



ADDENDUM #1
FIRE STATION #2 DORM ROOM REMODEL
BID # 21/22-001 / PWP # WA-2021-318
BIDS DUE NO LATER THAN: 1:45 PM ON JULY 21, 2021
PUBLIC BID OPENING: 2:00 PM ON JULY 21, 2021

This addendum is to notify all potential proposers of clarifications made to the Bid documents as stated below.

COVID-19 Precautions – Due to the City’s response to the COVID-19 virus and associated reduction in staff, in-person staff availability is limited. Bidders wishing to physically deliver their bids on the bid due date shall note that the Purchasing Office will receive bids in the lobby of City Hall beginning at 1PM on July 21st. Bids are due no later than 1:45PM. Bids may also be delivered to the Purchasing Department physical dropbox/mailbox, also located in the lobby of City Hall at any time the building is open.

RFI Questions and Answers:

- 1) Will phasing of construction be required?
 - i. **Answer:** Construction of the living area and new restroom will need to be completed prior to the dorm room area and existing restroom remodel.

- 2) Sheet P100 show a “hatched concrete demo area” with a note that says “work done by others”. Please clarify this note. Is it the cost to sawcut, demo and pour back the concrete slab to be included in the general contractor’s bid? The same note appears in detail 3/P101?
 - i. **Answer:** As stated in the plans on sheet P100 and 3/P101 the concrete work will be completed by others. The contractor is only responsible for the plumbing work. The City has a separate contract for the concrete work.

- 3) See revised sheet A002, A203, sheet A500, sheet A701, sheet A800, and Sheet A900 for plan revisions in response to building department comments. All items are clouded and noted as revision 1. A full set of revised plans has been attached to this Addendum #1 with the sheets noted above being the only changes to the plan set.

Please note and adjust your bid according to the revisions, additions, deletions, clarifications or modifications as presented on this Addendum #1, which are made a part of this bid. NOTE: To avoid disqualification, this Addendum 1 (and any other addenda) must be signed by an authorized representative of the bidding firm in the space provided and must be submitted with your firm’s sealed

proposal. Failure to return this addendum, duly signed, may be cause for rejection of the bid. ALL ADDENDA SHOULD BE SIGNED AND PLACED IN SEQUENTIAL ORDER AND ATTACHED TO THE FRONT OF THE BID PACKAGE, COMPLETE WITH ALL REQUIRED DOCUMENTS.

CONTRACTOR BUSINESS NAME

X _____
Authorized Signature

Printed Name of Person Signing

Dan Marran, C.P.M., CPPO
Contracts and Risk Manager

July 16, 2021



Fire Station 2 - Remodel

SHEET INDEX

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PLUMBING

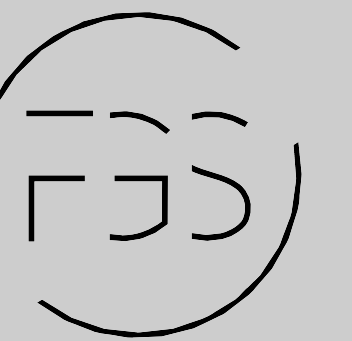
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COVER SHEET

a000



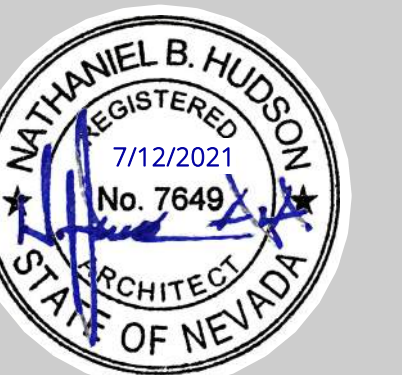
FORMGREY STUDIO

525 Roberts Street #100, Reno NV 89502 | www.formgrey.com | (775) 507-7200

CITY OF SPARKS FIRE STATION 2

City of Sparks, Nevada

2900 N. Truckee Ln
Sparks, NV 89434



FOR PERMIT 6/08/2021

FGS #FGS# 2018-20

7/12/2021 1:26:37 PM

JON R. ERICSON, P.E., PTOE
CITY ENGINEER

PWP #WA-2021-318
BID #21/22-001

SYMBOL LIST

NORTH ARROW

ROOF SLOPE

ROOF SLOPE PLAN

PROPOSED CONTOUR LINE

EXISTING CONTOUR LINE

DIRECTION OF DRAINAGE

PROPERTY LINE

MATCH LINE

CENTERLINE

ELECTRICAL LINE

FENCE LINE

GAS LINE

PHONE LINE

SANITARY SEWER

STORM DRAIN

TELEVISION LINE

WATER LINE

BUILDING SECTION CUT

WALL SECTION CUT

DETAIL CALLOUT

DETAIL CALLOUT

ELEVATION BUBBLE

ROOM NAME & NUMBER

WINDOW SYMBOL

DOOR SYMBOL

CEILING HEIGHT

ACCESSORY SYMBOL

ASPHALT

BATT INSULATION

BRICK

CMU BLOCK

CONCRETE

E.I.F.S.

GRADE / EARTH

GRAVEL

GYPSUM BOARD

GYPSUM SHEATHING

ORIENTED STRAND BOARD

PLYWOOD SHEATHING

RIGID INSULATION

SAND / MORTER / PLASTER

STEEL

STONE

TECTUM

WOOD FINISH

WALL THICKNESS

GLASS

WOOD FRAMING (THROUGH MEMBER)

WOOD FRAMING (INTERRUPTED MEMBER)

GRID LINES

REVISION CLOUD & NUMBER

NOTE AREA

GENERAL NOTES

- THESE GENERAL NOTES PERTAIN TO WORK DESCRIBED ON ALL CONTRACT DOCUMENTS.
- THE CONTRACT DOCUMENTS CONSIST OF THE OWNER CONTRACTOR AGREEMENT, THE CONDITIONS OF CONTRACT (GENERAL, SUPPLEMENTARY, AND OTHER CONDITIONS), THE DRAWINGS, THE SPECIFICATIONS, AND ALL ADDENDA ISSUED PRIOR TO AND ALL MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT.
- FORMGREY STUDIO, LLC IS THE AUTHOR OF THESE PLANS AND CLAIMS A COPYRIGHT IN THESE PLANS AND THE DESIGNS CONTAINED IN THESE PLANS. THIS CLAIM IS MADE UNDER TITLE 17 OF THE UNITED STATES CODE AND ALL APPLICABLE TREATIES AND FOREIGN LAWS. THESE COPYRIGHTED DRAWING FILES ARE TO BE USED FOR REFERENCE ONLY. FORMGREY STUDIO, LLC WILL TAKE NO RESPONSIBILITY FOR ANY CHANGES MADE TO THESE DOCUMENTS BY ANOTHER PARTY AND NO LICENSE IS GIVEN FOR TRANSFER OF THESE COPYRIGHTS TO ANOTHER PARTY.
- THE WORK COMPRISES THE COMPLETED CONSTRUCTION REQUIRED BY THE CONTRACT DOCUMENTS AND INCLUDES ALL LABOR NECESSARY TO PRODUCE SUCH CONSTRUCTION, AND ALL MATERIALS AND EQUIPMENT INCORPORATED OR TO BE INCORPORATED IN SUCH CONSTRUCTION.
- SHOP DRAWINGS, PRODUCT DATA AND SAMPLES ARE NOT A PART OF THE CONTRACT DOCUMENTS. THE ARCHITECT WILL REVIEW THEM, BUT ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE WORK AND WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ANY DEVIATION FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT'S REVIEW OF SHOP DRAWINGS, PRODUCT DATA OR SAMPLES.
- THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONTRACT DOCUMENTS AND SHALL AT ONCE REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCY OR OMISSIONS HE MAY DISCOVER. THE CONTRACTOR SHALL PERFORM NO PORTION OF THE WORK AT ANY TIME WITHOUT CONTRACT DOCUMENTS OR, WHERE REQUIRED, APPROVED SHOP DRAWINGS, PRODUCT DATA OR SAMPLES FOR SUCH PORTION OF THE WORK.
- ALL WORK IS TO CONFORM WITH THE CONTRACT DOCUMENTS. DRAWINGS ARE NOT TO BE SCALED FOR INFORMATION IF UNABLE TO LOCATE DIMENSIONS FOR ANY ITEM OF WORK, CONSULT WITH THE ARCHITECT BEFORE PROCEEDING WITH CONSTRUCTION.
- IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE CONTRACT DOCUMENTS, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR AND SHALL BE REVIEWED BY THE ARCHITECT.
- ALL WORK SHALL BE PERFORMED WITHIN STRICT CONFORMANCE TO THE MINIMUM STANDARDS OF THE CURRENT EDITION OF THE INTERNATIONAL BUILDING CODE AND ALL APPLICABLE NATIONAL, STATE, AND LOCAL LAWS, REGULATIONS AND ORDINANCES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GENERAL SAFETY DURING CONSTRUCTION, AND ALL WORK SHALL CONFORM TO PERTINENT SAFETY REGULATIONS.
- THE CONTRACTOR SHALL COORDINATE LOCATIONS OF ANY AND ALL MECHANICAL, TELEPHONE, ELECTRICAL, LIGHTING AND PLUMBING INCLUDING ALL PIPING, DUCT WORK AND CONDUIT. COORDINATE ALL REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE OF THE ABOVE EQUIPMENT.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING HIS/HER BEST SKILL AND ATTENTION, HE/SHE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACTS AND OMISSIONS OF HIS/HER EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND OTHER PERSONS PERFORMING ANY WORK UNDER A CONTRACT WITH THE CONTRACTOR.
- THE CONTRACTOR SHALL PURSUE WORK IN A CONTINUOUS AND DILIGENT MANNER TO INSURE TIMELY COMPLETION OF THE PROJECT.
- THE CONTRACTOR AT ALL TIMES SHALL KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY HIS/HER OPERATIONS. AT THE COMPLETION OF THE WORK, HE/SHE SHALL REMOVE ALL HIS/HER WASTE MATERIALS AND RUBBISH FROM AND ABOUT THE PROJECT AS WELL AS ALL HIS/HER TOOLS, CONSTRUCTION EQUIPMENT, MACHINERY, AND SURPLUS MATERIALS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND/OR PROTECTION OF ALL EXISTING AND PROPOSED PIPING, UTILITIES, STRUCTURES, ADJACENT STREETS, AND IMPROVEMENTS DURING THE PERIOD OF CONSTRUCTION.
- UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROVIDE AND PAY FOR ALL LABOR, MATERIAL, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT, MACHINERY, WATER, HEAT, UTILITIES, TRANSPORTATION, AND OTHER FACILITIES AND SERVICES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL SUBMIT WEEKLY JOB STATUS REPORTS TO THE ARCHITECT. THE REPORT SHALL STATE ACTUAL PROGRESS OF THE JOB AND LIST ANY CHANGES OR CONDITIONS WITHIN THE SCOPE OF THE CONTRACT DOCUMENTS AFFECTING THE JOB PROGRESS.
- WHERE CONFLICTS OCCUR, COORDINATE THE LAYOUT AND EXACT LOCATION OF ALL PARTITIONS, DOORS, TELEPHONES AND ELECTRICAL/COMMUNICATION OUTLETS AND SWITCHES WITH ARCHITECT IN THE FIELD BEFORE PROCEEDING WITH CONSTRUCTION.
- WHERE CONFLICT IS ENCOUNTERED BETWEEN THE CONTRACT DOCUMENTS THAT WILL MATERIALLY AFFECT THE QUALITY OR EXTENT OF THE WORK, SUCH CONFLICT SHALL BE RESOLVED TO THE SATISFACTION OF THE ARCHITECT BEFORE THE AFFECTED ITEMS AND/OR MATERIALS ARE PURCHASED, FABRICATED AND/OR INSTALLED.
- WHERE PRE-MANUFACTURED OR PRE-FABRICATED ITEMS AND/OR MATERIALS ARE TO BE INSTALLED - THE CONTRACTOR SHALL VERIFY ROUGH OR FINISHED DIMENSIONS IN THE FIELD PRIOR TO PURCHASE OR FABRICATION.
- THE CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS TO BE FREE FROM DEFECTS FOR A MINIMUM OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE, AND PROMPTLY REMEDY SUCH DEFECTS AND ANY SUBSEQUENT DAMAGE CAUSED BY THE DEFECTS OR REPAIR THEREOF, AT NO EXPENSE TO THE OWNER. GUARANTEE PERIODS OF GREATER THAN ONE YEAR MAY BE REQUIRED AND CONTAINED WITHIN THE CONTRACT DOCUMENTS.
- UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS THE CONTRACTOR SHALL SECURE AND PAY FOR THE BUILDING PERMIT AND FOR ALL OTHER PERMITS AND GOVERNMENTAL FEES, LICENSES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
- WHERE ANY ITEM AND/OR MATERIAL IS INDICATED IN THE CONTRACT DOCUMENTS, AND NOT NECESSARILY DETAILED IN EACH SPECIFIC CASE, BUT IS REQUIRED FOR A COMPLETE AND PROFESSIONAL INSTALLATION - SUCH ITEM AND/OR MATERIAL SHALL BE PROVIDED AS IF SHOWN AND DETAILED IN FULL. PROVIDE MEANS TO FURNISH AND INSTALL.

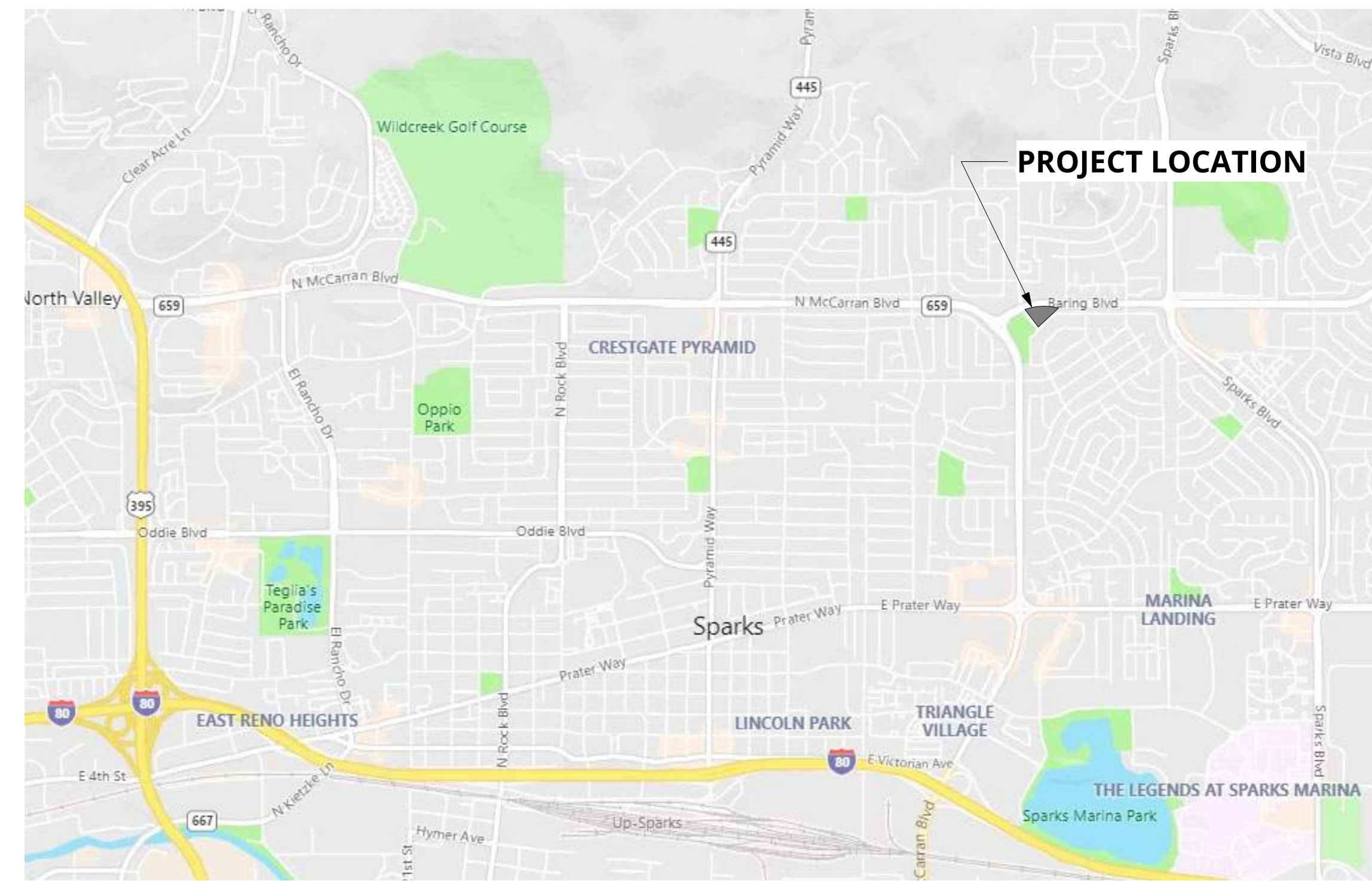
CODES

BASED ON THE 2018 INTERNATIONAL BUILDING CODE

OCCUPANCY GROUP	R-2 [DORMITORY AND LIVING AREA] S-2 [APPARATUS ROOM AND HOSE ROOM]	2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL EXISTING BUILDING CODE 2018 UNIFORM MECHANICAL CODE 2018 UNIFORM PLUMBING CODE 2018 INTERNATIONAL ENERGY CONSERVATION CODE 2018 INTERNATIONAL FUEL GAS CODE 2018 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 54 AND 58 CODE 2017 NATIONAL ELECTRICAL CODE 2018 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 54 AND 58 CODE 2018 INTERNATIONAL FIRE CODE 2018 INTERNATIONAL FIRE CODE AMENDMENTS 2018 NORTHWESTERN NEVADA INTERNATIONAL FIRE CODE AMENDMENTS
CONSTRUCTION TYPE	V-B	
ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE	R-2 60 S-2 60	*EXISTING BUILDING HAS AUTOMATIC FIRE SPRINKLER SYSTEM *EXISTING BUILDING HEIGHT IS APPROXIMATELY 22 FEET IN HEIGHT *NO CHANGE IN BUILDING HEIGHT PROPOSED
ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE	R-2 3 S-2 3	*EXISTING BUILDING HAS AUTOMATIC FIRE SPRINKLER SYSTEM *EXISTING BUILDING ONE STORY *NO CHANGE IN NUMBER OF STORIES PROPOSED
ALLOWABLE AREA FACTOR	R-2 28,000 S-2 54,000	EXISTING AREA SUMMARY: R-2 1,971 S-2 3,099 *PROPOSED ADDITION: +128 sf
REQUIRED SEPARATION	1-HOUR [R-2 TO S-2] EXISTING MASONRY WALL	

PLUMBING FIXTURE COUNT

	*EXISTING BUILDING, NO CHANGE OF USE - 5 OCCUPANTS, SEE SHEET #003	
FIXTURE TYPE	EXISTING	PROPOSED
WATER CLOSET	2	2
URINALS	NONE EXISTING	N/A
LAVATORIES	2	3
BATHTUB OR SHOWER	1	PROPOSED
DRINKING FOUNTAIN	NONE, EXISTING OCCUPANCY HAS FULL KITCHEN	NONE, EXISTING OCCUPANCY HAS FULL KITCHEN
OTHER	1 SERVICE SINK EXISTING MUD ROOM	SERVICE SINK TO BE REMOVED EXISTING MUD ROOM TO REMAIN



VICINITY MAP
1" = 2000'-0"

PROJECT TEAM

OWNER
CITY OF SPARKS
P.O. BOX 857
SPARKS, NV 89432

BRIAN CASON
CAPITAL PROJECTS MANAGER
(775) 353-4083
BCASON@CITYOFSPARKS.NV.GOV

ARCHITECTURAL
FORMGREY STUDIO, LLC
650 S. ROCK BLVD. #14
RENO, NV 89502

NATHANIEL HUDSON, AIA, NCARB
(775) 507-7200
NHUDSON@FORMGREY.COM

STRUCTURAL
FORBES LINCHPIN STRUCTURAL ENGINEERING
530 CALIFORNIA AVE
RENO NV 89509

MICHAEL NICKLIN, P.E.
(530) 563-6341 ext. 802
MICK@LINCHPINSE.COM

MECHANICAL & PLUMBING
KIMLEY-HORN AND ASSOCIATES, INC.
5370 KIETZKE LANE #100
RENO, NV 89511

MATT MYRES, P.E.
(775) 636-7835
MATT.MYRES@KIMLEY-HORN.COM

ELECTRICAL
KIMLEY-HORN AND ASSOCIATES, INC.
5370 KIETZKE LANE #100
RENO, NV 89511

JOSEPH NIELSEN, P.E.
(775) 200-1970
JOE.NIELSEN@KIMLEY-HORN.COM

PROPERTY INFORMATION

ADDRESS: 2900 N. TRUCKEE LN., SPARKS, NV 89434
APN: 036-091-29
AREA: 57,891 sq. ft. (1.329 acres)
LOT: N/A
SUBDIVISION: N/A
ZONING: PF (PUBLIC FACILITY)
FIRE RISK RATING: LOW
FEMA FLOOD ZONE: X

PROJECT INFORMATION

a001

FORMGREY STUDIO
903 E 4th Street, Reno, NV 89512 | www.formgrey.com | (775) 507-7200

CITY OF SPARKS
FIRE STATION 2
City of Sparks, Nevada

2900 N. Truckee Ln
Sparks, NV 89434

No.	Description	Date

FOR PERMIT 6/08/2021

CONSTRUCTION NOTES & SPECIFICATIONS

1. GENERAL REQUIREMENTS:
 A. ALL DIMENSIONS ARE TO BE FIELD VERIFIED. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
 B. ALL DIMENSIONS ARE TO FACE OF STUD OR STRUCTURE UNLESS NOTED OTHERWISE.

3. CONCRETE
 A. INTERIOR: CAST-IN-PLACE CONCRETE SLABS AT MAIN LEVEL FLOORS SHALL BE 4" SLABS OVER 6" TYPE 2 CLASS B AGGREGATE BASE COMPACTED TO 95% MINIMUM RELATIVE COMPACTION. ALL CONCRETE THAT IS TO BE EXPOSED SHALL BE TROWELED TO A SMOOTH FINISH WITH NO CURING AGENT APPLIED.
 B. EXTERIOR: CAST-IN-PLACE EXTERIOR SLABS SHALL BE 4" SLABS OVER 6" TYPE 2 CLASS B AGGREGATE BASE COMPACTED TO 95% MINIMUM RELATIVE COMPACTION. USE CITY OF SPARKS APPROVED MIX DESIGN FOR 4,000 PSI CONCRETE.
 1. BROOM FINISH
 C. SEE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

4. MASONRY:
 A. GENERAL: ALL EXISTING MASONRY WALLS TO REMAIN, UNLESS NOTED OTHERWISE. SEE DRAWINGS FOR MASONRY TO BE REMOVED. PREPARE SURFACES FOR NEW INTERIOR FINISH AS INDICATED IN DRAWINGS.

6. WOOD, PLASTICS, AND COMPOSITES
 A. ROUGH CARPENTRY: SEE DRAWINGS FOR EXISTING WOOD FRAMED WALL TO BE REMOVED AND RE-BUILT. ALL OTHER EXISTING WALLS TO REMAIN.
 1. DIMENSIONAL LUMBER SHALL BE CONSTRUCTION GRADE OR BETTER FOR LIGHT FRAMING USES.
 2. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
 3. PROVIDE SOLID 2x BLOCKING BEHIND ALL WALL MOUNTED ACCESSORIES AND FIXTURES.

7. THERMAL AND MOISTURE PROTECTION:
 A. INSULATION:
 1. EXISTING EXTERIOR WALLS, RIGID FOAM INSULATION TO REMAIN.
 2. EXISTING CEILING, INSULATION TO REMAIN.
 3. NEW EXTERIOR WALL(S): R-21 FIBERGLASS BATT INSULATION.
 4. NEW CEILING(S): R-38 FIBERGLASS BATT INSULATION.
 B. WEATHER-RESISTANT EXTERIOR ENVELOPE: INSTALL NOT FEWER THAN ONE LAYER OF NO.15 ASPHALT FELT, COMPLYING WITH ASTM D226 FOR TYPE 1 FELT OR OTHER APPROVED MATERIALS, SHALL BE ATTACHED TO THE STUDS OR SHEATHING, IN SUCH A MANNER AS TO PROVIDE A CONTINUOUS WATER-RESISTIVE BARRIER BEHIND THE EXTERIOR WALL VENEER.
 C. FLASHING: FLASHING SHALL BE INSTALLED IN SUCH A MANNER SO AS TO PREVENT MOISTURE FROM ENTERING THE WALL OR TO REDIRECT THAT MOISTURE TO THE EXTERIOR. USE 26 GA. MINIMUM GALVANIZED SHEET METAL (PRE-FINISHED OR PAINT TO MATCH ADJACENT SURFACES). WHERE SELF-ADHERED MEMBRANES ARE USED AS FLASHINGS OF FENESTRATION IN WALL ASSEMBLIES, THOSE SELF-ADHERED FLASHINGS SHALL COMPLY WITH AAMA 711.
 D. VAPOR RETARDER: INSTALL APPROVED CLASS I OR II VAPOR RETARDER ON WARM SIDE OF WALL. INSTALL 10mil UNDER SLAB VAPOR BARRIER AT CONDITIONED SPACE.
 E. SUBMITTALS: SUBMIT MANUFACTURER'S PRODUCT DATA AND INSTALLATION INSTRUCTIONS FOR EACH MATERIAL AND PRODUCT USED.

8. OPENINGS
 A. DOORS AND WINDOWS: SEE PLANS FOR LOCATIONS OF NEW DOORS AND WINDOWS.
 DOOR NOTES:
 1. EXISTING DOORS INDICATED IN DRAWINGS TO BE REMOVED, REFINISHED AND REINSTALLED INTO EXISTING OPENING.
 2. ALL DOOR HARDWARE SHALL BE AS INDICATED IN "DOOR HARDWARE SCHEDULE".
 3. EXIT DOORS SHALL BE MARKED SO THAT THEY ARE READILY DISTINGUISHABLE FROM THE ADJACENT CONSTRUCTION.
 4. ALL EXTERIOR DOORS SHALL BE WEATHER TIGHT ALL AROUND.
 5. NEW WINDOWS SHALL BE DUAL PANE LOW-E COMPOSITE FRAME ANDERSEN 100 SERIES OR APPROVED EQUAL.

9. FINISHES:
 GENERAL:
 A. SUBMITTALS: SUBMIT MANUFACTURER'S PRODUCT DATA AND INSTALLATION INSTRUCTIONS FOR EACH MATERIAL AND PRODUCT USED.
 B. QUALITY ASSURANCE: COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS THAT HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

FINISH NOTES:
 1. USE FIBERGLASS REINFORCED MESH JOINT TAPE AT ALL GYPSUM WALL BOARD JOINTS.
 2. ALL INTERIOR WALL AND CEILINGS SHALL RECEIVE SMOOTHEST FINISH PERMISSIBLE BY BUDGET UNLESS NOTED OTHERWISE.
 3. ALL PAINTS AND PRIMERS SHALL BE ZERO VOC CONTENT. MISCELLANEOUS ADHESIVES AND SEALANTS WITHIN PROJECT TO BE LOW VOC CONTENT.
 4. ALL INTERIOR FINISH MATERIAL SELECTIONS SHALL BE APPROVED BY OWNER OR ARCHITECT.

FINISHED FLOORING:
 EXISTING FLOOR: EXISTING FLOOR SURFACE SHALL BE REMOVED AND REPLACED AS INDICATED IN PLANS. FILL ALL CRACKS, CHIPS, OR DIVOTS WITH APPROVED PATCHING COMPOUND.
 A. NEW FLOORING:
 1. LUXURY VINYL TILE (LVT): J+J FLOORING, FRAMEWORK V5001. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
 2. COLOR: BEAM 1015
 3. INSTALLATION PATTERN: CONFIRM WITH OWNER
 4. SUBMIT MANUFACTURER'S PRODUCT INFORMATION FOR APPROVAL BY ARCHITECT AND OWNER.
 B. WALL BASE: 4" THERMOSET RUBBER WALL BASE
 1. MANUFACTURER: BURKE FLOORING.
 2. PRODUCT LINE: TYPE TS.
 3. COLOR: BLACKBROWN - 523
 4. SUBMITTALS: SUBMIT MINIMUM, 6-INCH SAMPLE INDICATING COLOR AND PATTERN. APPROVED SAMPLES WILL BE USED DURING INSTALLATION FOR PRODUCT MATCH.

FINISHED WALLS AND CEILINGS:
 EXISTING WALLS AND CEILINGS: EXISTING WALL AND CEILING SURFACES SHALL BE PREPARED FOR NEW PAINT. SEE MANUFACTURER'S INSTRUCTIONS.
 EXISTING ACOUSTIC CEILING TILE TO BE REMOVED. ABATEMENT, IF REQUIRED, BY OWNER.
 NEW WALLS AND CEILINGS:
 1. USE 5/8" GYPSUM WALL BOARD AT ALL NEW WALLS AND CEILINGS.
 2. AT BATHROOMS AND SHOWER ROOMS USE MOLD/MOISTURE RESISTANT GYPSUM BOARD.
 3. WHEN ALIGNING TO AN EXISTING ADJACENT SURFACE, MATCH THICKNESS AS REQUIRED.
 4. ALL INTERIOR WALL AND CEILINGS SHALL RECEIVE SMOOTHEST FINISH PERMISSIBLE BY BUDGET UNLESS NOTED OTHERWISE.
 5. ALL PAINTS AND PRIMERS SHALL BE ZERO VOC CONTENT. MISCELLANEOUS ADHESIVES AND SEALANTS WITHIN PROJECT TO BE LOW VOC CONTENT.
 6. AT SHOWER ENCLOSURES: USE PRE-FABRICATED ACRYLIC OR FIBERGLASS SHOWER SURROUND (THREE-SIDED), INSTALL PER MFR. INSTRUCTIONS. COORDINATE COLOR AND STYLE WITH OWNER.
 7. ALL INTERIOR FINISH MATERIAL SELECTIONS SHALL BE APPROVED BY OWNER OR ARCHITECT.
 8. FIBERGLASS REINFORCED PLASTIC (FRP) BY MARLITE, OR APPROVED EQUAL. COORDINATE TEXTURE, STYLE, AND COLOR WITH OWNER. CONTRACTOR TO SUBMIT PRODUCT DATA TO THE ARCHITECT AND THE OWNER FOR APPROVAL.

10. SPECIALTIES:
 TOILET AND BATH ACCESSORIES:
 GENERAL NOTES:
 A. MANUFACTURERS:
 SUBJECT TO COMPLIANCE WITH REQUIREMENTS, MANUFACTURERS OFFERING TOILET ACCESSORIES THAT MAY BE INCORPORATED IN THE PROJECT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
 A & J WASHROOM, AMERICAN SPECIALTIES, BOBRICK WASHROOM EQUIPMENT, INC., HADRIAN INC.
 SEE DRAWINGS FOR FIXTURE AND ACCESSORY SCHEDULE.

B. ACCESSIBILITY REQUIREMENTS:
 1. ACCESSIBLE CONTROLS AND OPERATING MECHANISM: MUST BE OPERABLE WITH ONE HAND, WITHOUT TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LB-FT (22.2 N).
 2. TOILET TISSUE DISPENSERS: DO NOT USE TOILET TISSUE DISPENSERS THAT CONTROL DELIVERY, OR DO NOT PERMIT CONTINUOUS PAPER FLOW.
 C. INSTALLATION:
 1. INSTALL ACCESSORIES ACCORDING TO MANUFACTURERS' WRITTEN INSTRUCTIONS, USING FASTENERS APPROPRIATE TO SUBSTRATE INDICATED AND RECOMMENDED BY UNIT MANUFACTURER. INSTALL UNITS LEVEL, PLUMB, AND FIRMLY ANCHORED IN LOCATIONS AND AT HEIGHTS INDICATED.
 2. INSTALL ACCESSORIES IN LOCATIONS, AND AT HEIGHTS INDICATED ON DRAWINGS.
 3. IF MOUNTING HEIGHTS AND CLEARANCES ARE NOT INDICATED ON DRAWINGS, COMPLY WITH REQUIREMENTS OF SECTION 504, ADA, AND ANSI STANDARDS TO ACCOMMODATE USE OF ACCESSORY ITEMS BY THE DISABLED.
 4. SECURE MIRRORS TO WALLS IN A CONCEALED, TAMPER-RESISTANT MANNER WITH SPECIAL HANGERS, TOGGLE BOLTS, OR SCREWS. SET UNITS LEVEL, PLUMB, AND SQUARE AT LOCATIONS INDICATED, ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS FOR THE SUBSTRATE INDICATED.
 5. INSTALL GRAB BARS TO WITHSTAND DOWNWARD LOAD OF AT LEAST 250 LB-FT (1112 N), TESTED ACCORDING TO METHOD IN ASTM F446.
 D. ADJUSTING AND CLEANING:
 1. ADJUST ACCESSORIES FOR UNENCUMBERED, SMOOTH OPERATION, AND VERIFY THAT MECHANISMS FUNCTION PROPERLY. REPLACE DAMAGED OR DEFECTIVE ITEMS.
 2. REMOVE TEMPORARY LABELS AND PROTECTIVE COATINGS.
 3. CLEAN AND POLISH EXPOSED SURFACES ACCORDING TO MANUFACTURER'S WRITTEN RECOMMENDATIONS.

RESTROOM ACCESSORIES: SEE DRAWINGS FOR FIXTURE AND ACCESSORY SCHEDULE AND FOR TYPICAL ADA MOUNTING HEIGHTS.

22. PLUMBING:
 A. COMMERCIAL PLUMBING FIXTURES:
 WATER CLOSET: ADA COMPLIANT, WALL MOUNTED - SEE FIXTURE SCHEDULE. ALSO SEE PLUMBING.
 LAVATORY: ADA COMPLIANT, COUNTERTOP MOUNTED - SEE FIXTURE SCHEDULE. ALSO SEE PLUMBING.
 LAVATORY FAUCET: ADA COMPLIANT - SEE FIXTURE SCHEDULE. ALSO SEE PLUMBING.
 SHOWER PAN: ACRYLIC SHOWER PAN - SEE FIXTURE SCHEDULE. ALSO SEE PLUMBING.
 FLOOR DRAIN: SEE PLUMBING.

23. HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)
 MECHANICAL NOTES:
 A. EXISTING DUCTS TO BE REMOVED AND REPLACED WITH EXPOSED GALVANIZED SPIRAL DUCTS. ALL DUCTS AND FITTINGS SHALL BE SECURELY JOINED BY MALE OR FEMALE CONNECTING COLLAR OR SLEEVE, WITH HIGH VELOCITY DUCT SEALANT APPLIED TO THE SURFACE OF CONNECTIONS AND APPROVED FASTENING DEVICES. LONGITUDINAL SEAMS MUST BE SEALED. LAYOUT SHALL BE COORDINATED WITH ARCHITECT BUT DESIGNED BY HVAC CONSULTANT.
 EXHAUST FANS: SEE MECHANICAL.

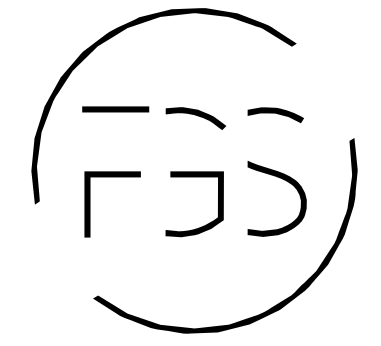
26. ELECTRICAL:
 ELECTRICAL NOTES:
 INSTALL ENERGY STAR-LABELED OR ENERGY STAR ADVANCED LIGHTING PACKAGE FOR ALL INTERIOR LIGHTING. LIGHT FIXTURES IN UNCONDITIONED SPACES MUST BE AIRTIGHT (IE, ICAT FIXTURES)
 A. LIGHTING: SURFACE MOUNTED LED LIGHT FIXTURES. SEE ELECTRICAL.

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL TRASH GENERATED BY THE CONSTRUCTION.
 2. CONTRACTOR SHALL PROVIDE FOR FIRE SAFETY AT ALL TIMES DURING CONSTRUCTION. ANY OPERATIONS UTILIZING TORCHES OR OTHER HEAT PRODUCING EQUIPMENT SHALL HAVE FIRE EXTINGUISHER PRESENT AT ALL TIMES.
 3. CONTRACTOR SHALL NOT SCALE DRAWINGS AND SHALL PROMPTLY REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR RESOLUTION.
 4. CONTRACTOR TO COMPLY WITH ALL APPLICABLE INTERNATIONAL BUILDING CODES (IBC) AND CURRENT EDITIONS OF INDUSTRY STANDARDS.
 5. CONTRACTOR SHALL DISTRIBUTE ONLY COMPLETE PLANS AND SPECIFICATIONS. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY INCONSISTENCIES PRIOR TO BIDDING AND ANY CONSTRUCTION.
 6. CONTRACTOR TO COORDINATE WITH OWNER'S REPRESENTATIVE AND SECURITY SERVICES TO GAIN ACCESS TO BUILDING FOR CONSTRUCTION.
 7. CONTRACTOR TO COORDINATE WITH OWNER'S REPRESENTATIVE FOR PARKING LOCATIONS & STAGING AREA.
 8. DESIGNATED WORK HOURS TO BE MONDAY-FRIDAY 7:00AM -5:00PM, OR AS NEGOTIATED.
 9. CONTRACTOR TO COORDINATE WITH OWNER'S REPRESENTATIVE BY EMAIL OR FAX FOR REMOVAL OF FURNISHINGS PROVIDING A MINIMUM OF THREE DAYS NOTICE.
 10. CONTRACTOR TO REVIEW GENERAL CONDITIONS IN SPECIFICATIONS FOR HOURS OF WORK, STAGING AREAS, PARKING REQUIREMENTS, ETC.
 11. THIS PROJECT IS SUBJECT TO 2018 IBC, AND THE ACCESSIBILITY STANDARDS LISTED. ANY CONFLICT BETWEEN THESE SHALL BE RESOLVED BY COMPLYING WITH THE ITEM THAT PROVIDES THE GREATEST ACCESSIBILITY.
 12. OWNER-SUPPLIED BUILT IN FURNISHINGS, FIXTURES, ACCESSORIES, AND EQUIPMENT- WHETHER OR NOT INDICATED ON DRAWINGS MAY BE REQUIRED TO COMPLY WITH ACCESSIBILITY CODES. ALL OWNER-SUPPLIED BUILT-IN FURNISHINGS, FIXTURES, ACCESSORIES, AND EQUIPMENT SHALL BE FURNISHED IN THE QUANTITIES, CONFIGURATIONS, AND LOCATIONS REQUIRED TO COMPLY WITH ACCESSIBILITY CODES.

GENERAL NOTES & SPECIFICATIONS

a002



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CITY OF SPARKS FIRE STATION 2

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 Sparks, NV 89434

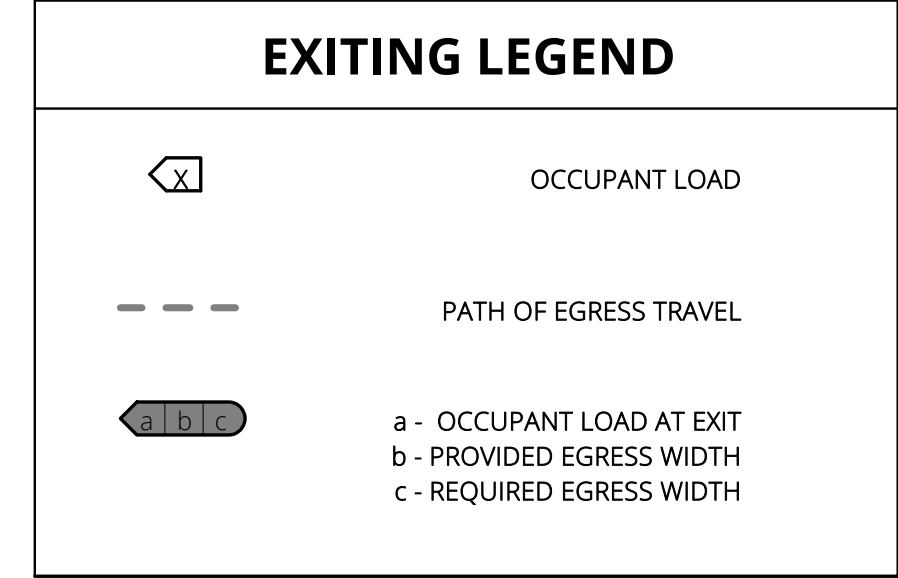
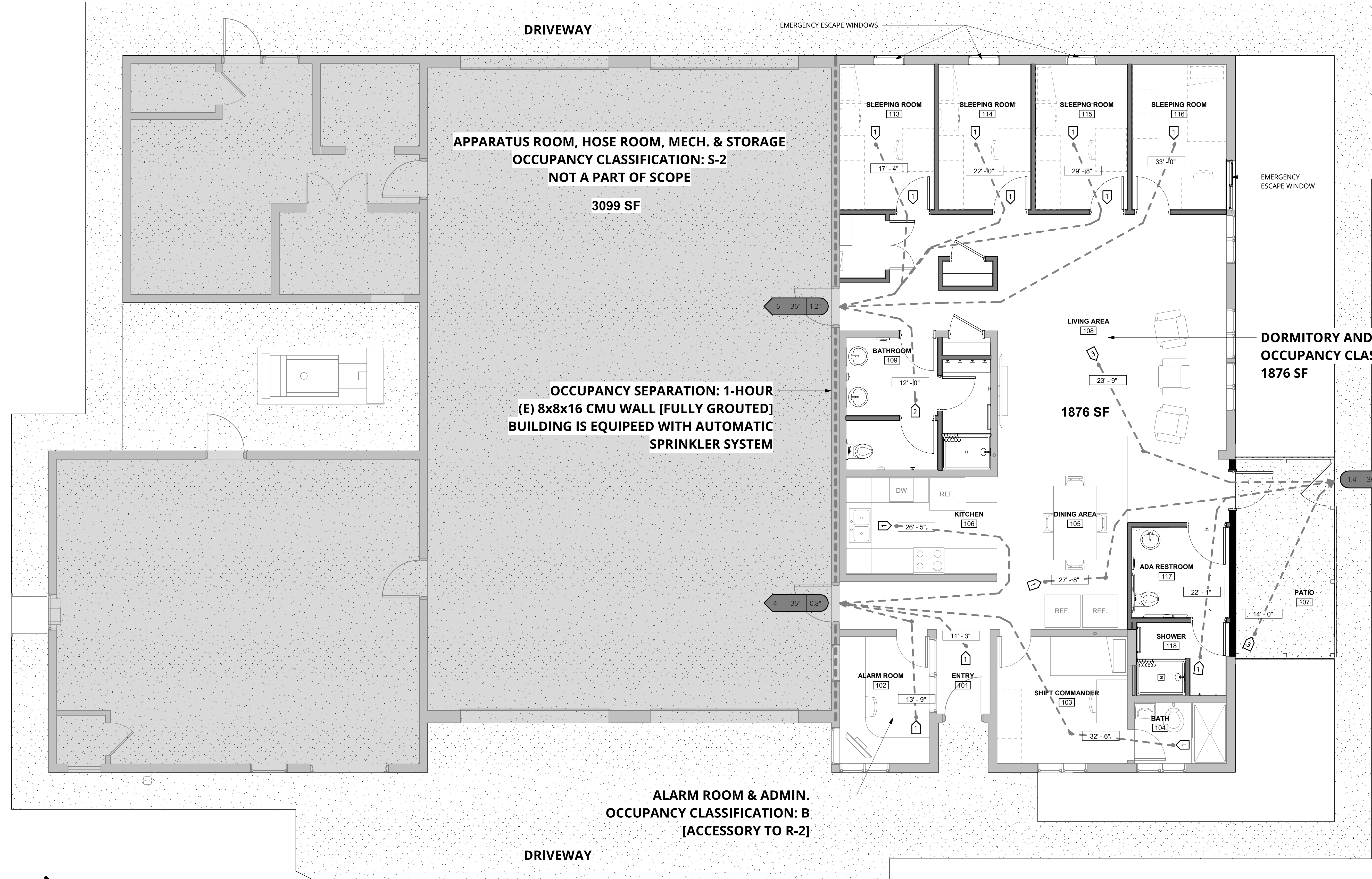


No.	Description	Date
1	Plan Review Comments	7/12/2021

FOR PERMIT 6/08/2021

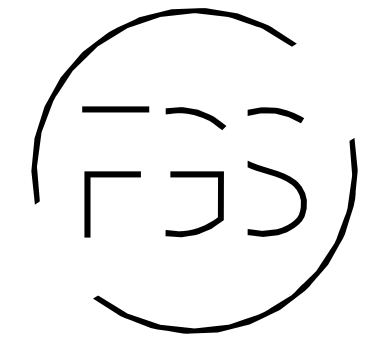
OCCUPANCY: R-2
 MAX. OCCUPANT LOAD OF SPACE: 18
 MAX. COMMON PATH OF EGRESS TRAVEL DISTANCE: 125 FEET
 EGRESS CAPACITY FACTOR: 0.2
 *BUILDING EQUIPPED WITH AUTOMATIC SPRINKLER SYSTEM
 * EXISTING BUILDING IS DESIGNED FOR AN OCCUPANT LOAD OF 18
 CURRENT FIRE DEPARTMENT STAFFING LEVELS: 5 PER SHIFT
 (10 OCCUPANTS AT SHIFT CHANGE ~30-60 MINUTES)

OCCUPANT LOAD							
ROOM NAME	NUMBER	LEVEL	AREA	FUNCTION OF SPACE	LOAD FACTOR	OCCUPANT LOAD (ROUND UP)	
ENTRY	101	GROUND FLOOR	79 SF	BUSINESS AREA	200	1	
ALARM ROOM	102	GROUND FLOOR	75 SF	BUSINESS AREA	150	1	
SHIFT COMMANDER	103	GROUND FLOOR	108 SF	SLEEPING AREA	200	1	
BATH	104	GROUND FLOOR	37 SF	ACCESSORY	0		
DINING AREA	105	GROUND FLOOR	152 SF	RESIDENTIAL	200	1	
KITCHEN	106	GROUND FLOOR	96 SF	RESIDENTIAL	200	1	
PATIO	107	GROUND FLOOR	127 SF	RESIDENTIAL	50	3	
LIVING AREA	108	GROUND FLOOR	486 SF	RESIDENTIAL & BUSINESS	200	3	
BATHROOM	109	GROUND FLOOR	47 SF	ACCESSORY	25	2	
SLEEPING ROOM	113	GROUND FLOOR	90 SF	SLEEPING AREA	200	1	
SLEEPING ROOM	114	GROUND FLOOR	87 SF	SLEEPING AREA	200	1	
SLEEPING ROOM	115	GROUND FLOOR	87 SF	SLEEPING AREA	200	1	
SLEEPING ROOM	116	GROUND FLOOR	90 SF	SLEEPING AREA	200	1	
ADA RESTROOM	117	GROUND FLOOR	58 SF	ACCESSORY	200	1	
SHOWER	118	GROUND FLOOR	42 SF	ACCESSORY	0		
GROUND FLOOR: 15			1660 SF			18	



OCCUPANT LOAD / EXIT PLAN

a003



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 Sparks, NV 89434

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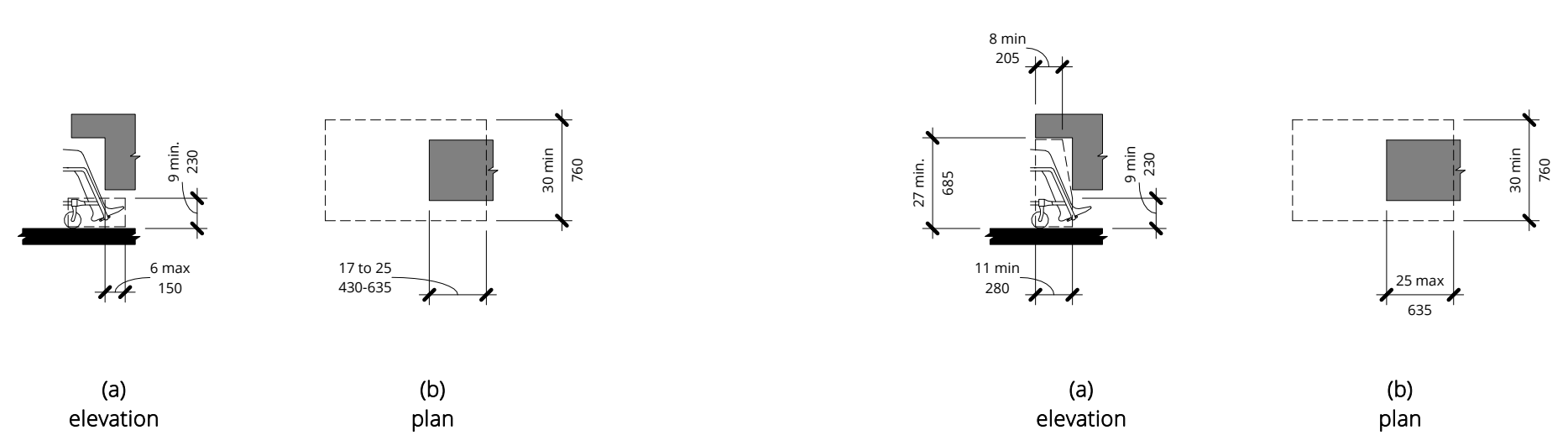


Figure 306.2
Toe Clearance

Figure 306.3
Knee Clearance

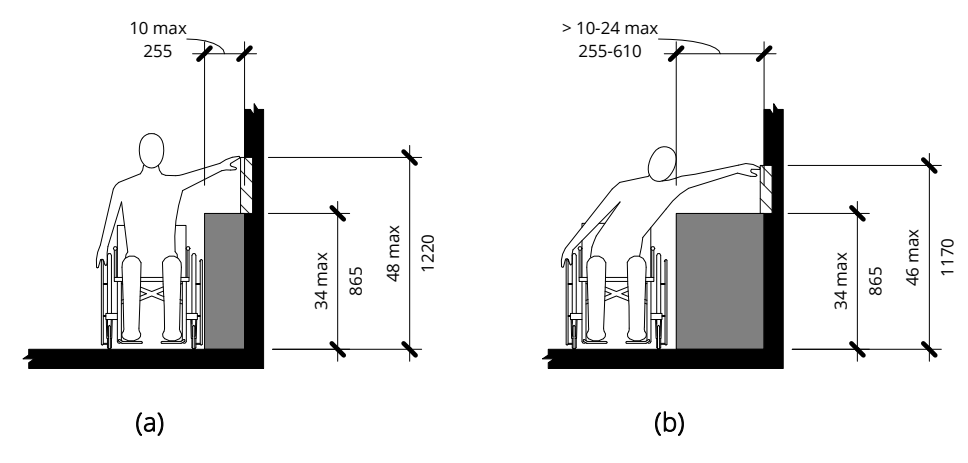


Figure 308.3.2
Obstructed High Side Reach

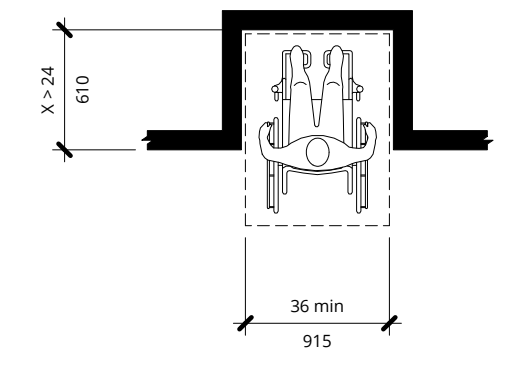


Figure 305.7.1
Maeuvering Clearance in an Alcove,
Forward Approach

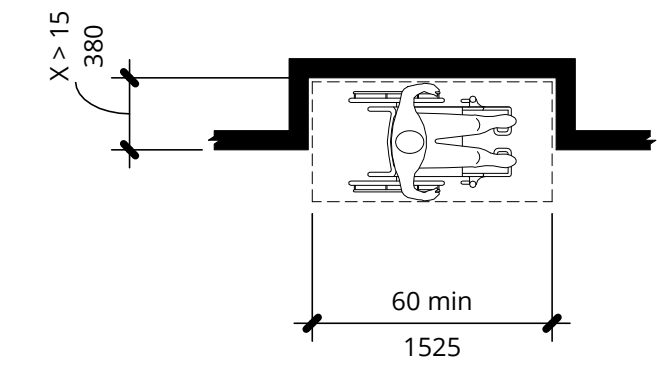


Figure 305.7.2
Maeuvering Clearance in an Alcove,
Parallel Approach

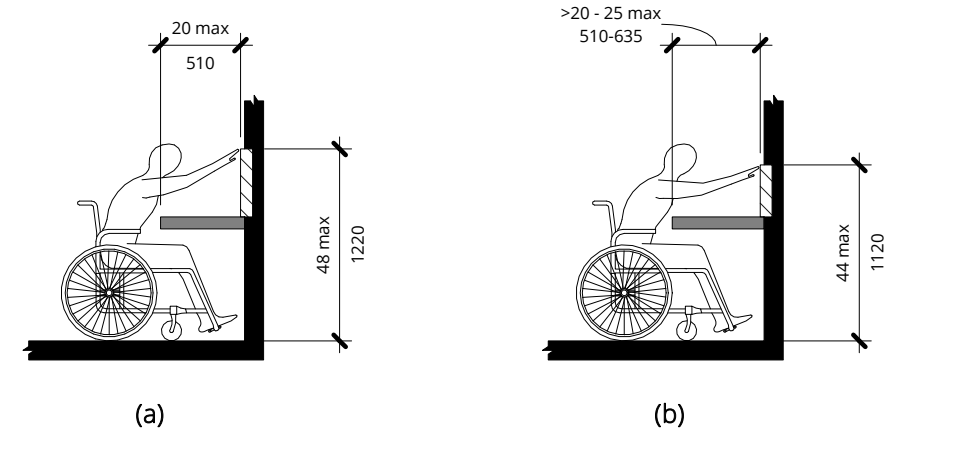


Figure 308.2.2
Obstructed High Forward Reach

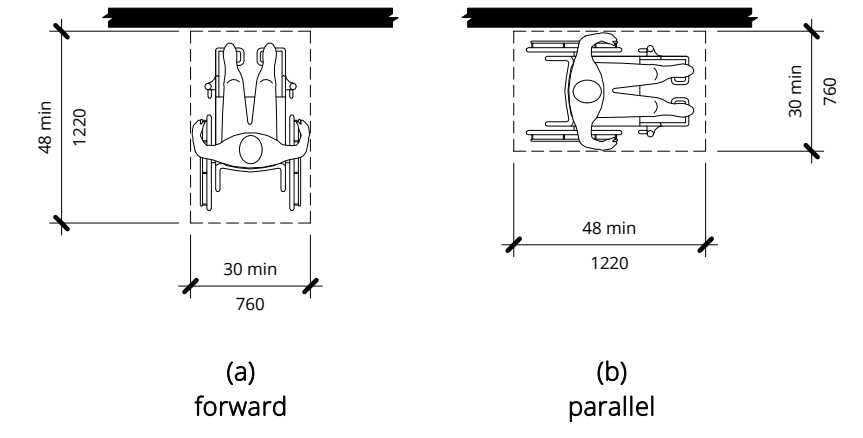


Figure 305.5
Position of Clear Floor or Ground Space

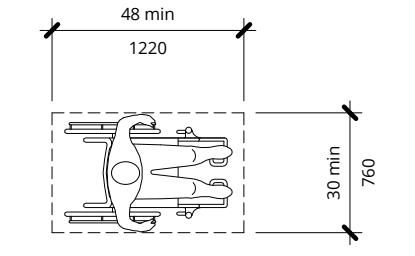


Figure 305.3
Clear Floor or Ground Space

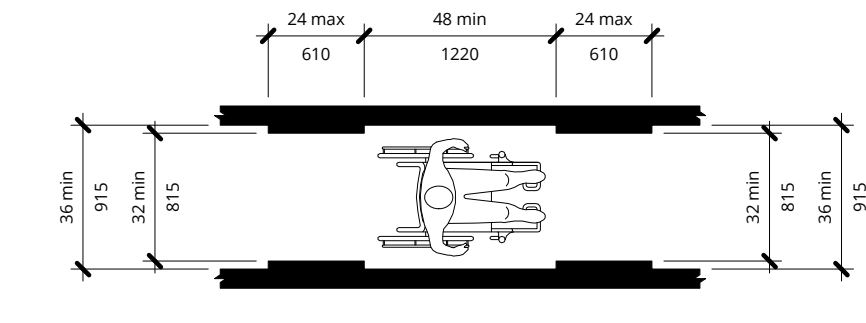


Figure 403.5.1
Clear Width of an Accessible Route

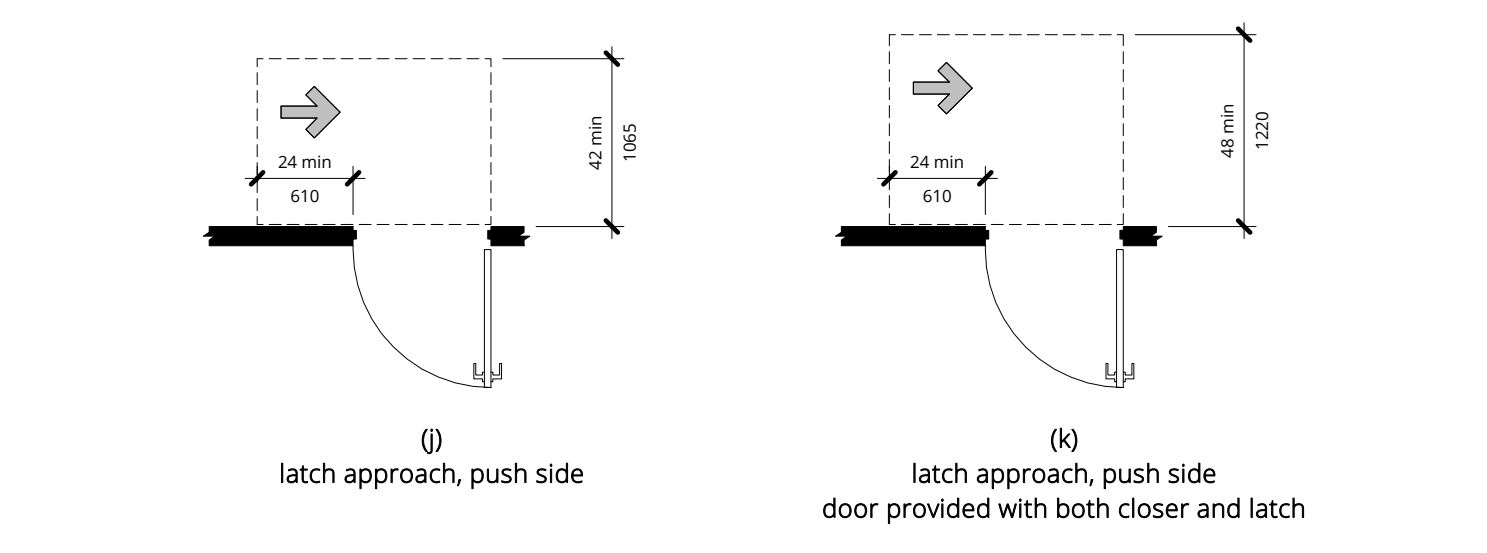
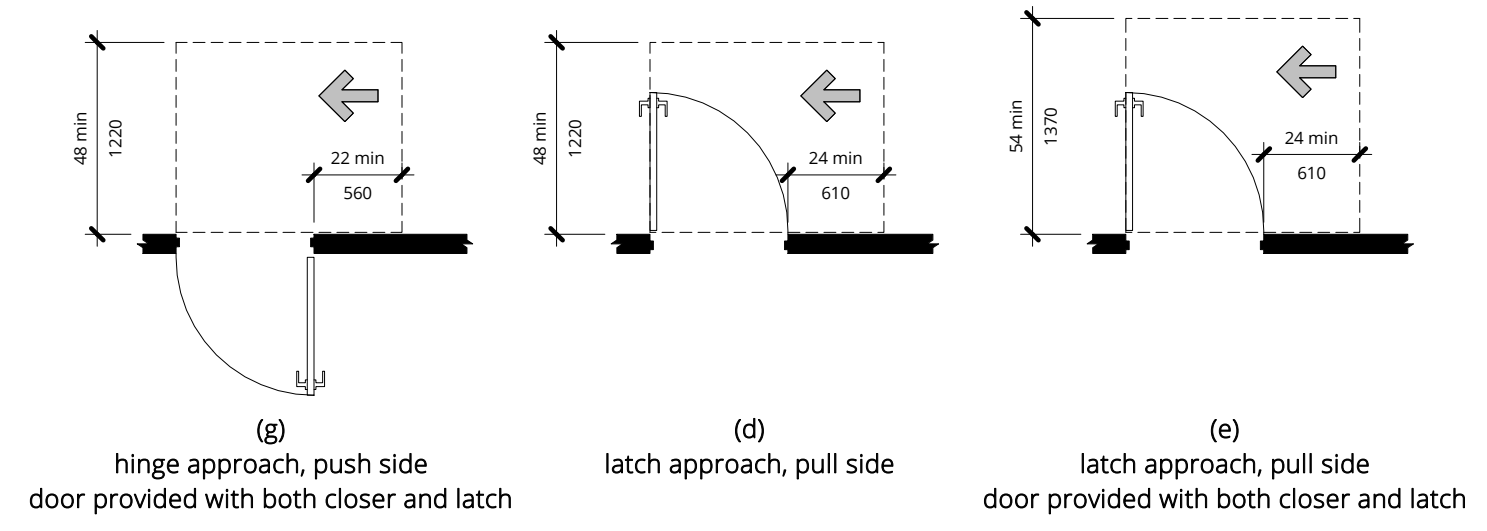
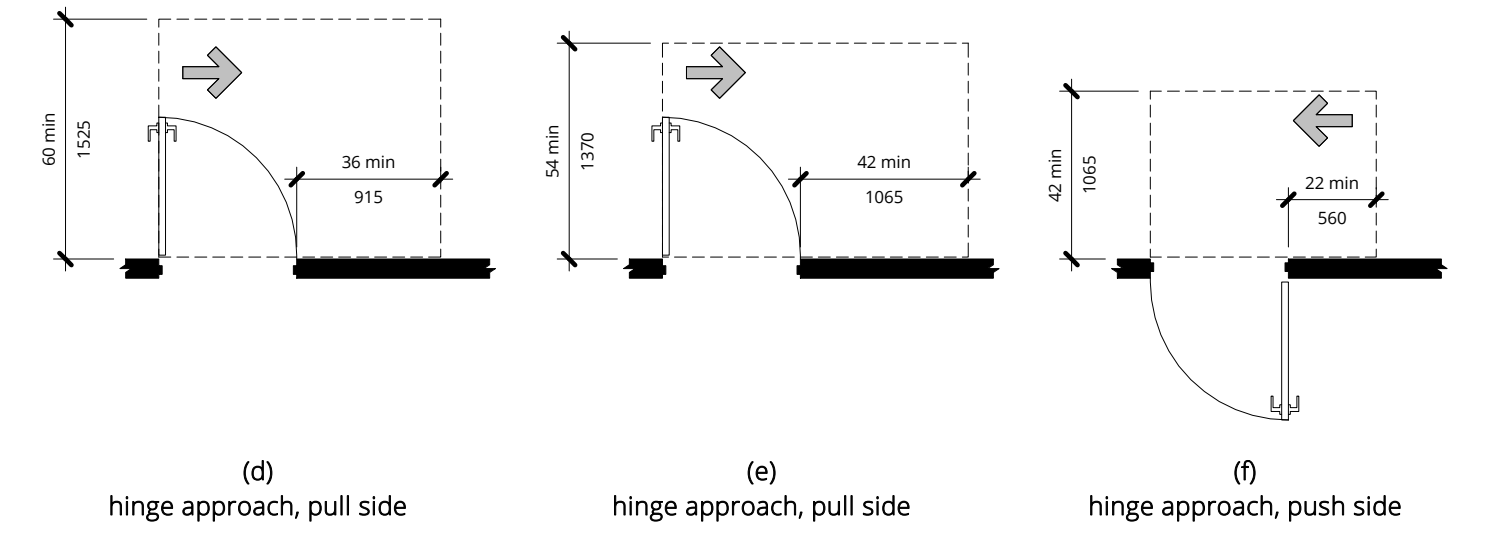
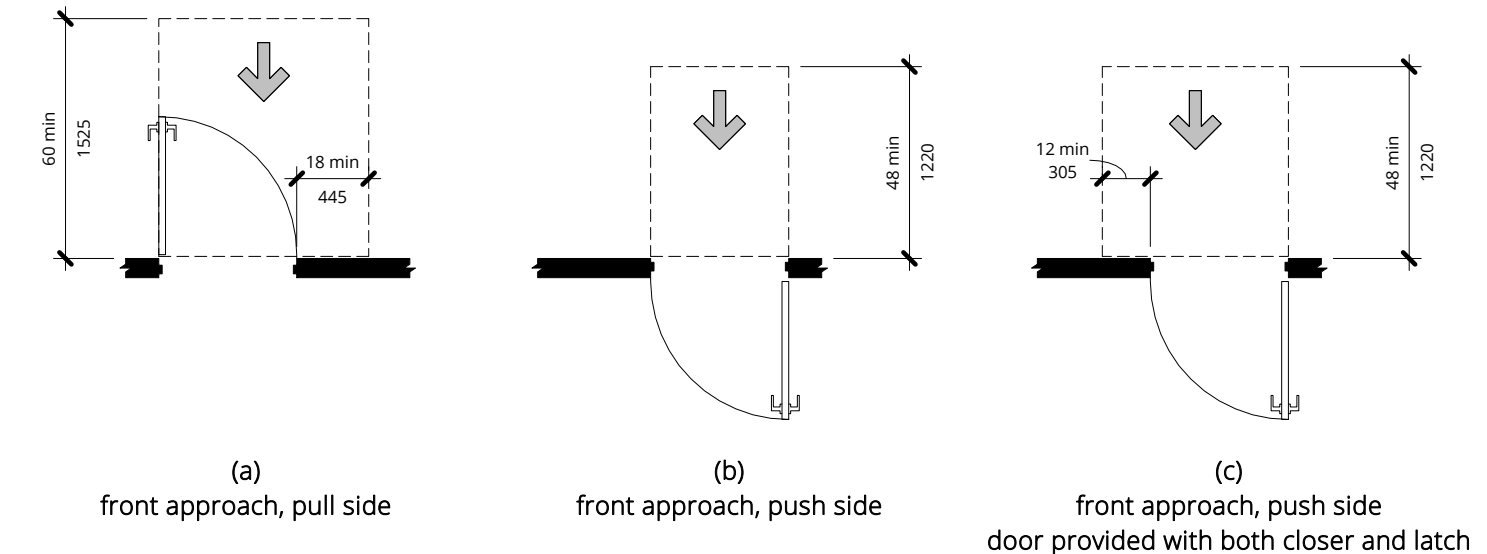


Figure 404.2.4.1
Maneuvering Clearances at Manual Swinging Doors and Gates

Convention	Description
36 915	dimension showing English units (in inches unless otherwise specified) above the line and SI units (in millimeters unless otherwise specified) below the line
6 150	dimension for small measurements
33-36 840-915	dimension showing a range with minimum - maximum
min	minimum
max	maximum
>	greater than
≥	greater than or equal to
<	less than
≤	less than or equal to
---	boundary of clear floor space or maneuvering clearance
---	centerline
---	a permitted element or its extension
→	direction of travel or approach
---	a wall, floor, ceiling or other element cut in section or plan
---	a highlighted element in elevation or plan
---	location zone of element, control or feature

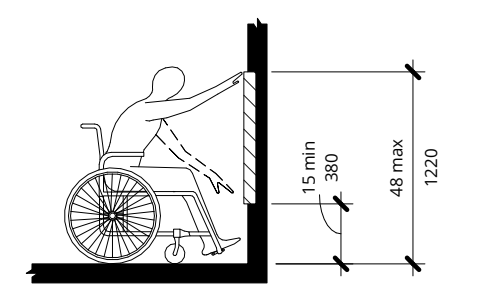


Figure 308.1
Unobstructed Forward Reach

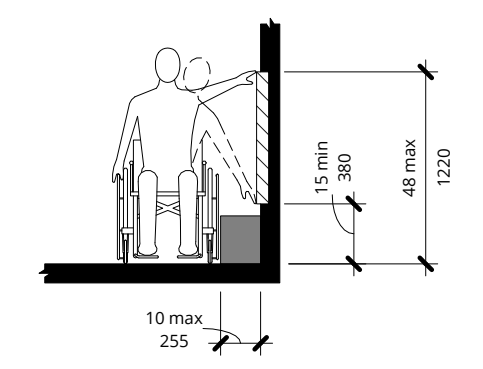
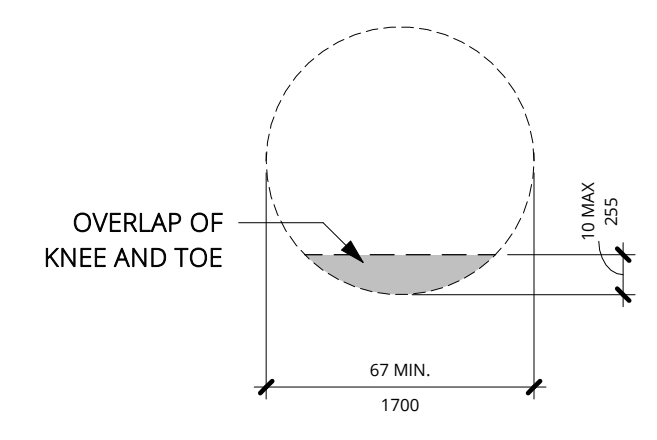
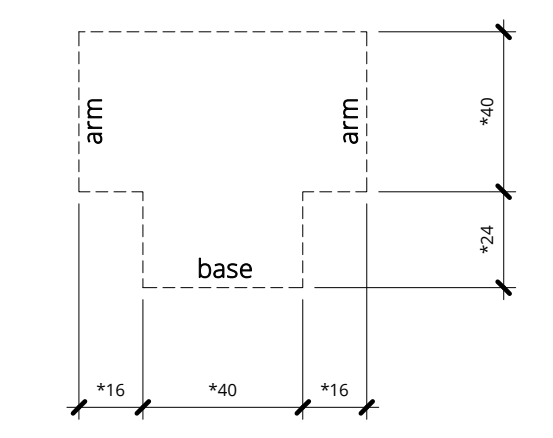


Figure 308.3.1
Unobstructed Side Reach



Circular Turning Space
*ANSI '16 Best Practice



T-Shaped Turning Space
*ANSI '16 Best Practice

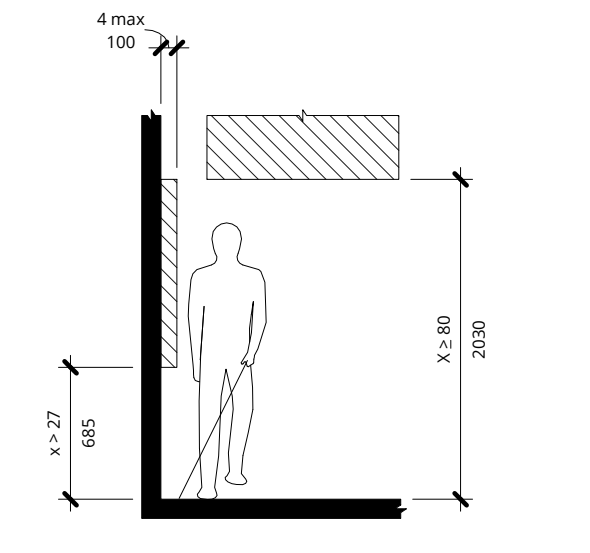


Figure 307.2
Limits of Protruding Objects

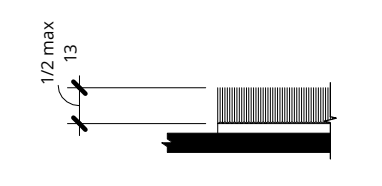


Figure 302.2
Carpet Pile Height



Figure 303.2
Vertical Change in Level

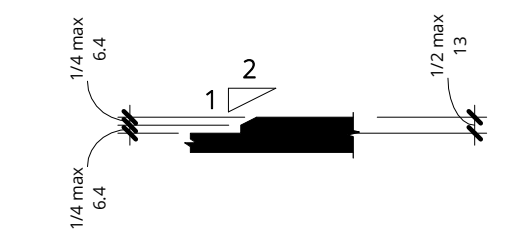
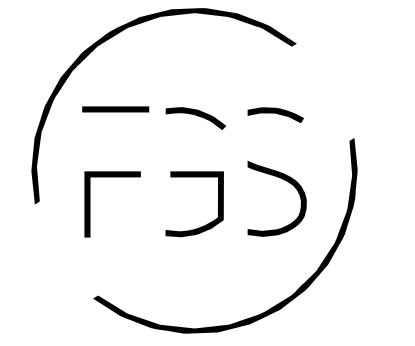


Figure 303.3
Beveled Change in Level

ACCESSIBILITY
DETAILS

a004



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No.	Description	Date



FOR PERMIT 6/08/2021



CITY OF SPARKS
 FIRE STATION 2
 2900 N. TRUCKEE LN.
 APN. 036-091-29

SITE PLAN
 a100



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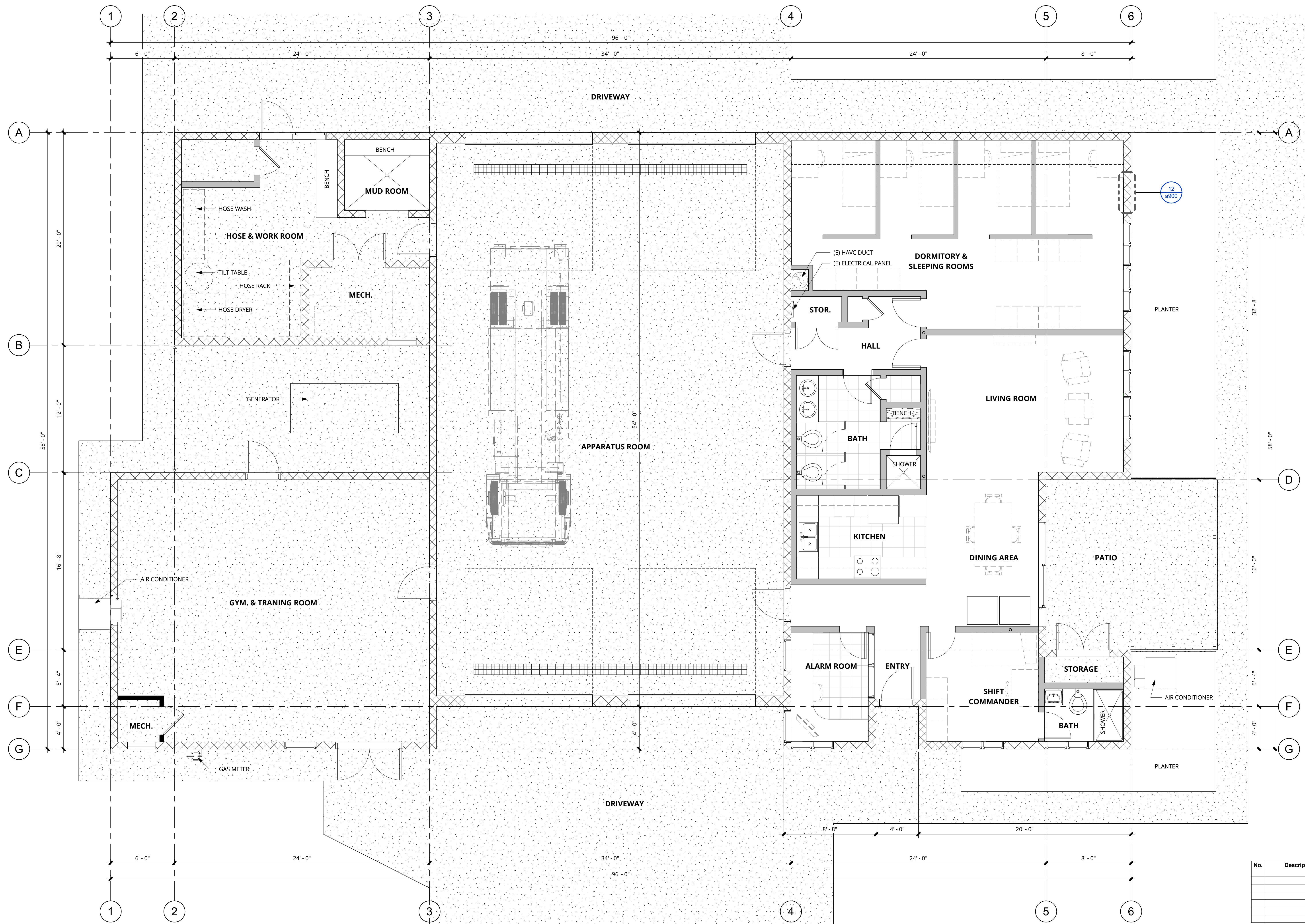
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 Sparks, NV 89434

SITE PLAN
 1" = 20'-0"

No.	Description	Date



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EXISTING FLOOR PLAN
a200



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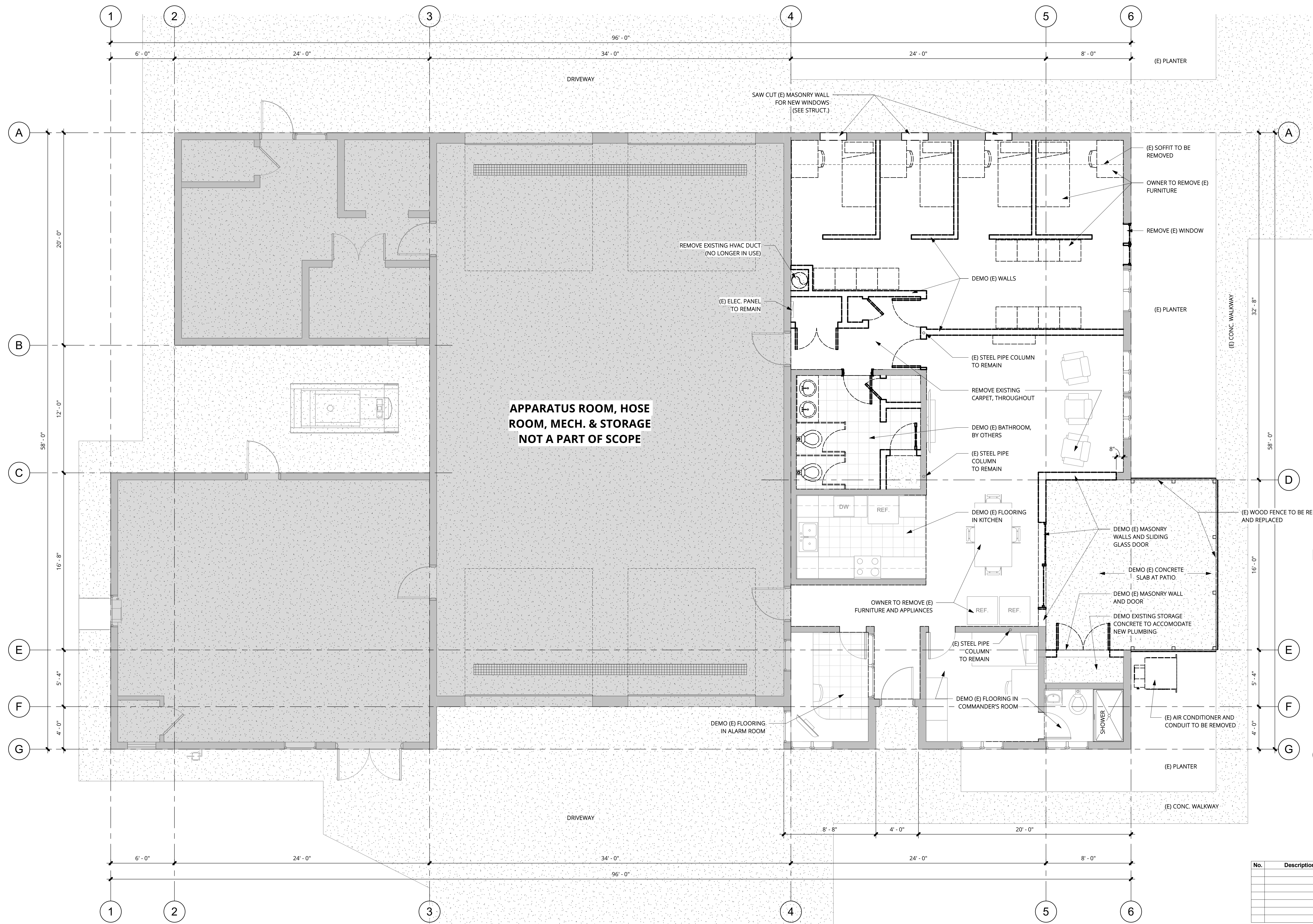
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No.	Description	Date



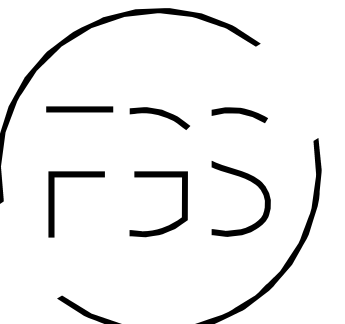
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EXISTING FLOOR PLAN
1/4" = 1'-0"



APPARATUS ROOM, HOSE ROOM, MECH. & STORAGE NOT A PART OF SCOPE

DEMO FLOOR PLAN
a201



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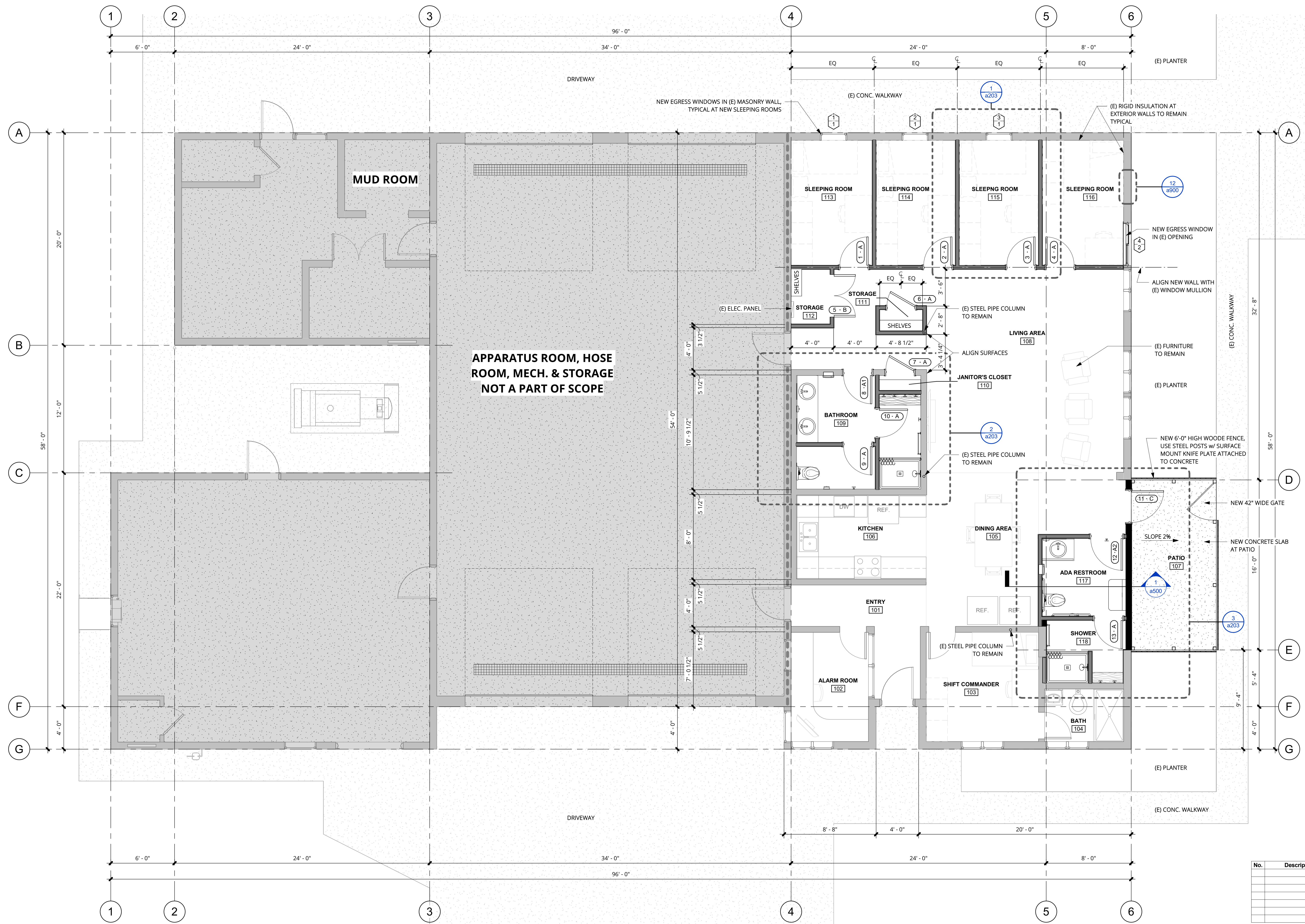
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Sparks, NV 89434

No.	Description	Date



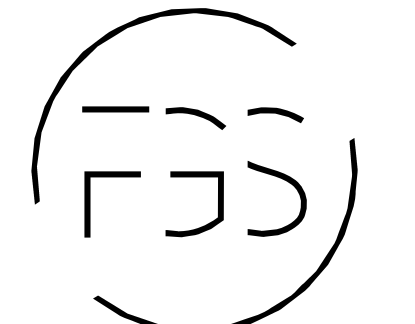
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DEMO FLOOR PLAN
1/4" = 1'-0"



PROPOSED FLOOR PLAN

a202



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FIRE STATION 2
City of Sparks, Nevada

2900 N. Truckee Ln
Sparks, NV 89434

No.	Description	Date



FOR PERMIT 6/08/2021

PROPOSED FLOOR PLAN
1/4" = 1'-0"

INTERIOR FINISH SCHEDULE									
#	ROOM	FLOOR	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING	COMMENTS
101	ENTRY	F-1	B-1	W-1	W-1	W-1	W-1	C-1	
102	ALARM ROOM	F-1	B-1						
103	SHIFT COMMANDER	F-1	B-1						
104	BATH	F-1	B-1						
105	DINING AREA	F-1	B-1	W-1	W-1	W-1	W-1	C-1	
106	KITCHEN	F-1	[E] CABINET TOE-KICK	W-1	W-1	W-1	W-1	C-1	
108	LIVING AREA	F-1	B-1	W-1	W-1	W-1	W-1	C-1	
109	BATHROOM	F-1	B-1	W-1	W-1	W-1	W-1	C-1	W-2 AT SHOWER
110	JANITOR'S CLOSET	F-1	B-1	W-1	W-1	W-1	W-1	C-1	
111	STORAGE	F-1	B-1	W-1	W-1	W-1	W-1	C-1	
112	STORAGE	F-1	B-1	W-1	W-1	W-1	W-1	C-1	
113	SLEEPING ROOM	F-1	B-1	W-1	W-1	W-1	W-1	C-1	
114	SLEEPING ROOM	F-1	B-1	W-1	W-1	W-1	W-1	C-1	
115	SLEEPING ROOM	F-1	B-1	W-1	W-1	W-1	W-1	C-1	
116	SLEEPING ROOM	F-1	B-1	W-1	W-1	W-1	W-1	C-1	
117	ADA RESTROOM	F-1	B-1	W-1	W-1	W-1/W-3	W-1/W-3	C-1	
118	SHOWER	F-1	B-1	W-1	W-1	W-1	W-1	C-1	W-2 AT SHOWER

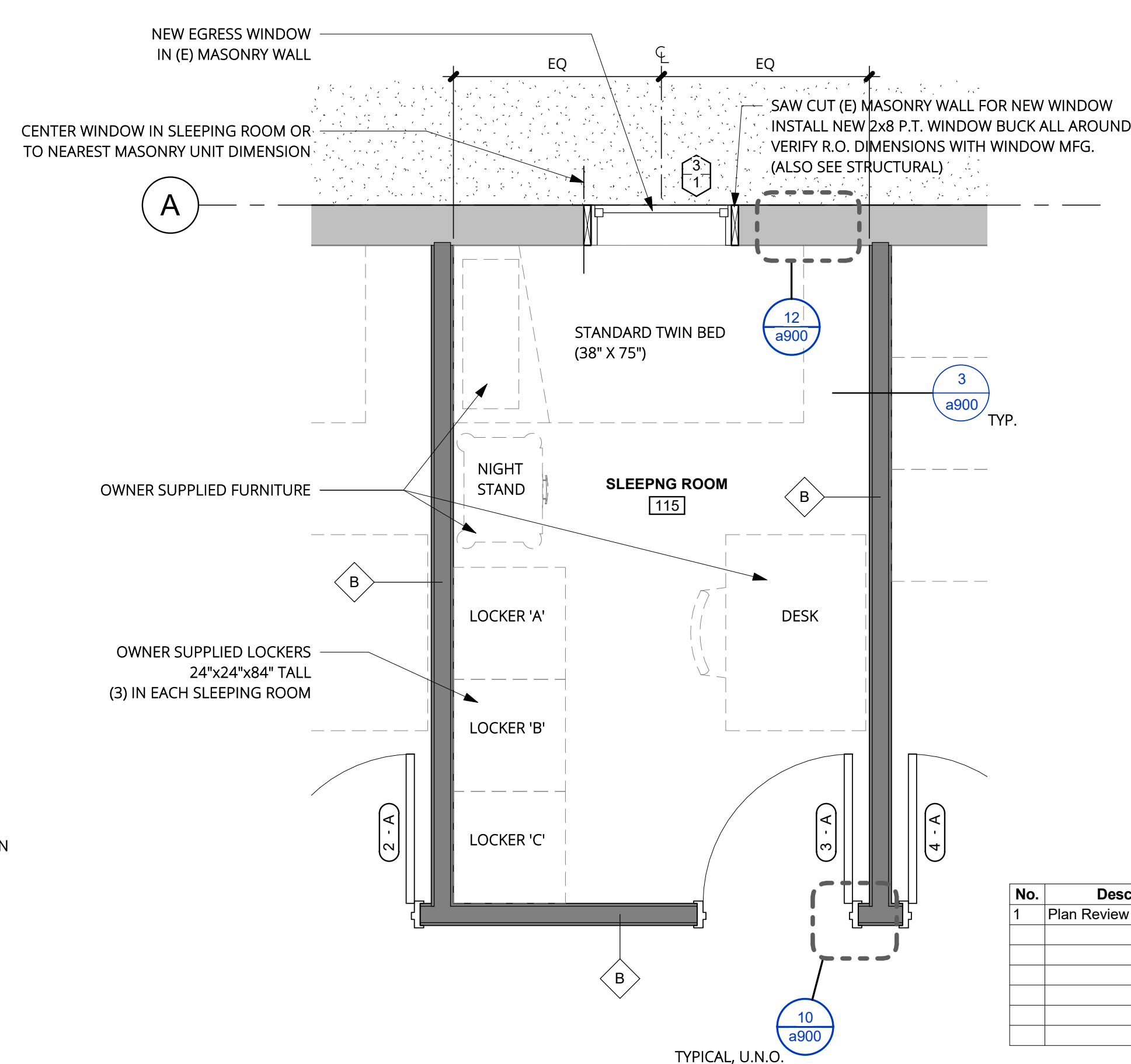
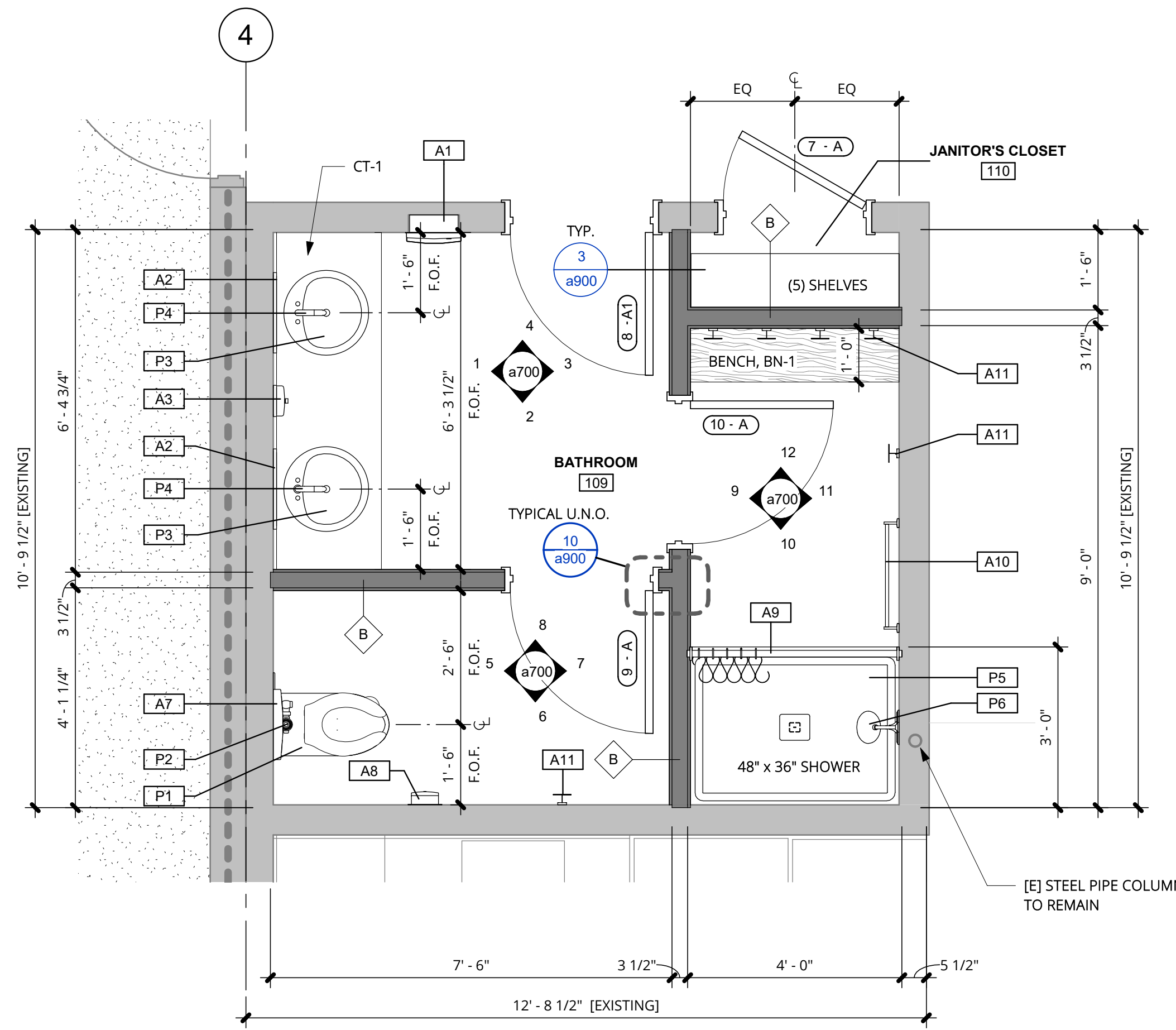
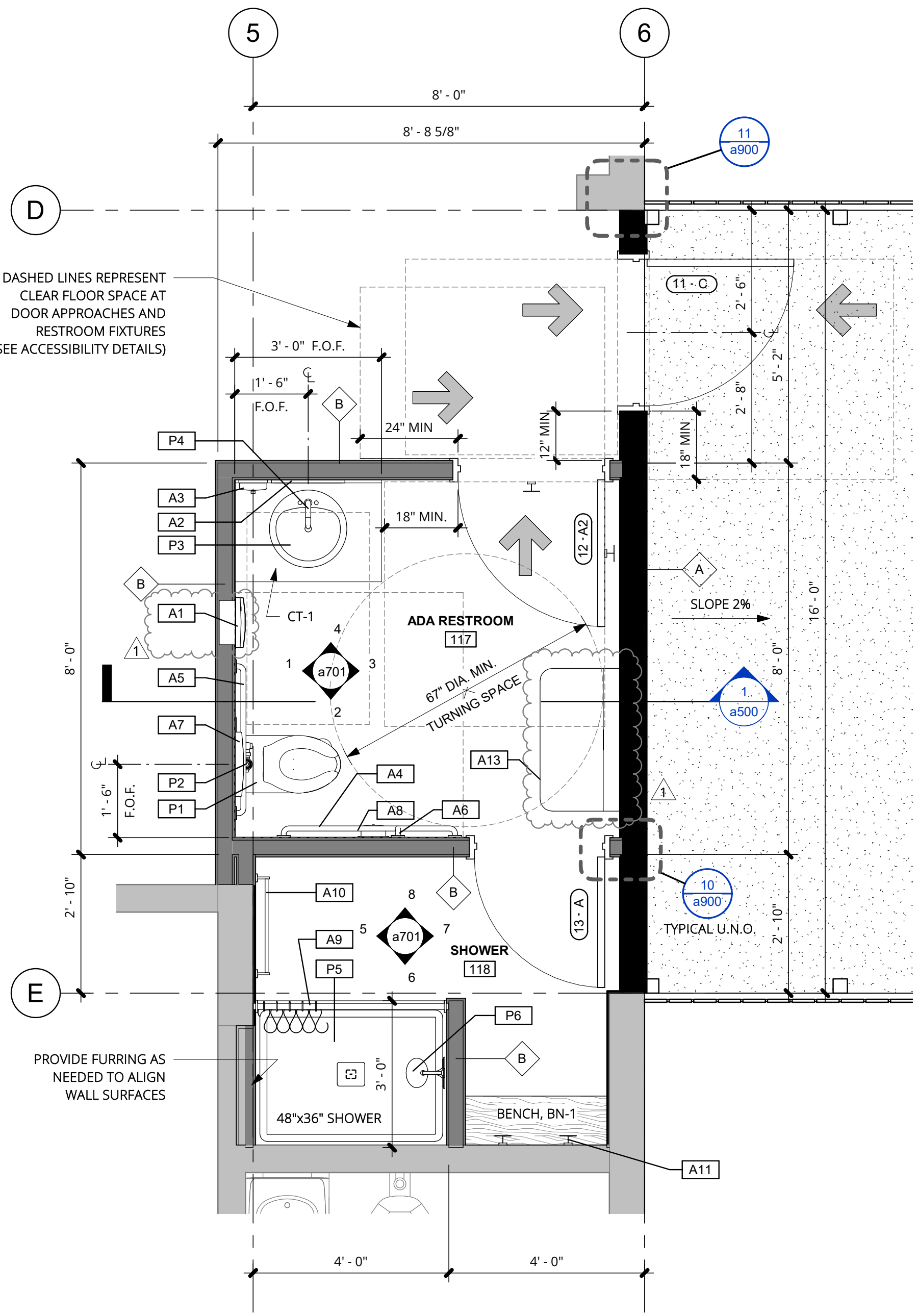
PLUMBING FIXTURE SCHEDULE					
TYPE MARK	COUNT	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS
P1	2	WALL MOUNT WATER CLOSET	American Standard	3351.101	ADA COMPLIANT, CENTOCO TOILET SEAT MODEL 500
P2	2	ELECTRONIC SENSOR FLUSHMETER	Sloan	G2 SERIES	
P3	3	BATHROOM LAVATORY	American Standard	0496.221.020	ADA COMPLIANT
P4	3	OPTIMA SENSOR FAUCET	Sloan	EAF-100	PLUG-IN TYPE
P5	2	48" x 36" ACRYLIC SHOWER BASE	American Standard	A8004L-CO.020	WITH THREE-SIDED SURROUND, COORDINATE WITH OWNER
P6	2	SHOWER ONLY TRIM KIT	American Standard	TU052500.002	WITH WATER SAVING SHOWER HEAD AND CARTRIDGE

BATHROOM ACCESSORIES SCHEDULE					
TYPE MARK	COUNT	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS
A1	2	RECESSED COMBINATION TOWEL AND WASTE UNIT	Bobrick	B-4369	
A2	3	WELDED FRAME MIRROR	Bobrick	B-290 1830	18" x 30"
A3	2	SURFACE MOUNTED SOAP DISPENSER			OWNER SUPPLIED AND INSTALLED
A4	1	42" STRAIGHT GRAB BAR - HORIZONTAL	Bobrick	B-5806x42	STAINLESS STEEL - SATIN FINISH
A5	1	36" STRAIGHT GRAB BAR - HORIZONTAL	Bobrick	B-5806x36	STAINLESS STEEL - SATIN FINISH
A6	1	18" STRAIGHT GRAB BAR - VERTICAL	Bobrick	B-5806x18	STAINLESS STEEL - SATIN FINISH
A7	2	SURFACE MOUNTED SEAT COVER DISPENSER	Bobrick	B-4221	STAINLESS STEEL - SATIN FINISH
A8	2	RECESSED MULTI-ROLL TOILET TISSUE DISPENSER	Bobrick	B-4388	STAINLESS STEEL - SATIN FINISH, NON-LOCKING
A9	2	SHOWER CURTAIN ROD w/ HOOKS & CURTAIN	Bobrick	B-6107 x 48	STAINLESS STEEL - SATIN FINISH, VINYL CURTAIN
A10	2	24" TOWEL BAR	Bobrick	B-674 x 24	
A11	9	SURFACE MOUNTED ROBE HOOK	Bobrick	B-6727	
A12	3	WALL MOUNTED STAINLESS STEEL SHELF	Bobrick	B-295	
A13	1	BABY CHANGING STATION	KOALA KARE PRODUCTS	KB200-00	HORIZONTAL WALL MOUNTED, COLOR 00 CREAM

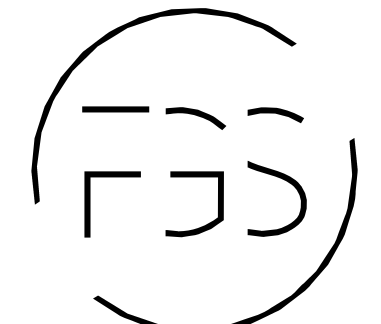
WALL TYPES LEGEND	
	EXISTING WALL TO REMAIN
	EXISTING SEPARATION WALL TO REMAIN
	NEW EXTERIOR STUDWALL 2x4 STUDS @ 16" O.C. R-21 BATT INSULATION INTERIOR FINISH - 5/8" GYPSUM WALL BOARD (USE MOLD/MOISTURE RESISTANT GYPSUM WALL BOARD AT BATHROOMS AND SHOWER ROOMS) EXTERIOR FINISH: MATCH EXISTING WOOD SIDING OVER APPROVED WEATHER RESISTANT BARRIER
	NEW INTERIOR STUDWALL 2x4 STUDS @ 16" O.C. 3-1/2" SOUND ATTENUATION BATT INSULATION INTERIOR FINISH - 5/8" GYPSUM WALL BOARD, EACH SIDE (USE MOLD/MOISTURE RESISTANT GYPSUM WALL BOARD AT BATHROOMS AND SHOWER ROOMS)

FINISH MATERIALS	
FLOOR	F-1: EXISTING FLOOR SURFACE SHALL BE REMOVED AND REPLACED AS INDICATED IN PLANS. FILL ALL CRACKS, CHIPS, OR DIVOTS WITH APPROVED PATCHING COMPOUND. NEW FLOORING: LUXURY VINYL TILE (LVT); J+J FLOORING, FRAMEWORK V5001. INSTALL PER MANUFACTURER'S INSTRUCTIONS. COLOR: BEAM 1015
BASE	B-1: 4" THERMOSET RUBBER WALL BASE - BURKE FLOORING TYPE TS
WALL	W-1: GYPSUM BOARD, LEVEL 4 - SMOOTH FINISH SHERWIN WILLIAMS INTERIOR ACRYLIC LATEX SEMI-GLOSS, SW1011 WHITE W-2: ACRYLIC OR FIBERGLASS THREE-SIDED SHOWER SURROUND. COORDINATE WITH OWNER. W-3: FIBERGLASS REINFORCED PLASTIC (FRP) BY MARLITE, OR APPROVED EQUAL. COORDINATE TEXTURE, STYLE, AND COLOR WITH OWNER.
CEILING	C-1: GYPSUM BOARD, LEVEL 4 - SMOOTH FINISH SHERWIN WILLIAMS INTERIOR ACRYLIC LATEX SEMI-GLOSS, SW1011 WHITE
COUNTERTOP	CT-1: SOLID SURFACE COUNTERTOP CORIAN, SILESTONE, OR APPROVED EQUAL. COORDINATE WITH OWNER.
BENCH	BN-1: WOOD SHOWER BENCH, COORDINATE WITH OWNER.

SEE SHEET a800 FOR DOOR SCHEDULE.



ENLARGED FLOOR PLANS
a203



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CITY OF SPARKS
FIRE STATION 2
City of Sparks, Nevada
2900 N. Truckee Ln
Sparks, NV 89434

No.	Description	Date
1	Plan Review Comments	7/12/2021



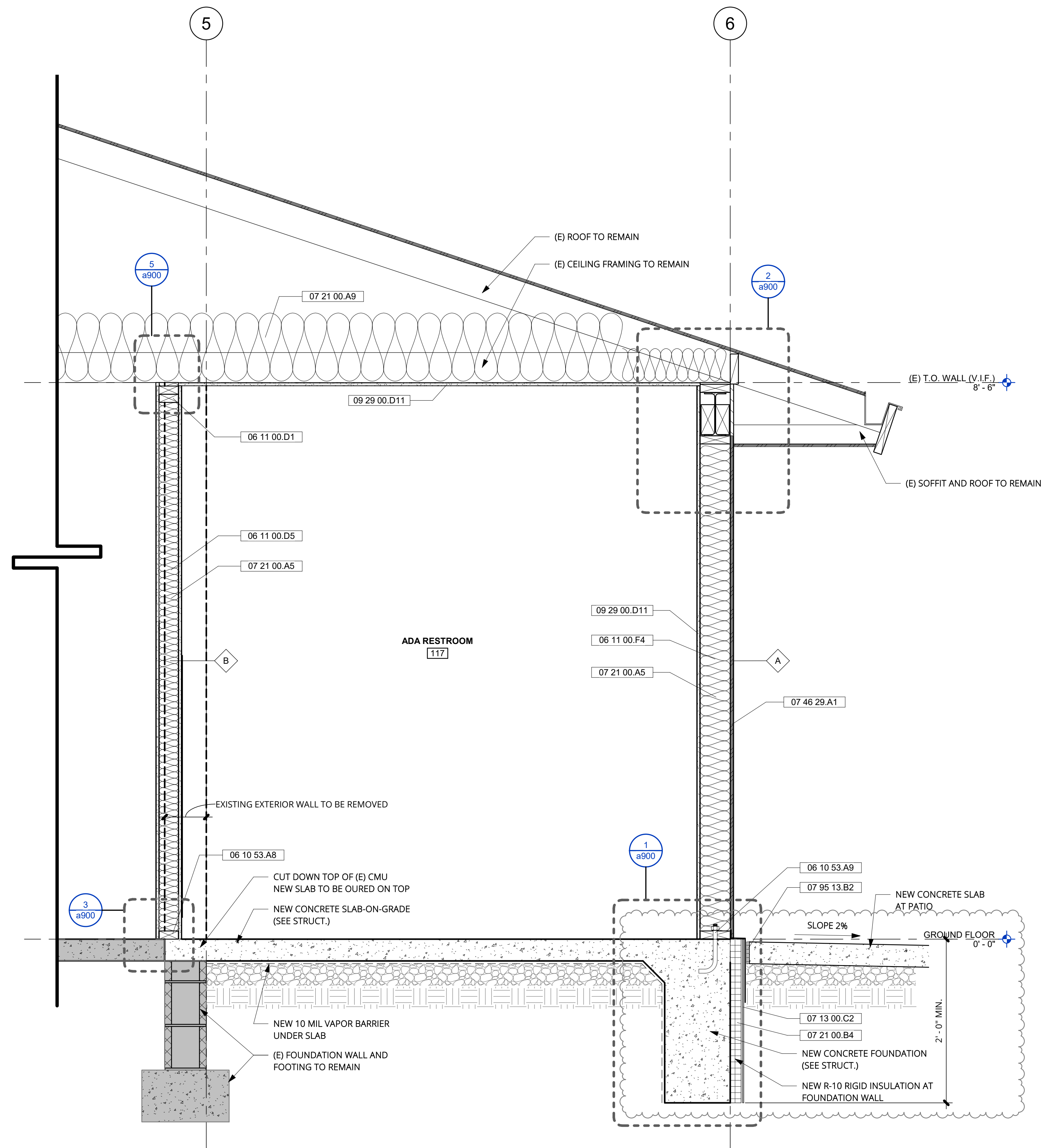
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3 ENLARGED BATHROOM ADDITION
1/2" = 1'-0" REFERENCE - a202.1

2 ENLARGED BATHROOM PLAN
1/2" = 1'-0" REFERENCE - a202.1

1 ENLARGED SLEEPING ROOM PLAN
1/2" = 1'-0" REFERENCE - a202.1

KEYNOTE LEGEND	
#	KEYNOTE TEXT
06 10 53.A8	2x4, pressure treated
06 10 53.A9	Sill Plate and Anchor Bolts, see structural drawings
06 11 00.D1	2x4
06 11 00.D5	2x4 Framing @ 16" O.C.
06 11 00.F4	2x6 Framing @ 16" O.C.
07 13 00.C2	1/4" Protection Board
07 21 00.A5	R-21 Batt Insulation
07 21 00.A9	R-38 Batt Insulation
07 21 00.B4	2" Rigid Insulation
07 46 29.A1	Plywood Siding
07 95 13.B2	1/2" Expansion Joint
09 29 00.D11	5/8" Type "X" Gypsum Wallboard



1 PARTIAL BUILDING SECTION AT NEW ADA RESTROOM ADDITION
1" = 1'-0"

SECTIONS
a500



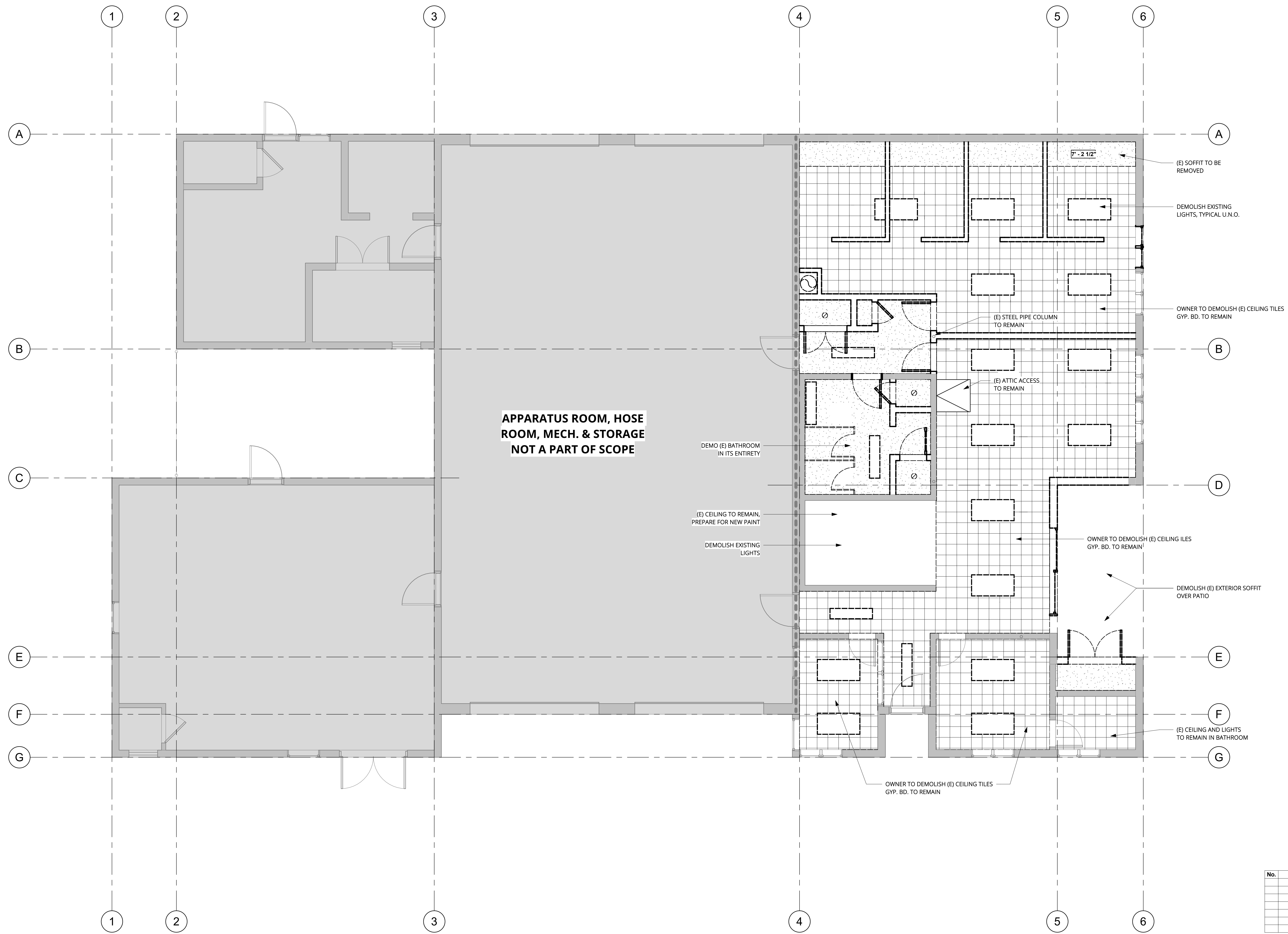
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FOR PERMIT 6/08/2021



APPARATUS ROOM, HOSE ROOM, MECH. & STORAGE NOT A PART OF SCOPE

DEMO (E) BATHROOM IN ITS ENTIRETY

(E) CEILING TO REMAIN, PREPARE FOR NEW PAINT

DEMOLISH EXISTING LIGHTS

(E) SOFFIT TO BE REMOVED

DEMOLISH EXISTING LIGHTS, TYPICAL U.N.O.

OWNER TO DEMOLISH (E) CEILING TILES GYP. BD. TO REMAIN

(E) STEEL PIPE COLUMN TO REMAIN

(E) ATTIC ACCESS TO REMAIN

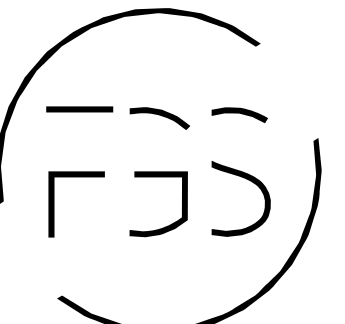
OWNER TO DEMOLISH (E) CEILING TILES GYP. BD. TO REMAIN

DEMOLISH (E) EXTERIOR SOFFIT OVER PATIO

(E) CEILING AND LIGHTS TO REMAIN IN BATHROOM

OWNER TO DEMOLISH (E) CEILING TILES GYP. BD. TO REMAIN

DEMO CEILING PLAN
a600



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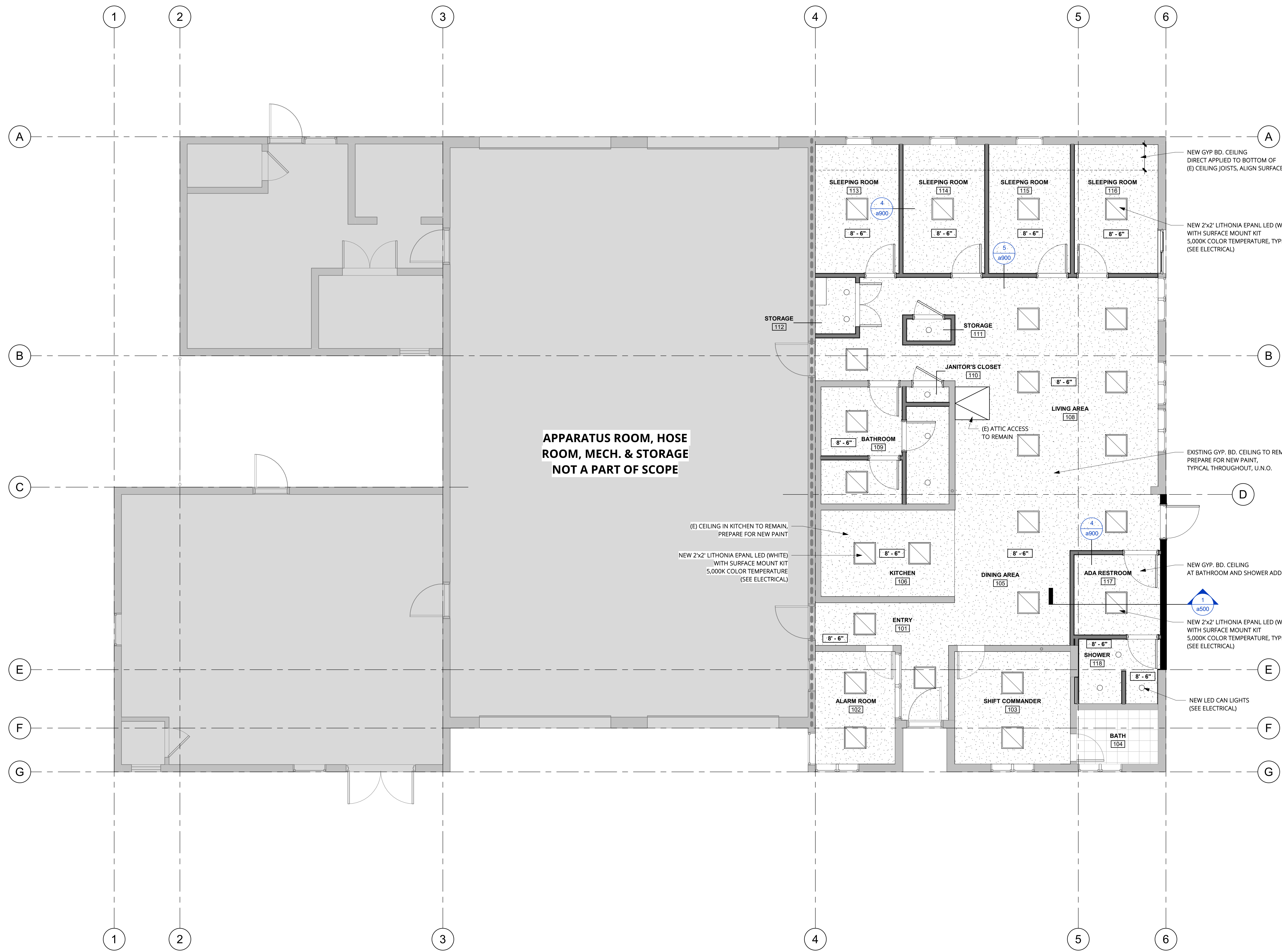
**CITY OF SPARKS
FIRE STATION 2**
City of Sparks, Nevada

2900 N. Truckee Ln
Sparks, NV 89434

No.	Description	Date



FOR PERMIT 6/08/2021



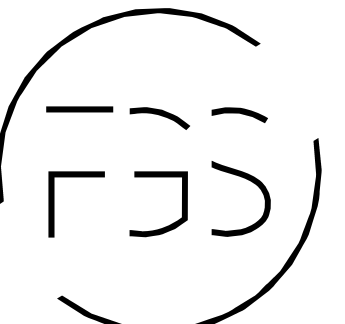
CEILING LEGEND

- 5/8" GYP. BD. CEILING TO INDICATED HEIGHT
- [E] CEILING TILES TO REMAIN
- 2'x2' LED LIGHT PANEL SURFACE MOUNTED
- 6" RECESSED LED FIXTURE

APPARATUS ROOM, HOSE ROOM, MECH. & STORAGE NOT A PART OF SCOPE

PROPOSED REFLECTED CEILING PLAN

a601



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CITY OF SPARKS FIRE STATION 2
City of Sparks, Nevada

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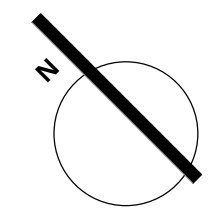
No.	Description	Date



FOR PERMIT 6/08/2021

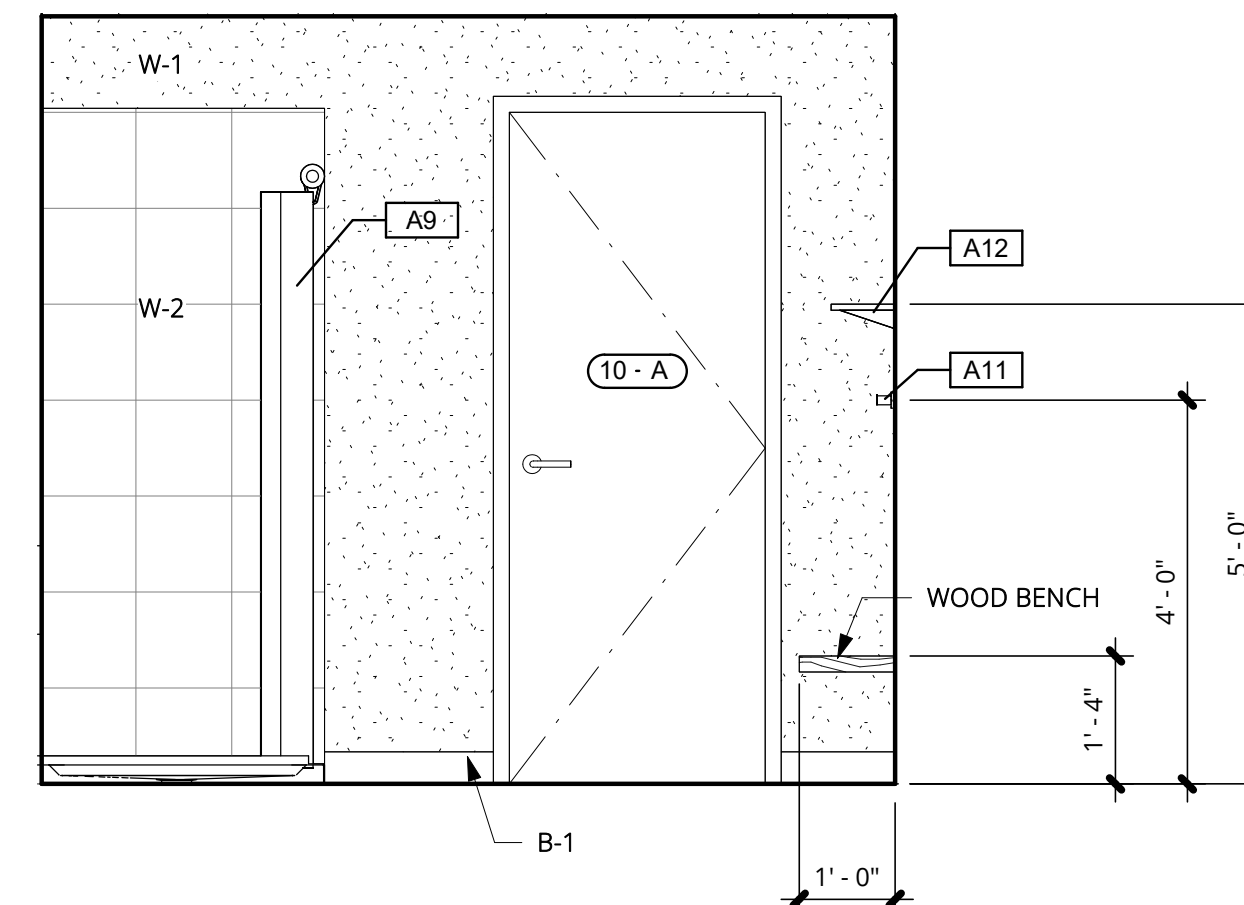
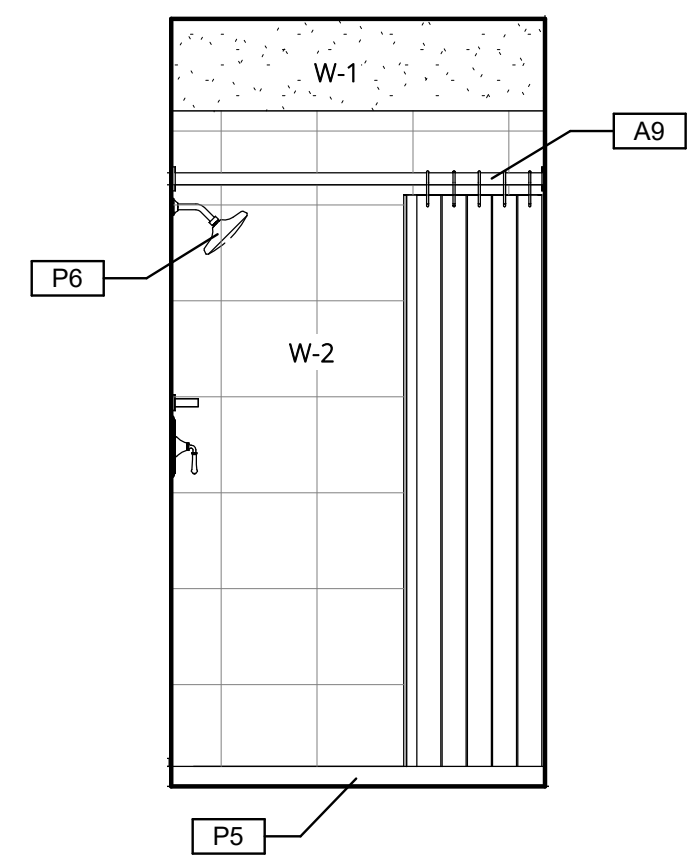
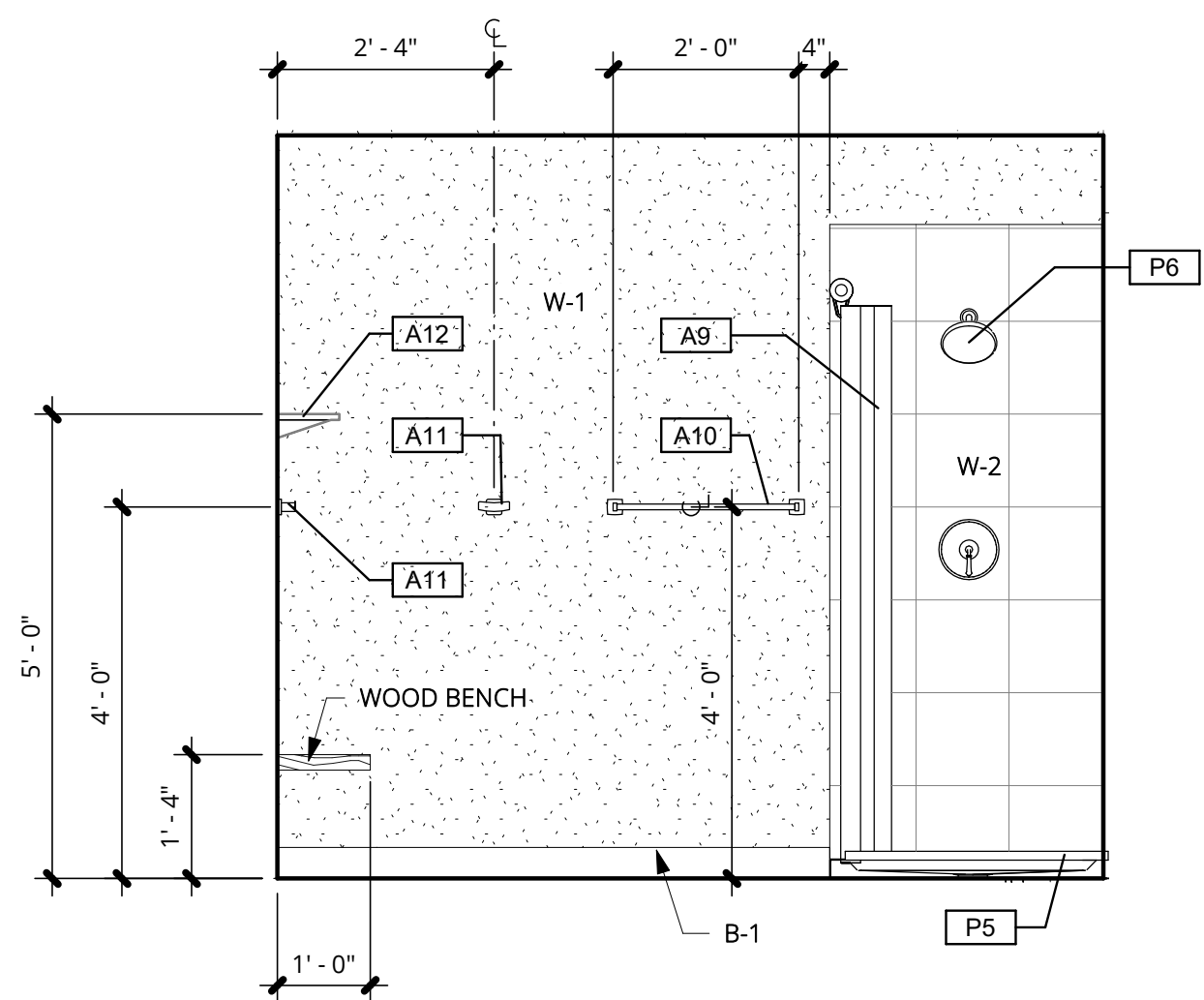
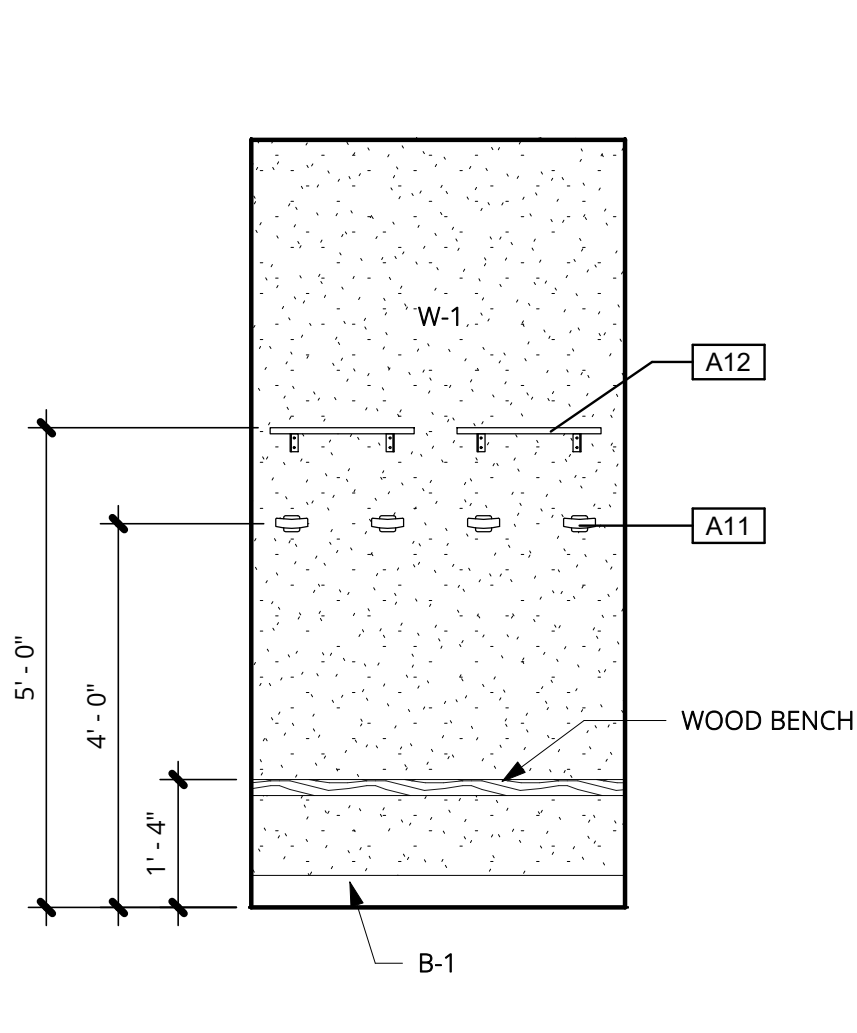
PROPOSED REFLECTED CEILING PLAN

1/4" = 1'-0"



INTERIOR ELEVATION NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. CONTRACTOR SHALL BE RESPONSIBLE TO "PROTECT IN PLACE" ANY BUILDING ELEMENT OR OWNER FURNISHINGS NOT INCLUDED IN THE SCOPE OF WORK DURING CONSTRUCTION.
3. DO NOT SCALE THE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE.
4. DIMENSIONS AT INTERIOR ELEVATIONS ARE FROM FACE-OF-FINISH (F.O.F.) TO FACE-OF-FINISH, UNLESS NOTED OTHERWISE.
5. SEE SCHEDULES FOR PLUMBING FIXTURE AND ACCESSORIES DESCRIPTIONS.
6. PROVIDE SOLID BACKING/BLOCKING BEHIND ALL WALL MOUNTED ACCESSORIES.
7. ALL FINISH MATERIALS NOT SPECIFIED SHALL BE COORDINATED WITH OWNER AND/OR ARCHITECT.
8. WHERE NEW CONSTRUCTION MEETS EXISTING, ALIGN SURFACES AND MATCH MATERIALS, TEXTURES, AND FINISHES.

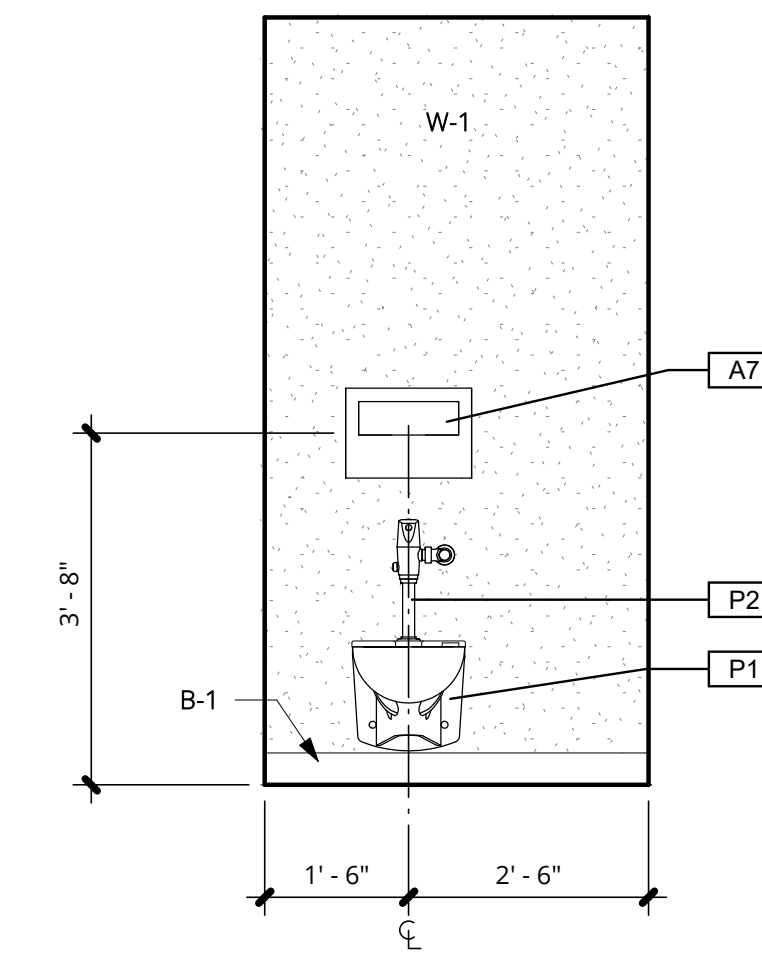
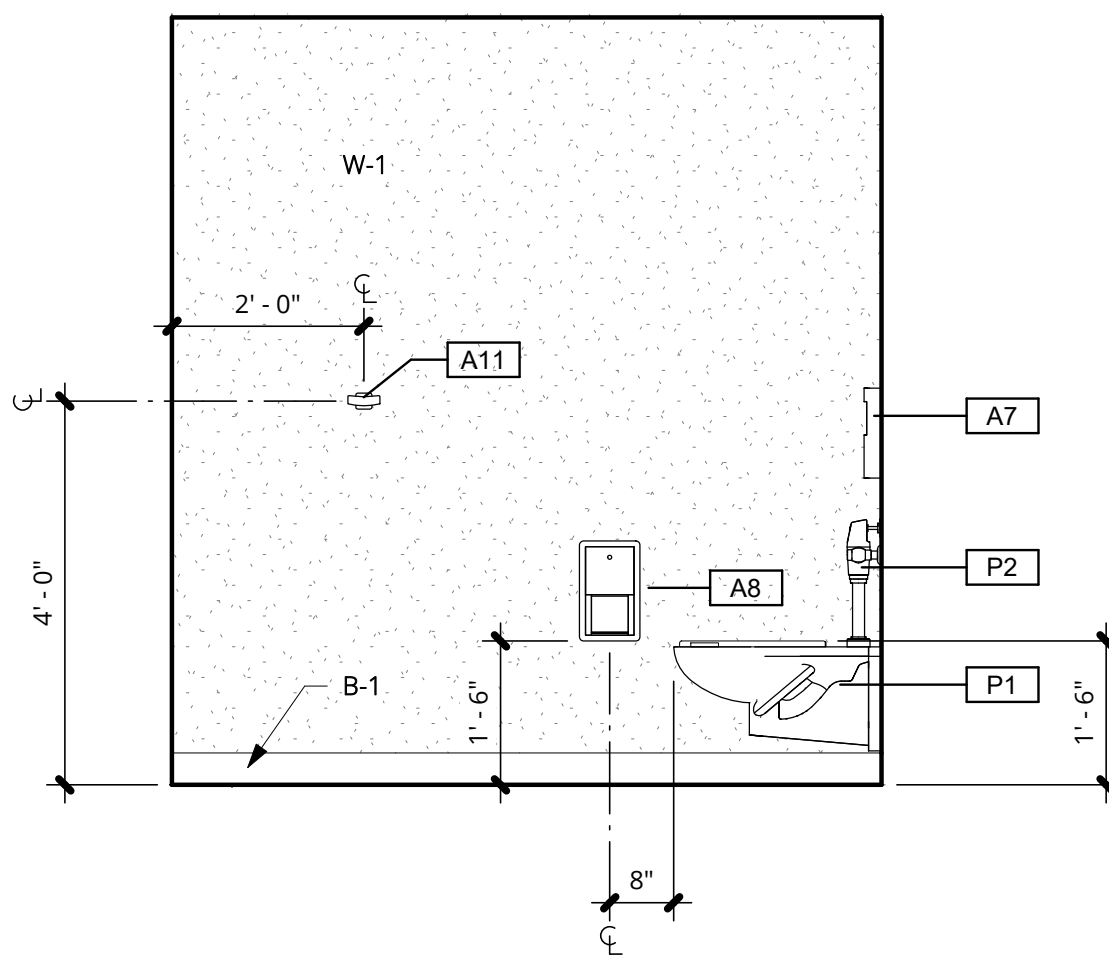
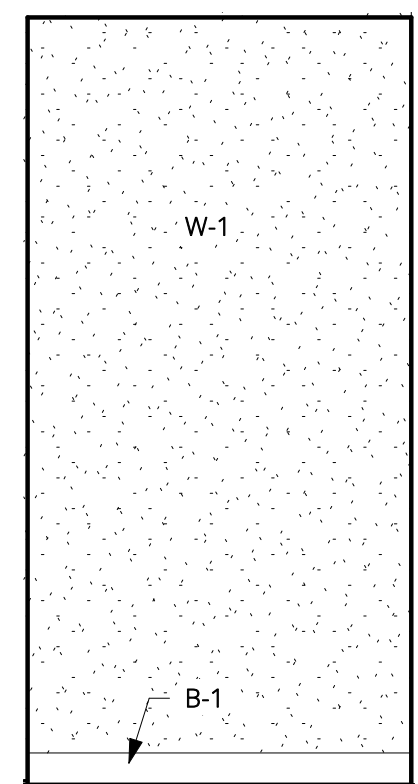
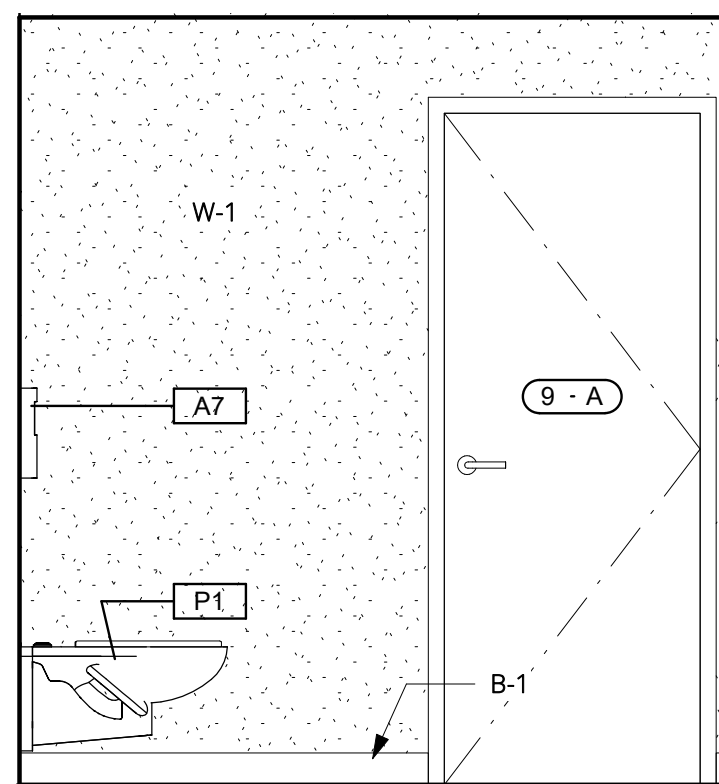


12 SHOWER 110 ELEV. 4
1/2" = 1'-0" REFERENCE - a203.2

11 SHOWER 110 ELEV. 3
1/2" = 1'-0"

10 SHOWER 110 ELEV. 2
1/2" = 1'-0" REFERENCE - a203.2

9 SHOWER 110 ELEV. 1
1/2" = 1'-0"

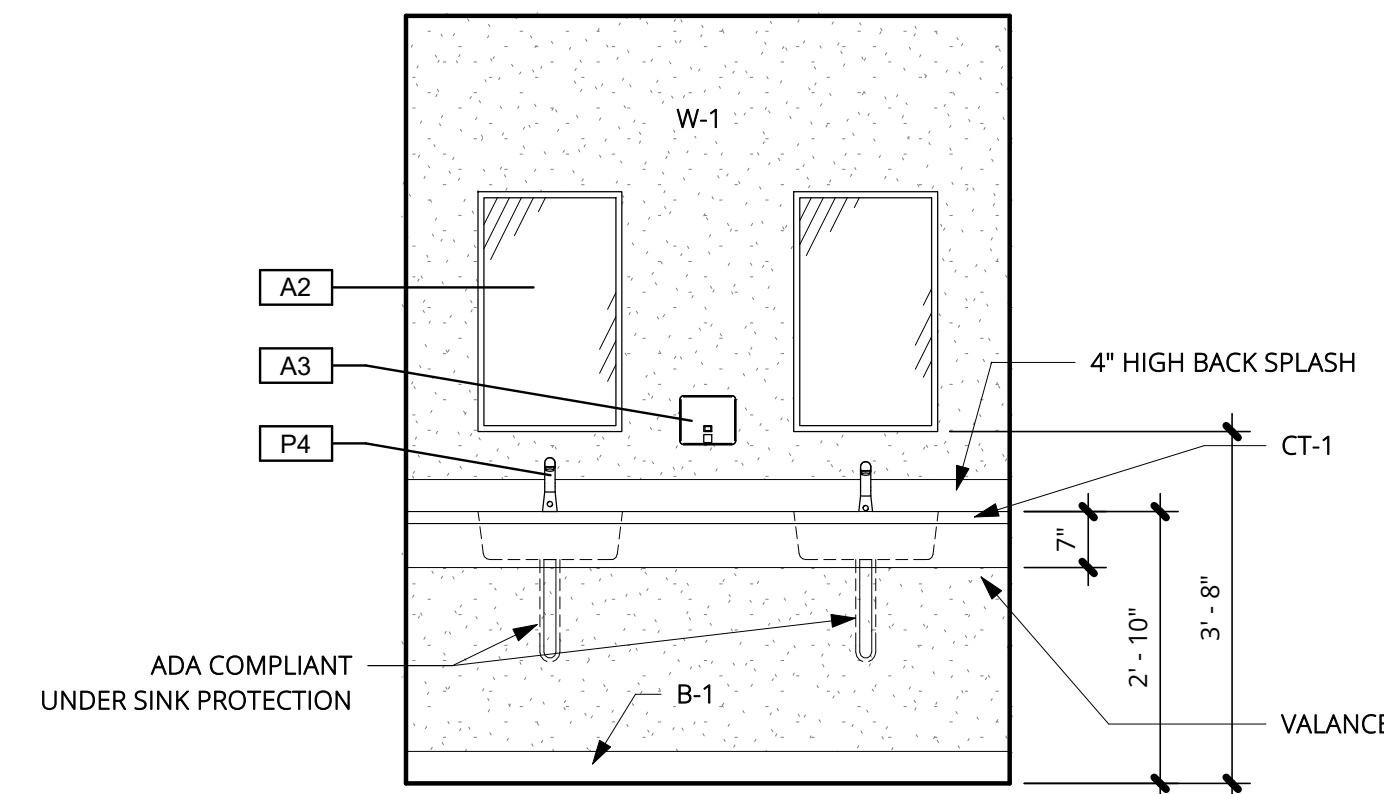
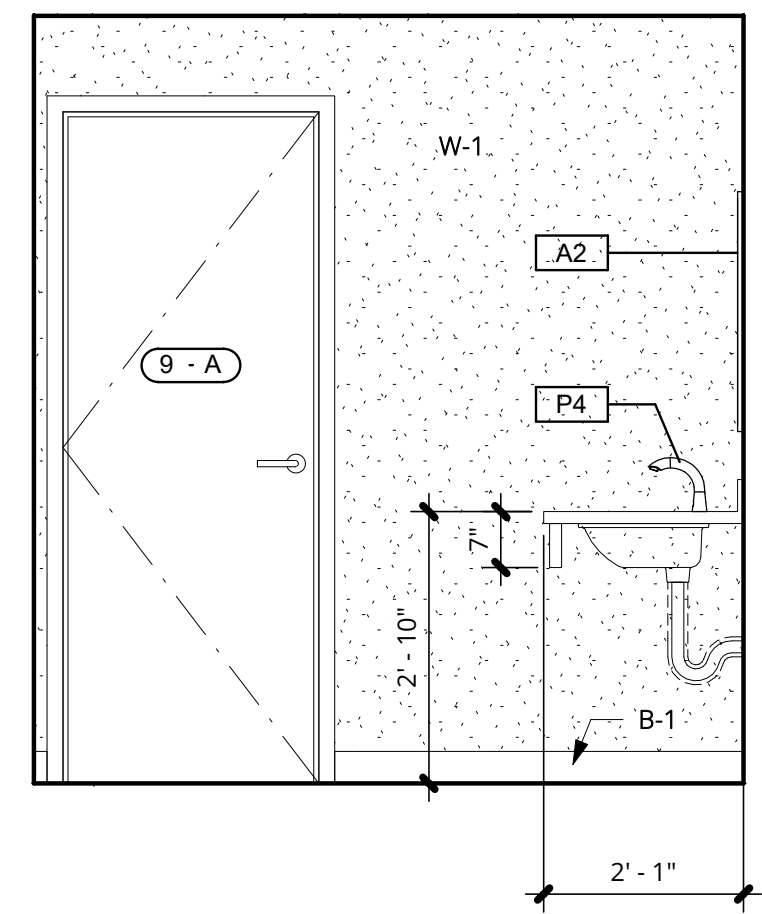
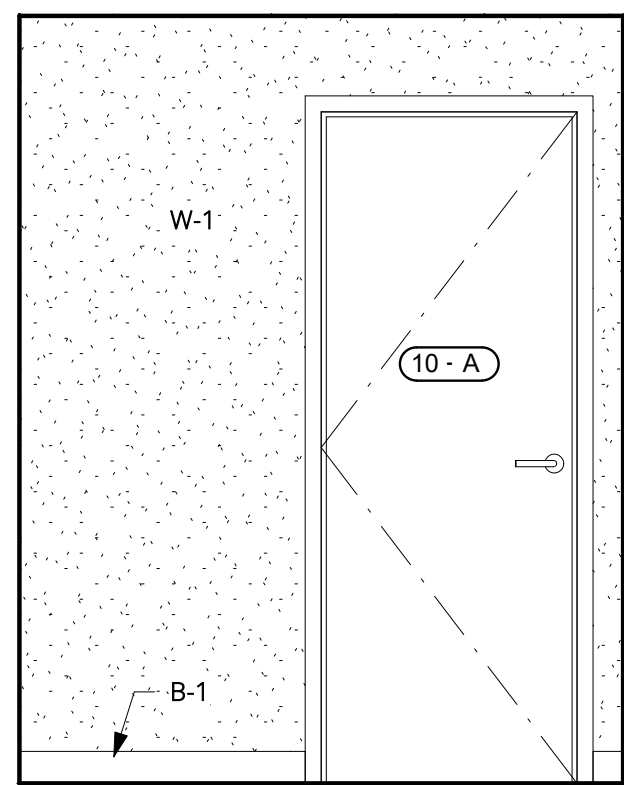
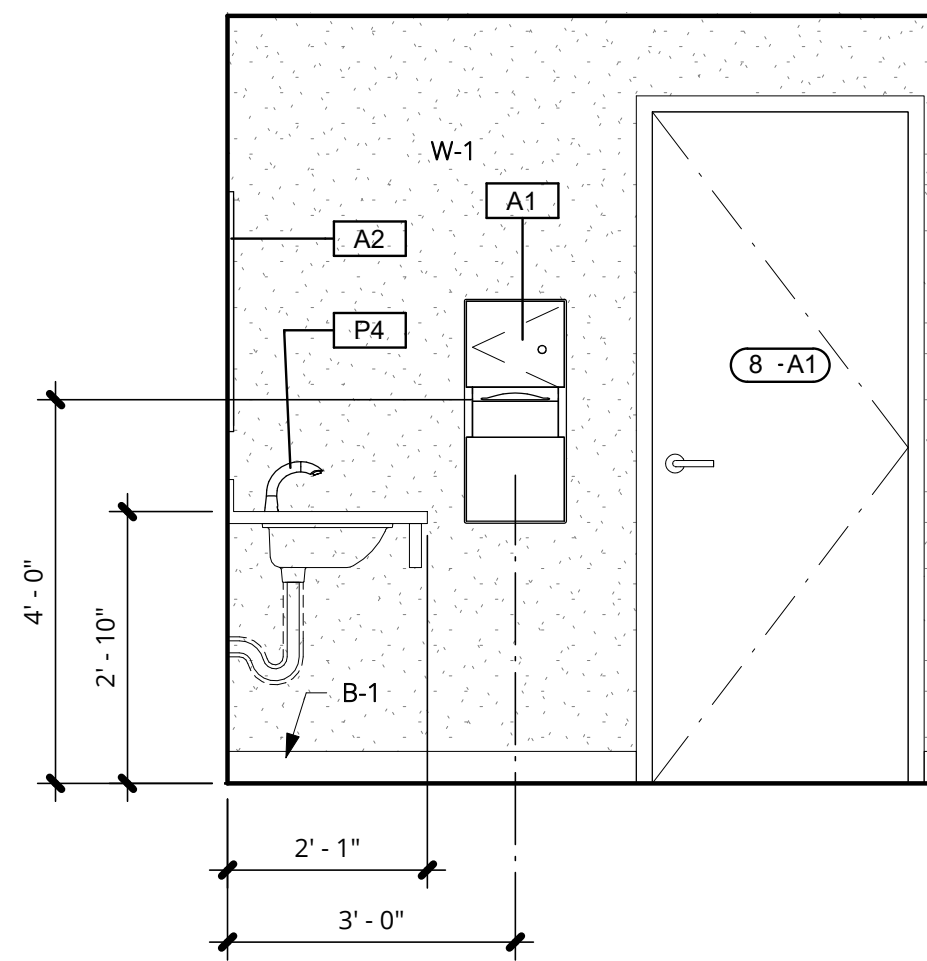


8 WATER CLOSET ELEV. 4
1/2" = 1'-0" REFERENCE - a203.2

7 WATER CLOSET ELEV. 3
1/2" = 1'-0" REFERENCE - a203.2

6 WATER CLOSET ELEV. 2
1/2" = 1'-0"

5 WATER CLOSET ELEV. 1
1/2" = 1'-0" REFERENCE - a203.2



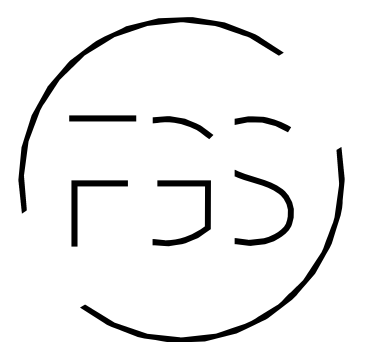
4 BATHROOM ELEV. 4
1/2" = 1'-0"

3 BATHROOM ELEV. 3
1/2" = 1'-0"

2 BATHROOM ELEV. 2
1/2" = 1'-0"

1 BATHROOM ELEV. 1
1/2" = 1'-0"

INTERIOR
ELEVATIONS
a700



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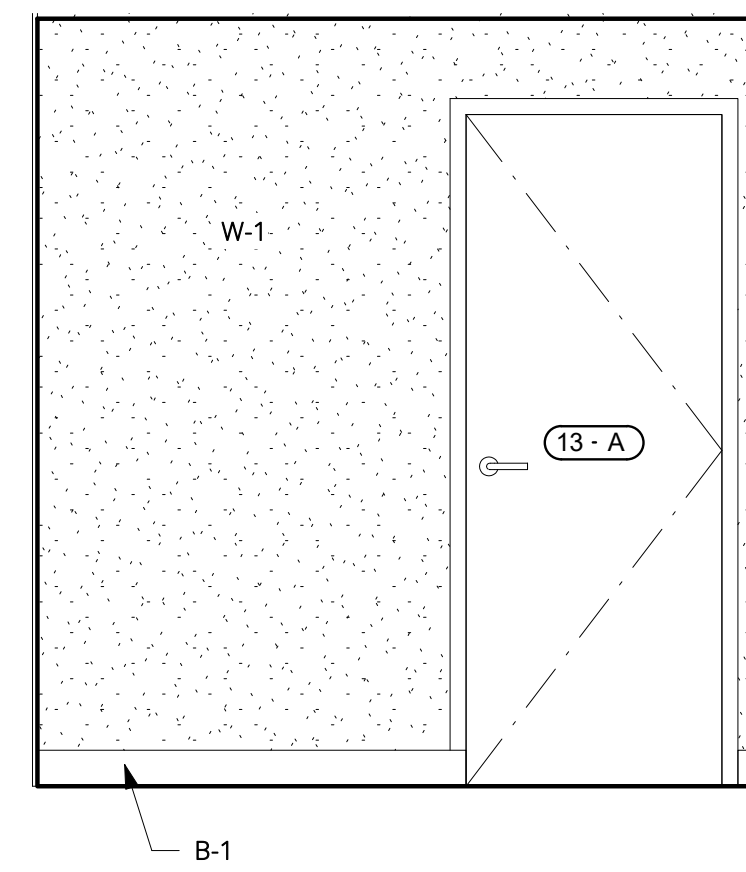
No.	Description	Date



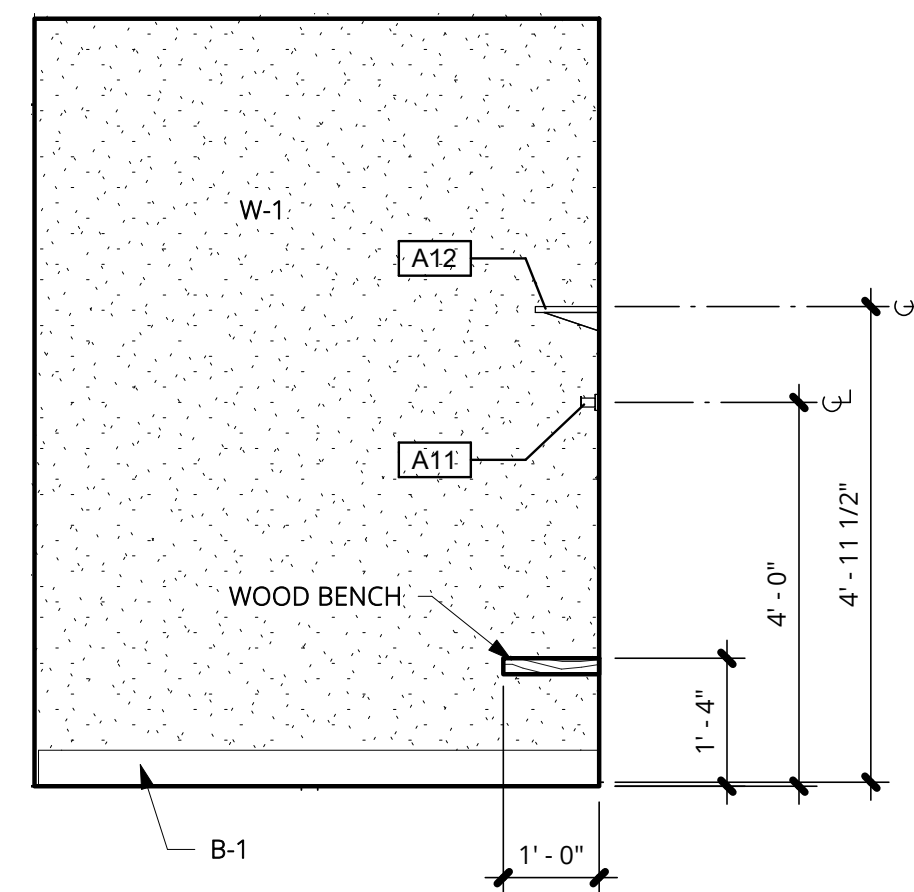
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INTERIOR ELEVATION NOTES

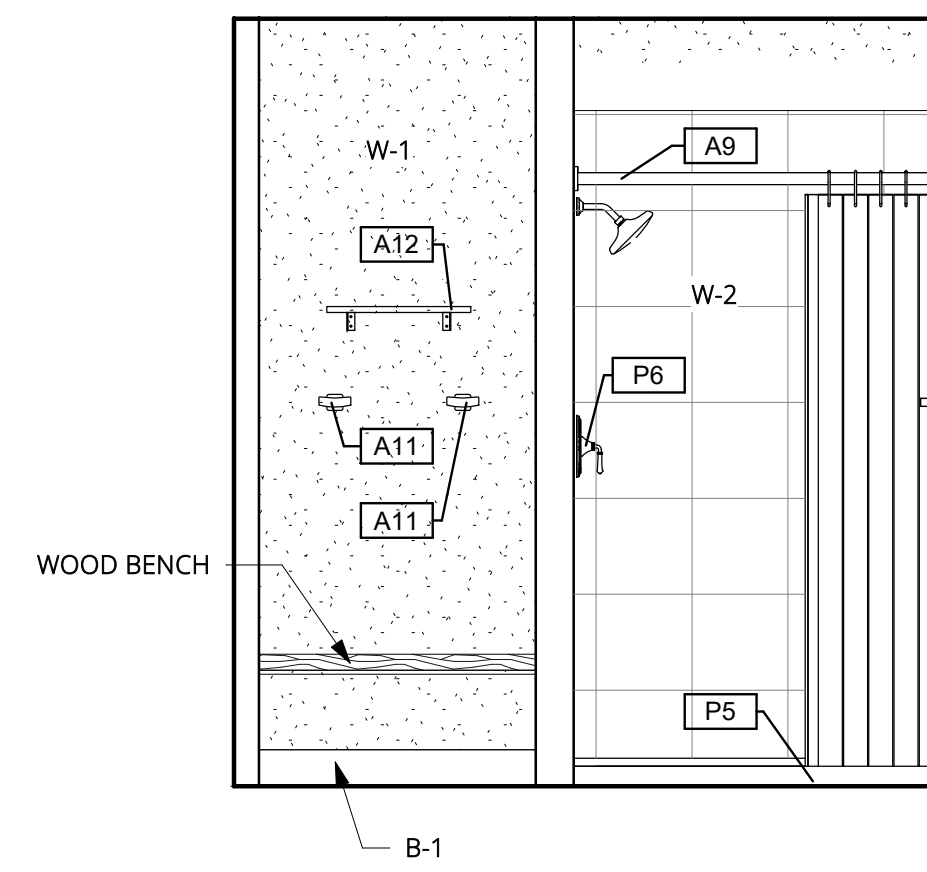
1. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
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5. SEE SCHEDULES FOR PLUMBING FIXTURE AND ACCESSORIES DESCRIPTIONS.
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7. ALL FINISH MATERIALS NOT SPECIFIED SHALL BE COORDINATED WITH OWNER AND/OR ARCHITECT.
8. WHERE NEW CONSTRUCTION MEETS EXISTING, ALIGN SURFACES AND MATCH MATERIALS, TEXTURES, AND FINISHES.



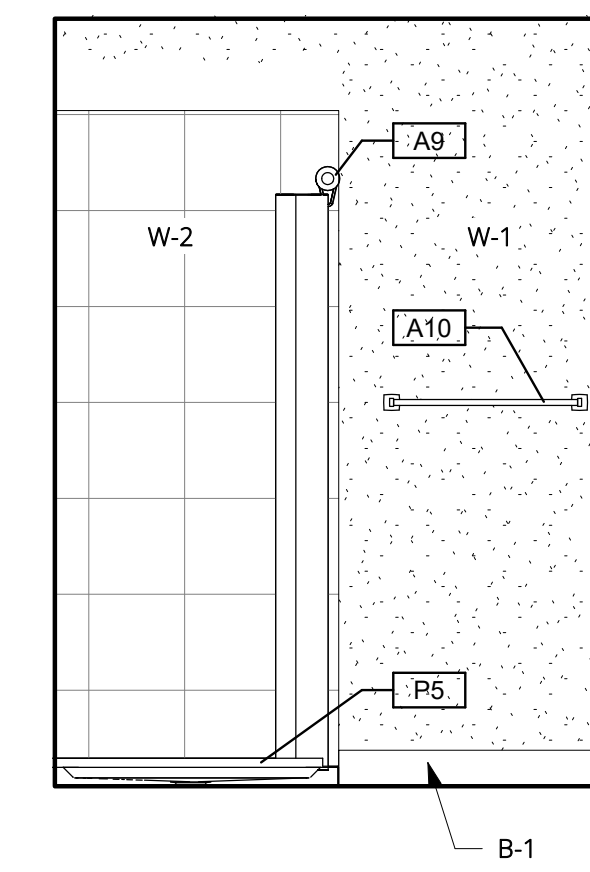
8 SHOWER 118 ELEV. 4
1/2" = 1'-0"



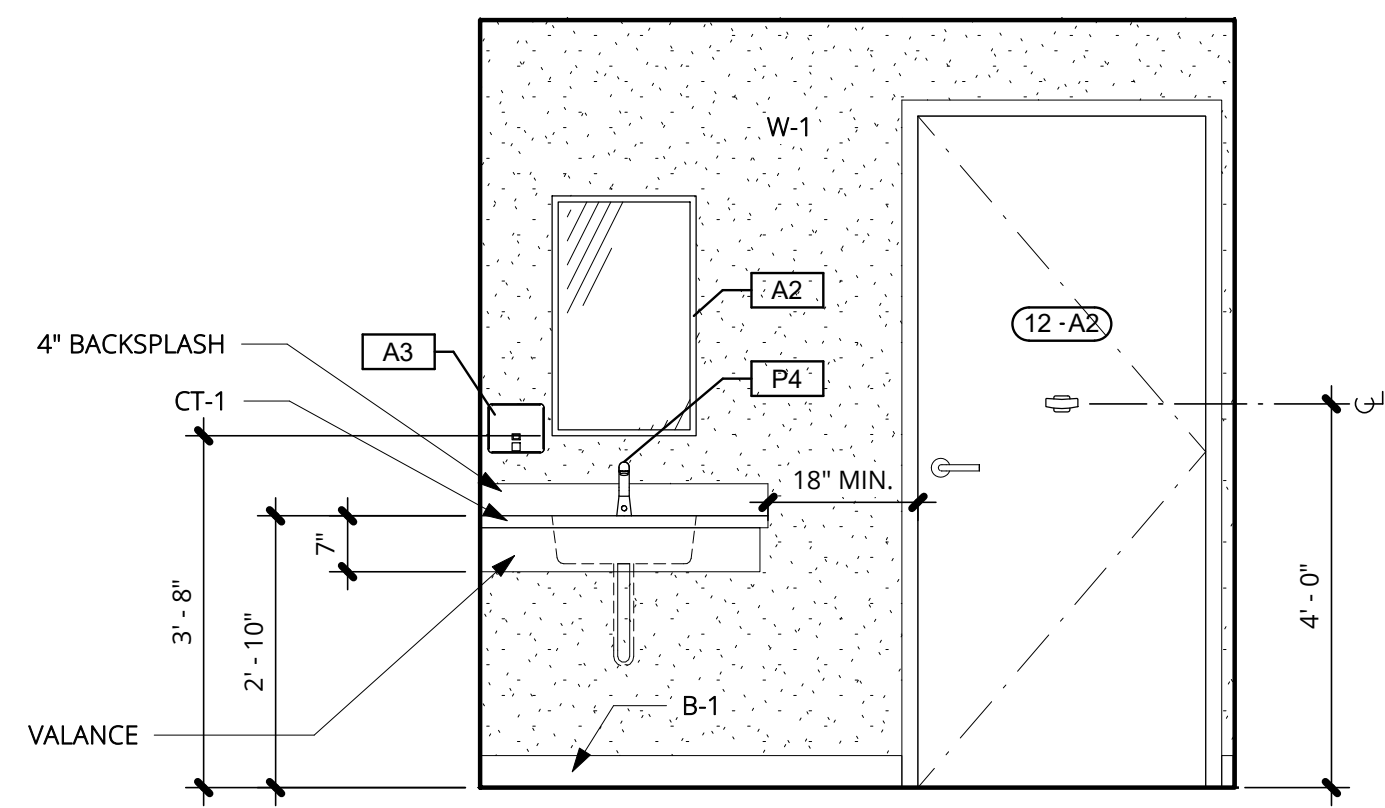
7 SHOWER 118 ELEV. 3
1/2" = 1'-0"



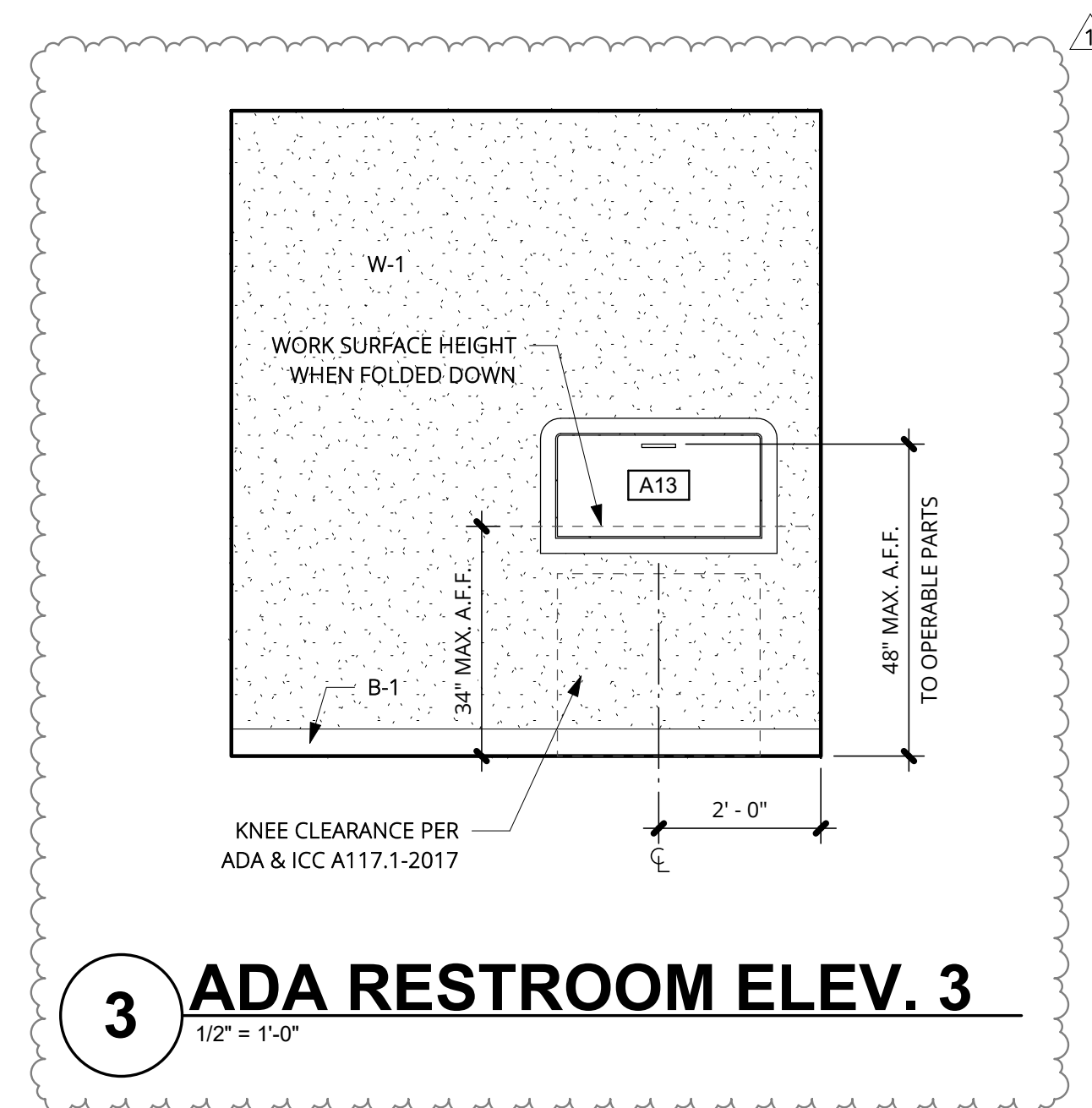
6 SHOWER 118 ELEV. 2
1/2" = 1'-0"



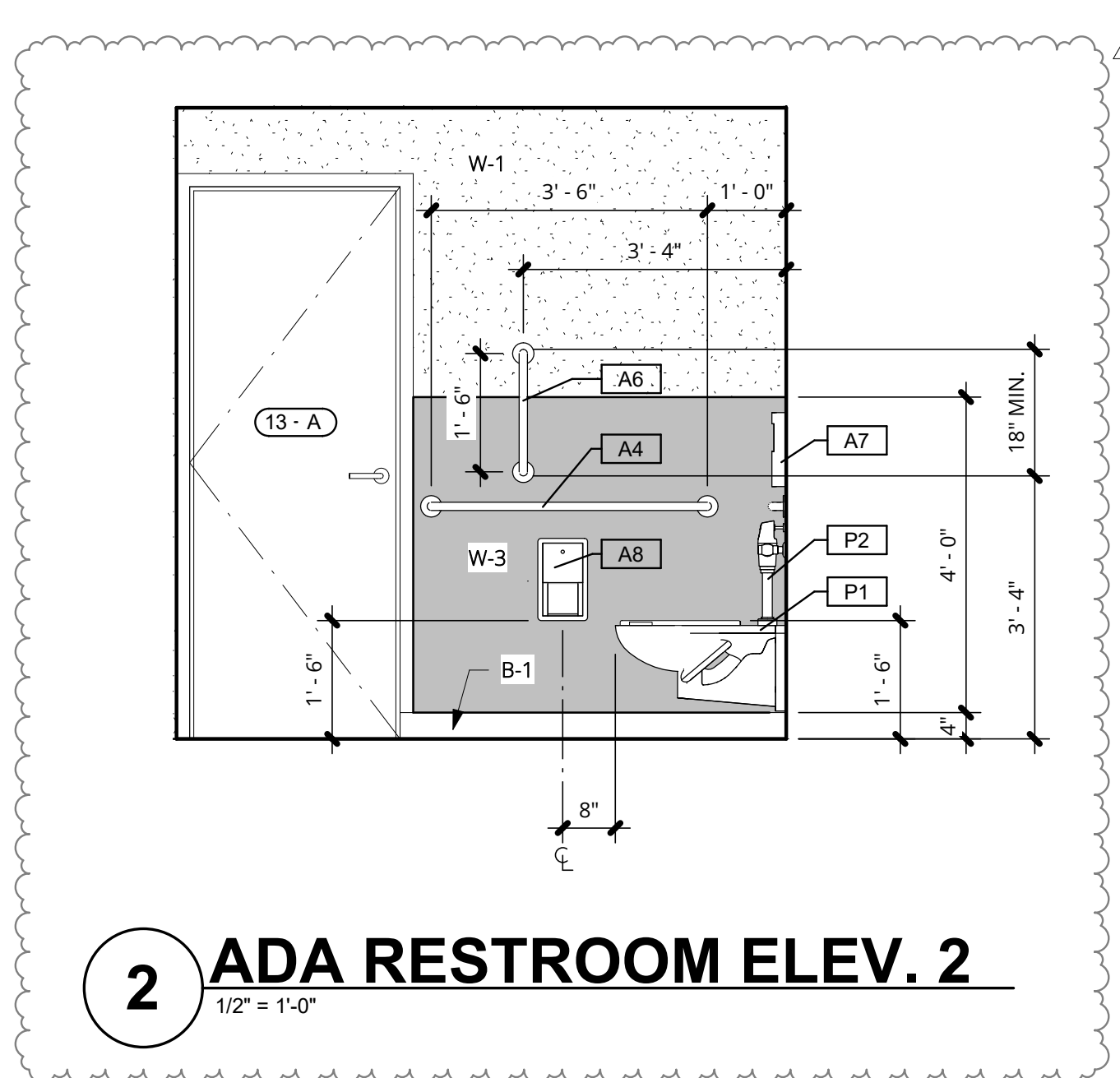
5 SHOWER 118 ELEV. 1
1/2" = 1'-0"



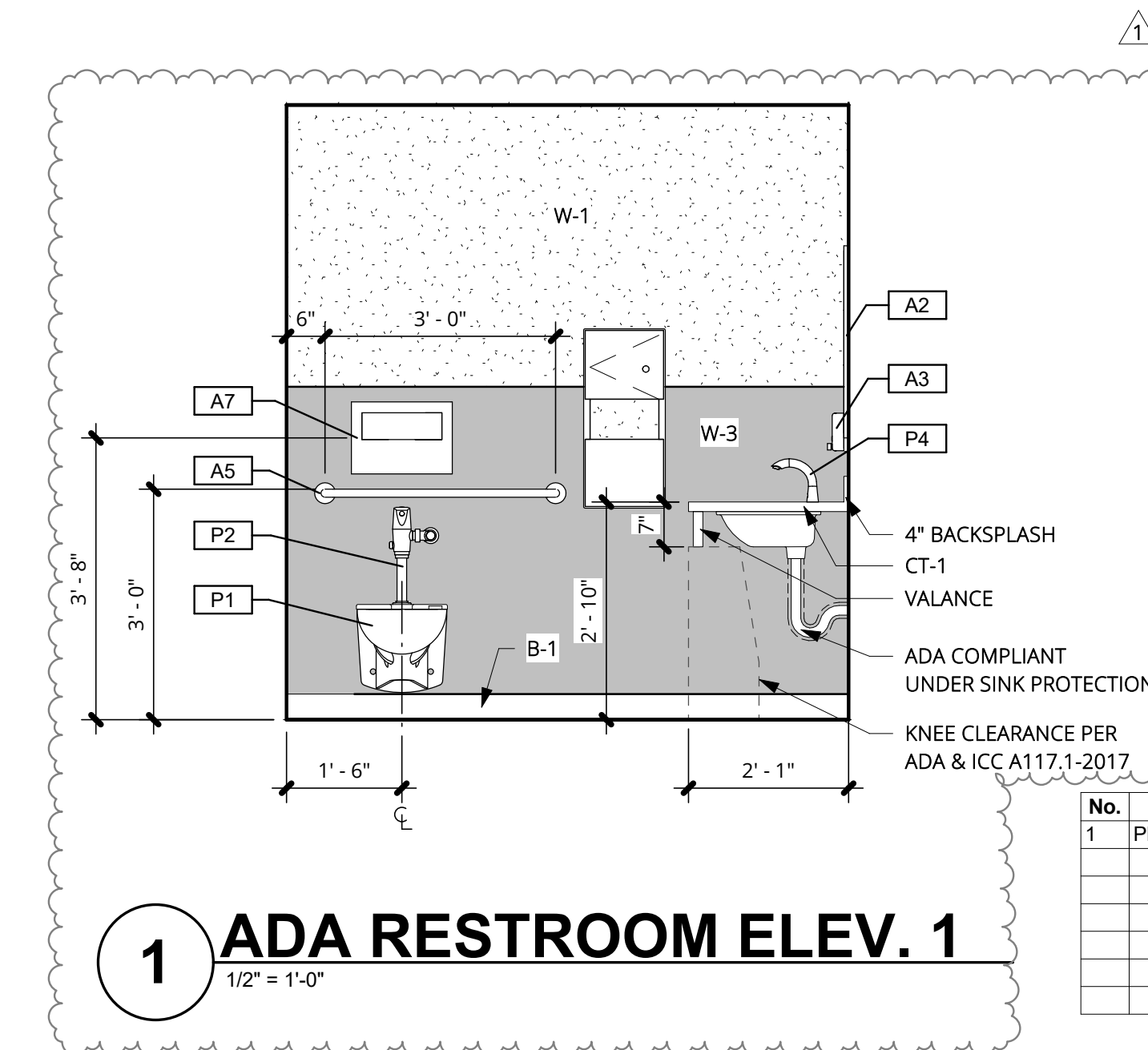
4 ADA RESTROOM ELEV. 4
1/2" = 1'-0"



3 ADA RESTROOM ELEV. 3
1/2" = 1'-0"

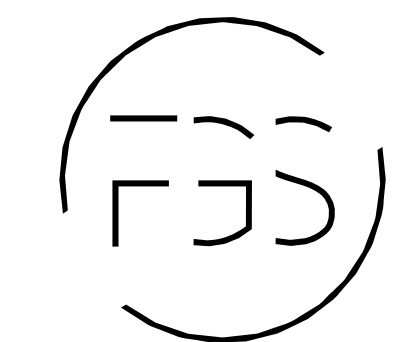


2 ADA RESTROOM ELEV. 2
1/2" = 1'-0"



1 ADA RESTROOM ELEV. 1
1/2" = 1'-0"

No.	Description	Date
1	Plan Review Comments	7/12/2021



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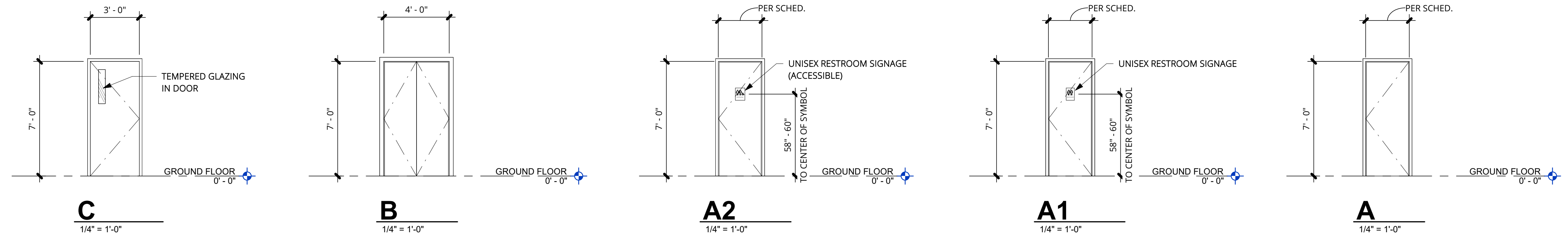
FOR PERMIT 6/08/2021

INTERIOR
ELEVATIONS
a701

DOOR HARDWARE SCHEDULE	
H-1	<p>DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBET</p> <p>HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING - 5 KNUCKLE STEEL HINGE</p> <p>HANDLE AND LOCK: SCHLAGE ND50PD X RHODES S626, w/ SCHLAGE LARGE FORMAT IC CORE, ENTRANCE/OFFICE LOCK</p> <p>STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE</p>
H-2	<p>DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBET</p> <p>HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING - 5 KNUCKLE STEEL HINGE</p> <p>HANDLE AND LOCK: SCHLAGE ND70PD X RHODES S626, w/ SCHLAGE LARGE FORMAT IC CORE, CLASSROOM LOCK</p> <p>STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE</p> <p>* DOOR PAIR, SURFACE MOUNT DROP PIN BOLT ON SLAVE DOOR</p>
H-3	<p>DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBET</p> <p>HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING - 5 KNUCKLE STEEL HINGE</p> <p>HANDLE AND LOCK: SCHLAGE ND70PD X RHODES S626, w/ SCHLAGE LARGE FORMAT IC CORE, CLASSROOM LOCK</p> <p>STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE</p>
H-4	<p>DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBET</p> <p>HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING - 5 KNUCKLE STEEL HINGE</p> <p>HANDLE AND LOCK: SCHLAGE ND70PD X RHODES S626, w/ SCHLAGE LARGE FORMAT IC CORE, CLASSROOM LOCK</p> <p>STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE</p> <p>DEADBOLT: SCHLAGE B571, ONE-SIDED DEADBOLT WITH VISUAL OCCUPANCY INDICATOR, WITH EMERGENCY KEY OVERRIDE</p>
H-5	<p>DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBET</p> <p>HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING - 5 KNUCKLE STEEL HINGE</p> <p>HANDLE AND LOCK: SCHLAGE ND53PD X RHODES S626, w/ SCHLAGE LARGE FORMAT IC CORE, ENTRANCE LOCK</p> <p>DEADBOLT: SCHLAGE B660P X RHODES S626</p> <p>STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE</p> <p>WEATHERSTRIPPING: HAGER 736 PRESS-ON WEATHERSTRIPPING (JAMBS AND HEAD)</p> <p>DOOR BOTTOM: HAGER 788S DOOR BOTTOM</p> <p>THRESHOLD: HAGER 4432 - 6" ADA RAMP THRESHOLD</p>

DOOR SCHEDULE										
#	TYPE	ROOM #	WIDTH	HEIGHT	MATERIAL	FINISH	HARDWARE	FRAME MATERIAL	FRAME FINISH	COMMENTS
1	A	SLEEPING ROOM - 113	2'-8"	7'-0"	S.C. WOOD	STAIN - SHERWIN WILLIAMS, 3204 FRUITWOOD	H-1	HOLLOW METAL	PAINT	FULLY GASKETED FOR PRIVACY
2	A	SLEEPING ROOM - 114	2'-8"	7'-0"	S.C. WOOD	STAIN - SHERWIN WILLIAMS, 3204 FRUITWOOD	H-1	HOLLOW METAL	PAINT	FULLY GASKETED FOR PRIVACY
3	A	SLEEPING ROOM - 115	2'-8"	7'-0"	S.C. WOOD	STAIN - SHERWIN WILLIAMS, 3204 FRUITWOOD	H-1	HOLLOW METAL	PAINT	FULLY GASKETED FOR PRIVACY
4	A	SLEEPING ROOM - 116	2'-8"	7'-0"	S.C. WOOD	STAIN - SHERWIN WILLIAMS, 3204 FRUITWOOD	H-1	HOLLOW METAL	PAINT	FULLY GASKETED FOR PRIVACY
5	B	STORAGE - 112	4'-0"	7'-0"	S.C. WOOD	STAIN - SHERWIN WILLIAMS, 3204 FRUITWOOD	H-2	HOLLOW METAL	PAINT	PAIR - 2'-0" x 7'-0", SURFACE MOUNT DROP PIN BOLT ON SLAVE DOOR
6	A	STORAGE - 112	2'-8"	7'-0"	S.C. WOOD	STAIN - SHERWIN WILLIAMS, 3204 FRUITWOOD	H-3	HOLLOW METAL	PAINT	
7	A	JANITOR'S CLOSET - 110	2'-8"	7'-0"	S.C. WOOD	STAIN - SHERWIN WILLIAMS, 3204 FRUITWOOD	H-3	HOLLOW METAL	PAINT	
8	A1	BATHROOM - 109	2'-8"	7'-0"	S.C. WOOD	STAIN - SHERWIN WILLIAMS, 3204 FRUITWOOD	H-1	HOLLOW METAL	PAINT	
9	A	BATHROOM - 109	2'-8"	7'-0"	S.C. WOOD	STAIN - SHERWIN WILLIAMS, 3204 FRUITWOOD	H-4	HOLLOW METAL	PAINT	FULLY GASKETED FOR PRIVACY
10	A	BATHROOM - 109	2'-8"	7'-0"	S.C. WOOD	STAIN - SHERWIN WILLIAMS, 3204 FRUITWOOD	H-4	HOLLOW METAL	PAINT	FULLY GASKETED FOR PRIVACY
11	C	LIVING - 108	3'-0"	7'-0"	S.C. WOOD	PAINT EXT., STAIN INT.	H-5	HOLLOW METAL	PAINT	ADA COMPLIANT, SINGLE VISION LITE - EXTERIOR DOOR, PROVIDE WEATHERSTRIPPING ALL AROUND
12	A2	ADA RESTROOM - 117	3'-0"	7'-0"	S.C. WOOD	STAIN - SHERWIN WILLIAMS, 3204 FRUITWOOD	H-4	HOLLOW METAL	PAINT	ADA COMPLIANT
13	A	SHOWER - 118	2'-8"	7'-0"	S.C. WOOD	STAIN - SHERWIN WILLIAMS, 3204 FRUITWOOD	H-4	HOLLOW METAL	PAINT	FULLY GASKETED FOR PRIVACY

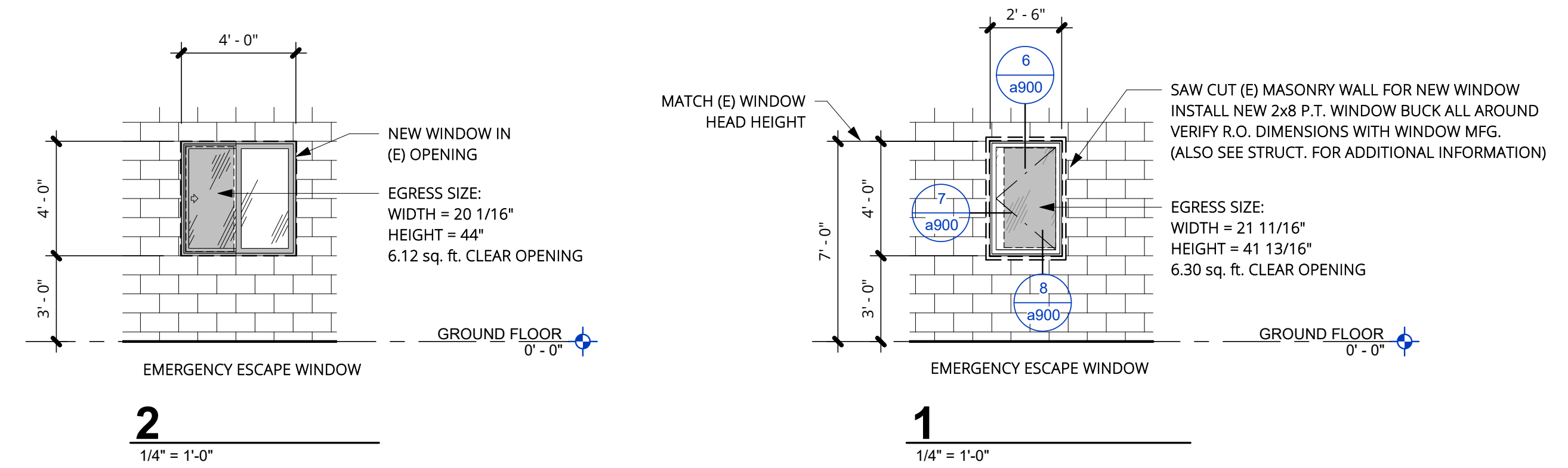
Grand total: 13



DOOR TYPES

WINDOW SCHEDULE										
#	TYPE	ROOM #	WIDTH	HEIGHT	HEAD HEIGHT	MATERIAL	OPERATION	U-FACTOR	ELEVATION	COMMENTS
1	1	SLEEPING ROOM - 113	2'-6"	4'-0"	7'-0"	COMPOSITE	CASEMENT	0.45 MIN.	1	SAW CUT (E) MASONRY WALL, 2x8 WINDOW BUCK
2	1	SLEEPING ROOM - 114	2'-6"	4'-0"	7'-0"	COMPOSITE	CASEMENT	0.45 MIN.	1	SAW CUT (E) MASONRY WALL, 2x8 WINDOW BUCK
3	1	SLEEPING ROOM - 115	2'-6"	4'-0"	7'-0"	COMPOSITE	CASEMENT	0.45 MIN.	1	SAW CUT (E) MASONRY WALL, 2x8 WINDOW BUCK
4	2	SLEEPING ROOM - 116	4'-0"	4'-0"	7'-0"	COMPOSITE	HORIZONTAL SLIDER	0.45 MIN.	2	NEW WINDOW IN (E) OPENING

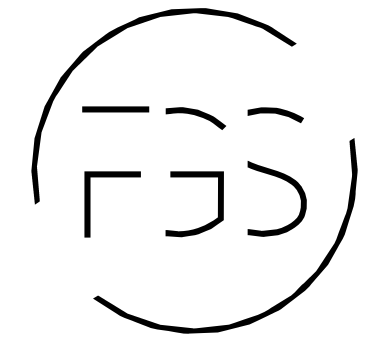
Grand total: 4



WINDOW TYPES

DOOR AND WINDOW NOTES	
1.	CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2.	CONTRACTOR SHALL BE RESPONSIBLE TO "PROTECT IN PLACE" ANY BUILDING ELEMENT OR OWNER FURNISHINGS NOT INCLUDED IN THE SCOPE OF WORK DURING CONSTRUCTION.
3.	DO NOT SCALE THE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE.
4.	EXIT DOORS SHALL BE MARKED SO THAT THEY ARE READILY DISTINGUISHABLE FROM THE ADJACENT CONSTRUCTION.
5.	HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. SUCH HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR OR GROUND.
6.	THRESHOLDS AT DOORWAYS SHALL BE 1/2" HIGH MAXIMUM.
7.	DOOR SURFACES WITHIN 10 INCHES OF THE FLOOR OR GROUND MEASURED VERTICALLY SHALL BE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN SUCH SURFACE SHALL BE WITHIN 1/16" OF THE SAME PLANE AS THE OTHER. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED.
8.	ALL FINISH MATERIALS NOT SPECIFIED SHALL BE COORDINATED WITH OWNER AND/OR ARCHITECT.
9.	"T" - SIGNIFIES TEMPERED GLAZING IN NOTED LOCATION.

DOORS AND WINDOWS
a800



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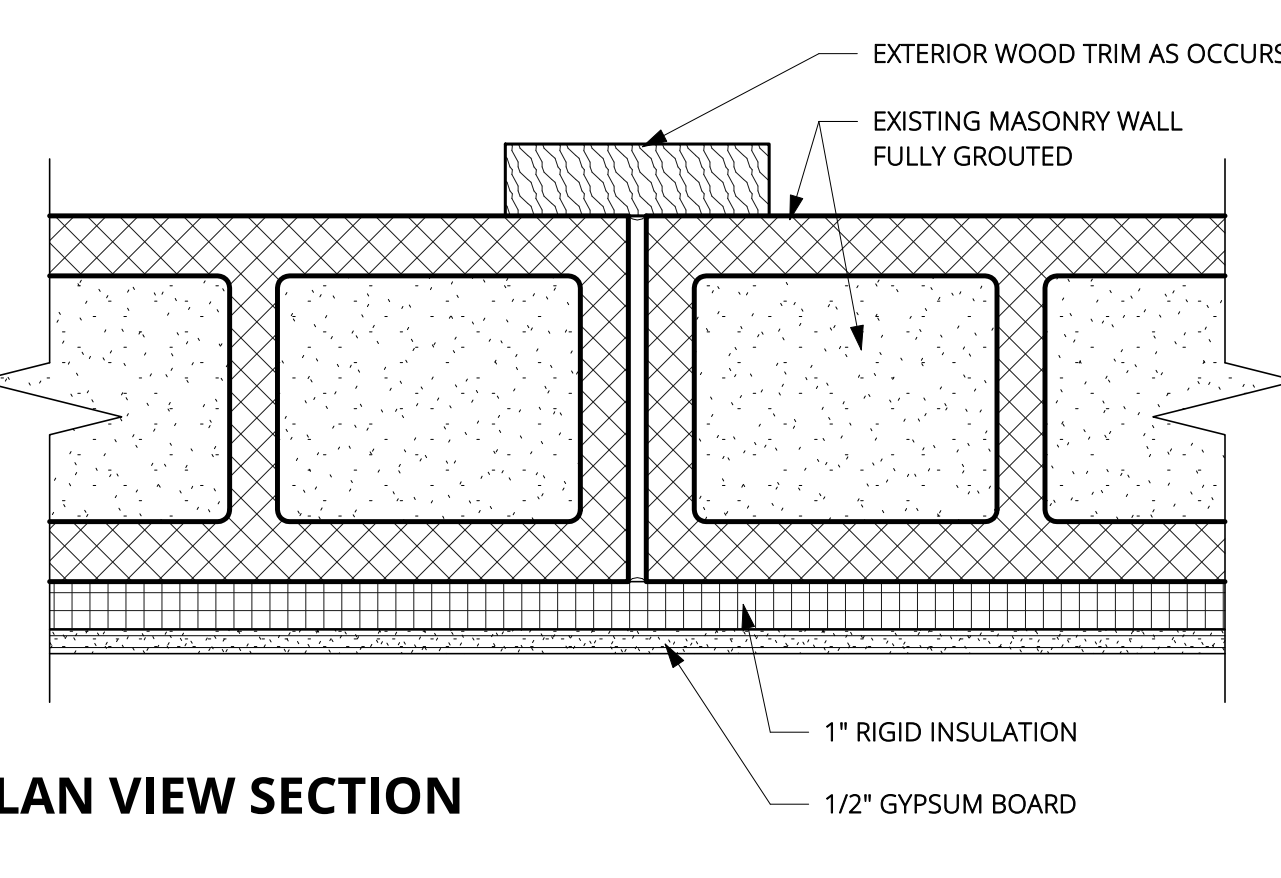
CITY OF SPARKS
FIRE STATION 2
City of Sparks, Nevada
2900 N. Truckee Ln
Sparks, NV 89434

No.	Description	Date
1	Plan Review Comments	7/12/2021

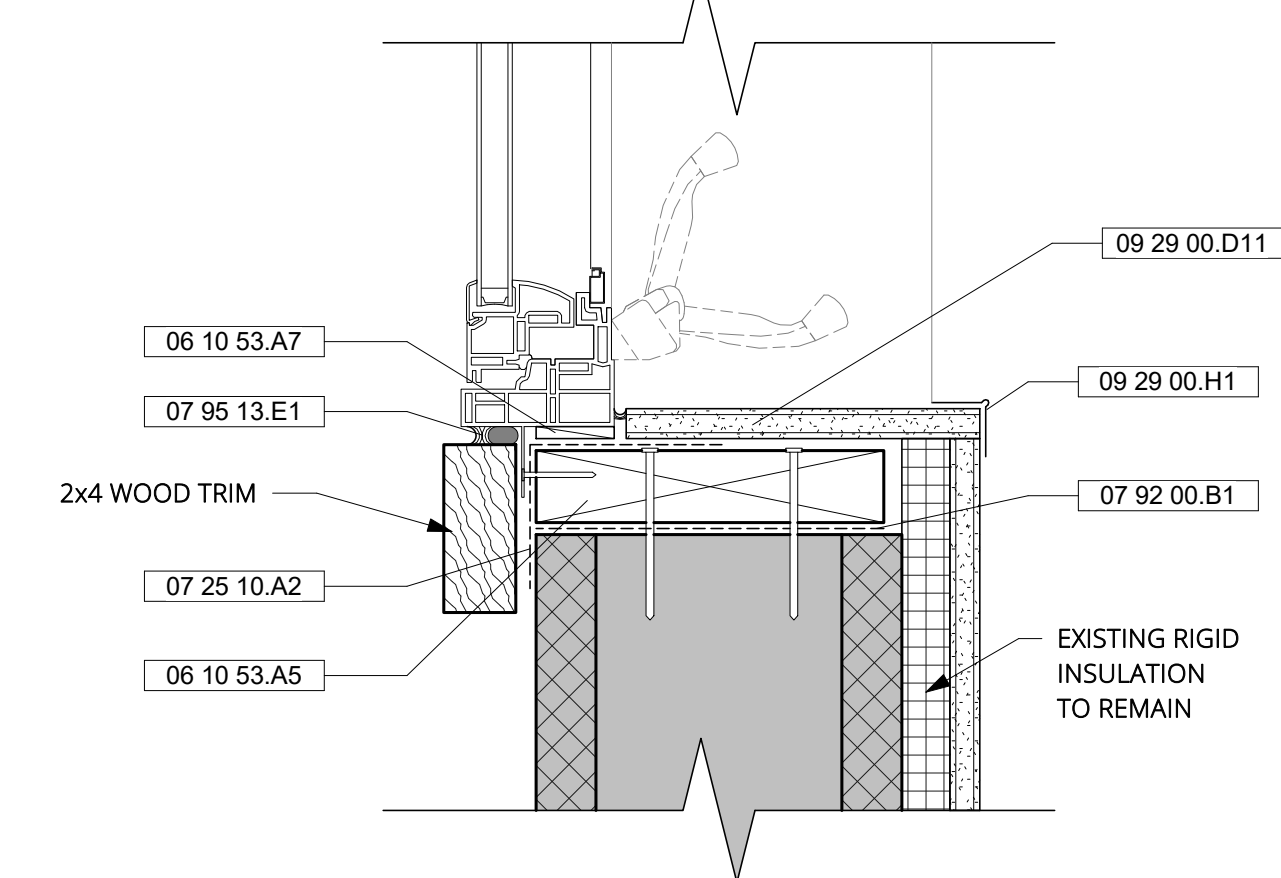


FOR PERMIT 6/08/2021

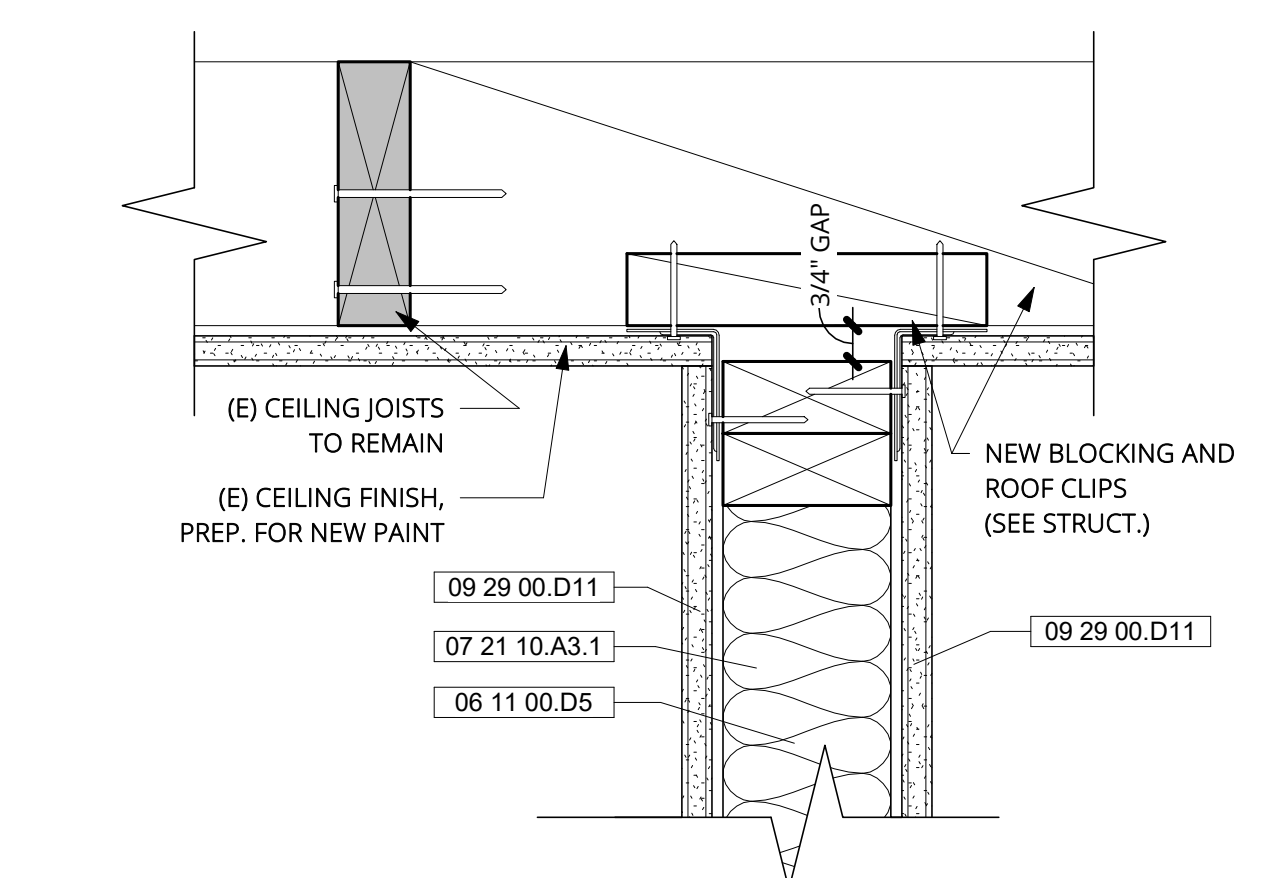
KEYNOTE LEGEND	
#	KEYNOTE TEXT
06 10 53.A5	2x8, pressure treated
06 10 53.A7	Shim as needed
06 10 53.A8	2x4, pressure treated
06 10 53.A9	Sill Plate and Anchor Bolts, see structural drawings
06 11 00.D1	2x4
06 11 00.D5	2x4 Framing @ 16" O.C.
06 11 00.F1	2x6
06 11 00.F4	2x6 Framing @ 16" O.C.
07 13 00.C2	1/4" Protection Board
07 21 00.A5	R-21 Batt Insulation
07 21 00.A9	R-38 Batt Insulation
07 21 00.B4	2" Rigid Insulation
07 21 10.A3.1	3 1/2" sound attenuation batts
07 25 10.A2	Weather-Resistant Barrier
07 26 10.A2	Vapor barrier on warm side of structure, typ.
07 26 10.A3	Vapor barrier - min. 10 mil at all under-floor areas, typ.
07 31 00.D1	26 Ga. Metal Flashing
07 46 29.A1	Plywood Siding
07 92 00.B1	Sill plate gasket, install per manufacturer's instructions
07 95 13.B2	1/2" Expansion Joint
07 95 13.C1	Caulking
07 95 13.E1	Backer Rod w/ Sealant
09 29 00.D11	5/8" Type "X" Gypsum Wallboard
09 29 00.H1	Corner Bead
09 65 10.A1	4" Rubber Base
09 72 00.A3	Fiber Reinforced Plastic (FRP)



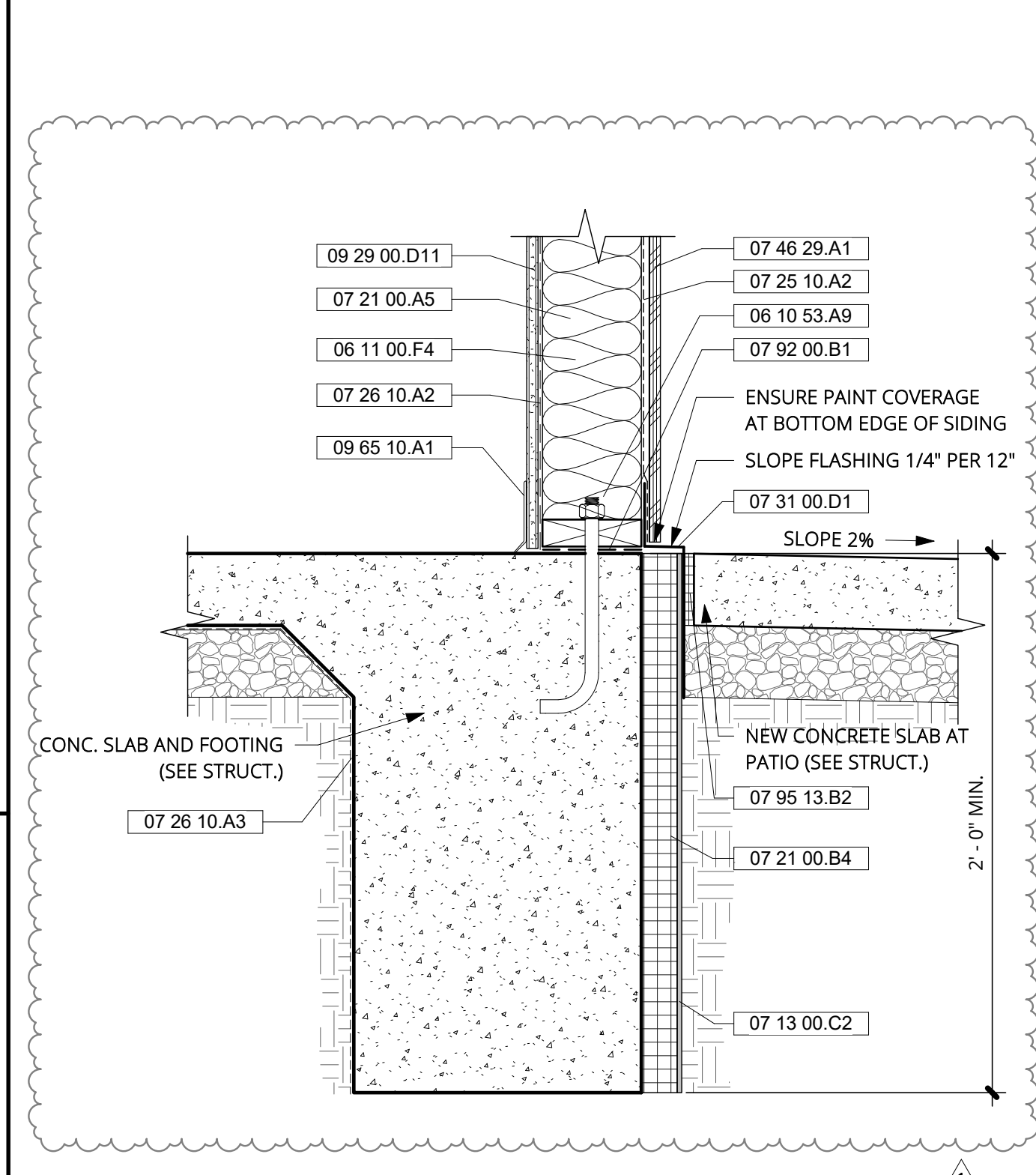
12 (E) EXTERIOR WALL
3" = 1'-0"



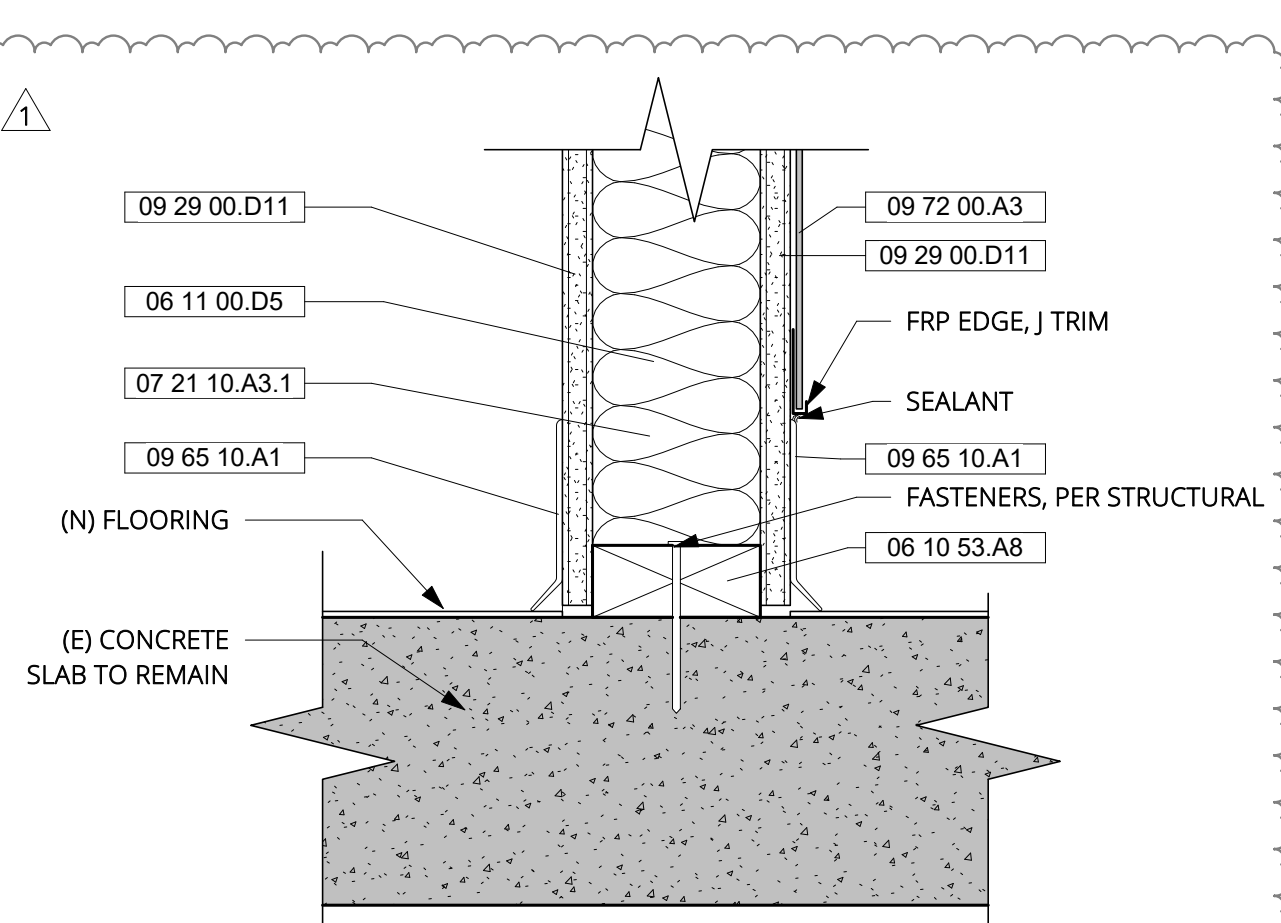
8 WINDOW SILL
3" = 1'-0" REFERENCE - a800 /1



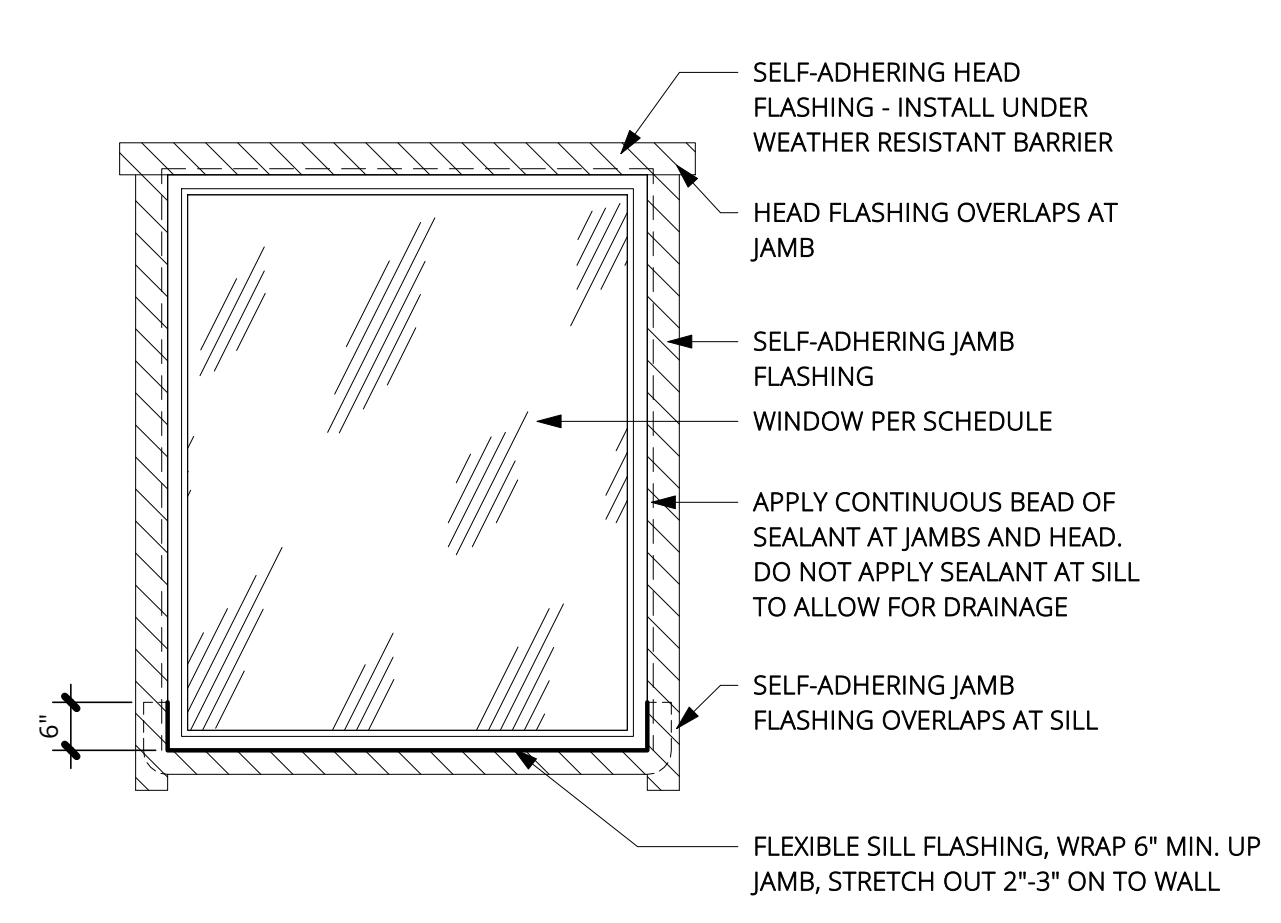
4 T.O. NEW WALL (PARALLEL)
3" = 1'-0" REFERENCE - a601 /1



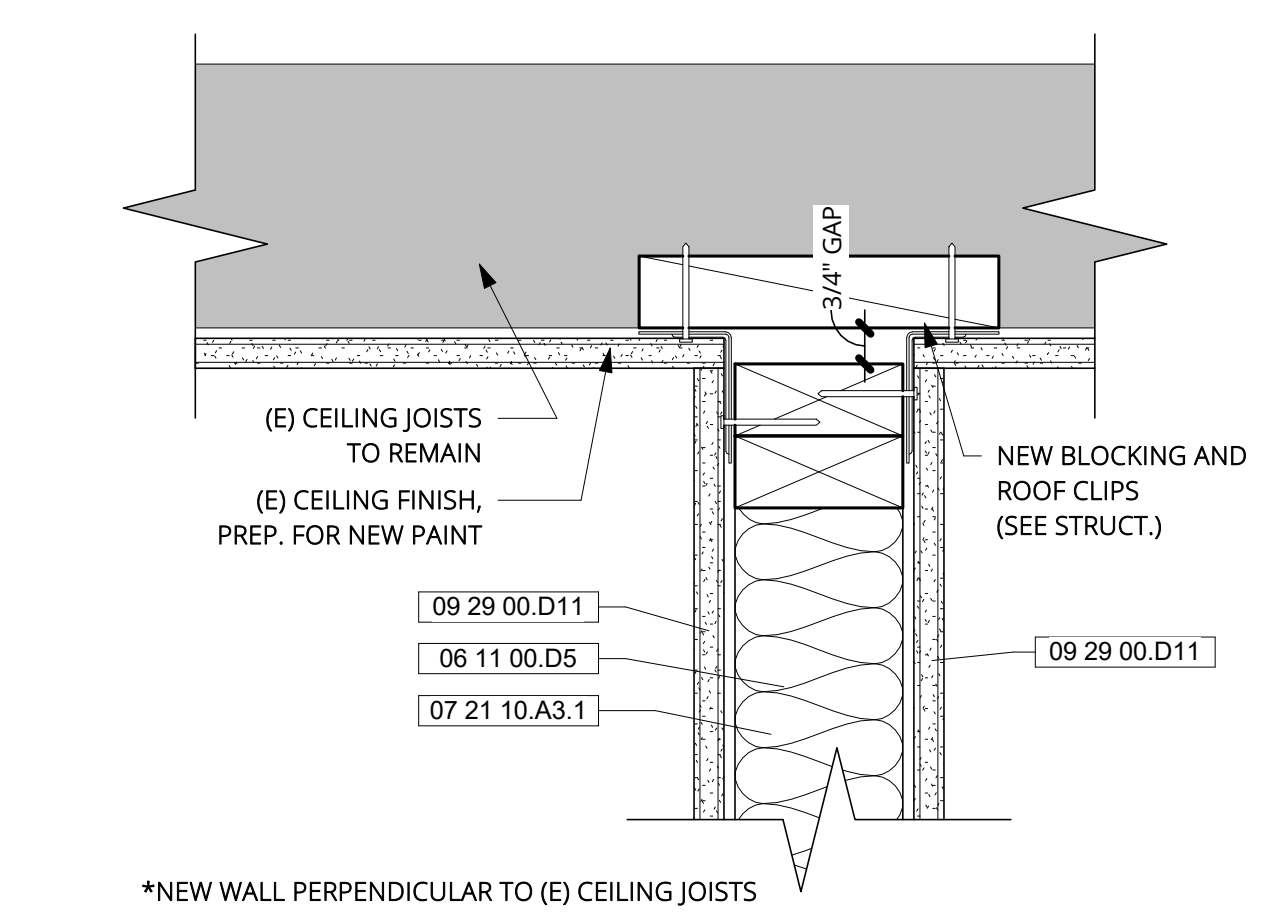
1 NEW WALL AT FOUNDATION
1 1/2" = 1'-0"



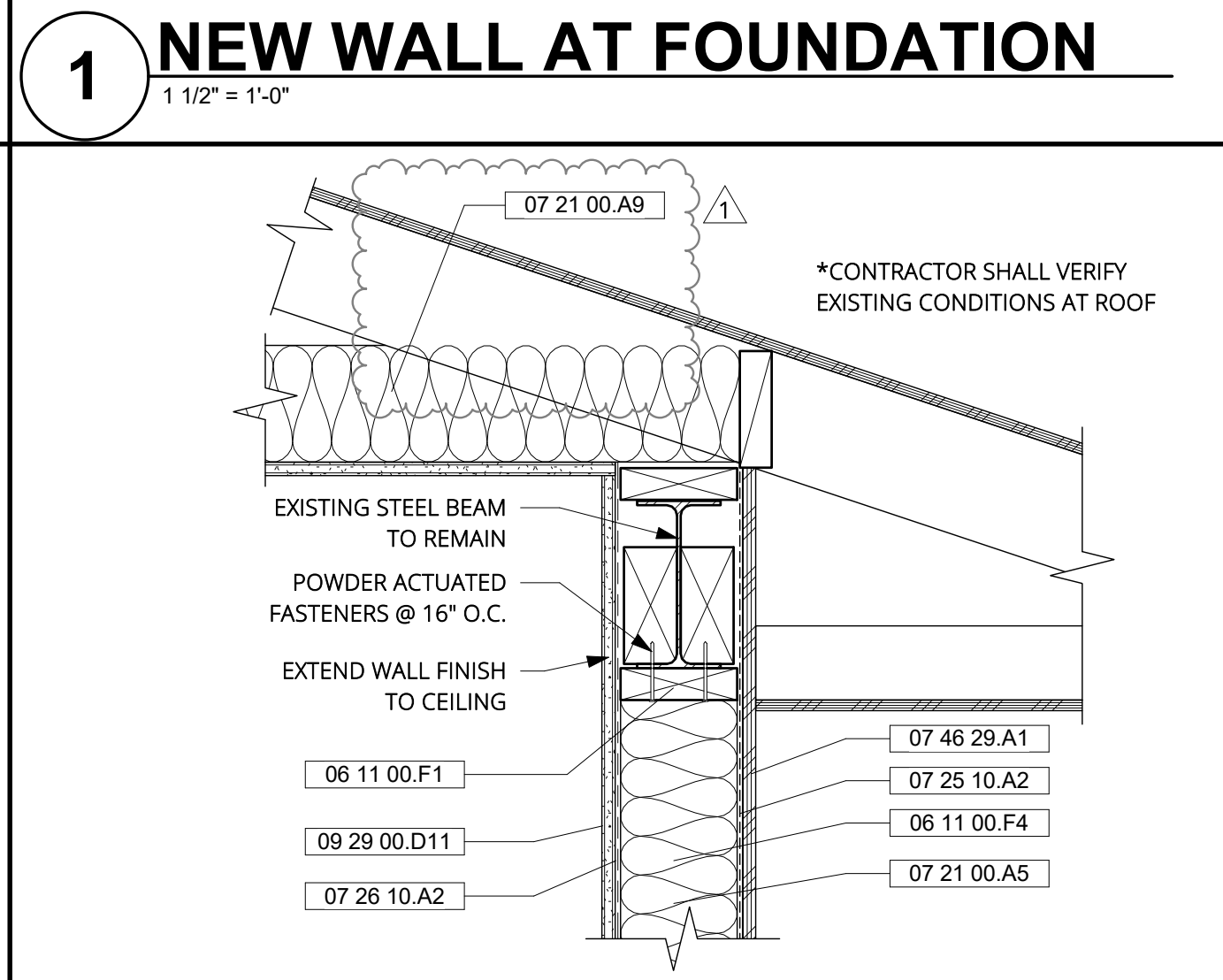
13 FRP WALL DETAIL
3" = 1'-0"



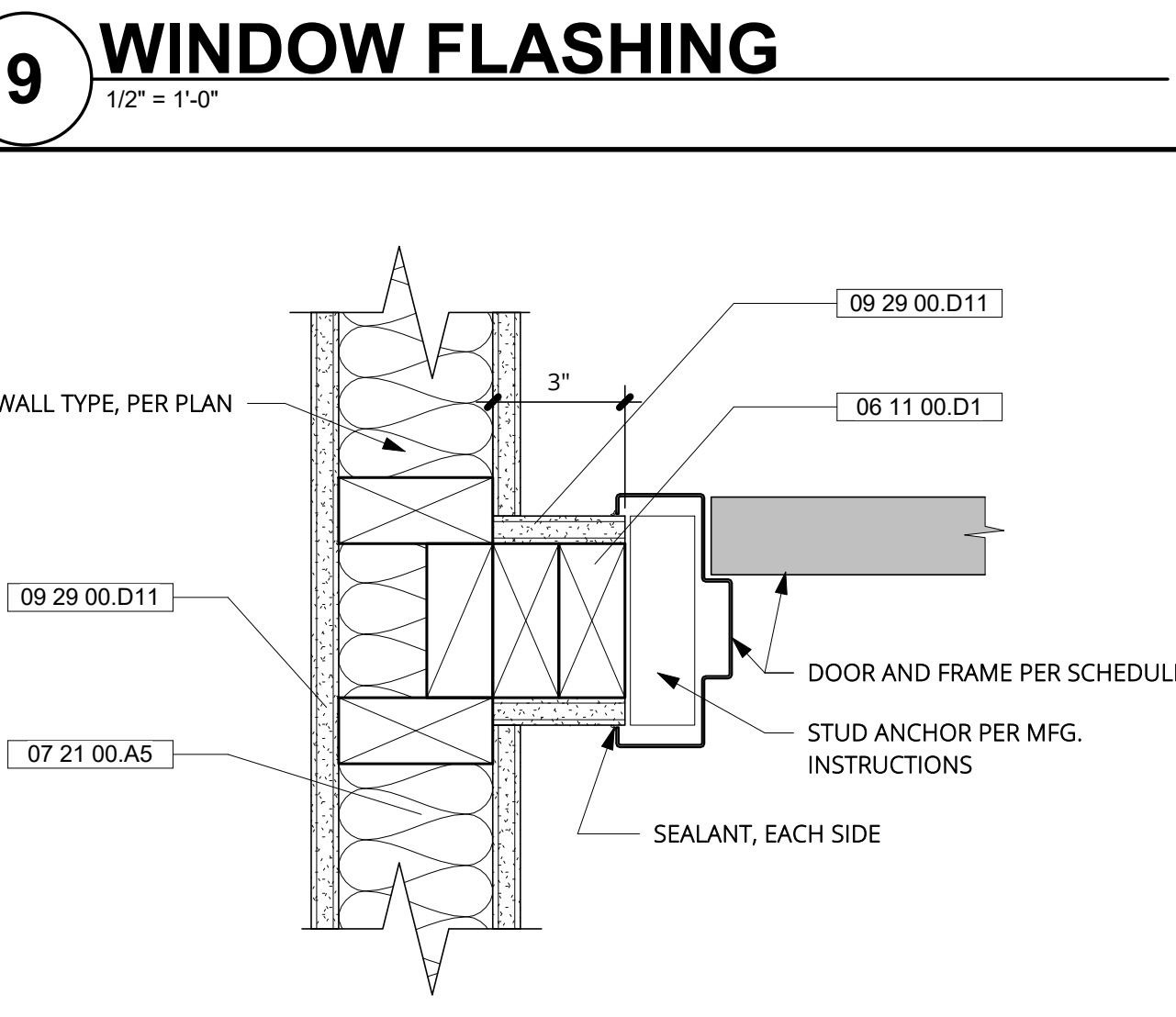
9 WINDOW FLASHING
1/2" = 1'-0"



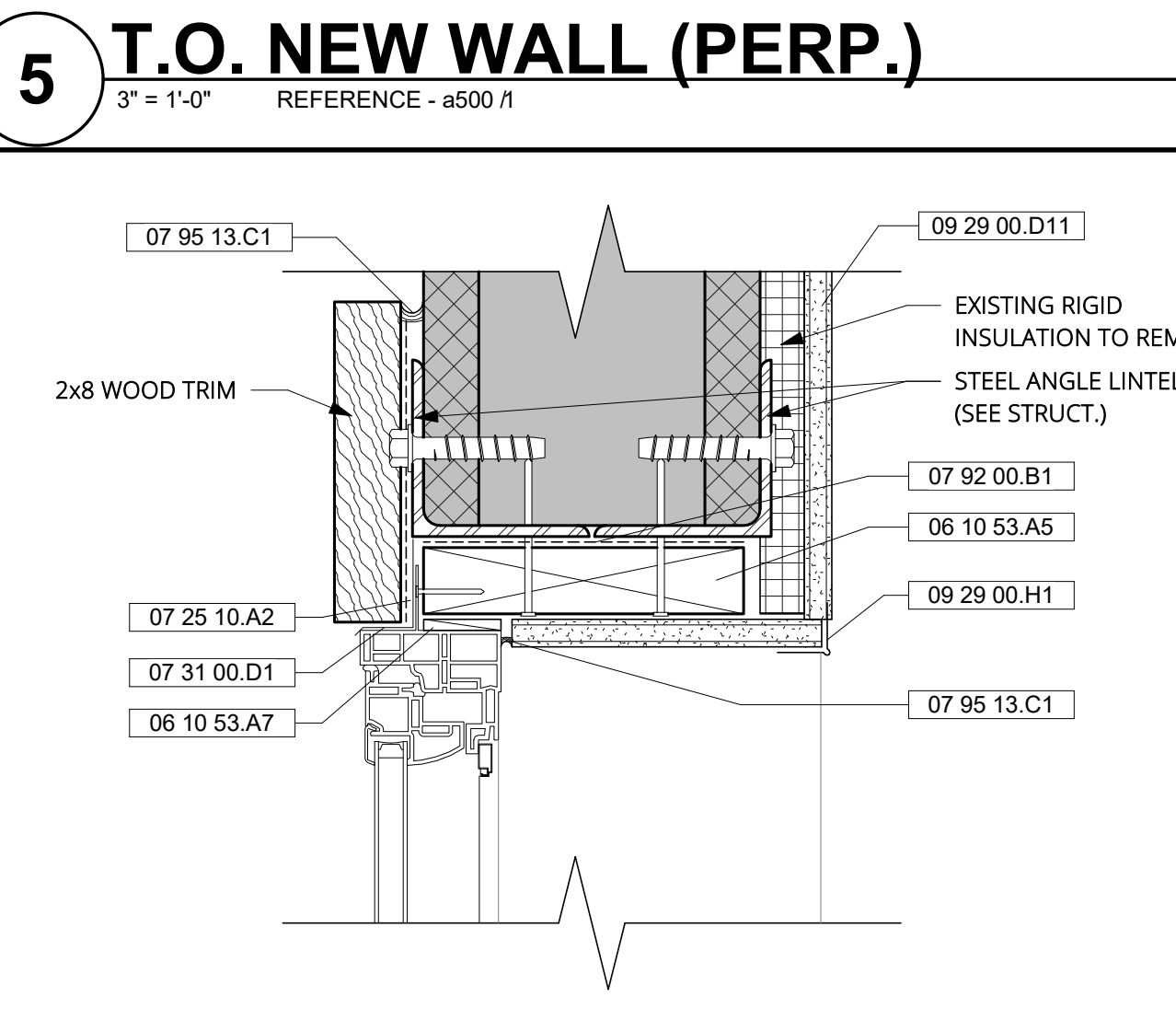
5 T.O. NEW WALL (PERP.)
3" = 1'-0" REFERENCE - a501 /1



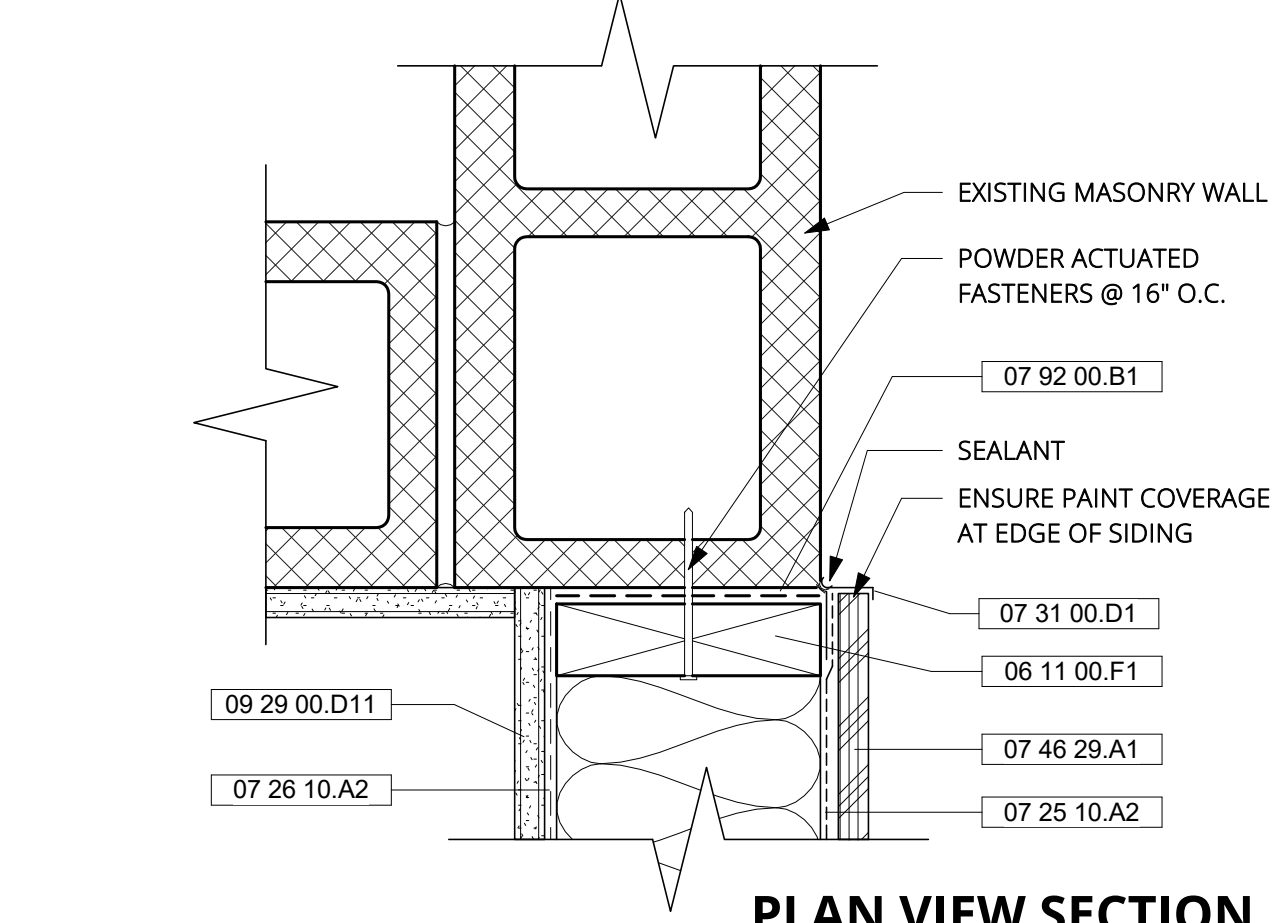
2 NEW WALL AT (E) ROOF
1 1/2" = 1'-0"



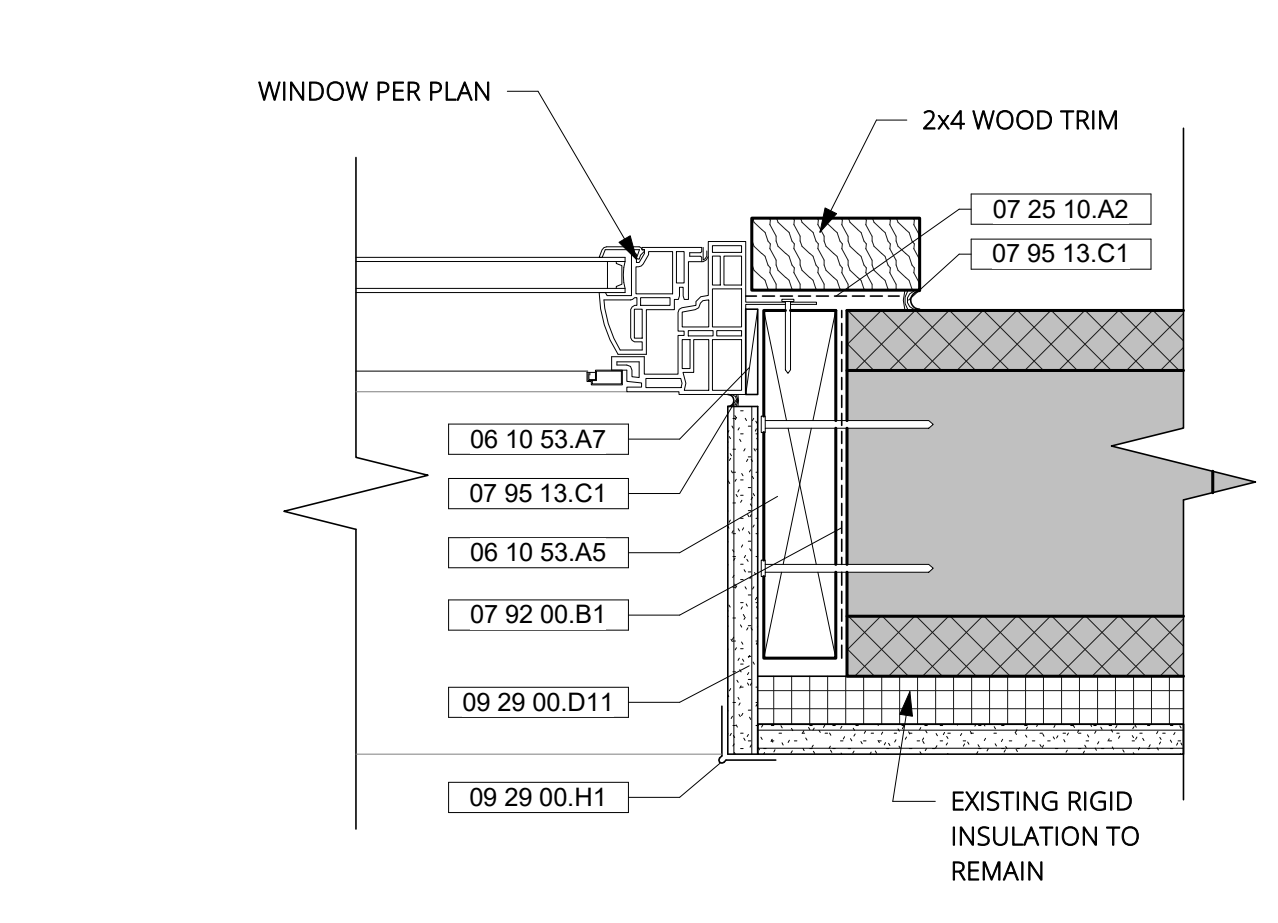
10 TIGHT DOOR JAMB
3" = 1'-0"



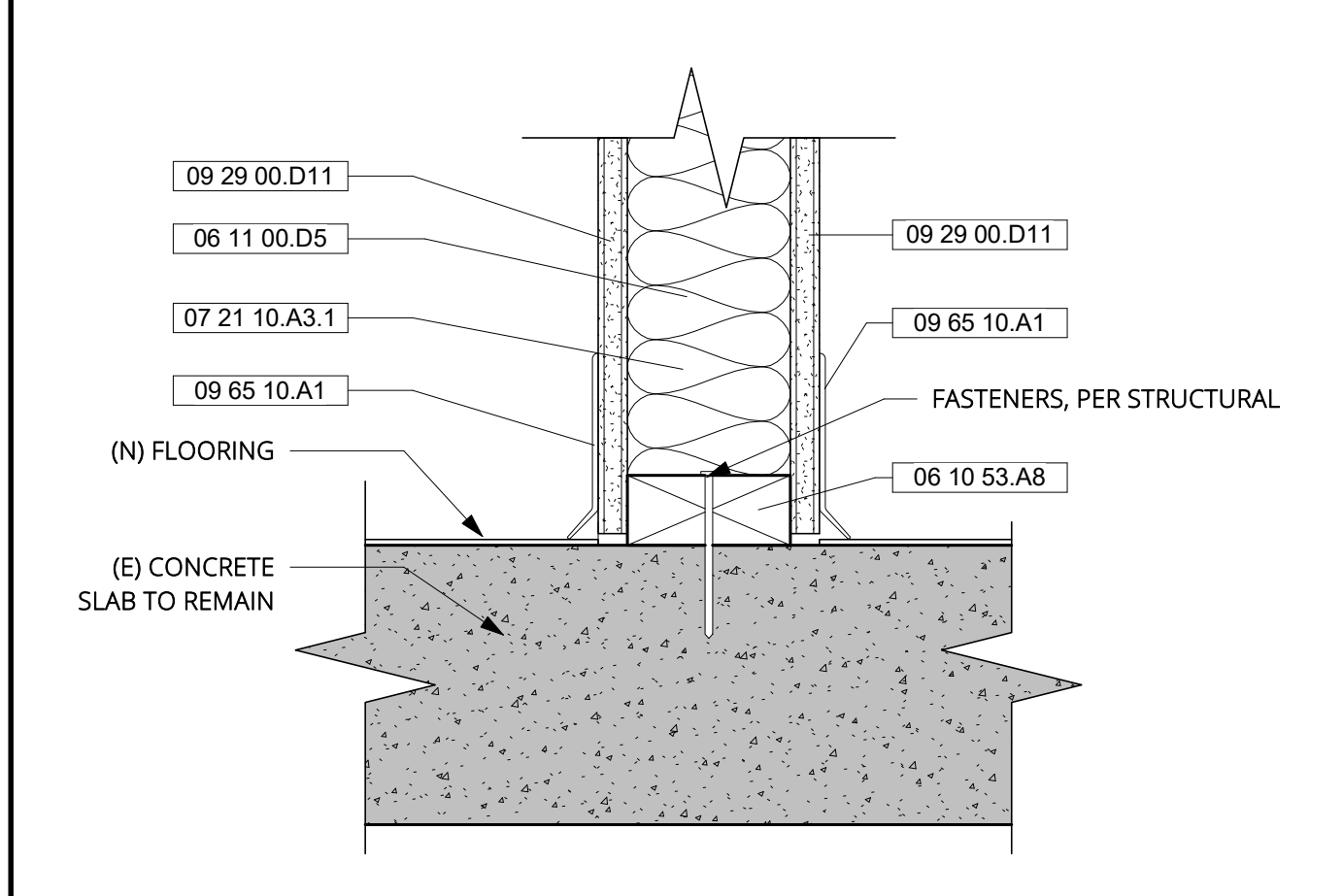
6 WINDOW HEAD
3" = 1'-0" REFERENCE - a800 /1



11 NEW WALL TO (E) MASONRY
3" = 1'-0"



7 WINDOW JAMB
3" = 1'-0" REFERENCE - a800 /1



3 BOTTOM OF NEW WALL
3" = 1'-0" REFERENCE - a203 /1

DETAILS
a900

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**CITY OF SPARKS
FIRE STATION 2**
City of Sparks, Nevada
2900 N. Truckee Ln
Sparks, NV 89434

No.	Description	Date
1	Plan Review Comments	7/12/2021



FOR PERMIT 6/08/2021

SPECIAL INSPECTION SCHEDULE

AREAS REQUIRING SPECIAL INSPECTION:	FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
FABRICATORS (IBC 1704.2.5)	X		IF FABRICATOR IS APPROVED, ON-SITE INSPECTION IS NOT REQUIRED BUT A CERTIFICATE OF COMPLETION MUST BE PROVIDED TO THE B.O. (IBC 1704.2.5.2)
CONCRETE CONSTRUCTION (IBC 1705.3)			
REINFORCING STEEL PLACEMENT		X	VERIFY SIZE, CLEARANCES, SPLICES, AND PROPER TIES
EMBEDDED BOLTS OR PLATES	X		
VERIFY REQUIRED DESIGN MIX		X	VERIFY MIX DESIGN MEETS STRENGTH AND EXPOSURE REQUIREMENTS LISTED ON APPROVED PLANS
CONCRETE PLACEMENT/SAMPLING	X		INCLUDES SAMPLING FOR AIR, SLUMP, STRENGTH, AND TEMPERATURE TECHNIQUES
INSPECT FORMWORK		X	VERIFY SHAPE, LOCATION, AND MEMBER DIMENSIONS
POST-INSTALLED ANCHORS	X		IN ACCORDANCE WITH APPROVED ICC-ES REPORT. PERIODIC INSPECTIONS ALLOWED IF STATED IN ES REPORT
STRUCTURAL STEEL CONSTRUCTION (IBC 1705.2, 1705.11, AND 1705.12)			
<i>PRIOR TO WELDING (TABLE N5.4-1, AISC 360-10):</i>			
VERIFY WELDING PROCEDURES	X		
MATERIAL IDENTIFICATION		X	VERIFY TYPE AND GRADE OF MATERIAL
WELDER IDENTIFICATION		X	VERIFY THERE IS A SYSTEM IN PLACE TO IDENTIFY THE WELDER WHO HAS WELDED A JOINT OR MEMBER.
FIT-UP GROOVE WELDS		X	VERIFY JOINT PREPARATION, DIMENSIONS, CLEANLINESS, TACKING, AND BACKING
ACCESS HOLES		X	VERIFY CONFIGURATION AND FINISH
FIT-UP FILLET WELDS		X	VERIFY ALIGNMENT, GAPS AT ROOT, CLEANLINESS OR STEEL SURFACES, TACK WELD QUALITY, AND LOCATION
<i>DURING WELDING (TABLE N5.4-2, AISC 360-10):</i>			
USE OF QUALIFIED INSPECTORS		X	VERIFY THAT WELDERS ARE APPROPRIATELY QUALIFIED
CONTROL AND HANDLING OF WELDING CONSUMABLES		X	VERIFY PACKAGING AND EXPOSURE CONTROL
CRACKED TACK WELDS		X	VERIFY WELDING IS NOT OVER A CRACKED TACK WELD
ENVIRONMENTAL CONDITIONS		X	VERIFY WIND SPEED IS WITHIN LIMITS AS WELL AS PRECIPITATION AND TEMPERATURE
WPS FOLLOWED		X	VERIFY ITEMS SUCH AS WELDING EQUIPMENT SETTINGS, TRAVEL SPEED, WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION
WELDING TECHNIQUES		X	VERIFY INTERPASS AND FINAL CLEANING; EACH PASS IS WITHIN PROFILE LIMITATIONS, AND QUALITY OF EACH PASS
<i>AFTER WELDING (TABLE N5.4-3, AISC 360-10):</i>			
WELDS CLEANED		X	VERIFY THAT WELDS HAVE BEEN PROPERLY CLEANED
SIZE, LENGTH, AND LOCATION OF WELDS	X		
WELDS MEET VISUAL ACCEPTANCE CRITERIA	X		
ARC STRIKES	X		
K-AREA	X		
BACKING AND WELDING TABS REMOVED	X		
REPAIR ACTIVITIES	X		
DOCUMENT ACCEPTANCE/REJECTION OF WELD	X		
<i>OTHER STEEL INSPECTIONS (SECTION N5.7, AISC 360-10, TABLES J8-1 AND J10-1, AISC 341-10):</i>			
STRUCTURAL STEEL DETAILS		X	ALL FABRICATED STEEL AND THEIR CONNECTIONS SHALL BE INSPECTED TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN IN THE APPROVED PLANS

STATEMENT OF SPECIAL INSPECTIONS

SPECIAL INSPECTIONS AND STRUCTURAL TESTING SHALL BE PROVIDED BY AN INDEPENDENT AGENCY EMPLOYED BY THE OWNER FOR THE ITEMS IDENTIFIED IN THIS SECTION AND IN OTHER AREAS OF THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS, UNLESS WAIVED BY THE BUILDING OFFICIAL (SEE IBC CHAPTER 17).

THE NAMES AND CREDENTIALS OF THE SPECIAL INSPECTORS TO BE USED SHALL BE SUBMITTED TO THE BUILDING OFFICIAL FOR APPROVAL.

DUTIES OF THE SPECIAL INSPECTOR:

- a. THE SPECIAL INSPECTOR SHALL REVIEW ALL WORK LISTED BELOW FOR CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AND THE 2018 IBC
- b. THE SPECIAL INSPECTOR SHALL FURNISH SPECIAL INSPECTION REPORTS TO THE EOR, CONTRACTOR, OWNER AND BUILDING OFFICIAL ON A WEEKLY BASIS, OR MORE FREQUENTLY AS REQUIRED BY THE BUILDING OFFICIAL. ALL ITEMS NOT IN COMPLIANCE SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND IF UNCORRECTED, TO THE EOR AND THE BUILDING OFFICIAL
- c. ONCE CORRECTIONS HAVE BEEN MADE BY THE CONTRACTOR, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE BUILDING OFFICIAL STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AS WELL AS THE APPLICABLE WORKMANSHIP PROVISIONS OF THE 2018 IBC.

DUTIES AND RESPONSIBILITIES OF THE CONTRACTOR:

- a. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE OWNER AND THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF WORK. IN ACCORDANCE WITH IBC 1704.4, THE STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED WITHIN THIS "STATEMENT OF SPECIAL INSPECTIONS".
- b. THE CONTRACTOR SHALL NOTIFY THE RESPONSIBLE SPECIAL INSPECTOR THAT WORK IS READY FOR INSPECTION AT LEAST ONE WORKING DAY (24 HOURS MINIMUM) BEFORE SUCH INSPECTION IS REQUIRED
- c. ALL WORK REQUIRING SPECIAL INSPECTION SHALL REMAIN ACCESSIBLE AND EXPOSED UNTIL IT HAS BEEN OBSERVED BY THE SPECIAL INSPECTOR.

PLEASE SEE THE "SPECIAL INSPECTION SCHEDULE" FOR THE TYPES, EXTENTS AND FREQUENCY OF SPECIFIC ITEMS REQUIRING SPECIAL INSPECTIONS AND STRUCTURAL TESTS AS PART OF THIS PROJECT.

PRINT DATE: 6/8/2021 9:35:55 AM



6/17/21

REVISIONS

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CITY OF SPARKS FIRE STATION 2

2900 N. TRUCKEE LANE
SPARKS, NV 89434

DESIGNED BY JNJ
DRAFTED BY ACB

CLIENT INFORMATION
CITY OF SPARKS
431 PRATER WAY
SPARKS, NV 89431

PROJECT# 20-020

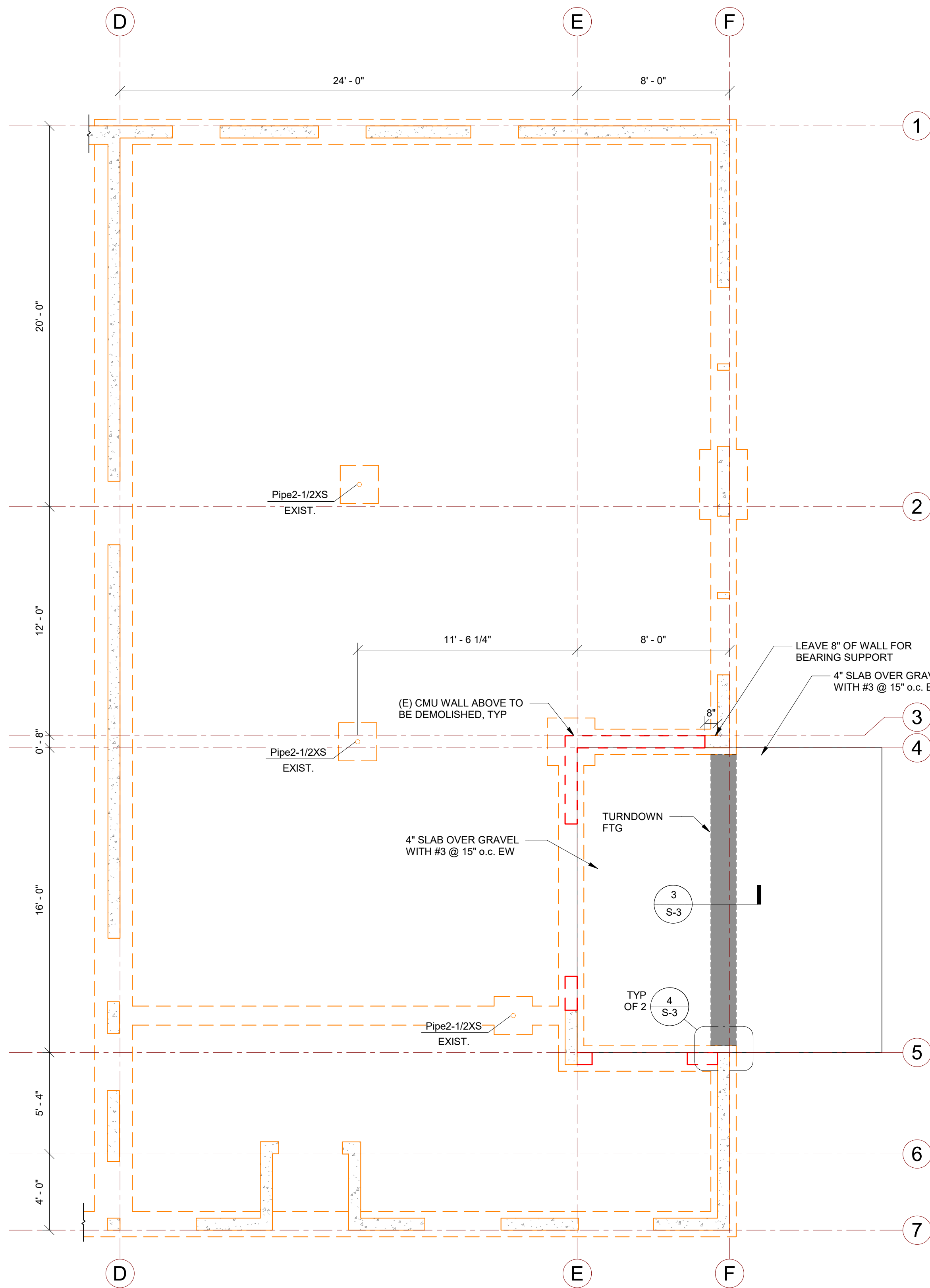
ISSUE DATE 6/17/21

SCALE 1" = 1'-0"

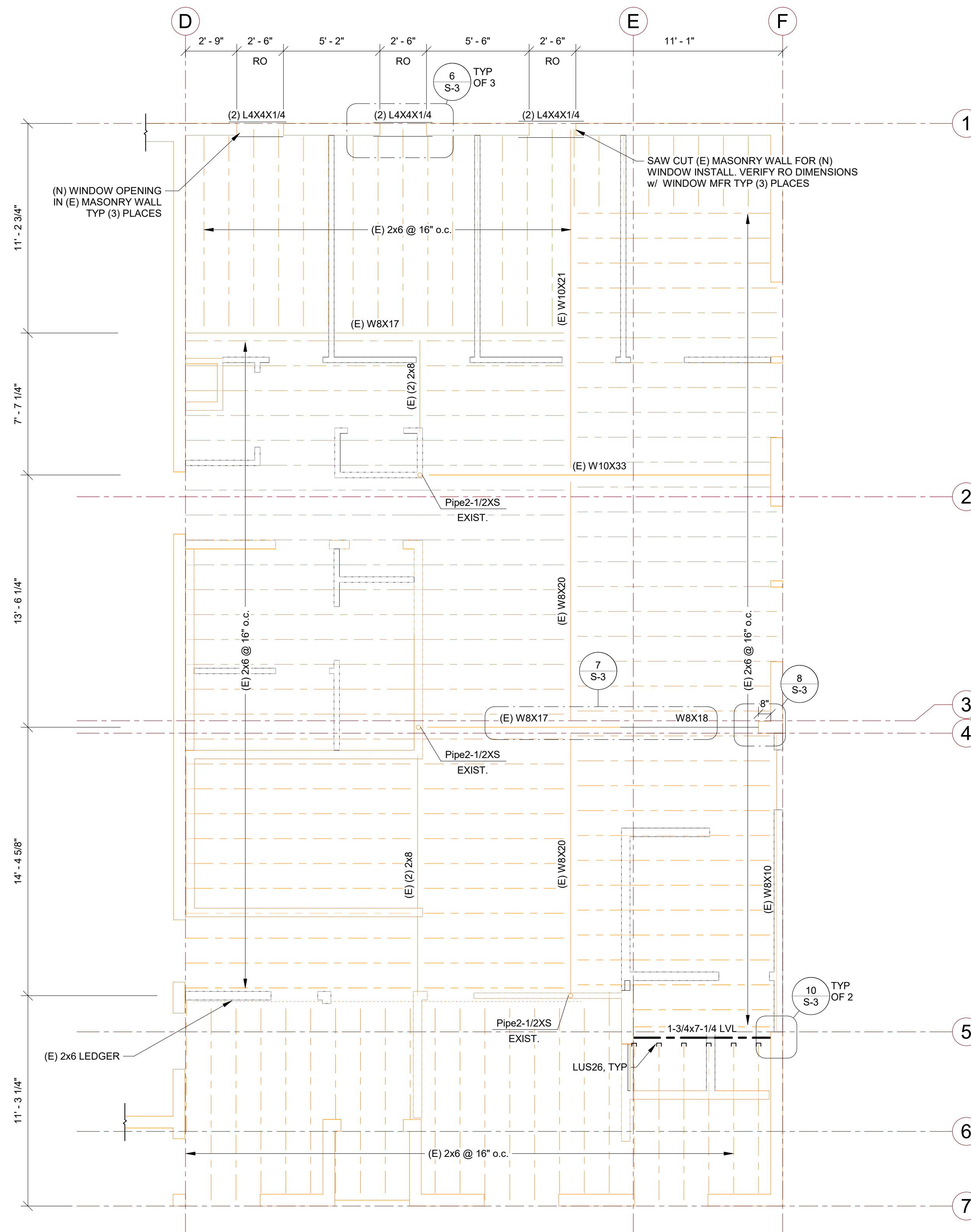
SPECIAL INSPECTIONS

S-1

PRINT DATE: 6/8/2021 9:35:57 AM



FOUNDATION PLAN
1/4" = 1'-0"



CEILING FRAMING PLAN
1/4" = 1'-0"

FOUNDATION NOTES

- 1) SEE TYP NOTES AND DETAILS ON SHEET S-1 FOR ADDITIONAL INFORMATION.
- 2) SECURE ALL HOLDOWN ANCHORS WITHIN FORMWORK PRIOR TO POUR.
- 3) BUILDER SHALL CHECK AND VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- 4) WIDEN/EXTEND FOOTINGS AS REQUIRED TO PROVIDE SUPPORT FOR ANY VENEER SHOWN ON ARCHITECTURAL DRAWINGS.
- 5) INSTALL ALL HOLDOWN ANCHORS PER MANUFACTURER SPECS & EDGE DISTANCE REQUIREMENTS.

FRAMING NOTES

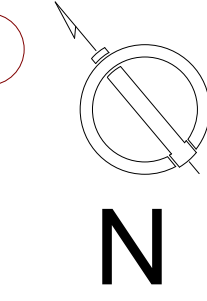
- 1) SEE DETAIL 5/S-3 FOR CONNECTION AT NON-BEARING WALLS.
- 2) PROVIDE MIN. OF ONE STUD UNDER EVERY TRUSS OR RAFTER.
- 3) PROVIDE SINGLE TRIMMERS AT ALL HEADERS MIN. UNO. INSTALL KINGSTUDS AS REQUIRED PER TYPICAL TRIMMER/KINGSTUD DETAIL
- 4) SEE ADDITIONAL REQUIREMENTS IN STRUCTURAL SPECIFICATIONS SHEET S-1.

FOUNDATION & FRAMING LEGEND

- NEW FOOTING
- EXISTING FOOTING
- WALLS BELOW FRAMING
- (E) WALLS BELOW FRAMING
- (E) WALLS TO BE DEMOLISHED
- CONCEALED BEAM OR HEADER
- (E) BEAM OR HEADER
- (E) CEILING JOIST

POST, TRIMMER OR COLUMN

- MEMBER SIZE
- 6x6
- PC / PB
- HARDWARE AT BOTTOM
- HARDWARE AT TOP (WHERE OCCURS)



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2900 N. TRUCKEE LANE
SPARKS, NV 89434

DESIGNED BY JUN
DRAFTED BY ACB

CLIENT INFORMATION
CITY OF SPARKS
431 PRATER WAY
SPARKS, NV 89431

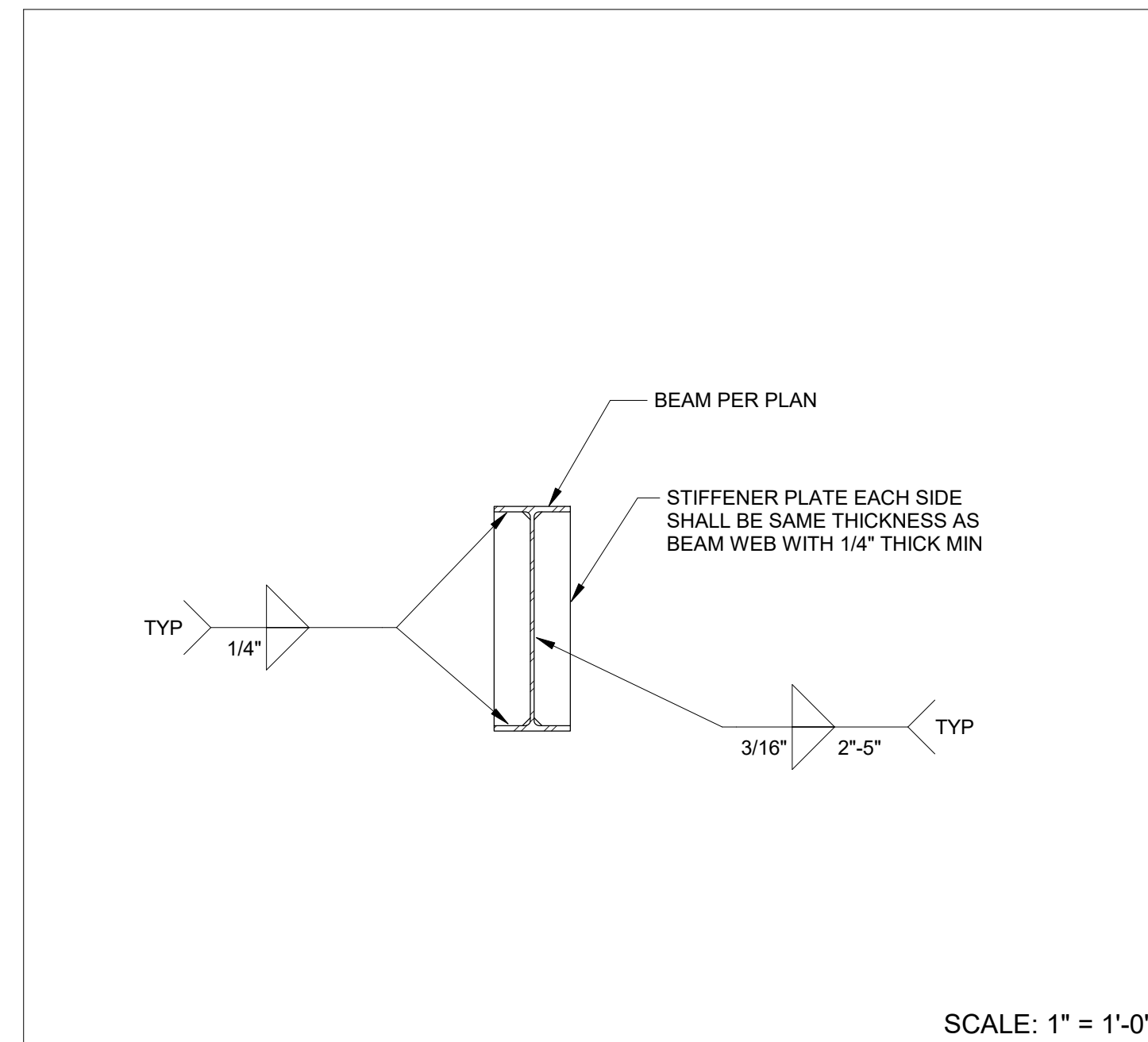
PROJECT# 20-020

ISSUE DATE 6/17/21

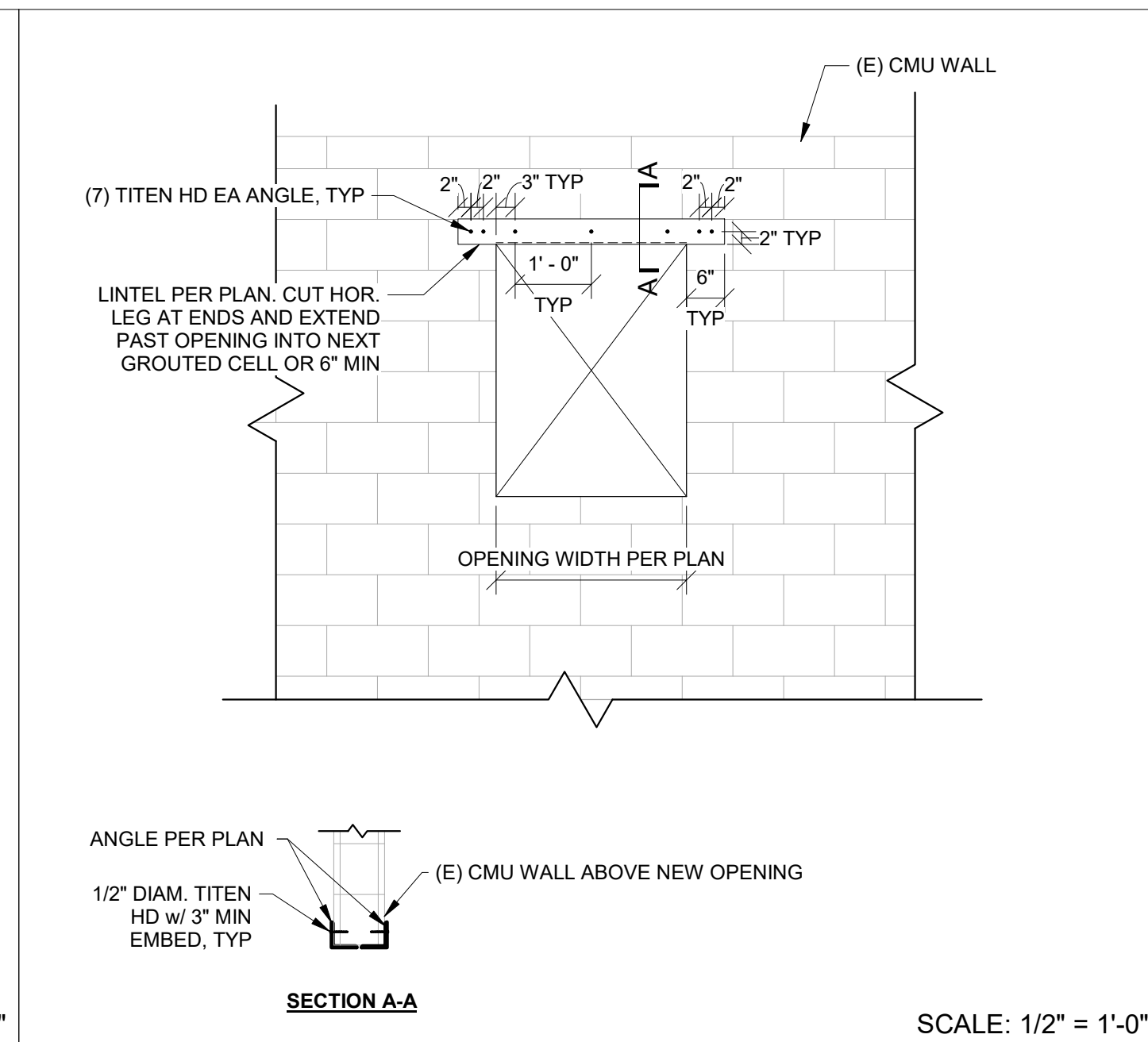
SCALE As indicated

FOUNDATION AND FRAMING PLANS

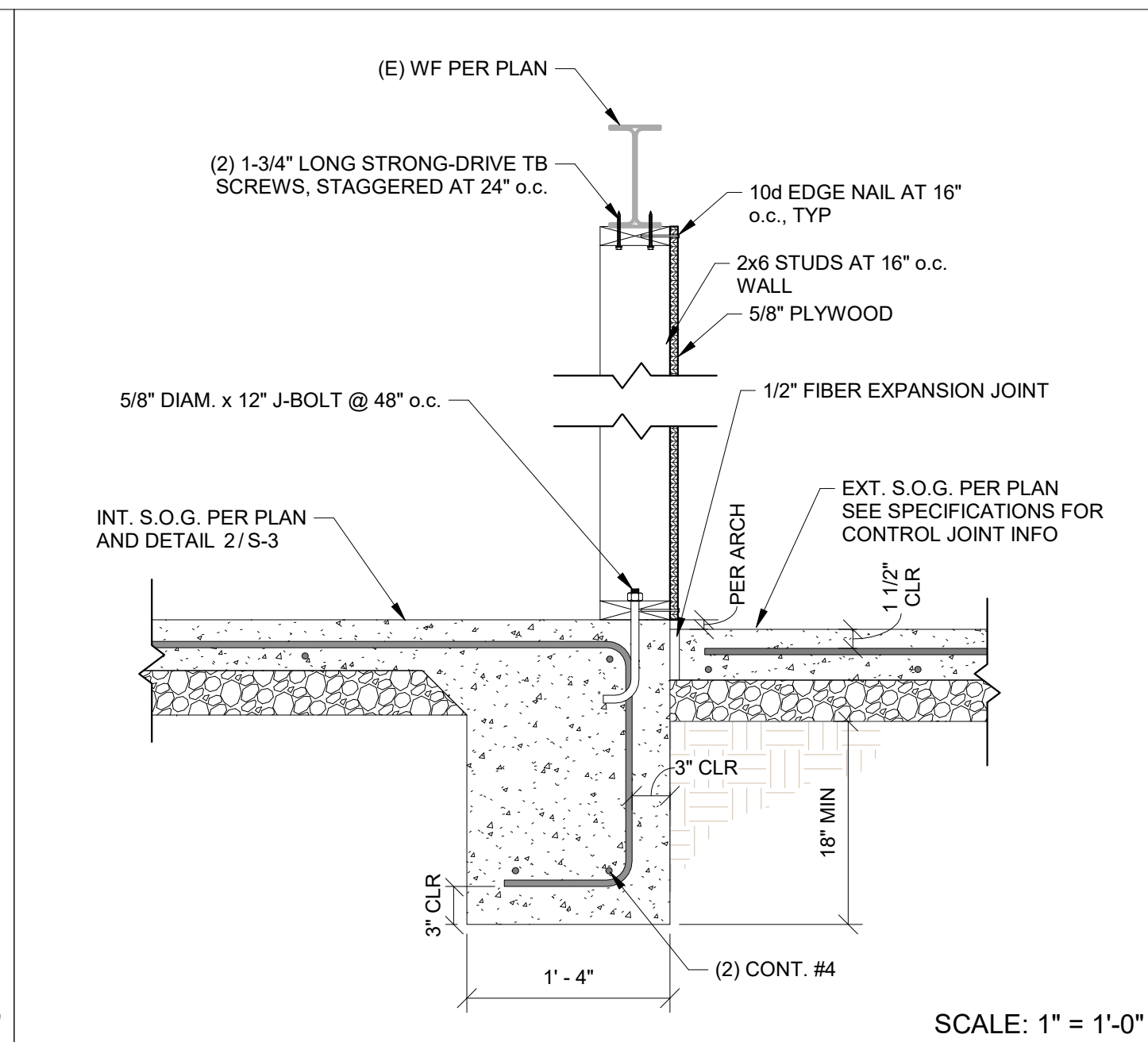
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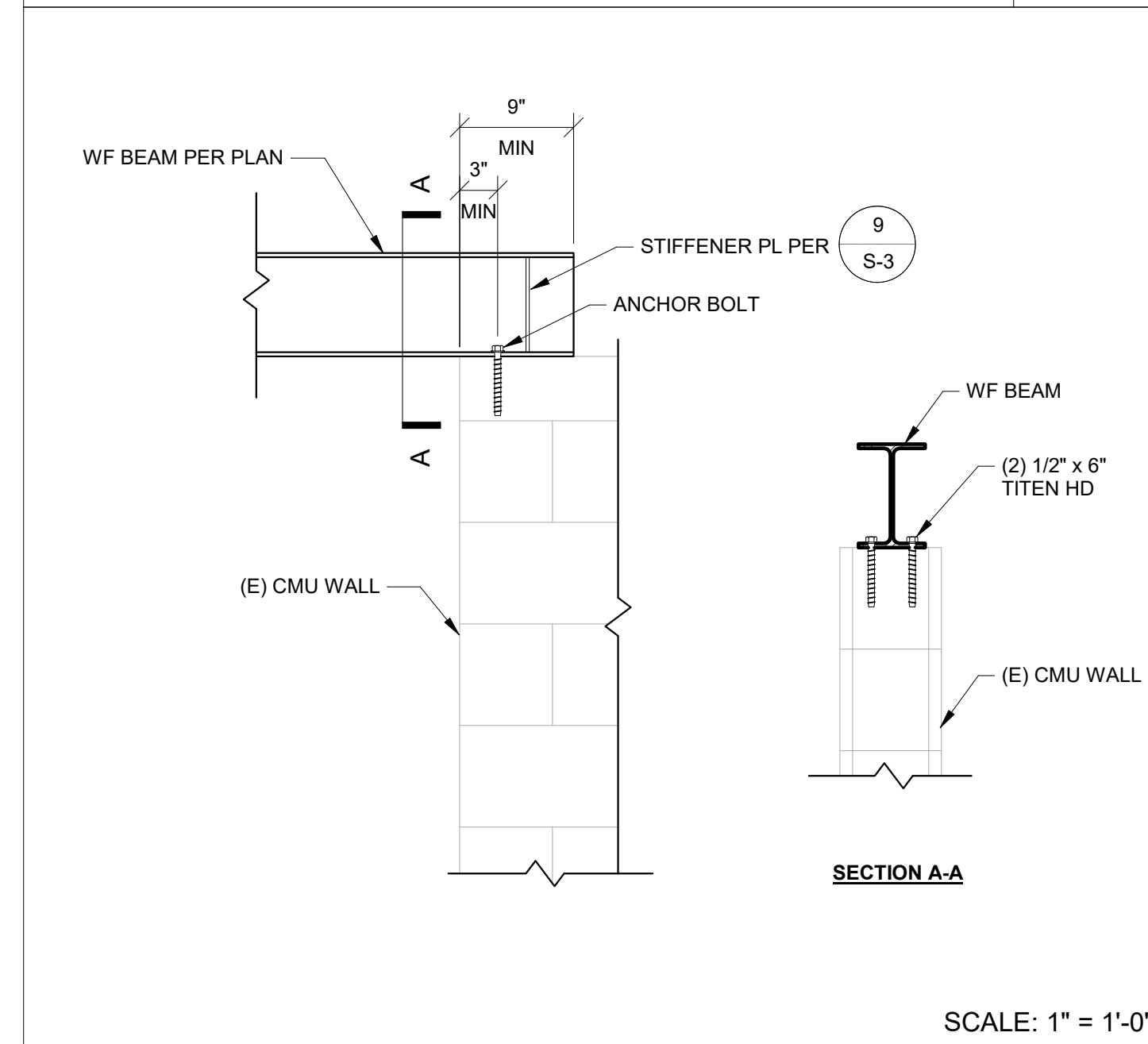
BEAM (WF) STIFFENER PLATE 9 SCALE: 1" = 1'-0"



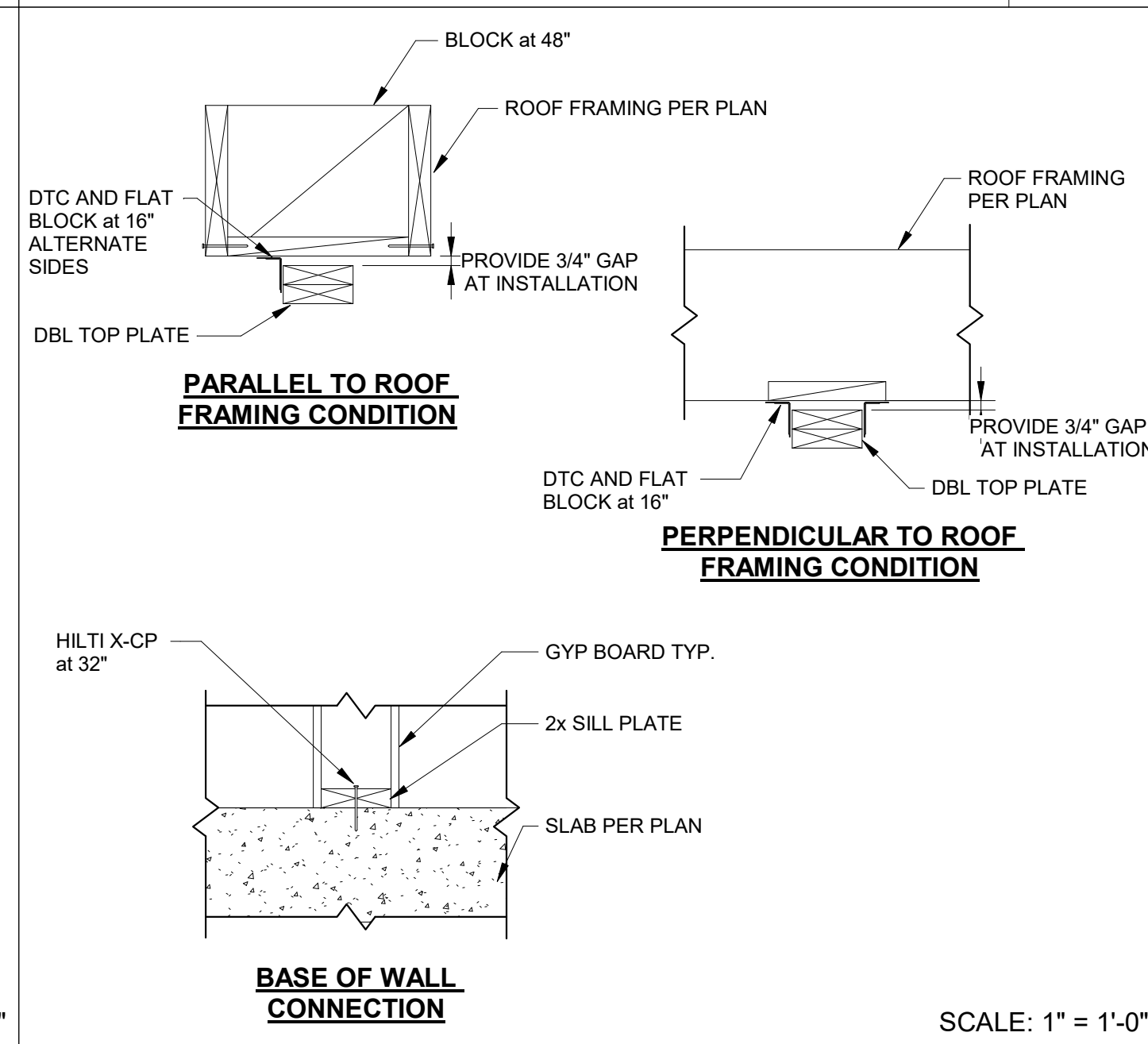
LINTEL IN (E) MASONRY WALL 6 SCALE: 1/2" = 1'-0"



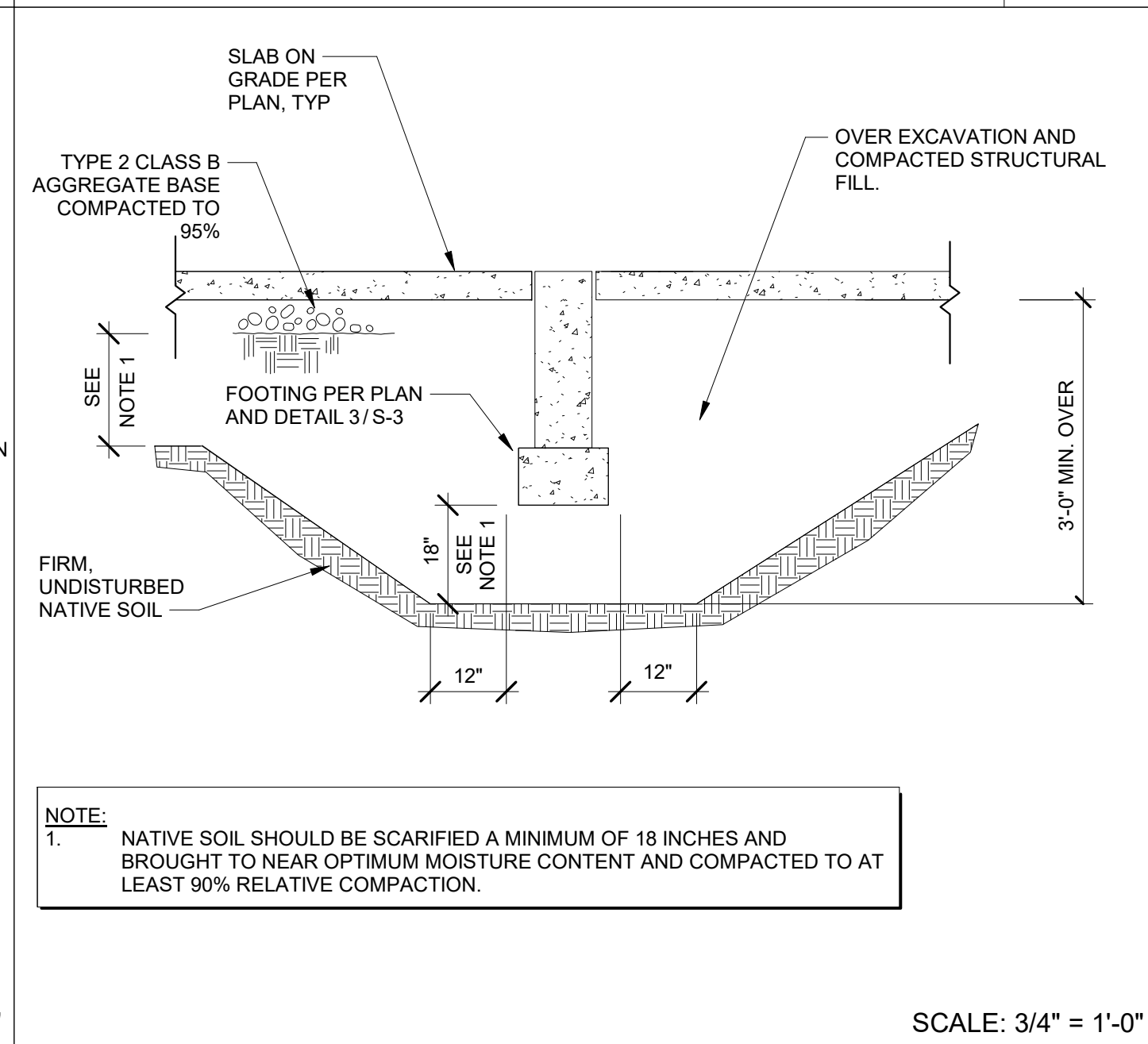
STUDWALL OVER TURNDOWN FTG 3 SCALE: 1" = 1'-0"



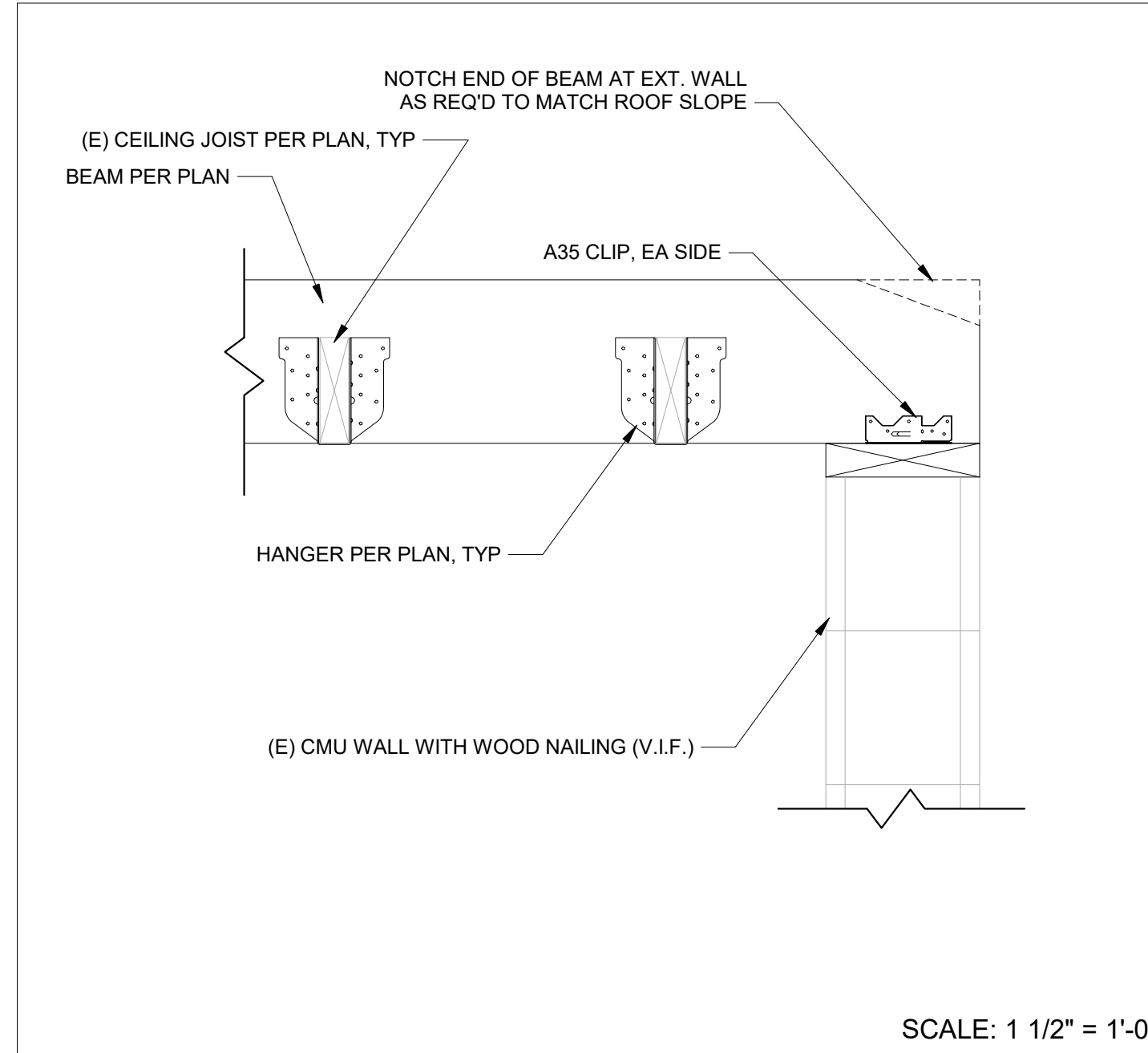
WF TO T/ (E) MASONRY WALL 8 SCALE: 1" = 1'-0"



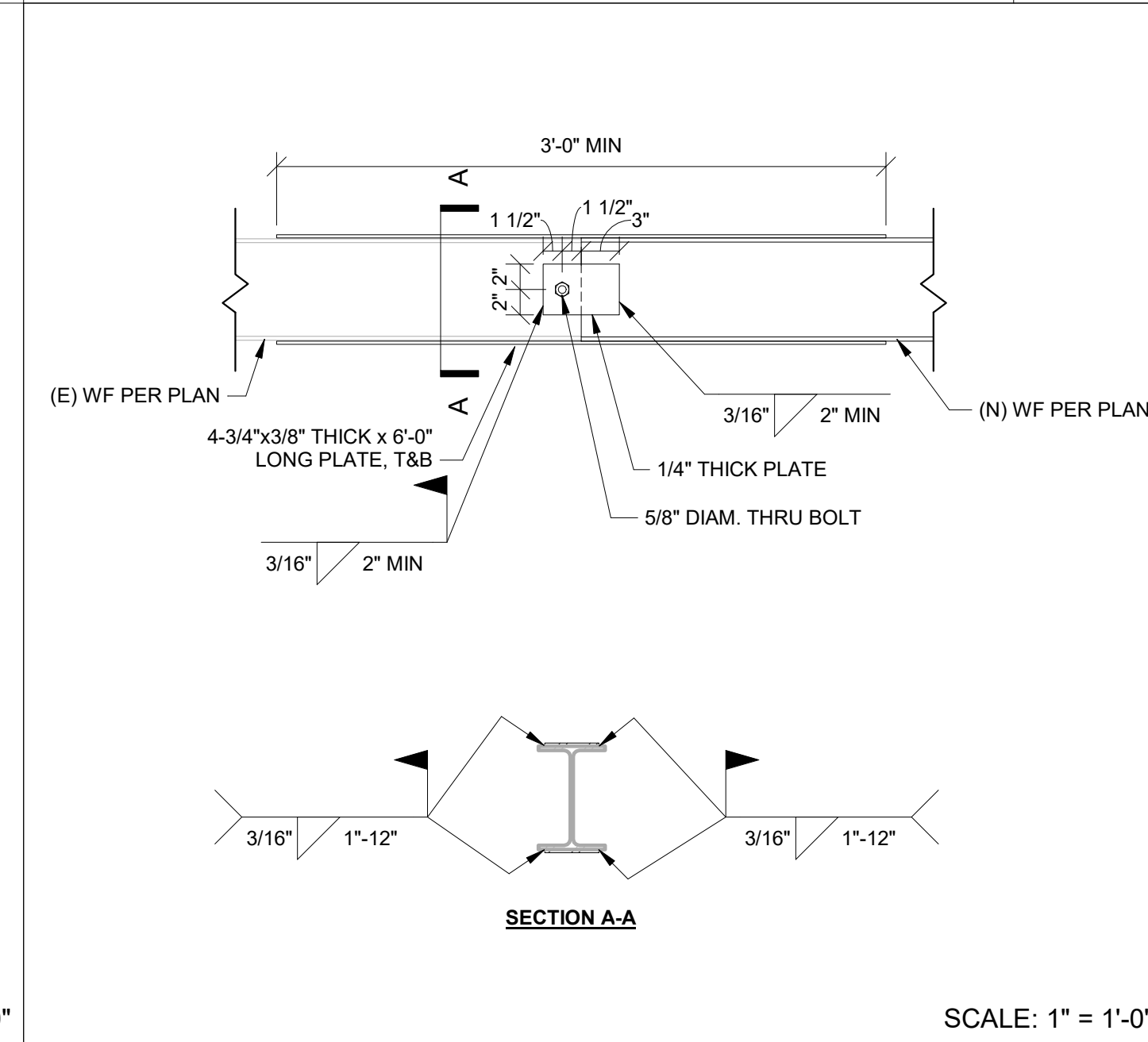
NON BEARING WALL CONNECTIONS 5 SCALE: 1" = 1'-0"



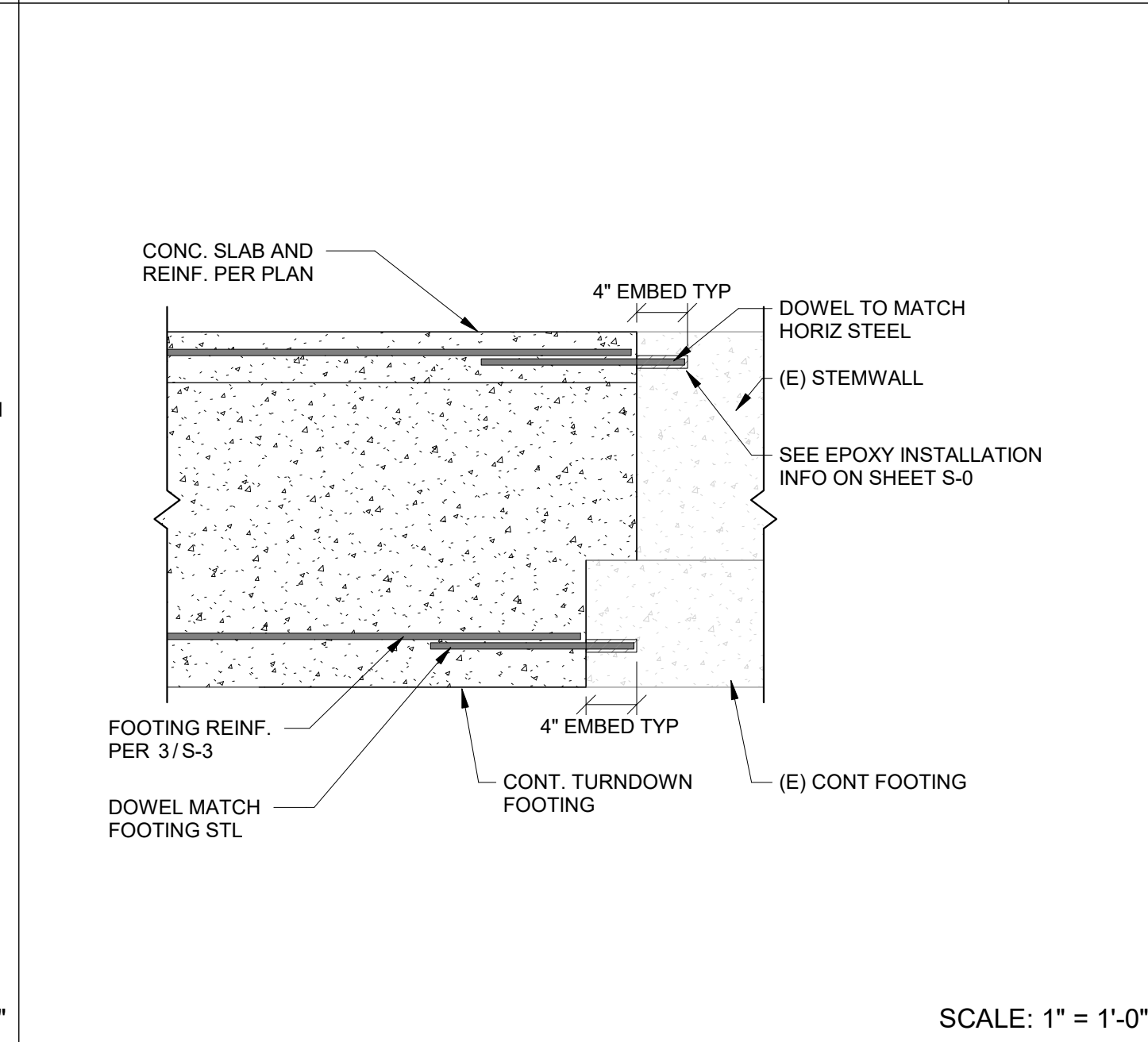
TYPICAL SOILS PREPARATION 2 SCALE: 3/4" = 1'-0"



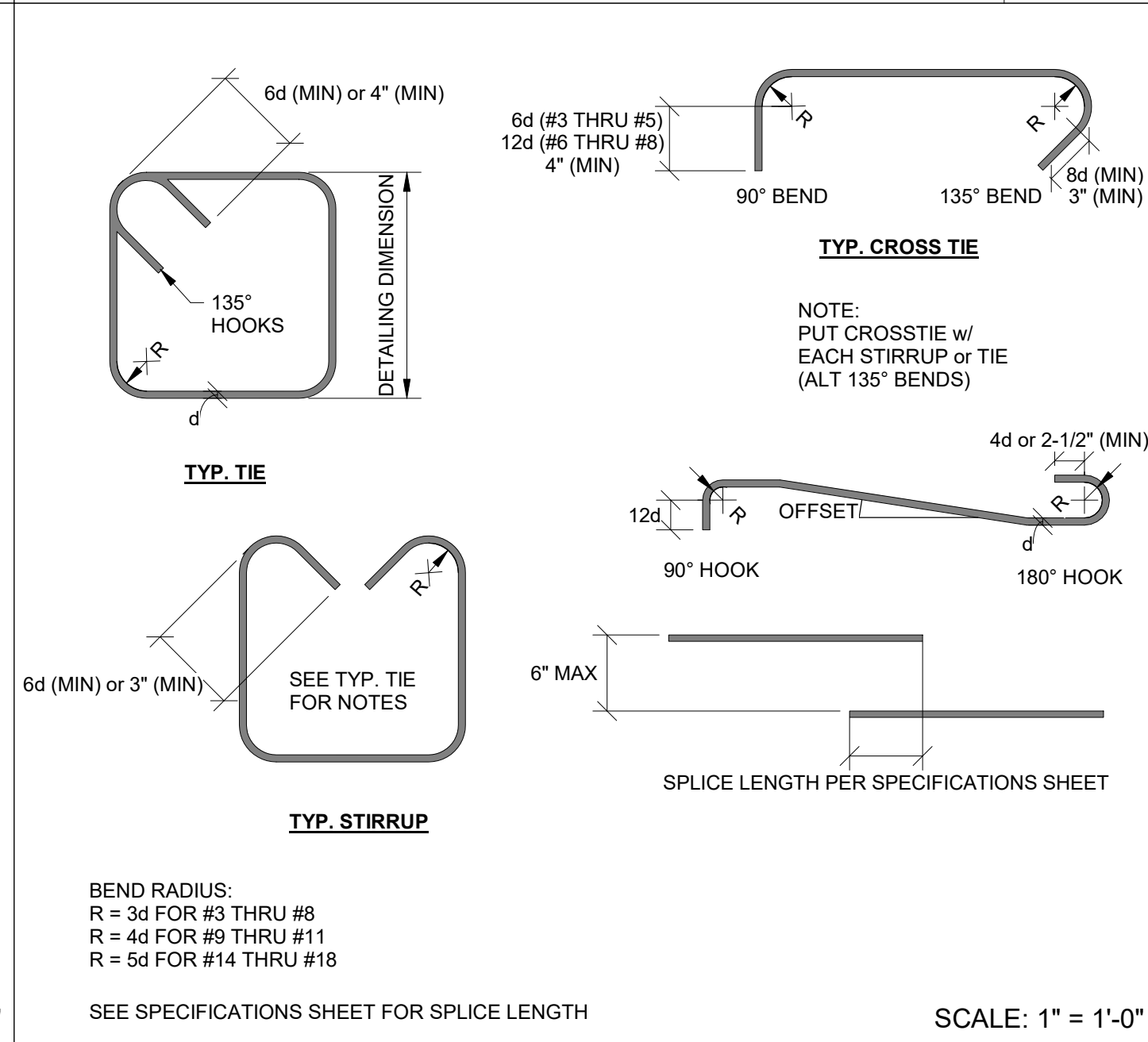
(E) JOISTS TO BEAM 10 SCALE: 1 1/2" = 1'-0"



WF TO (E) WF 7 SCALE: 1" = 1'-0"



NEW FOOTING DOWEL INTO (E) FOOTING 4 SCALE: 1" = 1'-0"



BENDS AND HOOKS 1 SCALE: 1" = 1'-0"

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 info@linchpinse.com | 530.863.6341
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6/17/21

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CITY OF SPARKS FIRE STATION 2

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 SPARKS, NV 89434

DESIGNED BY	JUN
DRAFTED BY	ACB
CLIENT INFORMATION	CITY OF SPARKS 431 PRATER WAY SPARKS, NV 89431
PROJECT#	20-020
ISSUE DATE	6/17/21
SCALE	As indicated

S-3

MECHANICAL SPECIFICATIONS

A. GENERAL

- THE INFORMATION INDICATED ON THESE DRAWINGS AS EXISTING IS BASED UPON INFORMATION TAKEN FROM AS-BUILT DRAWINGS, FIELD INVESTIGATION, AND INFORMATION OBTAINED FROM SUBMITTAL DATA, ETC. THE PLANS DO NOT GUARANTEE ACCURACY BUT ARE ONLY AN INDICATION OF EXISTING CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY EXACT CONDITIONS SUCH AS EQUIPMENT PLACEMENT, DUCTWORK (SIZE, ROUTING, AND ELEVATION), PIPING (SIZE, ROUTING, AND ELEVATION), ETC. THE DRAWINGS ARE INTENDED TO PROVIDE THE CONTRACTOR AN INDICATION OF THE SYSTEM INSTALLED IN THE FACILITY TO DATE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ADJUSTMENTS TO THE DRAWING INFORMATION AS REQUIRED TO MATCH EXISTING FIELD CONDITIONS.
- THE CONTRACTOR SHALL INSTALL THE NEW EQUIPMENT, DUCTWORK, AND PIPING AROUND ALL EXISTING OBSTACLES INCLUDING: ELECTRICAL CONDUIT, DOMESTIC WATER PIPING, WASTE AND VENT PIPING, ACID WASTE AND VENT PIPING, CHILLED AND HEATING WATER PIPING, AND FIRE SPRINKLER PIPING. PROVIDE OFFSETS TO AVOID RELOCATION OF OTHER UTILITIES. RELOCATE UTILITIES IF THEY ARE IN CONFLICT WITH THE MECHANICAL SYSTEM INSTALLATION, CAUSE DEVIATIONS IN THE DESIGN INTENT, UNSATISFACTORY OPERATION, NOISY CONDITIONS, OR INTERFERE WITH MAINTENANCE. IT IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE ANY UTILITY RELOCATION WITH THE APPROPRIATE SUBCONTRACTOR.
- PROVIDE ALL NECESSARY LABOR, MATERIALS, EQUIPMENT, SERVICES AND INSURANCES TO COMPLETE THE HEATING, VENTILATING AND AIR CONDITIONING WORK WITHIN THE FULL INTENT OF THE DRAWINGS AND SPECIFICATIONS CONTAINED HEREON AND TO THE ENTIRE SATISFACTION OF THE ARCHITECT/ENGINEER.
- PROVIDE ALL NECESSARY LABOR, MATERIALS, EQUIPMENT, SERVICES AND INSURANCES TO COMPLETE THE HEATING, VENTILATING AND AIR CONDITIONING WORK WITHIN THE FULL INTENT OF THE DRAWINGS AND SPECIFICATIONS CONTAINED HEREON AND TO THE ENTIRE SATISFACTION OF THE ARCHITECT/ENGINEER.
- PROVIDE ALL PERMITS AND FEES AS REQUIRED FOR THE MECHANICAL WORK.
- CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE PROJECT BEFORE BIDDING.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC), 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2018 INTERNATIONAL FIRE CODE (IFC), 2018 UNIFORM MECHANICAL CODE (UMC), 2018 UNIFORM PLUMBING CODE (UPC), 2017 NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS, AND ALL OTHER APPLICABLE CODES, RULES, AND LOCAL REQUIREMENTS.
- GUARANTEE ALL WORK AND MATERIALS FOR A PERIOD OF ONE YEAR.
- ALL DIMENSIONS AND MEASUREMENTS SHALL BE VERIFIED AT THE JOBSITE BEFORE FABRICATION AND/OR INSTALLATION OF THE EQUIPMENT.
- PROVIDE AND INSTALL ALL EQUIPMENT, DUCT, PIPING, AND CONTROLS AS SHOWN ON THE DRAWINGS.

B. SUBMITTALS

- ELECTRONIC SUBMITTALS IN ADOBE PDF FORMAT, IN LIEU OF PAPER COPIES, WILL BE ACCEPTABLE.
- SUBSTITUTED ITEMS SHALL BE SUBMITTED WITH MANUFACTURER'S DESCRIPTIVE DATA AND MUST SHOW EQUALITY TO EQUIPMENT SPECIFIED. INFORMATION ON SUBSTITUTED ITEMS MUST BE COMPLETE, INCLUDING, BUT NOT LIMITED TO: DESIGN, CONSTRUCTION MATERIALS, CONSTRUCTION QUALITY, AND SOUND LEVELS. ENGINEER WILL NOT RESEARCH INFORMATION REQUIRED TO COMPARE EQUIPMENT. ENGINEER RESERVES THE RIGHT TO REQUIRE SPECIFIED EQUIPMENT.
- SUBMIT MANUFACTURER'S DESCRIPTIVE DATA WITHIN TEN (10) WORKING DAYS AFTER AWARD OF THE CONTRACT. MATERIALS AND EQUIPMENT SHALL NOT BE ORDERED PRIOR TO SUBMITTAL APPROVAL. ALLOW TEN (10) WORKING DAYS AFTER RECEIPT OF SUBMITTALS IN THE ENGINEER'S OFFICE BEFORE REVIEWED SUBMITTALS WILL BE RETURNED.
- UPON COMPLETION OF THE PROJECT, AND PRIOR TO FINAL ACCEPTANCE PAYMENT, SUBMIT AS-BUILT DRAWINGS AND OPERATING AND MAINTENANCE INSTRUCTIONS.

C. WORKMANSHIP

- ALL WORK TO BE PERFORMED BY QUALIFIED PERSONNEL NORMALLY ENGAGED IN THE RESPECTIVE LINE OF WORK.
- PERFORM ALL WORK IN A MANNER NOT TO DISTURB THE NORMAL OPERATION OF THE BUILDING.
- COORDINATE ALL WORK WITH THE OWNER'S REPRESENTATIVE.
- COORDINATE ALL WORK WITH THE OTHER TRADES.
- THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL WORK ACCEPTABLE TO THE OWNER'S REPRESENTATIVE.

D. DEMOLITION

- DEMOLITION WORK SHALL NOT CREATE ANY DUST PROBLEMS IN THE WORKING SPACES.

E. CUTTING, PATCHING, AND PAINTING

- ALL CUTTING AND PATCHING TO BE PERFORMED BY THE GENERAL CONTRACTOR.
- CUTTING OF ALL OPENINGS SHALL BE COORDINATED WITH THE OWNER'S ENGINEERING REPRESENTATIVE.
- WATER WILL NOT BE USED FOR CONCRETE CUTTING WITHOUT THE DIRECT SUPERVISION OF THE OWNER'S ENGINEERING REPRESENTATIVE.
- USE ONLY IF NO ARCHITECT ON PROJECT. WALL SURFACES SHALL BE PRIMED AND PAINTED. PAINT TYPE AND COLOR SHALL BE AS SPECIFIED BY THE OWNER'S REPRESENTATIVE.

F. PRODUCT HANDLING

- USE ALL MEANS NECESSARY TO PROTECT ALL MATERIALS AND EQUIPMENT BEFORE, DURING, AND AFTER INSTALLATION AND TO PROTECT THE MATERIALS AND WORK OF THE OTHER TRADES.
- IN THE EVENT OF DAMAGE, IMMEDIATELY MAKE ALL REPAIRS AND REPLACEMENTS NECESSARY TO THE APPROVAL OF THE ENGINEER AND AT NO ADDITIONAL COST TO THE OWNER.

G. SEISMIC RESTRAINTS

- ALL EQUIPMENT, DUCTWORK, PIPING, AND CONDUIT SHALL BE SEISMICALLY RESTRAINED PER THE 2018 IBC.
- REFERENCES: INTERNATIONAL BUILDING CODE (IBC) SECTION 1613.1, AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) SECTION 13.6, SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION (SMACNA) SEISMIC RESTRAINT MANUAL, AND AMERICAN SOCIETY OF PLUMBING ENGINEERS (ASPE) PLUMBING ENGINEERING DESIGN HANDBOOK.

H. DUCTWORK

- AIR DISTRIBUTION DUCT SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH CURRENT EDITIONS OF THE ASHRAE GUIDE AND WITH S.M.A.C.N.A. DUCT CONSTRUCTION STANDARDS.
- DUCTS LINED WITH INSULATION SHALL BE INCREASED IN SIZE TO ALLOW FOR INSULATION THICKNESS SO THAT DIMENSIONS SHOWN ON DRAWINGS WILL BE NET INSIDE DIMENSIONS.
- DUCTS SHALL BE PROVIDED WITH HANGERS TO PREVENT ANY BENDING OR SAGGING. HANGERS SHALL BE GALVANIZED STRAP IRON LOOPS WHICH SHALL BE FASTENED TO OVERHEAD CONSTRUCTION IN A SECURE MANNER. SIZE, GAUGE, AND SPACING SHALL BE PER S.M.A.C.N.A. STANDARDS.
- FLEXIBLE DUCTWORK LOCATED IN UNCONDITIONED SPACE SHALL BE A FACTORY FABRICATED ASSEMBLY CONSISTING OF A FLAME RESISTANT, DOUBLE LAMINATION OF POLYESTER INNER LINER BONDED TO A COATED SPRING STEEL WIRE HELIX, 2" THICK FIBERGLASS INSULATION FOR AN INSULATING VALUE OF R8, AND AN OUTER VAPOR BARRIER JACKET OF METALIZED POLYESTER FILM. FLEXIBLE DUCT TO BE ATCO UPC-036. FLEXIBLE DUCT RUNOUTS SHALL NOT EXCEED 5 FEET IN LENGTH.
- MANUAL VOLUME DAMPERS: AIR BALANCE INC. MODELS AC-111 AND AC-112 OR APPROVED EQUAL. DAMPERS SHALL BE FURNISHED WITH INSULATION STANDOFFS AND LOCKING QUADRANT HANDLES. RESIDENTIAL TYPE WILL NOT BE PERMITTED.

I. GRILLES, REGISTERS, AND DIFFUSERS

- AN AIR DISTRIBUTION SCHEDULE IS SHOWN ON DRAWINGS. UNITS OF EQUAL PERFORMANCE, CONSTRUCTION, AND SOUND CRITERIA BY MAJOR MANUFACTURERS WILL BE CONSIDERED FOR APPROVAL. SEE SUBSTITUTION REQUIREMENTS.
- COORDINATE LOCATIONS WITH CEILING GRID DESIGN AND LIGHT FIXTURE PATTERN.

J. DUCT INSULATION

- ACCEPTABLE MANUFACTURERS: CERTAINTEED, KNAUF, JOHNS MANVILLE, AND OWENS CORNING.
- ROUND SUPPLY AND RETURN DUCT AND FITTINGS LOCATED IN UNCONDITIONED SPACE SHALL BE EXTERNALLY INSULATED WITH JOHNS MANVILLE MICROLITE 100 (OR EQUAL) 2" THICK, R-6 MINIMUM INSTALLED INSULATING VALUE, 1# DENSITY FIBERGLASS BLANKET INSULATION WITH FSK VAPOR BARRIER JACKET.

K. TESTING AND BALANCING

- TEST & BALANCE TO BE CONDUCTED BY RAGLEN SYSTEM BALANCE OR A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL, AND THEY SHALL SUBMIT THREE (3) COPIES OF A FINAL SYSTEM PERFORMANCE REPORT TO THE ENGINEER FOR APPROVAL AND BEFORE THE FINAL INSPECTION.
- AFTER COMPLETION OF THE INSTALLATION WORK, TEST AND REGULATE ALL COMPONENTS OF THE NEW SYSTEMS TO THE SATISFACTION OF THE OWNER'S ENGINEERING REPRESENTATIVE.
- DIFFUSERS, GRILLES, REGISTERS: ADJUST THROW PATTERN AS SHOWN ON THE DRAWINGS. ADJUST AIR QUANTITIES WITHIN -0 TO +10% OF THE DESIGN AIR QUANTITIES.

L. IDENTIFICATION

- PLASTIC NAMEPLATES: LAMINATED THREE LAYER WITH ENGRAVED BLACK LETTERS ON A LIGHT CONTRASTING BACKGROUND COLOR. INSTALL PLASTIC NAMEPLATES WITH CORROSION RESISTANT MECHANICAL FASTENERS, OR ADHESIVE.

M. RELATED WORK

- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL POWER WIRING AND EQUIPMENT DISCONNECTS, UNLESS INCLUDED WITH EQUIPMENT, TO MAKE SYSTEM OPERATIONAL.

MECHANICAL SYMBOL LIST

(NOTE: ALL OF THE SYMBOLS INDICATED BELOW MAY NOT APPEAR ON THIS PROJECT)

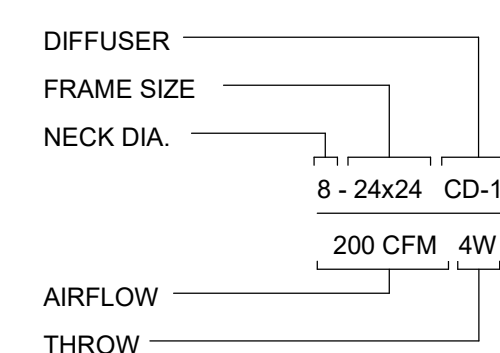
	RL	REFRIGERANT LIQUID PIPING	CLG	CEILING
	RS	REFRIGERANT SUCTION PIPING	DB	DRY BULB TEMPERATURE
	U	UNION	DDC	DIRECT DIGITAL CONTROL
	P.D.	PIPING TEE DOWN	DL	DOOR LOUVER
	P.U.	PIPING TEE UP	DN	DOWN
	P.U.	PIPING ELBOW UP	(E)	EXISTING
	P.D.	PIPING ELBOW DOWN	EAT	ENTERING AIR TEMPERATURE
		BRANCH - TOP CONNECTION	EDB	ENTERING DRY BULB
		BRANCH - BOTTOM CONNECTION	*F	DEGREES FARENHEIT
		ARROW INDICATES DIRECTION OF FLOW	F.A.	FROM ABOVE
	P.O.C.	POINT OF CONNECTION - NEW ITEMS TO EXISTING ITEMS	F.B.	FROM BELOW
	P.O.D.	POINT OF DISCONNECTION	FT.	FEET
	S.A.	SUPPLY AIR DUCT DOWN	LAT	LEAVING AIR TEMPERATURE
	S.A.	SUPPLY AIR DUCT UP	MAX	MAXIMUM
	R.A.	RETURN AIR DUCT DOWN	MBH	BRITISH THERMAL UNITS PER HOUR (THOUSANDS)
	R.A.	RETURN AIR DUCT UP	MIN	MINIMUM
	E.A.	EXHAUST AIR DUCT DOWN	(N)	NEW
	E.A.	EXHAUST AIR DUCT UP	RL / RS	REFRIGERANT LIQUID LINE / REFRIGERANT SUCTION LINE
	S.A.D.	SUPPLY AIR DIFFUSER WITH FLEX CONNECTION	S.E.E.R.	SEASONAL ENERGY EFFICIENCY RATIO
	R.A.G.	RETURN AIR GRILLE OPEN TO CEILING SPACE	SP	STATIC PRESSURE
	EQ #	MECHANICAL EQUIPMENT INDICATED (SEE SCHEDULE)	STD	STANDARD
	T.	THERMOSTAT	T	TEMPERATURE
	R.	ROOM TEMPERATURE SENSOR	T.A.	TO ABOVE
	AFF	ABOVE FINISHED FLOOR	T.B.	TO BELOW
	AFG	ABOVE FINISHED GRADE	TYP	TYPICAL
	BDD	BACKDRAFT DAMPER	WB	WET BULB TEMPERATURE
	BTUH	BRITISH THERMAL UNITS PER HOUR		
	CFM	CUBIC FEET PER MINUTE		

EXHAUST FAN SCHEDULE						
SYM	EQUIPMENT DESCRIPTION	MANUFACTURER / MODEL	CAPACITIES	EQUIPMENT FEATURES	ELECTRICAL LOADS	NOTES:
	EXHAUST FAN	COOK MODEL No. 70C15DH	175 CFM AT .25" SP, 5.1 SONES, 48 dBA, AND 60 LWA	ROOF MOUNTED CENTRIFUGAL DOWNBLAST FAN	115V 1Ø 60HZ	1. SOUND LEVELS SHOWN IN THIS SCHEDULE ARE OBTAINED FROM THE MANUFACTURER'S PUBLISHED DATA. SOUND LEVELS WILL VARY DEPENDING ON THE ACTUAL INSTALLATION. SOUND LEVELS MAY EXCEED THE DATA NOTED IN THIS SCHEDULE.

(E) ROOFTOP UNIT SCHEDULE						
SYM	EQUIPMENT DESCRIPTION	MANUFACTURER / MODEL	CAPACITIES	INPUT (MBH)	ELECTRICAL LOADS	NOTES:
SEE PLANS	ROOFTOP UNIT	TRANE MODEL No. 4YCC30118A1040A	600 CFM	40	208V 1Ø 60HZ	

AIR DISTRIBUTION SCHEDULE						
TAG	MANUF.	TYPE	FACE	FRAME	MODEL	REMARKS
CD-1	KRUEGER	SUPPLY	DROP FACE	GYPSUM BOARD	1400 SERIES	STEEL
RG-1	KRUEGER	RETURN	EGGCRATE	GYPSUM BOARD	EGC5	ALUMINUM
EG-1	KRUEGER	EXHAUST	EGGCRATE	GYPSUM BOARD	EGC5	ALUMINUM

AIR DISTRIBUTION SCHEDULE



NOTE: COLOR SHALL BE STANDARD WHITE FINISH.

Kimley»Horn
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PHONE: 775-787-7552
WWW.KIMLEY-HORN.COM



06/17/2021

MECHANICAL SCHEDULES, SPECIFICATIONS, AND SYMBOLS m001

SPARKS FIRE STATION 2 DORMITORY REMODEL

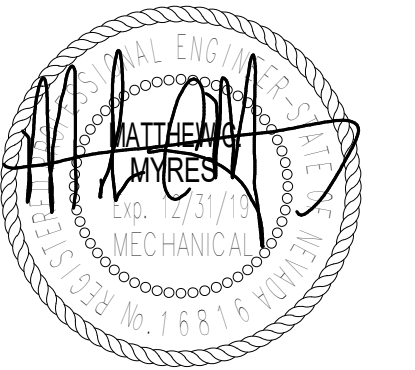
City of Sparks

2900 N Truckee Lane
Sparks, NV 89434

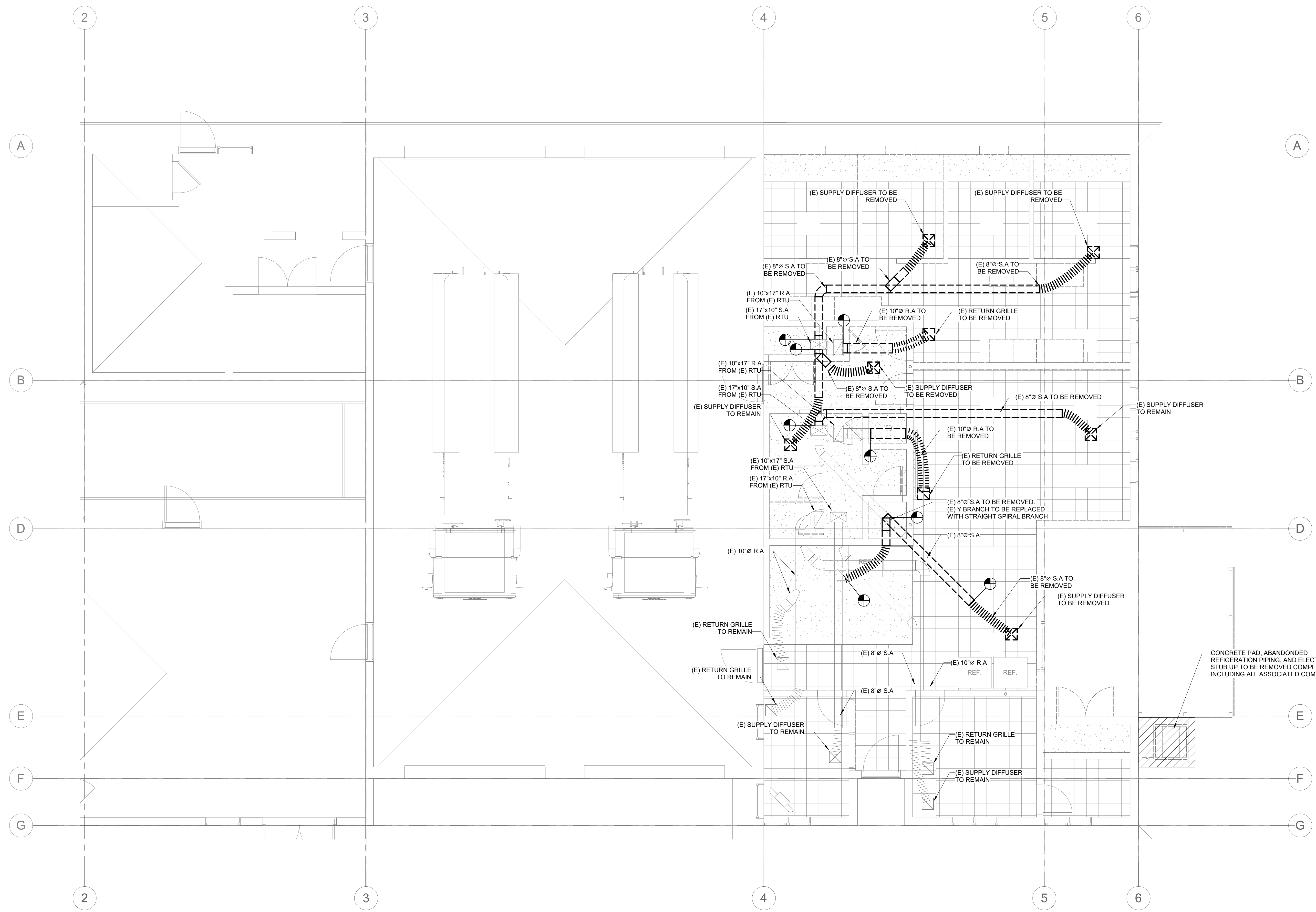
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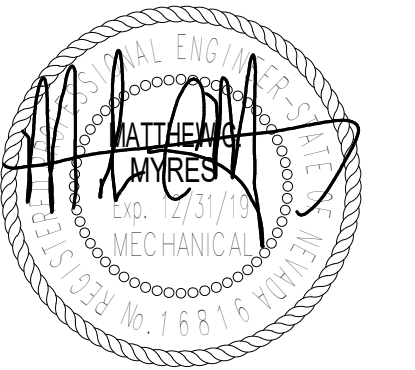
MECHANICAL DEMO PLAN
m101

SPARKS FIRE STATION 2 DORMITORY REMODEL
 City of Sparks

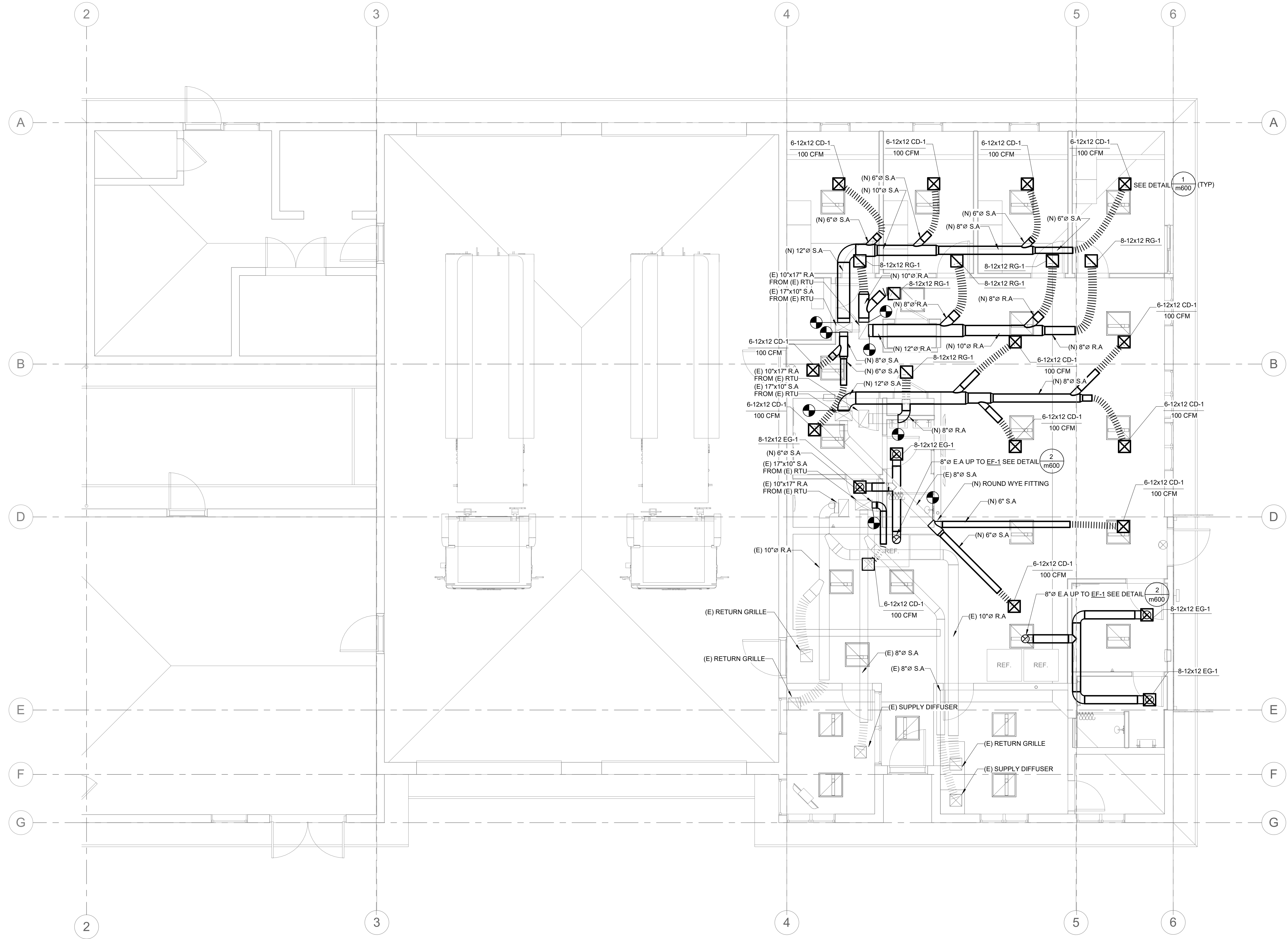
2900 N Truckee Lane
 Sparks, NV 89434

No.	Description	Date

1 MECHANICAL DEMO PLAN
 SCALE: 1/4" = 1'-0"



06/17/2021



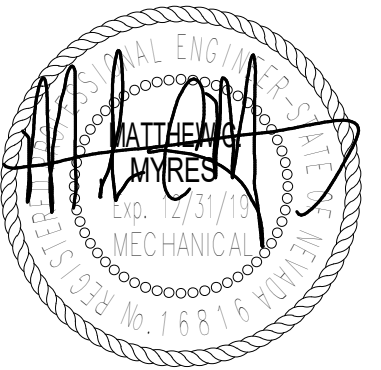
**MECHANICAL
 CEILING PLAN
 m201**

**SPARKS FIRE STATION 2
 DORMITORY REMODEL**
 City of Sparks

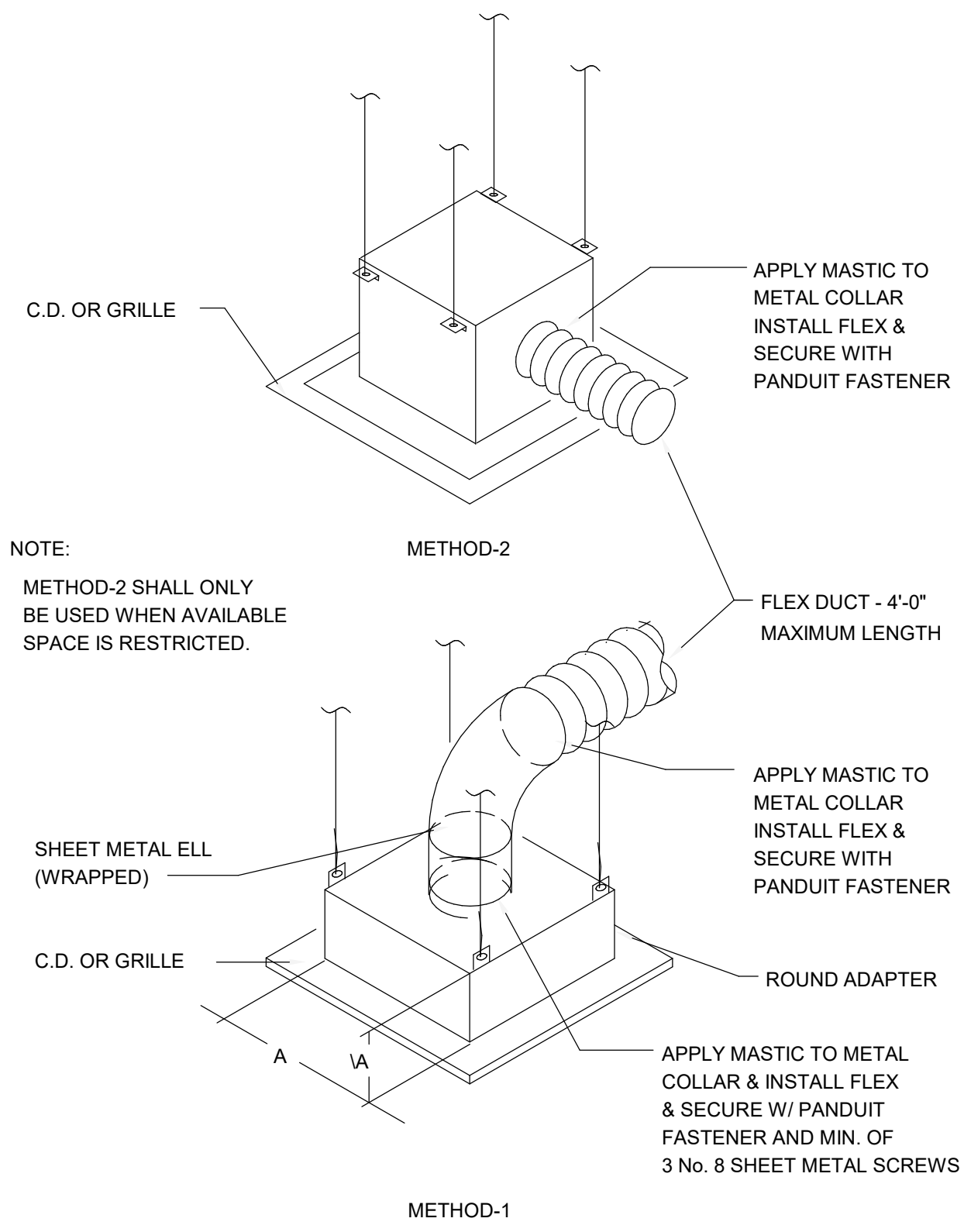
2900 N Truckee Lane
 Sparks, NV 89434

No.	Description	Date

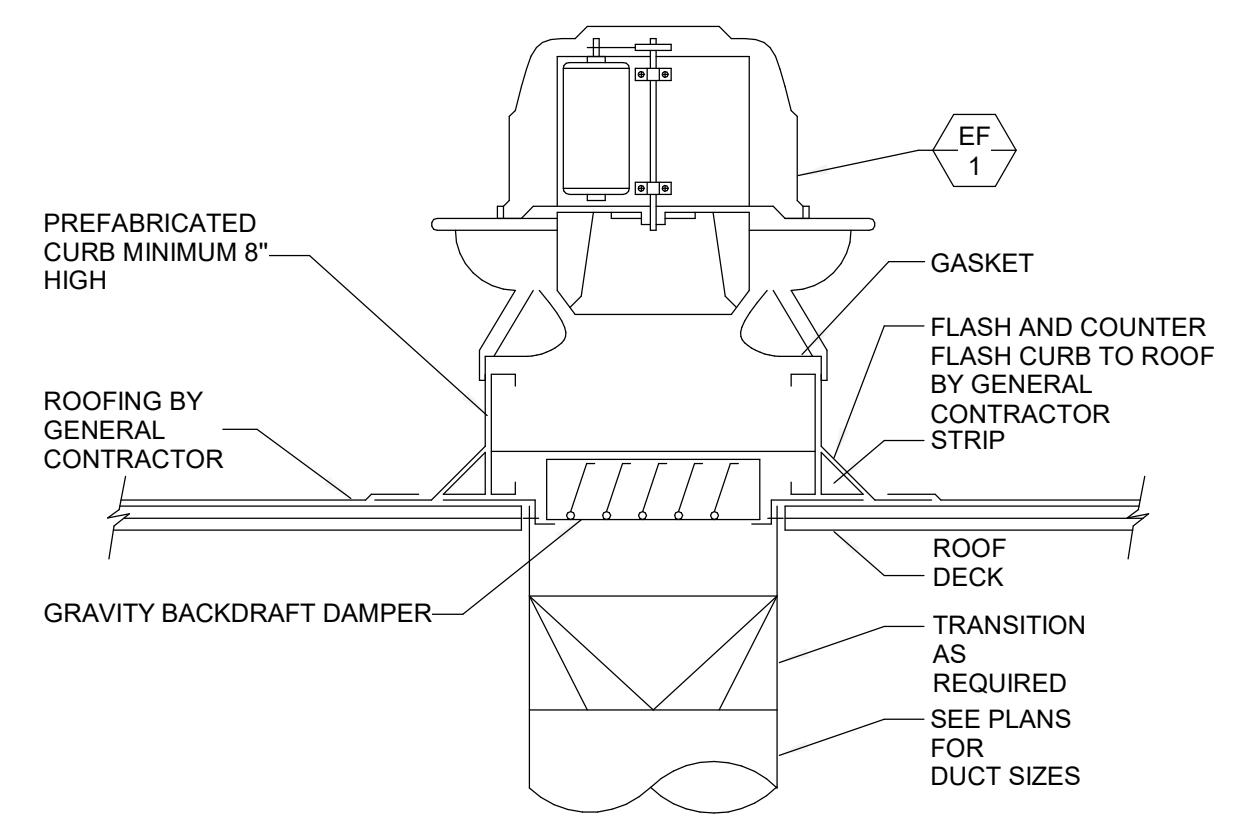
1 MECHANICAL CEILING PLAN
 SCALE: 1/4" = 1'-0"



06/17/2021



1 LAY IN CEILING DIFFUSER DETAIL
 SCALE: N.T.S.



2 ROOF EXHUAST FAN DETAIL
 SCALE: N.T.S.

**MECHANICAL
 DETAILS
 m600**

**SPARKS FIRE STATION 2
 DORMITORY REMODEL**
 City of Sparks

2900 N Truckee Lane
 Sparks, NV 89434

No.	Description	Date

PLUMBING SYMBOL LIST

(NOTE: ALL OF THE SYMBOLS INDICATED BELOW MAY NOT APPEAR ON THIS PROJECT)

— S or W	SOIL OR WASTE PIPING (BELOW GRADE / FLOOR)		TH.	THERMOMETER
— S or W	SOIL OR WASTE PIPING (ABOVE GRADE / FLOOR)		V.B.	VACUUM BREAKER
— V	SOIL OR WASTE VENT PIPING		C.O.	CLEANOUT PLUG
— RDL	STORM OR ROOF DRAIN PIPING (BELOW GRADE / FLOOR)		F.C.O.	FLOOR CLEANOUT
— RDL	STORM OR ROOF DRAIN PIPING (ABOVE GRADE / FLOOR)		G.C.O.	GRADE CLEANOUT
— ODL	OVERFLOW ROOF DRAIN PIPING (BELOW GRADE / FLOOR)		W.C.O.	WALL CLEANOUT
— ODL	OVERFLOW ROOF DRAIN PIPING (ABOVE GRADE / FLOOR)		P.D.	PIPING TEE DOWN
— D	DRAIN PIPING		P.U.	PIPING TEE UP
— IW	INDIRECT WASTE PIPING		P.U.	PIPING ELBOW UP
— C	CONDENSATE DRAIN PIPING		P.D.	PIPING ELBOW DOWN
— CW	COLD WATER PIPING			BRANCH - TOP CONNECTION
— HW	HOT WATER PIPING (105° - 125° F)			BRANCH - BOTTOM CONNECTION
— HWR	HOT WATER RECIRCULATION PIPING (SPECIFY TEMP)			BRANCH - SIDE CONNECTION
— T	TEMPERED WATER (120° F)		P.T.	PLUGGED TEE
— TR	TEMPERED WATER RETURN PIPING		C.O.P.	CAP ON END OF PIPE
— TP	TRAP PRIMER WATER PIPING			OR
— LPG	LIQUID PROPANE GAS (7" W.C.)		P	POWER POINT CONNECTION FOR HOT WATER MAINT. SYSTEM
— G	GAS - LOW PRESSURE (LESS THAN 2 PSI)		F.L.S.	FLOOR SINK
— MG	GAS - MEDIUM PRESSURE (2-3 PSI)		F.D.	FLOOR DRAIN
— HG	GAS - HIGH PRESSURE (5 PSI AND ABOVE)			PLUMBING FIXTURE SCHEDULE - (SEE SCHEDULE)
— A	COMPRESSED AIR PIPING			KITCHEN EQUIPMENT CONNECTION SCHEDULE - (SEE SCHEDULE)
— FOS	FUEL OIL SUPPLY PIPING		V.T.R.	PLUMBING VENT THRU ROOF
— FOR	FUEL OIL RETURN PIPING		A.P.	ACCESS PANEL
	G.V.	GATE VALVE	AFF	ABOVE FINISHED FLOOR
	GLV	GLOBE VALVE	AFG	ABOVE FINISHED GRADE
	BLV	BALL VALVE	BTUH	BRITISH THERMAL UNITS PER HOUR
	ANV	ANGLE VALVE	CD	CONDENSATE DRAIN PIPING
	B.F.V.	BUTTERFLY VALVE	CFH	CUBIC FEET PER HOUR
	C.H.V.	CHECK VALVE	DN	DOWN
	G.C.	GAS COCK, GAS STOP	(E)	EXISTING
	B.V.	BALANCING VALVE	GA	GAUGE
	H.B.	HOSE BIBB	GAL	GALLON
	H.V.	3/4" HOSE END DRAIN VALVE	GPH	GALLONS PER HOUR
	S.O.V.	SHUT-OFF VALVE IN RISER	GPM	GALLONS PER MINUTE
	BP	DOUBLE CHECK BACKFLOW PREVENTION ASSEMBLY	HD	HEAD
	R.P.B.P.	REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY	HR	HOUR
	G.P.R.	GAS PRESSURE REDUCING VALVE	MAX	MAXIMUM
	S.T.R.	STRAINER	MBH	BRITISH THERMAL UNITS PER HOUR (THOUSANDS)
	S.T.R.V.	STRAINER WITH 3/4" HOSE END DRAIN VALVE	MIN	MINIMUM
	P.T.R.	PRESSURE - TEMPERATURE RELIEF VALVE	(N)	NEW
	RV	PRESSURE RELIEF VALVE	NOM	NOMINAL
	U	UNION	PD	PRESSURE DROP
	F	FLANGE	T.J.	THROUGH JOISTS
	FL	FLEXIBLE PIPING CONNECTOR (U.L. LABELED FOR GAS PIPING)	TYP	TYPICAL
	RED.	REDUCER	U.F.	UNDER FLOOR
	W.H.A.	WATER HAMMER ARRESTOR	WC	WATER COLUMN
	P.R.G.	PRESSURE GAUGE WITH GAUGE COCK		

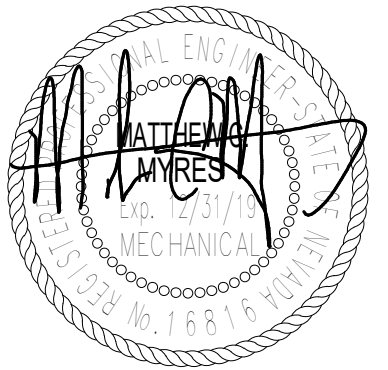
PLUMBING PROJECT NOTES

- CONTRACTOR SHALL REFER TO THE ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATIONS OF ROUGH-IN FOR ALL UNITS AS SHOWN ON THE ENLARGED PLUMBING PLANS.
- ALL PLUMBING SYSTEMS AND COMPONENTS SHALL BE INSTALLED PER 2012 U.P.C.
- THE UNIT WATER PLANS HAVE BEEN SIZED ACCORDING TO THE LONGEST DEVELOPED LENGTH FOR THE UNIT TYPE. SOME UNITS HAVE LESS TOTAL DEVELOPED LENGTH OF WATER PIPING. THE CONTRACTOR SHALL IDENTIFY THESE UNITS AND MAY ADJUST THE WATER PIPE SIZES IN ACCORDANCE WITH 2012 U.P.C. TABLE 610.4 USING THE OVER 60 PSI WATER PRESSURE RANGE.

PLUMBING FIXTURE SCHEDULE

SYM	DESCRIPTION	MANUFACTURER & MODEL NO.	TRIM	CONNECTIONS				REMARKS
				W	V	HW	CW	
L-1	LAVATORY UNDER COUNTER SINK	SEE ARCHITECTURAL DRAWINGS		2"	1 1/2"	3/4"	3/4"	
WC-1	WALL MOUNTED WATER CLOSET	SEE ARCHITECTURAL DRAWINGS		4"	2"	N/A	1 1/2"	
SH-1	SHOWER ONLY TRIM KIT	SEE ARCHITECTURAL DRAWINGS		2"	2"	N/A	1 1/2"	
SH-2	SHOWER ONLY TRIM KIT	SEE ARCHITECTURAL DRAWINGS		2"	2"	N/A	1 1/2"	
WHA-1	WATER HAMMER ARRESTER	WATTS SERIES LF15M2	LEAD FREE COMPLIANT FOR USE IN PORTABLE WATER SYSTEMS. MAXIMUM ALLOWABLE PRESSURE OF 150 PSI AND A TEMPERATURE RANGE OF 33°F-180°F. CAPABLE OF BEING INSTALLED IN CONCEALED LOCATIONS, AND INSTALLED AS CLOSE TO INDICATED FIXTURE AS POSSIBLE.	N/A	N/A	N/A	1/2" - 1"	INSTALL ON ALL FIXTURES WITH QUICK CLOSING VALVES SUCH AS URINALS, WATER CLOSETS.
TP-1	TRAP PRIMER ASSEMBLY	PPP MODEL NO. PR-500	AUTOMATICALLY ACTIVATED WHEN SENSING 10 PSI DROP. PRIMES UP TO TWO P TRAPS. OPERATING RANGE BETWEEN 20 AND 80 PSI	N/A	N/A	N/A	1/2"	INSTALL PER MANUFACTURERS INSTRUCTIONS
ET-1	EXPANSION TANK	WESSELS MODEL NO. TTA-5	3.5 GALLON BLADDER TYPE EXPANSION TANK WITH CARBON STEEL SHELL AND HEADS. MAXIMUM DESIGN PRESSURE OF 150 PSIG AND -20°F TO 240°F TEMPERATURE RANGE. TANK SHALL BE EQUIPPED WITH A NPT STAINLESS STEEL SYSTEM CONNECTION AND A .302"-32 CHARGING VALVE CONNECTION.	N/A	N/A	N/A	3/4"	INSTALL PER MANUFACTURERS INSTRUCTIONS
FD-1	FLOOR DRAIN	ZURN MODEL No. FD-2200-PV2	5"Ø CAST IRON GRATE WITH 2" PIPE CONNECTION.	2"	N/A	N/A	N/A	INSTALL PER MANUFACTURERS INSTRUCTIONS
BT-1	BUFFER TANK	AMTROL MODEL No. HWBT300-4/4	CLOSED LOOP HEATING SYSTEM. WATER TEMPERATURE NOT TO EXCEED 450°F, SYSTEM PRESSURE NOT TO EXCEED MAX PRESSURE OF TANK	N/A	N/A	3/4"	3/4"	INSTALL PER MANUFACTURERS INSTRUCTIONS

Kimley»Horn
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06/17/2021

**PLUMBING
 SYMBOLS,
 SCHEDULES, AND
 LEGEND**

p001

**SPARKS FIRE STATION 2
 DORMITORY REMODEL**
 City of Sparks

**2900 N Truckee Lane
 Sparks, NV 89434**

No.	Description	Date

BID SET 06/17/2021

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PLUMBING SPECIFICATIONS

A. GENERAL

1. PROVIDE ALL NECESSARY LABOR, MATERIALS, EQUIPMENT, SERVICES AND INSURANCES TO COMPLETE THE PLUMBING WORK WITHIN THE FULL INTENT OF THE DRAWINGS AND SPECIFICATIONS CONTAINED HEREON AND TO THE ENTIRE SATISFACTION OF THE ARCHITECT/ENGINEER.
2. PROVIDE ALL PERMITS AND FEES AS REQUIRED FOR THE PLUMBING WORK.
3. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE PROJECT BEFORE BIDDING.
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC), 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2018 INTERNATIONAL FIRE CODE (IFC), 2018 UNIFORM MECHANICAL CODE (UMC), 2018 UNIFORM PLUMBING CODE (UPC), 2017 NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS, AND ALL OTHER APPLICABLE CODES, RULES, AND LOCAL REQUIREMENTS.
5. GUARANTEE ALL WORK AND MATERIALS FOR A PERIOD OF ONE YEAR.
6. ALL DIMENSIONS AND MEASUREMENTS SHALL BE VERIFIED AT THE JOBSITE BEFORE FABRICATION AND/OR INSTALLATION OF THE FIXTURES.
7. DRAWINGS ARE DIAGRAMMATIC TO SHOW BASIC SIZING. COORDINATE THE RUNNING OF ALL MAINS WITH THE ENGINEER. ANY MAJOR REROUTING SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR APPROVAL.

B. SUBMITTALS

1. ELECTRONIC SUBMITTALS IN ADOBE PDF FORMAT, IN LIEU OF PAPER COPIES, WILL ONLY BE ACCEPTED.
2. SUBSTITUTED ITEMS SHALL BE SUBMITTED WITH MANUFACTURER'S DESCRIPTIVE DATA AND MUST SHOW EQUALITY TO EQUIPMENT SPECIFIED. INFORMATION ON SUBSTITUTED ITEMS MUST BE COMPLETE, INCLUDING, BUT NOT LIMITED TO: DESIGN, CONSTRUCTION MATERIALS, CONSTRUCTION QUALITY, AND SOUND LEVELS. ENGINEER WILL NOT RESEARCH INFORMATION REQUIRED TO COMPARE EQUIPMENT. ENGINEER RESERVES THE RIGHT TO REQUIRE SPECIFIED EQUIPMENT.
3. UPON COMPLETION OF THE PROJECT, AND PRIOR TO FINAL ACCEPTANCE PAYMENT, SUBMIT ONE (1) SET OF AS-BUILT DRAWINGS AND THREE SETS OF OPERATING AND MAINTENANCE INSTRUCTIONS (BOUND IN 3-RING BINDERS).

C. WORKMANSHIP

1. ALL WORK TO BE PERFORMED BY QUALIFIED PERSONNEL NORMALLY ENGAGED IN THE RESPECTIVE LINE OF WORK.
2. PERFORM ALL WORK IN A MANNER NOT TO DISTURB THE NORMAL OPERATION OF THE BUILDING.
3. COORDINATE ALL WORK WITH THE OWNER'S REPRESENTATIVE.
4. COORDINATE ALL WORK WITH THE OTHER TRADES.
5. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL WORK ACCEPTABLE TO THE OWNER'S REPRESENTATIVE.

D. PRODUCT HANDLING

1. USE ALL MEANS NECESSARY TO PROTECT ALL MATERIALS AND FIXTURES BEFORE, DURING, AND AFTER INSTALLATION AND TO PROTECT THE MATERIALS AND WORK OF THE OTHER TRADES.
2. IN THE EVENT OF DAMAGE, IMMEDIATELY MAKE ALL REPAIRS AND REPLACEMENTS NECESSARY TO THE APPROVAL OF THE ENGINEER AND AT NO ADDITIONAL COST TO THE OWNER.

E. CUTTING, PATCHING, AND PAINTING

1. ALL CUTTING AND PATCHING TO BE PERFORMED BY THE GENERAL CONTRACTOR.
2. CUTTING OF ALL OPENINGS SHALL BE COORDINATED WITH THE OWNER'S ENGINEERING REPRESENTATIVE.
3. WATER WILL NOT BE USED FOR CONCRETE CUTTING WITHOUT THE DIRECT SUPERVISION OF THE OWNER'S ENGINEERING REPRESENTATIVE.

F. PIPING

1. WASTE AND VENT PIPING BELOW GRADE WITHIN 5 FEET OF BUILDING SHALL BE SCHEDULE 40 ABS DWV PIPE AND FITTINGS CONFORMING TO ASTM D2661 OR D2751 WITH SOLVENT WELD JOINTS MEETING ASTM D2855 USING ASTM D2564 SOLVENT CEMENT. PIPE SHALL BE BEDDED IN 12" OF SAND.
2. WASTE AND VENT PIPING ABOVE GRADE SHALL BE SCHEDULE 40 ABS DWV PIPE AND FITTINGS CONFORMING TO ASTM D2661 OR D2751 WITH SOLVENT WELD JOINTS MEETING ASTM D2235.
3. GRADE WASTE PIPING 1/4" PER FOOT (2%) OR AS APPROVED BY THE LOCAL CODE AUTHORITY.
4. PROVIDE 10'-0" MINIMUM CLEARANCE BETWEEN PLUMBING VENTS AND ANY OUTSIDE AIR INTAKES.
5. WATER PIPING BELOW GRADE WITHIN 5 FEET OF BUILDING SHALL BE COPPER TUBING, ASTM B42, HARD DRAWN WITH ANSIAWWA C105 POLYETHYLENE JACKET OR DOUBLE LAYER, HALF-LAPPED 10 MIL POLYETHYLENE TAPE WITH WROUGHT COPPER FITTINGS AND SILVER BRAZED JOINTS.
6. WATER PIPING ABOVE GRADE SHALL BE ASTM B88, TYPE "L", HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS. USE 95/5 TIN-ANTIMONY LEAD FREE SOLDER ON PIPING UNDER 2" AND SILVER BRAZED JOINTS ON PIPING 2" AND OVER.

G. HANGERS & SUPPORTS

1. PROVIDE SPLIT RING HANGERS FOR ALL PIPING. HANGER SPACING SHALL BE PER UPC TABLE 3-2 AND SHALL BE LOCATED AT ALL CHANGES IN DIRECTION.
2. SUPPORT ALL PIPING IN WALLS WITH HOLD-RITE PIPE SUPPORT SYSTEM OR EQUAL.
3. PIPING AT FLUSH VALVES SHALL BE HELD SECURELY IN PLACE TO PREVENT ANY MOVEMENT.

H. VALVES & SPECIALTIES

1. BALL VALVES (UP TO 2"); BRONZE BODY, STAINLESS STEEL BALL, TEFLON SEATS, FULL PORT, THREADED ENDS, LEVER HANDLE. VALVE TO BE "LEAD-FREE" COMPLIANT PER THE REDUCTION OF LEAD IN DRINKING WATER ACT.

I. ISOLATION

1. ISOLATE ALL DISSIMILAR METALS WITH ISOLATORS EQUALING OR EXCEEDING THE QUALITY OF "EPCO" DIELECTRIC UNIONS.
2. ISOLATE ALL COPPER PIPING FROM DISSIMILAR SUPPORTS.
3. ISOLATE ALL PIPING THROUGH CONCRETE WITH 1/2" THICK CLOSED CELL FOAM.
4. ISOLATE ALL PIPING AT STUDS WITH POLYETHYLENE PIPE INSULATORS.

J. INSULATION

1. ACCEPTABLE MANUFACTURERS: CERTANTEED, KNAUF, JOHNS MANVILLE, AND OWENS CORNING.
2. COLD WATER PIPING ABOVE CEILING SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS PIPE INSULATION WITH VAPOR BARRIER AND PRE-MOLDED PVC FITTING COVERS. DO NOT INSULATE VALVES, UNIONS, ETC.
3. HOT WATER AND HOT WATER RETURN PIPING SHALL BE INSULATED WITH FIBERGLASS PIPE INSULATION WITH VAPOR BARRIER AND PRE-MOLDED FITTING COVERS. 1/2" THICK ON PIPES SIZES UP TO 1". 1" THICK ON PIPE SIZES 1 1/2" AND OVER. DO NOT INSULATE VALVES, UNIONS, ETC.
4. HOT WATER AND HOT WATER RETURN PIPING BELOW FLOOR SLAB IN BUILDING SHALL BE INSULATED WITH 1" THICK CLOSED CELL FOAM. INSULATION TO BE SLIPPED OVER PIPE. DO NOT CUT LENGTHWISE.

K. SEISMIC RESTRAINTS

1. ALL EQUIPMENT, PIPING, AND CONDUIT SHALL BE SEISMICALLY RESTRAINED PER THE 2018 IBC.

L. OTHER MATERIAL

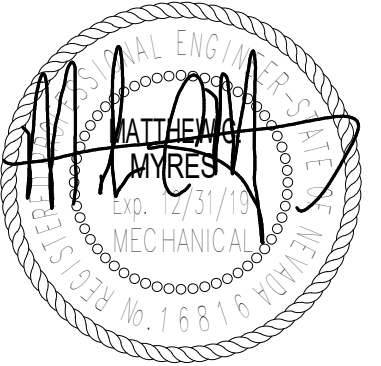
1. ALL OTHER MATERIAL, NOT SPECIFICALLY DESCRIBED BUT REQUIRED FOR A COMPLETE JOB, SHALL BE NEW AND FIRST QUALITY, FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR.

M. TESTING & CHLORINATION

1. ALL PIPING SHALL BE TESTED IN THE PRESENCE OF AN INSPECTOR BEFORE WORK IS CONCEALED. NOTIFY THREE DAYS PRIOR TO TESTS.
2. FLUSH ALL PIPING TO REMOVE ANY FOREIGN MATERIAL.
3. CHLORINATE ALL NEW WATER PIPING PRIOR TO USE FOR 24-HOUR PERIOD WITH A MINIMUM OF 50 PARTS PER MILLION OR AS REQUIRED TO ACHIEVE A CHLORINE RESIDUAL OF 10 MILLIGRAMS PER LITER AT COMPLETION OF A 24-HOUR PERIOD. ALL PROCEDURES SHALL BE IN ACCORDANCE WITH AWWA STANDARD C651 AND THE STATE HEALTH DEPARTMENT.
4. TEST PIPING AT COMPLETION OF ROUGHING-IN, IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

WASTE AND VENT	10' HIGH WATER COLUMN FOR 15 MINUTES WITH NO DROP IN WATER LEVEL
WATER	120 PSI W/WATER FOR 4 HOURS WITH NO DROP IN PSI

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06/17/2021

PLUMBING SPECIFICATIONS p002

SPARKS FIRE STATION 2 DORMITORY REMODEL

City of Sparks

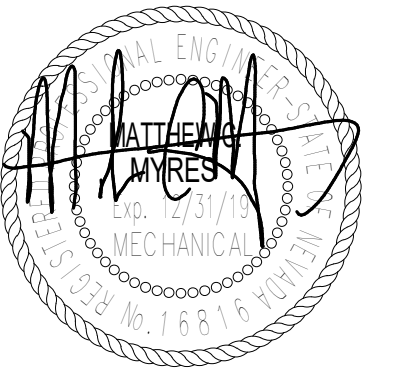
2900 N Truckee Lane
 Sparks, NV 89434

No.	Description	Date

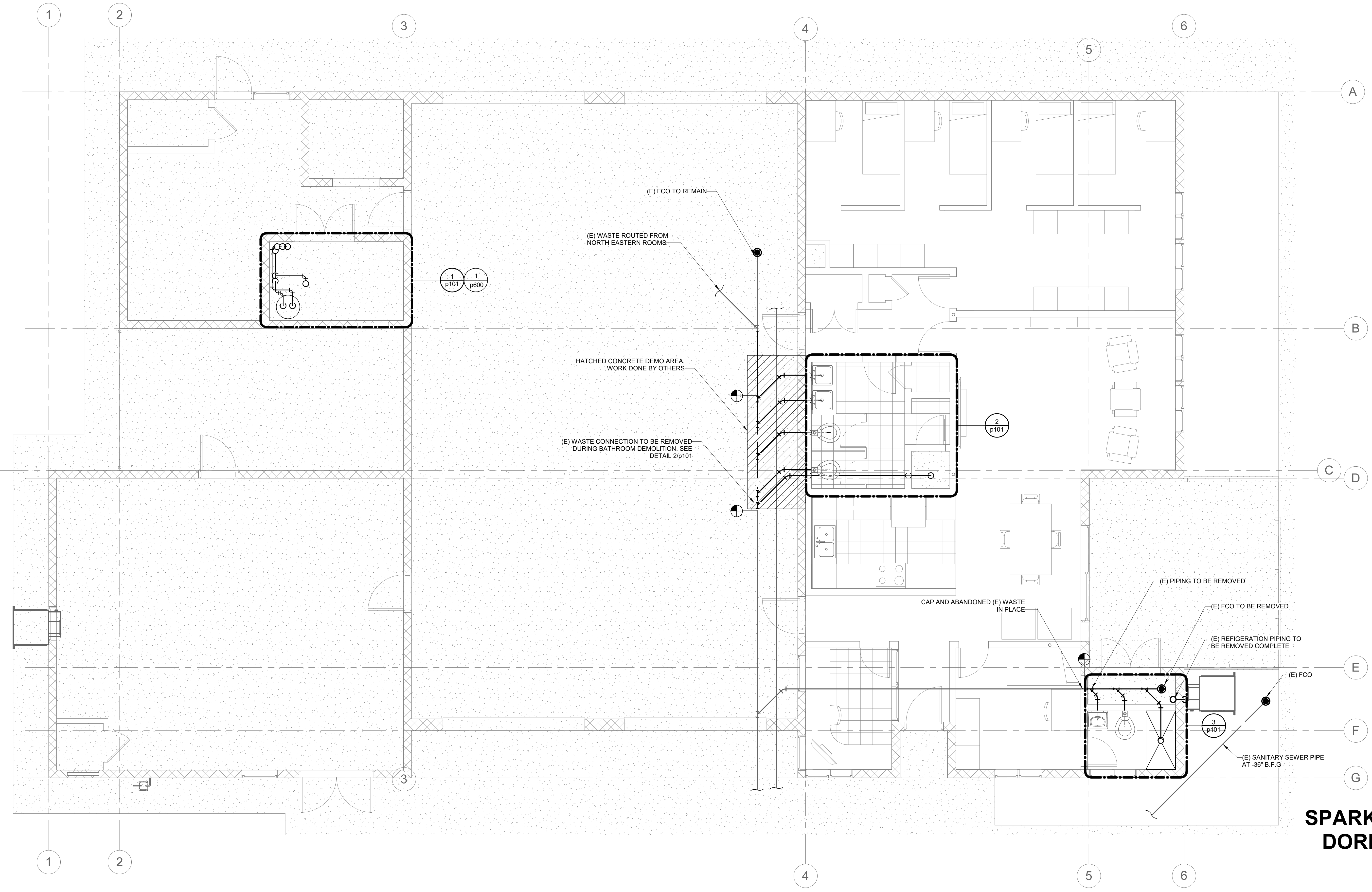
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06/17/2021



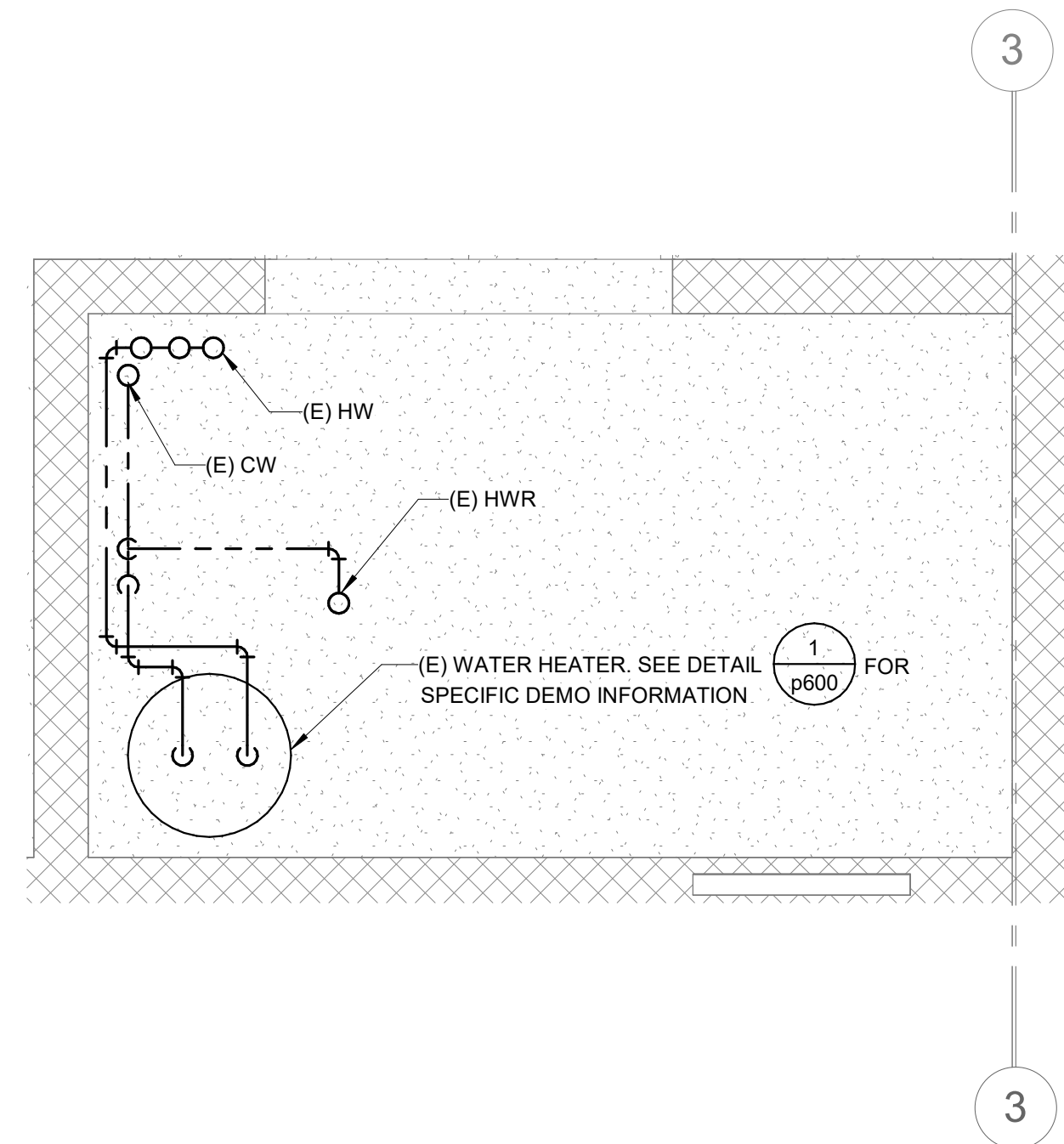
**PLUMBING OVERALL
 DEMO PLAN
 p100**

**SPARKS FIRE STATION 2
 DORMITORY REMODEL**
 City of Sparks

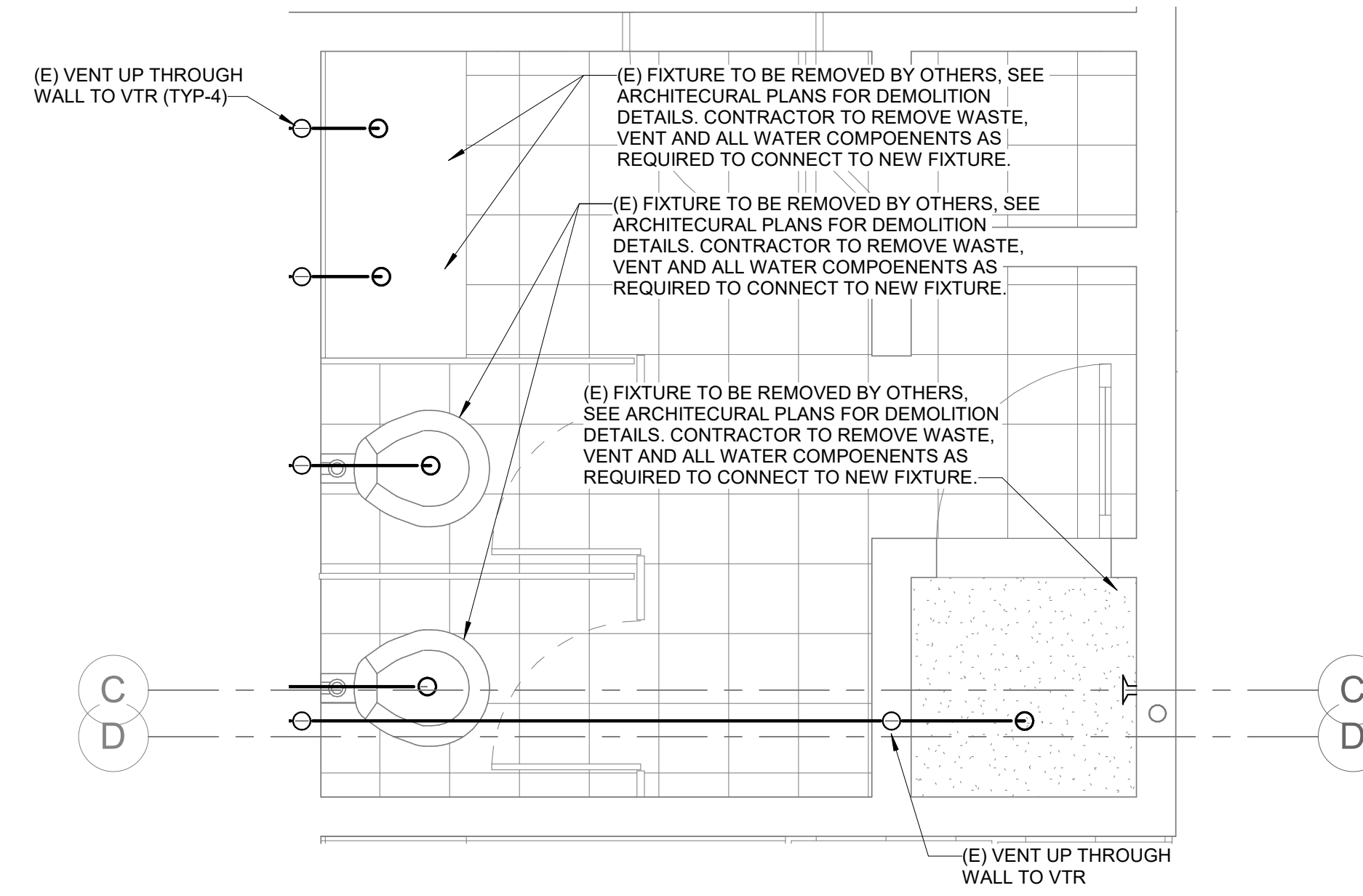
2900 N Truckee Lane
 Sparks, NV 89434

1 PLUMBING OVERALL DEMO PLAN
 SCALE: 1/4" = 1'-0"

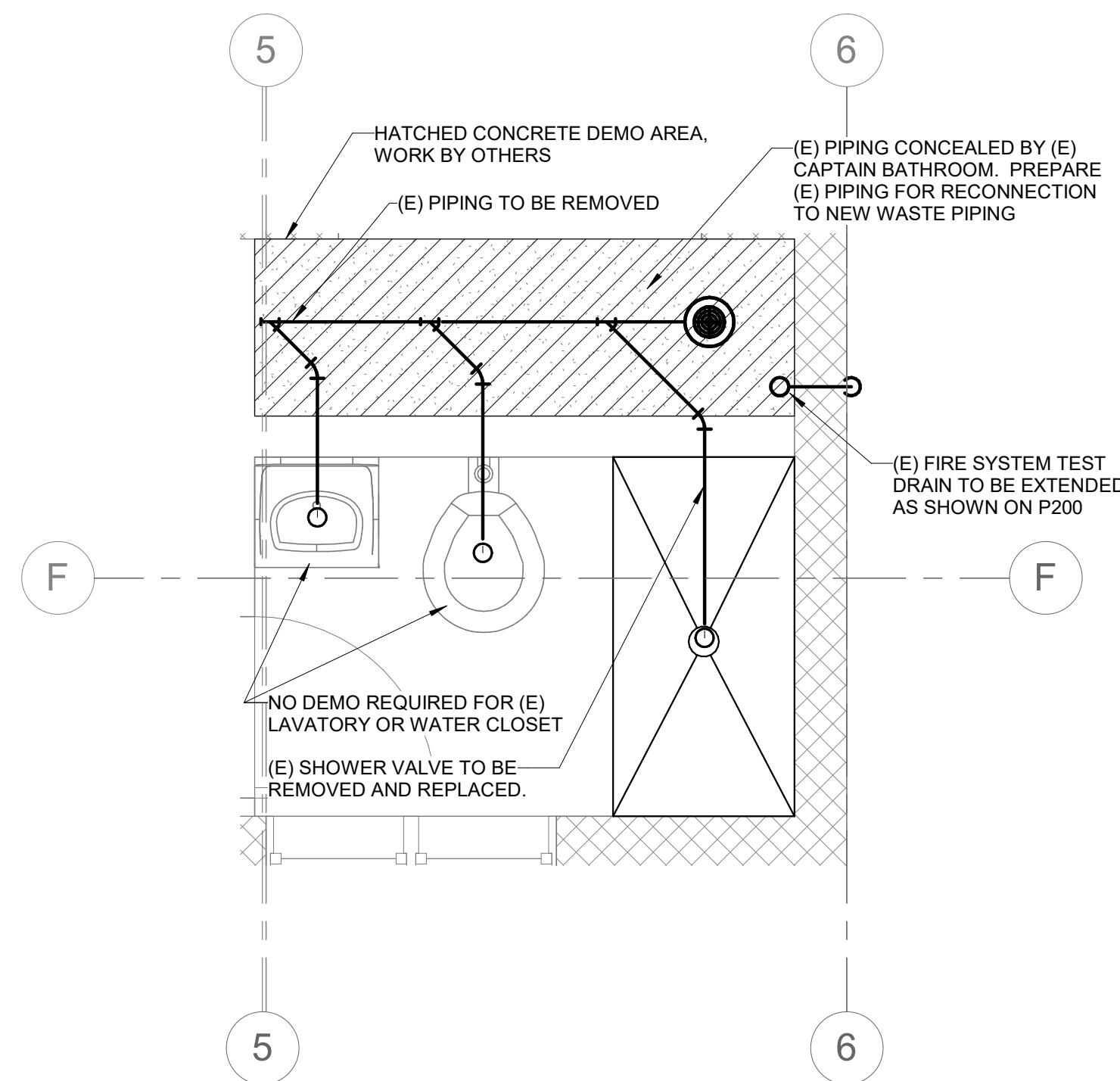
No.	Description	Date



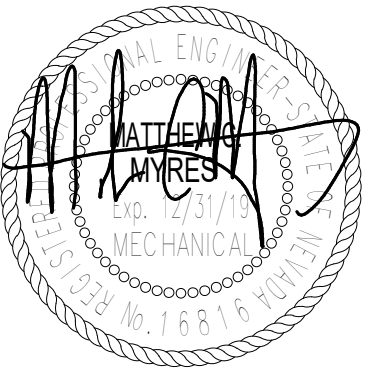
1 PLUMBING ENLARGED DEMO PLAN - WATER HEATER ROOM
SCALE: 1/2" = 1'-0"



2 PLUMBING ENLARGED DEMO PLAN - BATHROOM
SCALE: 1/2" = 1'-0"



3 PLUMBING ENLARGED DEMO PLAN - CAPTAIN'S BATHROOM
SCALE: 1/2" = 1'-0"



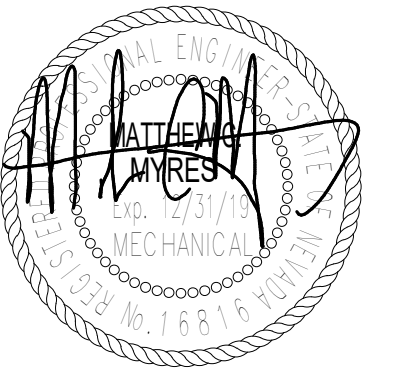
06/17/2021

**PLUMBING
ENLARGED DEMO
PLANS
p101**

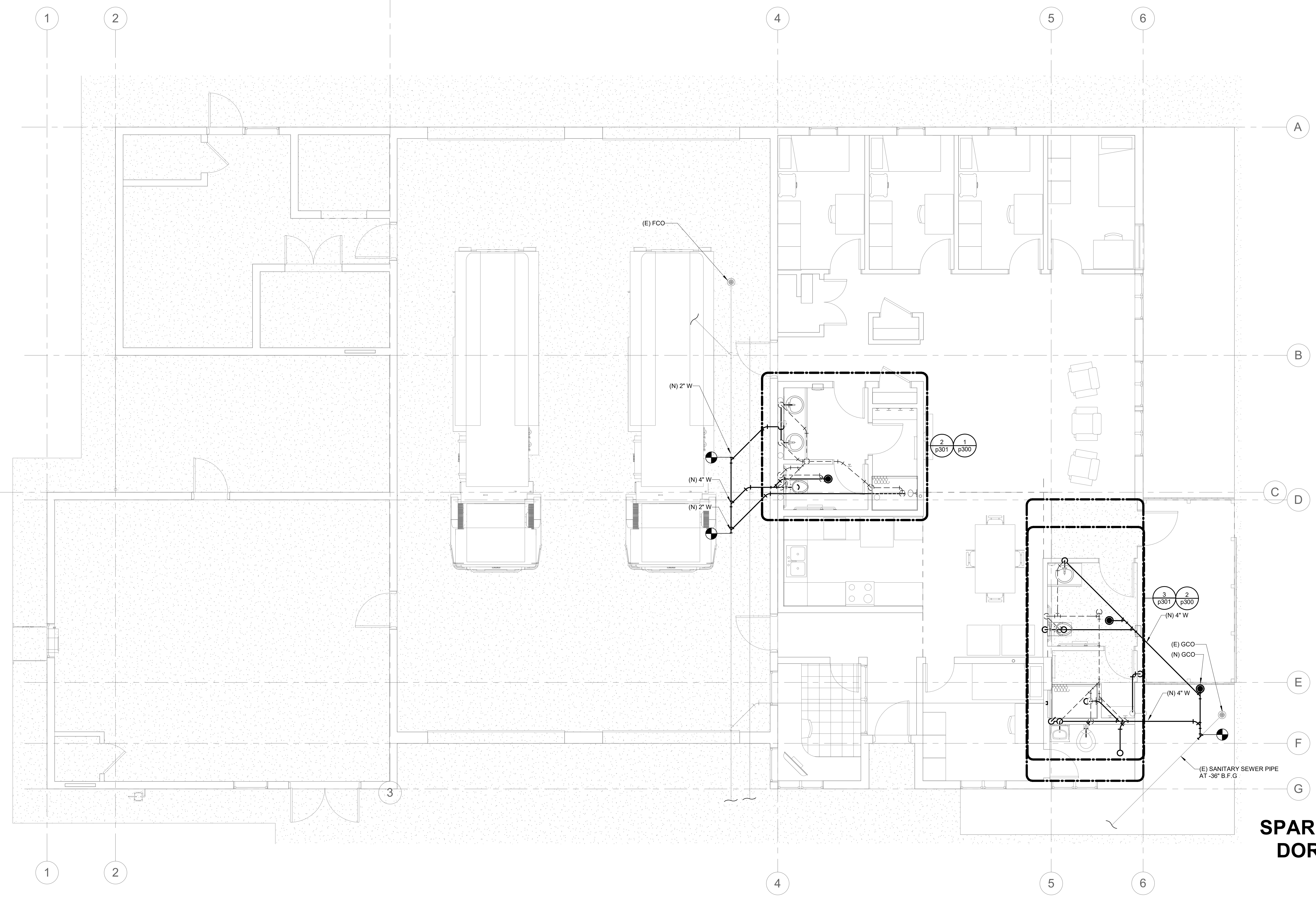
**SPARKS FIRE STATION 2
DORMITORY REMODEL**
City of Sparks

2900 N Truckee Lane
Sparks, NV 89434

No.	Description	Date



06/17/2021



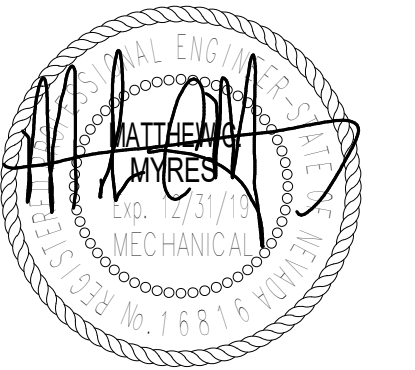
**PLUMBING OVERALL
 FLOOR PLAN -
 WASTE AND VENT
 p200**

**SPARKS FIRE STATION 2
 DORMITORY REMODEL**
 City of Sparks

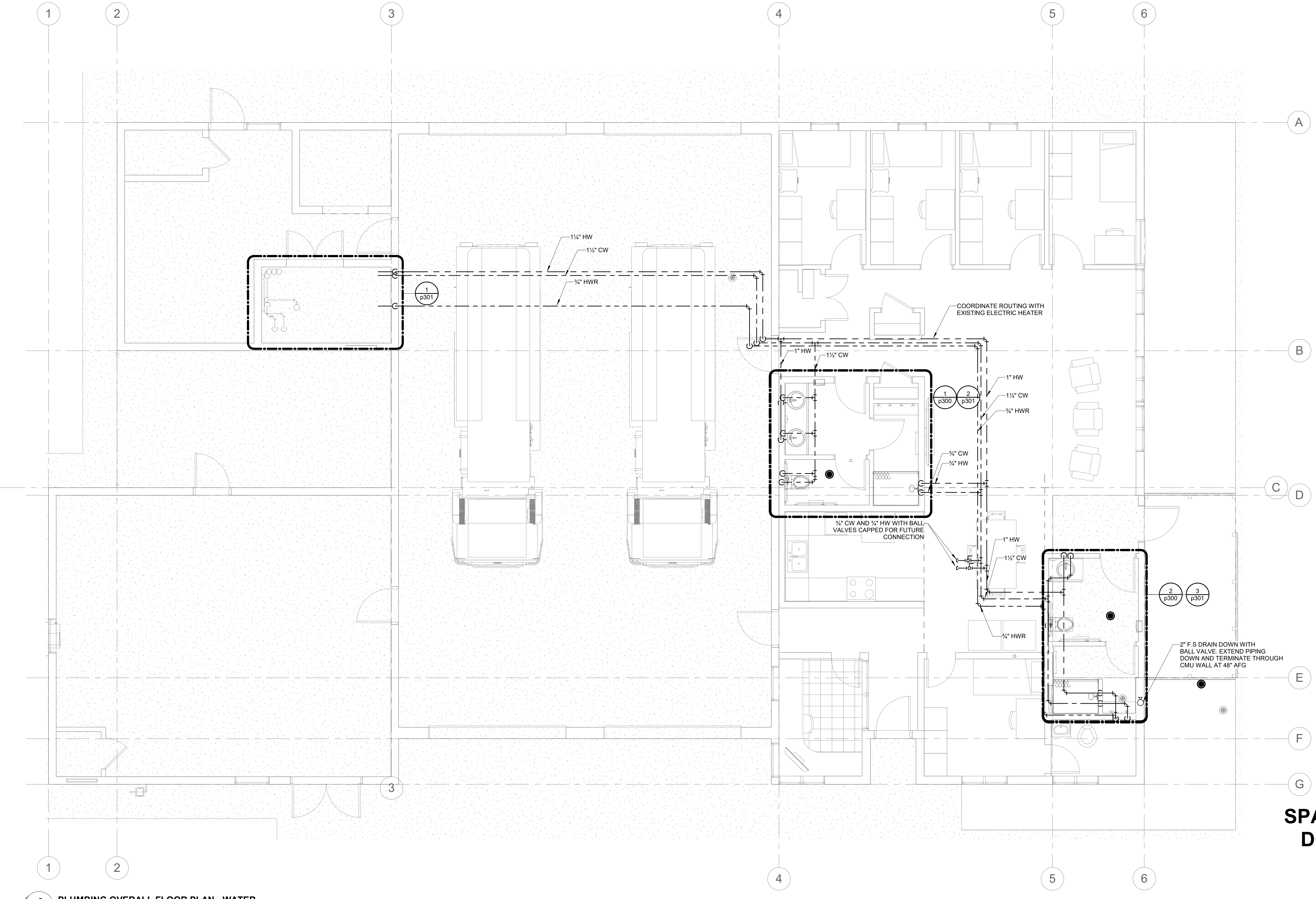
2900 N Truckee Lane
 Sparks, NV 89434

No.	Description	Date

1 PLUMBING OVERALL FLOOR PLAN - WASTE AND VENT
 SCALE: 1/4" = 1'-0"



06/17/2021



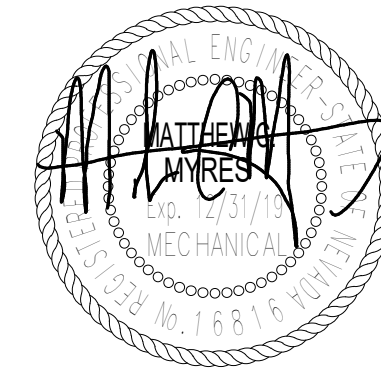
**PLUMBING OVERALL
 FLOOR PLAN -
 WATER
 p201**

**SPARKS FIRE STATION 2
 DORMITORY REMODEL**
 City of Sparks

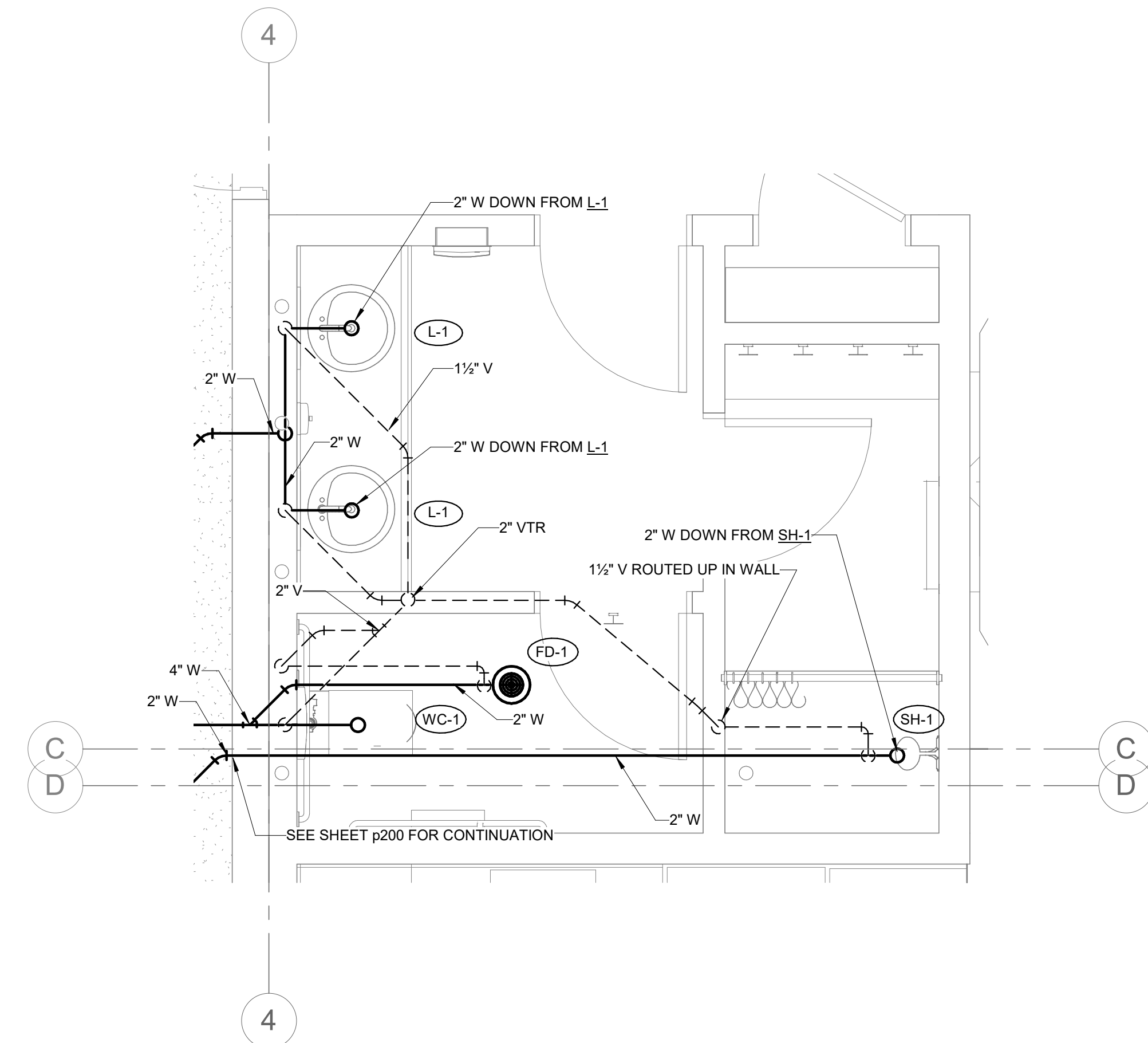
2900 N Truckee Lane
 Sparks, NV 89434

No.	Description	Date

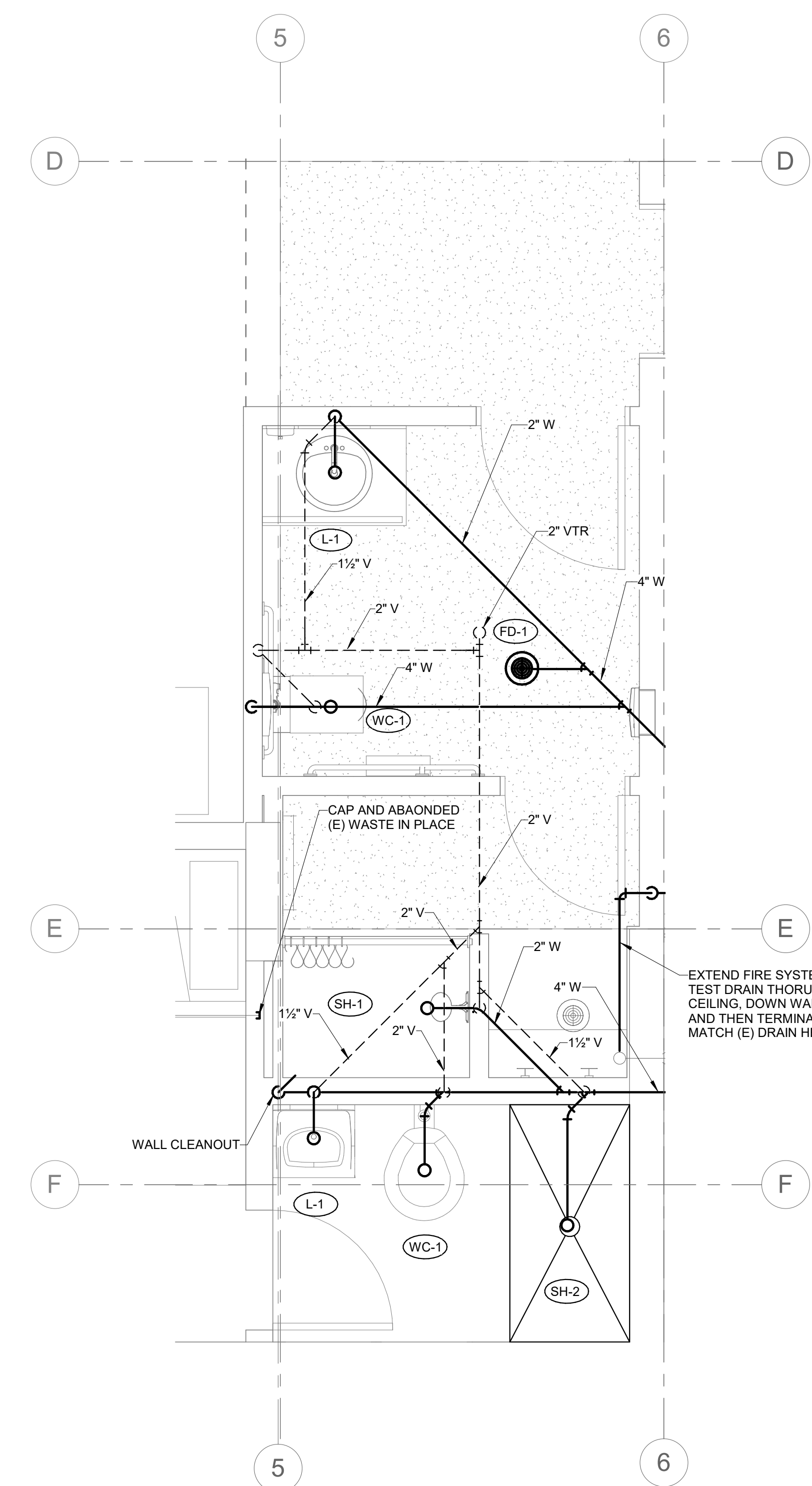
1 PLUMBING OVERALL FLOOR PLAN - WATER
 SCALE: 1/4" = 1'-0"



06/17/2021



1 PLUMBING ENLARGED FLOOR PLAN - BATHROOM WASTE AND VENT
 SCALE: 1/2" = 1'-0"

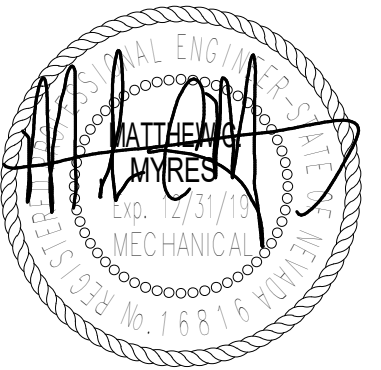


2 PLUMBING ENLARGED FLOOR PLAN - BATHROOM ADDITION WASTE AND VENT
 SCALE: 1/2" = 1'-0"

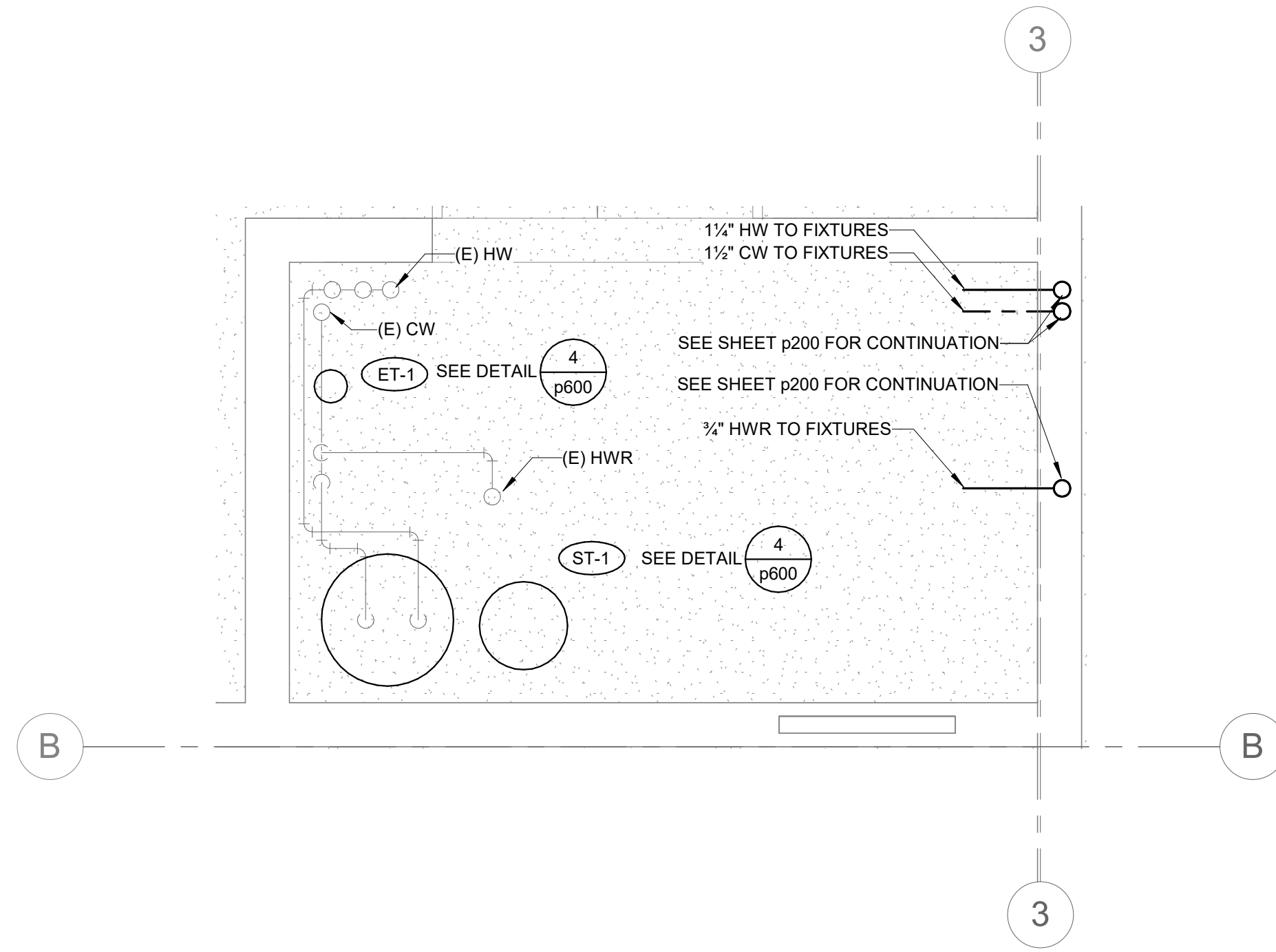
PLUMBING ENLARGED FLOOR PLAN - WASTE AND VENT
p300

SPARKS FIRE STATION 2 DORMITORY REMODEL
City of Sparks
 2900 N Truckee Lane
 Sparks, NV 89434

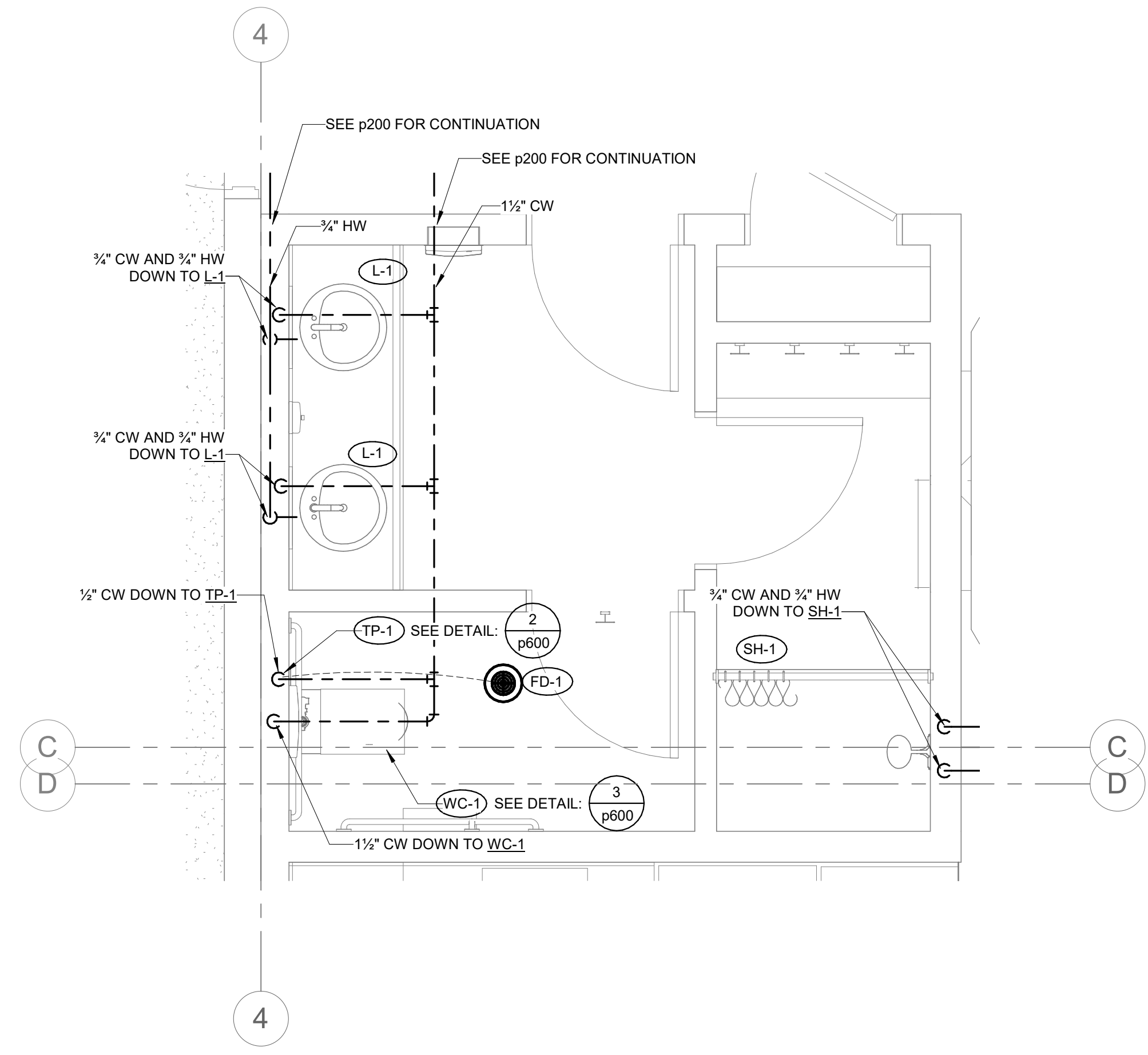
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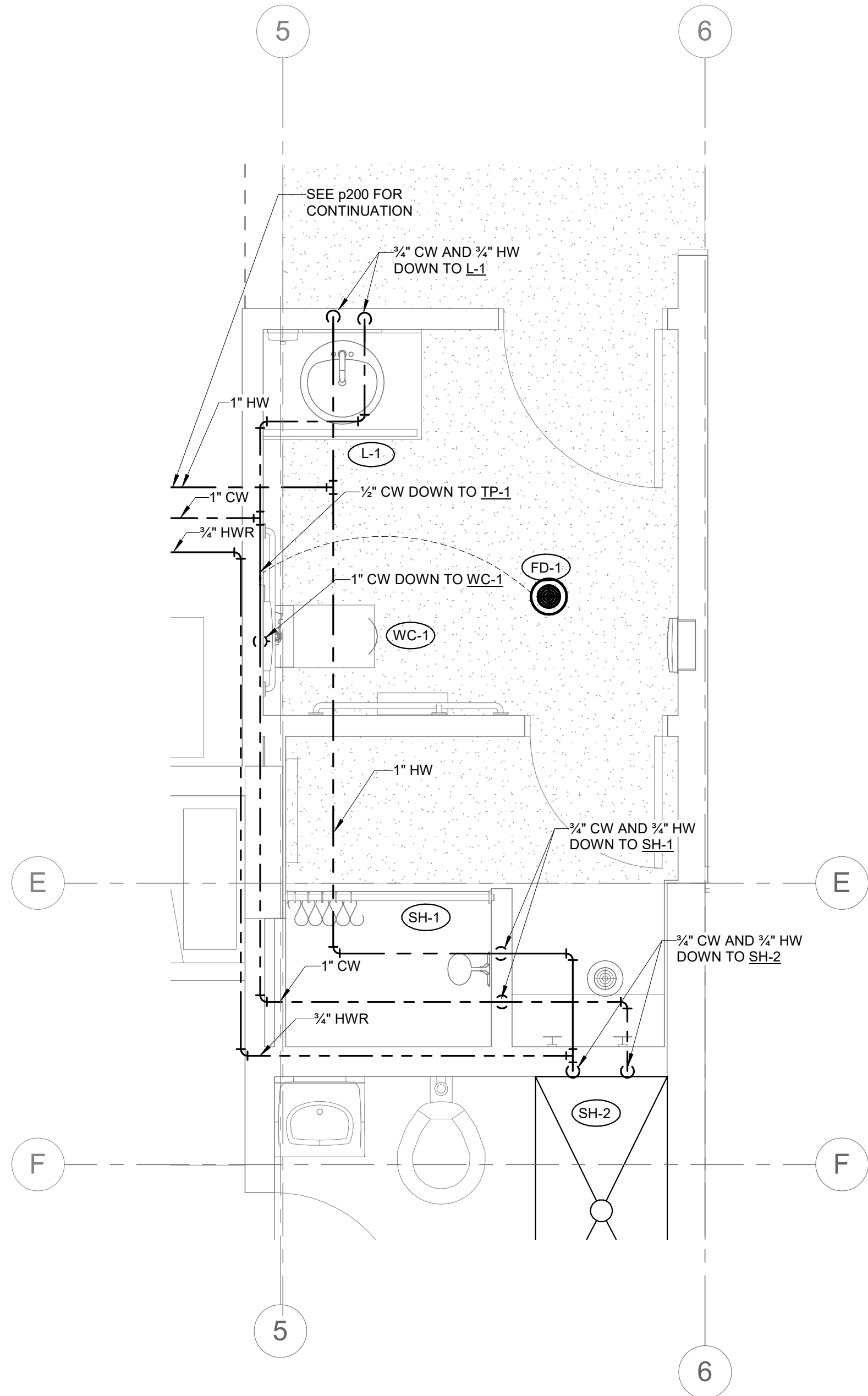
06/17/2021



1 PLUMBING ENLARGED FLOOR PLAN - WATER HEATER ROOM
 SCALE: 1/2" = 1'-0"



2 PLUMBING ENLARGED FLOOR PLAN - BATHROOM
 SCALE: 1/2" = 1'-0"



3 PLUMBING ENLARGED FLOOR PLAN - BATHROOM ADDITION
 SCALE: 1/2" = 1'-0"

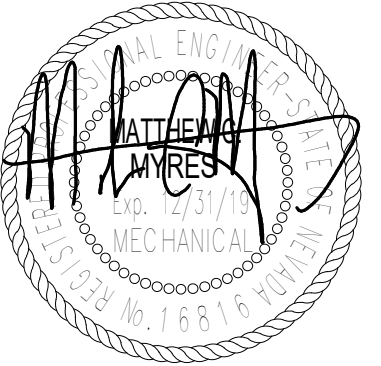
PLUMBING ENLARGED FLOOR PLANS - WATER AND GAS
p301

SPARKS FIRE STATION 2 DORMITORY REMODEL
 City of Sparks

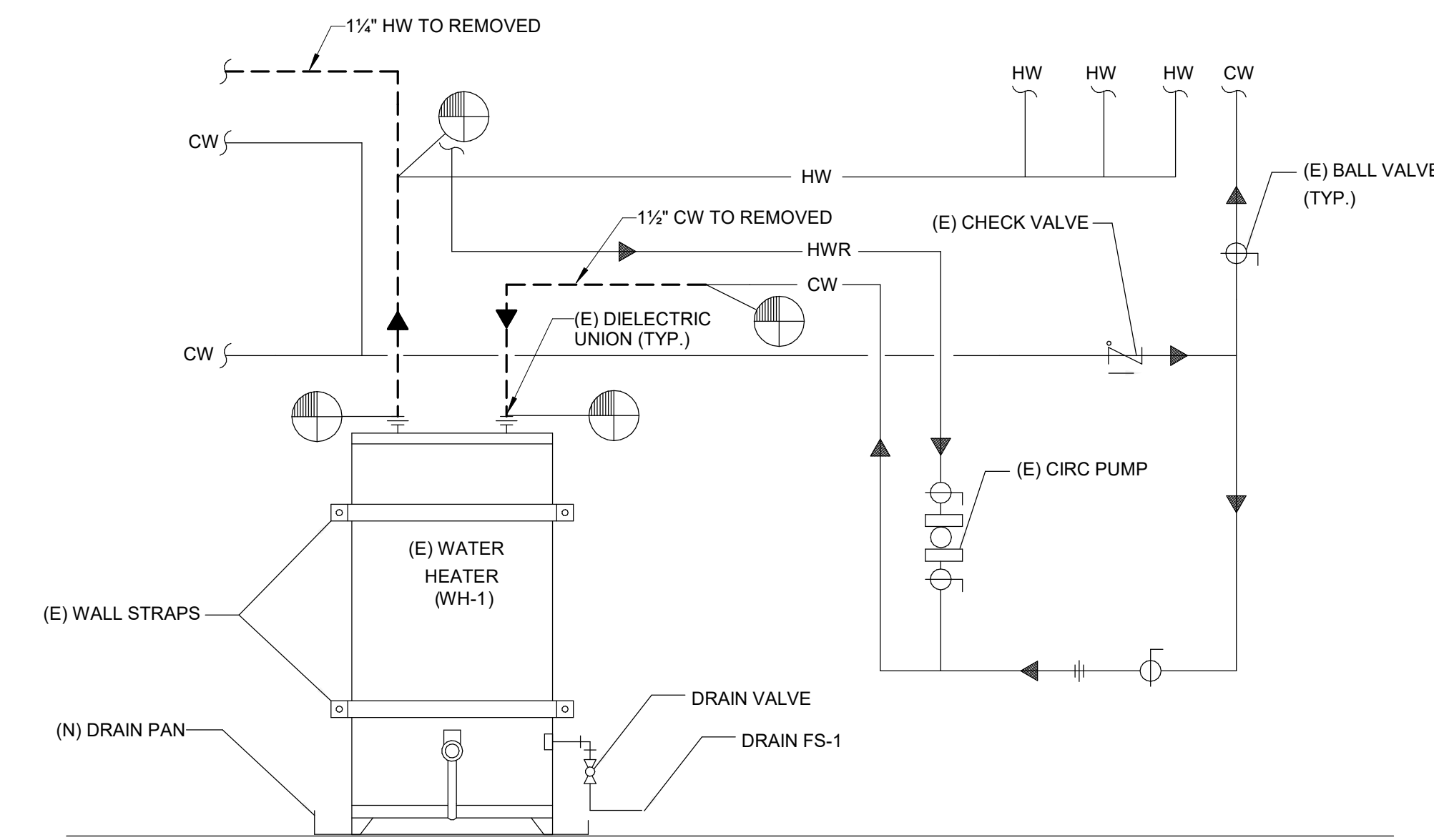
2900 N Truckee Lane
 Sparks, NV 89434

No.	Description	Date

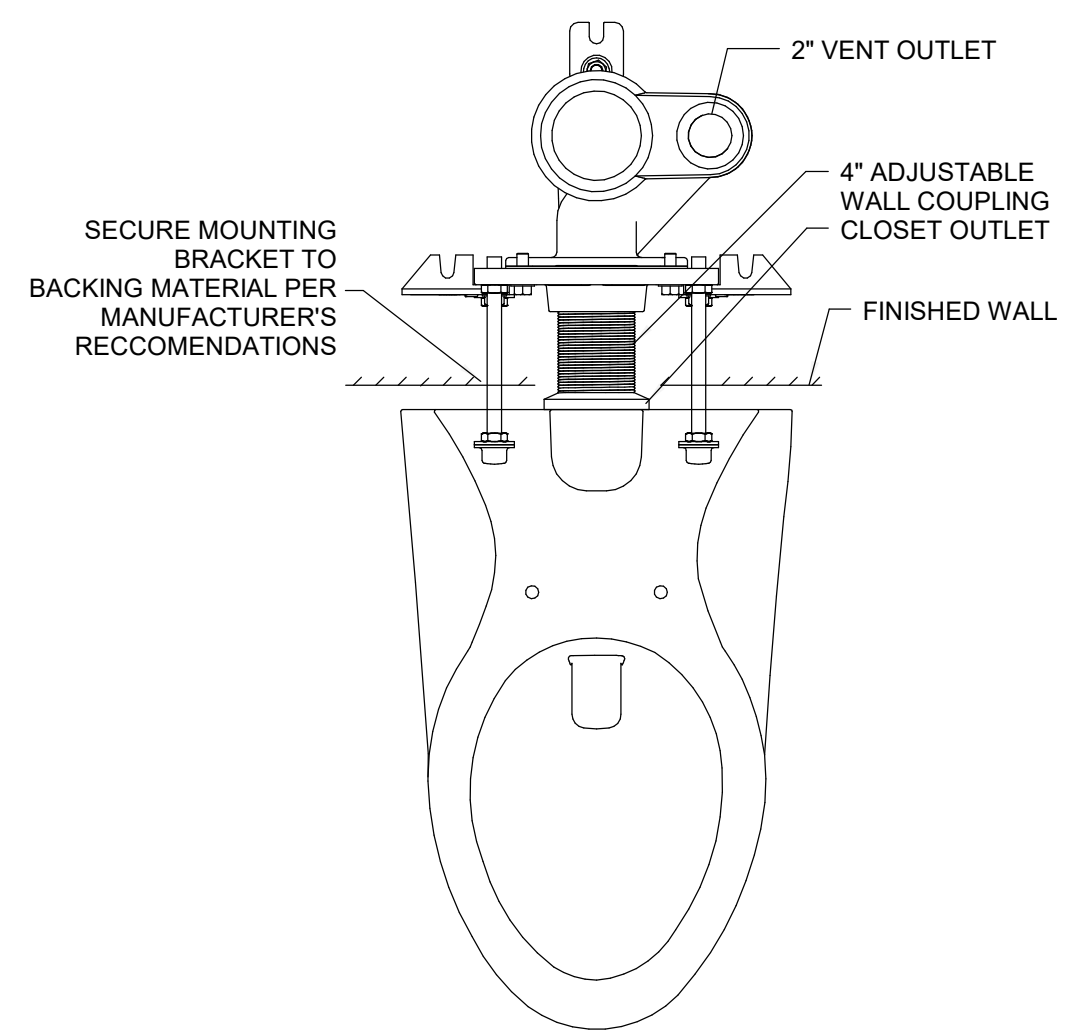
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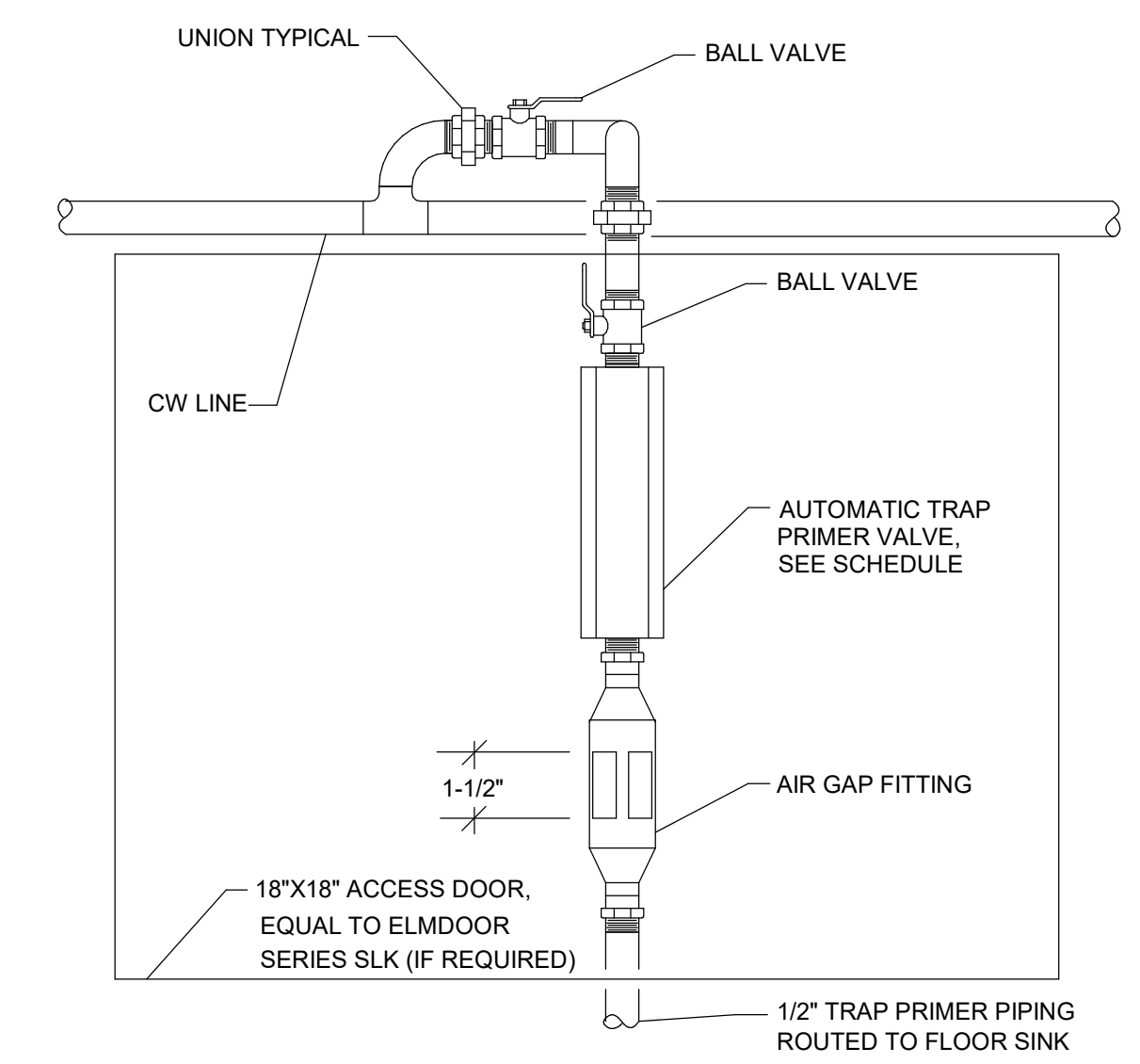
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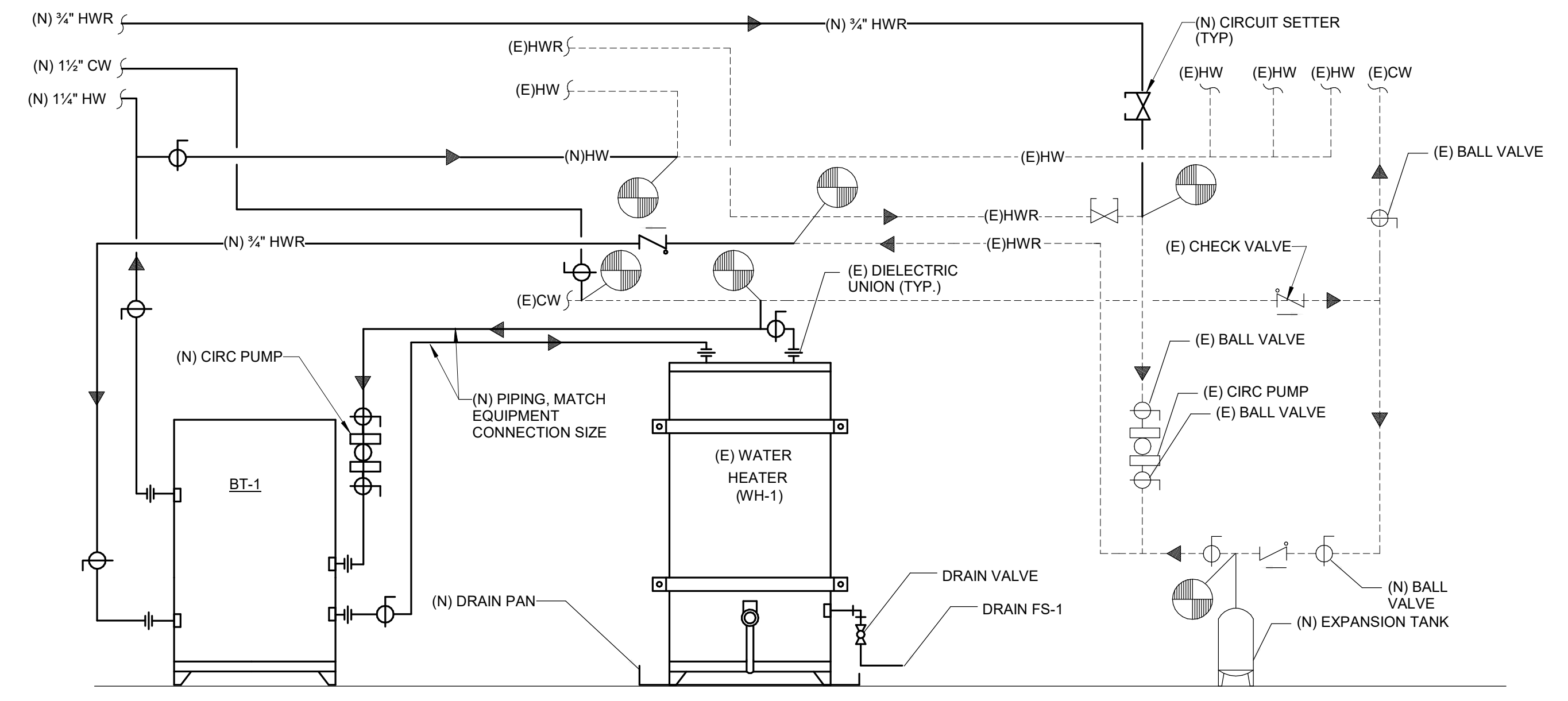
1 WATER HEATER DEMO DETAIL
 SCALE: N.T.S.



2 WATER CLOSET MOUNTING DETAIL
 SCALE: N.T.S.



3 TRAP PRIMER DETAIL
 SCALE: N.T.S.

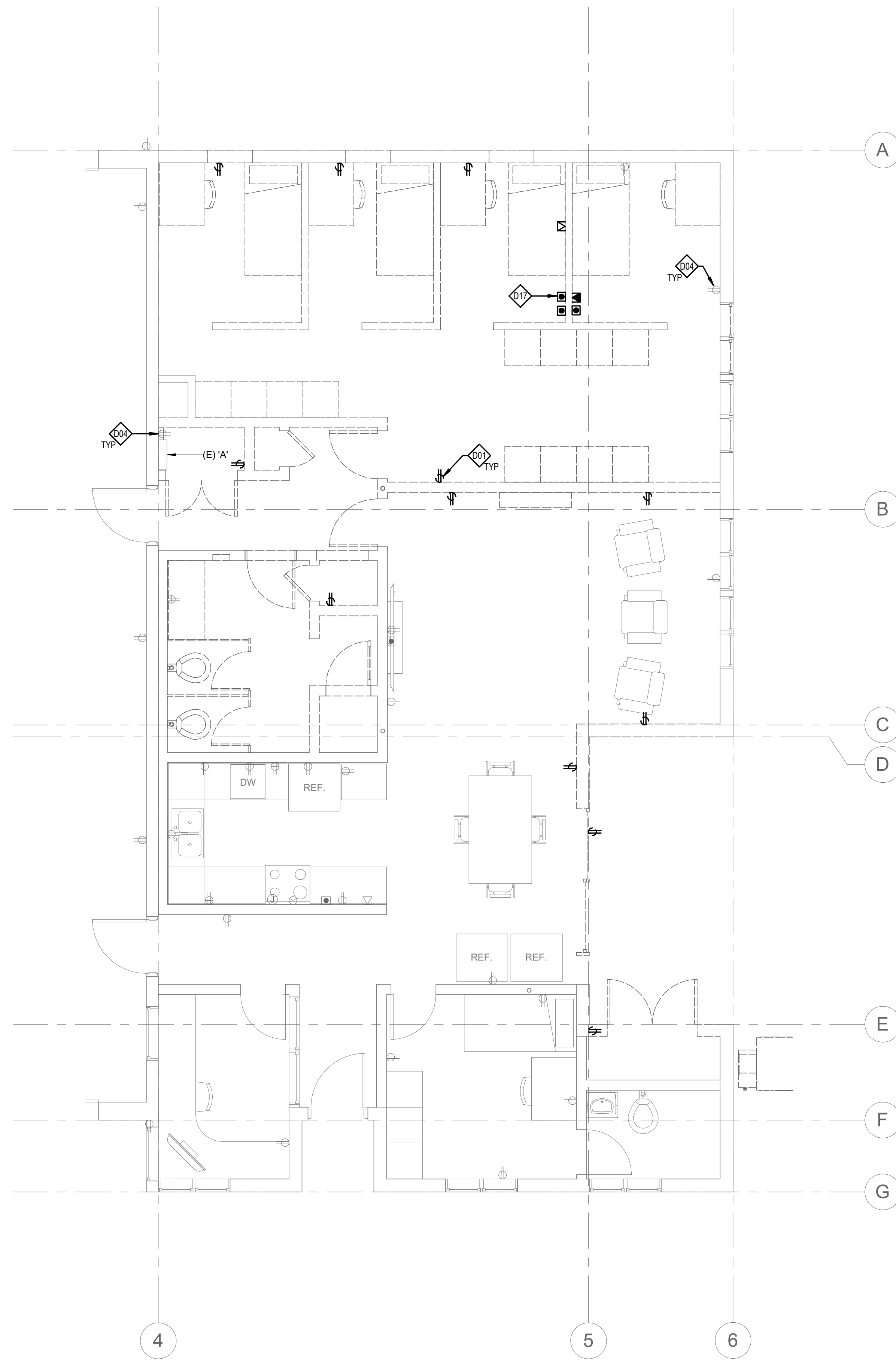


4 WATER HEATER PIPING MODIFICATION DETAIL
 SCALE: N.T.S.

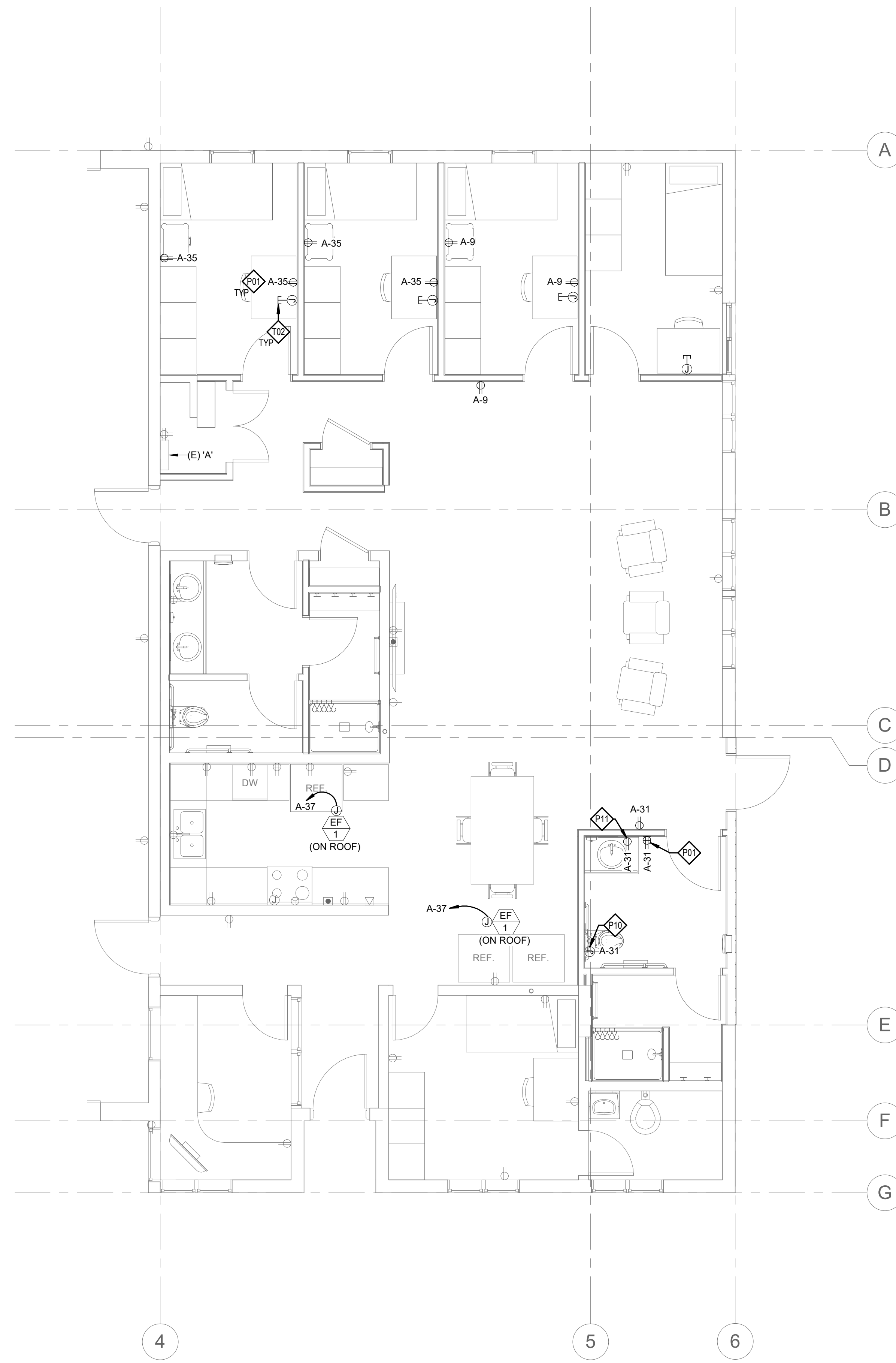
PLUMBING DETAILS
p600

**SPARKS FIRE STATION 2
 DORMITORY REMODEL**
 City of Sparks
 2900 N Truckee Lane
 Sparks, NV 89434

No.	Description	Date



2 POWER PLAN - LEVEL 1 DEMO
SCALE: 1/4" = 1'-0"

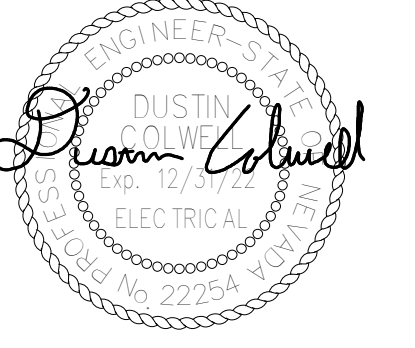


1 POWER PLAN - LEVEL 1
SCALE: 1/4" = 1'-0"

SHEET KEYNOTES

- D01 EXISTING WIRING DEVICE TO BE REMOVED. DISCONNECT FROM EXISTING CIRCUIT AND REMOVE ASSOCIATED CONDUIT AND CONDUCTORS. MAINTAIN THE EXISTING CIRCUIT AS REQUIRED. FIELD VERIFY.
- D04 EXISTING WIRING DEVICE TO REMAIN. PROTECT IN PLACE.
- D17 EXISTING DATA AND CATV TO BE REMOVED AND IF POSSIBLE SALVAGE TO OWNER.
- P01 CONNECT TO EXISTING 120V CIRCUIT MADE AVAILABLE FROM DEMOLITION. PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. FIELD VERIFY.
- P10 PROVIDE JUNCTION BOX FOR FLUSH VALVE.
- P11 PROVIDE DUPLEX RECEPTACLE FOR AUTOMATIC FAUCET.
- T02 TELECOMMUNICATIONS DEVICE. PROVIDE SINGLE GANG JUNCTION BOX WITH MUD RING AT +18" AFF AND 1" C. EMT FROM BOX TO +6" ABOVE FINISHED CEILING. TELECOMMUNICATIONS EQUIPMENT CONNECTIONS BY OTHERS.

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06/17/2021

POWER PLANS
e101

SPARKS FIRE STATION 2
DORMITORY REMODEL
City of Sparks

2900 N Truckee Lane
Sparks, NV 89434

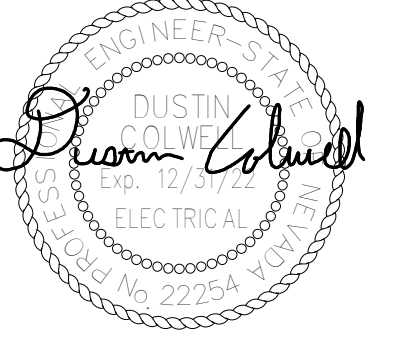
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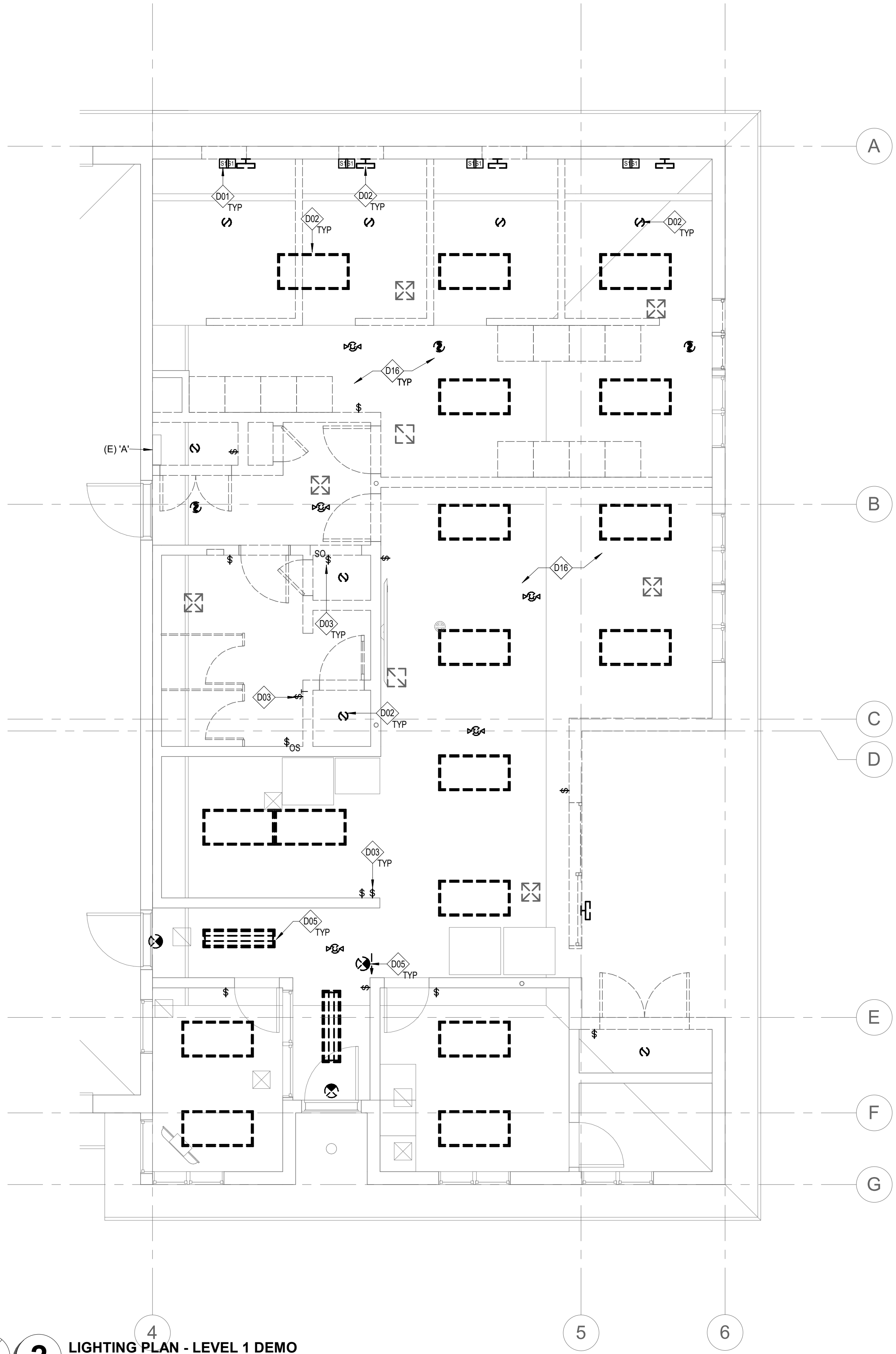
SHEET KEYNOTES

- D01 EXISTING WIRING DEVICE TO BE REMOVED. DISCONNECT FROM EXISTING CIRCUIT AND REMOVE ASSOCIATED CONDUIT AND CONDUCTORS. MAINTAIN THE EXISTING CIRCUIT AS REQUIRED. FIELD VERIFY.
- D02 EXISTING LIGHTING FIXTURE TO BE REMOVED.
- D03 EXISTING LIGHTING DEVICE TO BE REMOVED.
- D05 EXISTING LIGHTING FIXTURE TO REMAIN, PROTECT IN PLACE.
- D16 EXISTING FIRE ALARM DEMOLITION BY OTHERS.
- L01 CONNECT CIRCUIT TO EXISTING 120V SOURCE MADE AVAILABLE/SPARE FROM DEMOLITION. PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. FIELD VERIFY.
- L02 CONTRACTOR SHALL ENABLE ADH CAPABILITY FOR TYPE 'S1' SWITCH FOR THIS SPACE.

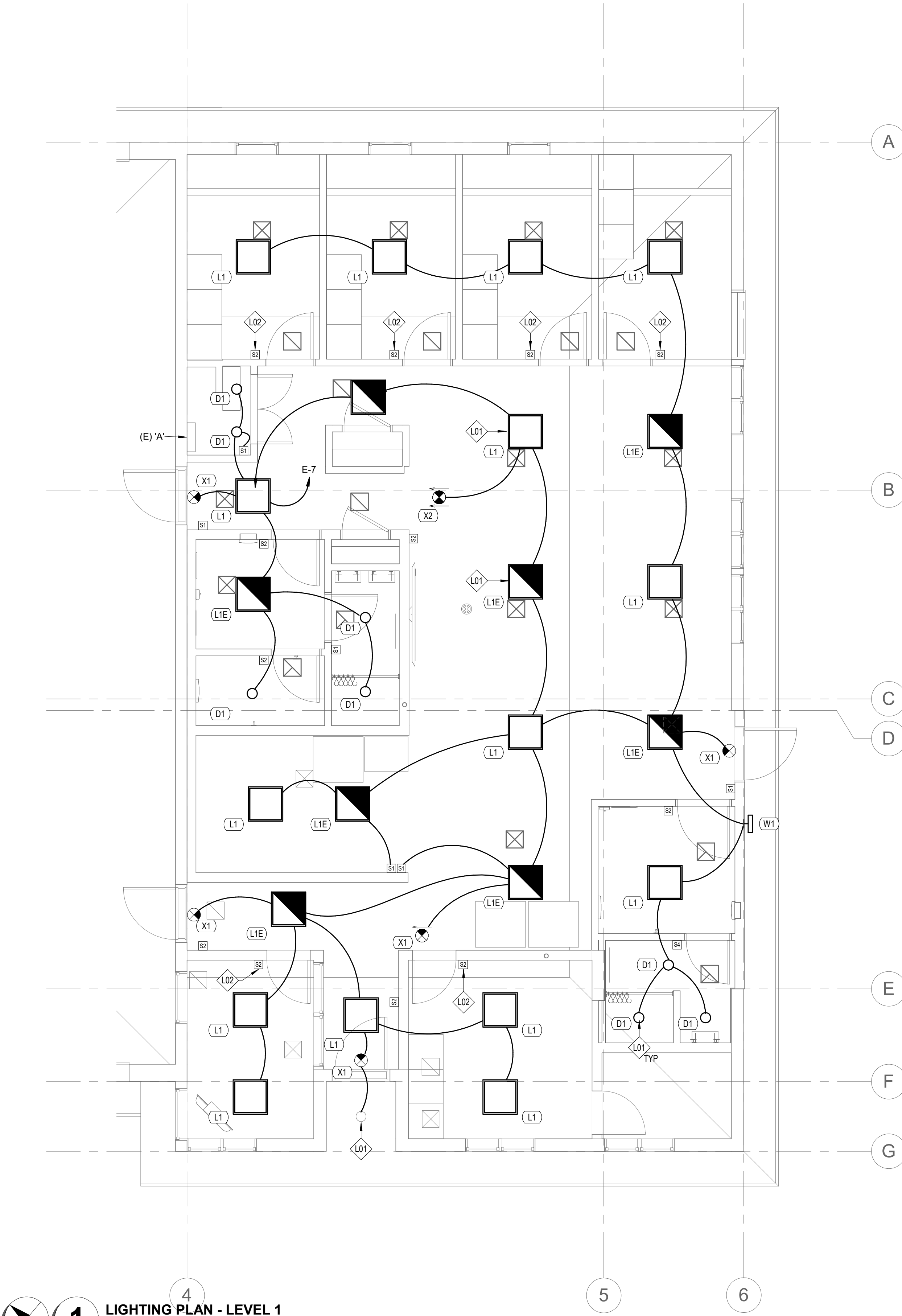
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2 LIGHTING PLAN - LEVEL 1 DEMO
 SCALE: 1/4" = 1'-0"



1 LIGHTING PLAN - LEVEL 1
 SCALE: 1/4" = 1'-0"

LIGHTING PLANS
e102

SPARKS FIRE STATION 2
DORMITORY REMODEL
 City of Sparks

2900 N Truckee Lane
 Sparks, NV 89434

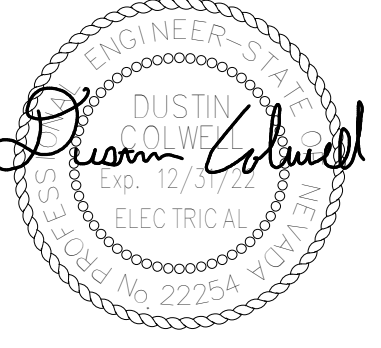
No.	Description	Date

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BUILDING LIGHTING FIXTURE SCHEDULE

FIXTURE ID	DESCRIPTION	SOURCE	VOLTAGE	LOAD	MOUNTING	MANUFACTURER & MODEL NUMBER	NOTES
D1	6" LED DOWNLIGHT, 80CRI, 5000K, 0-10V DIMMING	LED	120 V	21 VA	CEILING, RECESSED	LITHONIA WF6-LED-50K-MVOLT-MW OR APPROVED EQUAL	
L1	2X2 LED LIGHT FIXTURE, 80CRI, 5000K, 2000 LUMEN, 0-10V DIMMING	LED	120 V	32 VA	CEILING, RECESSED	LITHONIA EPANL-2X2-2000LM-80CRI-50K-MIN1-ZT-MVOLT-DGA22 OR APPROVED EQUAL	
L1E	2X2 LED LIGHT FIXTURE, 80CRI, 5000K, 2000 LUMEN, 0-10V DIMMING, 90 MIN BATTERY BACKUP	LED	120 V	32 VA	CEILING, RECESSED	LITHONIA EPANL-2X2-2000LM-80CRI-50K-MIN1-ZT-MVOLT-E10WCP-DGA22 OR APPROVED EQUAL	
W1	EXTERIOR LED WALL PACK	LED	120 V	15 VA	WALL, SURFACE	LITHONIA OLWX1-LED-13W-50K OR APPROVED EQUAL	
X1	SINGLE FACE, GREEN LETTERS, LED EXIT SIGN	LED	120 V	2 VA	CEILING, SURFACE	ISOLITE ELT-FT-EM-G-1C-BA OR APPROVED EQUAL	
X2	DOUBLE SIDED FACE, GREEN LETTERS, LED EXIT SIGN	LED	120 V	2 VA	CEILING, SURFACE	ISOLITE ELT-FT-EM-G-2M-BA OR APPROVED EQUAL	

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06/17/2021

BRANCH PANEL: E									
LOCATION: STORAGE 112				VOLTS: 120/240 Single			A.I.C. RATING: 10K		
SUPPLY FROM:				PHASES: 1			MAINS TYPE: MLO		
MOUNTING: SURFACE				WIRES: 3			MAINS RATING: 100 A		
ENCLOSURE: Type 1									
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	(E) LTS: STOR. HOSE, MECH. MUD	20 A	1	700 VA	150 VA	1	20 A	(E) EXIT LTS	2
3	(E) LTS: APPARATUS ROOM	20 A	2	1575 VA	1200 VA	1	20 A	(E) REC., ALARM RM.	4
5	(E) LTS: APPARATUS ROOM	20 A	2	1575 VA	1200 VA	1	20 A	(E) OVERHEAD DOOR - EAST	6
7	LTG DORMATORIES	20 A	1	0 VA	1200 VA	2	20 A	(E) OVERHEAD DOOR - WEST	8
9	(E) SPARE	20 A	1	0 VA	1200 VA	2	20 A	(E) OVERHEAD DOOR - WEST	10
11	(E) SPARE	20 A	1	0 VA	1200 VA	2	20 A	(E) OVERHEAD DOOR - WEST	12
13	(E) BATTERY CHARGER	20 A	1	1500 VA	500 VA	1	20 A	(E) AUTO. LT. CONTROL CIR.	14
15	(E) LTS: DORM & TRAINING	20 A	1	950 VA	0 VA	1	20 A	FACP	16
17	(E) FUEL OIL PUMP 1/2 HP	20 A	1	950 VA	0 VA	1	20 A	FACP	18
19	(E) SPARE	20 A	1	0 VA	0 VA	1	20 A	FACP	20
21	(E) SPARE	20 A	1	0 VA	0 VA	1	20 A	FACP	22
23	(E) SPARE	20 A	1	0 VA	0 VA	1	20 A	FACP	24
25									26
27									28
29									30
31									32
33									34
35									36
37									38
39									40
41									42
TOTAL LOAD:				7775 VA	7189 VA				
TOTAL AMPS:				65 A	60 A				
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS				
Spare		14220 VA	100.00%	14220 VA					
LIGHTING		744 VA	125.00%	930 VA	TOTAL CONN. LOAD: 744 VA				
					TOTAL EST. DEMAND: 930 VA				
					TOTAL CONN.: 3 A				
					TOTAL EST. DEMAND: 4 A				

BRANCH PANEL: A											
LOCATION: STORAGE 112				VOLTS: 120/208 Wye			A.I.C. RATING: 10K				
SUPPLY FROM:				PHASES: 3			MAINS TYPE:				
MOUNTING: SURFACE				WIRES: 4			MAINS RATING: 225 A				
ENCLOSURE: NEMA 1											
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT	
1	(E) REC. APPARATUS ROOM	--	--	0 VA	0 VA		--	--	(E) AC UNIT	2	
3	(E) SPRINKLER CLOCK	--	--		0 VA	0 VA	--	--	(E) AC UNIT	4	
5	(E) HOSE, MECH. TTIS	--	--			0 VA	0 VA	--	(E) GARBAGE DISPOSAL	6	
7	(E) REST ROOM LIVING ROOM	--	--	0 VA	0 VA		--	--	(E) SMALL APPLIANCES	8	
9	CO DORMITORIES	20 A	1		540 VA	0 VA	--	--	(E) FUEL PUMP	10	
11	(E) CAPT. REST ROOM	--	--			0 VA	0 VA	--	(E) UNIT HEATER	12	
13	(E) AIR COMPRESSOR	--	--	0 VA	0 VA		--	--	(E) UNIT HEATER	14	
15	(E) AIR COMPRESSOR	--	--		0 VA	0 VA	--	--	(E) EXTERIOR LIGHTS	16	
17	(E) CONDENSOR UNIT	--	--			0 VA	0 VA	--	(E) ROOFTOP GFI	18	
19	(E) CONDENSOR UNIT	--	--	0 VA	0 VA		--	--	(E) ROOFTOP GFI	20	
21	(E) KITCHEN RANGE	--	--		0 VA	0 VA	1	20 A	(E) SPARE	22	
23	(E) KITCHEN RANGE	--	--			0 VA	0 VA	--	(E) EXHAUST SYSTEM	24	
25	(E) SIGN	--	--	0 VA	0 VA		--	--	(E) EXHAUST SYSTEM	26	
27	(E) SMALL APPLIANCES...	--	--		0 VA	0 VA	--	--	(E) AC UNIT	28	
29	(E) SMALL APPLIANCES...	--	--			0 VA	0 VA	--	(E) AC UNIT	30	
31	CO RESTROOMS	20 A	1	460 VA	0 VA		--	--	(E) SOUTH ATTIC HEATERS	32	
33	(E) ROOF EXHAUST FANS	--	--		0 VA	0 VA	--	--	(E) SOUTH ATTIC HEATERS	34	
35	CO DORMITORIES	20 A	1			720 VA	0 VA	--	(E) RANGE	36	
37	EXHAUST FANS	20 A	1	148 VA	0 VA		--	--	(E) ATTIC HEATERS CENTER	38	
39	(E) AC UNIT	--	--			0 VA	0 VA	--	(E) ATTIC HEATERS CENTER	40	
41	(E) AC UNIT	--	--			0 VA	0 VA	1	20 A	(E) SPARE	42
TOTAL LOAD:				608 VA	540 VA	720 VA					
TOTAL AMPS:				5 A	5 A	6 A					
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS						
EQUIPMENT		198 VA	100.00%	198 VA							
RECEPTACLE		1670 VA	100.00%	1670 VA	TOTAL CONN. LOAD: 1868 VA						
					TOTAL EST. DEMAND: 1868 VA						
					TOTAL CONN.: 5 A						
					TOTAL EST. DEMAND: 5 A						

COMcheck Software Version 4.1.4.1 Interior Lighting Compliance Certificate

Project Information
 Energy Code: 2018 IECC
 Project Title: Sparks Fire Station 2 Dormitory Remodel Alteration
 Project Type: Alteration

Construction Site: 2900 N Truckee Lane SPARKS, NV 89434
Owner/Agent: Rob Bidart, City of Sparks Sparks, NV, rbidart@cityofsparks.us
Designer/Contractor: Kimley-Horn & Associates, 5370 Kietzke Lane Suite 100, Reno, NV 89511, 775-200-1970, joe.nielsen@kimley-horn.com

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-SPARKS FIRE STATION 2 DORMITORY REMODEL (Fire Station)	1600	0.53	848
		Total Allowed Watts = 848	

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
SPARKS FIRE STATION 2 DORMITORY REMODEL (Fire Station 1600 sq ft)				
L1.L1E: LED Panel 33W:	1	21	33	693
D1: 6" LED Down Light Other:	1	8	12	96
		Total Proposed Watts =		789

Interior Lighting PASSES
Interior Lighting Compliance Statement
 Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.4.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.
 DUSTIN COLWELL - ENGINEER OF RECORD
 Name - Title: Dustin Colwell Signature: [Signature] Date: 06/08/2021

Project Title: Sparks Fire Station 2 Dormitory Remodel
 Data filename: K:\SREN_Mechanical\192079008 Sparks Fire Station_2 Dormitory Remodel\Calculations\ELEC Page 1 of 6
 IECC.cck Report date: 09/18/20

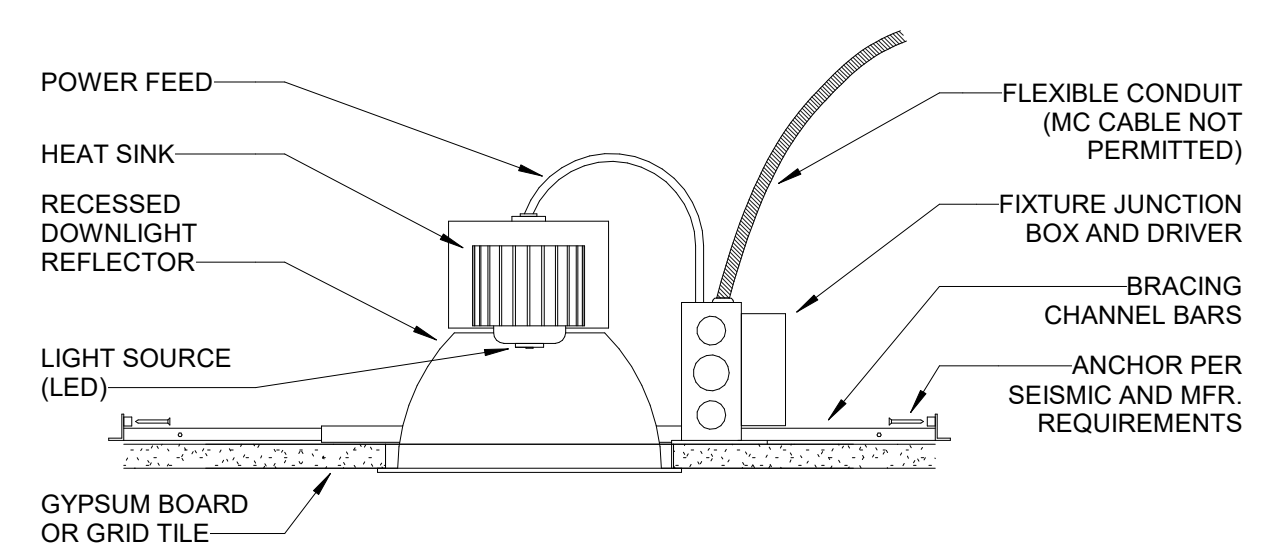
LIGHTING CONTROLS LEGEND

-----	LOW VOLTAGE CONTROLS CABLING (BY OTHERS)
_____	LINE VOLTAGE CONDUIT AND CONDUCTORS
[S1]	DIMMING SWITCH, 0-10V DIMMING, 4-BUTTON - ON/OFF/RAISE/LOWER (LITHONIA SPODM-D-WH OR APPROVE EQUAL)
[S2]	DIMMING SWITCH W/ INTEGRAL OCCUPANCY SENSOR (LITHONIA WSX-PDT-D-WH OR APPROVED EQUAL)

- LIGHTING CONTROLS SEQUENCE OF OPERATIONS**
- GENERAL
 - ALL LIGHTING SHALL BE HIGH EFFICIENCY LED WITH DIMMING CONTROLS. OWNER SHALL HAVE THE ABILITY TO REDUCE TOTAL LUMEN OUTPUT AS DESIRED.
 - ALL EMERGENCY LIGHTING SHALL BE EMERGENCY BATTERY BACKUP EITHER REMOTELY MOUNTED OR INTEGRAL TO THE FIXTURE. FIXTURES WITH EMERGENCY BATTERY BACKUP ARE INDICATED ON THE PLANS. PROVIDE WITH INTEGRAL TEST SWITCH.
 - INTERIOR LIGHTING CONTROLS SHALL BE LOW VOLTAGE, 0-10V DIMMING COMPATIBLE.
 - DAYLIGHTING
 - FIXTURES SPECIFIED WITH DAYLIGHTING CONTROLS SHALL BE INTEGRAL TO THE FIXTURE TO BE CONTROLLED BY AUTOMATIC PHOTOCELL DIMMING AS REQUIRED IN THE 2018 IECC.
 - OCCUPANCY
 - ALL LIGHTING SHALL BE CONTROLLED BY AUTOMATIC OFF/AUTOMATIC ON OCCUPANCY SENSOR CONTROLS, AS PERMITTED UNDER 2018 IECC. CONTRACTOR SHALL COORDINATE WITH END USER TO SET DELAY TIMES FOR OCCUPANCY SENSORS TO A MAXIMUM OF 30 MINUTES.
 - THE LIGHTING IN THE HALLWAYS, LOBBIES, AND OTHER EGRESS AREAS SHALL BE HAVE NO OCCUPANCY SENSOR CONTROLS AS PERMITTED BY THE 2018 IECC.

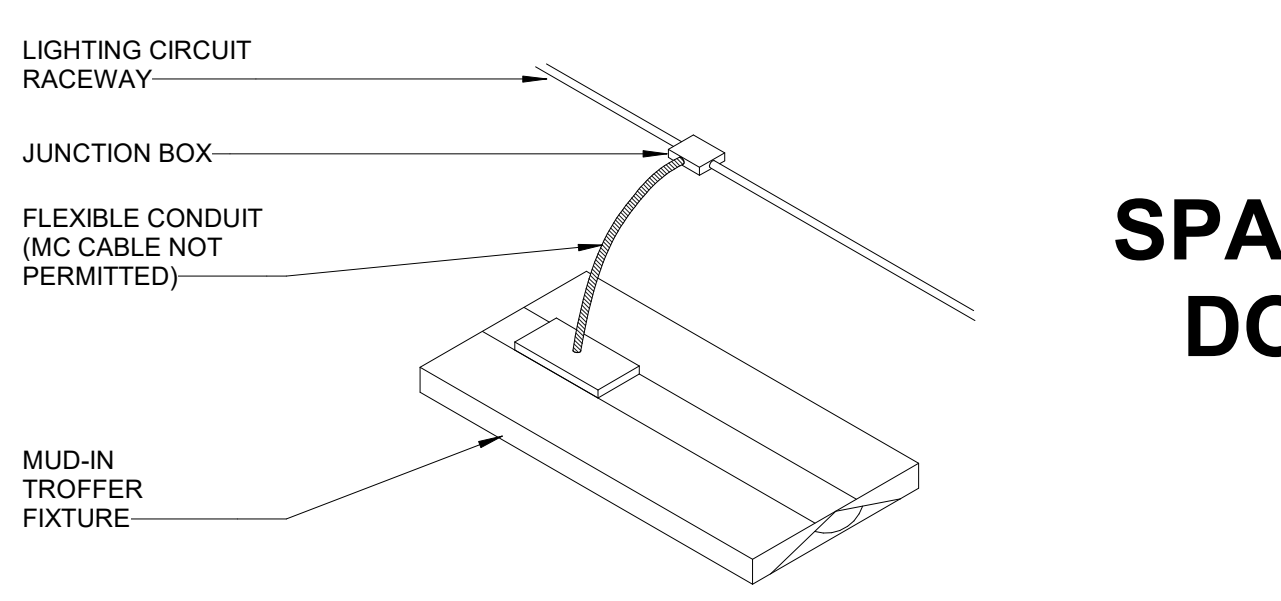
3 LIGHTING CONTROLS SEQUENCE OF OPERATIONS

SCALE: 1/8" = 1'-0"



2 RECESSED DOWNLIGHT MOUNTING DETAIL

SCALE: 1/8" = 1'-0"



1 RECESSED TROFFER MOUNTING DETAIL

SCALE: 1/8" = 1'-0"

ELECTRICAL SCHEDULES & DETAILS
e602

SPARKS FIRE STATION 2 DORMITORY REMODEL
 City of Sparks
 2900 N Truckee Lane
 Sparks, NV 89434

No.	Description	Date