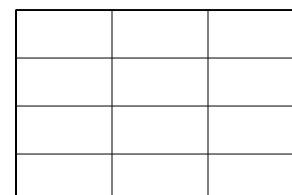
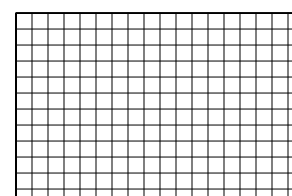
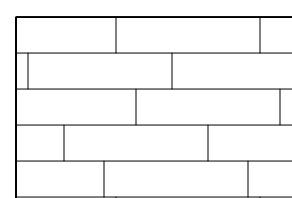
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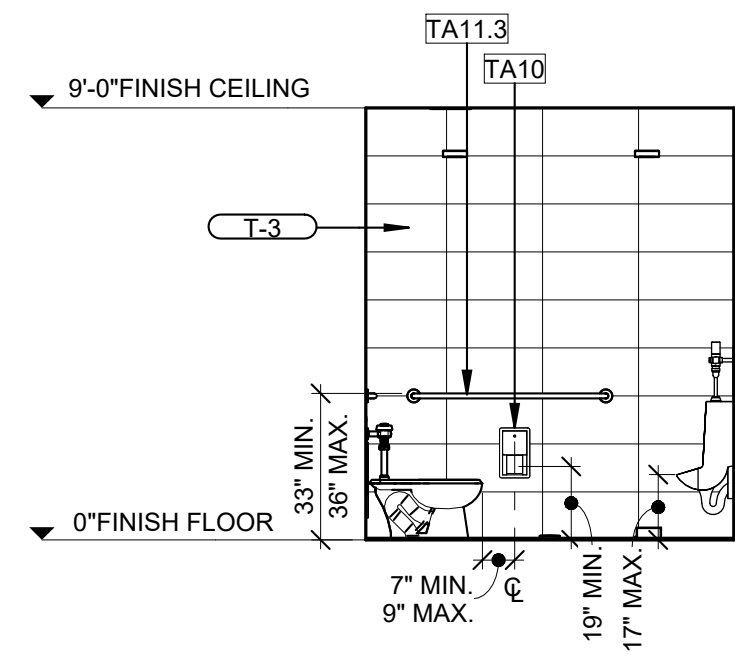
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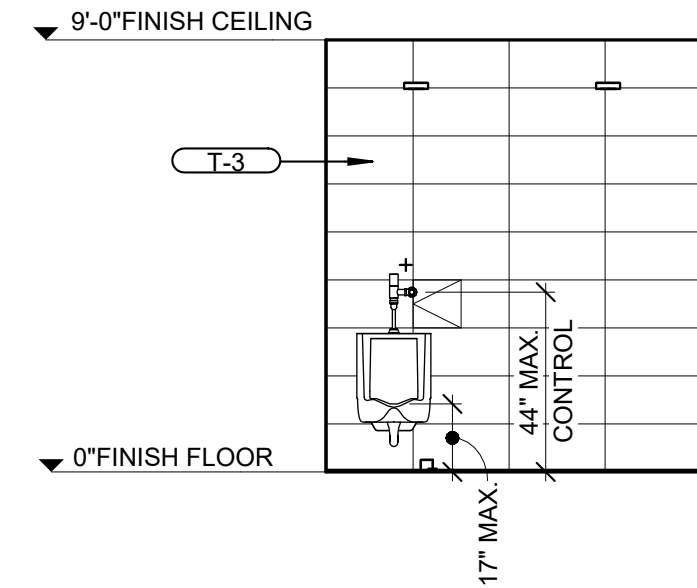


1 FIRST FLOOR - LOBBY RESTROOM AND SHOWERS Copy 1
1/4" = 1'-0"

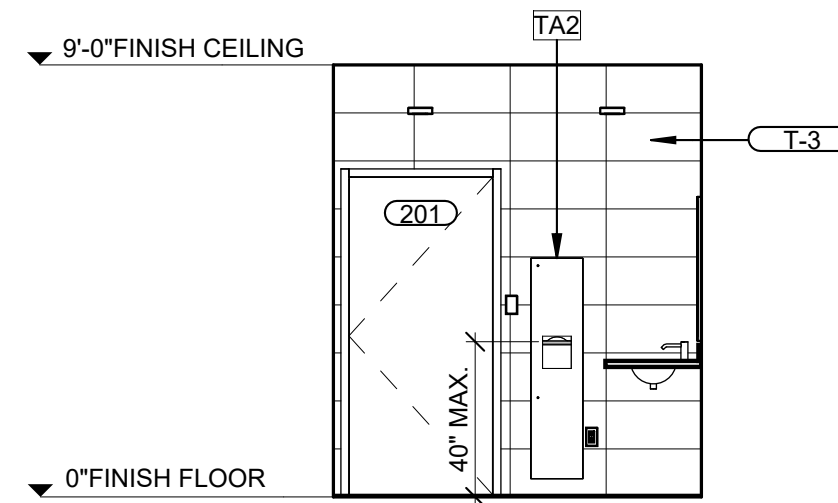
| INTERIOR MATERIAL LEGEND | | | | FINISH PLAN GENERAL NOTES | | | | FINISH PLAN KEYNOTES | | KEY PLAN | | |
|---|-----|----------------------------|--------------------|--|-----|-------------|--------------------|----------------------|--|----------|--|--|
| IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS | IMAGE | KEY | DESCRIPTION | REMARKS / COMMENTS | 702 | STAINLESS STEEL CORNER GUARD. | | | |
|  | T-1 | TILE - FLOOR | | | | | | 703 | TILE 2 (T-2) FINISH, FULL-HEIGHT, AT BACK AND TWO SIDE WALLS OF DRINKING FOUNTAIN ALCOVE. PROVIDE METAL EDGE TRIM (T-MED) AT ALL EXPOSED TILE EDGES. | | | |
|  | T-2 | TILE - FLOOR (SHOWER ONLY) | | | | | | | | | | |
|  | LVP | VINYL PLANK | | | | | | | | | | |
| | | | | <div>1. INTERIOR WALL & CEILING FINISHES SHALL BE IN ACCORDANCE WITH CBC SECTION 803. INTERIOR FLOOR FINISHES SHALL BE IN ACCORDANCE WITH CBC SECTION 804.</div> <div>2. REFER TO INTERIOR MATERIAL AND FINISH SCHEDULES ON SHEET AI600 FOR ADDITIONAL INFORMATION.</div> <div>3. WALL FINISHES PER ROOM ARE TYPICAL FOR ALL WALLS UNLESS NOTED OTHERWISE.</div> <div>4. REFER TO FINISH PLANS AND INTERIOR ELEVATIONS FOR EXACT WALL LOCATIONS OF ACCENT PAINT AND CORNER GUARDS.</div> <div>5. WHEN MULTIPLE PAINT COLORS ARE USED IN A ROOM, PAINT COLOR SHALL TERMINATE ON AN INSIDE CORNER OF WALL UNLESS NOTED OTHERWISE.</div> <div>6. CONTRACTOR TO PROVIDE CONCEALED, IN-WALL COUNTERTOP SUPPORTS AT COUNTERS WITHOUT BASE CABINETS.</div> <div>7. CONTRACTOR TO INSTALL TILE AT RESTROOM WALLS OVER CEMENTITIOUS BACKER UNITS ON WALL STUDS USING WATERPROOF MEMBRANE IN ACCORDANCE WITH TCA HANDBOOK METHOD W244.</div> <div>8. CONTRACTOR TO PROVIDE 2" SLAB DEPRESSION AT FLOOR AREAS INDICATED ON PLANS. FLOORS INDICATED TO RECEIVE DEPRESSED SLAB SHALL SLOPE TO DRAIN.</div> <div>9. FLOOR FINISHES ALONG PATH OF TRAVEL SHALL BE SLIP / TRIP RESISTANT, FIRM AND STABLE.</div> | | | | | | | | |
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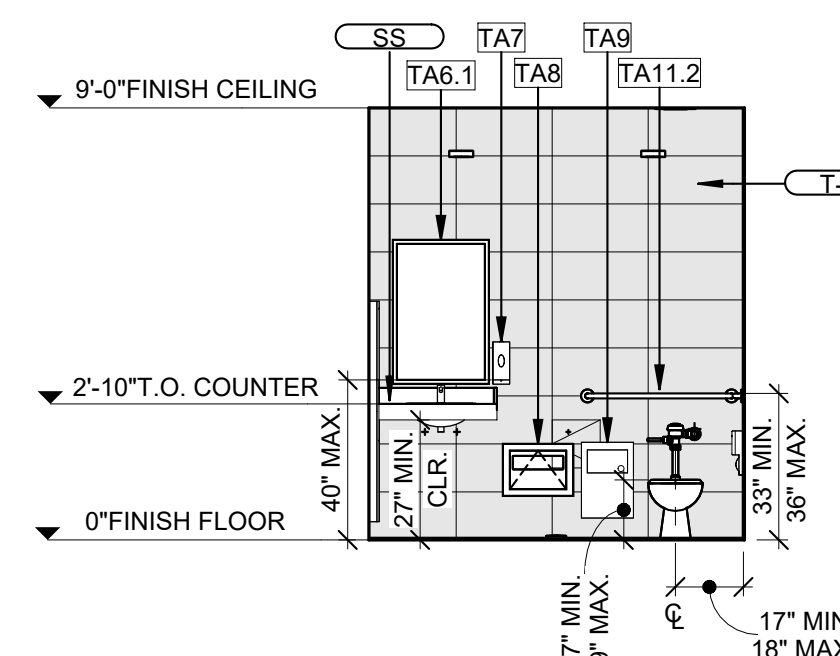
1 201 ALL GENDER RESTROOM NORTH
1/4" = 1'-0"



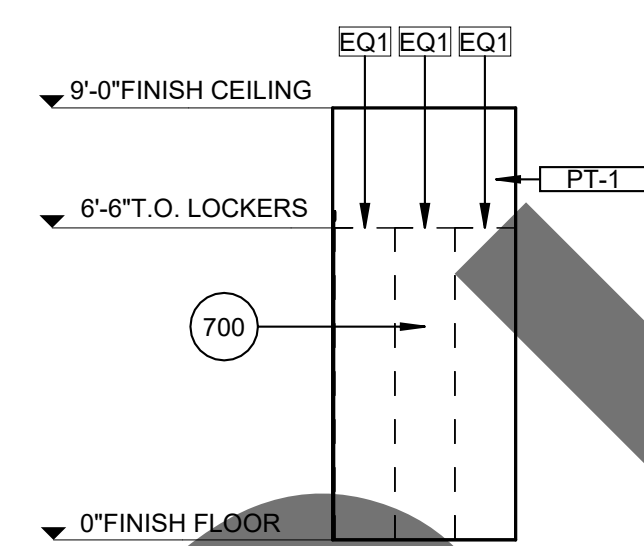
2 201 ALL GENDER RESTROOM EAST
1/4" = 1'-0"



3 201 ALL GENDER RESTROOM SOUTH
1/4" = 1'-0"



4 201 ALL GENDER RESTROOM WEST
1/4" = 1'-0"



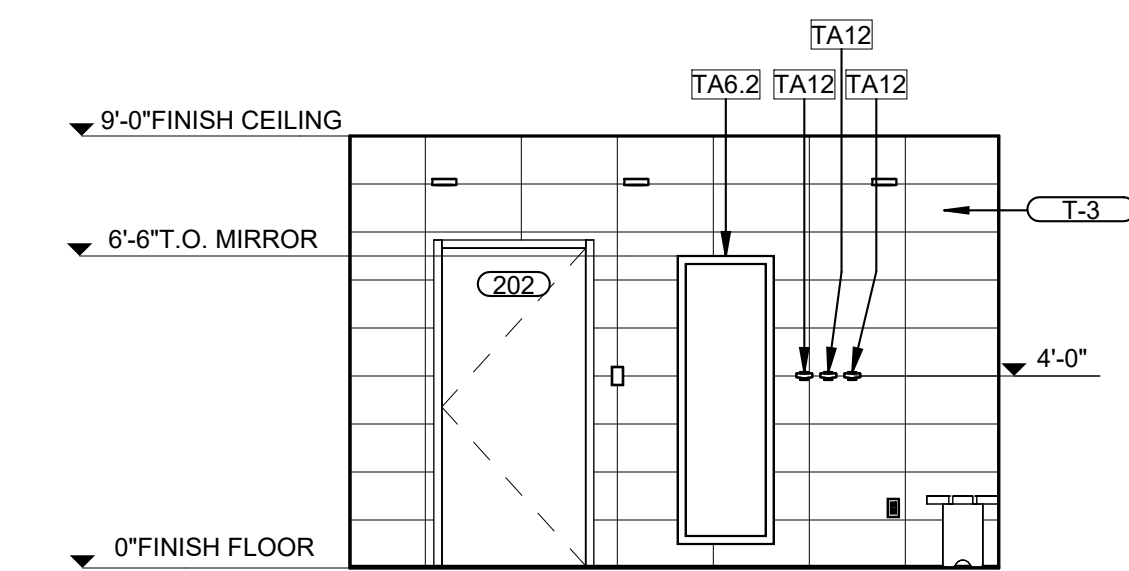
5 203 CORRIDOR WEST
1/4" = 1'-0"

INT. ELEV. GENERAL NOTES

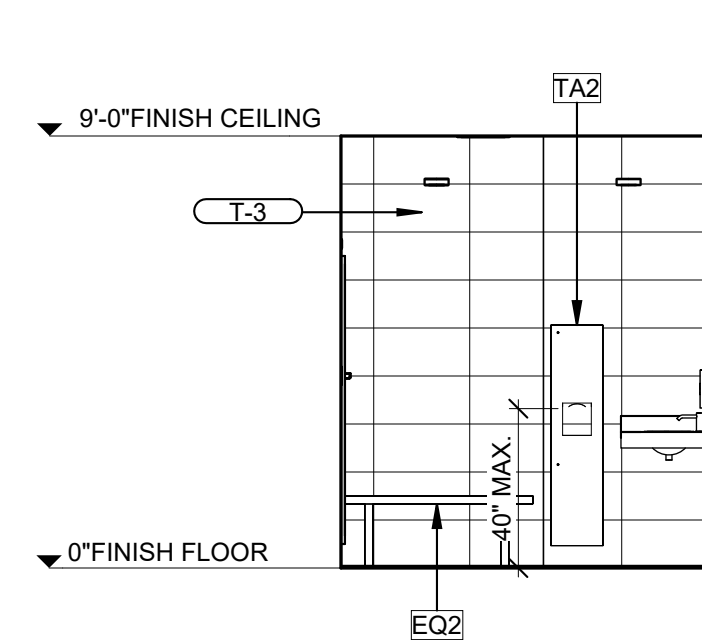
- REFER TO INTERIOR MATERIAL AND FINISH SCHEDULES ON SHEET AI600 FOR ADDITIONAL INFORMATION.
- REFER TO TOILET ACCESSORIES SCHEDULE ON SHEET A601 FOR "TA" ITEMS

INTERIOR ELEVATION KEY NOTES

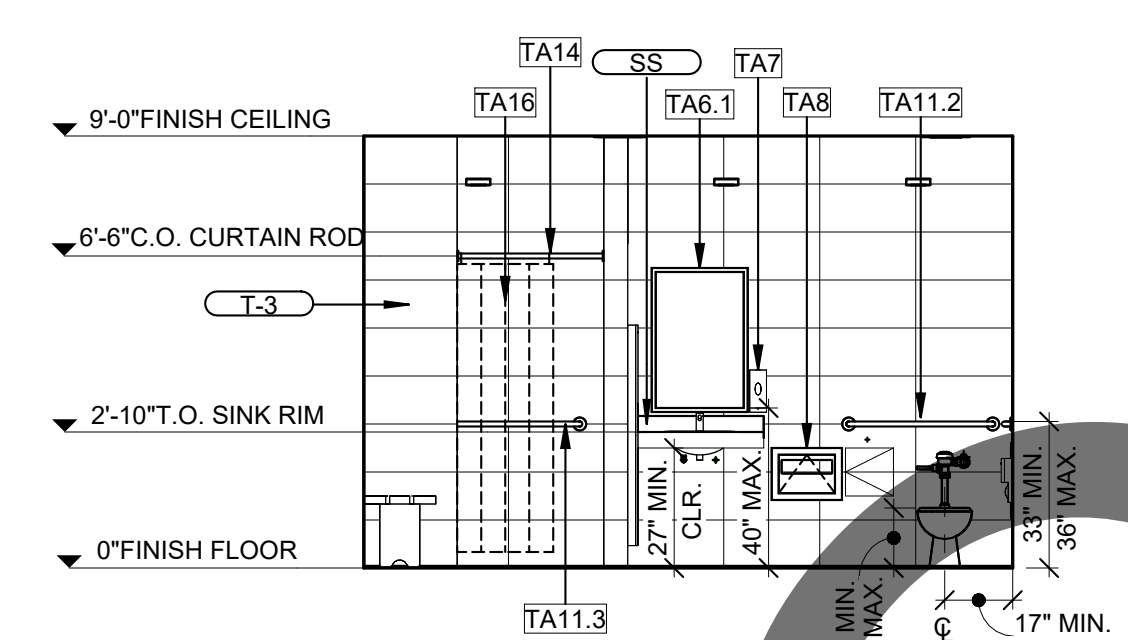
- 700
701
- METAL LOCKERS. REFER TO EQUIPMENT SCHEDULE SHEET AI600.
DRINKING FOUNTAIN. REFER TO PLUMBING PLANS.



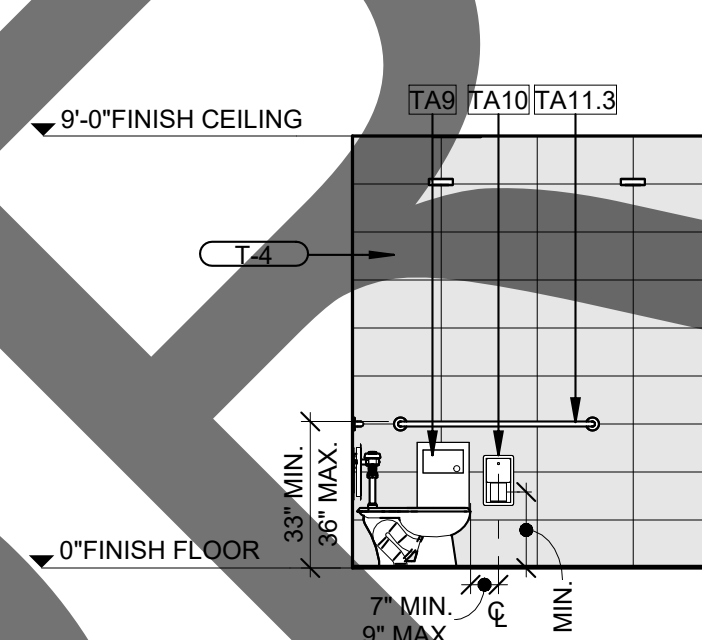
6 202 ALL GENDER RESTROOM NORTH
1/4" = 1'-0"



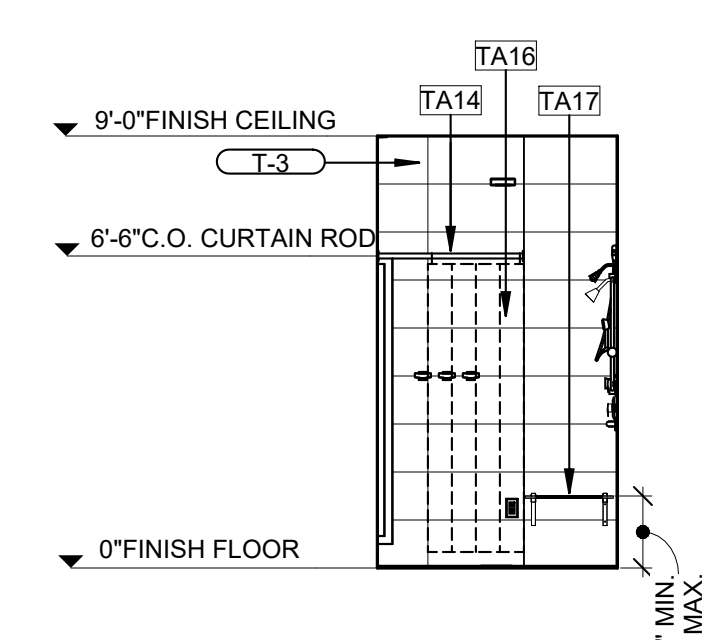
7 202 ALL GENDER RESTROOM EAST
1/4" = 1'-0"



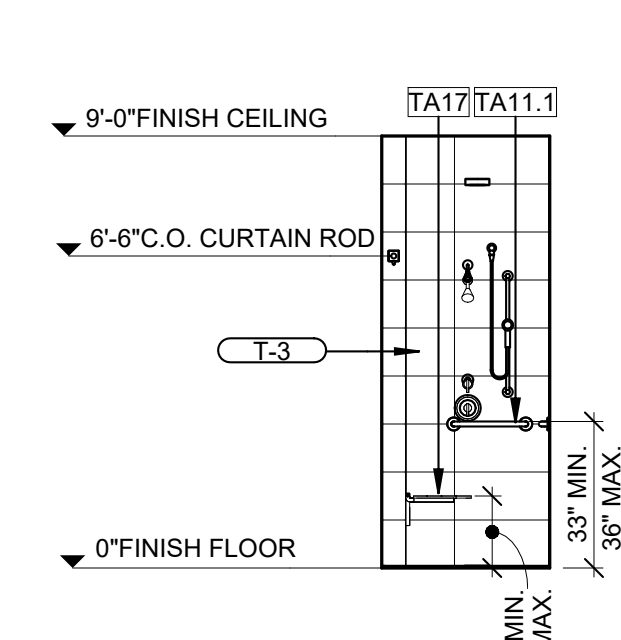
8 202 ALL GENDER RESTROOM SOUTH
1/4" = 1'-0"



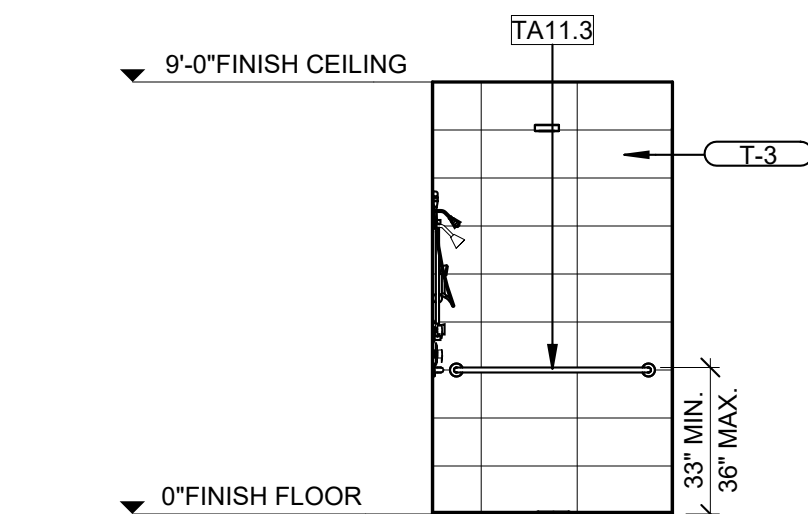
9 202 ALL GENDER RESTROOM WEST
1/4" = 1'-0"



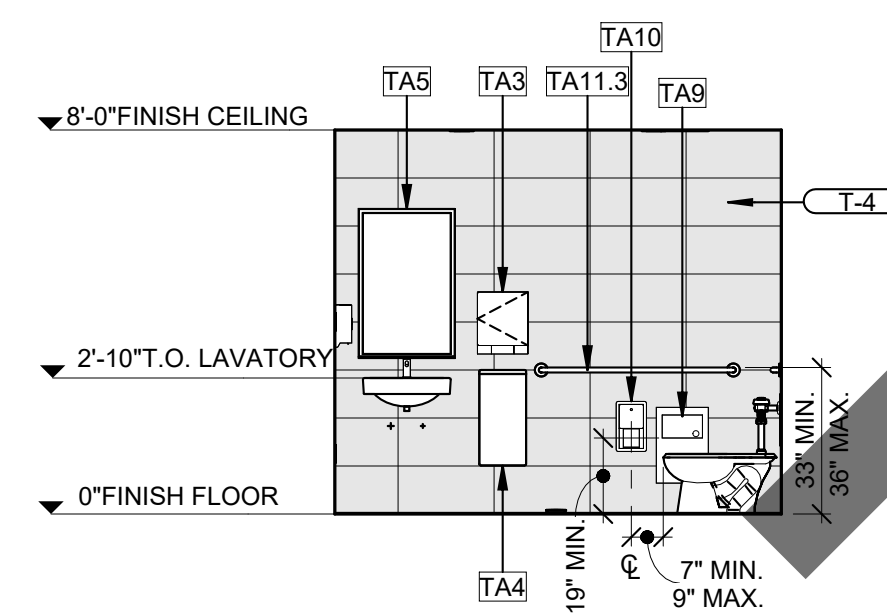
10 202 ALL GENDER SHOWER NORTH
1/4" = 1'-0"



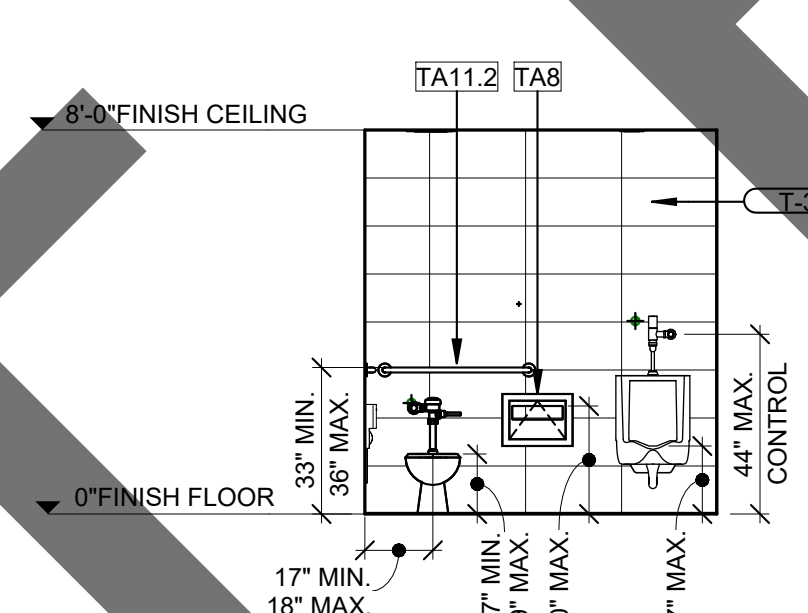
11 202 ALL GENDER SHOWER EAST
1/4" = 1'-0"



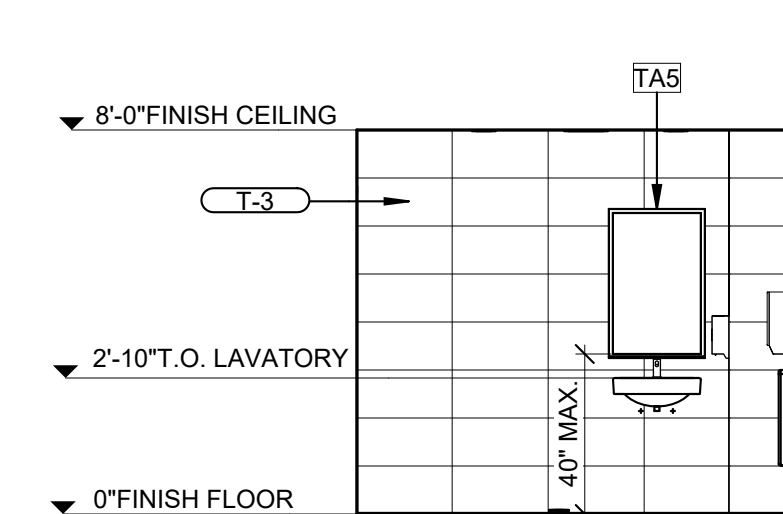
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1/4" = 1'-0"



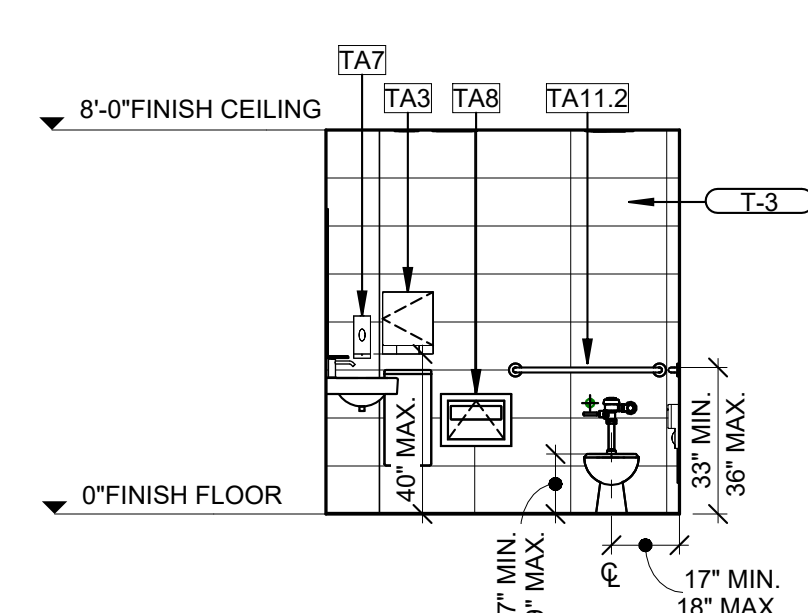
13 204 ALL GENDER RESTROOM NORTH
1/4" = 1'-0"



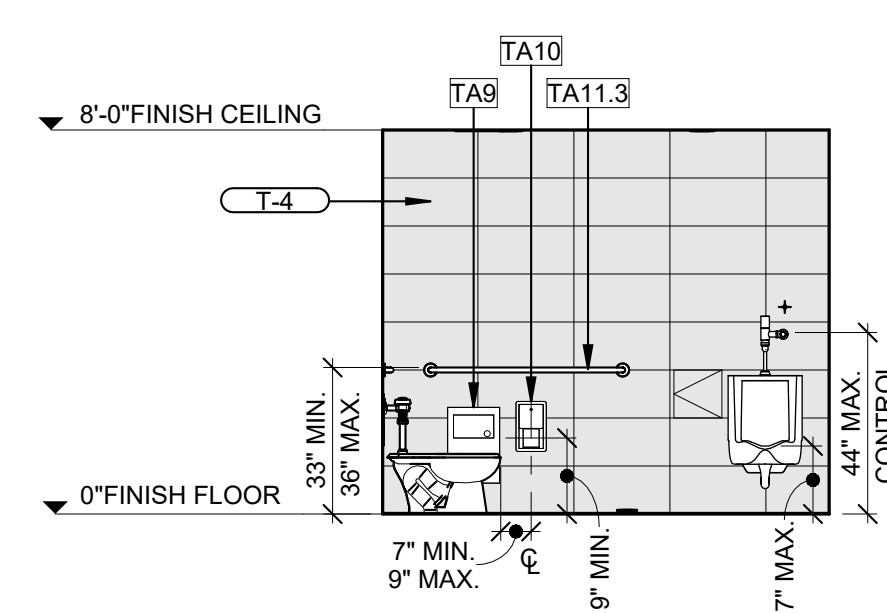
14 204 ALL GENDER RESTROOM EAST
1/4" = 1'-0"



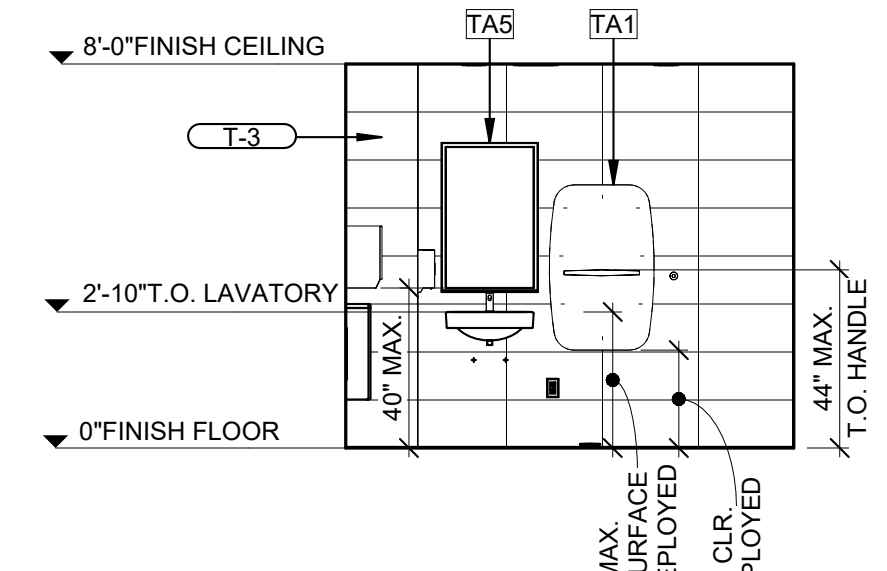
15 205 ALL GENDER RESTROOM NORTH
1/4" = 1'-0"



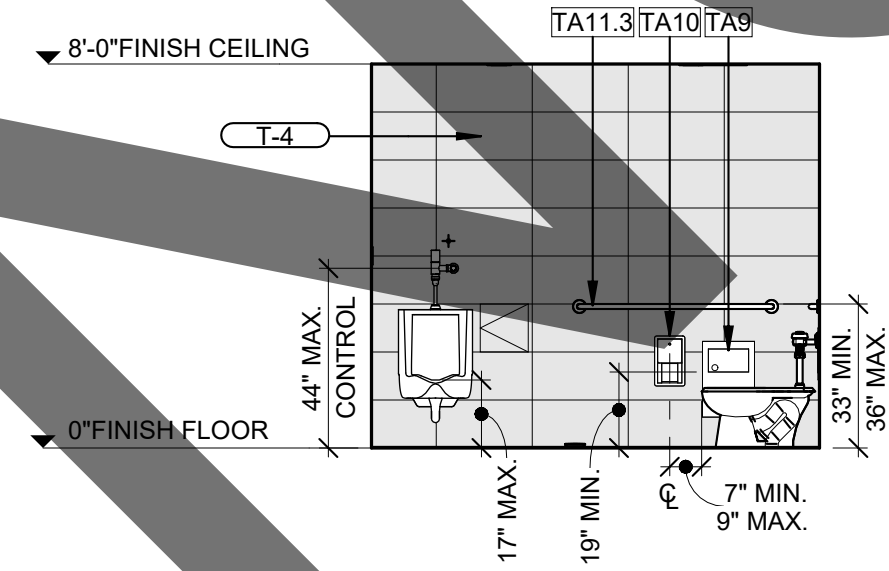
16 205 ALL GENDER RESTROOM EAST
1/4" = 1'-0"



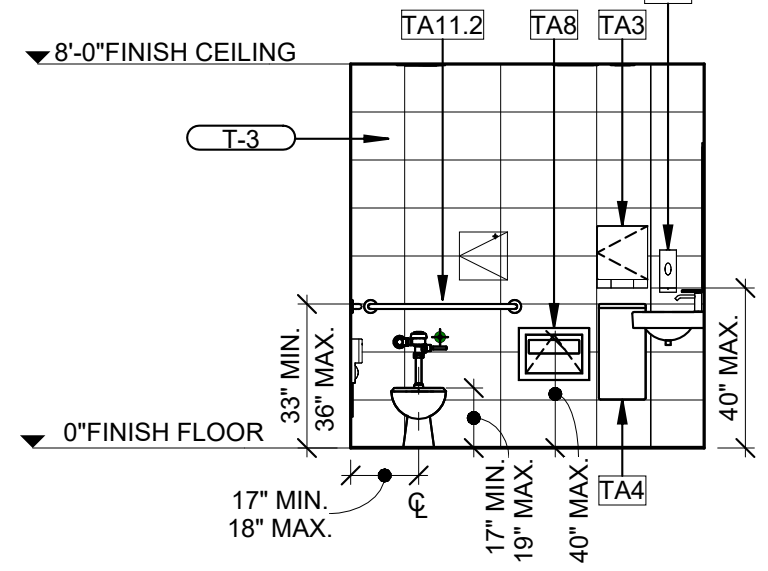
17 205 ALL GENDER RESTROOM SOUTH
1/4" = 1'-0"



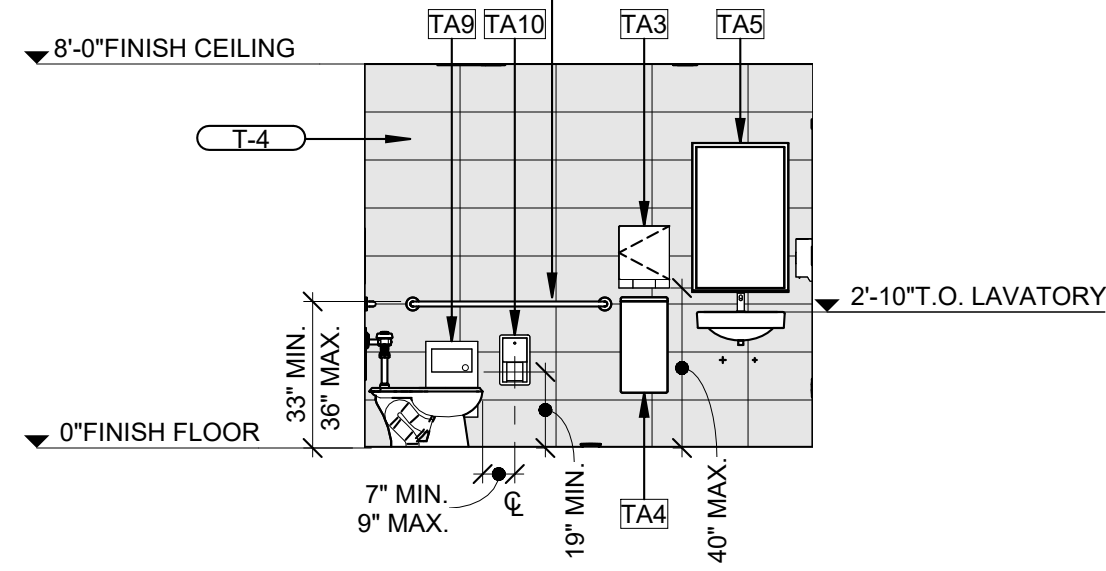
18 206 ALL GENDER RESTROOM NORTH
1/4" = 1'-0"



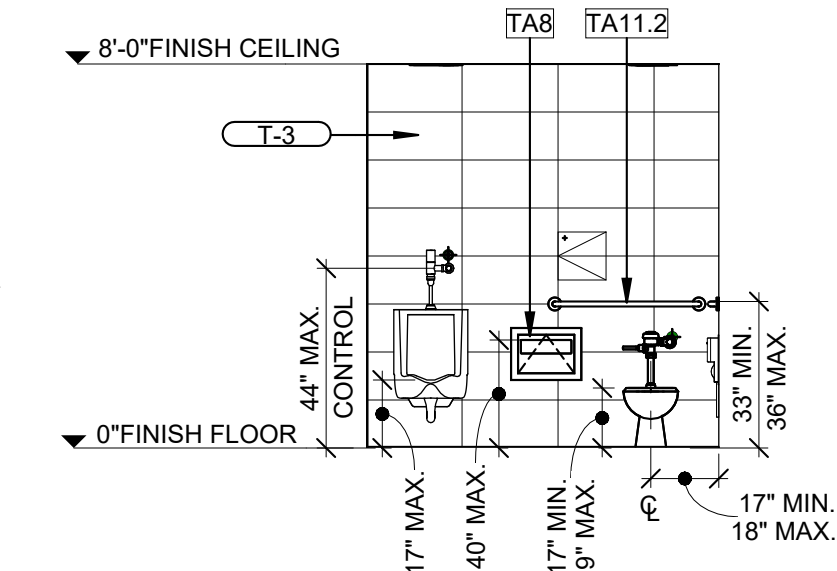
19 206 ALL GENDER RESTROOM SOUTH
1/4" = 1'-0"



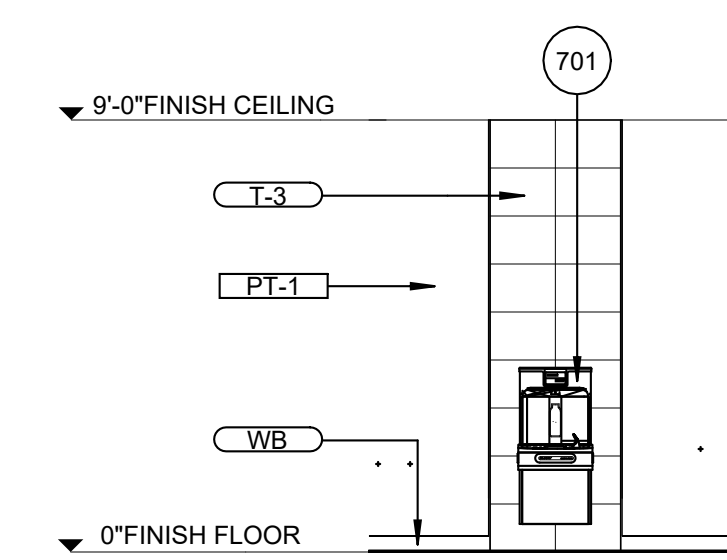
20 206 ALL GENDER RESTROOM WEST
1/4" = 1'-0"



21 207 ALL GENDER RESTROOM NORTH
1/4" = 1'-0"



22 207 ALL GENDER RESTROOM WEST
1/4" = 1'-0"



23 208 CORRIDOR SOUTH
1/4" = 1'-0"




| MARK | DATE | DESCRIPTION |
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NOT FOR CONSTRUCTION

| INTERIOR MATERIAL SCHEDULE | | | | | | | |
|--|-------|--------------------------------|--------------------------|---|---|---------------------------------|----------------|
| CSI # | KEY | PRODUCT | MANUFACTURER | STYLE/SERIES/FINISH | COLOR | SIZE | CLASSIFICATION |
| 06 60 00 - SOLID SURFACING MATERIAL | SS | SOLID SURFACE COUNTERTOP | WILSONART | SOLID SURFACE | ANGEL FALLS 9223SS | PER PLANS | CLASS B |
| 09 30 00 - TILING | T-1 | TILE - FLOOR | DALTILE | CHORD MATTE; STRAIGHT MONOLITHIC INSTALLATION | FORTE GREY CH25 | 11-5/8" X 23-3/8" X 5/16" | CLASS I |
| 09 30 00 - TILING | T-2 | TILE - FLOOR (SHOWER ONLY) | DALTILE | CHORD 3" TRIANGLE MOSAIC | FORTE GREY CH25 | 11-5/8" X 14-1/2" X 5/16" SHEET | CLASS I |
| 09 30 00 - TILING | T-3 | TILE - WALL FIELD | DALTILE | RIGID CLAY, PLATEAU; STRAIGHT MONOLITHIC INSTALLATION | ROCK RC12 | 11-3/4" X 23-3/4" X 3/8" | CLASS A |
| 09 30 00 - TILING | T-4 | TILE - WALL ACCENT | DALTILE | RIGID CLAY, RIDGE; STRAIGHT MONOLITHIC INSTALLATION | ROCK RC12 | 11-3/4" X 23-3/4" X 3/8" | CLASS A |
| 09 30 00 - TILING | T-G1 | GROUT FOR USE WITH FLOOR TILES | CUSTOM BUILDING PRODUCTS | FLOORS: CEG-LITE 100% SOLIDS COMMERCIAL EPOXY GROUT | #335 WINTER GRAY | 1/8" FOR FLOOR TILES | N/A |
| 09 30 00 - TILING | T-G2 | GROUT FOR USE WITH WALL TILES | CUSTOM BUILDING PRODUCTS | WALLS: POLYBLEND PLUS SANDED GROUT | #543 DRIFT WOOD | 1/16" FOR WALL TILES | N/A |
| 09 30 00 - TILING | T-MCV | METAL COVE | SCHLUTER SYSTEMS | DILEX-AHK 1S 100 AT | SATIN NICKEL ANODIZED ALUMINUM | 3/8" | N/A |
| 09 30 00 - TILING | T-MED | METAL EDGE TRIM | SCHLUTER SYSTEMS | RONDEC RO 100 AT | SATIN NICKEL ANODIZED ALUMINUM | 3/8" | N/A |
| 09 30 00 - TILING | T-THR | STONE THRESHOLD | DALTILE | DOUBLE BEVEL THRESHOLD | CARRARA WHITE MARBLE M701 | 4"W X 36"L X 5/8"H | CLASS I |
| 09 51 00 - ACOUSTICAL CEILINGS | CLG-1 | ACT & GRID | ARMSTRONG CEILINGS | ACT=ULTIMA TEGULAR, ITEM#1915; GRID=SUPRAPATINE XL 36" X 6" | ACT & GRID = WHITE | 24" X 48" X 3/4" | CLASS A |
| 09 65 00 - RESILIENT FLOORING AND BASE | LVP | VINYL PLANK | SHAW CONTRACT | TERRAIN II, 20 MIL, 4110V | NEST 00774 | 6" X 48" X 5MM | CLASS III |
| 09 65 00 - RESILIENT FLOORING AND BASE | WB | WALL BASE | TARKETT | TRADITIONAL VINYL TIE (TYPE TV) | TB1 PEPPERCORN | 4"H WITH TOE | CLASS I |
| 09 90 00 - PAINTING | PT-1 | PAINT - WALL FIELD | SHERWIN WILLIAMS | LOW SHEEN INTERIOR TYPICAL; SEMI-GLOSS AT WE AREAS | SW7015 REPOSE GRAY | N/A | N/A |
| 09 90 00 - PAINTING | PT-2 | PAINT - CEILING | SHERWIN WILLIAMS | SEMI-GLOSS INTERIOR AT RESTROOMS; LOW SHEEN ALL OTHERS | SW7757 HIGH REFLECTIVE WHITE | N/A | N/A |
| 09 90 00 - PAINTING | PT-3 | PAINT - WALL ACCENT | SHERWIN WILLIAMS | LOW SHEEN INTERIOR TYPICAL; SEMI-GLOSS AT WE AREAS | TBD | N/A | N/A |
| 10 26 00 - WALL PROTECTION | CG | CORNER GUARD | THE CORNER GUARD STORE | MODEL CG-S54-164815-90; ADHESIVE MOUNT | STAINLESS STEEL, TYPE 304, 16-GA WITH #4 SATIN FINISH | 48"H X 1-1/2"LEG X 90 DEGREE | CLASS A |

| INTERIOR FINISH SCHEDULE | | | | | | | | | | |
|--------------------------|----------------------|-------|-------|-------|-------|--------|--|---------|--|--|
| ROOM NO. | ROOM NAME | FLOOR | | BASE | WALL | | | CEILING | | |
| | | FIELD | OTHER | | FIELD | ACCENT | | | | |
| 201 | ALL GENDER RR | T-1 | N/A | T-MCV | T-3 | T-4 | | PT-2 | | |
| 202 | ALL GENDER RR/SHOWER | T-1 | T-2 | T-MCV | T-3 | T-4 | | PT-2 | | |
| 203 | CORRIDOR | LVP | N/A | WB | PT-1 | N/A | | CLG-1 | | |
| 204 | ALL GENDER RR | T-1 | N/A | T-MCV | T-3 | T-4 | | PT-2 | | |
| 205 | ALL GENDER RR | T-1 | N/A | T-MCV | T-3 | T-4 | | PT-2 | | |
| 206 | ALL GENDER RR | T-1 | N/A | T-MCV | T-3 | T-4 | | PT-2 | | |
| 207 | ALL GENDER RR | T-1 | N/A | T-MCV | T-3 | T-4 | | PT-2 | | |
| 208 | CORRIDOR | LVP | N/A | WB | PT-1 | PT-3 | | CLG-1 | | |

| EQUIPMENT SCHEDULE | | | | | | | | | |
|--------------------|------|------|------|----------------------------------|-----------------------|---|---------------------------|-------------------|----------|
| MARK | CPCI | OPCI | OPOI | DESCRIPTION | MANUFACTURER | MODEL | SIZE | BLOCKING REQUIRED | QUANTITY |
| EQ1 | Yes | | | METAL LOCKERS, TRIPLE-TIER | SALSBURY INDUSTRIES | 53000 SERIES TRIPLE TIER | 15"W X 76"H X 18"D | Yes | 3 |
| EQ2 | Yes | | | HDPE BENCH W/ TRAPEZOID PEDESTAL | ASI STORAGE SOLUTIONS | 1-1/2" SOLID PLASTIC BENCH TOP; FREE STANDING TOP 12"D X 48"H; PEDESTAL 16 GA STAINLESS STEEL TRAPEZOIDAL PEDESTAL 16-1/4"H | TOP 12"D X 48"H; PEDESTAL | No | 1 |




36851 COOK ST., STE 103 | 2300 MARKET ST., STE 140
PALM DESERT, CA 92211 | RIVERSIDE, CA 92501
PH: 760.328.8280 | PH: 951.482.1451

WWW.HOLTARCHITECTURE.COM

CONSULTANT:


STAMPS:



SHERIFF SCIENTIFIC INVESTIGATIONS DIVISION (SID)
ORANGE AND BLUE LAB REMODEL
- ADDITIVE ALTERNATE NO. 1

200 SOUTH LENA RD.
SAN BERNARDINO, CA

SAN BERNARDINO COUNTY



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PROJECT NO.: SBC.002

SHEET TITLE:

FINISH SCHEDULES

SHEET NO.:

AI600

CAL GREEN GENERAL NOTES

1. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUCT OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM.
2. ADHESIVES, SEALANTS, AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS:
- A. ADHESIVES, ADHESIVE BONDING PRIMERS, ADHESIVE PRIMERS, SEALANTS, SEALANTS PRIMERS AND CAULKS SHALL COMPLY WITH LOCAL OR REGIONAL AIR POLLUTION CONTROL OR AIR QUALITY MANAGEMENT DISTRICT RULES WHERE APPLICABLE, OR SCAQMD RULE 1168 VOC LIMITS, AS SHOWN IN TABLES 5.504.4.1 AND 5.504.4.2. SUCH PRODUCTS ALSO SHALL COMPLY WITH THE RULE 1168 PROHIBITION ON THE USE OF CERTAIN TOXIC COMPOUNDS (CHLOROFORM, ETHYLENE, DICHLORIDE, ETHYLENE CHLORIDE, PERCHLORODETHYLENE, AND TRICHLOROETHYLENE), EXCEPT FOR AEROSOL PRODUCTS AS SPECIFIED IN SUBSECTION 2 BELOW.
- B. AEROSOL ADHESIVE, AND SMALLER UNIT SIZES OF ADHESIVES, AND SEALANT OR CAULKING COMPOUNDS (IN UNITS OF PRODUCT, LESS PACKAGING, WHICH DO NOT WEIGH MORE THAN ONE POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH STATEWIDE VOC STANDARDS AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17 COMMENCING WITH SECTION 94507.
3. IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR THAT PROVIDES AT LEAST A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 13. MERV 13 FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY, AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATIONS AND MAINTENANCE MANUAL.
- EXCEPTIONS:
- A. EXISTING MECHANICAL EQUIPMENT.
- 5.504.5.3.1 LABELING, INSTALLED FILTERS SHALL BE CLEARLY LABELED BY THE MANUFACTURER INDICATING MERV RATING.
4. BUILDINGS SHALL MEET OR EXCEED THE PROVISIONS OF CALIFORNIA BUILDING CODE, CCR, TITLE 24, PART 2, SECTIONS 1203 (VENTILATION) AND CHAPTER 14 (EXTERIOR WALLS). FOR CONDITIONAL MEASURES NOT APPLICABLE TO LOW RISE RESIDENTIAL OCCUPANCIES, SEE SECTION 5.407.2 OF THIS CODE.
5. FOR MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS, MEET THE MINIMUM REQUIREMENTS OF SECTION 120.1 (REQUIREMENTS FOR VENTILATION) OF THE 2022 CALIFORNIA ENERGY CODE, OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT, AND THE DIVISION 1, CHAPTER 4 OF CCR, TITLE 8.
6. INSTALLATIONS OF HVAC, REFRIGERATION EQUIPMENT SHALL COMPLY WITH 5.508.1.1 AND 5.508.1.2, ADDRESSING THAT ALL REFRIGERATION IN HVAC EQUIPMENT SHALL NOT CONTAIN CFCs OR HALONS.

MECHANICAL BASIS OF DESIGN

- A. OUTDOOR DESIGN CONDITIONS:
1. SUMMER: 105°F DB/69°F WB
2. WINTER: 32°F
- B. DESIGN CONDITIONS:
- | OCCUPANT SPACE | OCG DENSITY | LIGHTING DENSITY | COOLING TEMPERATURE | HEATING TEMPERATURE | RELATIVE HUMIDITY |
|----------------|-------------|------------------|---------------------|---------------------|-------------------|
| CORRIDOR | 100 SF/OCC | 0.7 WSF | 74°F +/- 2°F | 70°F +/- 2°F | 50% |
| LOBBY | 15 SF/OCC | 0.85 WSF | 74°F +/- 2°F | 70°F +/- 2°F | 50% |
- C. HVAC CONTROL METHOD:
1. ENERGY MANAGEMENT SYSTEM (EMS) CONTROL OF ALL EQUIPMENT. TIE-IN TO EXISTING EMS
- D. CALIFORNIA VENTILATION CRITERIA:
1. COMPLY WITH CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARD.
- E. EXHAUST TO OUTDOORS (MINIMUM RATES)
1. RESTROOMS: 70 CFM/(WC or U)
- F. BUILDING ENVELOPE:
1. REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ENVELOPE REQUIREMENTS
- G. DUCTWORK DESIGN CRITERIA (MAXIMUM ALLOWABLE AIR PRESSURE DROPS AND AIR VELOCITIES) TO MEET HIGH EFFICIENCY OPERATION WITH MINIMAL ACOUSTICAL NOISE. LOW PRESSURE SUPPLY AND EXHAUST DUCT STATIC PRESSURE FRICTION LOSS BASED ON A MAXIMUM OF 0.08" PER 100 FEET.
1. IN ADDITION, MAXIMUM SUPPLY, RETURN AND EXHAUST DUCT AIR FLOW VELOCITIES, REGARDLESS OF PRESSURE DROP, SHALL NOT EXCEED THE FOLLOWING CRITERIA:
- A. MAINS ABOVE CEILING: 1750 FPM
- B. BRANCHES ABOVE CEILING: 1400 FPM
- C. RUN-OUTS TO DIFFUSERS: 725 FPM
- H. ACOUSTICAL
1. THE FOLLOWING NOISE NCRC CRITERIA LEVELS WILL BE DESIGNED AS DEFINED IN THE ASHRAE HVAC APPLICATIONS HANDBOOK. THESE LEVELS ADDRESS THE MECHANICAL SYSTEMS ONLY. ACTUAL SOUND PERFORMANCE REQUIREMENTS FOR EACH SPACE MUST BE VERIFIED WITH ACOUSTICAL CONSULTANT.
- A. CORRIDORS AND LOBBIES: 40
- I. SEISMIC:
1. SEE ANCHORAGE AND BRACING NOTE ON THIS SHEET.

APPLICABLE NOTES

1. 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (IBC WITH AMENDMENTS)
3. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (NEC WITH AMENDMENTS)
4. 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (UMC WITH AMENDMENTS)
5. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (UPC WITH AMENDMENTS)
6. 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (IFC WITH AMENDMENTS)
7. 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
8. 2019 TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
9. 2022 CALIFORNIA ENERGY CODE (PART 6, TITLE 24 C.C.R.)
10. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSS), PART 11, TITLE 24 C.C.R.
11. 2021 INTERNATIONAL BUILDING CODE (IBC)
12. 2021 INTERNATIONAL MECHANICAL CODE (IMC)
13. 2021 INTERNATIONAL PLUMBING CODE (IPC)

MECHANICAL GENERAL NOTES

1. THE TOTAL INSTALLATION SHALL COMPLY WITH ANY AND REQUIREMENTS OF THE LEGALLY CONSTITUTED AUTHORITIES HAVING JURISDICTION INCLUDING 2022 CBC (CALIFORNIA BUILDING CODE), 2022 CMCP/C (CALIFORNIA MECHANICAL AND PLUMBING CODE), 2022 CAL GREEN REQUIREMENTS AND THE 2022 TITLE 24 ENERGY CODE.
2. VISIT THE SITE PRIOR TO BID AND SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO WORK.
3. INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. BEFORE PROCEEDING WITH THE WORK CAREFULLY CHECK AND VERIFY DIMENSIONS, SIZES, REQUIRED CLEARANCES AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK OF OTHER TRADES. DUCT DIMENSIONS SHOWN ON PLANS ARE NET INSIDE CLEAR.
4. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT OFFSETS, BENDS, SPECIAL FITTINGS AND LOCATIONS ARE NOT EXACTLY LOCATED. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE NET INSIDE DIMENSIONS. DO NOT FABRICATE DUCTWORK FROM THESE DRAWINGS. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR SUPPLYING SHOP DRAWINGS WHICH REFLECT THE PROPOSED INSTALLATION. THE SHOP DRAWINGS MUST BE APPROVED BY THE ENGINEER PRIOR TO ANY SHEET METAL FABRICATION. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ACCURATE AS-BUILT DRAWINGS AT THE COMPLETION OF THE PROJECT AND SUBMITTING THEM TO THE ENGINEER AND OWNER.
5. IN THE PREPARATION OF THESE DOCUMENTS, CERTAIN ASSUMPTIONS ARE MADE REGARDING EXISTING CONDITIONS. SOME OF THESE ASSUMPTIONS MAY NOT BE VERIFIABLE WITHOUT EXPENDING ADDITIONAL SUMS OF MONEY OR DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF EXISTING BUILDINGS AND/OR EQUIPMENT. THEREFORE, THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR ANY CHANGES OR ADDITIONAL COSTS INCURRED DUE TO EXISTING CONDITIONS.
6. COMPLY WITH CONTRACT DOCUMENTS IN LAYING OUT THEIR WORK AND EQUIPMENT. THEY SHALL COORDINATE THE WORK OF THIS SECTION WITH THE WORK OF OTHER TRADES AND JOB CONDITIONS.
7. THE INSTALLATION OF ACCESS PANELS OR OTHER INDICATING EQUIPMENT OR SPECIALTIES REQUIRING READING, ADJUSTMENT, INSPECTION, REPAIRS, REMOVAL OR REPLACEMENT, SHALL BE CONVENIENTLY LOCATED WITH REFERENCE TO THE FINISHED BUILDING.
8. WHERE MATERIAL IS SHOWN ON THE DRAWINGS BUT NOT SPECIFIED, IT SHALL BE OF THE SAME TYPE AND QUALITY AS EXISTING MATERIAL.
9. PROVIDE MANUAL VOLUME DAMPERS AT UPSTREAM PORTION OF TERMINAL AIR BRANCHES. THESE SHALL BE OF THE LOOKING QUADRANT TYPE, WHERE LOCATED OVER SLOPED OR HARD CEILINGS, PROVIDE DURO-DYNE ANGLE GEAR DRIVE OR BOWDEN CABLE CONTROL SYSTEM OR PROVIDE UNITED KERNTECH POWER-BALANCE SYSTEM. REMOTE PLATE LOCATIONS TO BE LOCATED AS DETERMINED BY ARCHITECT.
10. PROVIDE MINIMUM 1" ACOUSTICAL LINING IN DUCTWORK WITHIN 10 FEET OF AIR MOVING EQUIPMENT. PROVIDE DURO-DYNE FLEXIBLE CONNECTION AT DUCT AT EQUIPMENT LOCATIONS.
11. DUCTS IN AN UNCONDITIONED SPACE OR EXTERIOR DUCT WORK SHALL HAVE A MIN. OF R-8 INSULATION. DUCTS WITHIN THE CONDITIONED ENVELOPE ABOVE A CEILING SHALL HAVE A MIN. OF R-4 INSULATION. EXTERIOR DUCTWORK SHALL NOT HAVE INSULATION EXPOSED TO THE ENVIRONMENT.
12. WHERE NOT SPECIFICALLY INDICATED OTHERWISE, DUCTWORK AND EQUIPMENT SHALL BE SUPPORTED PER THE SMACNA GUIDELINES FOR SEISMIC RESTRAINT AND CURRENT APPLICABLE UNIFORM MECHANICAL CODE.
13. WHEN A FIRE ALARM SYSTEM WITH FULL COVERAGE SMOKE DETECTORS ARE PROVIDED, DUCT SMOKE DETECTORS MAY BE ELIMINATED. THESE ALARM CONTRACTOR SHALL WIRE SMOKE/FIRE DAMPER ACTIVATORS TO AREA SMOKE DETECTORS.
14. TESTING, ADJUSTING, AND BALANCING (TAB) OF THE AIR CONDITIONING SYSTEMS AND RELATED ANCILLARY EQUIPMENT WILL BE PERFORMED BY A CERTIFIED, INDEPENDENT THIRD PARTY. AABC AGENCY PROCURED BY THE MECHANICAL CONTRACTOR. A COMPLETE AIR BALANCE REPORT TO BE SUBMITTED TO THE ADMINISTRATIVE AUTHORITY AND TO THE MECHANICAL ENGINEER AND APPROVED PRIOR TO FINAL PAYMENT.
15. AIR HANDLING DUCT SYSTEMS SHALL BE CONSTRUCTED, INSTALLED AND INSULATED AS PROVIDED IN CHAPTER 6 OF 2022 CMC.
16. MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 (2022 CMC SECTION 602.2).
17. DUCTWORK SHALL BE HARD DUCT. FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5' IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE (SEC 603.4.1 CMC).
18. ANY SUBSTITUTION MADE THAT IS DIFFERENT FROM WHAT IS SPECIFIED ON THE DRAWINGS SHALL BE CLEARLY INDICATED ON THE SUBMITTAL AS TO THAT IS BEING SUBSTITUTED.
19. THERMOSTATS SHALL COMPLY WITH THE 2022 ENERGY COMMISSION AND SHALL BE WIFI ENABLED.
20. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUCT OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM.
21. WHERE MORE THAN ONE HEATING, COOLING, VENTILATING, OR REFRIGERATING SYSTEM IS INSTALLED ON THE ROOF OF A BUILDING OR WITHIN A BUILDING, IT SHALL BE PERMANENTLY IDENTIFIED AS TO THE AREA OR SPACE SERVED BY THE EQUIPMENT. (CMC 303.6) PROVIDE PERMANENT LABELING AND IDENTIFICATION FOR HVAC UNIT (SINGLE SYSTEM OR MULTIPLE) AND THERMOSTATS. IDENTIFICATION FOR THE THERMOSTATS SHALL CORRELATE TO THE HVAC UNIT THAT IT SERVES.
22. AIR CONDITIONING REFRIGERATION SERVICE PORTS LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING TYPE TAMPER RESISTANT CAP OR SHALL BE PROTECTED FROM UNAUTHORIZED ACCESS BY A MEANS ACCEPTABLE TO THE BUILDING DEPARTMENT PER CMC SECTION 1105.11.
23. MECHANICAL CONTRACTOR SHALL REVIEW THE LEED REQUIREMENTS FOR THIS PROJECT PRIOR TO BID AND THROUGHOUT THE CONSTRUCTION TO ENSURE THAT THE REQUIRED LEED DOCUMENTATIONS AND CREDITS ARE ACHIEVED.

AIR DISTRIBUTION SCHEDULE

| SYMBOL | DESCRIPTION | MANUFACTURER & MODEL NO. | FINISH | LOCATION | ACCESSORIES |
|--------|------------------|--------------------------|-------------------|----------|-------------|
| CD | CEILING DIFFUSER | "PRICE" MODEL SMC0 | WHITE POWDER COAT | ALL ELSE | - |
| CD | CEILING DIFFUSER | "PRICE" MODEL SPD | WHITE POWDER COAT | LOBBY | - |
| CE | CEILING REGISTER | "PRICE" MODEL 70 | WHITE POWDER COAT | ALL | - |

- ① AT ALL HARD LID CEILINGS, CONTRACTOR SHALL PROVIDE FOR "MAT" CABLE DRIVEN DAMPERS, MODEL RT-150. CABLE SHALL BE ROUTED BEHIND GRILLE OPENING AND INSTALLED PER MANUFACTURER'S REQUIREMENTS.
- ② NO OPPOSED BLADE DAMPERS SHALL BE USED.

HVAC LEGEND

| SYMBOLS | ABBREVIATIONS | DESCRIPTIONS |
|---------|---------------|--|
| | | SO, RECT., OR ROUND DUCT SIZE AS NOTED |
| | | DUCT WITH ACOUSTICAL LINER |
| | | EXISTING DUCT OR EQUIPMENT TO REMAIN |
| | | EXISTING DUCT OR EQUIPMENT TO BE REMOVED |
| | | FLEXIBLE DUCT |
| | CD | CEILING DIFFUSER, SUPPLY |
| | CR / CE | CEILING REGISTER, RETURN / EXHAUST |
| | | SECTION THROUGH DUCT |
| | | DUCT DOWN |
| | | RECTANGULAR TO ROUND TRANSITION |
| | | DUCT ACCESS DOOR |
| | | MITERED DUCT ELBOW WITH TURNING VANES |
| | | FIRE DAMPER |
| | MVD | MANUAL VOLUME DAMPER, LOCKING QUADRANT TYPE FOR ROUND DUCT OR OPPOSED BLADE TYPE FOR RECT DUCT |
| | | SECTION REFERENCE |
| | | DETAIL REFERENCE |
| | | EQUIPMENT DESIGNATION AND NUMBER |
| | OBD | OPPOSED BLADE DAMPER |
| | | PARALLEL DAMPER |
| | TSTAT | THERMOSTAT |
| | S.F.D. | SMOKE FIRE DAMPER |
| | F.D. | FIRE DAMPER |
| | A.F.F. | ABOVE FINISHED FLOOR |
| | CFM | CUBIC FEET OF AIR PER MINUTE |
| | CFMS | CFM SUPPLY |
| | CFMR | CFM RETURN |
| | CFME | CFM EXHAUST |
| | O.S.A. | OUTSIDE AIR |
| | (E) or EXIST. | EXISTING |
| | (N) | NEW |
| | 30"x10" | INDICATES RECTANGULAR DUCT SIZE: WIDTH x HEIGHT |
| | 12"Ø | INDICATES ROUND DUCT SIZE: DIAMETER |
| | POC | POINT OF CONNECTION |
| | POD | POINT OF DEMOLITION |

ANCHORAGE AND BRACING NOTES

1. PIPES, DUCTS AND CONDUITS SHALL BE SUPPORTED AND BRACED PER THE 2006 SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING SYSTEMS", THE "SUPERSTRUT SEISMIC RESTRAINT SYSTEM" FOR PIPES AND CONDUITS ONLY.

MECHANICAL SHEET INDEX

| SHEET NUMBER | SHEET NAME |
|--------------|--------------------------------------|
| M001 | MECHANICAL LEGENDS NOTES & SCHEDULES |
| M020 | MECHANICAL DEMOLITION FLOOR PLAN |
| M200 | MECHANICAL REMODEL PLAN |
| M301 | MECHANICAL DETAILS |

(E) VAV BOX SCHEDULE

| TAG | MANUFACTURER & MODEL NO. | AREA SERVED | COOLING MAX CFM | HEATING CFM | HEATING COIL | | | | | REMARKS |
|-----------|--------------------------|---|-----------------|-------------|--------------|-----|------|--------|--------|---------|
| | | | | | ROWS | GPM | MBH | W.P.D. | A.P.D. | |
| (E) VAV-9 | TRANE VCVF SIZE 12 | ALL GENDER RR 204-207 CORRIDOR 208, ROOM 210 | 1500 | 450 | 1 | 3.0 | 30.5 | 5.2 | 0.3 | - |
| (E) VAV-8 | TRANE VCVF SIZE 8 | CORRIDOR 203, ALL GENDER RR 201-202, ROOM 213 | 600 | 305 | 1 | 1.0 | 10.5 | 2.6 | 0.2 | - |

EXHAUST FAN SCHEDULE

| TAG | MANUFACTURER & MODEL NO. | AREA SERVED | FAN SYSTEM | | | | SONES | ELECTRICAL | | OPR. WT WITH ACCESSORIES (LBS.) | REMARKS (SEE EQUIPMENT NOTES BELOW) | ANCHORAGE DETAIL REFERENCE |
|-----|--------------------------|-----------------------|------------|-------|------|------------------|-------|--------------|------|---------------------------------|-------------------------------------|----------------------------|
| | | | CFM | ESP | RPM | PWR | | V-PH-HZ | AMPS | | | |
| | GREENHECK G-690-VG | ALL GENDER RR 204-207 | 400 | 0.4 | 1387 | 0.05 BHP 1/10 HP | 6.1 | 120V-10-60Hz | 1.38 | 45 | ①②③④⑤ | ⑤ M301 |
| | GREENHECK G-690-VG | ALL GENDER RR 201-202 | 300 | 0.359 | 1222 | 0.04 BHP 1/10 HP | 5.2 | 120V-10-60Hz | 1.38 | 45 | ①②③④⑤ | ⑤ M301 |

EQUIPMENT NOTES:

- ① VARI-GREEN EC MOTOR WITH DIAL FOR BALANCING
- ② BACKDRAFT DAMPER, BD-100-PB-10X10
- ③ ROOF CURB WITH 1" LINER & DAMPER TRAY, GP-17-10-G12
- ④ BIRD SCREEN
- ⑤ TOGGLE DISCONNECT SWITCH MOUNTED & WIRED IN JUNCTION BOX LOCATED IN WEATHER-PROTECTED COMPARTMENT

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STAMPS:



SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB

200 SOUTH LENA RD.
SAN BERNARDINO, CA

PROJECT:



CLIENT:

| MARK | DATE | DESCRIPTION |
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PROJECT NO.: SBC-002

SHEET TITLE:

MECHANICAL
LEGENDS NOTES
& SCHEDULES

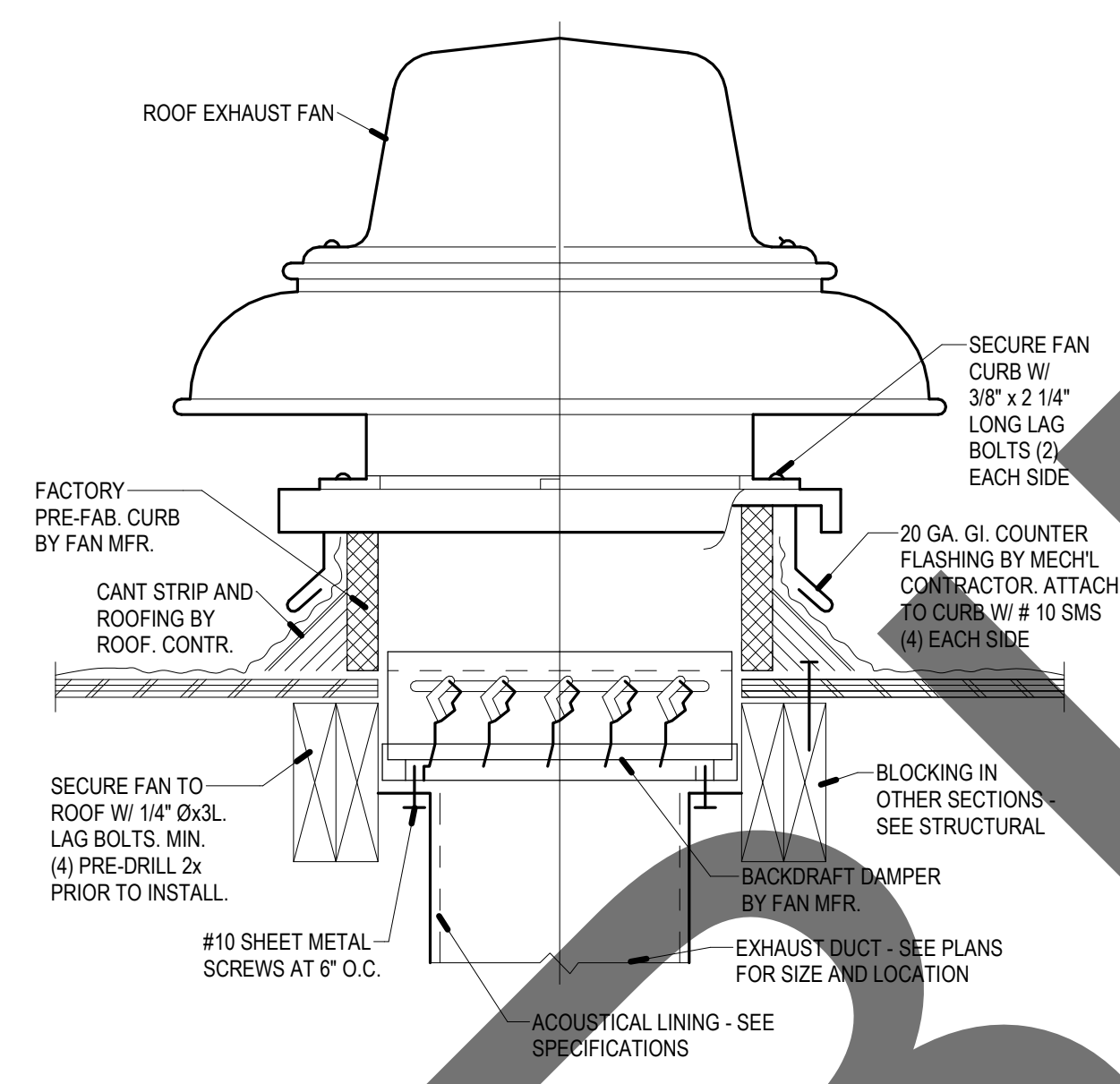
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M001

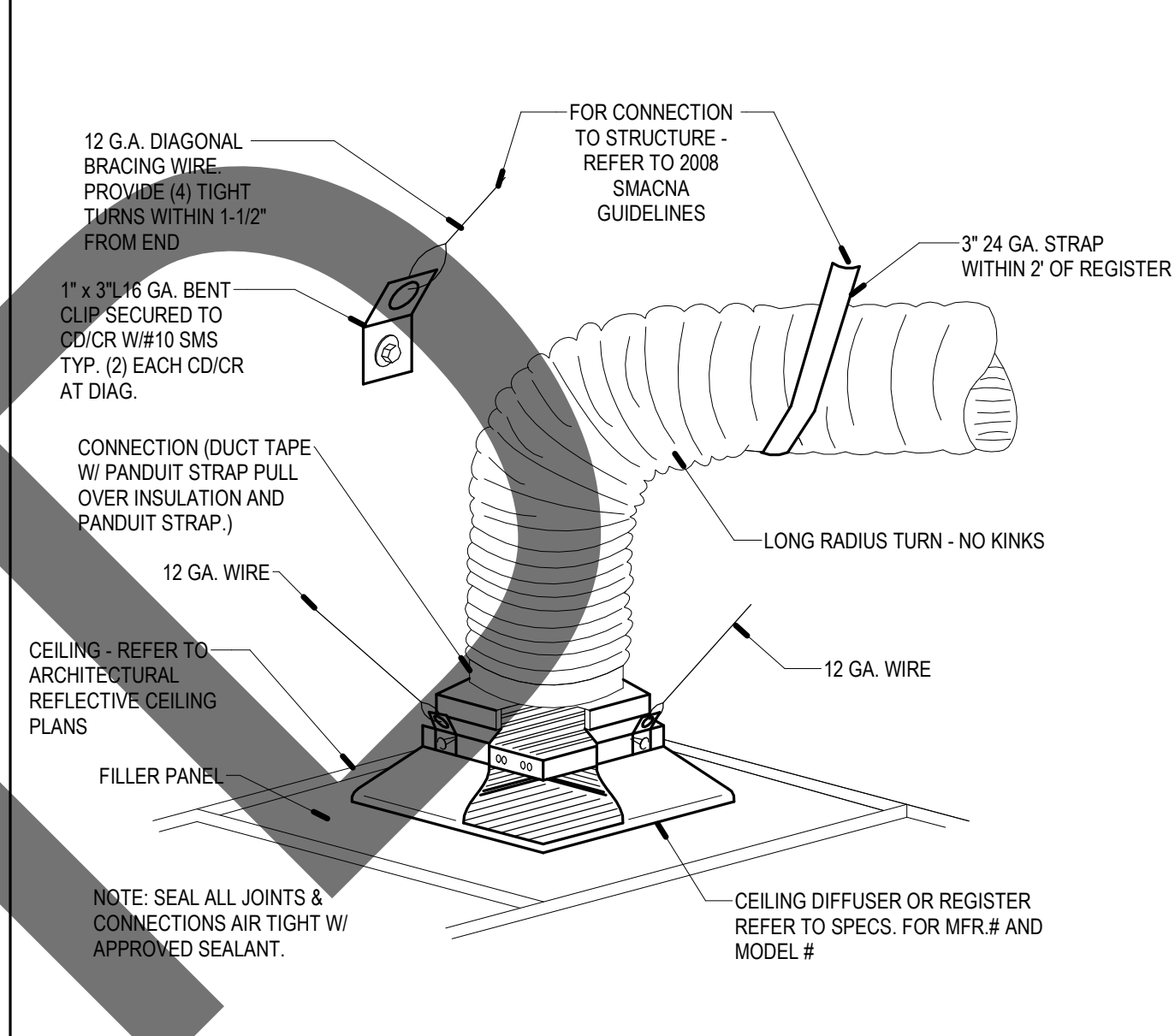
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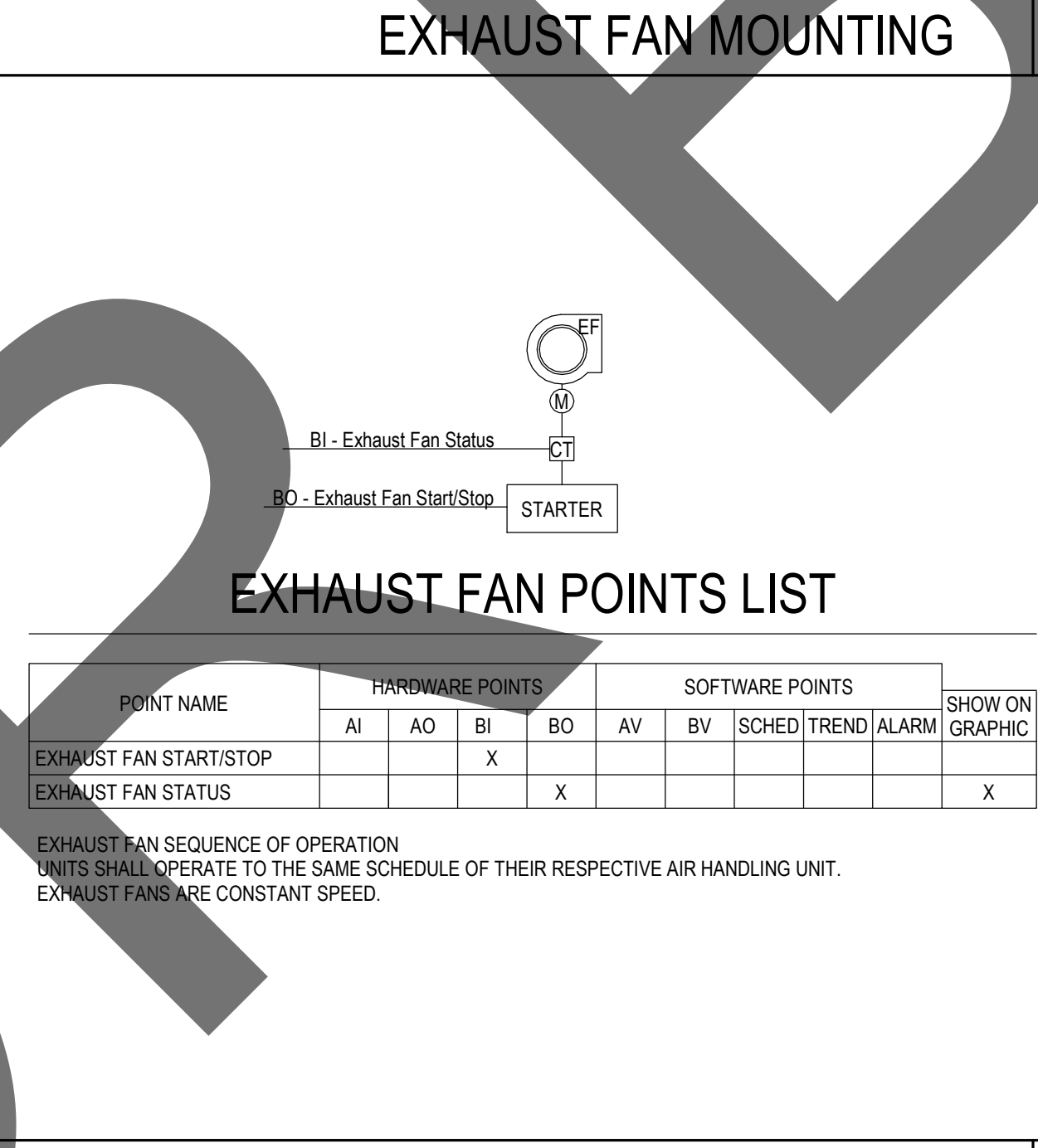
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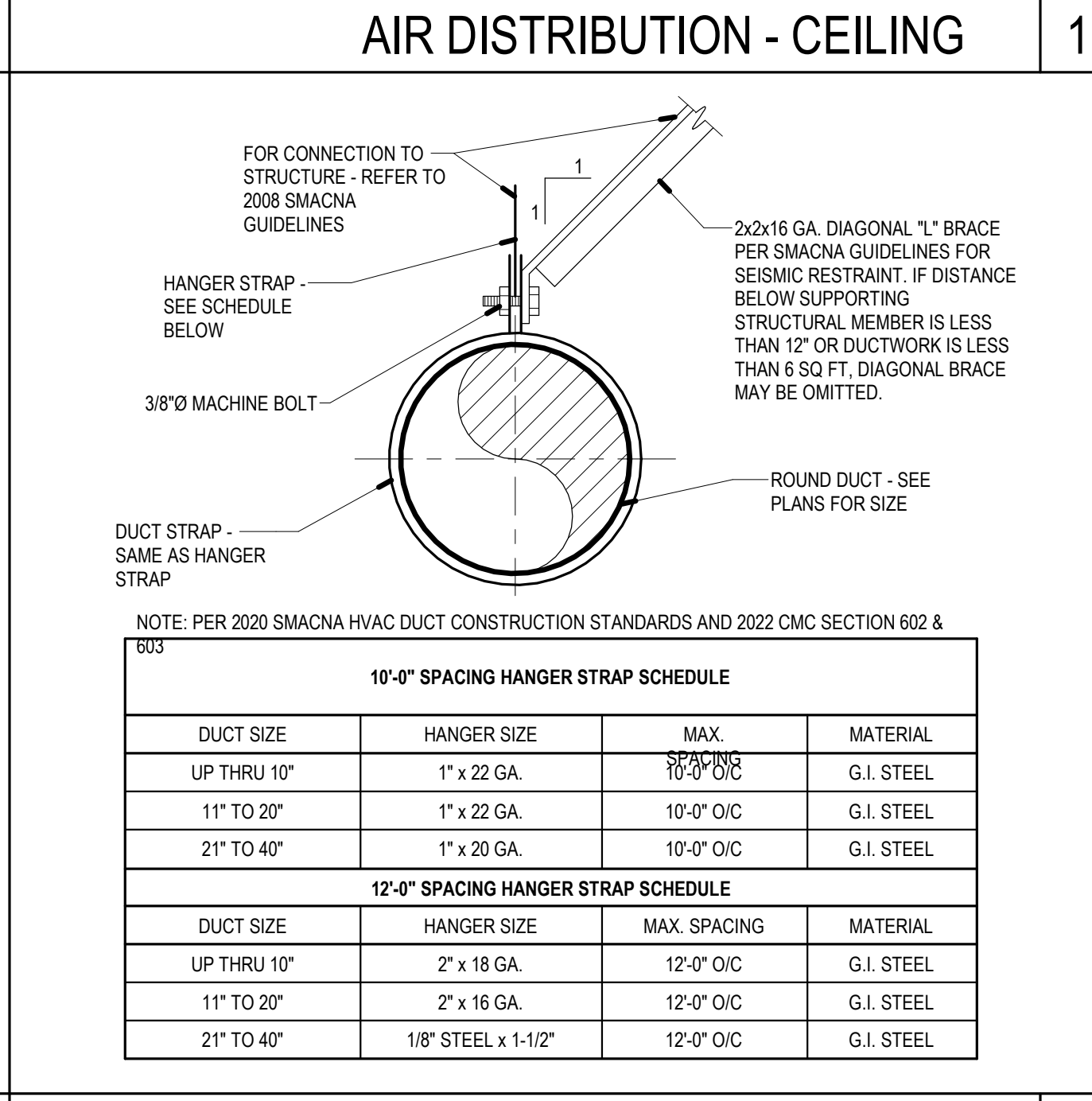
EXHAUST FAN MOUNTING



AIR DISTRIBUTION - CEILING



EXHAUST FAN CONTROL DIAGRAM

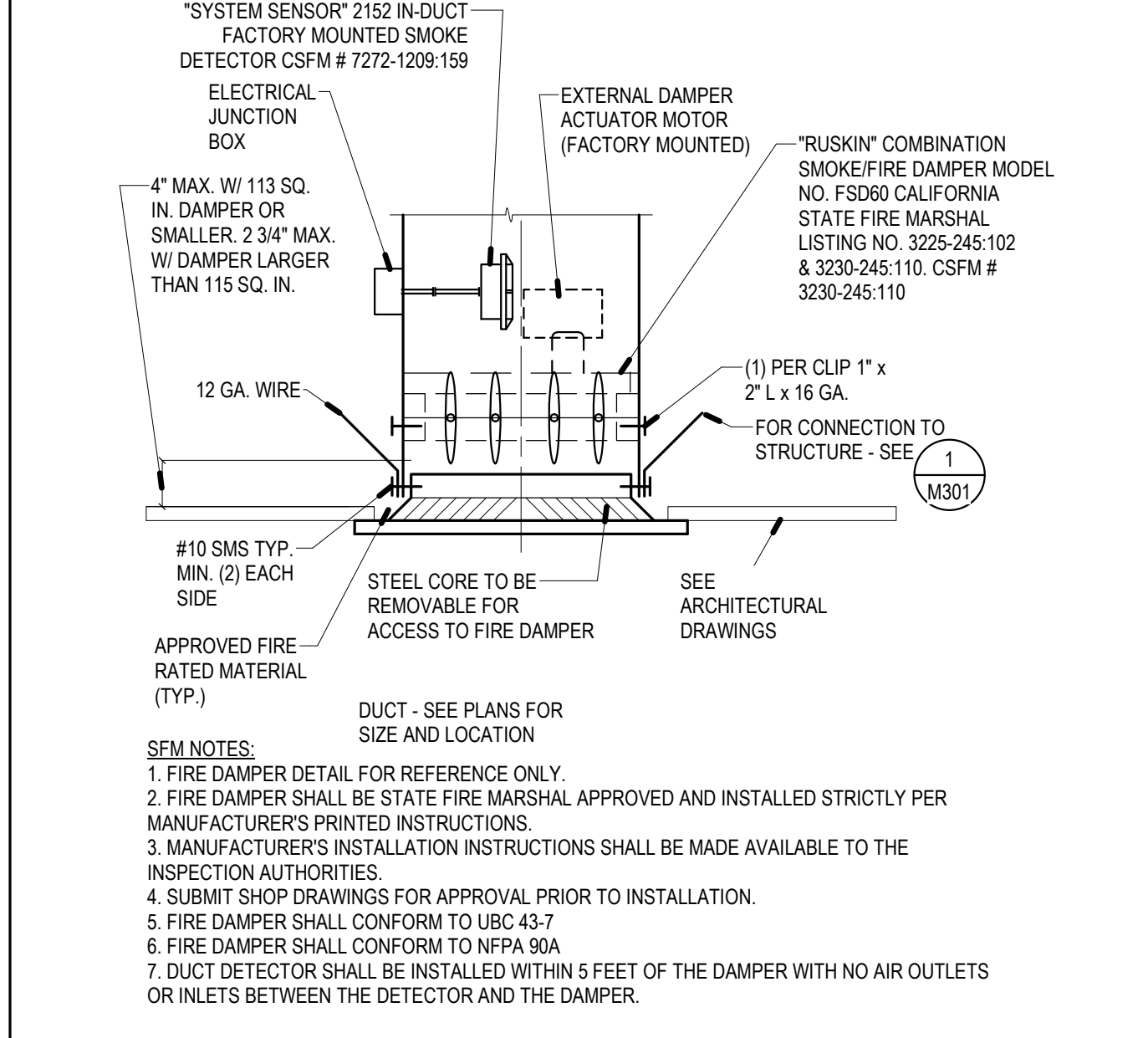


ROUND DUCT SUPPORT

| RECTANGULAR | | DUCT | |
|-------------|-------|----------------------|-----------|
| DUCT SIZE | GAUGE | TRANSVERSE JOINT | BRACING |
| UP TO 12" | 26 | DD, SS | NONE |
| 13" TO 18" | 24 | DD, SS | NONE |
| 19" TO 30" | 24 | DD, SS | NONE |
| 31" TO 42" | 22 | 1" PS OR BS | 1x1x1-1/8 |
| 43" TO 54" | 22 | 1-1/2" STANDING SEAM | 1.5x1.5 |
| ROUND | | TRANSVERSE JOINT | BRACING |
| DUCT SIZE | GAUGE | | |
| UP TO 9" | 26 | 2" SLIP | NONE |
| 10" TO 14" | 24 | 4" SLIP | NONE |
| 14" TO 23" | 22 | 4" SLIP | NONE |
| 24" TO 30" | 22 | 4" SLIP | 1x1x1-1/8 |

NOTE:
1. PER SMACNA-2020 HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE, 3RD EDITION AND 2022 CMC.
2. LOW PRESSURE DUCT CONSTRUCTION: GAUGES, TRANSVERSE JOINTS, SPACING OF JOINTS AND INTERMEDIATE BRACING SHALL BE AS TABULATED ABOVE. IN WHICH TRANSVERSE JOINTS ARE SHOWN SS FOR S-STOP, DS FOR DRIVE SLIP, PS FOR POCKET SLIP, AND BS FOR BAR SLIP. PS AND BS LAPPED AND RIVETED AT CORNERS. INTERMEDIATE BRACING WHERE SHOWN MAY BE OMITTED IF DUCT SECTIONS OF FOUR FEET (4'-0") OR LESS ARE USED. MAXIMUM SPACING OF BRACING - FOUR FEET (4'-0").

DUCT CONSTRUCTION



CEILING FIRE DAMPER

GENERAL NOTES

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST CODE OF FEDERAL REGULATIONS (CFR), NATIONAL ELECTRICAL CODE EDITION AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
- ALL WORK IS NEW UNLESS NOTED OTHERWISE.
- ALL PANELS, SWITCHES, ETC. SHALL HAVE SUFFICIENT GUTTER SPACE AND LUGS IN COMPLIANCE TO UL REQUIREMENTS TO ACCOMMODATE CONDUCTORS SHOWN.
- WHERE WIRE SIZES ARE INDICATED ON PLANS, FOR INDIVIDUAL CIRCUITS, THE WIRE SIZE INDICATED SHALL APPLY TO THE COMPLETE CIRCUIT, UNLESS OTHERWISE NOTED.
- WHERE EXISTING CIRCUITS OR DEVICES ARE DEMOLISHED, MODIFIED, OR REUSED, ENSURE ALL EXISTING ELECTRICAL UTILIZATION DEVICES TO REMAIN ARE ENERGIZED UPON COMPLETION OF WORK.
- CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF MECHANICAL, PLUMBING AND OTHER EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO ANY WORK.
- CONTRACTOR SHALL EXTEND WIRING FROM ALL JUNCTION BOXES, SWITCHES, ETC. AND MAKE FINAL CONNECTION AS REQUIRED TO ALL BUILDING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.
- LOCATION OF LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR DOORS, INSTALL SWITCHES ON SIDE OPPOSITE TO DOOR HINGE. VERIFY FINAL HINGE LOCATION IN FIELD PRIOR TO ANY WORK.
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OR OTHER TRADES RELATING TO WORK TO VERIFY SPACE IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM AND MINIMUM CODE REQUIRED WORKING CLEARANCES AT ALL TIMES.
- CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WALL OUTLET BOXES FOR SWITCHES, BELLSTROBES, FIRE ALARM PULL STATIONS, RECEPTACLES ETC. WITH CABINETS, FURNITURE, EQUIPMENT ETC., TO AVOID CONFLICT.
- WHERE ELECTRIC MOTORS OR HEATERS ARE INSTALLED IN HUNG CEILINGS, PROVIDE DISCONNECT SWITCH IN HUNG SEPARATE CONDUIT FOR EACH HOMERUN INDICATED ON THE DRAWING, UNLESS INDICATED OTHERWISE.
- NOT MORE THAN THREE LIGHTING OR CONVENIENCE OUTLET CIRCUITS ARE PERMITTED IN ONE CONDUIT, PROVIDE SEPARATE CONDUIT FOR EACH HOMERUN INDICATED ON THE DRAWING, UNLESS INDICATED OTHERWISE.
- PROVIDE PULL BOXES WHEREVER NECESSARY TO FACILITATE PULLING OF CONDUCTORS. COORDINATE LOCATIONS OF BOXES WITH OTHER TRADES TO AVOID CONFLICT. PULL BOXES SHALL BE ACCESSIBLE. THE SIZE OF PULL BOX SHALL COMPLY WITH N.E.C. REQUIREMENTS.
- OUTLET BOXES FOR FIXTURES RECESSED IN HUNG CEILING SHALL BE ACCESSIBLE THROUGH OPENING CREATED BY REMOVAL OF FIXTURES.
- SEE MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATION FOR ADDITIONAL CONNECTION REQUIREMENTS TO CONTROL PANELS, CONTROL TRANSFORMERS, POWER FOR CONTROL SYSTEM EP AND PE SWITCHES, TIME CLOCKS, VALVES, STAT'S, RELAYS, DUCT SMOKE DETECTOR LOCATIONS, ETC. INDICATED ON CONTR. WIRING DIAGRAMS. ELECTRICAL CONTRACTOR SHALL VERIFY FINAL CONTROL WIRING REQUIREMENTS WITH MECHANICAL AND PLUMBING CONTRACTORS PRIOR TO ANY WORK AND PROVIDE ALL NECESSARY DEVICES AND CONNECTIONS AS REQUIRED.
- NO CONDUIT RUNS SHALL BE ALLOWED IN CONCRETE SLABS. ALL CONDUITS WILL BE PLACED ABOVE ACCESSIBLE CEILING SPACES UNLESS SPECIFICALLY INDICATED TO BE UNDERGROUND.
- LIGHTING, POWER, TELEPHONE AND COMMUNICATIONS OUTLETS SHALL NOT BE PLACED BACK-TO-BACK.
- WHERE MORE THAN ONE LIGHT SWITCH OCCURS AT SAME LOCATION, SWITCHES SHALL BE MOUNTED IN A MULTIPLE GANG BOX UNDER A SINGLE COVER PLATE. PLATES WITH MORE THAN (3) LIGHT SWITCHES SHALL BE LABELED TO INDICATE THE LIGHT FIXTURES CONTROLLED.
- ALL ELECTRICAL POWER, LIGHTING, TELEPHONE OR SIGNAL WIRING IN FIRE RATED WALL IS TO BE INSTALLED IN A METALLIC CONDUIT SYSTEM.
- ALL ELECTRIC MATERIAL SHALL BE LISTED BY "UL" FOR THE TYPE OF APPLICATION AND "UL" LABEL SHALL APPEAR ON ALL ELECTRICAL EQUIPMENT.
- CONTACT UTILITY COMPANIES FOR SCOPE OF WORK PRIOR TO SUBMITTING BID, INCLUDE UTILITY CHARGES IF ANY.
- ALL DISTRIBUTION AND CONTROL EQUIPMENT (SUCH AS CB's, SWITCHES, CONTACTORS, ETC.), TERMINATIONS SHALL BE FULLY RATED PER UL AS FOLLOWS:
 - 100A OR LESS - 60°C OR MORE.
 - MORE THAN 100A - 75°C OR MORE.
- ANY ERRORS, OMISSIONS, OR DESIGN DISCREPANCIES ON PLANS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ELECTRICAL ENGINEER FOR CLARIFICATION OR CORRECTION PRIOR TO CONSTRUCTION AND REPARATION OF SUBMITTAL PACKAGES.
- CONDUCTORS SHALL HAVE UNDERWRITER'S LABORATORIES, INC. (UL) LISTED, 600 VOLT INSULATION OF TYPE SPECIFIED BELOW OR ELSEWHERE IN THE SPECIFICATIONS. CONDUCTORS SHALL BE COPPER AND LISTED FOR 90 DEGREE APPLICATIONS.
 - BRANCH CIRCUITS - LIGHTING AND POWER.
 - #10 AWG AND SMALLER, SOLID WIRE TYPE THW OR THHN/THWN-2, THW/THHN FOR DRY LOCATION (CNL).
 - #8 AWG TO #2 AWG, STRANDED TYPE THW OR THHN/THHW.
 - #1 AWG AND LARGER, STRANDED TYPE XHHW-2.
 - FEEDERS - TYPE THW OR THHN/THWN-2, OR XHHW-2.
- PROVIDE GREEN INSULATED GROUNDING CONDUCTOR IN EACH RACEWAY INCLUDING CONDUITS, PLUG STRIPS, WIREMOLD. SIZE OF GROUNDING SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE ARTICLE 250.
- WIRING METHOD SHALL BE EMT ABOVE GROUND AND MOUNTED IN CONCEALED SPACES AND SCHEDULE 40 PVC FOR UNDERGROUND INSTALLATION. USE RIGID WHEN ENCASED IN CONCRETE OR SUSCEPTIBLE TO DAMAGE.
- ALL SWITCH LOCATIONS ARE REQUIRED TO HAVE A NEUTRAL CONDUCTOR PROVIDED AT THE SWITCH LOCATION PER NEC 404.2(C).
- UNLESS OTHERWISE INDICATED, SHARING OF NEUTRAL/GROUNDED CONDUCTORS AMONG SINGLE PHASE BRANCH CIRCUITS OF DIFFERENT PHASES INSTALLED IN THE SAME RACEWAY IS NOT PERMITTED. PROVIDE DEDICATED NEUTRAL/GROUNDED CONDUCTOR FOR EACH INDIVIDUAL BRANCH CIRCUIT.
- UNLESS OTHERWISE INDICATED, PROVIDE A SEPARATE SWITCHED AND UNSWITCHED PHASE CONDUCTOR TO ALL CONTROLLED RECEPTACLES REGARDLESS OF RECEPTACLE CONFIGURATION.
- BASIS OF ELECTRICAL DESIGN LIMITS VOLTAGE DROP TO 2% FOR FEEDERS AND 3% FOR BRANCH CIRCUITS. ANY CHANGES MADE IN THE FIELD SHALL LIMIT VOLTAGE DROP TO THESE PERCENTAGES.
- BRANCH CIRCUIT CONDUITS SHALL BE CONCEALED IN WALL OR CEILING SPACES. EXPOSED CONDUITS ARE NOT ALLOWED WHERE CONCEALED METHODS ARE AVAILABLE.
- CONTRACTOR SHALL PROVIDE CONDUCTORS AND CONDUITS REQUIRED FOR ALL BRANCH CIRCUITS AND FEEDERS. FOR CIRCUIT SIZES NOT SHOWN, REFER TO PANEL SCHEDULES FOR CONDUCTOR AND CONDUIT SIZES.
- REFER TO LIGHTING CONTROL DETAILS FOR WIRING AND CONDUIT REQUIREMENTS. CONTRACTOR SHALL PROVIDE ALL WIRING AND CONDUITS REQUIRED BY MANUFACTURER TO FIXTURES AND CONTROLS.
- THE CONTRACTOR SHALL COORDINATE THE WORK WITH OTHER TRADES. ANY COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE CONTRACT DOCUMENTS, SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERRUPTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
- EXACT ROUTING METHOD AND LOCATION OF CONDUIT PENETRATION AND OPENINGS IN WOOD ROOF DECKS, WALL, FLOORS OR STRUCTURAL STEEL MEMBERS SHALL BE DETERMINED BY THE CONTRACTOR IN FIELD. PERFORM CORING, SAWCUTTING, PATCHING AND REFINISHING OF EXISTING WALLS AND SURFACES WHEREVER IT IS NECESSARY TO PENETRATE. OPENINGS SHALL BE SEALED IN AN APPROVED METHOD TO MEET THE FIRE RATING AND WATER PROOFING REQUIREMENTS OF THE PARTICULAR WALL, FLOOR OR CEILING. ALL FIRE SEALS SHALL BE UL APPROVED. CONTRACTOR SHALL SCAN ALL CONCRETE WALLS AND SLABS FOR THE PRESENCE OF REBAR AND/OR UTILITIES PRIOR TO DRILLING OR CUTTING IF CONCRETE WORK IS INVOLVED. CONTRACTOR SHALL PROVIDE CERTIFICATION OF CALIBRATION OF CONCRETE SCANNING EQUIPMENT PRIOR TO PERFORMING WORK.
- ALL 125 AND 250-VOLT, 15- AND 20-AMPERE NON-LOCKING TYPE RECEPTACLES SHALL BE LISTED TAMPER RESISTANT RECEPTACLES IN AREAS SPECIFIED IN NEC 408.12.
- ALL 125-VOLT THROUGH 250-VOLT RECEPTACLES SUPPLIED BY SINGLE-PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 50 AMPERES OR LESS, AND ALL RECEPTACLES SUPPLIED BY THREE-PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 100 AMPERES OR LESS, INSTALLED IN THE LOCATIONS SPECIFIED BELOW SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL AND ANY OTHER AREAS SPECIFIED IN NEC 210.8
 - BATHROOMS
 - KITCHENS OR AREAS WITH A SINK AND PERMANENT PROVISIONS FOR EITHER FOOD PREPARATION OR COOKING
 - ROOFTOPS
 - OUTDOORS
 - SINKS WHERE RECEPTACLES ARE INSTALLED WITHIN 6 FT FROM THE TOP
 - INDOOR DUMP AND WET LOCATIONS
 - LOCKER ROOMS WITH ASSOCIATED SHOWERING FACILITIES
 - CHANGES, ACCESSORY BUILDINGS, SERVICE BAYS, AND SIMILAR AREAS OTHER THAN VEHICLE EXHIBITION HALLS AND SHOWROOMS
 - CRAWL SPACES — AT OR BELOW GRADE LEVEL
 - UNFINISHED AREAS OF BASEMENTS
 - LAUNDRY AREAS
 - BATH TUBS AND SHOWER STALLS — WHERE RECEPTACLES ARE INSTALLED WITHIN 6 FT OF THE OUTSIDE EDGE OF THE BATH TUB OR SHOWER WALL

ABBREVIATIONS

| | | | |
|------------|--------------------------------------|---------|--|
| A | AMPERE | MH | MANHOLE / METAL HAIDE |
| AF | AMPERE FRAME RATING | MLO | MAIN LUGS ONLY |
| AFC | AVAILABLE FAULT CURRENT | MM | METER AND MAIN SECTION |
| AFF | ABOVE FINISHED FLOOR | MV | MEDIUM VOLTAGE |
| AFG | ABOVE FINISHED GRADE | NC | NORMALLY CLOSED |
| AFU | AMPERE FUSE RATING (FUSE) | NEC | NATIONAL ELECTRICAL CODE |
| AIC | AMPERE INTERRUPTING CAPACITY | NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION |
| AS | AMPERE SWITCH RATING (FUSE) | NEW (N) | NEW, TO BE FURNISHED AND INSTALLED BY CONTRACTOR |
| AT | AMPERE TRIP RATING (CIRCUIT BREAKER) | NE | NON-FUSED |
| AWG | AMERICAN WIRE GAUGE | NIC | NOT IN CONTRACT |
| BCG | BARE COPPER GROUND | NIL | NIGHT LIGHT |
| BKBD | BACKBOARD | NO | NUMBER, NORMALLY OPEN |
| BLDG | BUILDING | NTS | NOT TO SCALE |
| BKR | BREAKER | OC | ON CENTER |
| C | CONDUIT | OD | OUTSIDE DIAMETER |
| CB | CIRCUIT BREAKER | PB | PULL BOX |
| CKT | CIRCUIT | PF | POWER FACTOR |
| CFSD | COMBINATION FIRE SMOKE DAMPER | PNL | PANEL |
| CO | CONDUIT ONLY | POC | POINT OF CONNECTION |
| CONC | CONCRETE | PP | POWER POLE |
| CT | CURRENT TRANSFORMER | PWR | POWER |
| CU | COPPER | PVC | POLYVINYL CHLORIDE |
| CL | CENTERLINE | QUAD | QUADRUPEX |
| DISC | DISCONNECT | QTY | QUANTITY |
| DSBN | DISTRIBUTION SECTION | RGS | RIGID GALVANIZED STEEL |
| DN | DOWN | RMC | RIGID METALLIC CONDUIT |
| DWG | DRAWING | RM | ROOM |
| EA | EACH | RNC | RIGID NONMETALLIC CONDUIT |
| EC | ELECTRICAL CONTRACTOR | SHT | SHEET |
| EM | EMERGENCY | SN | SOLID NEUTRAL |
| EMT | ELECTRICAL METALLIC TUBING | SPEC | SPECIFICATIONS |
| EPO | EMERGENCY POWER OFF | SW | SWITCH |
| EXIST, (E) | EXISTING | SWBD | SWITCHBOARD |
| EXO | EXTERNAL OPERABLE DISCONNECT | TC | TIME CLOCK |
| F | FUSE | TEL | TELEPHONE |
| FA | FIRE ALARM | TERM | TERMINAL |
| FACP | FIRE ALARM CONTROL PANEL | TP | TEMPORARY POLE |
| FF | FINISHED FLOOR | TP | TYPICAL |
| FG | FINISHED GRADE | UGPS | UNDERGROUND PULL SECTION |
| FLA | FULL LOAD CURRENT | UL | UNDERWRITERS LABORATORY |
| GEC | GROUNDING ELECTRODE CONDUCTOR | UPS | UNINTERRUPTIBLE POWER SUPPLY |
| GEN | GENERATOR | UCN | UNLESS OTHERWISE NOTED |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER | V | VOLT, VOLTAGE |
| GFP | GROUND FAULT PROTECTION | VA | VOLT-AMPERE |
| GND | GROUND | VD | VOLTAGE DROP |
| HD | HEAVY DUTY | VFC | VARIABLE FREQUENCY CONTROLLER |
| HOA | HAND-OFF-AUTOMATIC | VFD | VARIABLE FREQUENCY DRIVE |
| HP | HORSE POWER | WH | WATT |
| HV | HIGH VOLTAGE | WH | WATT-HOUR |
| IDF | INTERMEDIATE DISTRIBUTION FRAME | WP | WEATHER-PROOF |
| IG | ISOLATED/INSULATED GROUND | WW | WIRESWAY |
| ISC | SHORT CIRCUIT CURRENT AVAILABLE | XP | EXPLOSION PROOF |
| | IN RMS SYMMETRICAL AMPERES | Z | IMPEDANCE |
| J-BOX | JUNCTION BOX | 4W | FOUR-WIRE |
| KCMIL | THOUSAND CIRCULAR MILS | 3W | THREE-WIRE |
| KW | KILOWATT | SS | JUNCTION BOX |
| KV | KILO VOLT | | (4 11/16" SQUARED X2 1/8" DEEP) |
| KVA | KILO VOLT-AMPERE | Ø | DIAMETER, PHASE |
| LDC | LOCAL DISTRIBUTION CABINET | # | NUMBER |
| LDF | LOCAL DISTRIBUTION FRAME | °C | DEGREE CELSIUS |
| LCL | LONG CONTINUOUS LOAD | (F) | EXISTING DEVICE TO REMAIN |
| LFMC | LIQUID TIGHT FLEXIBLE METAL CONDUIT | (R) | REMOVE EXISTING DEVICE AND ASSOCIATED CONDUIT AND WIRE |
| LSIG | LONG, SHORT, INSTANTANEOUS, GROUND | (NL) | REMOVE EXISTING DEVICE AND RELOCATE AS SHOWN ON PLAN |
| LTG | LIGHTING | (NL) | NEW LOCATION OF RELOCATED DEVICE |
| LV | LOW VOLTAGE | | |
| MFR | MANUFACTURER | | |
| MAX | MAXIMUM | | |
| MCC | MOTOR CONTROL CENTER | | |
| MIN | MINIMUM | | |

GENERAL DEMOLITION NOTES

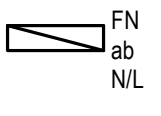

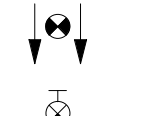
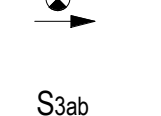

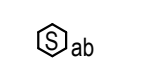
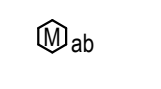
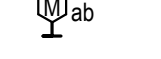
- THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND MAKE THEMSELVES COMPLETELY FAMILIAR WITH THE EXISTING INSTALLED CONDITIONS. A FIELD SURVEY VERIFICATION IS MANDATORY IN ORDER TO SUBMIT AN ELECTRICAL BID. FAILURE TO DO SO SHALL NOT RELIEVE THIS CONTRACTOR FROM PERFORMING THE WORK OF THIS CONTRACT.
- ALL EQUIPMENT OR WORK REQUIRED TO CARRY OUT THE DEMOLITION SCOPE OF WORK IS CONSIDERED TO BE PART OF THE CONTRACTOR SCOPE OF WORK. NO EXTRAS WILL BE CONSIDERED TO PERFORM THE REQUIRED WORK.
- THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM THE FACILITY DIRECTOR PRIOR TO THE SCHEDULING OF ANY POWER OUTAGE. SUCH PERMISSION MUST BE OBTAINED IN WRITING AND BE GRANTED AT LEAST 7 DAYS PRIOR TO ANY SCHEDULE SHUT DOWN. THE SHUT DOWN SHALL NOT EXCEED A DURATION OF 4 HOURS.
- THE CONTRACTOR SHALL NOT STORE ON SITE ANY ITEMS THAT WERE DEMOLISHED FOR ANY EXTENDED PERIOD OF TIME, WITHOUT THE WRITTEN PERMISSION OF THE CAMPUS FACILITY DIRECTOR.
- ALL ELECTRICAL ITEMS DESIGNATED AS EXISTING TO REMAIN SHALL AS PART OF THIS SCOPE OF WORK BE CLEANED AND TESTED, TO INSURE PROPER OPERATION. ANY ITEMS THAT FAIL TO PASS THE TEST SHALL BE BROUGHT TO THE ATTENTION OF THE FIELD INSPECTOR AND THE ENGINEER OF RECORD FOR RESOLUTION.
- THE CONTRACTOR SHALL REMOVE ALL EXISTING SWITCHBOARDS, DISTRIBUTION BOARDS, PANEL BOARDS, LIGHTING FIXTURES, CONDUITS, WIRES AND OTHERS DESIGNATED AS EXISTING TO BE REMOVED. DEMOLITION ITEMS, IF NOT REQUIRED TO BE SALVAGED BY OWNER, BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN AN APPROPRIATE MANNER.
- THE CONTRACTOR SHALL REMOVE ALL CONDUITS SERVING DEVICES WHICH ARE DESIGNATED AS EXISTING TO BE REMOVED, BACK TO THE SOURCE.
- DEMOLITION AND/OR REMOVAL OF ELECTRICAL EQUIPMENT IN AREAS TO BE REMODELED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- WHERE OUTLETS ARE REMOVED IN EXISTING WALL, REMOVE DEVICES, OUTLETS AND WIRING BACK TO PANELBOARD OR BACK TO NEAREST OUTLET WITH OTHER EXISTING LOAD TO REMAIN.
- WHERE EXISTING CONDUIT AND CONDUCTORS ARE TO BE REMOVED AND CONDUIT IS INSTALLED IN GROUND OR EMBEDDED IN CONCRETE, REMOVE WIRE AND CUT CONDUIT TO BELOW FLOOR, PLUG CONDUIT, PATCH FLOOR AND ABANDON CONDUIT.
- WHERE ELECTRICAL DEVICES ARE TO BE REMOVED, REMOVE ALL CONDUIT AND CONDUCTORS BACK TO SOURCE, TERMINAL CABINETS AND RACKS, PROVIDE BLANK COVER PLATE FOR ABANDONED JUNCTION BOXES.
- REMOVE ALL CONTROL PANELS, EQUIPMENT RACKS, PULL-BOXES, TERMINAL CABINETS, ETC. FOR SYSTEMS TO BE DEMOLISHED EXCEPT WHERE ANY OF THE EXISTING DEVICES, SYSTEMS, CONSOLES, ETC. ARE TO BE REUSED FOR UPGRADE.
- PROVIDE BLANK COVER PLATE FOR ALL EMPTY OUTLET BOXES WHERE DEVICES AND/OR CONDUCTORS HAVE BEEN REMOVED AS PART OF THIS CONTRACT.
- AFTER REMOVAL OF WIREMOLD AND ASSOCIATED FITTINGS, PATCH, REPAIR AND PAINT AFFECTED SURFACES TO MATCH EXISTING.
- EXISTING CONDUIT CAN BE REUSED PROVIDING IT IS CODE COMPLIANT. IS CHECKED FOR CONTINUITY OF GROUND, CLEAN AND WANDREL, AND DOES NOT INTERFERE WITH NEW CONSTRUCTION.
- REMOVALS AND REPAIRS TO EXISTING ELECTRICAL WORK REQUIRED TO AVOID CONFLICTS WITH NEW CONSTRUCTION TO MEET MINIMUM CODE REQUIREMENTS.

NOTE TO CONTRACTOR

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.

LIGHTING LEGEND AND SYMBOLS

| SYMBOL | DESCRIPTION |
|---|---|
|  | 1'x4' RECESSED LUMINAIRE. FN INDICATES LUMINAIRE TYPE - REFER TO LUMINAIRE SCHEDULE. TYPICAL. SUBSCRIPT 2ab REFERS TO CIRCUIT AND SWITCH LEG 'a' AND 'b'. SUBSCRIPT NL REFERS TO UNSWITCHED LEG. |
|  | 2'x4' RECESSED FLUORESCENT LUMINAIRE WITH 90MIN. EMERGENCY BATTERY BACKUP |
|  | SURFACE MOUNTED DOUBLE FACE EXIT SIGN (UNIVERSAL ARROWS INDICATED AS NEEDED) |
|  | SURFACE MOUNTED SINGLE FACE EXIT SIGN (UNIVERSAL ARROWS INDICATED AS NEEDED) |
|  | SWITCH, SINGLE POLE 20A, MOUNTED 48" A.F.F. TO TOP OF DEVICE. SUBSCRIPTS INDICATE THE FOLLOWING: M - MOTOR RATED 3 - THREE WAY 4 - FOUR WAY K - KEY OPERATED D - DIMMER SWITCH T - TIMED SWITCH |
|  | LOW-VOLTAGE DIMMER SWITCH, MOUNTED 48" A.F.F. TO TOP OF DEVICE. a, b, c, ETC. - DESIGNATES SWITCH-LEGS CONTROLLED AND QUANTITY OF SWITCHES AT EACH LOCATION. |
|  | LOW-VOLTAGE OCCUPANCY SENSOR, DUAL-TECHNOLOGY, SURFACE CEILING MOUNTED INTERCONNECTED TO NETWORK LIGHTING CONTROLS. |
|  | COMBINATION DIMMING SWITCH AND LOW-VOLTAGE OCCUPANCY SENSOR, DUAL-TECHNOLOGY, WALL MOUNTED 48" A.F.F. TO TOP OF DEVICE INTERCONNECTED TO NETWORK LIGHTING CONTROLS. |


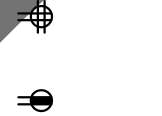

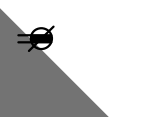
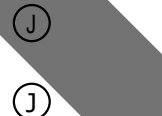
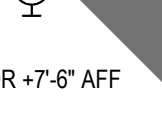




APPLICABLE CODES

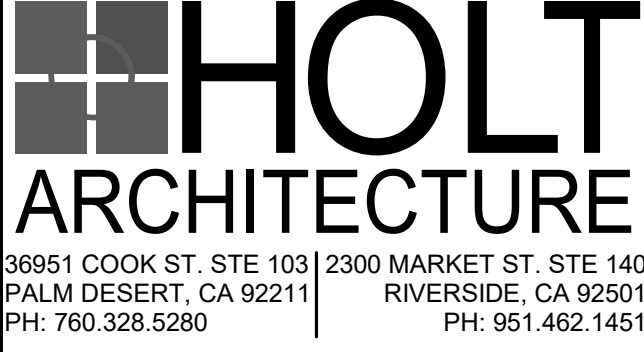
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- 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (CBC WITH AMENDMENTS)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (NEC WITH AMENDMENTS)
- 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (UMC WITH AMENDMENTS)
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (UPC WITH AMENDMENTS)
- 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (IFC WITH AMENDMENTS)
- 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
- TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- 2022 CALIFORNIA ENERGY CODE (PART 6, TITLE 24 C.C.R.)
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSG), PART 11, TITLE 24 C.C.R.

ELECTRICAL SHEET INDEX

| SHEET NUMBER | SHEET NAME |
|--------------|----------------------------|
| E001 | ELECTRICAL LEGENDS & NOTES |
| E002 | LUMINAIRE SCHEDULE |
| E101 | ELECTRICAL SITE PLAN |
| E200 | POWER & SIGNAL PLAN |
| E300 | LIGHTING REMODEL PLAN |
| E400 | ELECTRICAL DETAILS |
| E1200 | ELECTRICAL DEMOLITION PLAN |

POWER LEGEND AND SYMBOLS

| SYMBOL | DESCRIPTION |
|---|---|
|  | SUBSCRIPT 'A-1' REFERS TO PANEL DESIGNATION WITH CIRCUIT NUMBER. TYPICAL OF ALL RECEPTACLE OUTLETS. DUPLEX RECEPTACLE OUTLET, CONVENIENCE, (20 AMPS, 125 VOLTS) MOUNTED -15" A.F.F. TO BOTTOM OF DEVICE U.O.N. |
|  | DOUBLE DUPLEX RECEPTACLE OUTLET, CONVENIENCE, (20 AMPS, 125 VOLTS) MOUNTED -15" A.F.F. TO BOTTOM OF DEVICE U.O.N. |
|  | DUPLEX RECEPTACLE OUTLET, CONVENIENCE, (20 AMPS, 125 VOLTS, GFCI TYPE) MOUNTED -15" A.F.F. TO BOTTOM OF DEVICE U.O.N. |
|  | DUPLEX RECEPTACLE OUTLET, CONVENIENCE, (20 AMPS, 125 VOLTS) WITH MOUNTING HEIGHT HORIZONTALLY ABOVE COUNTER TOP PER ARCHITECTURAL PLANS OR APPROVAL. |
|  | DUPLEX RECEPTACLE OUTLET, CONVENIENCE, (20 AMPS, 125 VOLTS, GFCI TYPE) WITH MOUNTING HEIGHT HORIZONTALLY ABOVE COUNTER TOP PER ARCHITECTURAL PLANS OR APPROVAL. |
|  | ABOVE CEILING, CONCEALED, JUNCTION BOX, WITH COVER, PER NATIONAL ELECTRICAL CODE (NEC) TABLE 370-4(a), 4" SQUARE DEEP, WITH PLASTER RING |
|  | RECESSED WALL MOUNTED JUNCTION BOX, WITH COVER, PER NATIONAL ELECTRICAL CODE (NEC) TABLE 370-4(a), 4" SQUARE DEEP, WITH PLASTER RING |
|  | MAINTAIN HEIGHT FROM FINISHED FLOOR TO CENTERLINE OF OUTLET OR EQUIPMENT, FOR LIGHT FIXTURES, IT IS TO BOTTOM OF FIXTURE. |
|  | DETAIL REFERENCE |
|  | EQUIPMENT REFERENCE |



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STAMPS:



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SHERIFF'S CRIME LAB

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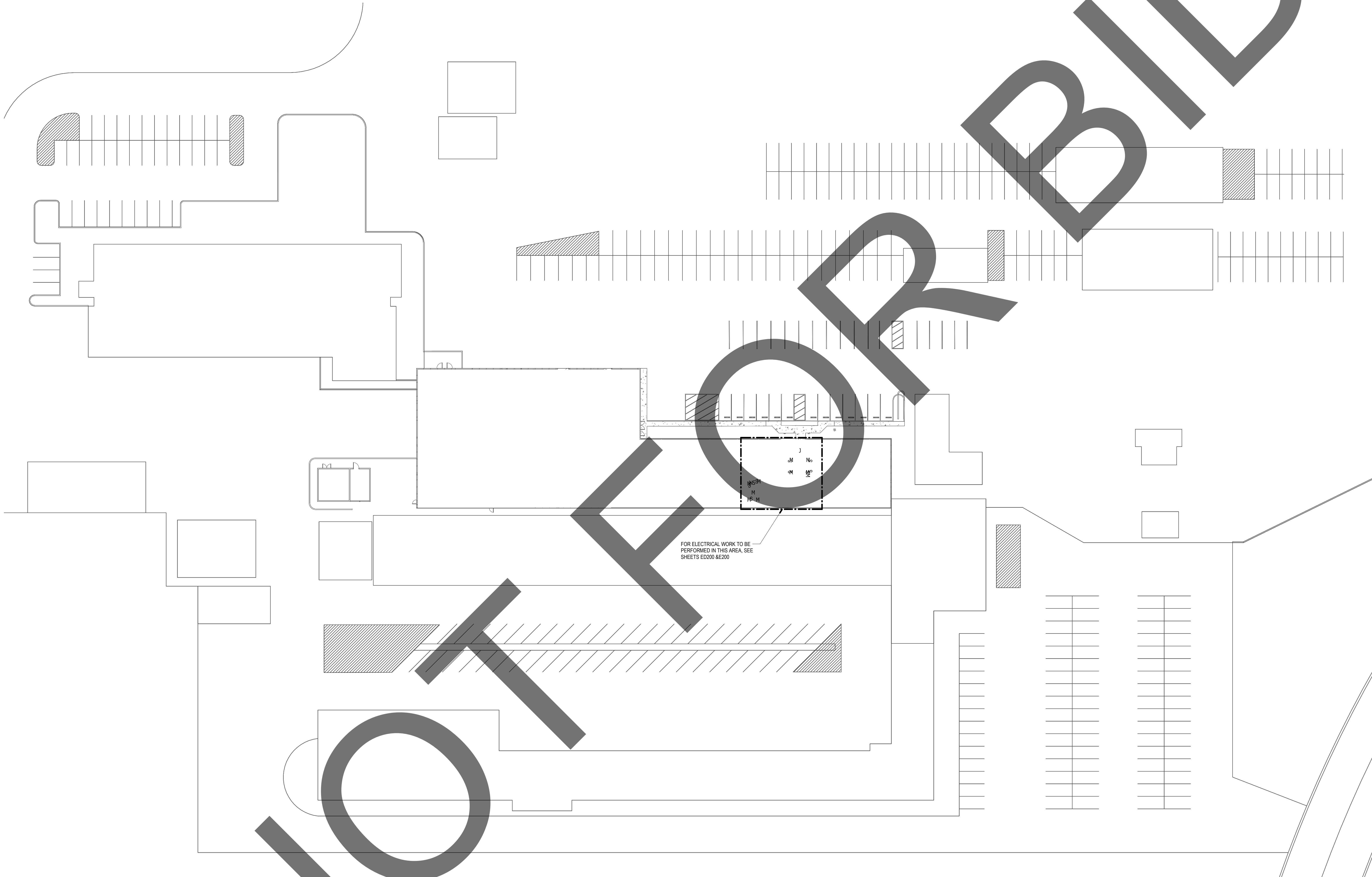
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ELECTRICAL
LEGENDS &
NOTES

SHEET NO.:

E001

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FOR ELECTRICAL WORK TO BE
PERFORMED IN THIS AREA, SEE
SHEETS E000 & E200



ELECTRICAL REMODEL SITE PLAN

SCALE: 1" = 30'-0"

1

CONSULTANT:



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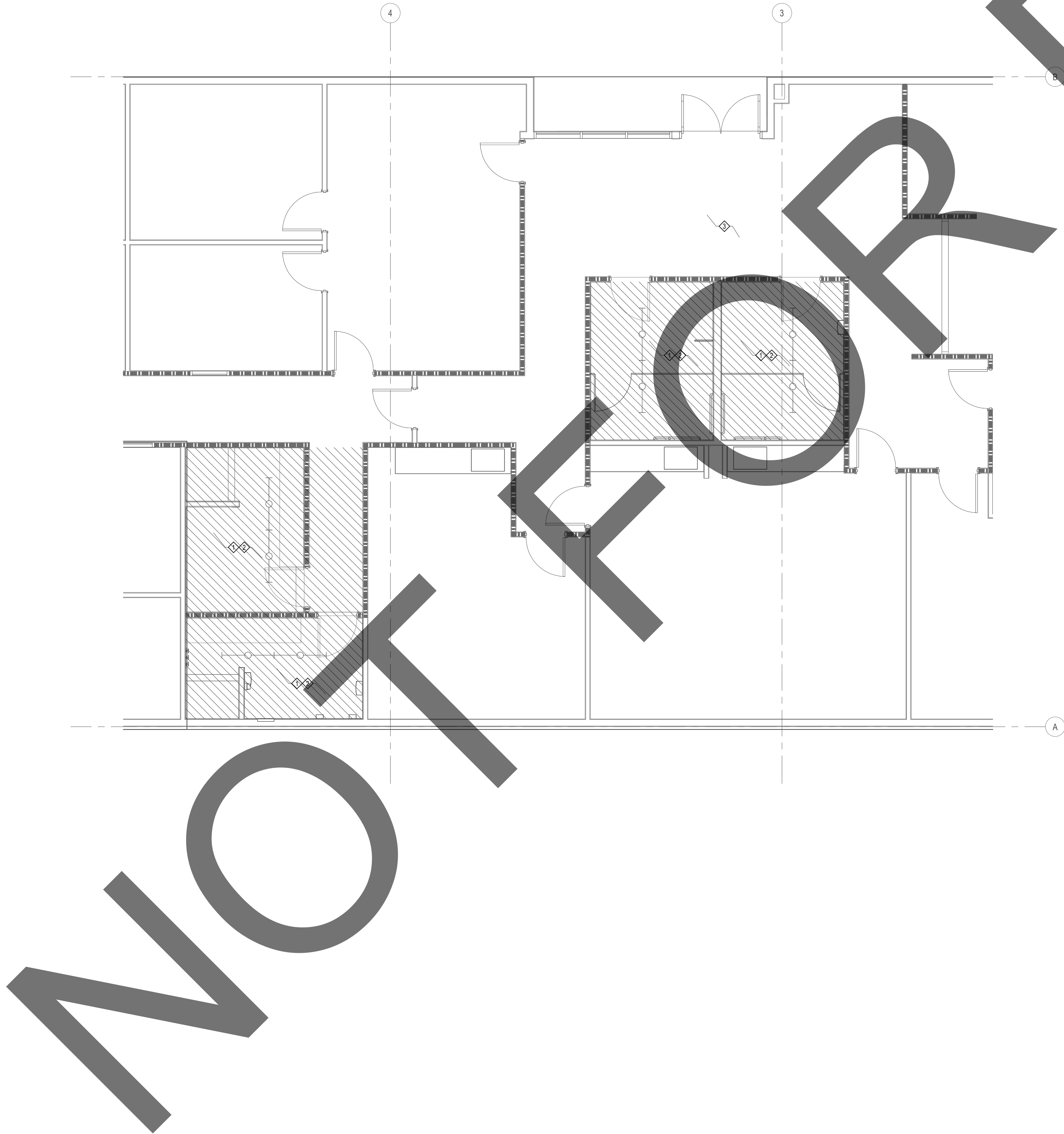
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SHEET TITLE:

**ELECTRICAL SITE
PLAN**

SHEET NO.:

E101



ELECTRICAL DEMOLITION PLAN

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

GENERAL NOTES

1. REFER TO ELECTRICAL LEGENDS AND NOTES SHEET FOR ADDITIONAL DEMOLITION NOTES.
2. CONTRACTOR IS TO USE EXTREME CAUTION WHEN STARTING THE DEMOLITION WORK. THERE ARE MULTIPLE SERVICES FEEDING THIS WORK AREA. CONTRACTOR SHALL MAKE THEIR DUE DILIGENCE IN SOURCE TRACING ALL EXISTING EQUIPMENT, DISCONNECTS AND CIRCUITS ENTERING AND LEAVING THIS AREA. CONTRACTOR SHALL LABEL ALL CONDUITS WITH THEIR SOURCE LOCATION IF CONDUITS ARE TO REMAIN. ANY CIRCUITS BEING REMOVED SHALL HAVE ITS SOURCE CORRECTLY LABELED AS 'SPARE' AND SAFE-OFF CIRCUIT BREAKER. ANY CIRCUITS THAT REMAIN ARE TO BE REDLINED AND ADDED TO AS-BUILTS.

DEMOLITION NOTES

- ◆ CONTRACTOR IS TO DEMOLISH ALL EXISTING LUMINAIRES AND ASSOCIATED LIGHT SWITCHES IN AREA. REMOVE CONDUIT AND CONDUCTORS BACK TO NEAREST JUNCTION BOX AND BE SAFFED OFF FOR REUSE IN REMODEL PHASE.
- ◆ EXISTING RECEPTACLES IN AREA TO BE DEMOLISHED. ALL ASSOCIATED CONDUIT AND CONDUCTORS' BACK TO NEAREST JUNCTION BOX AND BE SAFFED OFF FOR REUSE IN REMODEL PHASE.
- ◆ THE CEILING IN THIS AREA IS TO BE RECONFIGURED TO ALLOW FOR NEW CONSTRUCTION IN THE REMODEL PHASE. LUMINAIRES ARE TO BE SAVED FOR REUSE IN THE REMODEL PHASE. CONTRACTOR TO DETERMINE WITH THE HELP OF THE COUNTY CONSTRUCTION MANAGER IF THE EXISTING LUMINAIRES ARE VIALBE TO BE USED IN THE REMODEL PHASE.

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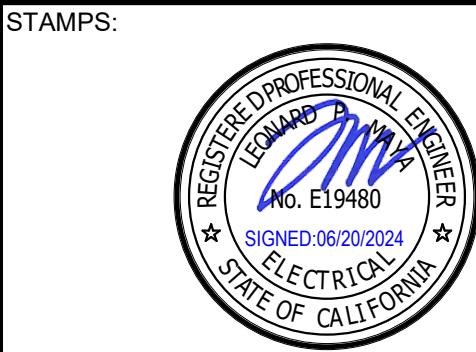
ARCHITECTURE

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SHERIFF'S CRIME LAB
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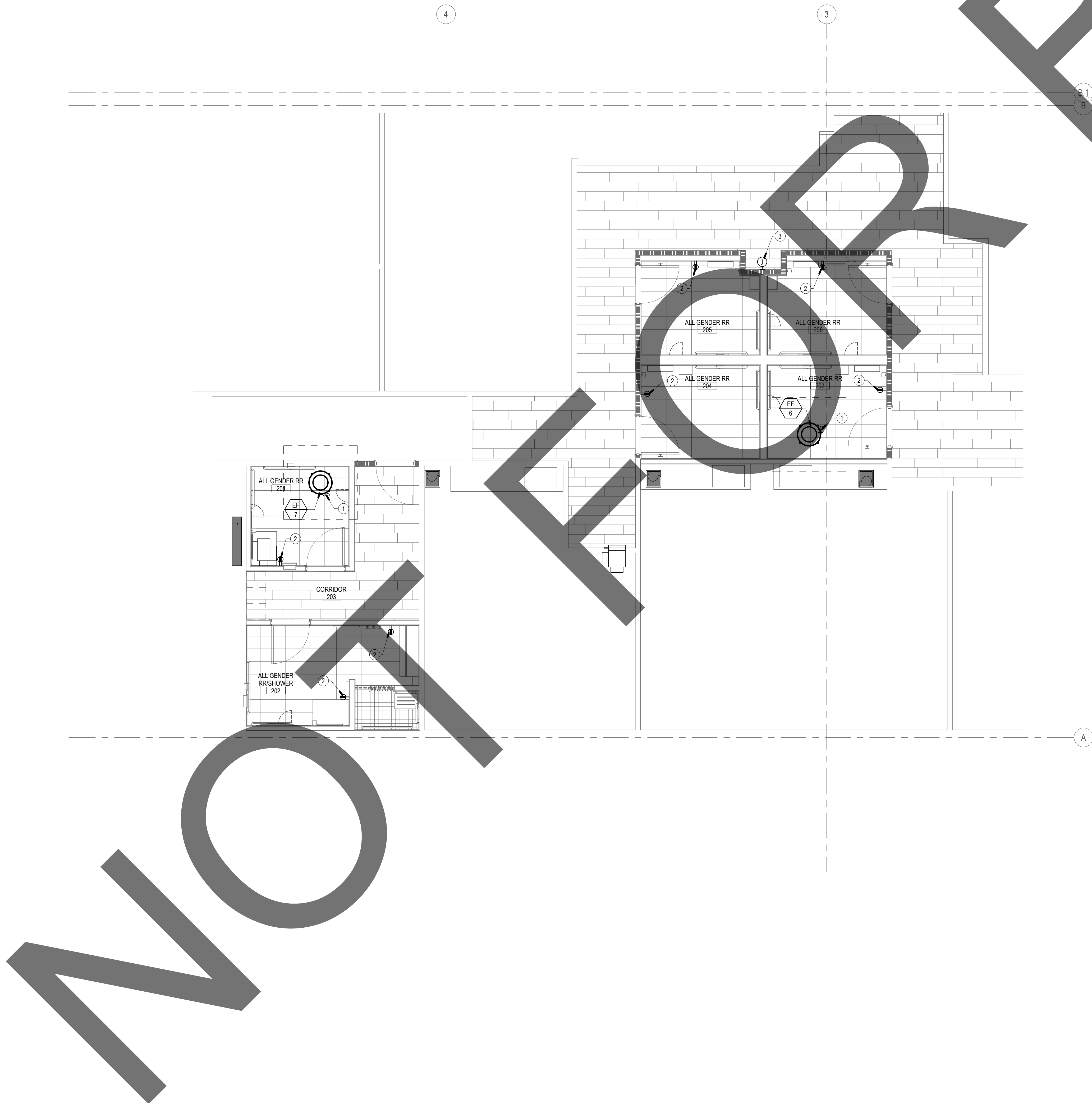
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SHEET TITLE:

ELECTRICAL
DEMOLITION PLAN

SHEET NO.:

ED200



POWER & SIGNAL PLAN

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

GENERAL NOTES

- COORDINATE POWER AND DATA DEVICE LOCATIONS, AND DEVICE PLATE COLOR WITH ARCHITECT.
- ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE NEMA 3R.

CONSTRUCTION NOTES

- PROVIDE AND INSTALL NEMA 3R MOTOR RATED SNAP SWITCH AND CONNECT TO PANEL 'LD', CIRCUIT 81.
- CONNECT RECEPTACLE TO EXISTING CIRCUIT REMAINING FROM DEMOLITION PHASE.
- CONNECT DRINKING FOUNTAIN TO PANEL 'LD', CIRCUIT 83.

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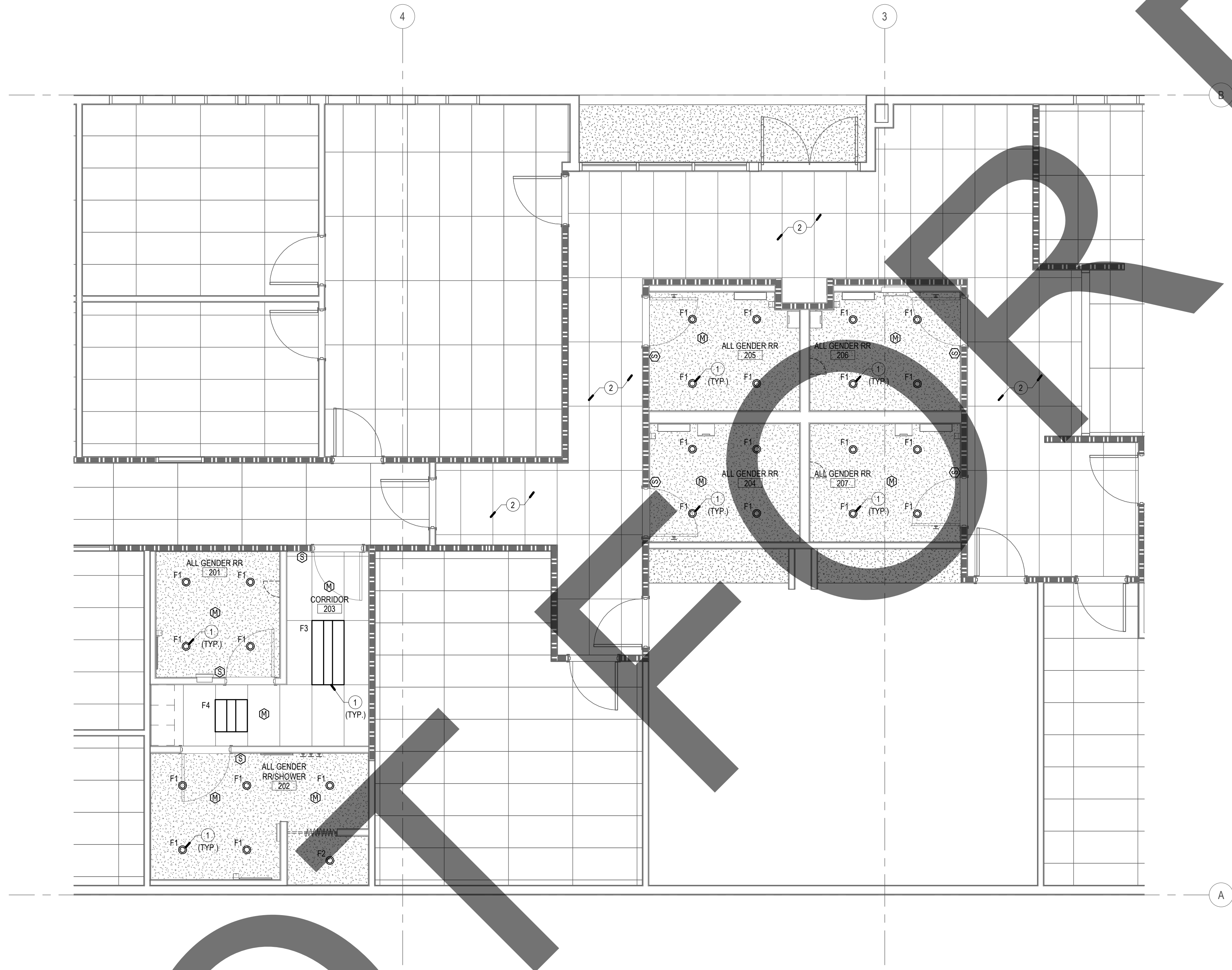
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SHEET TITLE:
POWER & SIGNAL
PLAN

SHEET NO.:
E200

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GENERAL NOTES

- COORDINATE LIGHT FIXTURE LOCATIONS AND LIGHT SWITCH LOCATIONS, COLOR, AND STYLE WITH ARCHITECT.
- WHERE OCCUPANCY SENSORS ARE SHOWN ON PLANS, VERIFY WATTAGE AND COVERAGE OF PRODUCT PROVIDED IS ADEQUATE FOR SPACE TO BE CONTROLLED. COVERAGE IS TO BE ADJUSTED TO AVOID ACCIDENTAL ACTIVATION OUTSIDE OF AREA. VERIFY WIRING REQUIREMENTS TO ADDITIONAL SENSORS, ROOM CONTROLLERS, RELAY PACKS, ETC WITH PRODUCT BEING PROVIDED. OCCUPANCY SENSORS SHALL NOT BE LOCATED WITHIN FOUR FEET OF ANY HVAC DIFFUSER.
- REFER TO LIGHTING CONTROL DETAILS FOR WIRING AND CONDUIT REQUIREMENTS. CONTRACTOR SHALL PROVIDE ALL WIRING AND CONDUITS REQUIRE BY MANUFACTURER TO FIXTURES AND CONTROLS.
- FINAL MOUNTING LOCATIONS OF ALL OCCUPANCY AND PHOTOCELL DEVICES SHALL COORDINATED WITH MANUFACTURERS RECOMMENDATIONS AND FIELD ADJUSTED WITH REPRESENTATIVE AS NECESSARY.

CONSTRUCTION NOTES

- CONNECT NEW LUMINAIRES TO EXISTING LIGHTING CIRCUIT REMAINING FROM DEMOLITION PHASE.
- IF NEW LIGHTING IS REQUIRED IN THIS AREA, TYPE F4 SHALL BE USED.

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LIGHTING
REMODEL PLAN

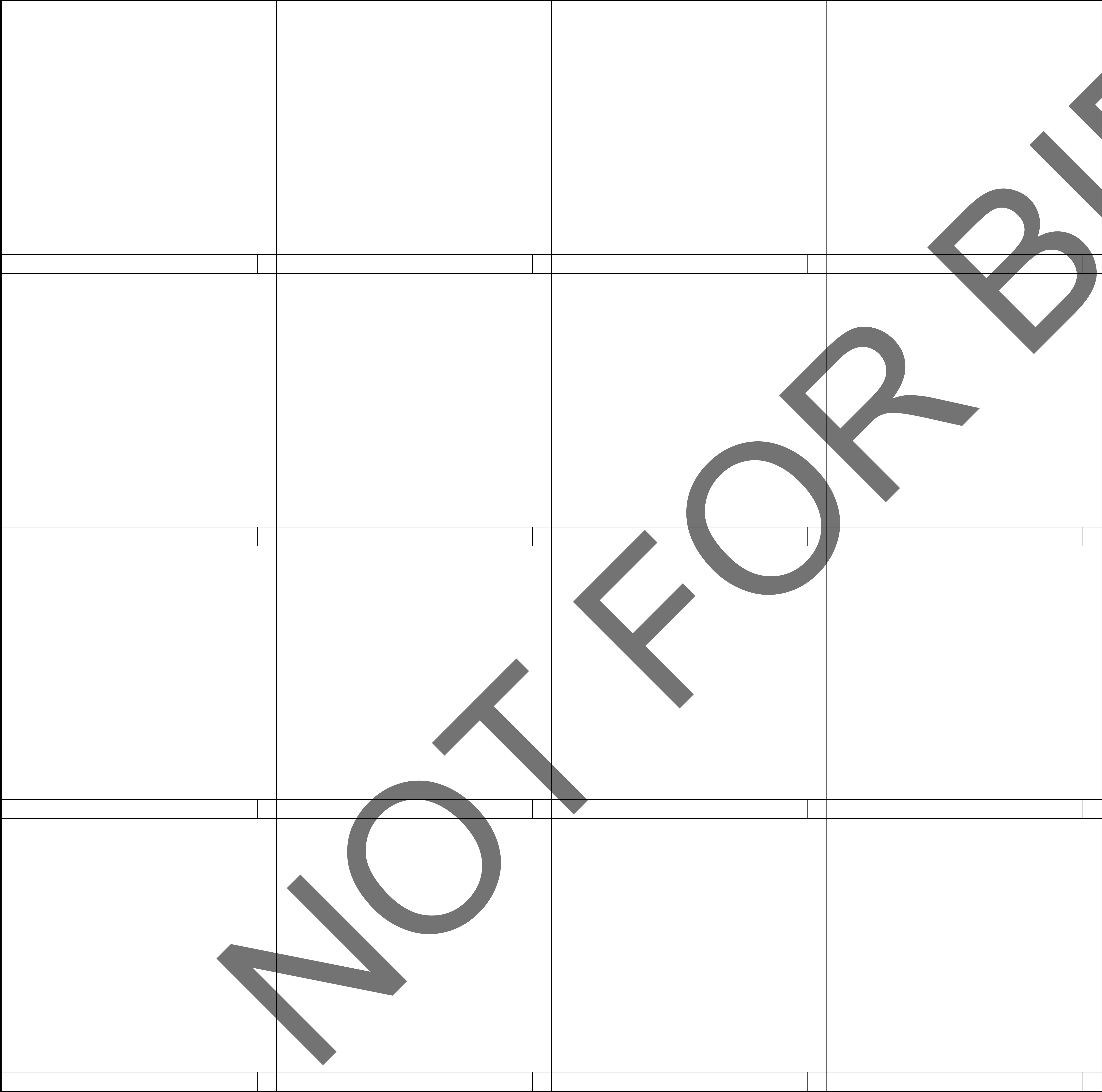
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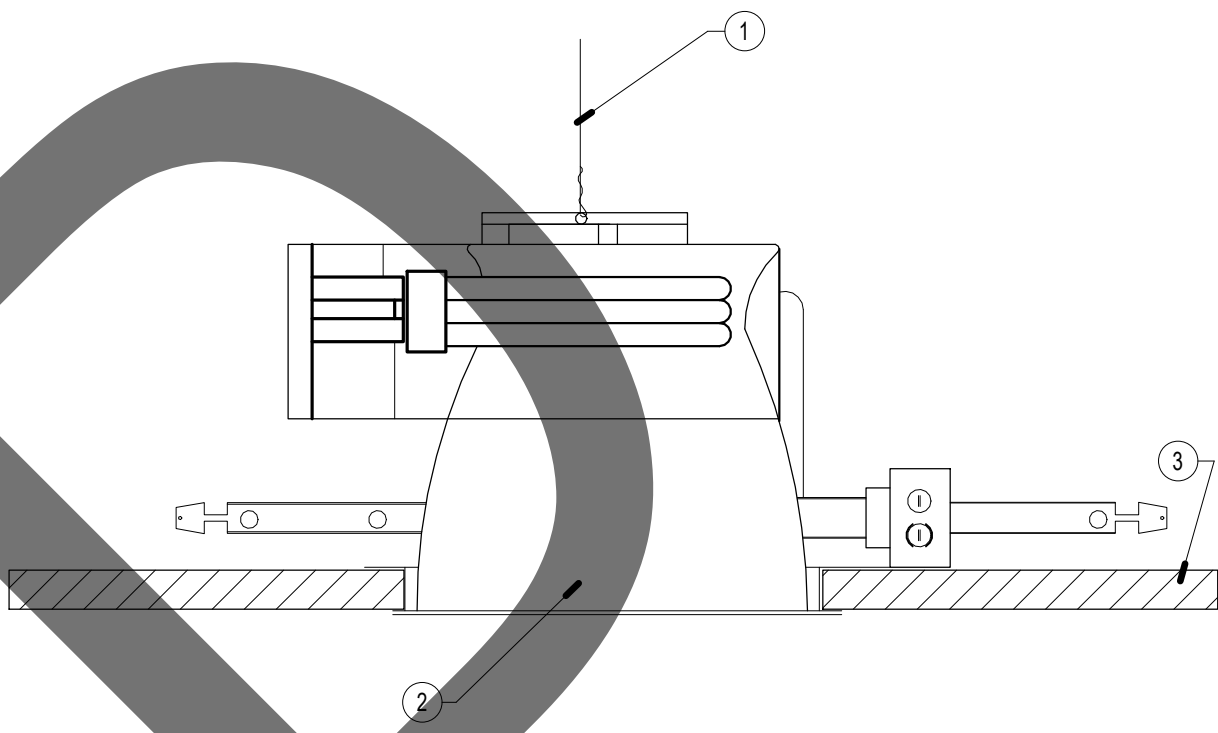
LIGHTING REMODEL PLAN

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

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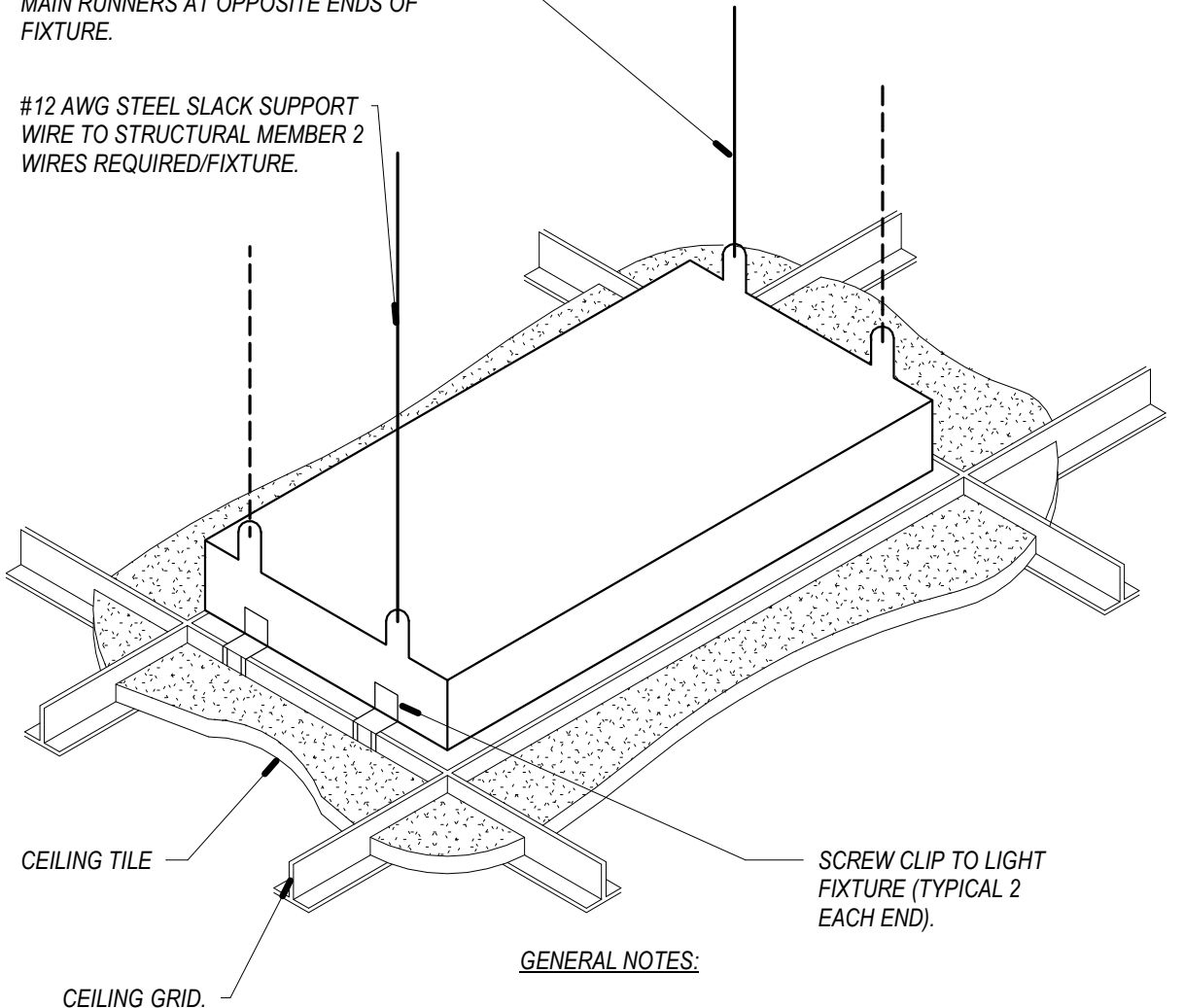


CONSTRUCTION NOTES:
① DENOTES FIXTURE SUPPORT WIRE (MINIMUM #10) FROM LUMINAIRE ATTACHED TO BUILDING STRUCTURE
② DENOTES RECESSED INCANDESCENT, FLUORESCENT OR H.I.D. DOWNLIGHT.
③ DENOTES CEILING BY OTHERS.

DOWNLIGHT FIXTURE IN CEILING1

NOTE: PROVIDE FIXTURE SUPPORT WIRES AT ALL 4 CORNERS OF FIXTURES IF FIXTURE DOES NOT REST ON TWO MAIN RUNNERS AT OPPOSITE ENDS OF FIXTURE.

#12 AWG STEEL SLACK SUPPORT WIRE TO STRUCTURAL MEMBER 2 WIRES REQUIRED/FIXTURE.



CEILING TILE

CEILING GRID.

SCREW CLIP TO LIGHT FIXTURE (TYPICAL 2 EACH END).

GENERAL NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR TYPE OF CEILING AND TILE SYSTEM.

LIGHTING FIXTURE SUSPENSION2



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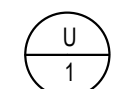


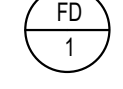

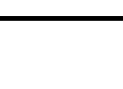



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PROJECT NO.: SBC.002

SHEET TITLE:
**ELECTRICAL
DETAILS**

SHEET NO.:
E400

16/305
ELEC

| PLUMBING FIXTURE SCHEDULE | | | | | | | |
|--|--|------------------|--------|--------|------|------|-------------------|
| TAG | SPECIFICATION | CONNECTION SIZE: | | | | | |
| | | WASTE | TRAP | VENT | CW | HW | ELEC. |
|  WC 1 | WATER CLOSET: KOHLER "HIGHCLIFF ULTRA" K-96057, ADA COMPLIANT, 16-3/8" HIGH RIM, (1.28 GPF) FLOOR MOUNTED, ELONGATED BOWL, SIFON, E.T., 1-1/2" TOP SPUD, WHITE VITREOUS CHINA. ZER6000AV-HET-CPM (1.28 GPF) SENSOR OPERATED BATTERY POWERED FLUSH VALVE. BENIS PLASTIC SEAT MODEL 30-215ST, ELONGATED, OPEN FRONT, STAIN & CHEMICAL RESISTANT. | 3" | INT. | 2" | 1" | - | BATTERY |
|  U 1 | URINAL: KOHLER "BARDON" K-4891 ET, ADA 17" HIGH RIM, (0.125 GPF), WALL HUNG, WHITE VITREOUS CHINA, 3/4" TOP SPUD. ZR6003AV-LUF-CPM (0.125 GPF) SENSOR OPERATED BATTERY POWERED FLUSH VALVE. JOSAM 1750 UR URINAL CARRIER FLOOR MOUNTED BEARING PLATE TYPE. | 2" | 2" | 1-1/2" | 3/4" | - | BATTERY |
|  L 1 | LAVATORY: KOHLER "CHESAPEAKE" K-1728, WHITE VITREOUS CHINA, WALL HUNG LAVATORY W/ FAUCET HOLES ON CENTERS. CHICAGO FAUCET EVR-A12A-8SABCP DECK MOUNTED SINGLE HOLE E-TRONIC TRADITIONAL SINK FAUCET WITH BATTERY OPERATED DUAL BEAM INFRARED SENSOR. CHICAGO FAUCET 131-ABNF-ECAST THERMOSTATIC MIXING VALVE SET TO 110°, W/ 0.35 GPM AERATOR. GRID STRAINER DRAIN W/ 1-1/2" CAST BRASS P-TRAP WITH CHROME FINISH, ANGLE STOPS W/ RIGID RISER. PROVIDE JOSAM 17000 SERIES WALL CARRIER. ON ADA COMPLIANT PROVIDE TRUEBRO LAV GUARD PER CBC 11B-606.5 | 2" | 1-1/2" | 1-1/2" | 1/2" | 1/2" | BATTERY |
|  L 2 | LAVATORY: KOHLER "PENNINGTON" K-2196-4-1, WHITE VITREOUS CHINA, SELF-RIMMING COUNTERTOP MOUNT W/ SINGLE FAUCET HOLE ON CENTER. CHICAGO FAUCET EVR-A12A-8SABCP DECK MOUNTED SINGLE HOLE E-TRONIC TRADITIONAL SINK FAUCET WITH BATTERY OPERATED DUAL BEAM INFRARED SENSOR. CHICAGO FAUCET 131-ABNF-ECAST THERMOSTATIC MIXING VALVE SET TO 110°, W/ 0.35 GPM AERATOR. GRID STRAINER DRAIN W/ 1-1/2" CAST BRASS P-TRAP WITH CHROME FINISH, ANGLE STOPS W/ RIGID RISER. PROVIDE JOSAM 17000 SERIES WALL CARRIER. ON ADA COMPLIANT PROVIDE TRUEBRO LAV GUARD PER CBC 11B-606.5 | 2" | 1-1/2" | 1-1/2" | 1/2" | 1/2" | BATTERY |
|  SH 1 | SHOWER: ARCHITECT SPECIFICATIONS. CHICAGO FAUCET SH-P61-13-031 TEMP-GARD PRESSURE-BALANCE SHOWER MIXING VALVE, DIVERTER VALVE, 1.50 GPM WALL SHOWER HEAD, ARMA HAND SHOWER HEAD, FLEX HOSE, ESCUTCHEON & CHROME FLOOR DRAIN. ADA COMPLIANT. INSTALL PER CPC (SEC. 411.10) | 2" | 2" | 1-1/2" | 1/2" | 1/2" | - |
|  FD 1 | FLOOR DRAIN: JOSAM 30002-SA FLOOR DRAIN W/ ELOC CAST IRON BODY W/ CLAMP RING, FLANGE, ADJUSTABLE NIKALLOY STRAINER, POLISHED BRONZE GRATE. PROVIDED WITH TRAP PRIMER CONNECTION FOR TP-1. | 2" | 2" | 1-1/2" | - | - | - |
|  TP 1 | TRAP PRIMER: MIFAB, MODEL "M-500" 1/2" INLET AND 1/2" OUTLET WITH OPTIONAL DISTRIBUTION UNIT. MAY BE LOCATED AS INDICATED ON DRAWINGS OR AS REQUIRED BY CODE. UPC LISTED. PROVIDED WITH A 1/2"x 1/2" ACCESS PANEL OR LARGER DEPENDING ON THE REQUIRED ACCESS TO THE EQUIPMENT AND SHUT-OFF VALVE. (CONTRACTOR TO VERIFY). | - | - | - | 1/2" | - | - |
|  WHA 1 | WATER HAMMER ARRESTOR: MIFAB, INC. MODEL "MMH" (SEE PLANS FOR SIZE), INSTALLED ON ALL QUICK CLOSING VALVES AND ALL VALVES WHICH CLOSE WITH THE FLOW OF FLUID, OR ON HEADERS SERVING MORE THAN ONE FIXTURE. PROVIDED WITH A 1/2"x 1/2" ACCESS PANEL. | - | - | - | - | - | - |
|  DF 1 | DRINKING FOUNTAIN: HALSEY TAYLOR MODEL HTHB-HAC8SS-WF VANDAL-RESISTANT WALL MOUNTED, SINGLE ADA ELECTRIC DRINKING WATER COOLER FOUNTAIN W/ BOTTLE FILLING STATION, STAINLESS STEEL BASIN W/ INTEGRAL DRAIN STRAINER, VANDAL-RESISTANT BUBBLER, FRONT & SIDE PUSH PADS. ADA COMPLIANT & LEAD FREE. | 2" | INT. | 1-1/2" | 1/2" | - | 120V 370 WATTS |

| PIPE MATERIAL SCHEDULE | | | | | |
|--|------------------------|----------------|-----------------------------|--------------------------|-----------------|
| SERVICE | PIPE MATERIAL & WEIGHT | TYPE OF JOINTS | PRESSURE FITTINGS MATERIAL | SHUT-OFF RATINGS FSI-SWP | VALVE |
| COLD WATER ABV GROUND | COPPER L TUBE | SOLDERED | CAST BRONZE/ WROUGHT COPPER | 125 | BALL GATE CHECK |
| COLD WATER BELOW GROUND TO 5' OUTSIDE BUILDING | COPPER K TUBE | BRAZED | CAST BRONZE/ WROUGHT COPPER | 125 | BALL GATE |
| COLD WATER BELOW GROUND BEYOND 5'-0" | SCHEDULE 80 PVC | SOLVENT- WELD | PVC | 125 | GATE |
| HOT WATER ABV GROUND | COPPER L TUBE | SOLDERED | CAST BRONZE/ WROUGHT COPPER | 125 | BALL CHECK |
| VENT | NO-HUB CAST IRON | NO-HUB | N/A | N/A | N/A |
| WASTE, SOIL & ROOF DRAINS BELOW GRADE | SCHEDULE 40 ABS | SOLVENT- WELD | ABS | N/A | N/A |
| WASTE, SOIL & ROOF DRAINS ABOVE GRADE | NO-HUB CAST IRON | NO-HUB | N/A | N/A | N/A |
| CONDENSATE | COPPER L TUBE | SOLDERED | BRONZE | 125 | N/A |

| PIPE INSULATION SCHEDULE | | | | | | | | |
|-------------------------------|--|---|-------------------------------------|------------|------------|----------|--------------|---------|
| FLUID TEMPERATURE RANGE (°F) | CONDUCTIVITY RANGE (IN BTU/IN-HR PER SQ-FT-°F) | INSULATION MEAN RATING TEMPERATURE (°F) | PIPE SIZE (IN. DIA.) | | | | | |
| | | | < 1 | 1 to < 1.5 | 1.5 to < 4 | 4 to < 8 | 8 and LARGER | |
| | | | REQUIRED INSULATION THICKNESS (IN.) | | | | | |
| SERVICE WATER HEATING SYSTEMS | | | | | | | | |
| 105° - 140° | 0.22 - 0.28 | 100° | INCHES R-VALUE | 1.0 R-7.7 | 1.5 R-12.5 | 1.5 R-11 | 1.5 R-9 | 1.5 R-8 |

PLUMBING SIZING FORM

PIPE SIZE IS BASED ON CHART A 105.1(1) @ 2.4 P.S.I. / 100 FT.

FIXTURE UNITS ARE BASED ON TABLE A 103.1(2) FROM APPENDIX A.

PIPE SIZE SCHEDULE

| SIZE | F. TANK | F. VALVE | GPM | VELOCITY |
|--------|---------|----------|-----|----------|
| 1/2" | 1 | 0 | 1.8 | 2.8 |
| 3/4" | 4 | 0 | 5 | 3.2 |
| 1" | 12 | 0 | 9 | 3.8 |
| 1-1/4" | 22 | 0 | 16 | 4.2 |
| 1-1/2" | 39 | 7 | 25 | 5.2 |
| 2" | 138 | 53 | 50 | 6.0 |
| 2-1/2" | 337 | 205 | 90 | 7.2 |
| 3" | 1800 | 1550 | 180 | 8.0 |

FIXTURE UNITS

| NUMBER | FIXTURE | TOTAL |
|---------------------|----------|-------|
| - | EXISTING | 64.5 |
| - | DEMOLISH | 26.6 |
| 6 | WC | 5 |
| 5 | U | 4 |
| 6 | LC | 1 |
| 1 | SH | 2 |
| 1 | DF | 1 |
| - | - | - |
| - | - | - |
| - | - | - |
| TOTAL FIXTURE UNITS | | 71 |
| TOTAL S.P.M. | | 51 |

| |
|---|
| VELOCITY FOR COLD WATER PIPING LESS THAN 8 FT. PER SECOND |
| VELOCITY FOR HOT WATER PIPING LESS THAN 5 FT. PER SECOND |
| MAXIMUM SIZE FOR HOT WATER PIPING SHALL BE 1-1/2" |



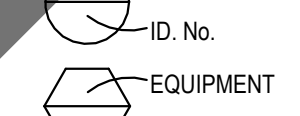
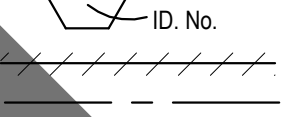

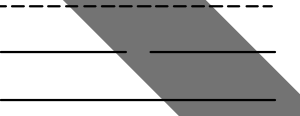
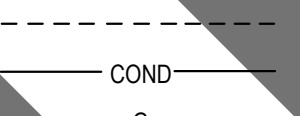
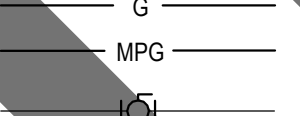
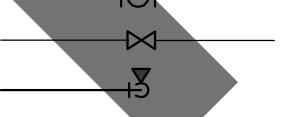
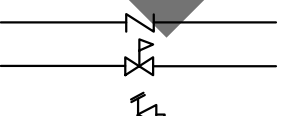
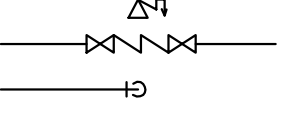
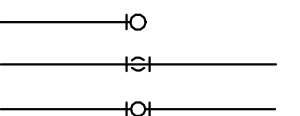
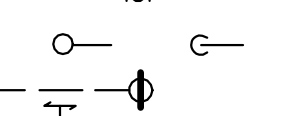
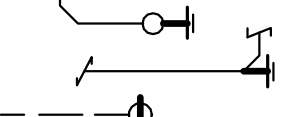
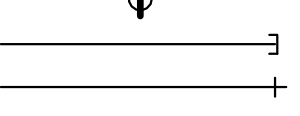
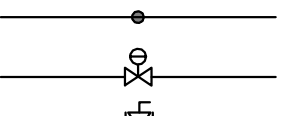
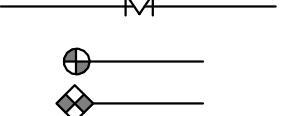







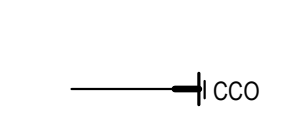







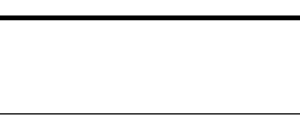
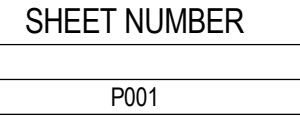
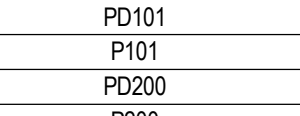
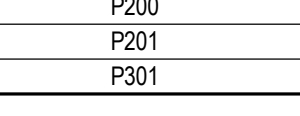












| CAL GREEN GENERAL NOTES | | | | | |
|-------------------------|---|--|--|--|--|
| 1. | NEW NON-RESIDENTIAL WATER CLOSETS SHALL COMPLY WITH 2022 CAL-GREEN 5.303.3.1 AND SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE CLOSETS. | | | | |
| 2. | NEW NON-RESIDENTIAL WALL MOUNTED URINALS SHALL COMPLY WITH 2022 CAL-GREEN 5.303.3.2.1 AND SHALL NOT EXCEED 0.125 GALLONS PER FLUSH. | | | | |
| 3. | NEW NON-RESIDENTIAL LAVATORY FAUCETS SHALL COMPLY WITH 2022 CAL-GREEN 5.303.3.4.1 AND SHALL NOT EXCEED 0.5 GALLONS PER MINUTE AT 60 PSI. | | | | |
| 4. | NEW NON-RESIDENTIAL SINGLE SHOWERHEAD SHALL COMPLY WITH 2022 CAL-GREEN 5.303.3.3.1 AND SHALL NOT EXCEED 1.8 GALLONS PER MINUTE AT 80 PSI. SHOWERHEADS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATIONS FOR SHOWERHEADS. | | | | |
| 5. | NEW NON-RESIDENTIAL MULTIPLE SHOWERHEADS SERVING ONE SHOWER SHALL COMPLY WITH 2022 CAL-GREEN 5.303.3.3.2 AND THE COMBINED FLOW RATE OF ALL SHOWERHEADS AND/OR OTHER SHOWER OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 1.8 GALLONS PER MINUTE AT 80 PSI. OR THE SHOWERHEAD SHALL BE DESIGNED TO ALLOW ONLY ONE SHOWER OUTLET TO BE IN OPERATION AT ONE TIME. A HAND-HELD SHOWER SHALL BE CONSIDERED A SHOWERHEAD. | | | | |

| COLD WATER SCHEDULE | | | | | |
|--|---------|-------|--|--|--|
| PLUMBING SYSTEM FRICTION LOSS | | | | | |
| F.U.'S: 71 | GPM: 51 | | | | |
| MIN. FRICTION LOSS (PSI) | A= | 35 | (35 PSI) FOR FLUSH VALVE & PRESSURE ASSISTED TANKS (FOR CIVIL PLANS) | | |
| ELEV. ABOVE ST. MAIN (FT.) | B= | 12 | | | |
| DAILY ST. INCH PRESSURE (PSI) | C= | 80 | (FROM LOCAL WATER DISTRICT) | | |
| DIST. FROM ST. TO HIGHEST FIXTURE | D= | 683 | (FROM PLANS, IN FEET) | | |
| (E) 2" METER PRESSURE LOSS (PSI) | E= | 2.5 | (UPC APPENDIX A.1) | | |
| (E) BACKFLOW DEVICE LOSS (PSI) | F= | 13 | | | |
| (E) PRV DEVICE LOSS (PSI) | G= | 0 | | | |
| SYSTEM STATIC PRESSURE LOSS (FT. HD.) | H= | 5.16 | H= (B) (0.43) | | |
| FRICTION LOSS AVAILABLE TO SYSTEM | I= | 24.34 | I = C - A - E - F - G - H | | |
| TOTAL DEVELOPED LENGTH + DIST. FROM ST. TO HIGHEST FIXTURE PLUS FITTING LOSS | J= | 956 | J=(D) (1.4) | | |
| FRICTION LOSS/100 FT. | K= | 2.54 | K= (I/J) (100) | | |
| MAXIMUM VELOCITY NOT TO EXCEED 8 FPS. | | | (MAX. FRICTION LOSS ALLOWABLE) | | |


| GENERAL NOTES | |
|---------------|--|
| 1. | THE TOTAL INSTALLATION SHALL COMPLY WITH ANY AND REQUIREMENTS OF THE LEGALLY CONSTITUTED AUTHORITIES HAVING JURISDICTION INCLUDING 2022 CBC (CALIFORNIA BUILDING CODE), 2022 CAL GREEN REQUIREMENTS AND 2022 CM/CPC (CALIFORNIA MECHANICAL AND PLUMBING CODE). |
| 2. | VISIT THE SITE PRIOR TO BID AND SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO WORK. INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. |
| 3. | BEFORE PROCEEDING WITH THE WORK CAREFULLY CHECK AND VERIFY DIMENSIONS, SIZES, REQUIRED CLEARANCES AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK OF OTHER TRADES. |
| 4. | THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT OFFSETS, BENDS, SPECIAL FITTINGS AND LOCATIONS ARE NOT EXACTLY LOCATED. IN THE PREPARATION OF THESE DOCUMENTS, CERTAIN ASSUMPTIONS HAVE BEEN MADE REGARDING EXISTING CONDITIONS. SOME OF THESE ASSUMPTIONS MAY NOT BE VERIFIABLE WITHOUT EXPENDING ADDITIONAL SUMS OF MONEY OR DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF EXISTING BUILDINGS AND/OR EQUIPMENT. THEREFORE, THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR ANY CHANGES OR ADDITIONAL COSTS INCURRED DUE TO EXISTING CONDITIONS. |
| 5. | ITEMS RELATED TO PLUMBING UTILITIES AND/OR OTHER SERVICE(S), MATERIALS, LABOR, PERMITS, FEES, ETC., SHALL BE VERIFIED WITH THE RESPECTIVE SERVING UTILITY COMPANY PRIOR TO SUBMISSION OF A BID. THE ACT OF SUBMITTING A BID SHALL CONSTITUTE FULL RESPONSIBILITY TO INSTALL SERVICE(S) IN COMPLIANCE WITH THE REQUIREMENTS OF THE SERVING UTILITY COMPANY AND THE MECHANICAL ENGINEER. BE RESPONSIBLE FOR CHARGES LEVIED BY THE SERVING UTILITY COMPANY EXCEPTING THE FIRST BILLING DEPOSIT. |
| 6. | COMPLY WITH CONTRACT DOCUMENTS IN LAYING OUT THEIR WORK AND EQUIPMENT. THEY SHALL COORDINATE THE WORK OF THIS SECTION WITH THE WORK OF OTHER TRADES AND JOB CONDITIONS. |
| 7. | THE INSTALLATION OF ACCESS PANELS OR OTHER INDICATING EQUIPMENT OR SPECIALTIES REQUIRING READING, ADJUSTMENT, INSPECTION, REPAIRS, REMOVAL OR REPLACEMENT SHALL BE CONVENIENTLY LOCATED WITH REFERENCE TO THE FINISHED BUILDING. |
| 8. | EQUIPMENT AND FIXTURES INSTALLED UNDER THIS CONTRACT SHALL BE HUNG OR ANCHORED IN ACCORDANCE WITH 2022 CP/CBC. |
| 9. | THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. |
| 10. | WHERE MATERIAL IS SHOWN ON THE DRAWINGS BUT NOT SPECIFIED, IT SHALL BE OF THE SAME TYPE AND QUALITY AS EXISTING MATERIAL. |
| 11. | THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE REQUIRED HYDRANT, LOCAL CALCULATIONS AND FIRE SPRINKLER HEAD LOCATION IN ACCORDANCE WITH NFPA 13 TO THE LOCAL FIRE DEPARTMENT FOR REVIEW AND APPROVAL OF THE FIRE PROTECTION SYSTEM. |
| 12. | TEST SYSTEM(S) IN ACCORDANCE WITH REQUIREMENTS OF THE GOVERNING AUTHORITIES. |
| 13. | CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE AND LOCATED AS PER CODE REQUIREMENTS SHALL COORDINATE CLEANOUT LOCATIONS WITH EQUIPMENT CABINETS, ETC. AND THE ARCHITECT PRIOR TO ANY INSTALLATION. |
| 14. | PAVED AREAS WHICH ARE EXCAVATED AND/OR DAMAGED BY OPERATIONS SHALL BE PATCHED AND REPAIRED. IN ADDITION, RESTORE TO ORIGINAL CONDITION PLANTED AREAS DAMAGED BY OPERATIONS. |
| 15. | CONNECTIONS TO EXISTING SERVICES SHALL BE MADE SUCH THAT INTERRUPTION TIME WILL BE AS SHORT AS POSSIBLE. THE CONTRACTOR SHALL GIVE THE OWNERS REPRESENTATIVE SUFFICIENT NOTICE OF SUCH INTERRUPTIONS AND THE ACTUAL SHUT-DOWN TIME SHALL BE AT A TIME DESIGNATED BY THE OWNERS REPRESENTATIVE. |
| 16. | EXTERIOR WATER SHUT-OFF VALVES BELOW GROUND SHALL BE INSTALLED IN YARD BOXES WITH COVERS CONSPICUOUSLY MARKED "WATER SHUT-OFF" RESPECTIVELY. |
| 17. | WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION, POTABLE WATER SYSTEMS SHALL BE DISINFECTED AND FLUSHED PRIOR TO USE BY WATER CLOSATION SOLUTION AND HAVE BACTERIOLOGICAL EXAMINATION MADE BY AN APPROVED AGENCY PER 2022 CPC SEC. 609.10 AND AS PRESCRIBED IN AWWA C651. METHODS OF CLEANING/ DISINFECTING FOR NEW OR REPAIR PIPING AS DESCRIBED IN CODE OR NFPA 24. |
| 18. | PLUMBING PIPE FITTINGS AND FIXTURES USED TO CONVEY OR DISPENSE WATER FOR HUMAN CONSUMPTION SHALL COMPLY WITH AB 1953. |
| 19. | ANY SUBSTITUTION MADE THAT IS DIFFERENT FROM WHAT IS SPECIFIED ON THE DRAWINGS SHALL BE CLEARLY INDICATED ON THE SUBMITTALS AS TO THAT IS BEING SUBSTITUTED. |
| 20. | SHUT-OFF VALVES SHALL BE PROVIDED IN MAIN BRANCHES, RUNS TO RISERS AND WHERE INDICATED ON DRAWINGS. |

| APPLICABLE CODES | |
|------------------|---|
| 1. | 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR |
| 2. | 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2021 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2022 CALIFORNIA AMENDMENTS) |
| 3. | 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS) |
| 4. | 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (2021 IAPMO UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS) |
| 5. | 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2021 IAPMO UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS) |
| 6. | 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR |
| 7. | 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS) |
| 8. | 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2021 INTERNATIONAL EXISTING BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS) |
| 9. | 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR |
| 10. | 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR |
| 11. | TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS |


| ANCHORAGE AND BRACING NOTES | |
|-----------------------------|---|
| 1. | PIPES, DUCTS AND CONDUITS SHALL BE SUPPORTED AND BRACED PER THE SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING SYSTEMS", THE "SUPERSTRUT SEISMIC RESTRAINT SYSTEM" FOR PIPES AND CONDUITS ONLY. |

| PLUMBING LEGEND SYMBOLS | | |
|---|--------------------|--------------------------------------|
| SYMBOL | ABBREVIATIONS | DESCRIPTION |
|  | DETAIL No. | DETAIL REFERENCE |
|  | SHEET No. | SECTION REFERENCE |
|  | STACK RISER ID No. | PLUMBING STACK OR RISER REFERENCE |
|  | EQUIPMENT ID No. | EQUIPMENT REFERENCE |
|  | | EXISTING PIPING TO BE DEMOLISHED |
|  | CW | COLD WATER |
|  | HW | HOT WATER |
|  | HWR | HOT WATER RETURN |
|  | - - - - - | HIDDEN WATER LINE |
|  | S or W | SOIL or WASTE BELOW GRADE (or FLOOR) |
|  | V | PLUMBING VENT |
|  | COND | CONDENSATE DRAIN |
|  | G | GAS LOW PRESSURE |
|  | MPG | GAS MEDIUM PRESSURE |
|  | BV | BALL VALVE |
|  | SOV | SHUT OFF VALVE |
|  | SOV or GC | SHUT OFF VALVE OR GAS COCK ON RISER |
|  | PRV | SWING CHECK VALVE |
|  | PTR | PRESSURE REDUCING VALVE |
|  | RPBFP | PRESSURE-TEMPERATURE RELIEF VALVE |
|  | DN | REDUCED PRESSURE BACKFLOW PREVENTER |
|  | UP | PIPE DOWN |
|  | DN | PIPE UP |
|  | DN | TEE DOWN |
|  | UP | TEE UP |
|  | UP AND DOWN | PIPE RISER & PIPE DROP (UP AND DOWN) |
|  | FCO | FLOOR CLEANOUT |
|  | WCO | WALL CLEANOUT |
|  | CO | CLEANOUT PLUG |
|  | COTG | YARD CLEANOUT or CLEANOUT TO GRADE |
|  | HB | CAP ON END OF PIPE |
|  | WB | HOSE BIBB WITH VACUUM BREAKER |
|  | WHA & TP | WATER HAMMER ARRESTOR & TRAP PRIMER |
|  | GR | GAS REGULATOR |
|  | GC | GAS COCK (or GAS STOP) |
|  | P.O.C | POINT OF CONNECTION |
|  | P.O.D | POINT OF DEMOLITION |
|  | AP | ACCESS PANEL |
|  | ABV | ABOVE |
|  | BEL | BELOW |
|  | AGA | AMERICAN GAS ASSOCIATION |
|  | CONN | CONNECTION |
|  | CONT | CONTINUATION |
|  | (E) | EXISTING |
|  | (N) | NEW |
|  | DN | DOWN |
|  | ADA | AMERICAN DISABILITY ACT |
|  | IE | INVERT ELEVATION |
| | (TYP) | TYPICAL |
| | U.O.N. | UNLESS OTHER NOTED |
| | VTR | VENT THROUGH ROOF |
| | W/ | WITH |
| | FU | PLUMBING FIXTURE UNIT |
| | B.F.F. | BELOW FINISH FLOOR |
| | R.I.C. | ROUGH IN CONNECT |
| | CCO | CONDENSATE CLEAN OUT |

| PLUMBING SHEET INDEX | |
|----------------------|------------------------------------|
| SHEET NUMBER | SHEET NAME |
| P001 | PLUMBING LEGENDS NOTES & SCHEDULES |
| PD101 | PLUMBING DEMOLITION SITE PLAN |
| P101 | PLUMBING REMODEL SITE PLAN |
| P200 | PLUMBING DEMOLITION PLANS |
| P200 | PLUMBING REMODEL FOUNDATION PLAN |
| P201 | PLUMBING REMODEL FLOOR PLANS |
| P301 | PLUMBING DETAILS |



HOLT ARCHITECT



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SHERIFF'S CRIME LAB

200 SOUTH LENA RD.
SAN BERNARDINO, CA

PROJECT:



CLIENT:

[illegible]

PROJECT NO.: SBC.002

SHEET TITLE:


PLUMBING DEMOLITION SITE PLAN

SHEET NO.:

PD101

PLUMBING DEMOLITION SITE PLAN

SCALE: 1" = 30'-0" 1



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SAN BERNARDINO
COUNTY

[illegible]

PLUMBING REMODEL SITE PLAN

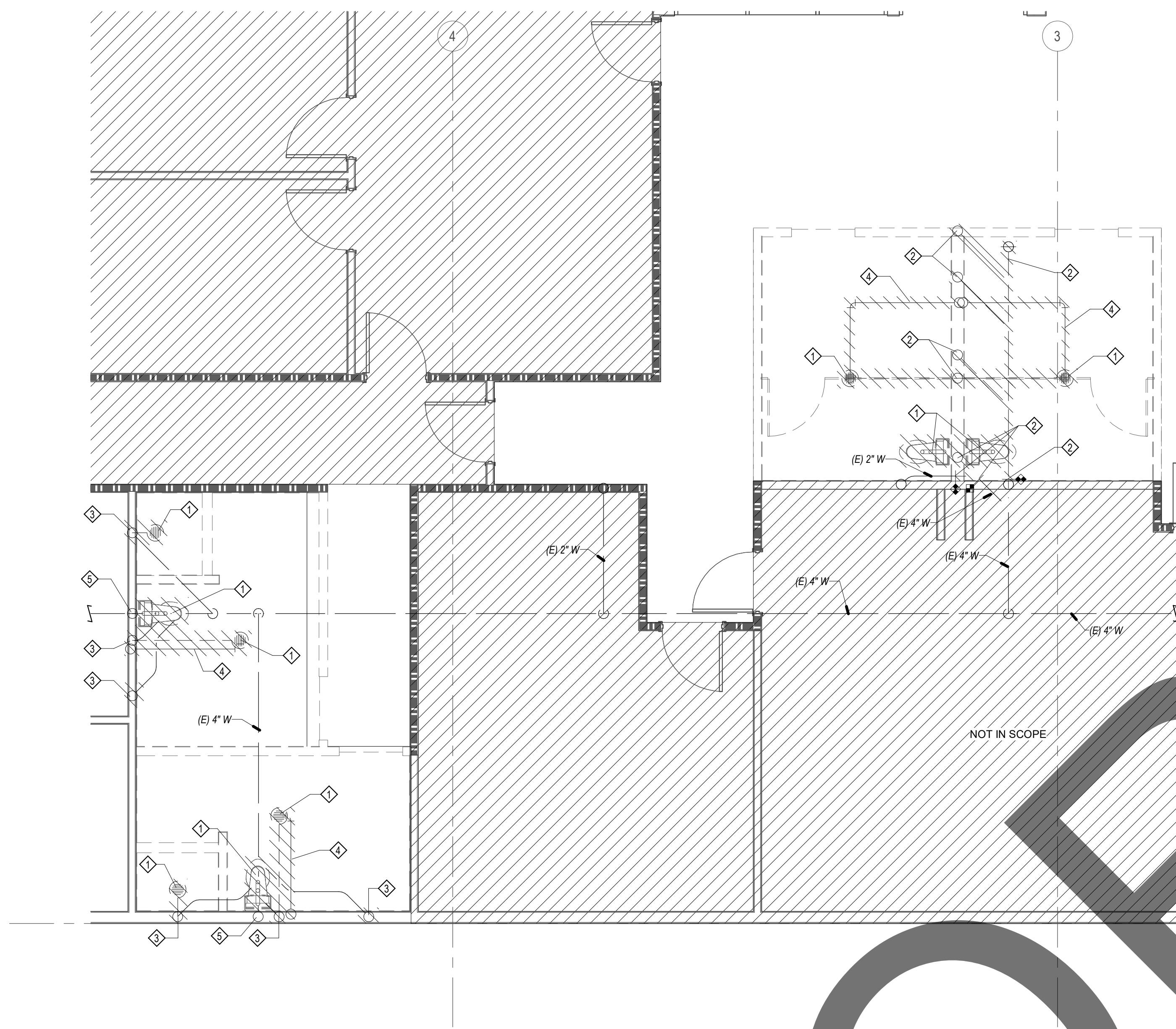
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| SCALE: 1" = 30'-0" | 1 |
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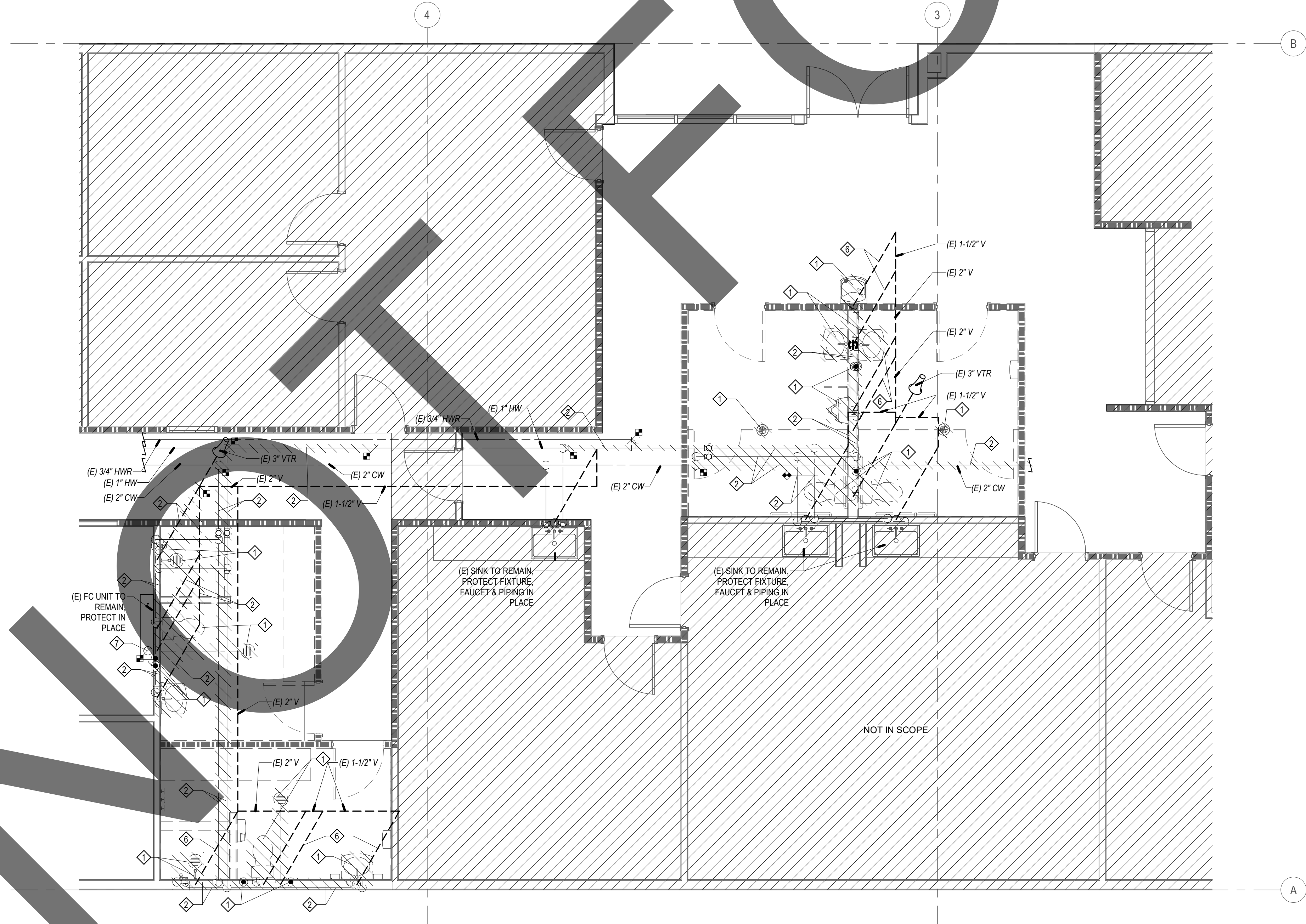
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PLUMBING DEMOLITION FOUNDATION PLAN

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



PLUMBING DEMOLITION PLAN

SCALE: 1/4" = 1'-0" 2

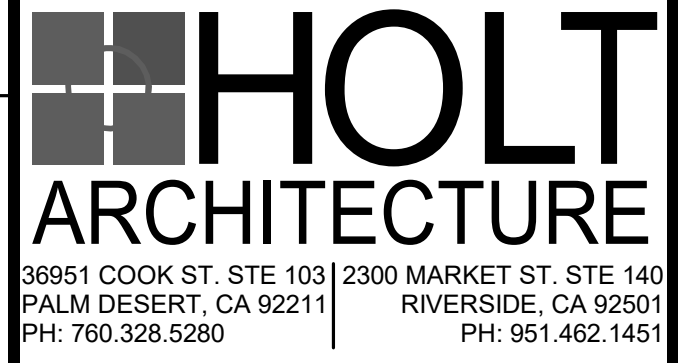


GENERAL NOTES

1. FOR LINE TYPES, SYMBOLS & ABBREVIATIONS SEE LEGEND ON P001.
2. PATCH FLOORS, WALLS & CEILINGS TO MATCH NEW CONSTRUCTION PER ARCHITECTS SPECIFICATIONS.

DEMOLITION NOTES

- ◇ EXISTING FIXTURE TO BE REMOVED.
- ◇ EXISTING PIPING SHOWN AS HATCHED TO BE REMOVED BACK TO P.O.D.
- ◇ REMOVE EXISTING WASTE PIPE DN THRU SLAB & CAP BELOW FLOOR
- ◇ EXISTING PIPING SHOWN AS HATCHED TO BE REMOVED BACK TO TRAP PRIMER IN WALL
- ◇ EXISTING WASTE RISER TO REMAIN. PREPARE PIPE END FOR NEW CONNECTION AS SHOWN ON REMODEL PLANS
- ◇ REMOVE EXISTING VENT RISER, CAP AT VENT HEADER IN WALL
- ◇ REMOVE CONDENSATE DRAIN BACK TO P.O.D. IN ADJACENT OFFICE. PREPARE PIPE END FOR NEW CONNECTION AS SHOWN ON REMODEL PLAN.



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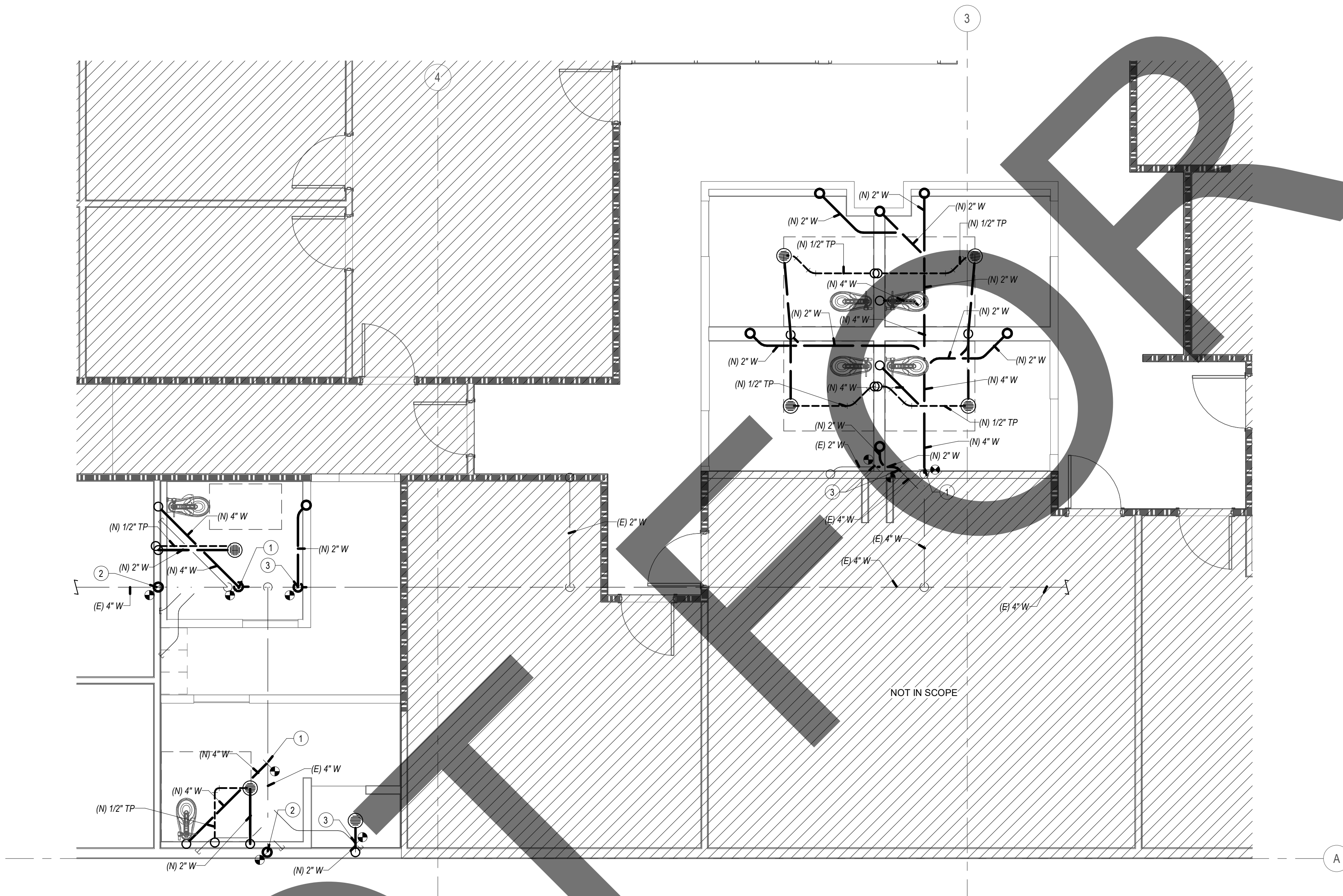
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

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GENERAL NOTES

- FOR LINE TYPES, SYMBOLS & ABBREVIATIONS SEE LEGEND ON P001.
- PRIOR TO CONSTRUCTION CONTRACTOR SHALL FIELD VERIFY FOR EXACT SIZE, LOCATION & INVERT ELEVATION OF EXISTING WASTE LINE & COORDINATE WITH PLUMBING ENGINEER FOR ANY CHANGES NEEDED.
- FOR NEW TRAP PRIMER PIPING, SEE DETAIL  (P301).
- FOR CLEAN OUT INSTALLATION, SEE DETAIL  (P301).

CONSTRUCTION NOTES

- CONNECT NEW 4" WASTE PIPE TO EXISTING WASTE AT P.O.C.
- CONNECT NEW 2" WASTE TO EXISTING WASTE RISER IN WALL
- CONNECT NEW 2" WASTE PIPE TO EXISTING WASTE AT P.O.C.



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PROJECT NO.: SBC.002

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PLUMBING
REMODEL
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PLAN

SHEET NO.:

P200

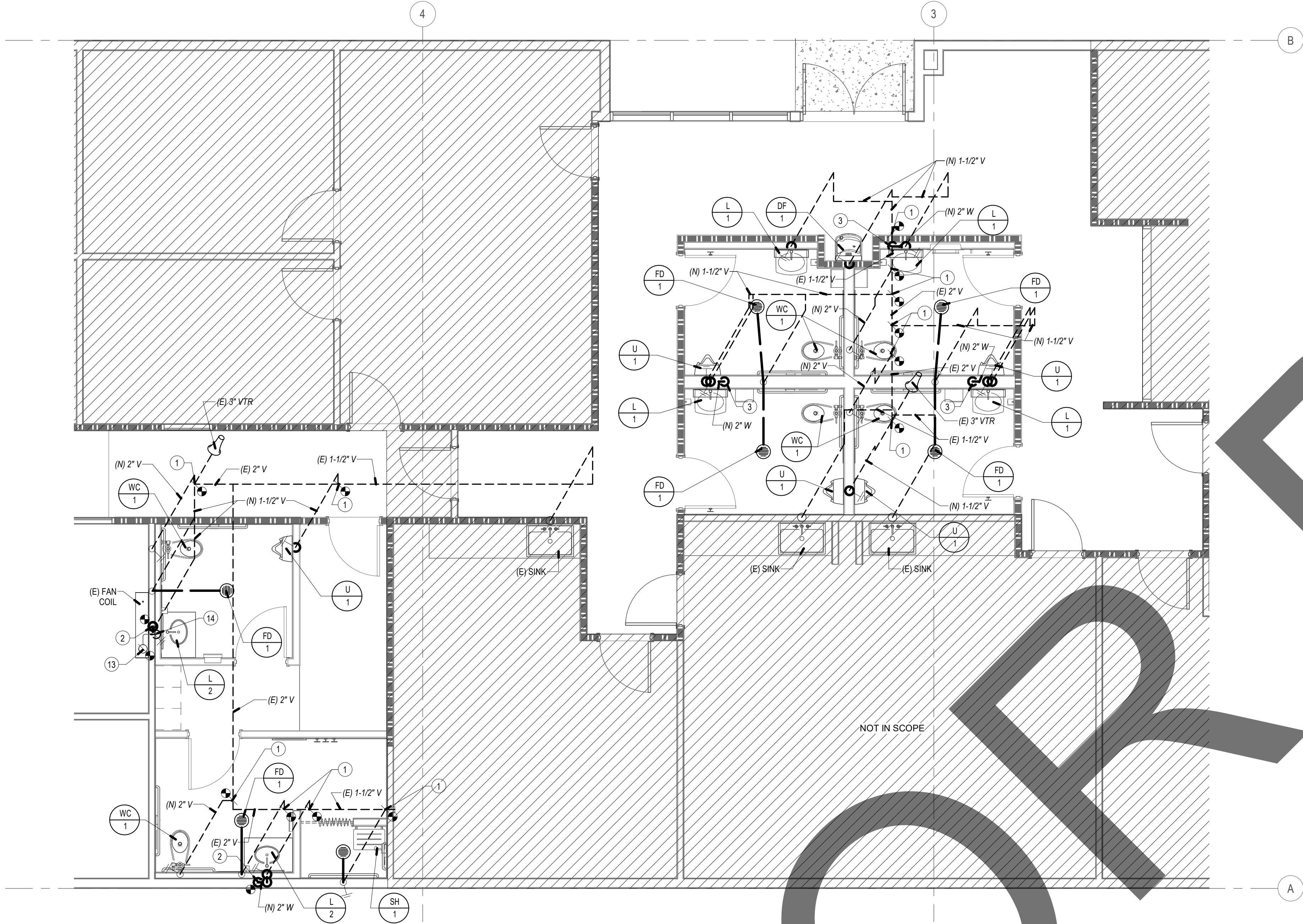
PLUMBING REMODEL FOUNDATION PLAN

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



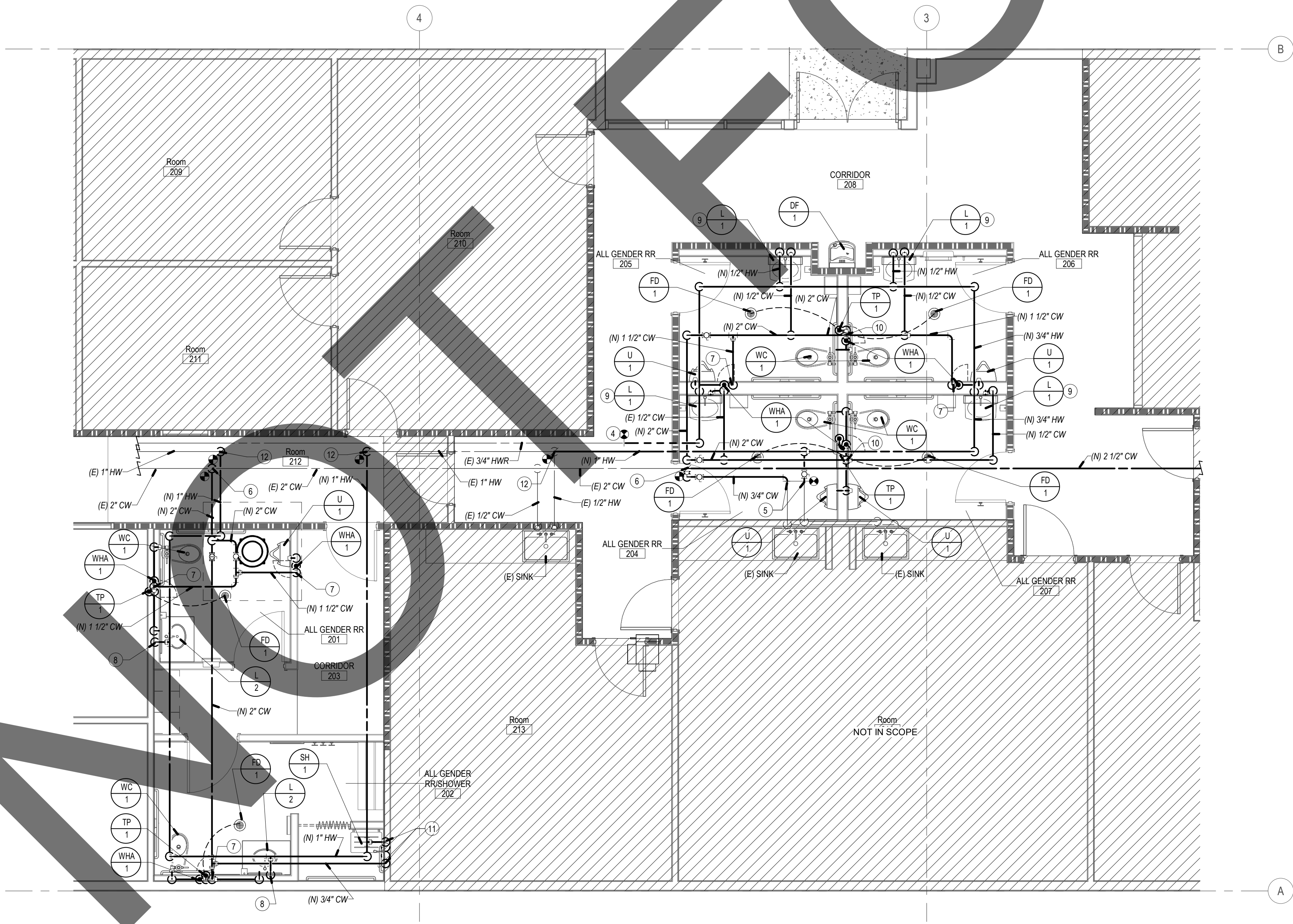
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PLUMBING REMODEL PLAN - WASTE & VENT

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



PLUMBING REMODEL PLAN - DOMESTIC WATER

SCALE: 1/4" = 1'-0" 2

GENERAL NOTES

- FOR LINE TYPES, SYMBOLS & ABBREVIATIONS SEE LEGEND ON P001.
- ROUTE NEW HOT WATER LOOP AS CLOSE AS POSSIBLE TO ALL FIXTURES.
- NEW OR REPAIRED POTABLE WATER SYSTEMS SHALL BE DISINFECTED PRIOR TO USE, ACCORDING TO THE METHOD SET IN SECTION 609.9 OF THE CPC.
- SHUT-OFF VALVES SHALL BE PROVIDED ON ALL MAIN BRANCHES, RUNS TOO RISERS AND WHERE SHOWN ON DRAWING. LOCATE SHUT-OFF VALVES OVER T-BAR CEILING WHEN POSSIBLE. PROVIDE ACCESS PANELS WHEN SHUT-OFF VALVES ARE LOCATED OVER HARD LID CEILINGS.
- FOR NEW PIPE SUPPORT, SEE DETAIL 1 P301
- FOR NEW WATER HAMMER ARESTOR PIPING, SEE DETAIL 3 P301
- FOR NEW TRAP PRIMER PIPING, SEE DETAIL 4 P301
- FOR NEW PIPE THRU RATED WALL, SEE DETAIL 5 P301
- FOR CONDENSATE TERMINATION, SEE DETAIL 6 P301
- FOR CLEAN OUT INSTALLATION, SEE DETAIL 7 P301

CONSTRUCTION NOTES

- CONNECT NEW VENT PIPE TO EXISTING VENT AT P.O.C.
- CONNECT NEW 2" WASTE TO EXISTING WASTE RISER IN WALL
- NEW 2" WASTE DN IN WALL TO BELOW FLOOR
- CONNECT NEW 3/4" HWR TO EXISTING HWR AT P.O.C.
- CONNECT NEW 3/4" CW & HW TO EXISTING CW & HW AT P.O.C.
- CONNECT NEW 2-1/2" CW TO EXISTING CW AT P.O.C.
- NEW 1-1/2" DN IN WALL TO FULL SIZE HEADER
- NEW 1/2" HW DN IN WALL TO PLUMBING FIXTURE
- NEW 1/2" CW & HW DN IN WALL TO PLUMBING FIXTURE
- NEW 2" DN IN WALL TO FULL SIZE HEADER
- NEW 3/4" CW & HW DN IN WALL TO PLUMBING FIXTURE
- CONNECT NEW 1" HW TO EXISTING HW AT P.O.C.
- CONNECT NEW 3/4" CONDENSATE TO EXISTING CONDENSATE AT P.O.C.
- ROUTE NEW 3/4" CONDENSATE TO LAVATORY TAILPIECE.

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PROJECT NO.: SBC.002

SHEET TITLE:

PLUMBING
REMODEL FLOOR
PLANS

SHEET NO.:

P201

