

## GENERAL NOTES

1. THESE GENERAL NOTES PERTAIN TO WORK DESCRIBED ON ALL CONTRACT DOCUMENTS.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GENERAL SAFETY DURING CONSTRUCTION, AND ALL WORK SHALL CONFORM TO PERTINENT SAFETY REGULATIONS.
11. 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.
12. 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.
13. 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.
14. THE CONTRACTOR SHALL PURSUE WORK IN A CONTINUOUS AND DILIGENT MANNER TO INSURE TIMELY COMPLETION OF THE PROJECT.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.

## PROPERTY INFORMATION

ADDRESS	431 PRATER WAY, SPARKS NV 89431
APN	033-183-02
BLOCK	C
LOT	183
SUBDIVISION	CANTLON TRACT
ZONE	GENERAL COMMERCIAL
F.A.R.	EXISTING

## DESIGN CRITERIA

PER CITY OF SPARKS, BASED ON THE 2018 BUILDING CODES:

2010 ADA STANDARDS  
 2018 INTERNATIONAL BUILDING CODE  
 2018 UNIFORM MECHANICAL CODE  
 2018 UNIFORM PLUMBING CODE  
 2018 INTERNATIONAL ENERGY CONSERVATION CODE  
 2018 INTERNATIONAL EXISTING BUILDING CODE  
 2017 NATIONAL ELECTRICAL CODE

2018 NORTHERN NEVADA AMENDMENTS

OCCUPANCY GROUP		B
NON-SEPARATED OR SEPARATED USES		
CONSTRUCTION TYPE	III-B	
FULLY SPRINKLERED	YES	

## SCOPE OF WORK

INTERIOR IMPROVEMENTS CONSISTING OF REMOVING AND/OR ADDING WALLS, DOORS, CASEWORK, LIGHTING, ELECTRICAL, PLUMBING, AND MECHANICAL, INCLUSIVE OF ADA UPGRADES, FOR THE FOLLOWING AREAS:

1. CITY HALL CLERK/CUSTOMER SERVICE AREA
2. BUILDING DEPARTMENT MAIL ROOM AND MAIN LEVEL FINANCE OFFICES
3. BASEMENT FINANCE & CUSTOMER SERVICE OFFICES
4. I.T. OFFICES
5. NORTHEAST RESTROOMS

SEE SHEET a200 FOR KEY PLAN OF SPECIFIED AREAS.

## PROJECT TEAM

### OWNER

CITY OF SPARKS  
 431 PRATER WAY, SPARKS NV 89431  
 (775) 224-2976  
 ROB BIDART: RBIDART@CITYOFSPARKS.NV

### ARCHITECTURAL

FORMGREY STUDIO LLC  
 650 SOUTH ROCK BOULEVARD #14, RENO NV 89502  
 (775) 507-7200  
 NHUDSON@FORMGREY.COM

### MECHANICAL, PLUMBING, & ELECTRICAL

KIMLEY-HORN AND ASSOCIATES, INC.  
 5370 KIETSKE LAND, SUITE 100, RENO NV 89511  
 (775) 787-7552  
 MATT MYRES: MATT.MYRES@KIMLEY-HORN.COM

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## SEPARATE SUBMITTALS

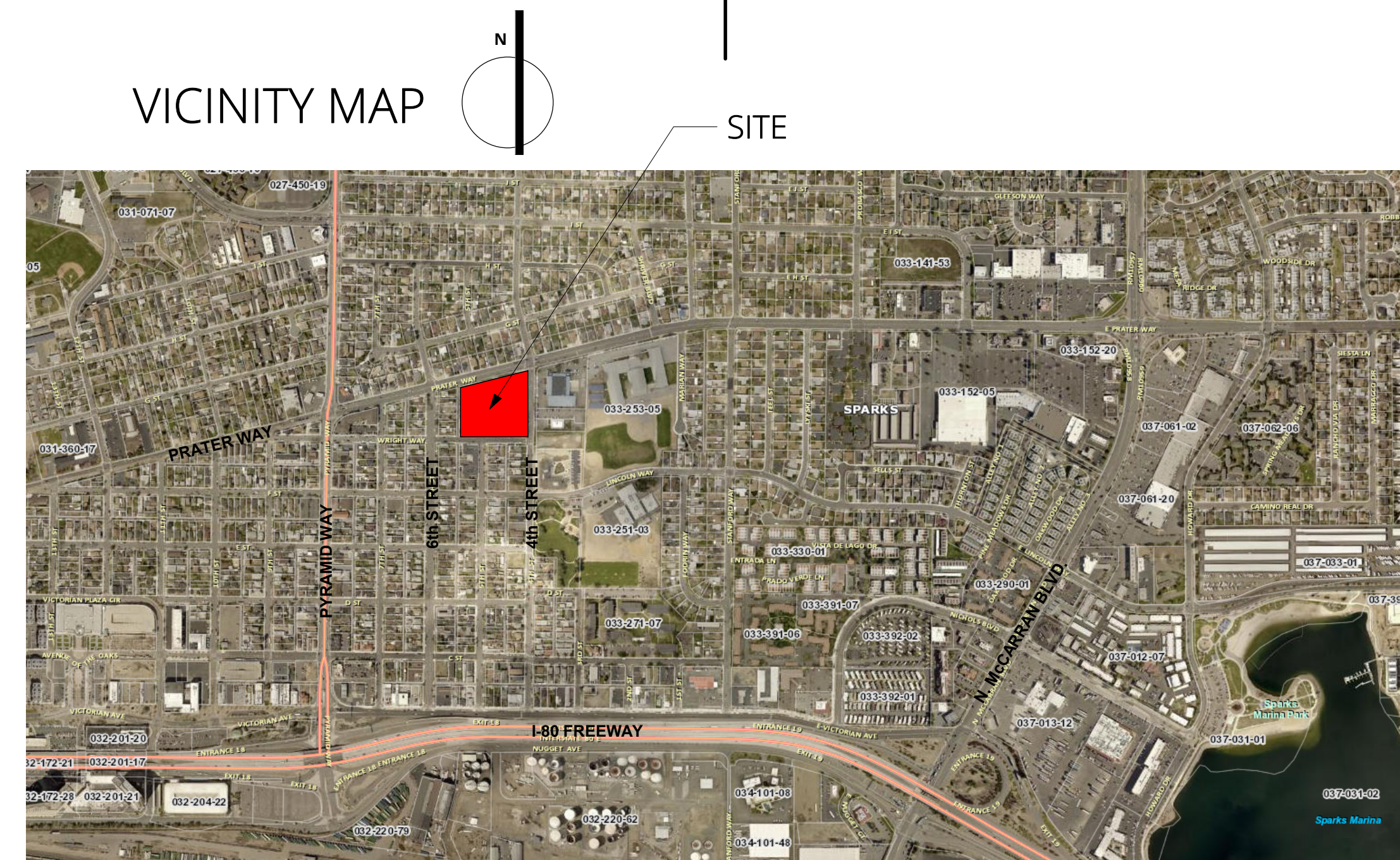
FIRE SPRINKLER SUBMITTAL

## CITY ENGINEER

JON R. ERICSON, PE, P.T.O.E.

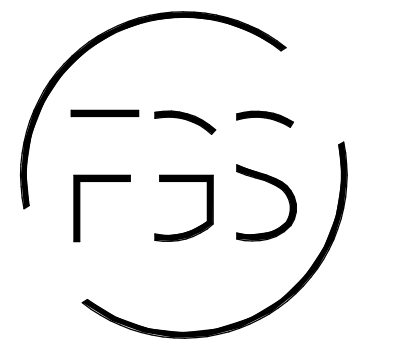
DATE

## VICINITY MAP



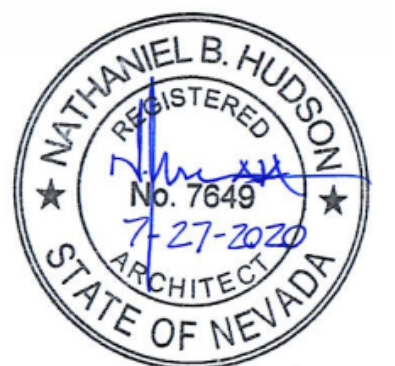
TITLE SHEET, PROJECT  
 INFORMATION, CODES

a001



FORMGREY STUDIO  
 525 Roberts Street #100, Reno NV 89502 | www.formgrey.com  
 (775) 507-7200  
**CITY HALL INTERIOR  
 IMPROVEMENTS**  
 City of Sparks

431 Prater Way  
 Sparks NV 89431



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# GENERAL CONSTRUCTION NOTES & GENERAL SPECIFICATIONS

## DIVISION 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.

## DIVISION 2 - EXISTING CONDITIONS:

- A. DEMOLITION: INCLUDES DEMOLITION AND REMOVAL OF SELECTED PORTIONS OF THE BUILDING.

## DIVISION 3 - CONCRETE:

NOT A PART

## DIVISION 4 - MASONRY:

NOT A PART

## DIVISION 5 - METALS:

- A. STRUCTURAL STEEL FRAMING

## DIVISION 6 - WOOD, PLASTICS, AND COMPOSITES:

- A. ROUGH CARPENTRY: SEE DRAWINGS FOR EXISTING WOOD FRAMED WALL(S) TO BE REMOVED AND RE-BUILT. ALL OTHER EXISTING WALLS TO REMAIN.
- 1. DIMENSIONAL LUMBER SHALL BE CONSTRUCTION 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.

## DIVISION 7 - THERMAL AND MOISTURE PROTECTION:

- A. SOUND BATT INSULATION AS SHOWN ON DRAWINGS.

## DIVISION 8 - OPENINGS:

- A. DOORS AND WINDOWS: ALL EXISTING DOORS AND WINDOWS TO REMAIN U.N.O.

### DOOR NOTES:

- 1. EXISTING DOORS ARE INDICATED IN DRAWINGS TO BE REMOVED, REFINISHED AND/OR REINSTALLED INTO EXISTING/NEW OPENING(S).
- 2. ALL DOOR HARDWARE SHALL BE AS INDICATED IN "DOOR HARDWARE SCHEDULE".

## DIVISION 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:

- A. USE FIBERGLASS REINFORCED MESH JOINT TAPE AT ALL GYPSUM WALL BOARD JOINTS.
- B. ALL INTERIOR WALLS AND PATCHED WALLS (AND RESTROOM CEILINGS) SHALL RECEIVE SMOOTHEST FINISH PERMISSIBLE BY BUDGET UNLESS NOTED OTHERWISE.
- C. ALL PAINTS AND PRIMERS SHALL BE ZERO VOC CONTENT. MISCELLANEOUS ADHESIVES AND SEALANTS WITHIN PROJECT TO BE LOW VOC CONTENT.
- D. ALL INTERIOR FINISH MATERIAL SELECTIONS SHALL BE APPROVED BY OWNER.
- E. PAINT: COLOR SW1641, ACRYLIC SEMI-GLOSS
- F. BASE: BURKE, COLOR 523 "BLACK/BROWN", 4", TYPE TS RUBBER COVE
- G. STAIN: COLOR "FRUITWOOD", SHERWIN WILLIAMS OIL BASED SW3204
- H. CARPET: LEES "FLAMESTITCH III", 879 NEEDLEPOINT CARPET TILE. USE MANUFACTURER SPECIFIED ADHESIVE.
- J. CEILING TILES: ARMSTRONG CORTEGA 769A 24"x48" ACOUSTIC TILE CEILING SYSTEM

### NON-STRUCTURAL METAL FRAMING:

THE INSTALLATION OF NON-STRUCTURAL STEEL FRAMING SHALL COMPLY WITH ASTM C754.

- A. FRAMING SYSTEM: Z-FURRING: IN DEPTH REQUIRED BY INSULATION, 1-1/4-INCH (32-MM) FACE FLANGE, 7/8-INCH (22-MM) WALL-ATTACHMENT FLANGE, AND 0.018 INCH (0.45 MM) THICK.
- B. ACCESSORIES: INSTALL SUPPLEMENTARY FRAMING, AND BLOCKING TO SUPPORT FIXTURES, EQUIPMENT SERVICES, HEAVY TRIM, GRAB BARS, TOILET ACCESSORIES, FURNISHINGS, OR SIMILAR CONSTRUCTION.

WALL BOARD: ALL NEW INTERIOR WALL AND CEILING FACES ARE TO BE SHEATHED WITH 5/8" MOLD/MOISTURE AND IMPACT RESISTANT GYPSUM BOARD, SEE DRAWINGS. SCREW ALL GYPSUM BOARD TO WALL STUDS, PLATES, BLOCKING, ETC. WITH BUGLE HEAD DRY WALL SCREWS AT 6" o.c. TAPE, TEXTURE, AND PAINT GYPSUM BOARD ACCORDING TO INTERIORS FINISH SCHEDULE. ALL DRYWALL CORNERS TO BE METAL 90 DEGREE SQUARE CORNERS.

- A. WALLS: ALL INTERIOR WALLS SHALL RECEIVE SMOOTHEST FINISH PERMISSIBLE BY BUDGET. PAINT PER FINISH MATERIAL SCHEDULE.
- B. CEILINGS AT BATHROOMS: ALL EXISTING INTERIOR CEILINGS TO REMAIN AS NOTED. PREPARE CEILING SURFACE FOR NEW FINISH. CEILINGS SHALL RECEIVE SMOOTHEST FINISH PERMISSIBLE BY PAINT MANUFACTURER.
- INTERIOR PAINT: ALL INTERIOR PAINT SHALL BE SHERWIN WILLIAMS INTERIOR ACRYLIC LATEX SEMI-GLOSS, COLOR: SW1011 WHITE.

### FINISHED CEILINGS:

- EXISTING GYPSUM BOARD CEILINGS: EXISTING CEILING SURFACE SHALL BE PREPARED FOR NEW PAINT. SEE MANUFACTURER'S INSTRUCTIONS.
- EXISTING SUSPENDED CEILINGS: EXISTING SUSPENDED CEILINGS TO REMAIN SHALL BE PROTECTED IN PLACE FROM DAMAGE DUE TO NEW CONSTRUCTION.
- NEW SUSPENDED CEILINGS:

- 1. MANUFACTURER: ARMSTRONG CEILINGS.
- 2. PRODUCT LINE: 769A CORTEGA SQUARE LAY-IN, FLAT WHITE 24" x 48", 15/16" GRID.
- 3. SUBMITTALS: SUBMIT MANUFACTURER'S PRODUCT LITERATURE FOR REVIEW BY OWNER OR ARCHITECT.

## DIVISION 10 - SPECIALTIES:

TOILET, BATH, AND SPECIALTIES - SEE SHEET a203

## DIVISION 11 - EQUIPMENT:

NOT A PART

## DIVISION 12 - FURNISHINGS:

NOT A PART

## DIVISION 13 - SPECIAL CONSTRUCTION:

NOT A PART

## DIVISION 14-21 - NOT USED

NOT A PART

## DIVISION 22 - PLUMBING:

TOILET, BATH, AND SPECIALTIES - SEE SHEET a203

## DIVISION 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.
- B. EXHAUST FANS: SEE MECHANICAL.

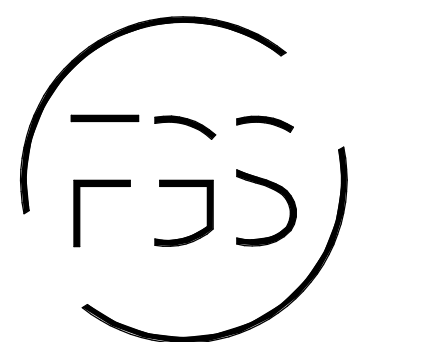
## DIVISION 26 - ELECTRICAL:

### ELECTRICAL NOTES:

- INSTALL ENERGY STAR-LABELED OR ENERGY STAR ADVANCED LIGHTING PACKAGE FOR ALL INTERIOR LIGHTING. LIGHT FIXTURES IN UNCONDITIONED SPACES MUST BE AIRTIGHT.
- A. LIGHTING: LITHONIA 'EPANL' FLAT PANEL LED LIGHT FIXTURES, 2'x2'.
- B. SECURE ACCESS CONTROL: PER OWNER.

## GENERAL CONSTRUCTION NOTES AND GENERAL SPECIFICATIONS

# a002



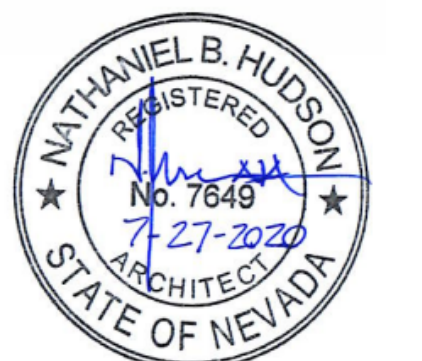
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## CITY HALL INTERIOR IMPROVEMENTS

City of Sparks

431 Prater Way  
Sparks NV 89431



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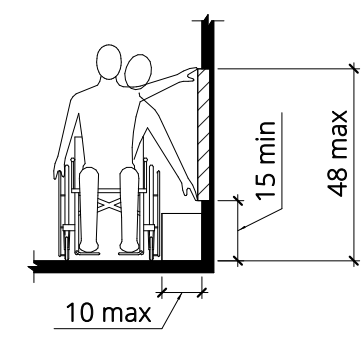


FIGURE 308.3.1 UNOBSTRUCTED SIDE REACH

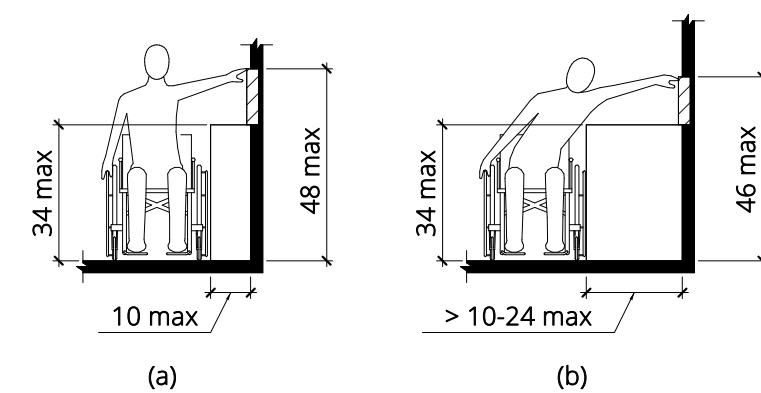


Figure 308.3.2 OBSTRUCTED HIGH SIDE REACH

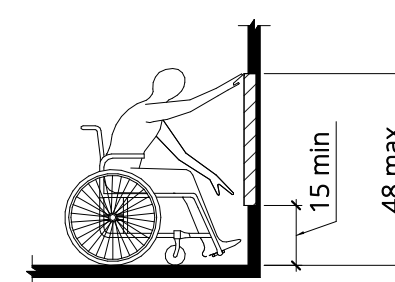
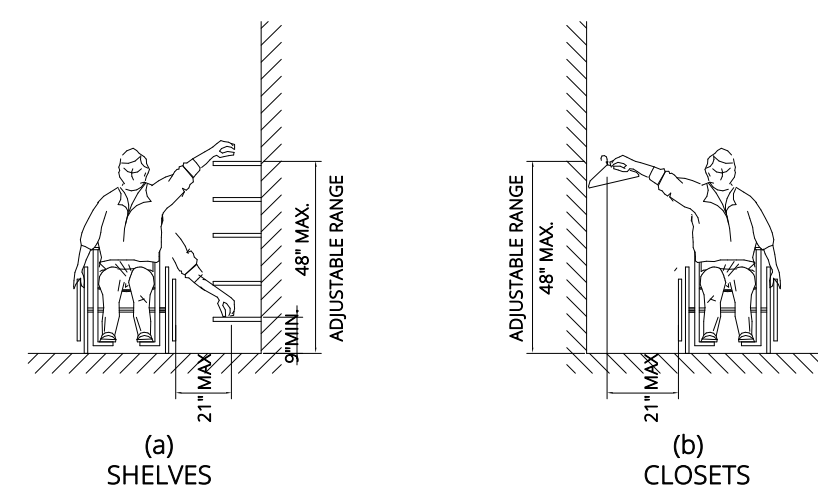
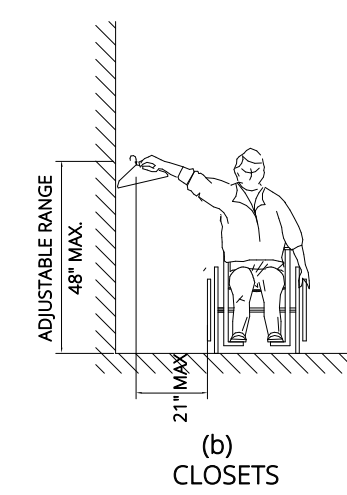


Figure 308.2.1 UNOBSTRUCTED FORWARD REACH



(a) SHELVES



(b) CLOSETS

STORAGE SHELVES AND CLOSETS

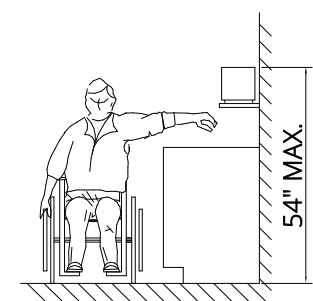


FIG. 54 TABLEWARE AREAS

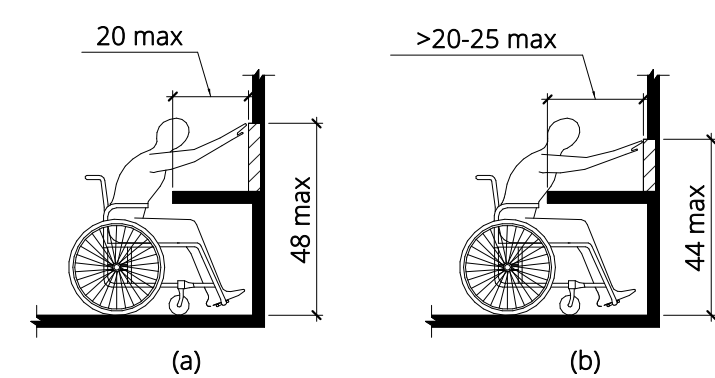
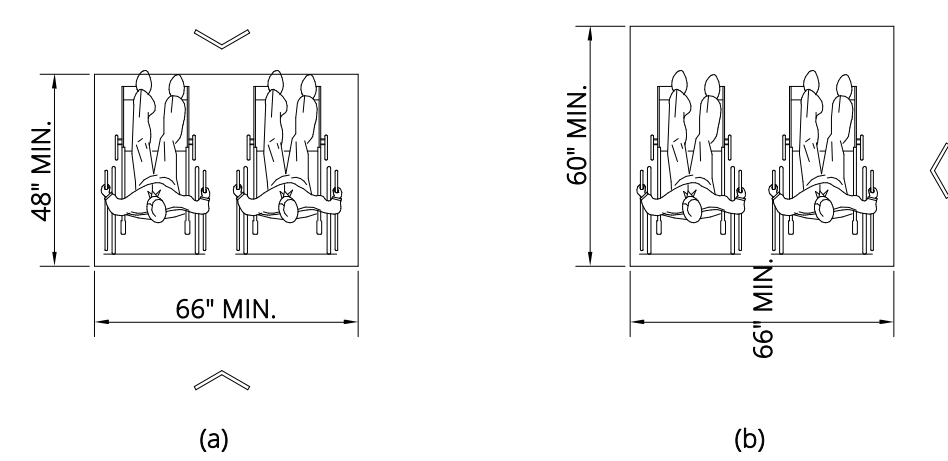


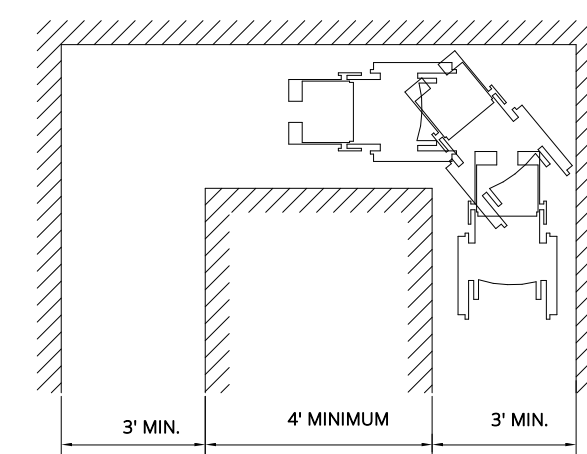
FIGURE 308.2.2 OBSTRUCTED HIGH FORWARD REACH



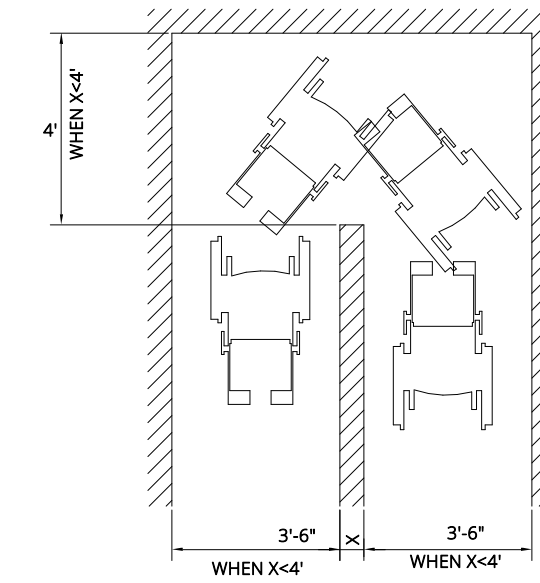
(a) FORWARD OR REAR ACCESS

(b) SIDE ACCESS

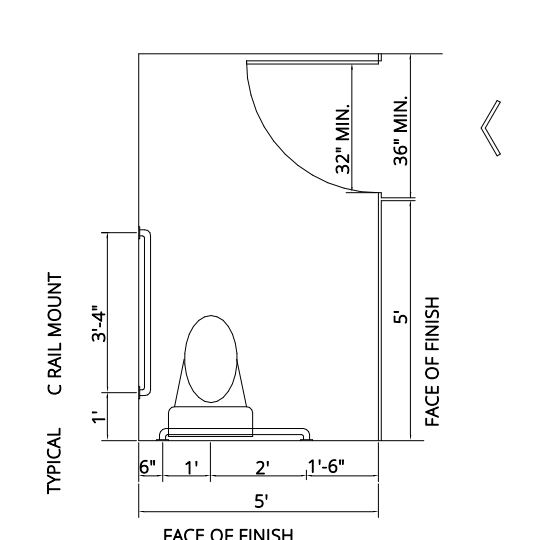
SPACE REQUIREMENTS FOR WHEELCHAIR SEATING SPACES IN SERIES



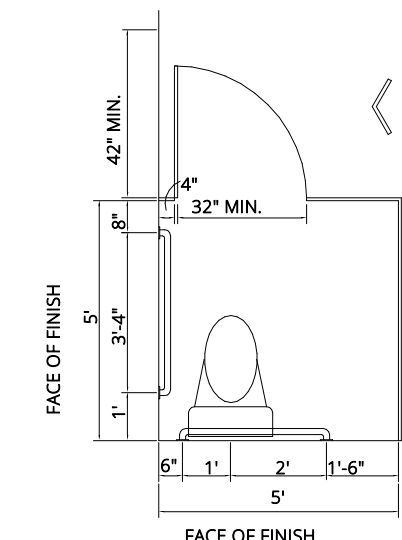
(a) 90 TURN



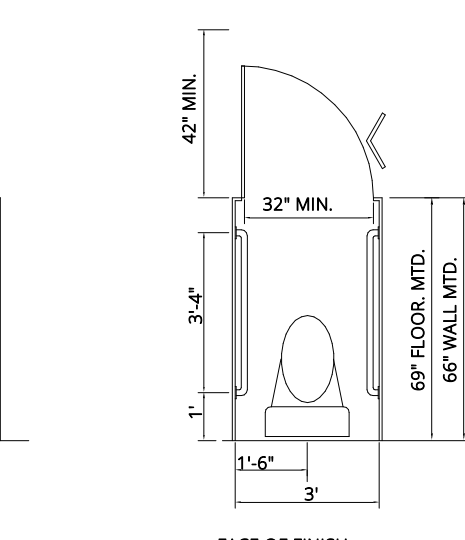
(b) TURN AROUNDS



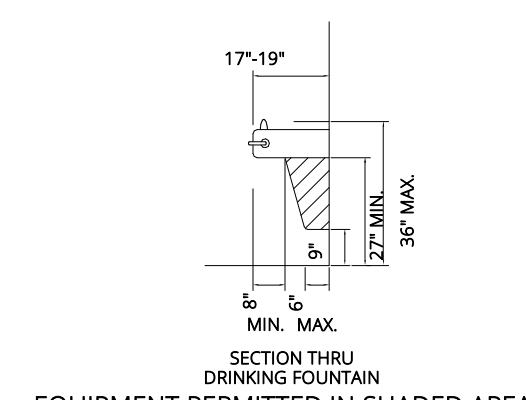
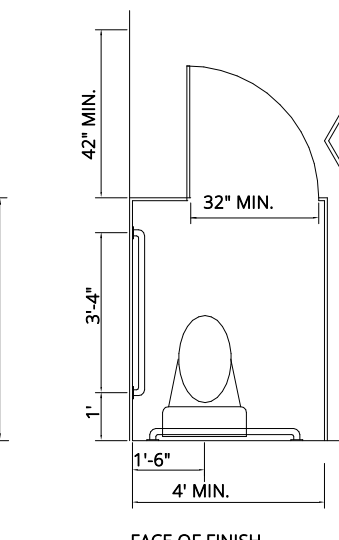
STANDARD STALL (END OF ROW)



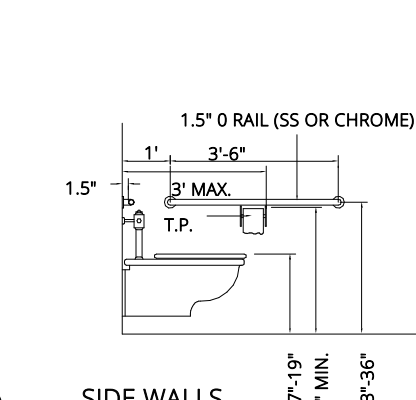
STANDARD STALL



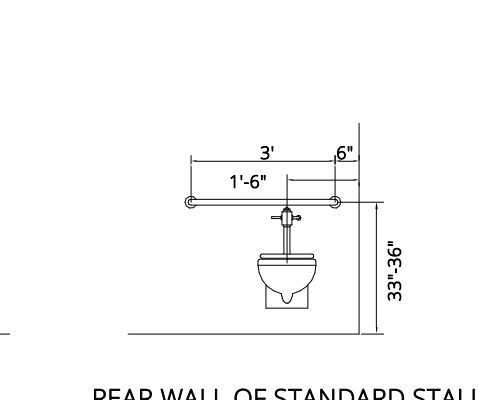
ALTERNATE STALLS



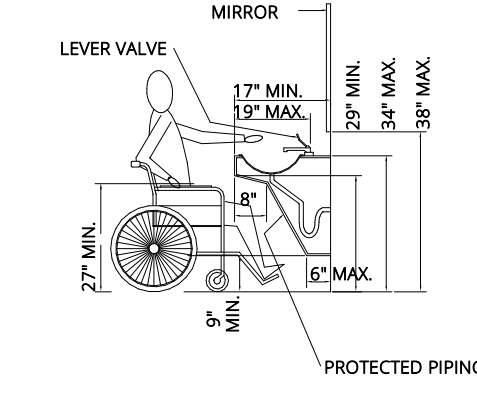
EQUIPMENT PERMITTED IN SHADED AREA



SIDE WALLS

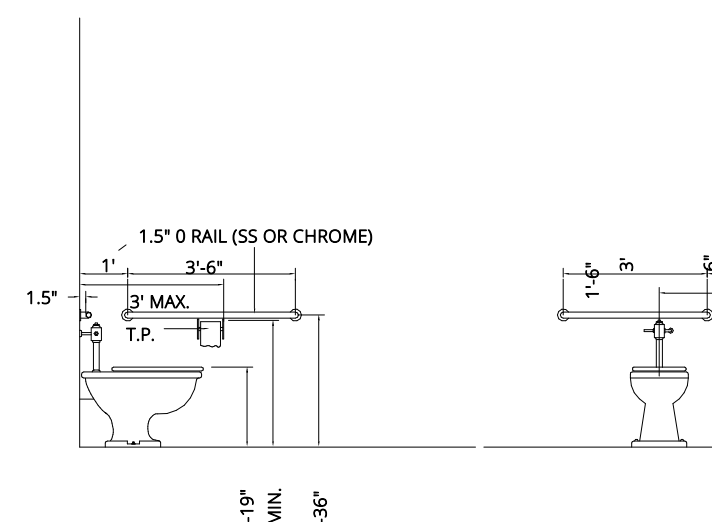


REAR WALL OF STANDARD STALL



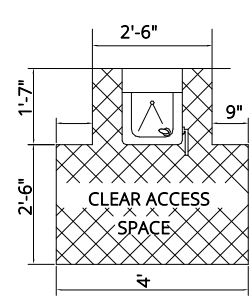
PROTECTED RIPPING

SPOUT HEIGHT AND KNEE CLEARANCE

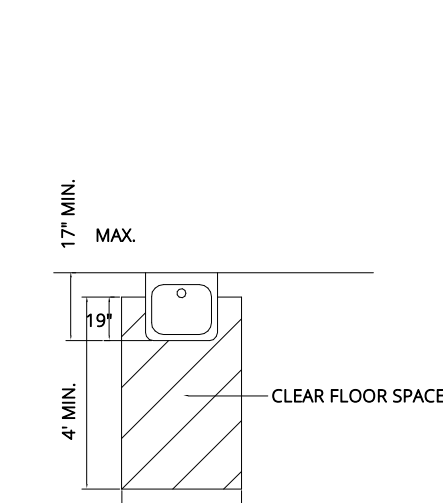
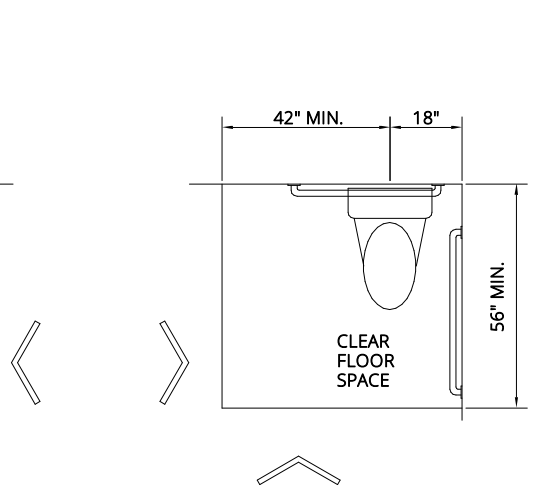
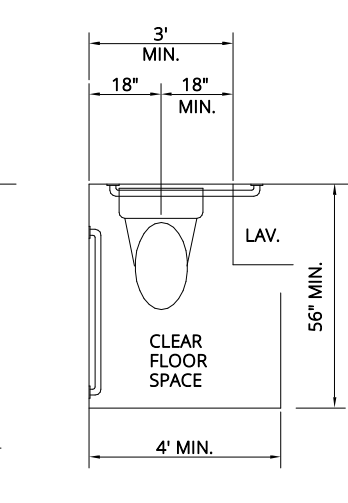
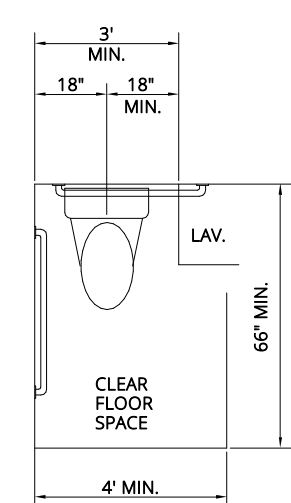


CLEAR FLOOR SPACE

SPOUT SHALL BE WITHIN 3" OF FRONT AND SHALL DIRECT FLOW PARALLEL TO FRONT FLOW SHALL BE A MINIMUM OF 4" HIGH



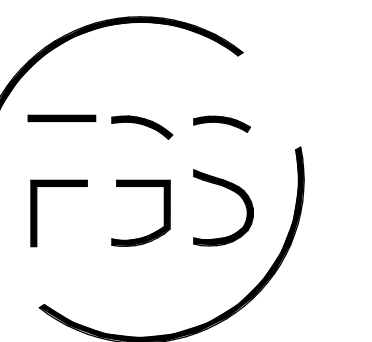
PLAN AT DRINKING FOUNTAIN



CLEAR FLOOR SPACE AT WATER CLOSETS

GENERAL ACCESSIBILITY DETAILS 1

a003.1

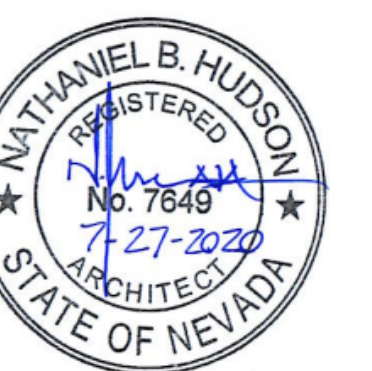


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City of Sparks

431 Prater Way  
Sparks NV 89431

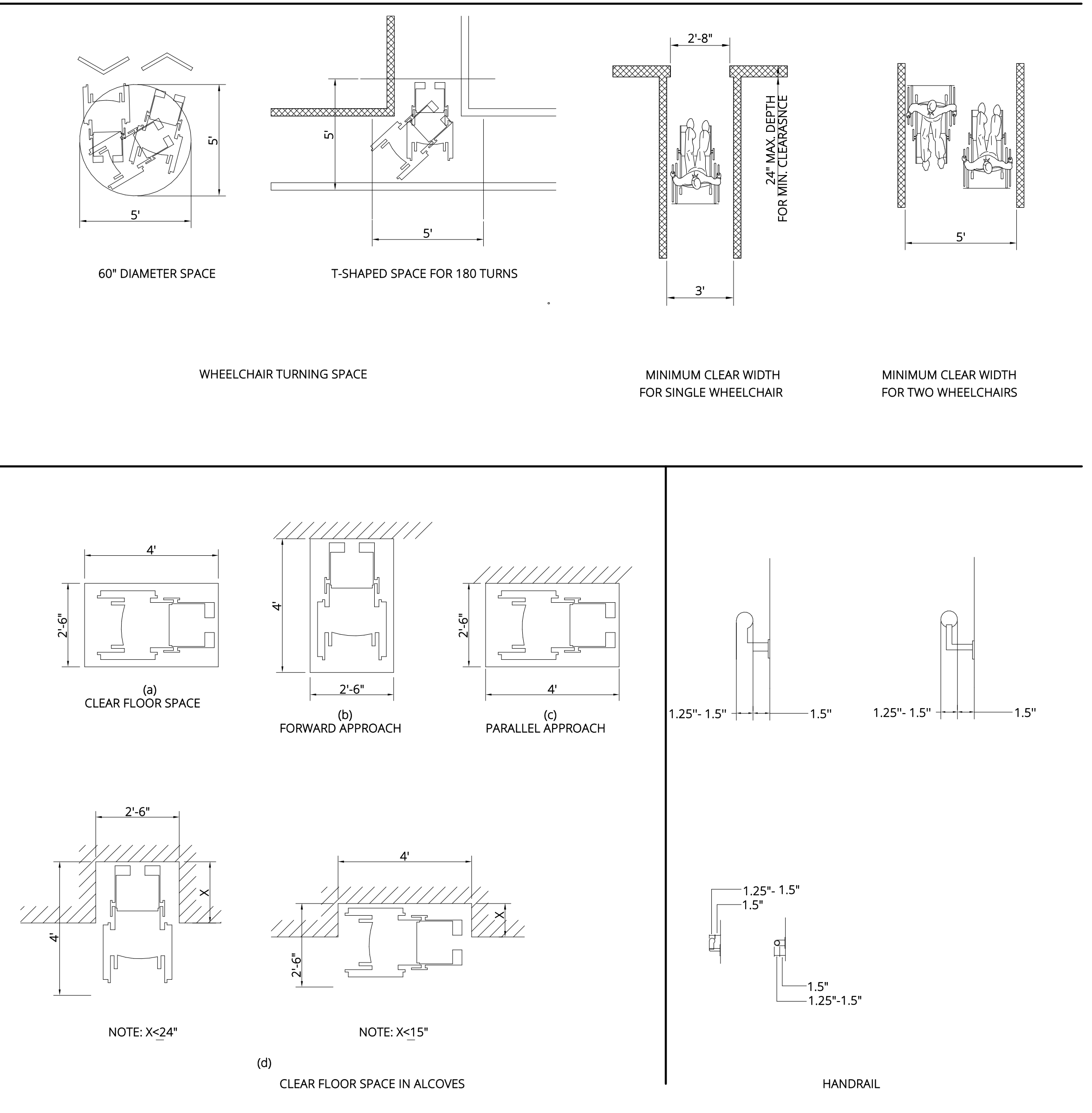
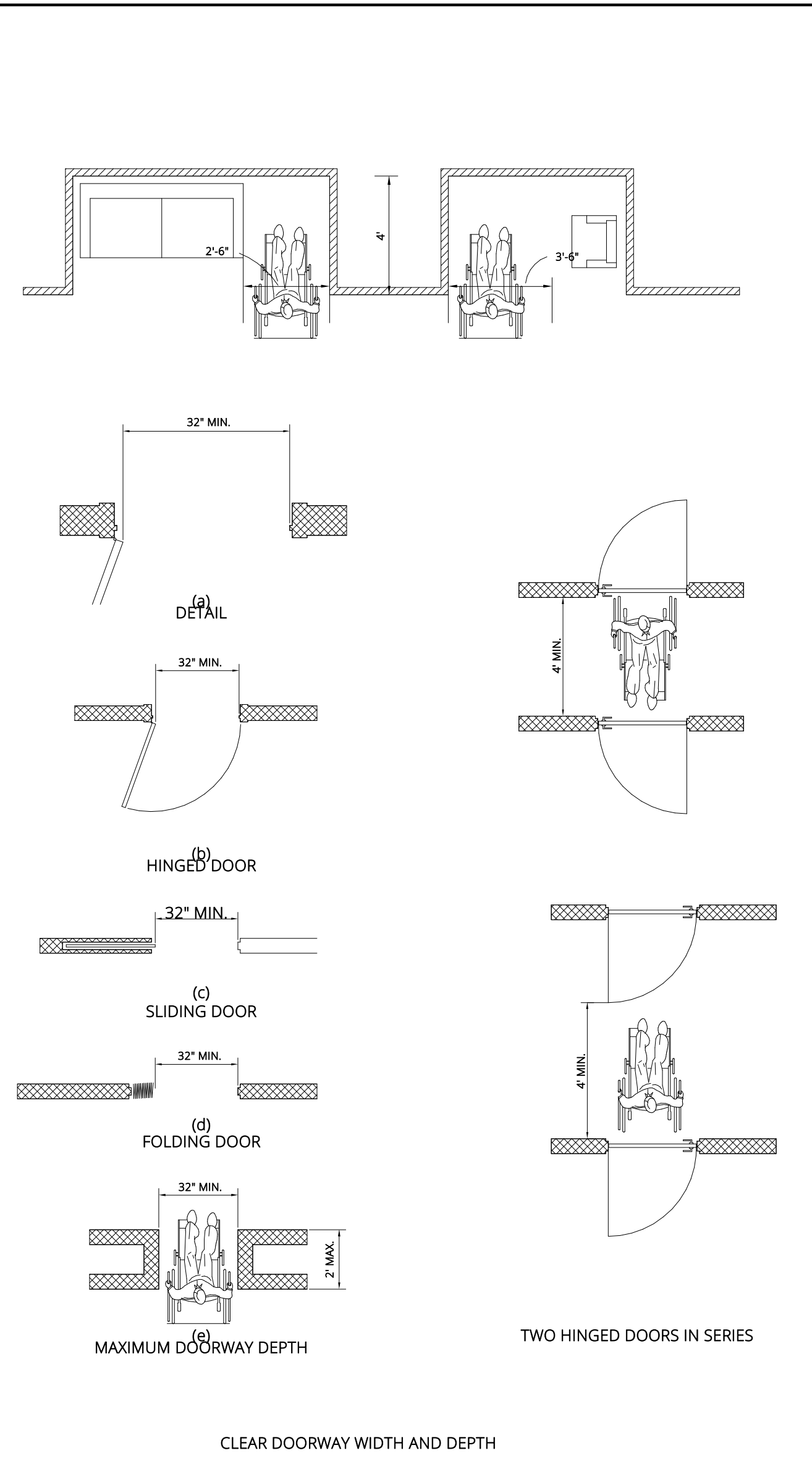
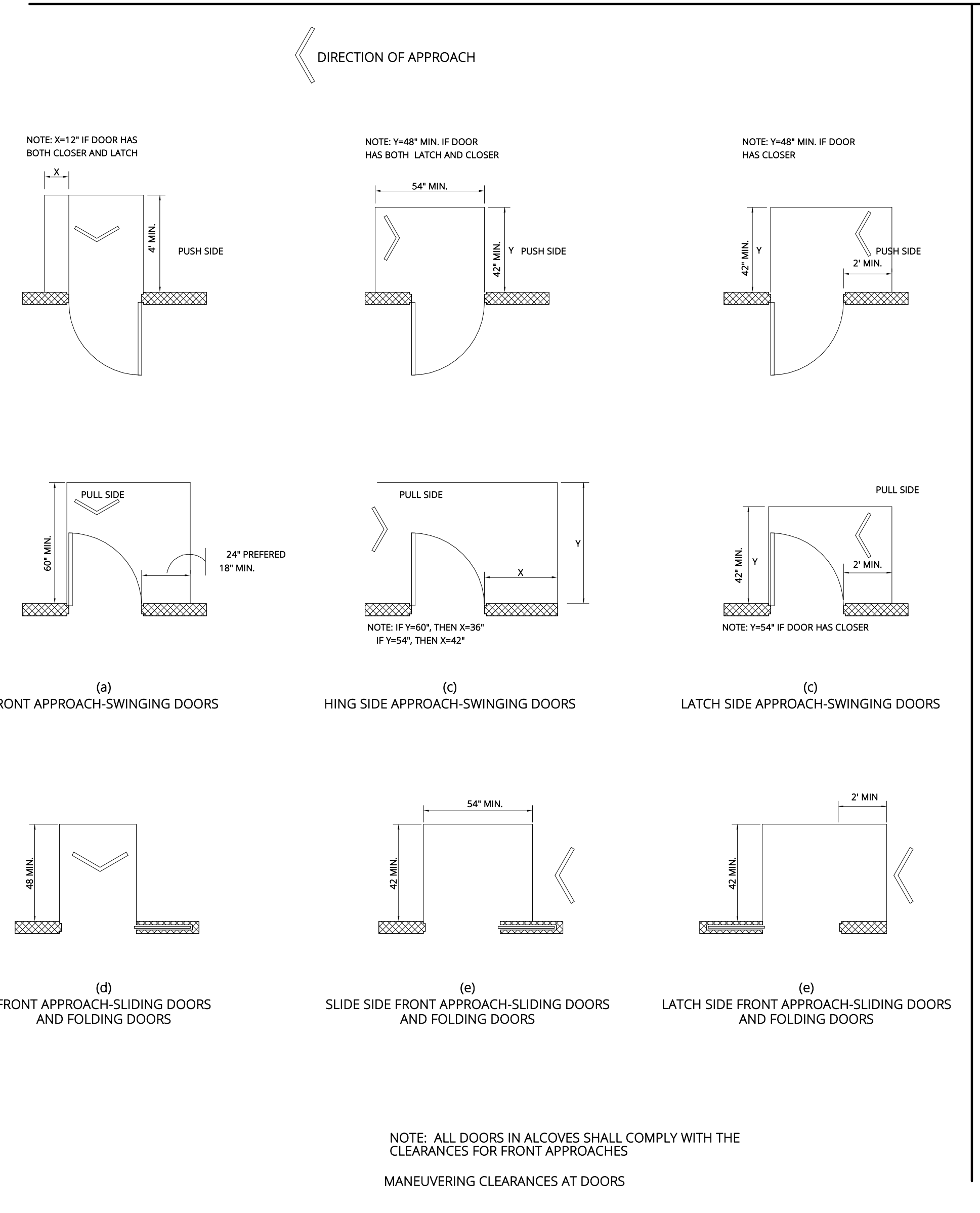
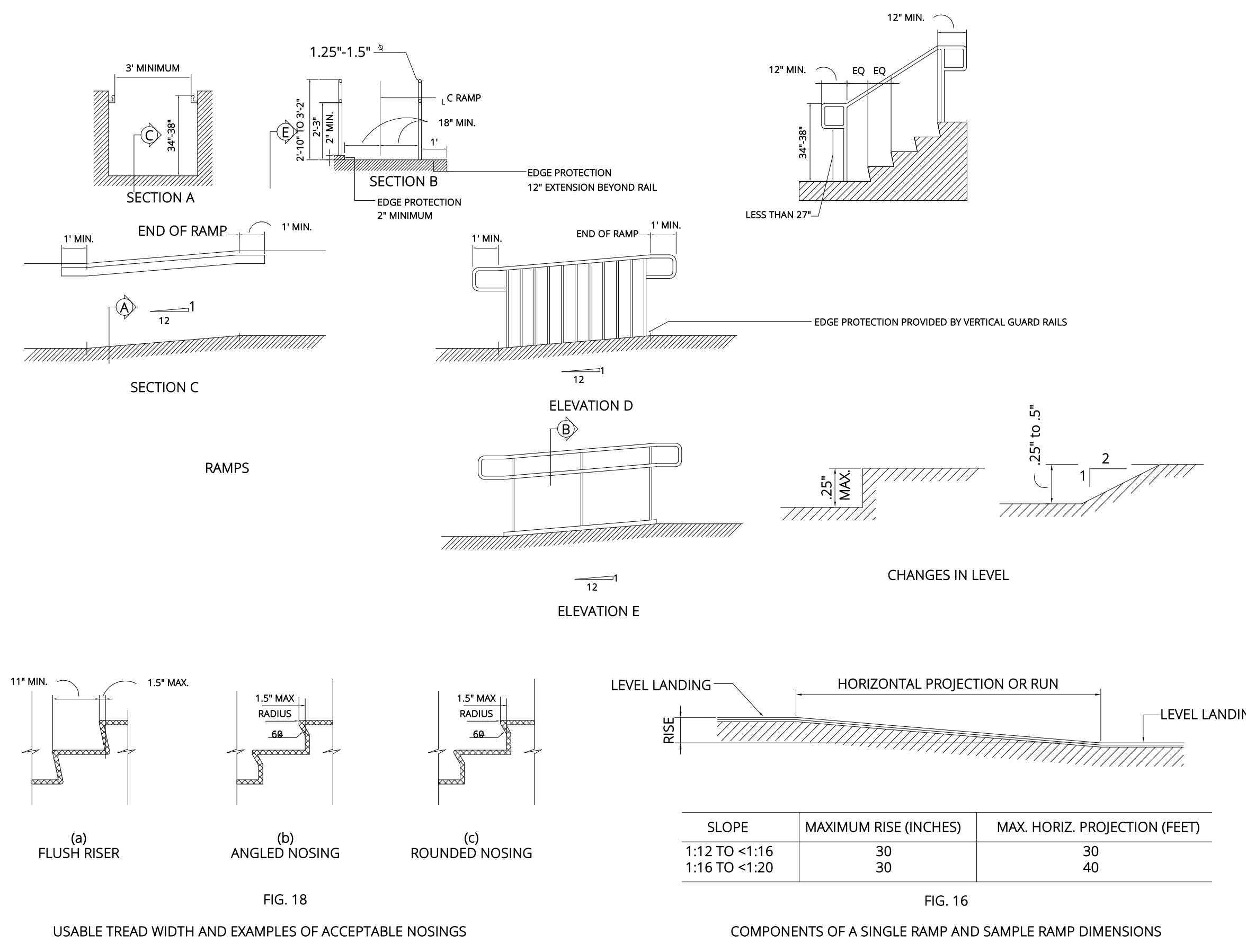
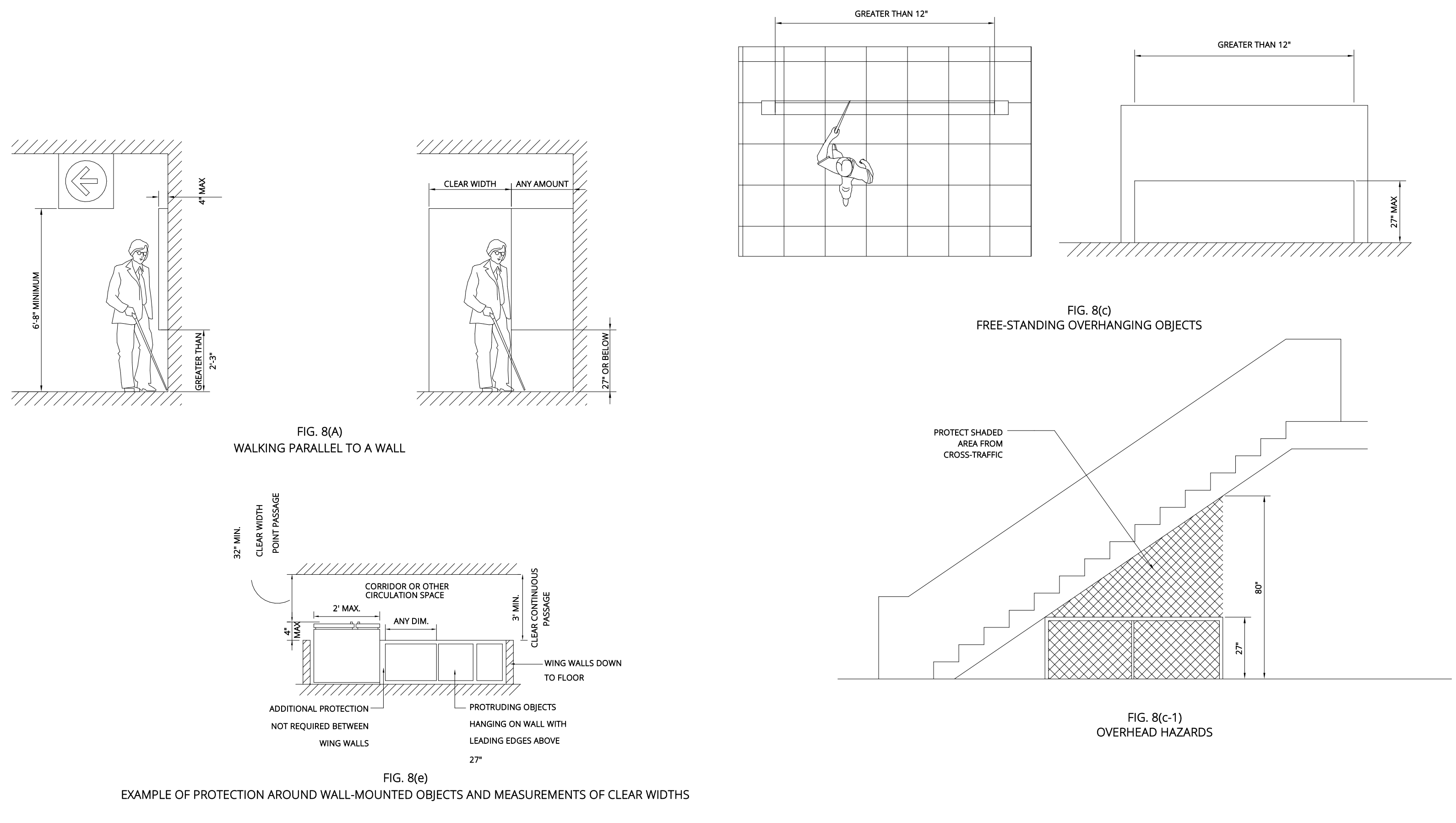


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GENERAL ACCESSIBILITY DETAILS 2

# a003.2

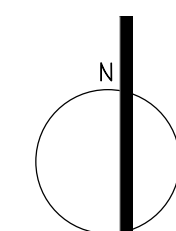
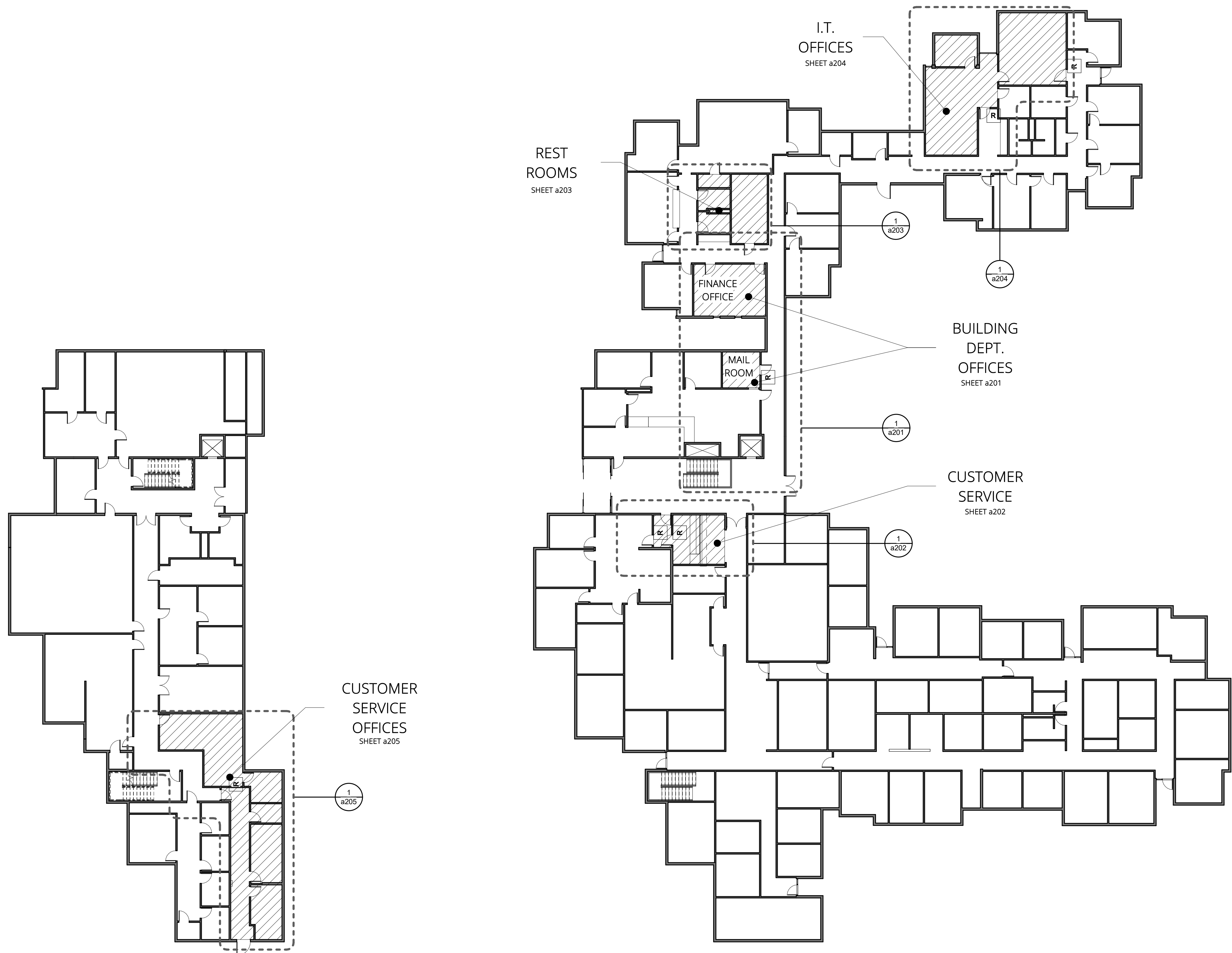
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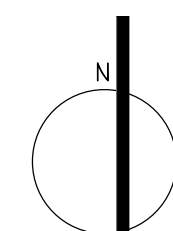
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**OVERALL BASEMENT LEVEL KEY PLAN**

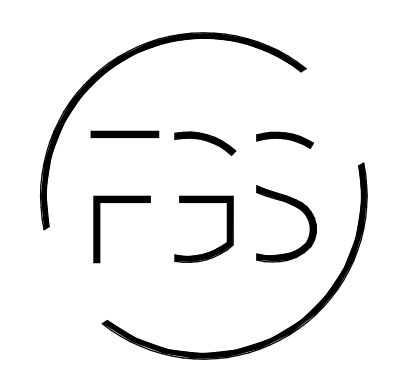
1/16" = 1'-0"



**OVERALL MAIN LEVEL KEY PLAN**

1/16" = 1'-0"

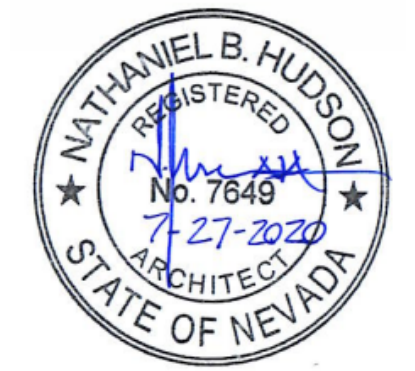
KEY PLANS  
**a200**



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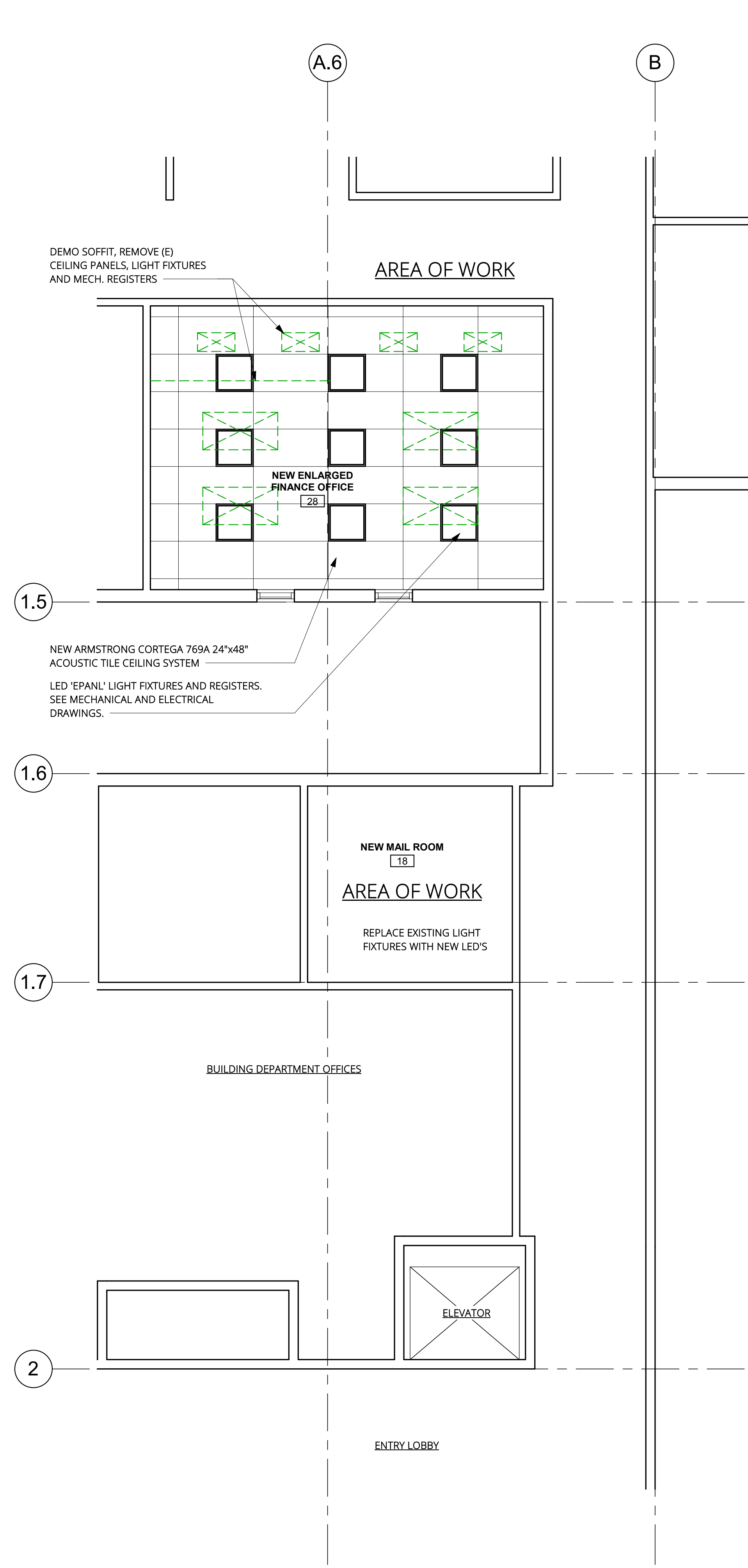
**CITY HALL INTERIOR IMPROVEMENTS**  
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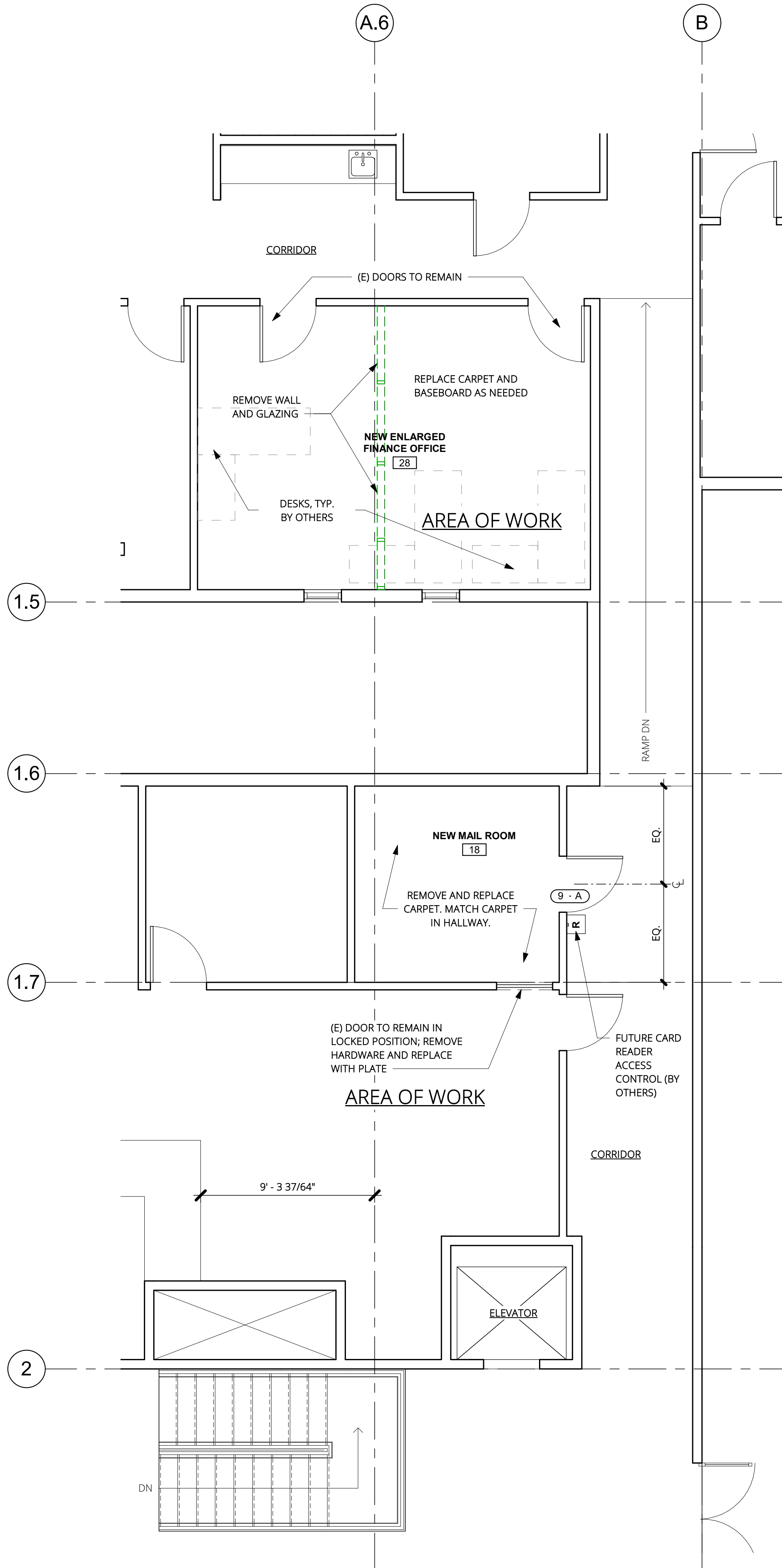


**PERMIT SUBMITTAL**





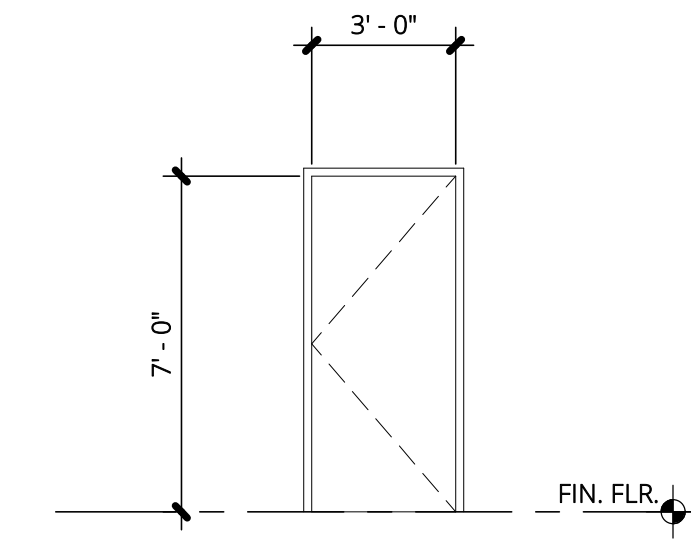
**2 REFLECTED CEILING PLAN - MAIL RM. & FINANCE OFFICE**  
1/4" = 1'-0"



**1 ENLARGED FLOOR PLAN - MAIL RM. & FINANCE OFFICE**  
1/4" = 1'-0"  
REFERENCE - a200 / 1

- PLAN NOTES - NEW FINANCE OFFICE**
- IF DEMOLISHED WALL HAS ANY STRUCTURAL BEARING, INFORM ARCHITECT AND LEAVE THE WALL UNTIL STRUCTURAL ENGINEERING IS PROVIDED.
  - PROVIDE ARCHITECT WITH ANY DIMENSIONAL CHANGES FROM THIS PLAN, INCLUDING ADA CLEARANCES.
  - CONFIRM FINAL LOCATION OF ALL PHONE, ELECTRICAL & DATA LINES WITH OWNER PRIOR TO INSTALLATION. SEE ELECTRICAL SHEETS.
  - THE ENTIRE BUILDING IS NOT REQUIRED TO COMPLY WITH ENERGY REQUIREMENTS OF THE I.E.C.C. THE ALTERATIONS SHALL COMPLY TO THE ENERGY REQUIREMENTS OF THE I.E.C.C. AS THEY RELATE TO ALTERATIONS.
  - ALL DEMOLISHED FIXTURES SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. FURNITURE TO BE REMOVED BY OTHERS.
  - PATCH (E) WALL & GROUT WHERE NEEDED TYPICAL AT EXPOSED EXISTING CONCRETE AND CMU; PAINT PER OWNER SELECTION.
  - ALL DIMENSIONS ARE TAKEN FROM FACE OF NEW STUD OR FACE OF NEW CONCRETE, AND FACE OF EXISTING FINISH TO FACE OF NEW STUD, UNLESS OTHERWISE NOTED.
  - CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE AND VERIFY ALL DIMENSIONS WITH THE DRAWINGS. CONTACT ENGINEER WITH DISCREPANCIES BEFORE CONSTRUCTION OCCURS.
  - REFER TO MEP SHEETS FOR MECHANICAL, PLUMBING, AND/OR ELECTRICAL NOTES.

- FINISH NOTES - NEW FINANCE OFFICE**
- REFER TO GENERAL SPECIFICATIONS SHEET a002.
  - ALL PROJECT WALLS TO BE PAINTED TO MATCH EXISTING UNLESS OTHERWISE INDICATED. PATCHED WALLS TO MATCH EXISTING IN BUILDING MATERIALS, DIMENSIONS, AND COLOR (OWNER SELECTED).
  - REPLACE CEILING WITH NEW ACOUSTICAL TILE CEILING AND NEW LED PANELS.
  - REFER TO DIVISION 9 ON SHEET a002 FOR ADDITIONAL FINISH NOTES.



**MAIL ROOM DOOR ELEVATION**

NEW MAIL ROOM DOOR: 3070 SOLID CORE WOOD, STAIN TO BE SHERWIN WILLIAMS SW3204 "FRUITWOOD" OIL BASED STAIN  
DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT.  
DOOR HARDWARE "H-1"

- PLAN NOTES - MAIL ROOM**
- PATCH WALL WHERE NEW DOOR INSTALLED TO MATCH EXISTING IN BUILDING MATERIALS, DIMENSIONS, TEXTURE, AND COLOR (OWNER SELECTED).
  - PROVIDE ARCHITECT WITH ANY DIMENSIONAL CHANGES FROM THIS PLAN, INCLUDING ADA CLEARANCES.
  - CONFIRM FINAL LOCATION OF ALL PHONE, ELECTRICAL & DATA LINES WITH OWNER PRIOR TO INSTALLATION. SEE ELECTRICAL SHEETS.
  - THE ENTIRE BUILDING IS NOT REQUIRED TO COMPLY WITH ENERGY REQUIREMENTS OF THE I.E.C.C. THE ALTERATIONS SHALL COMPLY TO THE ENERGY REQUIREMENTS OF THE I.E.C.C. AS THEY RELATE TO ALTERATIONS.
  - EXISTING DOOR ON SOUTH WALL TO BE PERMANENTLY LOCKED. DOOR HANDLE TO BE REMOVED AND LOCKSET COVERED WITH ESCUTCHEON PLATES.
  - ALL DIMENSIONS ARE TAKEN FROM FACE OF NEW STUD OR FACE OF NEW CONCRETE, AND FACE OF EXISTING FINISH TO FACE OF NEW STUD, UNLESS OTHERWISE NOTED.
  - DOOR CONTRACTORS TO VERIFY ROUGH OPENINGS PRIOR TO FABRICATION OR ORDERING.
  - CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE AND VERIFY ALL DIMENSIONS WITH THE DRAWINGS. CONTACT ENGINEER WITH DISCREPANCIES BEFORE CONSTRUCTION OCCURS.

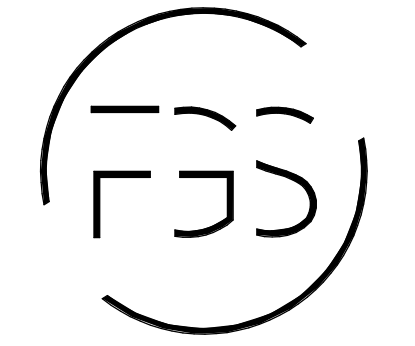
- FINISH NOTES - MAIL ROOM**
- REFER TO GENERAL SPECIFICATIONS SHEET a002.
  - ALL DISTURBED PROJECT WALLS TO BE PAINTED TO MATCH EXISTING UNLESS OTHERWISE INDICATED.
  - ALL DOOR HARDWARE SHALL COMPLY WITH THE REQUIREMENTS OF THE 2010 ADAAG AND ICC/ANSI STANDARDS.
  - ACOUSTIC TILE CEILING TO REMAIN (ONLY LIGHTING TO BE NEW), ANY REPLACEMENT TILES AND/OR GRIDS TO MATCH EXISTING STYLE AND COLOR.

WALL LEGEND	
	WALL TO BE REMOVED
	FIXTURE TO BE REMOVED
	DOOR TO BE REMOVED
	EXISTING WALL TO REMAIN
	NEW WALLS: 3 5/8" METAL STUDS @ 16" O/C WITH 5/8" EACH SIDE, FULL HEIGHT TO CEILING EVERY OTHER STUD TO STRUCTURE ABOVE; R-11 SOUND ATTENUATION BATT INSULATION WHERE INDICATED; 5/8" WATER RESISTANT GYP. BD. IN WET AREAS.

DOOR HARDWARE SCHEDULE	
H-1:	DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT (PROVIDE CLOSER REINFORCEMENT). HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. CLOSING DEVICE: LCN 4040XP SERIES (PARALLEL ARM PUSH SIDE), ALUMINUM FINISH. LATCH: HES 9600 SERIES, SURFACE MOUNTED ELECTRIC STRIKE (COLOR 630) WITH 9000-MTK PLUG-IN BRIDGE RECTIFIER. HANDLE AND LOCK: SCHLAGE N800PD X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, STOREROOM LOCK. ACCESS CONTROL (WHERE INDICATED): INSTALL CONDUIT FROM CEILING TO BOX ON LATCH SIDE FOR FUTURE ACCESS CONTROL READER TO BE STALLED BY OTHERS. ALSO SEE ELECTRICAL. DOOR STD: IVES WALL BUMPER WS406/407-CCV, US26, OR IVES FLOOR MOUNTED.
H-2:	DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT. HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. HANDLE AND LOCK: SCHLAGE N800PD X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, ENTRANCE LOCK. STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE. DOOR STD: IVES WALL BUMPER WS406/407-CCV, US26, OR IVES FLOOR MOUNTED.
H-3:	DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT. HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. HANDLE AND LOCK: SCHLAGE N800PD X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, CLASSROOM LOCK. STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE. KICK PLATE: 9" H X 34" W W/ RIBET INSTALL, SATIN CHROME. CLOSING DEVICE: LCN 4040XP SERIES (PARALLEL ARM PUSH SIDE), ALUMINUM FINISH. DOOR STD: IVES WALL BUMPER WS406/407-CCV, US26, OR IVES FLOOR MOUNTED.

NEW FINANCE OFFICE  
& BUILDING DEPT.  
MAIL ROOM

a201



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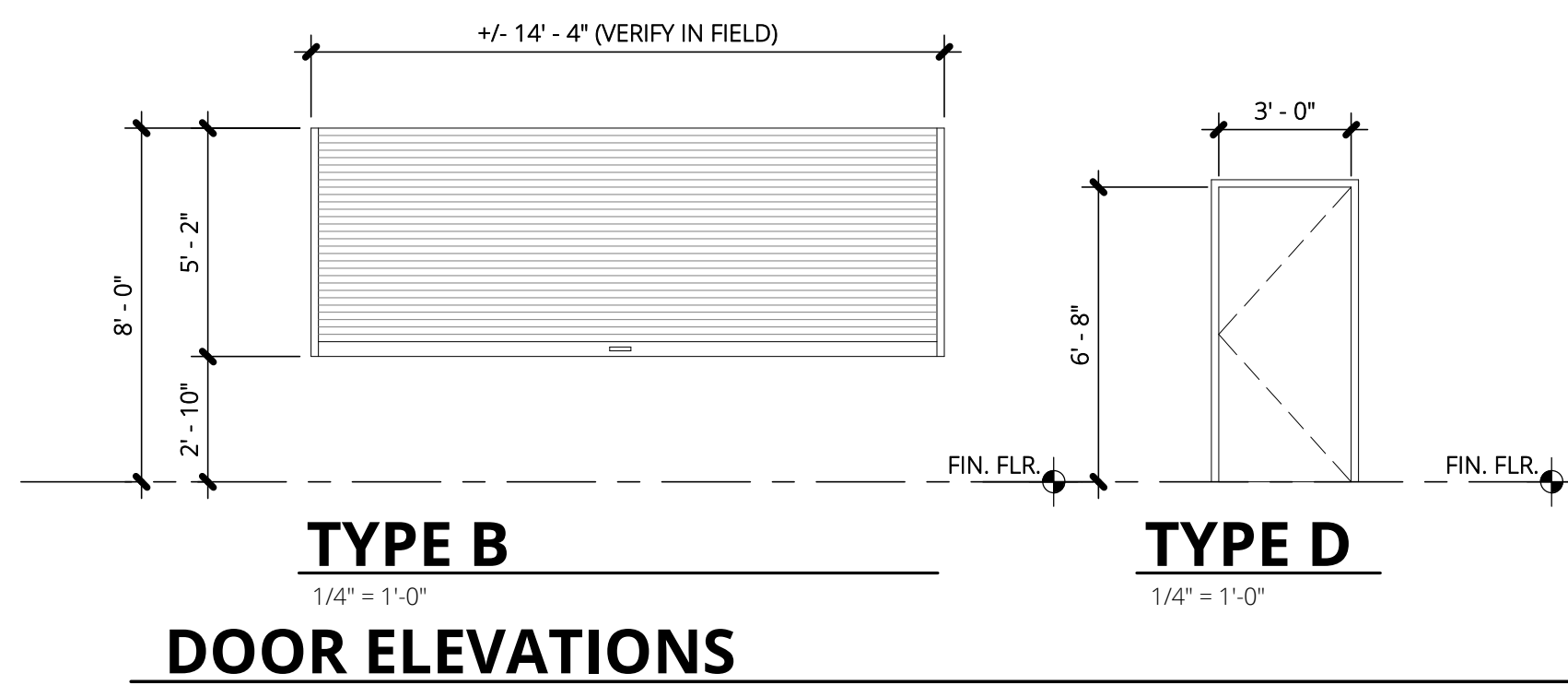
CITY HALL INTERIOR  
IMPROVEMENTS  
City of Sparks

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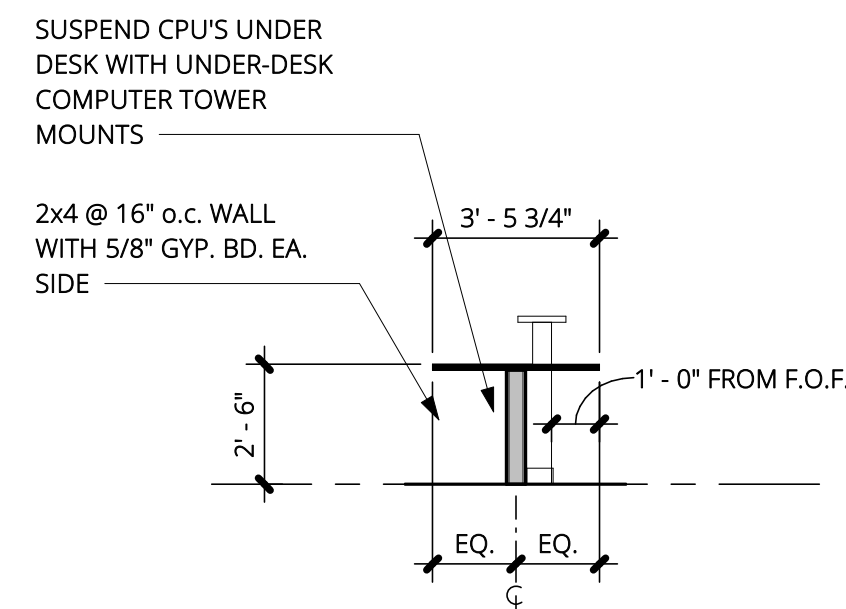


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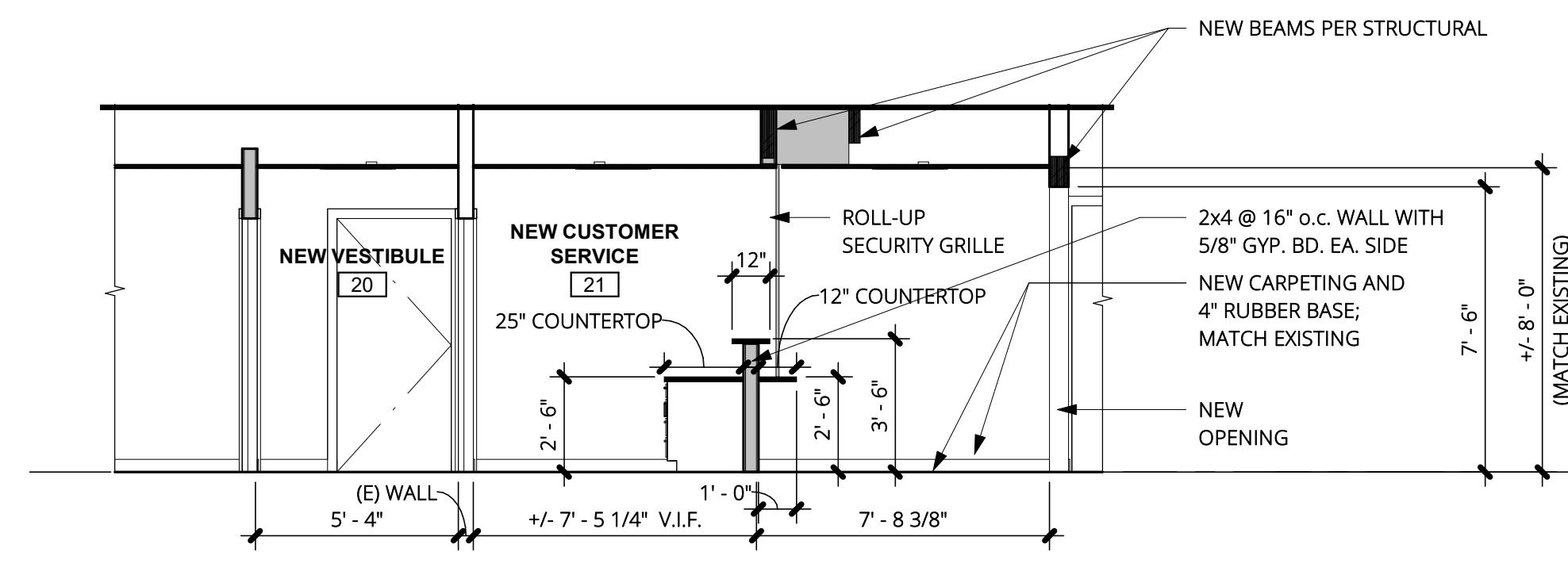




**DOOR ELEVATIONS**



**SECTION THROUGH ADA COUNTER**



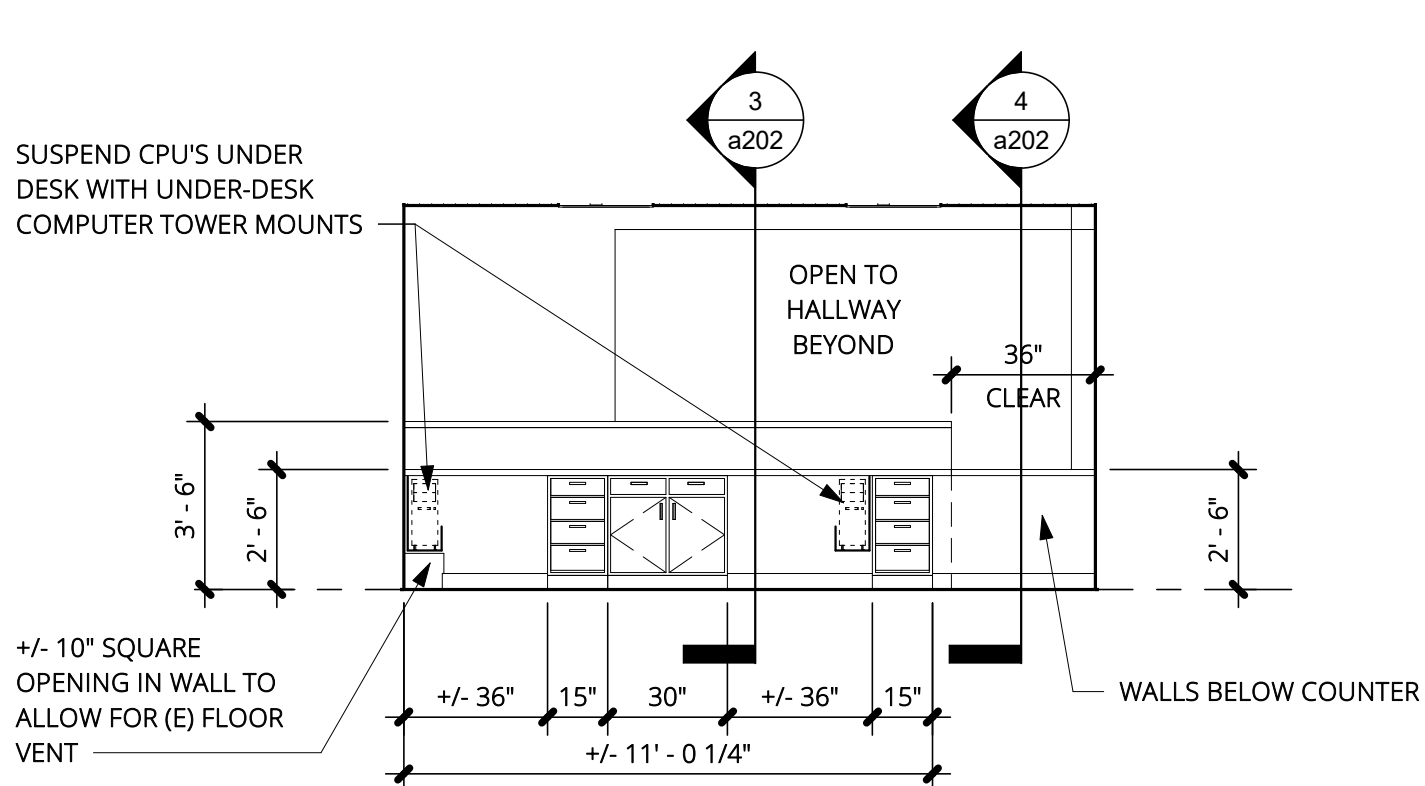
**SECTION THROUGH CUST. SVC. COUNTER**

### WALL LEGEND

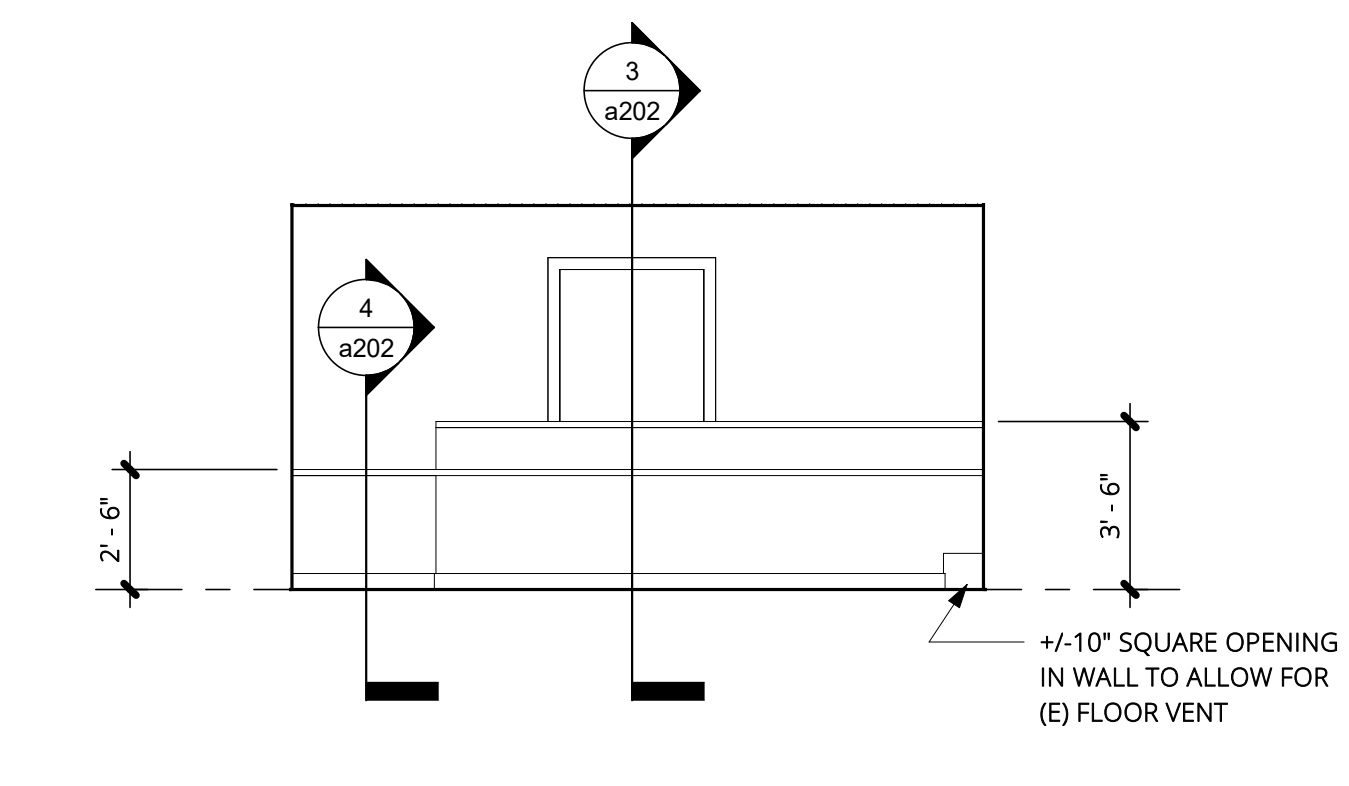
- WALL TO BE REMOVED
- FIXTURE TO BE REMOVED
- DOOR TO BE REMOVED
- EXISTING WALL TO REMAIN
- NEW WALLS: 3 5/8" METAL STUDS @ 16" O/C WITH 5/8" EACH SIDE, FULL HEIGHT TO CEILING EVERY OTHER STUD TO STRUCTURE ABOVE; R-11 SOUND ATTENUATION BATT INSULATION WHERE INDICATED; 5/8" WATER RESISTANT GYP. BD. IN WET AREAS.

### DOOR HARDWARE SCHEDULE

H-1:	DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT (PROVIDE CLOSER REINFORCEMENT). HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. CLOSING DEVICE: LCN 4040XP SERIES (PARALLEL ARM PUSH SIDE), ALUMINUM FINISH. LATCH: HES 9600 SERIES, SURFACE MOUNTED ELECTRIC STRIKE (COLOR 630) WITH 9000-MTK PLUG-IN BRIDGE RECTIFIER. HANDLE AND LOCK: SCHLAGE N809D X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, STOREROOM LOCK. ACCESS CONTROL: (WHERE INDICATED), INSTALL CONDUIT FROM CEILING TO BOX ON LATCH SIDE FOR FUTURE ACCESS CONTROL READER TO BE STALLED BY OTHERS. ALSO SEE ELECTRICAL. DOOR STOP: IVES WALL BUMPER W5406/407-CCV, US26, OR IVES FLOOR MOUNTED.
H-2:	DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT. HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. HANDLE AND LOCK: SCHLAGE N809D X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, ENTRANCE LOCK. STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE. DOOR STOP: IVES WALL BUMPER W5406/407-CCV, US26, OR IVES FLOOR MOUNTED.
H-3:	DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT. HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. HANDLE AND LOCK: SCHLAGE N809D X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, CLASSROOM LOCK. STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE. KICK PLATE: 9" H X 34" W W/ RIBET INSTALL, SATIN CHROME. CLOSING DEVICE: LCN 4040XP SERIES (PARALLEL ARM PUSH SIDE), ALUMINUM FINISH. DOOR STOP: IVES WALL BUMPER W5406/407-CCV, US26, OR IVES FLOOR MOUNTED.



**CUST. SVC. COUNTER - BACK**



**CUST. SVC. COUNTER - FRONT**

- PLAN NOTES - CUSTOMER SERVICE**
- SEE THIS SHEET FOR SCHEDULE OF FINISHES AND DOORS.
  - NEW WALLS TO MATCH EXISTING IN BUILDING MATERIALS AND DIMENSIONS. WALL COLOR WILL BE OWNER SELECTED FOR EACH WALL IN THIS AREA.
  - IF DEMOLISHED WALL HAS ANY STRUCTURAL BEARING, INFORM ARCHITECT AND LEAVE THE WALL UNTIL STRUCTURAL ENGINEERING IS PROVIDED.
  - PROVIDE ARCHITECT WITH ANY DIMENSIONAL CHANGES FROM THIS PLAN, INCLUDING ADA CLEARANCES.
  - CONFIRM FINAL LOCATION OF ALL PHONE, ELECTRICAL & DATA LINES WITH OWNER PRIOR TO INSTALLATION. SEE ELECTRICAL SHEETS.
  - THE ENTIRE BUILDING IS NOT REQUIRED TO COMPLY WITH ENERGY REQUIREMENTS OF THE I.E.C.C., THE ALTERATIONS SHALL COMPLY TO THE ENERGY REQUIREMENTS OF THE I.E.C.C. AS THEY RELATE TO ALTERATIONS.
  - DIRECTIONAL SIGNS SHALL BE ACCESSIBLE AND INCLUDE THE UNIVERSAL SYMBOL OF ACCESSIBILITY.
  - ALL DEMOLISHED FIXTURES SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. FURNITURE TO BE REMOVED BY OTHERS.
  - PATCH (E) WALL & GROUT WHERE NEEDED TYPICAL AT EXPOSED EXISTING CONCRETE AND CMU; PAINT PER SPECIFICATIONS.
  - ALL DIMENSIONS ARE TAKEN FROM FACE OF NEW STUD OR FACE OF NEW CONCRETE, AND FACE OF EXISTING FINISH TO FACE OF NEW STUD, UNLESS OTHERWISE NOTED.
  - DOOR CONTRACTORS TO VERIFY ROUGH OPENINGS PRIOR TO FABRICATION OR ORDERING.
  - CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE AND VERIFY ALL DIMENSIONS WITH THE DRAWINGS. CONTACT ENGINEER WITH DISCREPANCIES BEFORE CONSTRUCTION OCCURS.
  - REFER TO MEP SHEETS FOR MECHANICAL, PLUMBING, AND/OR ELECTRICAL NOTES.

- FINISH NOTES - CUSTOMER SERVICE**
- REFER TO GENERAL SPECIFICATIONS SHEET a202.
  - ALL DOOR HARDWARE SHALL COMPLY WITH THE REQUIREMENTS OF THE 2010 ADAAG AND ICC/ANSI STANDARDS.

**ROOM FINISH SCHEDULE - CUSTOMER SERVICE (SEE FINISH NOTES)**

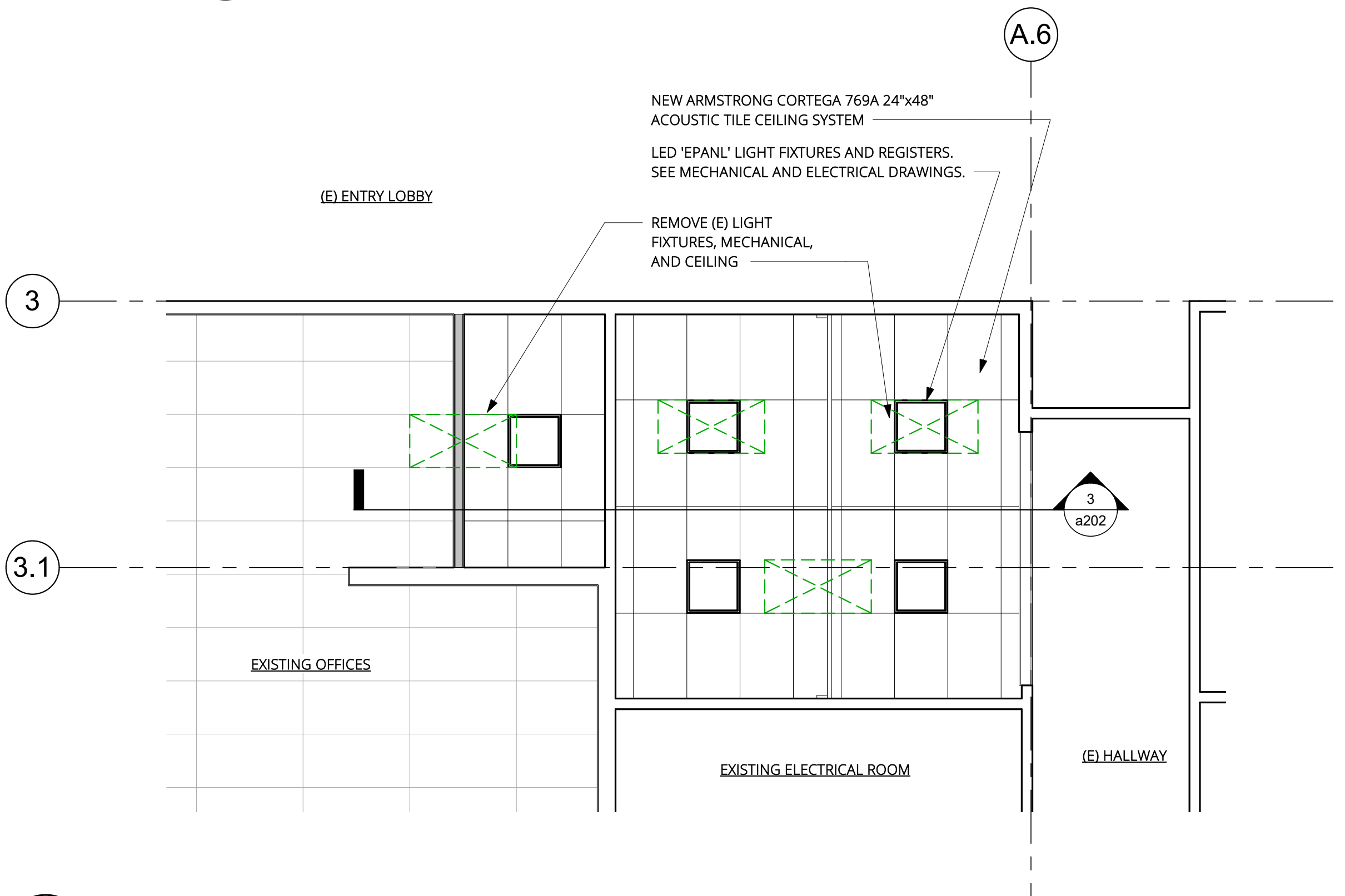
NAME	#	BASE FINISH	CEILING FINISH	FLOOR FINISH	NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL	COMMENTS
NEW VESTIBULE	20	BURKE BLACK/BROWN	AC. TILES	CARPET TILES*	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	
NEW CUSTOMER SERVICE	21	BURKE BLACK/BROWN	AC. TILES	CARPET TILES*	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	

\*CONTRACTOR TO USE SALVAGED CARPET TILES. OWNER WILL PROVIDE ADDITIONAL TILES NEEDED.

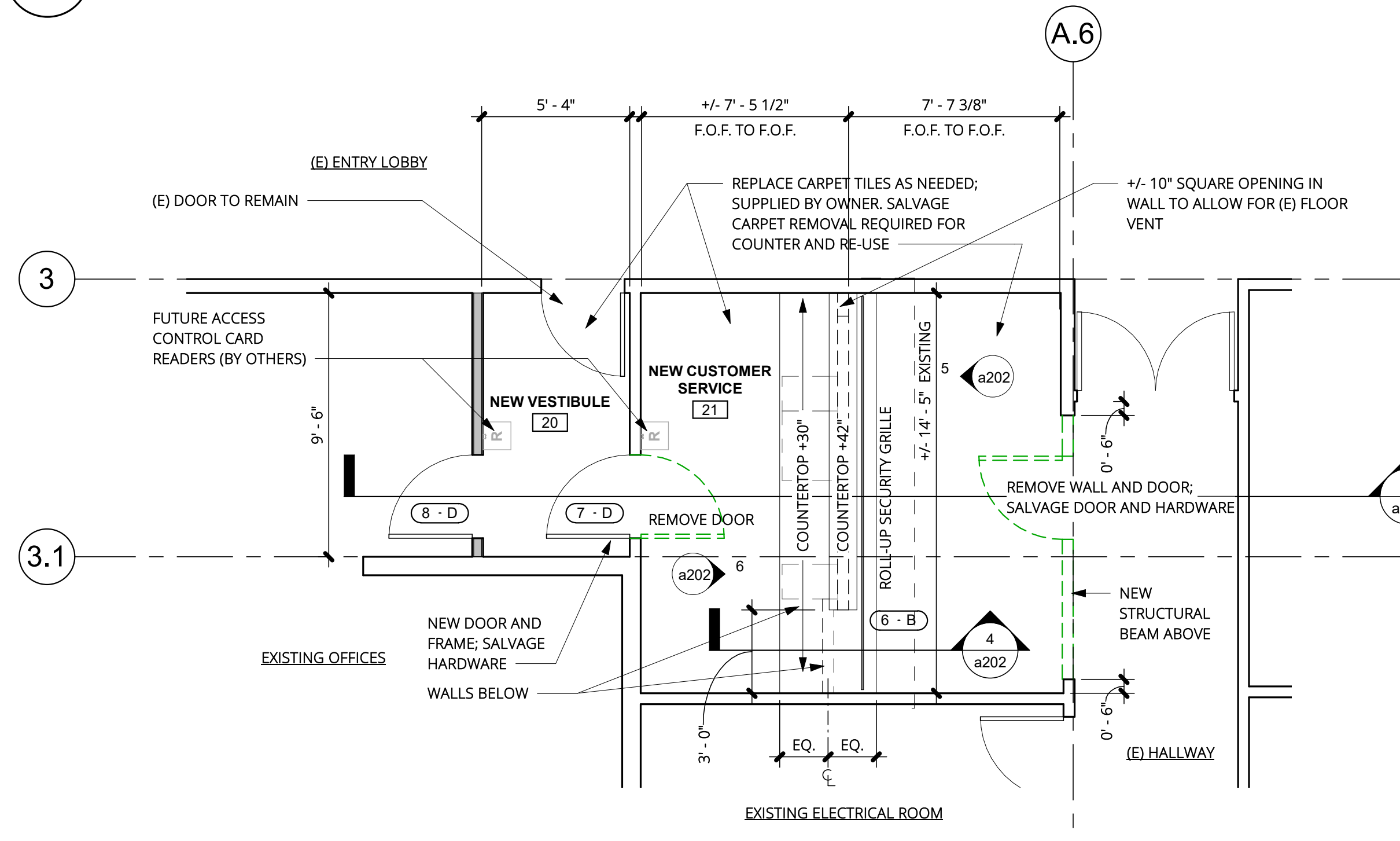
**DOOR SCHEDULE - CUSTOMER SERVICE**

#	TYPE	ROOM #.	WIDTH	HEIGHT	MATERIAL	FINISH	FIRE RATING	HARDWARE	FRAME MATERIAL	FRAME FINISH	COMMENTS
6	B	NEW CUSTOMER SERVICE	14'-2"	5'-7"	TBD	PER MFR		PER MFR	PER MFR	PAINT	OVERHEAD ROLL-UP SECURITY GRILLE*
7	D	NEW VESTIBULE	3'-0"	6'-8"	SOLID CORE WOOD	STAIN		H-1	16 GA. HOLLOW METAL WELDED	PAINT	LOCKSET
8	D	NEW VESTIBULE	3'-0"	6'-8"	SOLID CORE WOOD	STAIN		H-1	16 GA. HOLLOW METAL WELDED	PAINT	LOCKSET

\*ENSURE CORRECT ROUGH OPENING PRIOR TO OVERHEAD DOOR INSTALLATION.



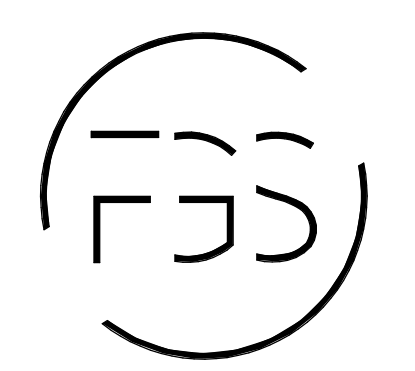
**REFLECTED CEILING PLAN - CUSTOMER SERVICE**



**ENLARGED FLOOR PLAN - CUSTOMER SERVICE**

CLERK/CUSTOMER SERVICE - PLANS, SECTIONS, ELEVATIONS

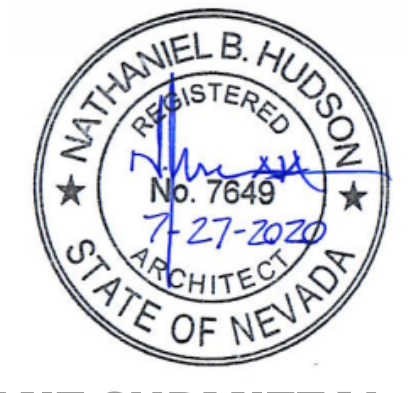
a202



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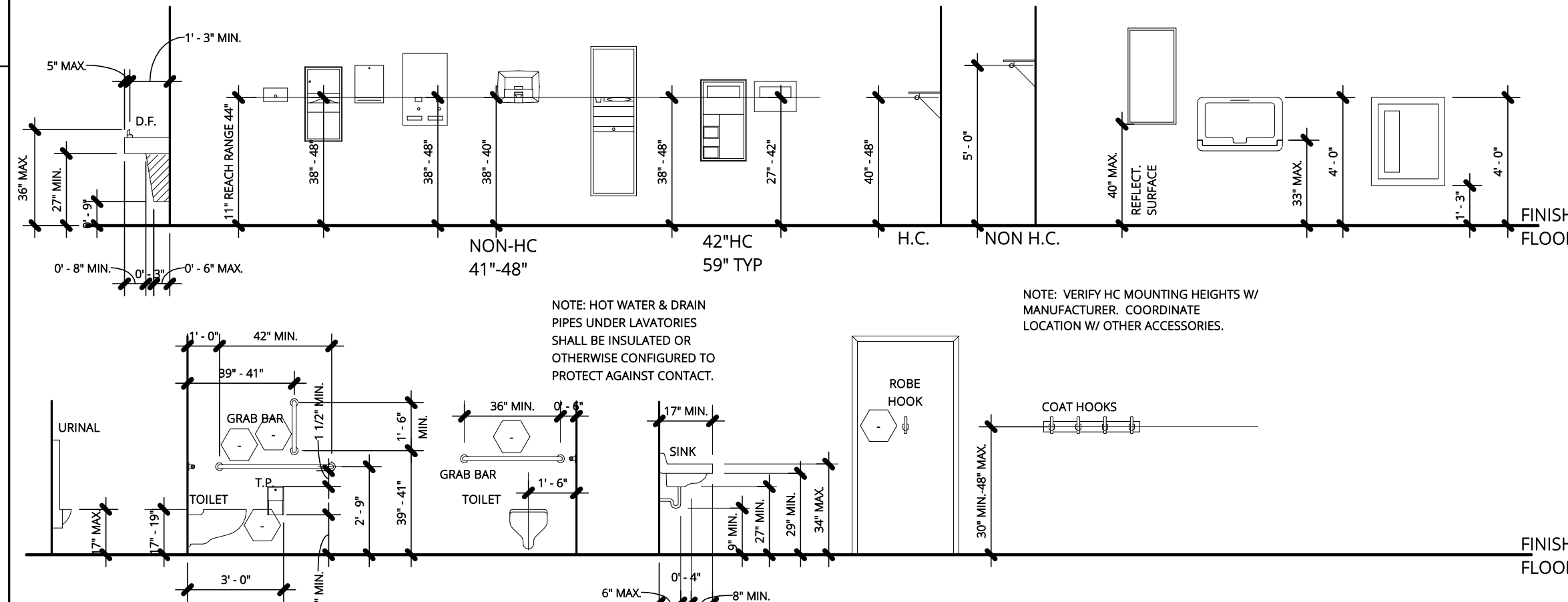
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# ADA ACCESSIBILITY NOTES

- FLUSH CONTROLS:** FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 309. HAND OPERATED FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET, NO MORE THAN 44" ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NOT GREATER THAN 5 POUNDS-FORCE.
- DISPENSERS:** TOILET PAPER DISPENSERS SHALL COMPLY WITH SECTION 309.4. WHERE THE DISPENSER IS LOCATED ABOVE THE GRAB BAR, THE OUTLET OF THE DISPENSER SHALL BE LOCATED WITHIN AN AREA 24" MINIMUM AND 36" MAXIMUM FROM THE REAR WALL. WHERE THE DISPENSER IS LOCATED BELOW THE GRAB BAR, THE OUTLET OF THE DISPENSER SHALL BE LOCATED WITHIN AN AREA 24" MINIMUM AND 42" MAXIMUM FROM THE REAR WALL. THE OUTLET OF THE DISPENSER SHALL BE LOCATED 18" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR. DISPENSERS SHALL COMPLY WITH SECTION 609.3. DISPENSERS SHALL NOT BE OF THE TYPE THAT CONTROL DELIVERY, OR DO NOT ALLOW CONTINUOUS PAPER FLOW.
- SEATS:** SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION. WATER CLOSET SEATS SHALL BE OF SMOOTH, NON-ABSORBENT MATERIAL; SHALL BE OF THE OPEN FRONT TYPE; SHALL BE PROPERLY SIZED FOR THE WATER CLOSET BOWL TYPES. (IPC 420.3)
- WHEELCHAIR ACCESSIBLE COMPARTMENTS:** MINIMUM AREA OF WHEELCHAIR ACCESSIBLE COMPARTMENT SHALL BE 60" MINIMUM IN WIDTH MEASURED PERPENDICULAR TO THE SIDE WALL, AND 56" MINIMUM IN DEPTH FOR WALL HUNG WATER CLOSETS, AND 59" MINIMUM IN DEPTH FOR FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL.
- FAUCETS:** FAUCETS SHALL COMPLY WITH SECTION 309. HAND-OPERATED METERING FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM.
- LAVATORIES WITH ENHANCED REACH RANGE:** WHERE ENHANCED REACH RANGE IS REQUIRED AT LAVATORIES, FAUCETS AND SOAP DISPENSER CONTROLS SHALL HAVE A REACH DEPTH OF 11" MAXIMUM OR, IF AUTOMATIC, SHALL BE ACTIVATED WITHIN A REACH DEPTH 11" MAXIMUM. WATER AND SOAP FLOW SHALL BE PROVIDED WITH A REACH DEPTH OF 11" MAXIMUM.
- GRAB BARS:** GRAB BARS SHALL COMPLY WITH SECTION 609. SIDE WALL GRAB BARS COMPLYING WITH SECTION 604.5.1 LOCATED ON THE WALL CLOSEST TO THE WATER CLOSET, AND A REAR WALL GRAB BAR COMPLYING WITH SECTION 604.5.2 SHALL BE PROVIDED.
- TOILET ROOM FLOORS:** FLOORS SHALL HAVE A STABLE, FIRM, SLIP RESISTANT SURFACE. (UNITED STATES ACCESS BOARD 302.1).
- ACCESSIBILITY REQUIREMENTS:**
  - 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).
  - TOILET TISSUE DISPENSERS: DO NOT USE TOILET TISSUE DISPENSERS THAT CONTROL DELIVERY, OR DO NOT PERMIT CONTINUOUS PAPER FLOW.



## ACCESSORY MOUNTING HEIGHTS - 2010 ADA

1/4" = 1'-0"

ROOM FINISH SCHEDULE - RESTROOMS (SEE FINISH NOTES)							
#	NAME	BASE FINISH	CEILING FINISH	FLOOR FINISH	NORTH WALL	SOUTH WALL	WEST WALL
31	TOILET	6" TILE	PAINTED GYP. BD	CERAMIC TILE	FRP PANELS, FULL HT	FRP PANELS, FULL HT	FRP PANELS, FULL HT
32	TOILET	6" TILE	PAINTED GYP. BD	CERAMIC TILE	FRP PANELS, FULL HT	FRP PANELS, FULL HT	FRP PANELS, FULL HT

RESTROOM EQUIPMENT & ACCESSORIES SCHEDULE

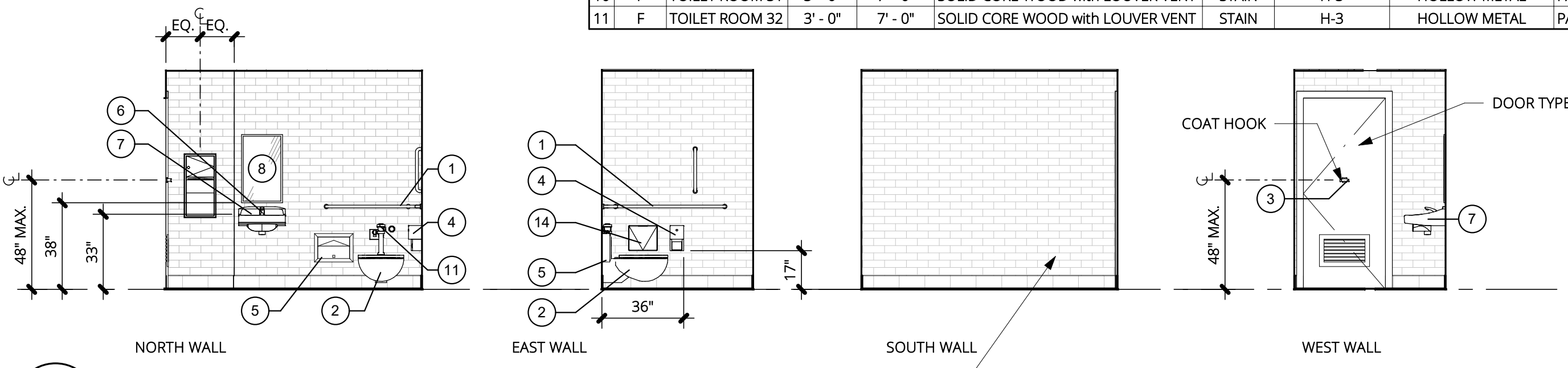
Tag #	Count	Description	Manufacturer	Model	Fixture Finish	Comments
1	2	TWO-WALL COMBO GRAB BAR	BOBRICK	B-5897	TYPE 304 SS, SATIN FINISH	
3	2	SURFACE MOUNTED HOOK	BOBRICK	B-7672	TYPE 304 SS, SATIN FINISH	
4	2	TOILET TISSUE DISPENSER AND UTILITY SHELF	BOBRICK	B-2840	TYPE 304 SS, SATIN FINISH	
5	2	ACCESSIBLE TOILET SEAT COVER DISPENSER (SURFACE MOUNT)	BOBRICK	B-4221	TYPE 304 SS, SATIN FINISH	
8	1	LAVATORY MIRROR	BOBRICK	B-290 1830	TYPE 304 SS, SATIN FINISH	18"x30" STAINLESS STEEL, WELDED FRAME
10	2	SURFACE MOUNTED COMBO TOWEL AND WASTE DISPENSER	BOBRICK	B-43699	TYPE 304 SS, SATIN FINISH	
14	2	SANITARY NAPKIN DISPENSER (RECESSED)	BOBRICK	B-4353	TYPE 304 SS, SATIN FINISH	

PLUMBING FIXTURE SCHEDULE

Tag #	Count	Description	Manufacturer	Fixture Finish	Comments
2	1	ACCESSIBLE WATER CLOSET	SEE SHEET p001	PER MANUFACTURER	PLUMBING
6	2	LAVATORY FAUCET	SEE SHEET p001	POLISHED CHROME	PLUMBING; WITH MIXING VALVE
7	1	ACCESSIBLE LAVATORY SINK (WALL MOUNT)	SEE SHEET p001	PER MANUFACTURER	PLUMBING
9	1	DRINKING FOUNTAIN	ELKAY	PER MANUFACTURER	PLUMBING; BOTTLE FILLING STATION and BI-LEVEL ADA COOLER
11	2	WATER CLOSET FLUSHOMETER ASSEMBLY	SEE SHEET p001	POLISHED CHROME	PLUMBING
12	2	INLINE FLOOR DRAIN TRAP SEALER	SEE SHEET p001		PLUMBING
13	2	FLOOR DRAIN GRATE	SEE SHEET p001		PLUMBING

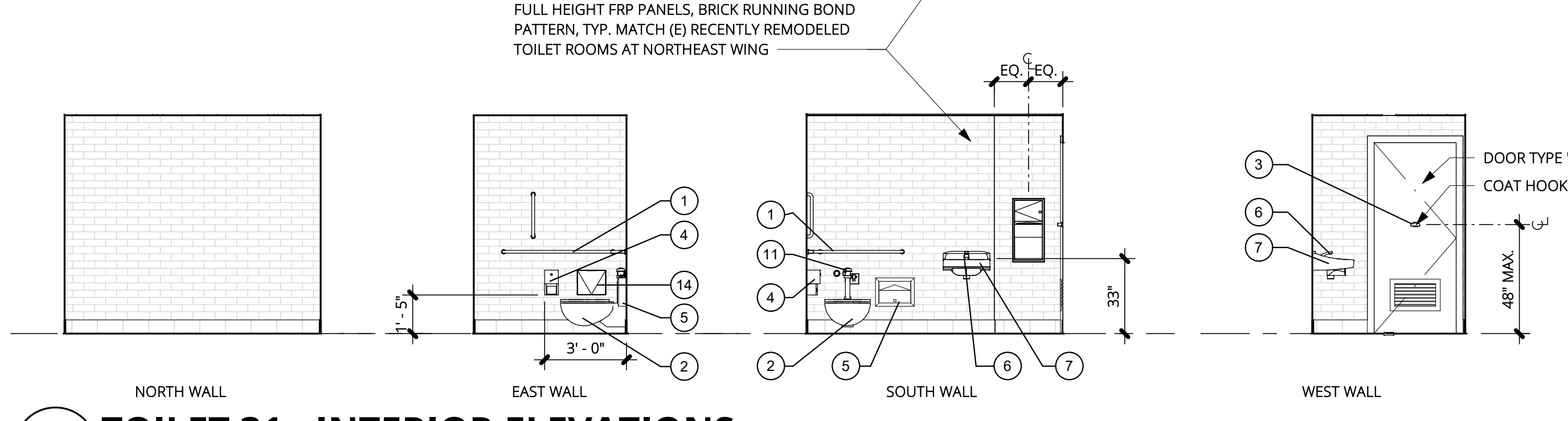
DOOR SCHEDULE - RESTROOMS

#	TYPE	ROOM #	WIDTH	HEIGHT	MATERIAL	FINISH	HARDWARE	FRAME MATERIAL	FRAME FINISH	COMMENTS
10	F	TOILET ROOM 31	3'-0"	7'-0"	SOLID CORE WOOD with LOUVER VENT	STAIN	H-3	HOLLOW METAL	PAINT	DEADBOLT/VACANT OR IN USE LOCK
11	F	TOILET ROOM 32	3'-0"	7'-0"	SOLID CORE WOOD with LOUVER VENT	STAIN	H-3	HOLLOW METAL	PAINT	DEADBOLT/VACANT OR IN USE LOCK



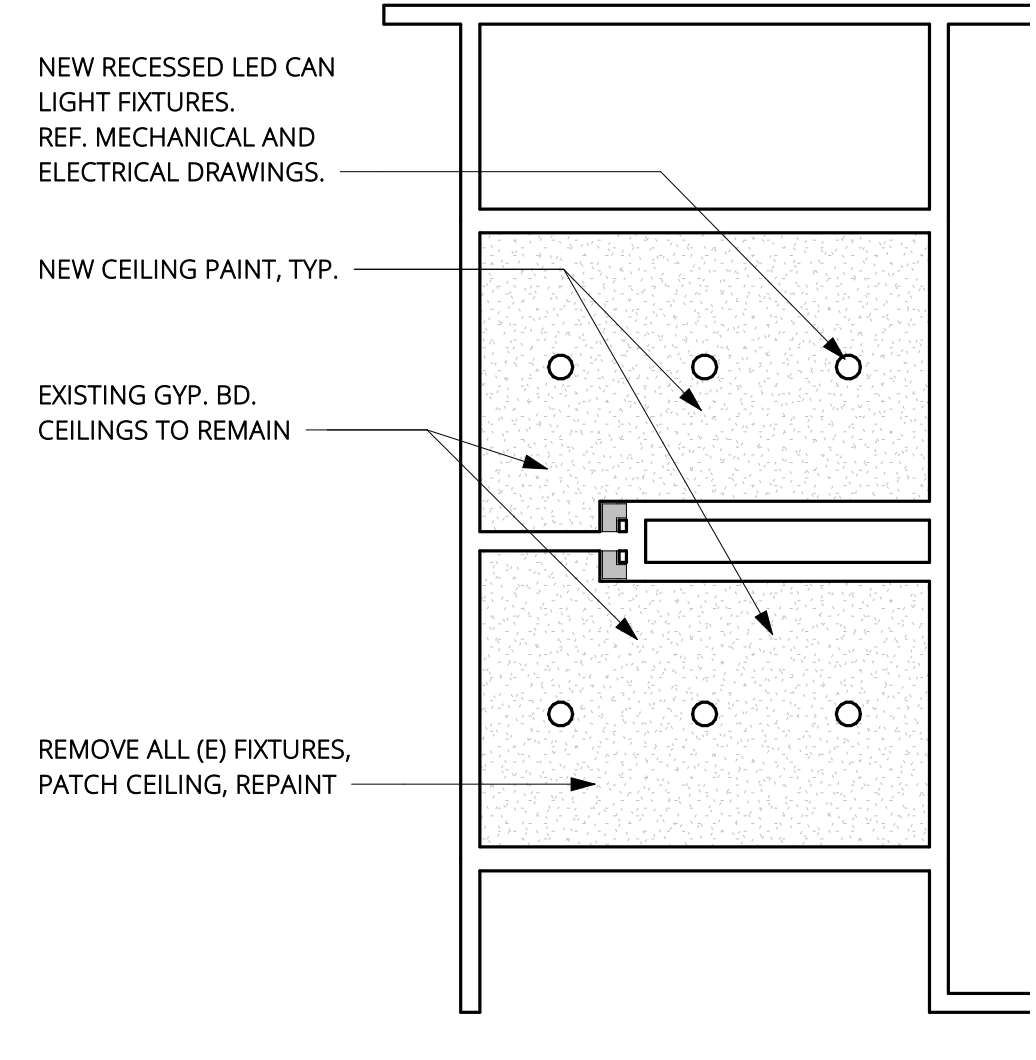
### 4 TOILET 32 - INTERIOR ELEVATIONS

1/4" = 1'-0"



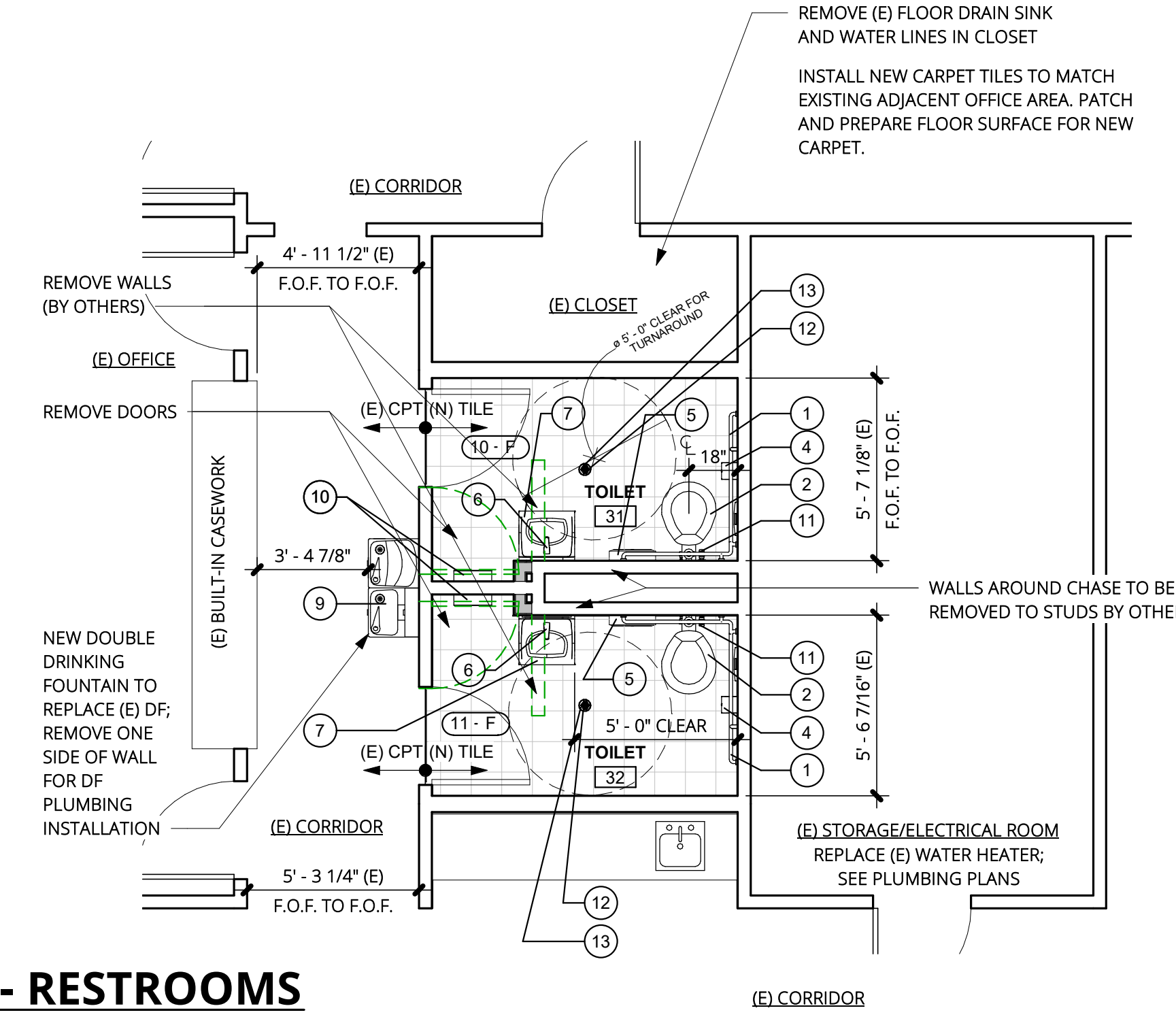
### 3 TOILET 31 - INTERIOR ELEVATIONS

1/4" = 1'-0"



### 2 REFLECTED CEILING PLAN - RESTROOMS

1/4" = 1'-0"



### 1 ENLARGED FLOOR PLAN - RESTROOMS

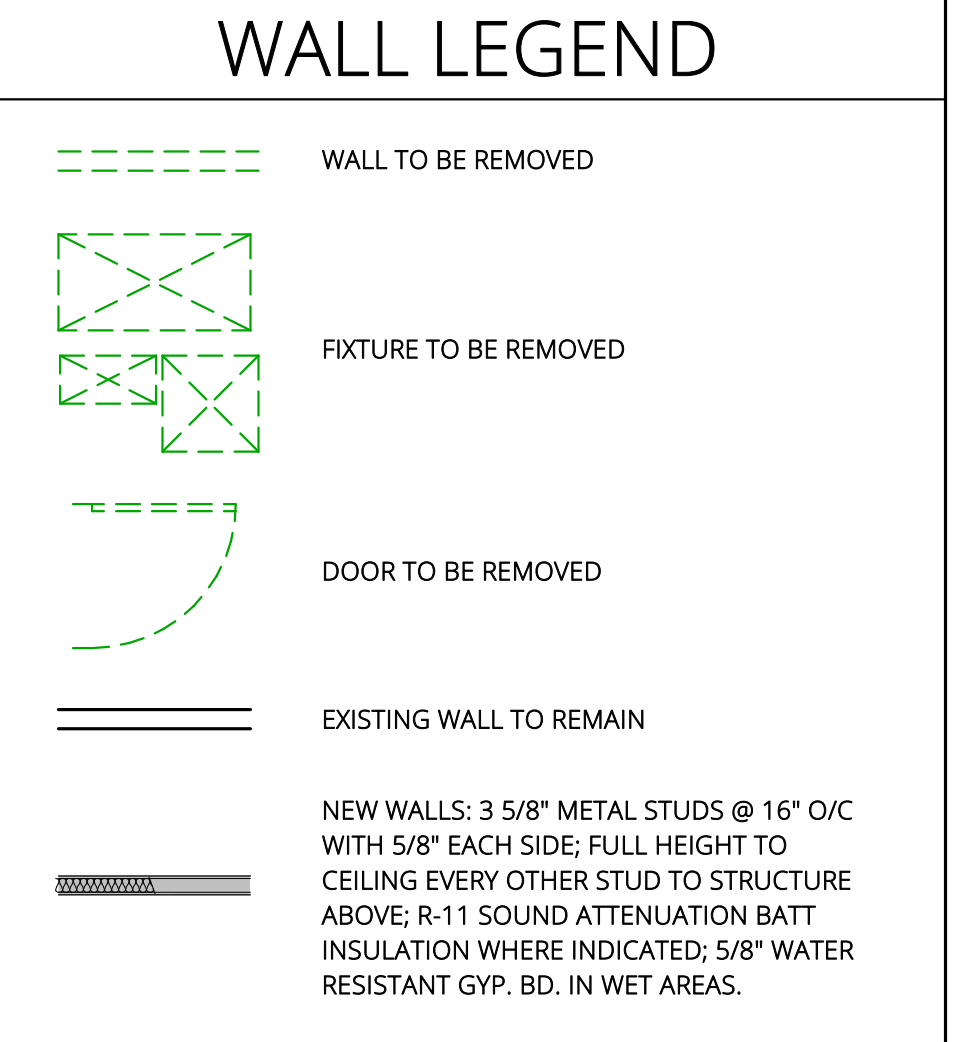
1/4" = 1'-0" REFERENCE - 2/200 / 1

- DEMOLITION NOTES - RESTROOMS (BY OTHERS)**
- REMOVAL OF (E) TILE/CARPET/VCT FLOORING AND COVE BASE AND ANY REQUIRED ASBESTOS AND/OR MOLD ABATEMENT TO BE DONE BY OTHERS AND IS NOT IN THIS PROJECT SCOPE.
  - COMPLETE REMOVAL OF ALL MOUNTED FIXTURES BY OTHERS AND IS NOT IN THIS PROJECT SCOPE. OWNER TO DETERMINE IF REUSED, DISPOSED OR TO BE RETURNED TO OWNER FOR STORAGE. COMPLETE REMOVAL OF WAINSCOT AND MOLDINGS BY OTHERS.
  - DOOR AND DOOR HARDWARE TO BE REMOVED COMPLETELY AND DISPOSED.
  - DRINKING FOUNTAIN TO BE REMOVED BY OTHERS COMPLETELY AND DISPOSED.
  - COMPLETE REMOVAL OF ALL ACCESSORIES BY OTHERS AND IS NOT IN THIS PROJECT SCOPE.
  - ALL DAMAGED SUBFLOOR AND/OR FRAMING TO BE REPLACED BY OTHERS AND IS NOT IN THIS PROJECT SCOPE.

- FINISH NOTES - RESTROOMS**
- REFER TO GENERAL SPECIFICATIONS SHEET a002.
  - ALL FLOOR TILE TO MATCH EXISTING COLOR AND TEXTURE (IN EXISTING REMODELED COMMUNITY SERVICES RESTROOMS IN ADJACENT BUILDING) UNLESS OTHERWISE INDICATED.

- FINISHES - RESTROOMS (MATCH EXISTING REMODELED TOILET ROOMS)**
- TILE:** MANUFACTURER AND LINE: DALTILE FLOOR TILE: COLOR "GRIS LINEN" - UNPOLISHED GLAZED PAVER TILE, SIZE: 12" X 24". PATTERN: INSTALL IN RUNNING-BOND PATTERN IN NORTH/SOUTH DIRECTION COVE BASE: GLAZED TILE. MATCH EXISTING REMODELED TOILET ROOM. COLOR: #0109, "ARCHITECTURAL GRAY", SIZE: 6" X 6".
  - WALLS:** FRP, MARLITE, SYMMETRIX WITH SANI-COAT SUBWAY C100-G63 WHITE OR APPROVED EQUAL.
  - CEILING AND DOOR FRAME PAINT:** SHERWIN-WILLIAMS SW1641 WHITE ORGANDY PROMAR 400 ZERO SEMI-GLOSS.
- PROVIDE ADA COMPLIANT FLOORING TRANSITIONS AS SPECIFIED AT ALL FLOORING TRANSITION AREAS.
  - SEE ELEVATIONS AND ACCESSIBILITY PLANS FOR MOUNTING HEIGHTS.
  - REMOINT EXISTING WASTE LINES TO NEW LOCATIONS AS INDICATED.
  - REMOINT EXISTING DOMESTIC HOT AND COLD WATER LINES TO NEW LOCATIONS.
  - ALL DOOR HARDWARE SHALL COMPLY WITH THE REQUIREMENTS OF THE 2010 ADAAG AND ICC/ANSI STANDARDS.

- PLAN NOTES - RESTROOMS**
- SEE THIS SHEET FOR SCHEDULE OF FIXTURES AND ACCESSORIES.
  - NEW WALLS TO MATCH EXISTING IN BUILDING MATERIALS AND DIMENSION
  - CONTRACTOR TO PREP EXISTING FLOOR FOR NEW TILE.
  - IF DEMOLISHED WALL HAS ANY STRUCTURAL BEARING, INFORM ARCHITECT AND LEAVE THE WALL UNTIL STRUCTURAL ENGINEERING IS PROVIDED.
  - PROVIDE ARCHITECT WITH ANY DIMENSIONAL CHANGES FROM THIS PLAN, INCLUDING ADA CLEARANCES.
  - ELEVATIONS FOR EACH TOILET ROOM ARE TYPICALLY THE SAME DIMENSIONS AND CONFIGURATIONS.
  - THE ENTIRE BUILDING IS NOT REQUIRED TO COMPLY WITH ENERGY REQUIREMENTS OF THE I.E.C.C. THE ALTERATIONS SHALL COMPLY TO THE ENERGY REQUIREMENTS OF THE I.E.C.C. AS THEY RELATE TO ALTERATIONS.
  - WHERE BUILT IN STORAGE ELEMENTS ARE PROVIDED, AT LEAST ONE SHALL COMPLY WITH (2009) ICC A117.1.
  - WHERE PROVIDED, COAT HOOKS AND SHELVES IN TOILET ROOMS AND DRESSING AREAS, AT LEAST ONE TYPE SHALL BE ACCESSIBLE AND PROVIDED IN ACCESSIBLE TOILET ROOMS AND DRESSING AREAS.
  - CONTROLS, OPERATING MECHANISMS, AND HARDWARE FOR OPERATION BY OCCUPANTS IN ACCESSIBLE SPACES, ALONG ACCESSIBLE ROUTES, OR PART OF ACCESSIBLE ELEMENTS SHALL BE ACCESSIBLE.
  - DIRECTIONAL SIGNS SHALL BE ACCESSIBLE AND INCLUDE THE UNIVERSAL SYMBOL OF ACCESSIBILITY.
  - ALL DIMENSIONS ARE TAKEN FROM FACE OF NEW STUD OR FACE OF NEW CONCRETE, AND FACE OF EXISTING FINISH TO FACE OF NEW STUD, UNLESS OTHERWISE NOTED.
  - WINDOW AND DOOR CONTRACTORS TO VERIFY ROUGH OPENINGS PRIOR TO FABRICATION OR ORDERING. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE AND VERIFY ALL DIMENSIONS WITH THE DRAWINGS. CONTACT ENGINEER WITH DISCREPANCIES BEFORE CONSTRUCTION OCCURS.
  - INSTALLATION:
    - 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.
    - INSTALL ACCESSORIES IN LOCATIONS, AND AT HEIGHTS INDICATED ON DRAWINGS.
    - 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.
    - 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 MANUFACTURERS' WRITTEN INSTRUCTIONS FOR THE SUBSTRATE INDICATED.
    - INSTALL GRAB BARS TO WITHSTAND DOWNWARD LOAD OF AT LEAST 250 LB-FT (1112 N), TESTED ACCORDING TO METHOD IN ASTM F446.
  - ADJUSTING AND CLEANING:
    - ADJUST ACCESSORIES FOR UNENCUMBERED, SMOOTH OPERATION, AND VERIFY THAT MECHANISMS FUNCTION PROPERLY. REPLACE DAMAGED OR DEFECTIVE ITEMS.
    - REMOVE TEMPORARY LABELS AND PROTECTIVE COATINGS.
    - 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.
  - CONTRACTOR TO PROTECT AND MAINTAIN EXISTING CORRIDOR. FIXTURES TO REMAIN AND ALL FINISHES THROUGHOUT THE CONSTRUCTION.
  - INSTALL NEW MAIN COLD WATER SHUT-OFF VALVE FOR PROJECT AREA IN ADJACENT ELECTRICAL ROOM NEAR WATER HEATER.
  - REFER TO MEP SHEETS FOR MECHANICAL, PLUMBING, AND/OR ELECTRICAL NOTES.

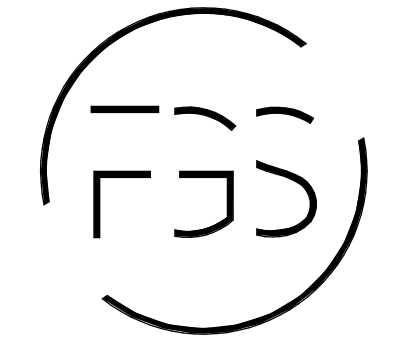


**DOOR HARDWARE SCHEDULE**

H-1:	DOOR FRAME: STEEL CRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT (PROVIDE CLOSER REINFORCEMENT). HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. CLOSING DEVICE: LCN 4040XP SERIES (PARALLEL ARM PUSH SIDE), ALUMINUM FINISH. LATCH: HES 9600 SERIES, SURFACE MOUNTED ELECTRIC STRIKE (COLOR 630) WITH 9000-MTK PLUG-IN BRIDGE RECTIFIER. HANDLE AND LOCK: SCHLAGE N8090P X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, STOREROOM LOCK. ACCESS CONTROL DEVICE INDICATED; INSTALL CONDUIT FROM CEILING TO BOX ON LATCH SIDE FOR FUTURE ACCESS CONTROL. READER TO BE STALLED BY OTHERS. ALSO SEE ELECTRICAL. DOOR STJD: IVES WALL BUMPER W5406/407-CCV, US26, OR IVES FLOOR MOUNTED.
H-2:	DOOR FRAME: STEEL CRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT. HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. HANDLE AND LOCK: SCHLAGE N8090P X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, ENTRANCE LOCK. STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE. DOOR STJD: IVES WALL BUMPER W5406/407-CCV, US26, OR IVES FLOOR MOUNTED.
H-3:	DOOR FRAME: STEEL CRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT. HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. HANDLE AND LOCK: SCHLAGE N8090P X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, CLASSROOM LOCK. STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE. KICK PLATE: 8" H X 34" W W/ RIBET INSTALL, SATIN CHROME. CLOSING DEVICE: LCN 4040XP SERIES (PARALLEL ARM PUSH SIDE), ALUMINUM FINISH. DOOR STJD: IVES WALL BUMPER W5406/407-CCV, US26, OR IVES FLOOR MOUNTED.

RESTROOMS - PLANS, SECTIONS, ELEVATIONS

a203



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City of Sparks

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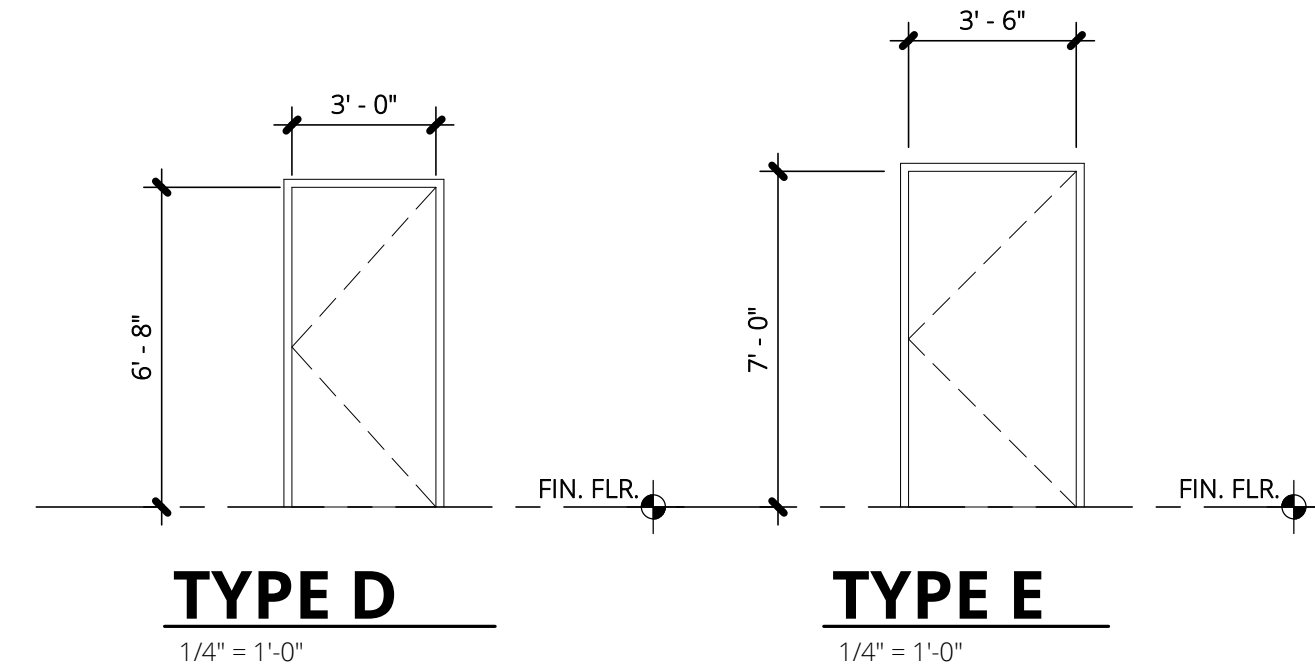
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ROOM FINISH SCHEDULE - I.T. OFFICES (SEE FINISH NOTES)									
NAME	#	BASE FINISH	CEILING FINISH	FLOOR FINISH	NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL	COMMENTS
NEW I.T. OFFICE	29		AC. TILES	CARPET TILES*	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	
NEW I.T. OPEN OFFICE	30		AC. TILES	CARPET TILES*	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	

\*REPLACE EXISTING CARPET WITH CARPET TILES

DOOR SCHEDULE - I.T. OFFICES											
#	TYPE	ROOM #	WIDTH	HEIGHT	MATERIAL	FINISH	FIRE RATING	HARDWARE	FRAME MATERIAL	FRAME FINISH	COMMENTS
12	D	NEW I.T. OPEN OFFICE ENTRY	3'-0"	6'-8"	SOLID CORE WOOD	STAIN		H-1	EXISTING HOLLOW METAL	PAINT	SECURITY WITH SELF-CLOSER
13	D	NEW I.T. OFFICE	3'-0"	6'-8"	SOLID CORE WOOD	STAIN		H-2	16 GA. HOLLOW METAL WELDED	PAINT	LOCKSET
14	E	NEW I.T. SERVER ROOM	3'-6"	7'-0"	SOLID CORE WOOD	STAIN		H-1	16 GA. HOLLOW METAL WELDED	PAINT	SECURITY WITH SELF-CLOSER



**DOOR ELEVATIONS**

**PLAN NOTES - I.T. OFFICES**

- NEW WALLS TO MATCH EXISTING IN BUILDING MATERIALS, DIMENSIONS, AND COLOR (OWNER SELECTED).
- IF DEMOLISHED WALL HAS ANY STRUCTURAL BEARING, INFORM ARCHITECT AND LEAVE THE WALL UNTIL STRUCTURAL ENGINEERING IS PROVIDED.
- PROVIDE ARCHITECT WITH ANY DIMENSIONAL CHANGES FROM THIS PLAN, INCLUDING ADA CLEARANCES.
- CONFIRM FINAL LOCATION OF ALL PHONE, ELECTRICAL & DATA LINES WITH OWNER PRIOR TO INSTALLATION. SEE ELECTRICAL PLANS.
- THE ENTIRE BUILDING IS NOT REQUIRED TO COMPLY WITH ENERGY REQUIREMENTS OF THE I.E.C.C. THE ALTERATIONS SHALL COMPLY TO THE ENERGY REQUIREMENTS OF THE I.E.C.C. AS THEY RELATE TO ALTERATIONS.
- DIRECTIONAL SIGNS SHALL BE ACCESSIBLE AND INCLUDE THE UNIVERSAL SYMBOL OF ACCESSIBILITY.
- ALL DEMOLISHED FIXTURES SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. FURNITURE TO BE REMOVED BY OTHERS.
- PATCH (E) WALL & GROUT WHERE NEEDED TYPICAL AT EXPOSED EXISTING CONCRETE AND CMU; PAINT PER SPECIFICATIONS.
- ALL DIMENSIONS ARE TAKEN FROM FACE OF NEW STUD OR FACE OF NEW CONCRETE, AND FACE OF EXISTING FINISH TO FACE OF NEW STUD, UNLESS OTHERWISE NOTED.
- DOOR CONTRACTORS TO VERIFY ROUGH OPENINGS PRIOR TO FABRICATION OR ORDERING.
- CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE AND VERIFY ALL DIMENSIONS WITH THE DRAWINGS. CONTACT ENGINEER WITH DISCREPANCIES BEFORE CONSTRUCTION OCCURS.
- REFER TO MEP SHEETS FOR MECHANICAL, PLUMBING, AND/OR ELECTRICAL NOTES.

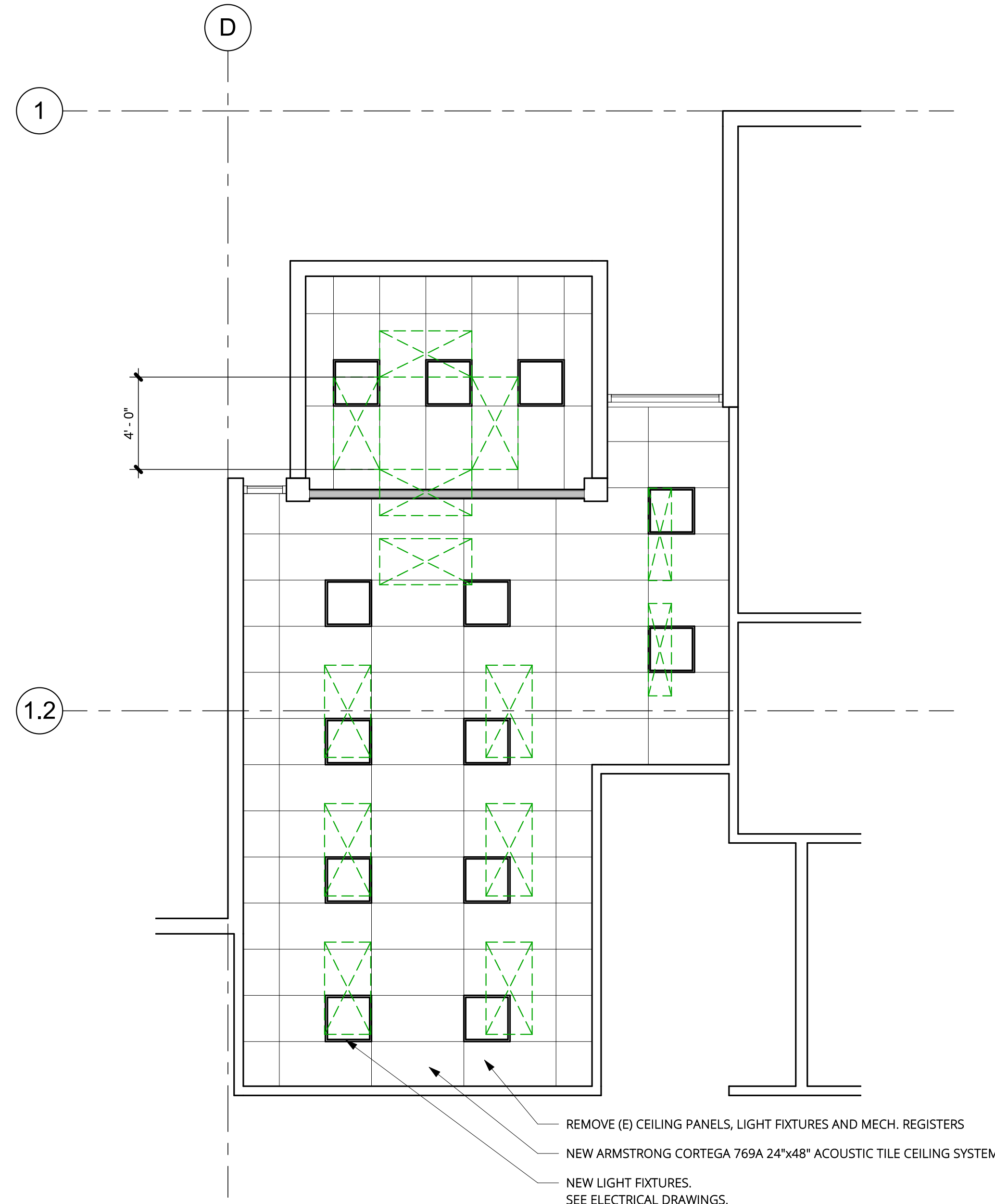
WALL LEGEND	
	WALL TO BE REMOVED
	FIXTURE TO BE REMOVED
	DOOR TO BE REMOVED
	EXISTING WALL TO REMAIN
	NEW WALLS: 3 5/8" METAL STUDS @ 16" O/C WITH 5/8" EACH SIDE; FULL HEIGHT TO CEILING EVERY OTHER STUD TO STRUCTURE ABOVE; R-11 SOUND ATTENUATION BATT INSULATION WHERE INDICATED; 5/8" WATER RESISTANT GYP. BD. IN WET AREAS.

**FINISH NOTES - I.T. OFFICES**

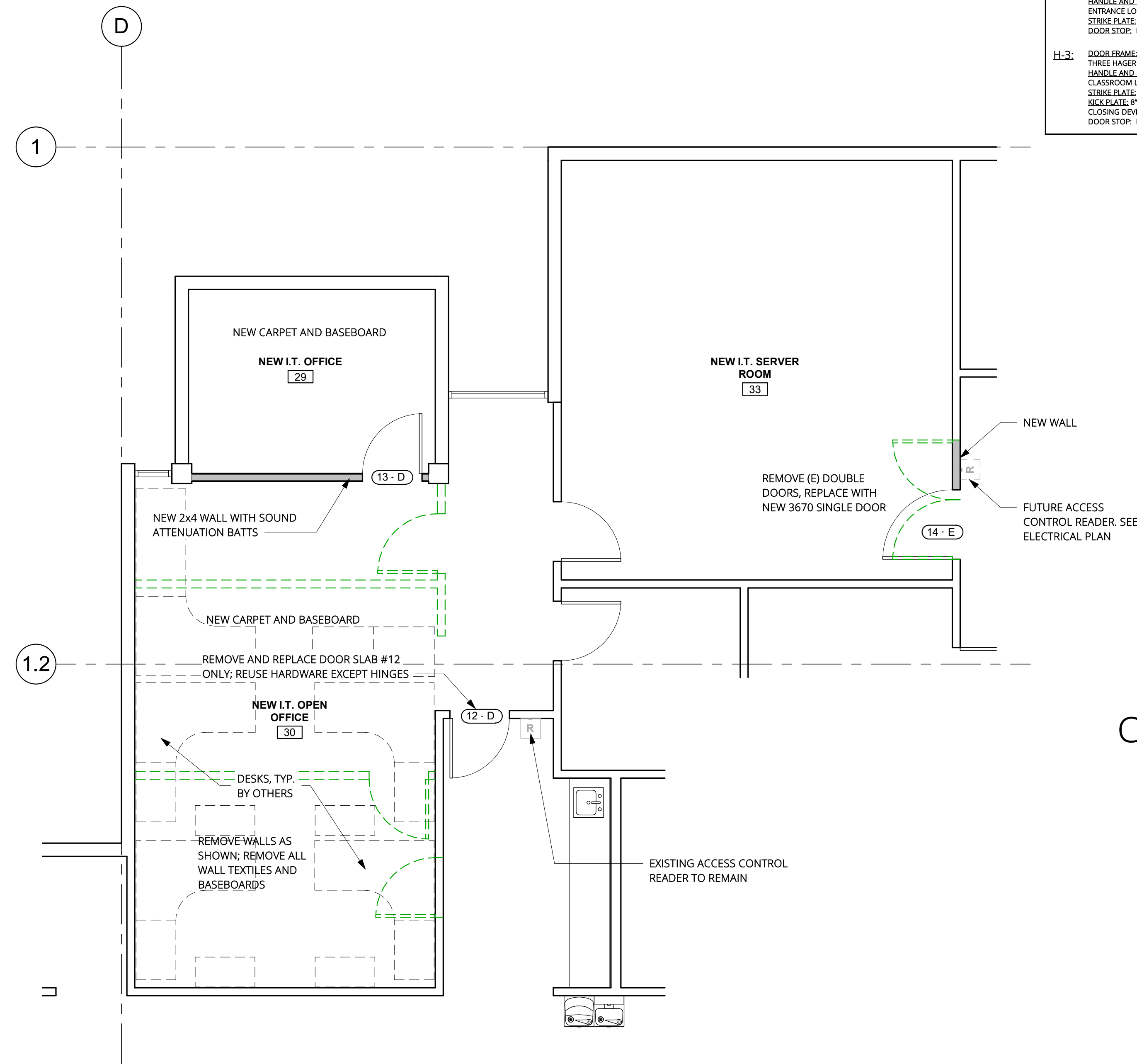
- REFER TO GENERAL SPECIFICATIONS SHEET #002.
- ALL DOOR HARDWARE SHALL COMPLY WITH THE REQUIREMENTS OF THE 2010 ADAAG AND ICC/ANSI STANDARDS.

**DOOR HARDWARE SCHEDULE**

H-1:	DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT (PROVIDE CLOSER REINFORCEMENT). HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. CLOSING DEVICE: LCN 4040XP SERIES (PARALLEL ARM PUSH SIDE), ALUMINUM FINISH. LATCH: HES 9600 SERIES, SURFACE MOUNTED ELECTRIC STRIKE (COLOR 630) WITH 9000-MTK PLUG-IN BRIDGE RECTIFIER. HANDLE AND LOCK: SCHLAGE N8090P X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, STOREROOM LOCK. ACCESS CONTROL: WHERE INDICATED; INSTALL CONDUIT FROM CEILING TO BOX ON LATCH SIDE FOR FUTURE ACCESS CONTROL READER TO BE STALLED BY OTHERS. ALSO SEE ELECTRICAL. DOOR STOP: IVES WALL BUMPER WS406/407-CCV, US26, OR IVES FLOOR MOUNTED.
H-2:	DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT. HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. HANDLE AND LOCK: SCHLAGE N8090P X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, ENTRANCE LOCK. STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE. DOOR STOP: IVES WALL BUMPER WS406/407-CCV, US26, OR IVES FLOOR MOUNTED.
H-3:	DOOR FRAME: STEELCRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT. HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. HANDLE AND LOCK: SCHLAGE N8090P X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, CLASSROOM LOCK. STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE. KICK PLATE: 1" H X 3/4" W W/ RIBET INSTALL, SATIN CHROME. CLOSING DEVICE: LCN 4040XP SERIES (PARALLEL ARM PUSH SIDE), ALUMINUM FINISH. DOOR STOP: IVES WALL BUMPER WS406/407-CCV, US26, OR IVES FLOOR MOUNTED.



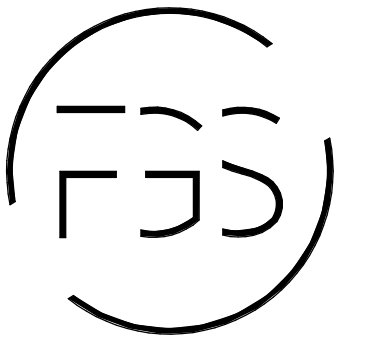
**2 REFLECTED CEILING PLAN - I.T. OFFICES**  
1/4" = 1'-0"



**1 ENLARGED FLOOR PLAN - I.T. OFFICES**  
1/4" = 1'-0" REFERENCE - a200 / 1

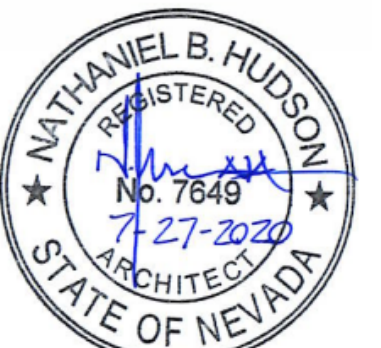
I.T. OFFICES - PLANS, SECTIONS, ELEVATIONS

a204



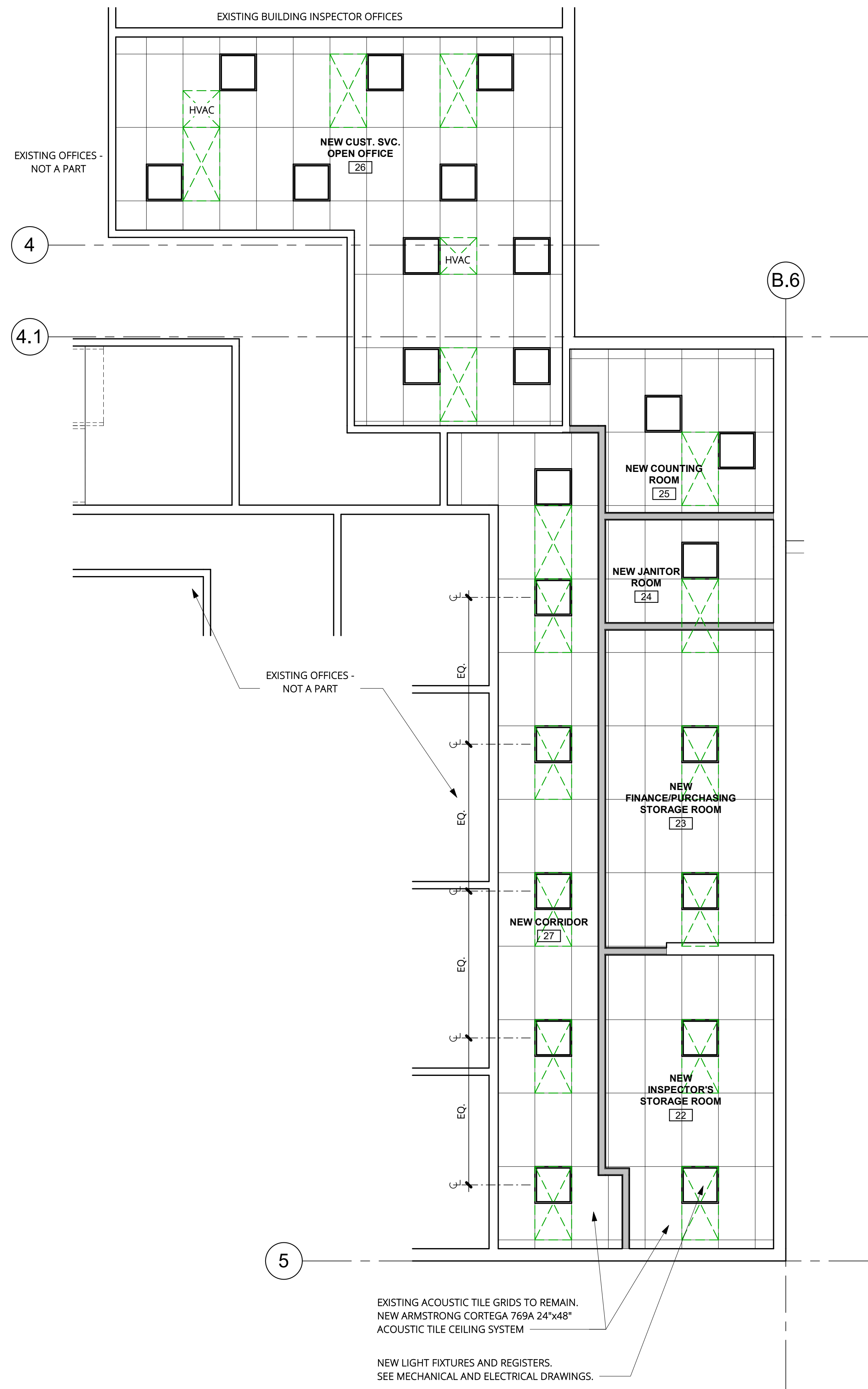
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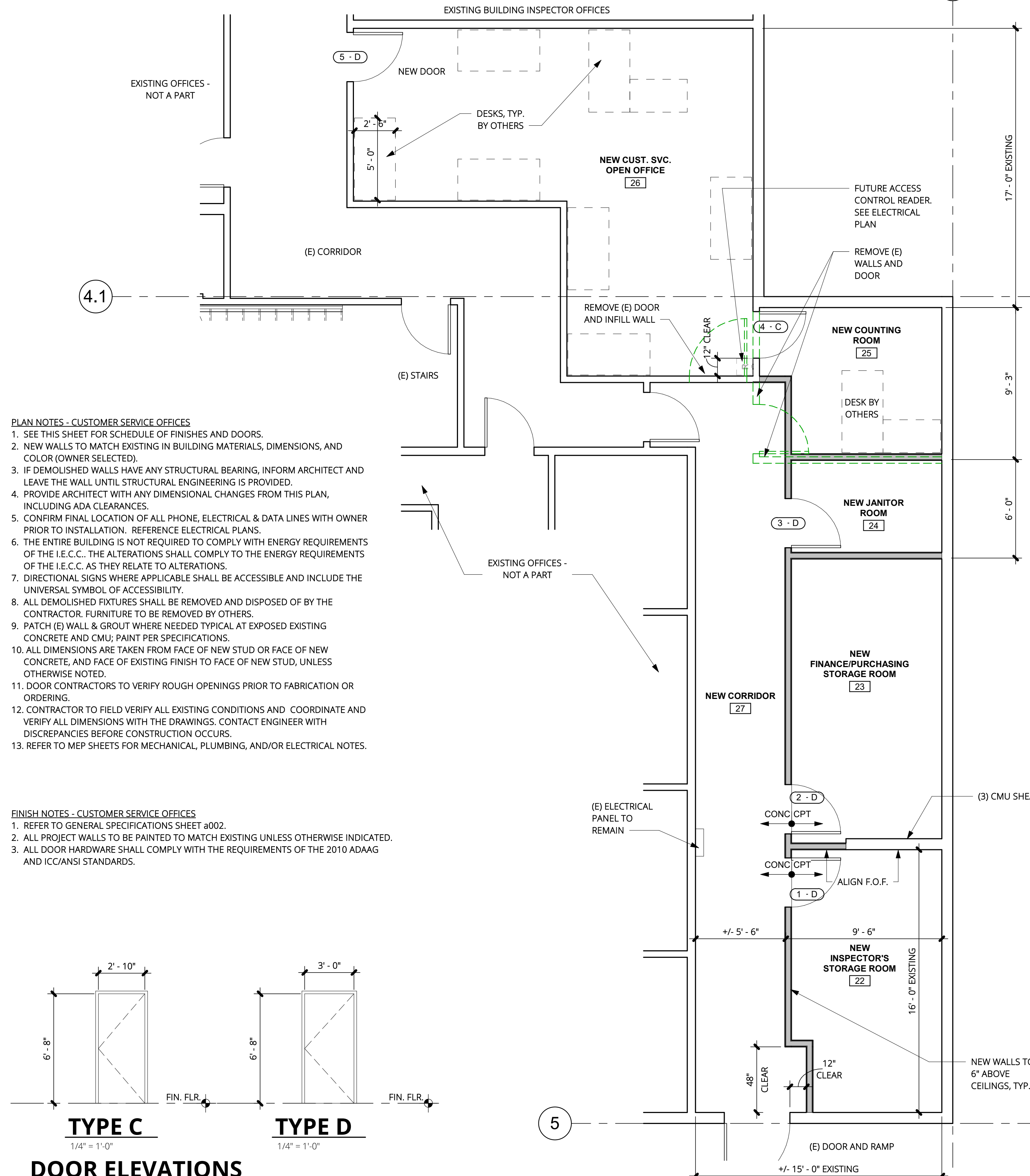


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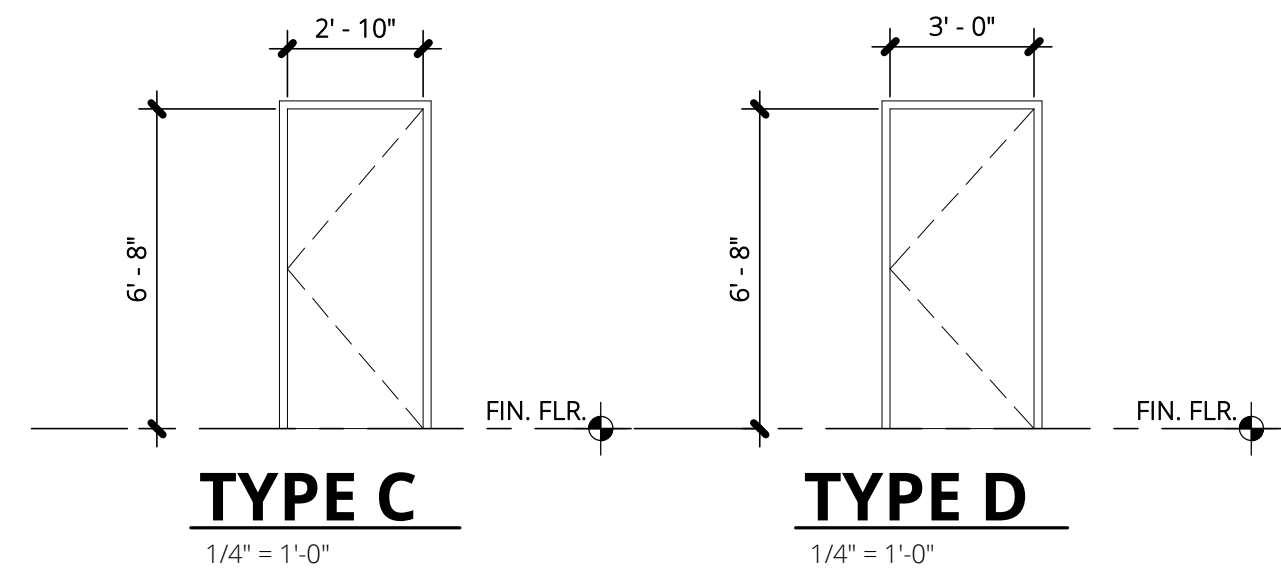


ROOM FINISH SCHEDULE - CUSTOMER SERVICE OFFICES (SEE FINISH NOTES)									
#	NAME	BASE FINISH	CEILING FINISH	FLOOR FINISH	NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL	COMMENTS
22	NEW INSPECTOR'S STORAGE ROOM	BURKE BLACK/BROWN	AC. TILES	CONCRETE	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	
23	NEW FINANCE/PURCHASING STORAGE ROOM	BURKE BLACK/BROWN	AC. TILES	CONCRETE	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	
24	NEW JANITOR ROOM	BURKE BLACK/BROWN	AC. TILES	CONCRETE	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	
25	NEW COUNTING ROOM	BURKE BLACK/BROWN	AC. TILES	CARPET	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	
26	NEW CUST. SVC. OPEN OFFICE	BURKE BLACK/BROWN	AC. TILES	CARPET	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	
27	NEW CORRIDOR	BURKE BLACK/BROWN	AC. TILES	CONCRETE	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	PAINTED GYP. BD.	



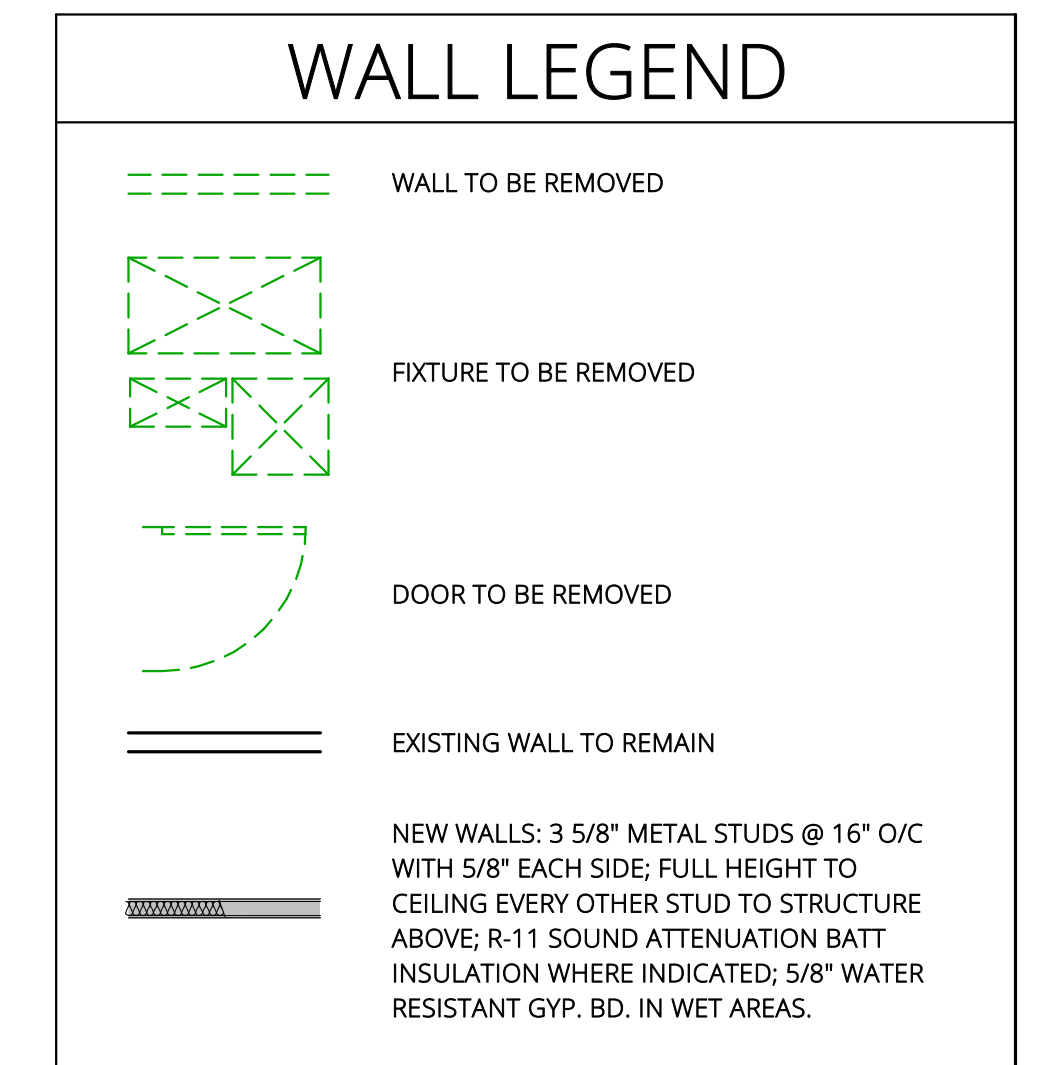
- PLAN NOTES - CUSTOMER SERVICE OFFICES**
- SEE THIS SHEET FOR SCHEDULE OF FINISHES AND DOORS.
  - NEW WALLS TO MATCH EXISTING IN BUILDING MATERIALS, DIMENSIONS, AND COLOR (OWNER SELECTED).
  - IF DEMOLISHED WALLS HAVE ANY STRUCTURAL BEARING, INFORM ARCHITECT AND LEAVE THE WALL UNTIL STRUCTURAL ENGINEERING IS PROVIDED.
  - PROVIDE ARCHITECT WITH ANY DIMENSIONAL CHANGES FROM THIS PLAN, INCLUDING ADA CLEARANCES.
  - CONFIRM FINAL LOCATION OF ALL PHONE, ELECTRICAL & DATA LINES WITH OWNER PRIOR TO INSTALLATION. REFERENCE ELECTRICAL PLANS.
  - THE ENTIRE BUILDING IS NOT REQUIRED TO COMPLY WITH ENERGY REQUIREMENTS OF THE I.E.C.C. THE ALTERATIONS SHALL COMPLY TO THE ENERGY REQUIREMENTS OF THE I.E.C.C. AS THEY RELATE TO ALTERATIONS.
  - DIRECTIONAL SIGNS WHERE APPLICABLE SHALL BE ACCESSIBLE AND INCLUDE THE UNIVERSAL SYMBOL OF ACCESSIBILITY.
  - ALL DEMOLISHED FIXTURES SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. FURNITURE TO BE REMOVED BY OTHERS.
  - PATCH (E) WALL & GROUT WHERE NEEDED TYPICAL AT EXPOSED EXISTING CONCRETE AND CMU; PAINT PER SPECIFICATIONS.
  - ALL DIMENSIONS ARE TAKEN FROM FACE OF NEW STUD OR FACE OF NEW CONCRETE, AND FACE OF EXISTING FINISH TO FACE OF NEW STUD, UNLESS OTHERWISE NOTED.
  - DOOR CONTRACTORS TO VERIFY ROUGH OPENINGS PRIOR TO FABRICATION OR ORDERING.
  - CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE AND VERIFY ALL DIMENSIONS WITH THE DRAWINGS. CONTACT ENGINEER WITH DISCREPANCIES BEFORE CONSTRUCTION OCCURS.
  - REFER TO MEP SHEETS FOR MECHANICAL, PLUMBING, AND/OR ELECTRICAL NOTES.

- FINISH NOTES - CUSTOMER SERVICE OFFICES**
- REFER TO GENERAL SPECIFICATIONS SHEET #002.
  - ALL PROJECT WALLS TO BE PAINTED TO MATCH EXISTING UNLESS OTHERWISE INDICATED.
  - ALL DOOR HARDWARE SHALL COMPLY WITH THE REQUIREMENTS OF THE 2010 ADAAG AND ICC/ANSI STANDARDS.



DOOR SCHEDULE - CUSTOMER SERVICE OFFICES											
#	TYPE	ROOM #.	WIDTH	HEIGHT	MATERIAL	FINISH	FIRE RATING	HARDWARE	FRAME MATERIAL	FRAME FINISH	COMMENTS
1	D	NEW INSPECTOR'S STORAGE	3'-0"	6'-8"	SOLID CORE WOOD	STAIN		H-2	HOLLOW METAL	PAINT	LOCKSET
2	D	NEW FINANCE STORAGE	3'-0"	6'-8"	SOLID CORE WOOD	STAIN		H-2	HOLLOW METAL	PAINT	LOCKSET
3	D	NEW JANITOR	3'-0"	6'-8"	SOLID CORE WOOD	STAIN		H-2	HOLLOW METAL	PAINT	LOCKSET
4	C	NEW COUNTING ROOM	2'-10"	6'-8"	SOLID CORE WOOD	STAIN		H-1	HOLLOW METAL	PAINT	ACCESS CONTROL WITH SELF-CLOSER
5	D	NEW FINANCE OPEN OFFICE	3'-0"	6'-8"	SOLID CORE WOOD	STAIN		H-2	HOLLOW METAL	PAINT	LOCKSET

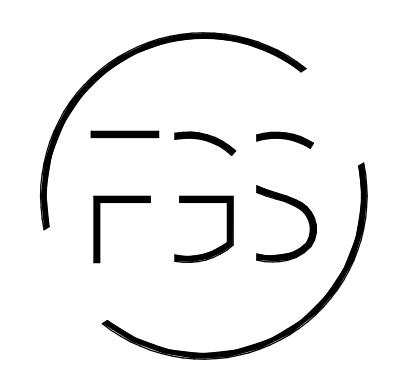
Grand total: 5



DOOR HARDWARE SCHEDULE	
H-1:	DOOR FRAME: STEEL CRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT (PROVIDE CLOSER REINFORCEMENT). HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. CLOSING DEVICE: LCN 4040XP SERIES (PARALLEL ARM PUSH SIDE), ALUMINUM FINISH. LATCH: HES 9600 SERIES, SURFACE MOUNTED ELECTRIC STRIKE (COLOR 630) WITH 9000-MTK PLUG-IN BRIDGE RECTIFIER. HANDLE AND LOCK: SCHLAGE N80PD X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, STOREROOM LOCK. ACCESS CONTROL (WHERE INDICATED): INSTALL CONDUIT FROM CEILING TO BOX ON LATCH SIDE FOR FUTURE ACCESS CONTROL READER TO BE STALLED BY OTHERS. ALSO SEE ELECTRICAL. DOOR STOP: IVES WALL BUMPER W5406/407-CCV, US26, OR IVES FLOOR MOUNTED.
H-2:	DOOR FRAME: STEEL CRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT. HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. HANDLE AND LOCK: SCHLAGE N80PD X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, ENTRANCE LOCK. STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE. DOOR STOP: IVES WALL BUMPER W5406/407-CCV, US26, OR IVES FLOOR MOUNTED.
H-3:	DOOR FRAME: STEEL CRAFT, F16 PROFILE - WELDED FRAME, STANDARD DOUBLE RABBIT. HINGES: THREE HAGER BB1279, 4-1/2" X 4-1/2" BALL BEARING, 5 KNUCKLE STEEL HINGE. HANDLE AND LOCK: SCHLAGE N80PD X RHODES S626, W/ SCHLAGE LARGE FORMAT IC CORE, CLASSROOM LOCK. STRIKE PLATE: 2-3/4" LONG T-STRIKE PLATE. KICK PLATE: 1" H X 3/4" W W/ RIBET INSTALL, SATIN CHROME. CLOSING DEVICE: LCN 4040XP SERIES (PARALLEL ARM PUSH SIDE), ALUMINUM FINISH. DOOR STOP: IVES WALL BUMPER W5406/407-CCV, US26, OR IVES FLOOR MOUNTED.

BASEMENT  
CUSTOMER SERVICE  
OFFICES - PLANS,  
SECTIONS,  
ELEVATIONS

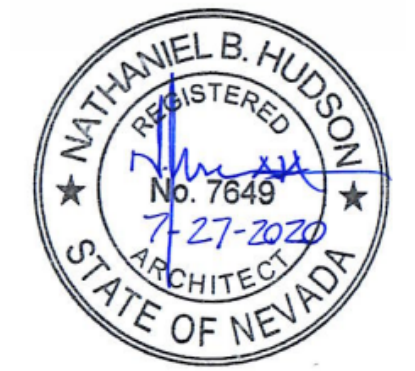
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PERMIT SUBMITTAL



GENERAL NOTES

1. UNLESS EXPLICITLY STATED IN THESE CONSTRUCTION DOCUMENTS, BY NOTE OR CLARIFICATION LETTER, THE ENTIRE SCOPE OF WORK REPRESENTED BY THESE DOCUMENTS SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

2. THESE CONSTRUCTION DOCUMENTS REPRESENT THE DESIGN INTENT OF THE DESIGN TEAM BASED ON DIMENSIONS OF EXISTING SITE AND/OR FIELD CONDITIONS. ACTUAL CONDITIONS MAY REQUIRE MODIFICATIONS OF THE CONSTRUCTION DETAILS TO ACHIEVE THE DESIGN INTENT. CONTRACTOR SHALL NOTIFY DESIGN TEAM IN WRITING OF ANY DISCREPANCIES RELATED TO EXISTING SITE AND/OR FIELD CONDITIONS PRIOR TO CONTINUING ANY WORK.

3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RECORD ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE CONSTRUCTION DOCUMENTS AND TO BRING THEM TO THE ATTENTION OF THE DESIGN TEAM PRIOR TO COMMENCING ANY WORK. ANY DEVIATION FROM THE CONDITIONS SHOWN IN THESE CONSTRUCTION DOCUMENTS SHALL REQUIRE WRITTEN APPROVAL FROM THE DESIGN TEAM.

4. DO NOT SCALE THE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM PRIOR TO COMMENCING ANY WORK.

5. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY. WORK REQUIRED TO BE DONE BY ONE DOCUMENT AND NOT BY OTHERS SHALL BE DONE AS IF REQUIRED BY ALL.

6. THE CONTRACTOR AND SUBCONTRACTOR SHALL MAKE NO STRUCTURAL SUBSTITUTIONS, CHANGES, OR MODIFICATIONS WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

7. CONTRACTORS AND SUBCONTRACTORS SHALL ENSURE THAT ALL WORK IS PERFORMED IN A PROFESSIONAL AND WORKMANLIKE MANNER BY SKILLED MECHANICS OF THE TRADE. SUBCONTRACTORS AND SUPPLIERS ARE HEREBY NOTIFIED THAT THEY ARE TO CONFER AND COOPERATE FULLY WITH EACH OTHER DURING THE COURSE OF CONSTRUCTION TO DETERMINE THE EXACT EXTENT AND OVERLAP OF EACH OTHER'S WORK AND TO SUCCESSFULLY COMPLETE THE EXECUTION OF THE WORK IN A TIMELY MANNER.

8. BUILDER'S SET: THIS SET OF DRAWINGS HAS BEEN PREPARED SUFFICIENT TO OBTAIN A BUILDING PERMIT. ALL MATERIALS AND METHODS OF CONSTRUCTION NECESSARY TO COMPLETE THE PROJECT ARE NOT NECESSARILY DESCRIBED IN THIS 'BUILDER'S SET'. THE IMPLEMENTATION OF THE DRAWINGS REQUIRES THE CONTRACTOR OR BUILDER TO BE THOROUGHLY KNOWLEDGEABLE WITH THE APPLICATIONS OF CODES AND THE METHODS OF CONSTRUCTION SPECIFIC TO THIS PROJECT AND TYPE OF CONSTRUCTION.

9. UNLESS SPECIFICALLY SHOWN OR NOTED ON THE DRAWINGS, NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED, BORED, OR OTHERWISE WEAKENED WITHOUT THE PERMISSION OF THE STRUCTURAL ENGINEER.

10. ALL WATERPROOFING, FLASHING, AND DRAINAGE ARE TO BE DESIGNED AND PROVIDED BY THE BUILDER.

STRUCTURAL OBSERVATION

ENGINEER OF RECORD SHALL PERIODICALLY OBSERVE CONSTRUCTION AT THE FOLLOWING SIGNIFICANT STAGES OF CONSTRUCTION. THESE OBSERVATIONS ARE IN ADDITION TO REQUIRED SPECIAL INSPECTION.

FOUNDATION TO BE MADE AFTER EXCAVATIONS FOR FOOTINGS ARE COMPLETE AND ANY REQUIRED REINFORCING STEEL IS IN PLACE. FINISH CONCRETE FOUNDATION FORMWORK SHALL BE IN PLACE. ALL CAST-IN ANCHORS SHALL BE INSTALLED TO THE FORMWORK. ALL MATERIALS FOR THE FOUNDATION SHALL BE ON THE JOB SITE, EXCEPT CONCRETE WHERE IT IS READY MIXED IN ACCORDANCE WITH THE CODE.

FRAMING OBSERVATION OF THE VERTICAL (STRUCTURAL FRAMING AND SHEATHING) AND LATERAL (WIND AND SEISMIC) FORCE RESISTING SYSTEMS.

INTERMEDIATE OBSERVATION IS REQUIRED PRIOR TO CONCEALING ANY WORK REQUIRING OBSERVATION.

FINAL OBSERVATION TO BE MADE AFTER THE ROOF. ALL STRUCTURAL FRAMING, SHEAR WALLS, LATERAL BRACING, TIES, COLLECTORS, DRAGS, AND SHEAR DIAPHRAGMS ARE CONSTRUCTED.

NOTIFICATION NOTIFY THE ENGINEER AT LEAST THREE BUSINESS DAYS PRIOR TO THE DATE UPON WHICH OBSERVATION IS REQUIRED.

REPORT AT CONCLUSION OF WORK, ENGINEER SHALL PREPARE A STATEMENT DESCRIBING SITE VISITS, REPORTING WORK OBSERVED, IDENTIFYING KNOWN REMAINING DEFICIENCIES AND STATING APPARENT CONFORMANCE TO INTENT OF PLANS.

COORDINATION NOTES

ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, THESE GENERAL NOTES, AND THE SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER WHO SHALL CORRECT SUCH DISCREPANCY IN WRITING. ANY WORK DONE BY THE GENERAL CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE DONE AT THE GENERAL CONTRACTOR'S RISK. THE GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE DIMENSIONS AMONG ALL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION. THE STRUCTURE HAS BEEN DESIGNED TO RESIST CODE REQUIRED VERTICAL AND LATERAL FORCES AFTER THE CONSTRUCTION OF ALL STRUCTURAL ELEMENTS HAS BEEN COMPLETED. STABILITY OF THE STRUCTURE PRIOR TO COMPLETION IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THIS RESPONSIBILITY INCLUDES BUT IS NOT LIMITED TO JOB SITE SAFETY, ERECTION MEANS, METHODS, AND SEQUENCES; TEMPORARY SHORING, FORMWORK, AND BRACING; USE OF EQUIPMENT AND CONSTRUCTION PROCEDURES. PROVIDE ADEQUATE RESISTANCE TO LOADS ON THE STRUCTURES DURING CONSTRUCTION PER SEIASCE STANDARD NO. 37 "DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION." CONSTRUCTION OBSERVATION BY THE STRUCTURAL ENGINEER IS FOR GENERAL CONFORMANCE WITH DESIGN ASPECTS ONLY AND IS NOT INTENDED IN ANY WAY TO REVIEW THE CONTRACTOR'S CONSTRUCTION PROCEDURES.

STANDARDS ALL METHODS, MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED AND ADOPTED BY THE LOCAL BUILDING OFFICIAL OR APPLICABLE JURISDICTION.

CONTRACT DRAWINGS / DIMENSIONS

ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. CONSULTANT DRAWINGS BY OTHER DISCIPLINES ARE SUPPLEMENTARY TO ARCHITECTURAL DRAWINGS. REPORT DIMENSIONAL OMISSIONS OR DISCREPANCIES BETWEEN ARCHITECTURAL DRAWINGS AND STRUCTURAL, MECHANICAL, ELECTRICAL OR CIVIL DRAWINGS TO ARCHITECT PRIOR TO PROCEEDING WITH WORK.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. PRIMARY STRUCTURAL ELEMENTS ARE DIMENSIONED ON STRUCTURAL PLANS AND DETAILS AND OVERALL LAYOUT OF STRUCTURAL PORTION OF WORK. SOME SECONDARY ELEMENTS ARE NOT DIMENSIONED SUCH AS: WALL CONFIGURATIONS (INCLUDING EXACT DOOR AND WINDOW LOCATIONS), ALCOVES, SLAB SLOPES AND DEPRESSIONS, CURBS, ETC. VERTICAL DIMENSIONAL CONTROL IS DEFINED BY ARCHITECTURAL WALL SECTIONS AND BUILDING SECTIONS. STRUCTURAL DETAILS SHOW DIMENSIONAL RELATIONSHIPS TO CONTROL DIMENSIONS DEFINED BY ARCHITECTURAL DRAWINGS, DETAILING AND SHOP DRAWING PRODUCTION FOR STRUCTURAL ELEMENTS WILL REQUIRE DIMENSIONAL INFORMATION CONTAINED IN BOTH ARCHITECTURAL AND STRUCTURAL DRAWINGS.

DESIGN CRITERIA

RISK CATEGORY: II - TABLE 1604.5

VERTICAL LOADS

Table with 4 columns: AREA, DESIGN DEAD LOAD, LIVE LOAD, CONCENTRATED LOADS. Rows: ROOF, FLOOR.

WOOD

WOOD SHEATHING (STRUCTURAL): SHEATHING ON ROOF SURFACES SHALL BE PLYWOOD ONLY. SHEATHING ON FLOOR AND WALLS SHALL BE PLYWOOD OR ORIENTED STRAND BOARD (OSB). PLYWOOD SHEATHING SHALL BE 5-PLY MINIMUM WHERE INDICATED AS 3/4" OR THICKER. WOOD SHEATHING SHALL BE "STRUCTURAL T" CONFORMING TO PS1-95 AND/OR PS2-92. ALL PANELS SHALL BEAR THE STAMP OF AN APPROVED GRADING AGENCY.

GLUE-LAMINATED MEMBERS: CONFORM TO ANSI/AITC A190.1. MEMBERS SHALL BE 24F-V4 DF/D FOR SIMPLE SPANS AND 24F-V8 DF/D FOR CANTILEVERED SPANS WITH E=1.8x10^6 PSI AND EW33 DF FOR COLUMNS. ALL WITH EXTERIOR GLUE. ARCHITECTURAL APPEARANCE GRADE WHERE EXPOSED TO VIEW. INDUSTRIAL APPEARANCE WHERE NOT EXPOSED TO VIEW. ALL MEMBERS TO HAVE AITC OR APA-EVWS STAMP.

FRAMING LUMBER: STANDARDS: EACH PIECE SHALL BEAR THE GRADE TRADEMARK OF AN AGENCY ACCREDITED BY THE AMERICAN LUMBER STANDARD COMMITTEE (ALSC) TO GRADE UNDER ALS-C CERTIFIED GRADING RULES. ALL NEW FRAMING LUMBER SHALL HAVE 19% MAXIMUM MOISTURE CONTENT AT TIME OF INSTALLATION AND FABRICATION.

SPECIES AND GRADE (BASE DESIGN VALUE)

- 1) 6x BEAMS AND HEADERS: "DOUG FIR-LARCH" NO. 1 (Fb = 1350 PSI, Fc = 170 PSI)
2) 2x to 4x JOISTS, PURLINS AND HEADERS: "DOUG FIR-LARCH" NO. 2 (Fb = 900 PSI, Fc = 180 PSI)
3) INTERIOR NON-BEARING STUD WALLS: "DOUG FIR-LARCH" CONSTRUCTION GRADE (Fb = 1000 PSI, Fc = 1650 PSI)
4) 2x & 3x T&G DECKING: "DOUG FIR-LARCH" SELECT (Fb = 1750 PSI, Fc = 1150 PSI)
5) 2x DECKING FOR EXTERIOR USE: "REDWOOD" NO. 2 (Fb = 925 PSI, Fc = 950 PSI)
6) THE MINIMUM GRADE OF ALL OTHER STRUCTURAL FRAMING: "DOUG FIR-LARCH" CONSTRUCTION GRADE (Fb = 1000 PSI, Fc = 1650 PSI)
7) UTILITY AND STANDARD GRADES NOT PERMITTED.

FRAMING LUMBER (MANUFACTURED): SHALL BE MANUFACTURED BY TRUS JOIST CORPORATION OR PRE-APPROVED EQUAL. IN ACCORDANCE WITH APPROVED SHOP AND INSTALLATION DRAWINGS.

MICROLAM LVL: Fb = 2600 PSI E = 2000 KSI
PARALLAM PSL: Fb = 2900 PSI E = 2200 KSI \*\*
PARALLAM PSL POST: Fb = 2400 PSI E = 1800 KSI
TIMBERSTRAND LSL: Fb = 2325 PSI E = 1550 KSI
RIM MATERIAL: TIMBERSTRAND LSL
\*\*FOR 5.25 x 7.25 OK TO USE LP SOLID START LVL IN LIEU OF PSL

MEMBERS HAVE BEEN DESIGNED TO SERVICEABILITY AND OTHER PERFORMANCE-BASED REQUIREMENTS, WHICH MAY EXCEED MINIMUM DESIGN LOADS AND CODE REQUIREMENTS. SUBSTITUTIONS MUST MEET OR EXCEED MOMENT, SHEAR, AND STIFFNESS OF THOSE MEMBERS SPECIFIED AT THE SAME DEPTH AND SPACING.

PRESERVATIVE TREATED WOOD REQUIREMENTS: TREATMENTS OTHER THAN THOSE LISTED BELOW ARE NOT PERMITTED.

Table with 5 columns: EXPOSURE, APPLICATION, SPECIFIED MATERIAL, PRESERVATIVE TREATMENT (1), CONNECTORS & FASTENERS (2)(3). Rows include FOUNDATION SILL PLATES, TOP PLATES & LEDGERS, FRAMING, DECKING, POSTS & LEDGERS, BEAMS & COLUMNS.

- 1. CCA: CHROMATED COPPER ARSENATE
SBX: DOT SODIUM BORATE
ACQ: ALKALINE COPPER QUAT
CBA & CA: COPPER AZOLE
2. CONNECTORS: JOIST HANGERS, STRAPS, FRAMING CONNECTORS, COLUMN CAPS AND BASES, ETC. FASTENERS: MACHINE BOLTS, ANCHOR BOLTS AND LAG SCREWS WITH ASSOCIATED PLATE WASHERS AND NUTS, NAILS, SPIKES, WOOD SCREWS, ETC.

- 3. G60, G90 & G185 PER ASTM A653 BATCH/POST HOT-DIP GALVANIZED PER ASTM A123 FOR CONNECTORS, AND ASTM A153 FOR FASTENERS. MECHANICALLY GALVANIZED FASTENERS PER ASTM B695, CLASS 55 OR GREATER.
4. AT CONTRACTOR'S OPTION, LEDGERS AND TOP PLATES A MINIMUM OF 8 FEET ABOVE GRADE ON CONCRETE OR MASONRY WALLS MAY BE UN-TREATED IF COMPLETELY SEPARATED FROM THE WALL BY A SELF ADHERING ICE & WATER SHIELD BARRIER (40 MIL MINIMUM).

GENERAL REQUIREMENTS: PROVIDE MINIMUM NAILING PER IBC (CBC) TABLE 2304.10.1 OR MORE, AS OTHERWISE SHOWN. STAGGER ALL NAILING TO PREVENT SPLITTING OF WOOD MEMBERS. PRESSURE TREAT ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY, WITH THE EXCEPTION OF INTERIOR CONCRETE TOPPING ON WOOD FLOOR SYSTEMS. HOLES AND CUTS IN 3x OR 4x PLATES SHOULD BE TREATED WITH A 20% SOLUTION OF COPPER NAPHTHENATE. BOLT HOLES IN WOOD MEMBERS SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN THE BOLT DIAMETER. PROVIDE CUT WASHERS WHERE BOLT HEADS, NUTS, AND LAG SCREW HEADS BEAR ON WOOD. PROVIDE A MINIMUM 3X3X1/4 PLATE WASHER ON ALL ANCHOR BOLTS WHICH CONNECT MUD SILLS TO FOUNDATION. DO NOT NOTCH OR DRILL STRUCTURAL MEMBERS, EXCEPT AS ALLOWED BY IBC SECTION 2308.5.9-10 OR AS RESTRICTED BY PLANS OR DETAILS, OR AS APPROVED PRIOR TO INSTALLATION. ALL JOIST WITHIN 18" AND GIRDS WITHIN 12" OF FINISH GRADE SHALL BE PRESERVATIVE TREATED WOOD. REFER TO PRESERVATIVE TREATED WOOD REQUIREMENTS IN THESE GENERAL NOTES FOR GALVANIZING REQUIREMENTS FOR CONNECTORS AND FASTENERS.

FRAMING CONNECTORS: SHALL HAVE ICC APPROVAL AND BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, SAN LEANDRO, CA, OR PRE-APPROVED EQUAL. PROVIDE MAXIMUM SIZE AND QUANTITY OF NAILS OR BOLTS PER MANUFACTURER. EXCEPT AS NOTED OTHERWISE, PROVIDE LEAD HOLES AS REQUIRED TO PREVENT SPLITTING OF WOOD MEMBERS. REFER TO PRESERVATIVE TREATED WOOD REQUIREMENTS IN THESE GENERAL NOTES FOR GALVANIZING REQUIREMENTS FOR CONNECTORS AND FASTENERS.

CARPENTRY

NAILS: CONNECTION DESIGNS ARE BASED ON "COMMON WIRE" NAILS WITH THE FOLLOWING PROPERTIES:

Table with 3 columns: PENNYWEIGHT, DIAMETER (INCHES), LENGTH (INCHES). Rows: 8d, 10d, 16d, 20d.

SPECIAL INSPECTION SCHEDULE

Main inspection schedule table with columns: AREAS REQUIRING SPECIAL INSPECTION, FREQUENCY, COMMENTS. Rows include CONCRETE CONSTRUCTION, STRUCTURAL STEEL CONSTRUCTION, and OTHER STEEL INSPECTIONS.

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.

ABBREVIATIONS

- AB - ANCHOR BOLT
ABV - ABOVE
ADDL - ADDITIONAL
ADJ - ADJACENT
ARCH - ARCHITECTURAL
AYC - ALASKAN YELLOW CEDAR
BLKG - BLOCKING
BLW - BELOW
BN - BOUNDARY NAILS
BOS - BOTTOM OF SHEATHING
BTWN - BETWEEN
CBC - CALIFORNIA BUILDING CODE
CJ - CONSTRUCTION JOINT
CL - CENTERLINE
COL - COLUMN
CONC - CONCRETE
CONT - CONTINUOUS
CVG - CONTINUOUS VERTICAL GRAIN
DIAM - DIAMETER
DF - DOUGLAS FIR
DFPT - DOUGLAS FIR PRESSURE TREATED
DN - DEAD LOAD
DN - DOWN
E - EXISTING
EA - EACH
ELECT - ELECTRICAL
EN - EDGE NAIL
ENGR - ENGINEER
ES - EACH SIDE
EW - EACH WAY
FDN - FOUNDATION
FIN - FINISH FLOOR
FOHC - FREE OF HEART CORE
FOS - FACE OF STUD
FS - FAR SIDE
GA - GAGE
GALV - GALVANIZED
GC - GENERAL CONTRACTOR
GLB - GLUED LAMINATED BEAM
GYP - GYPSUM BOARD
HD - HOLLOW
HORIZ - HORIZONTAL
HSS - HOLLOW STRUCTURAL SECTION
IBC - INTERNATIONAL BUILDING CODE
INTR - INTERMEDIATE
INV - INVERTED
K - KING POST
KP - KING STUD
KS - KING STUD
LL - LIVE LOAD
LLV - LONG LEG VERTICAL
LLH - LONG LEG HORIZONTAL
LSL - LAMINATED STRAND LUMBER
LVL - LAMINATED VENEER LUMBER
LWT - LIGHTWEIGHT
MAX - MAXIMUM
MECH - MECHANICAL
MFR - MANUFACTURER
MIN - MINIMUM
MISC - MISCELLANEOUS
N - NEW
NS - NEAR SIDE
ON - ON CENTER
OCEW - ON CENTER EACH WAY
OF - OUTER FACE
OH - OPPOSITE HAND
OPNG - OPENING
PL - PLATE
PLF - POUNDS PER LINEAR FOOT
PSF - POUNDS PER SQUARE FOOT
PSL - PARALLEL STRAND LUMBER
PT - PRESSURE TREATED
PLY - PLYWOOD
REIN - REINFORCEMENT
REQ - REQUIRED
SCHED - SCHEDULE
SHTG - SHEATHING
SIM - SIMILAR
SMS - SHEET METAL SCREW
SOG - SLAB ON GRADE
STAG - STAGGERED
STD HK - STANDARD HOOK
STIFF - STIFFENER
STL - STEEL
SW - SHEARWALL
SYM - SYMMETRICAL
T&B - TOP & BOTTOM
TAG - TONGUE AND GROOVED
THRU - THROUGH
TN - TOE NAIL
TS - TUBE STEEL
TYP - TYPICAL
UNO - UNLESS NOTED OTHERWISE
VERT - VERTICAL
VIF - VERIFY IN FIELD
w/ - WITH
WWF - WELDED WIRE FABRIC



REVISIONS table with columns for description and date.

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CITY HALL INTERIOR IMPROVEMENTS

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DRAFTED BY JUN

CLIENT INFORMATION
CITY OF SPARKS
SPARKS, NV 89431

PROJECT# 20-177

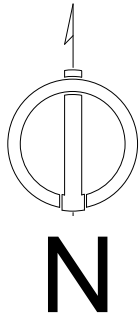
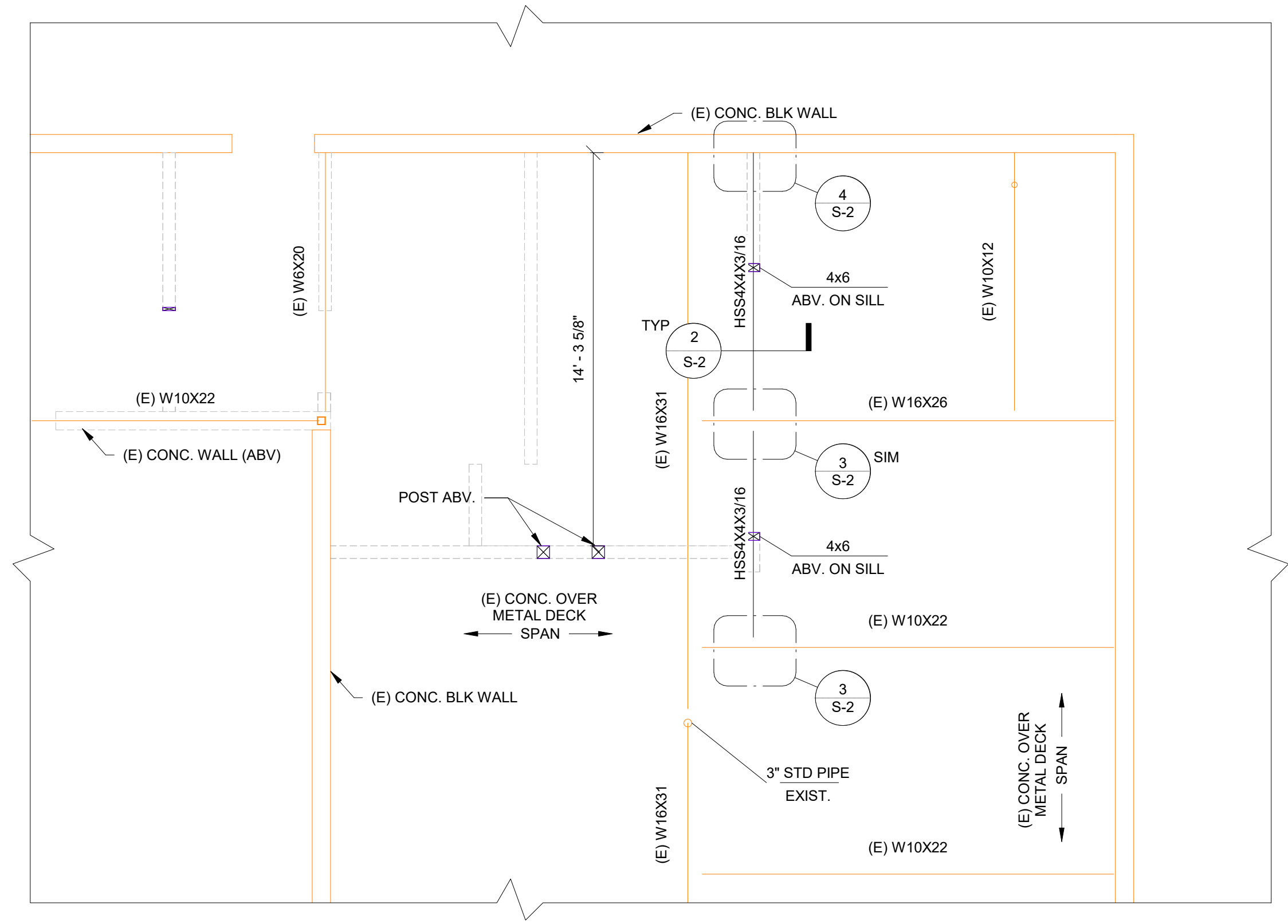
ISSUE DATE 8/13/20

SCALE As indicated

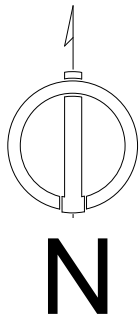
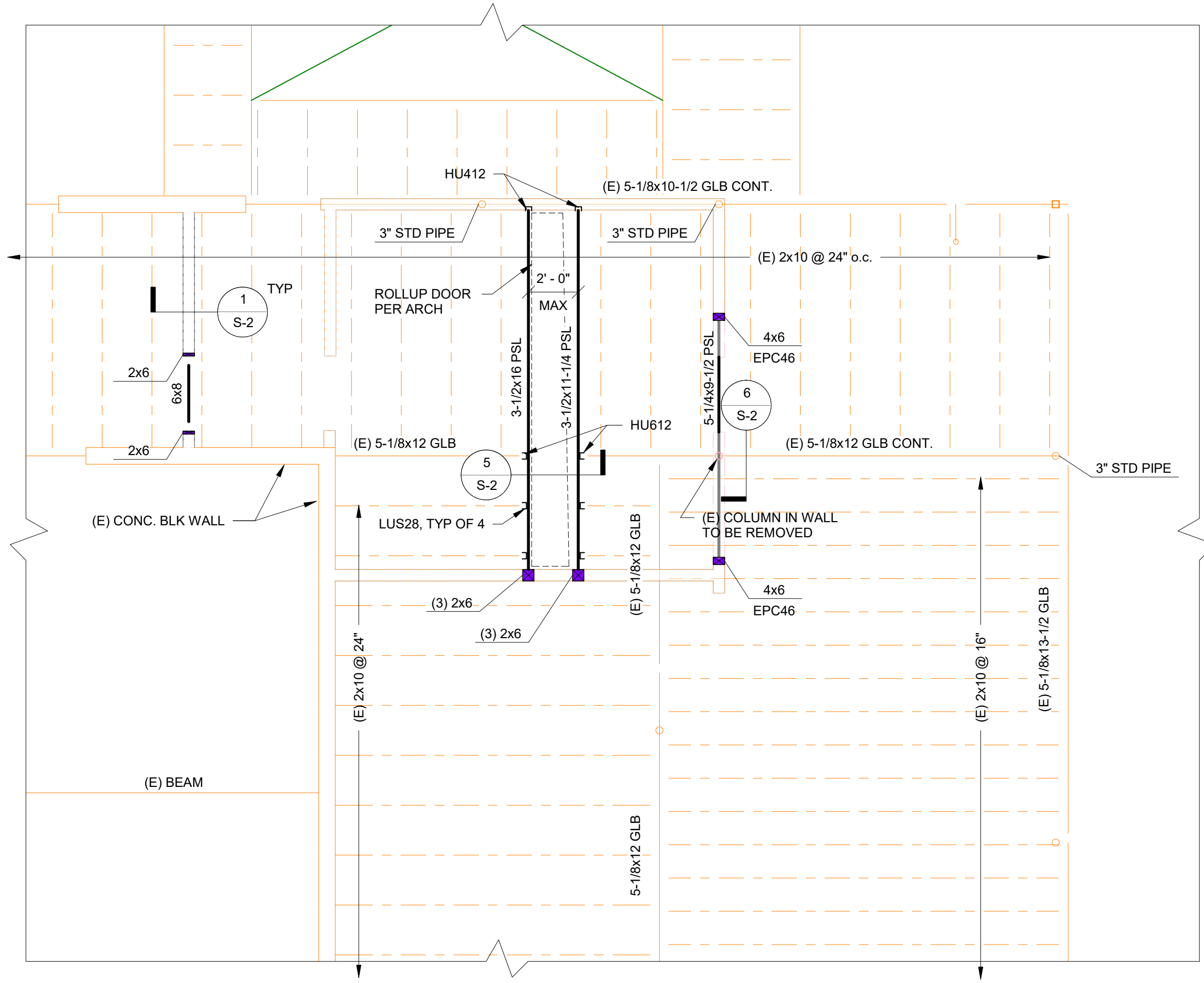
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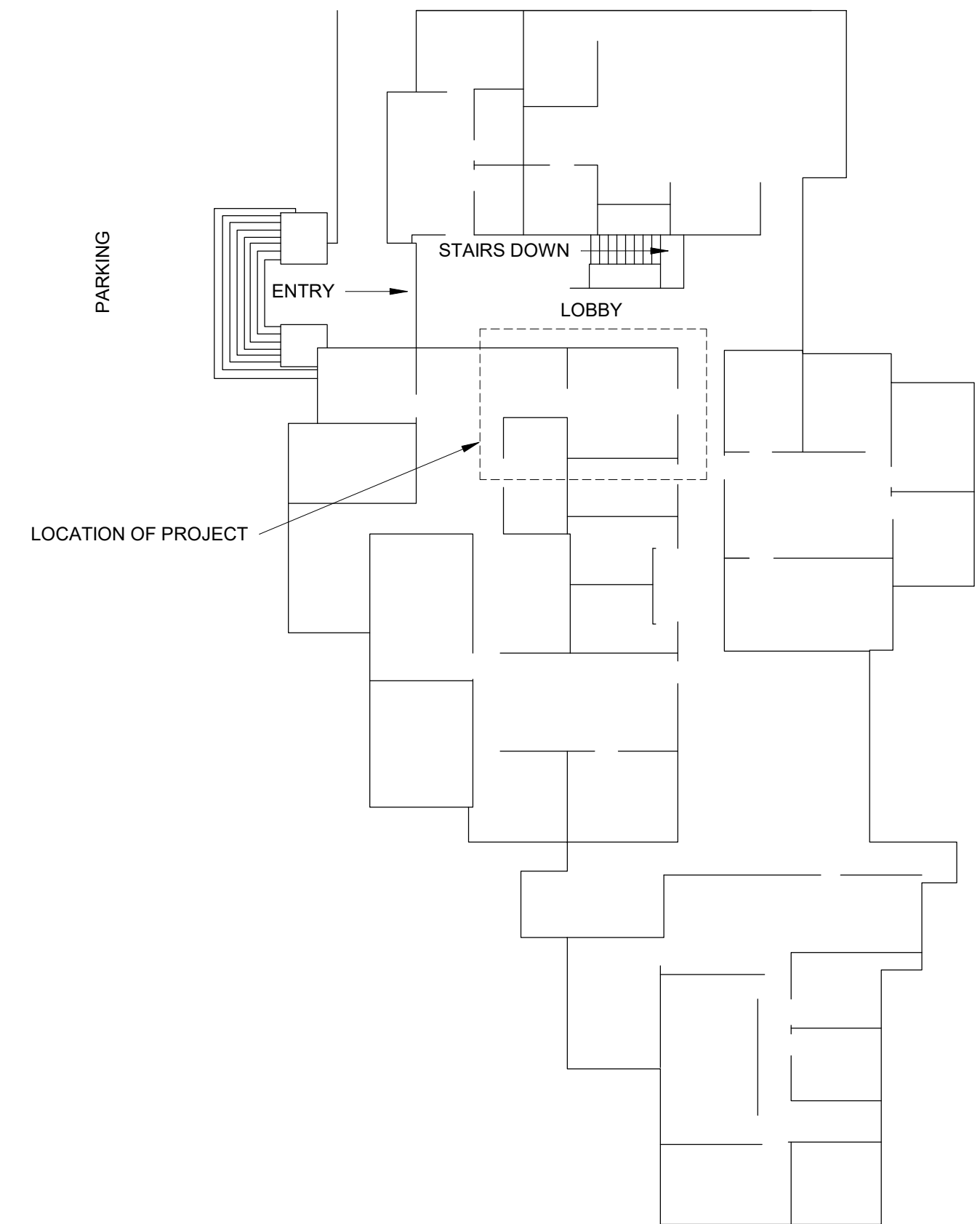




PARTIAL FLOOR FRAMING PLAN  
1/4" = 1'-0"



PARTIAL ROOF FRAMING PLAN  
1/4" = 1'-0"



KEY MAP

**FLOOR FRAMING NOTES**

1) ALL BEARING/PERIMETER WALLS - UPPER TOP PLATES TO BE SPLICED 48" MINIMUM AWAY FROM LOWER TOP PLATE SPLICES W/ (12) 16# AT LAP PROVIDE MST37 AT ANY PLATE DISCONTINUITIES (UNO).

4) SEE ADDITIONAL REQUIREMENTS IN STRUCTURAL SPECIFICATIONS SHEET S-001.

**ROOF FRAMING NOTES**

1) PROVIDE MIN. OF ONE STUD UNDER EVERY RAFTER.  
2) PROVIDE SINGLE TRIMMERS AT ALL HEADERS MIN. UNO.

**FRAMING LEGEND**

- WALLS BELOW FRAMING
- EXISTING WALLS BELOW FRAMING
- WALLS ABOVE FRAMING
- CONCEALED BEAM OR HEADER
- EXISTING JOIST
- EXISTING BEAM

**POST, TRIMMER OR COLUMN**

- MEMBER SIZE  
MEMBER TYPE
- 6x6 POST  
CC /
- ADDITIONAL HARDWARE AT BOTTOM WHERE OCCURS (AT BCO ATTACH TO SILL)  
HARDWARE AT TOP
- DISCONTINUOUS POST ABV
- POST BELOW FRAMING
- EXISTING POST



8/13/20

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DRAFTED BY JUN

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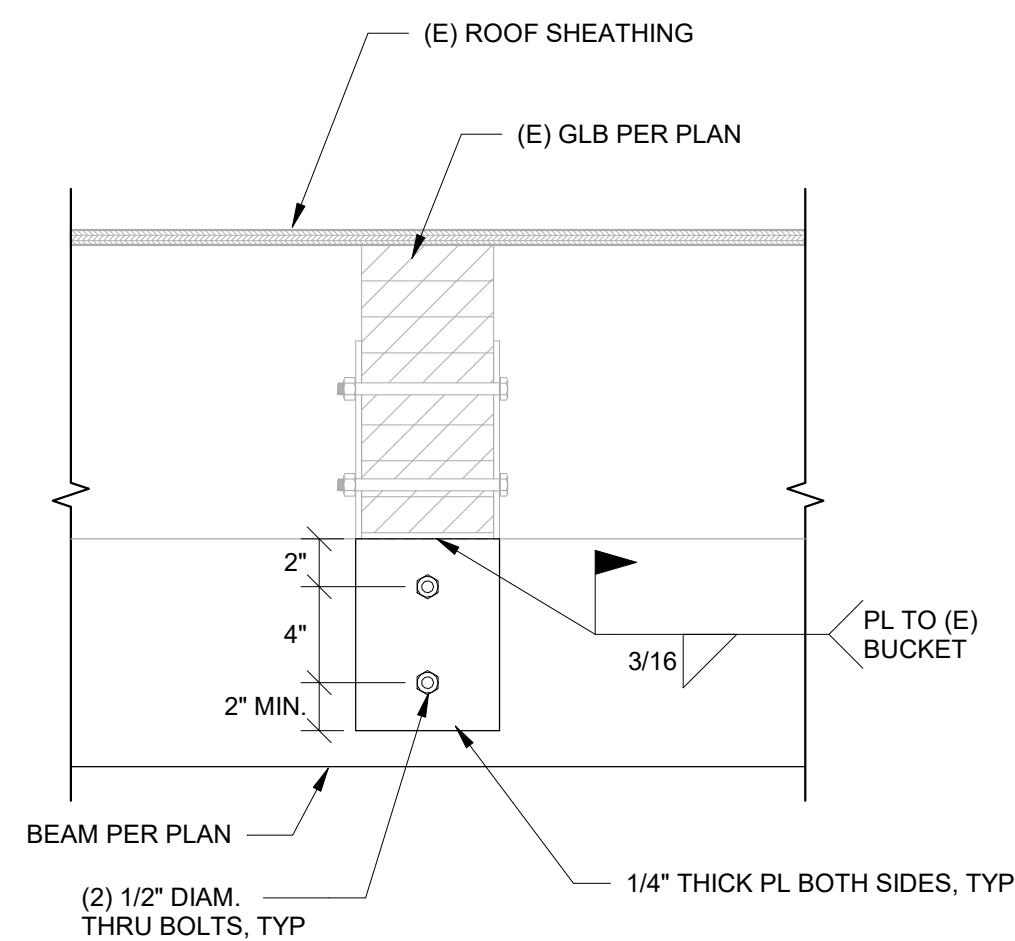
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**FRAMING PLANS**

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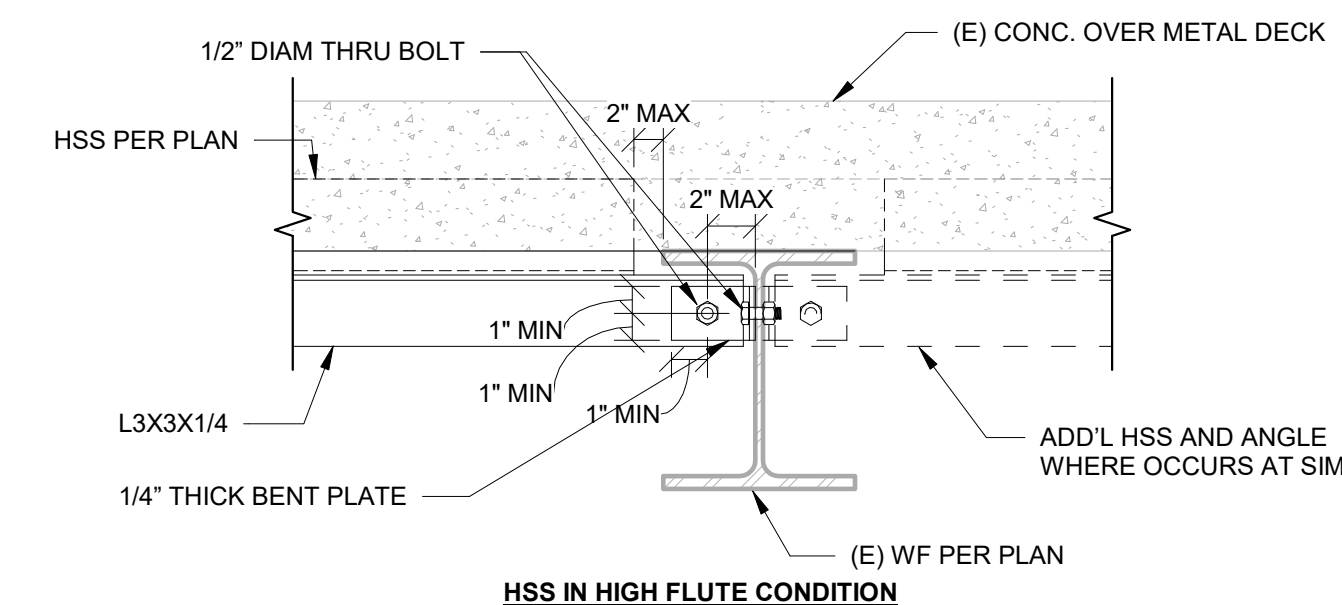
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SCALE: 1 1/2" = 1'-0"

BEAM BELOW (E) BEAM

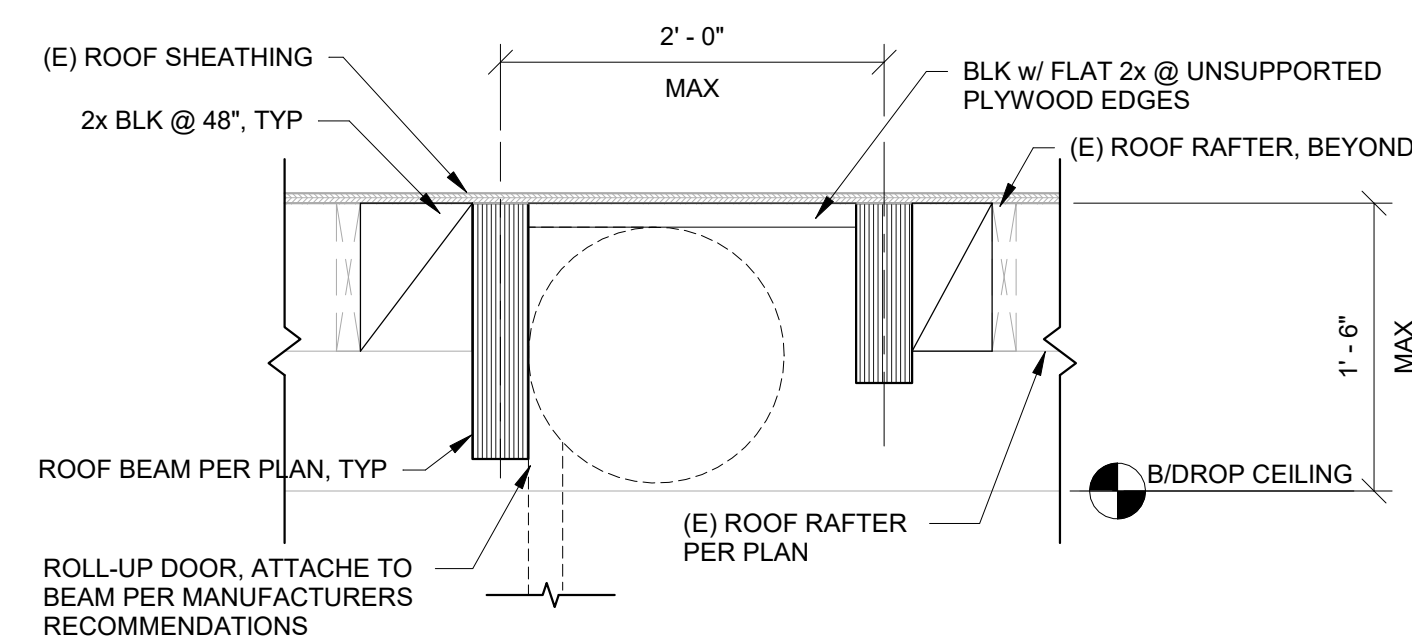
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SCALE: 1 1/2" = 1'-0"

HSS TO EXIST. WF

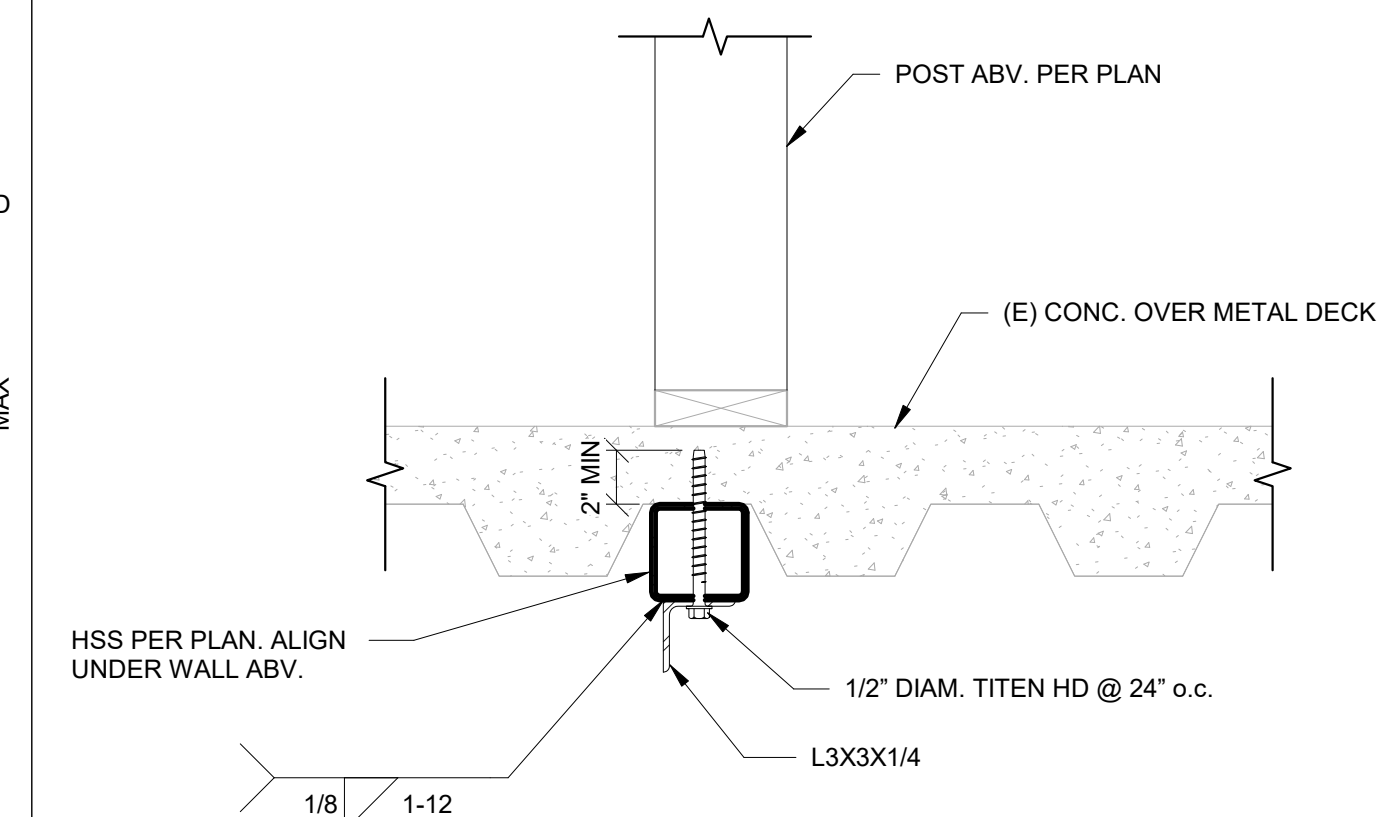
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SCALE: 1" = 1'-0"

BLOCKING AT NEW ROOF BEAMS

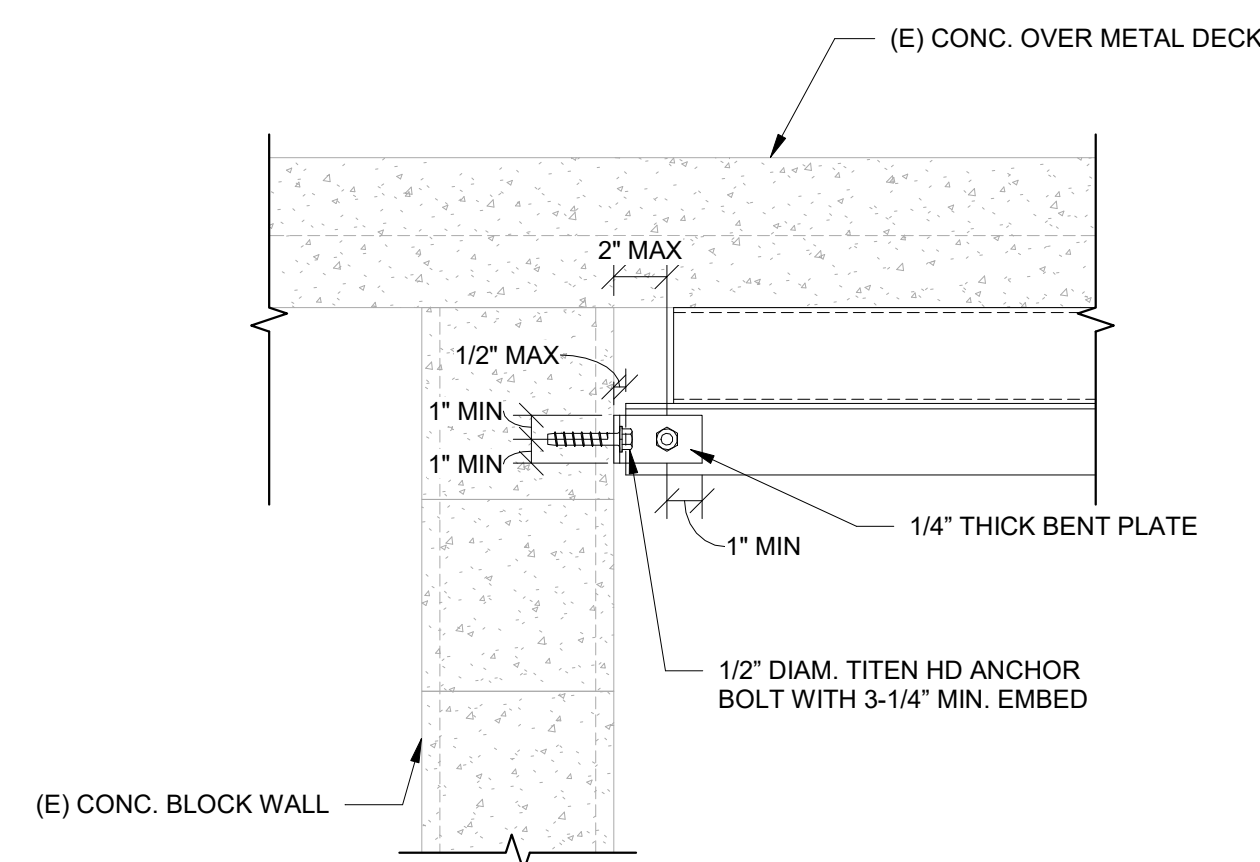
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SCALE: 1 1/2" = 1'-0"

HSS PARALLEL TO METAL DECK

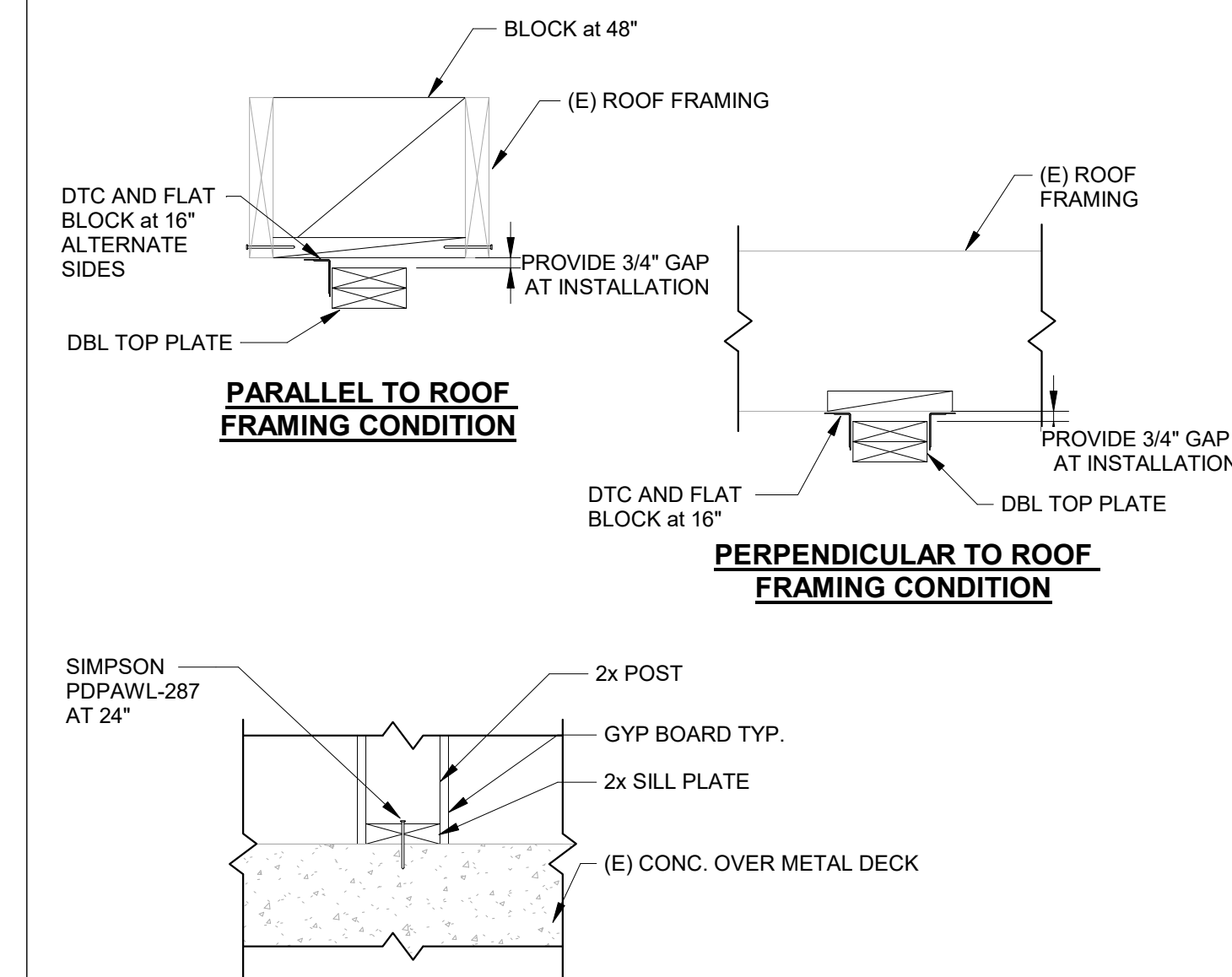
2



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

HSS TO EXIST. WALL

4



SCALE: 1" = 1'-0"

NON BEARING WALL CONNECTIONS

1



8/13/20

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ISSUE DATE 8/13/20

SCALE As indicated

FRAMING DETAILS



MECHANICAL SYMBOL LIST

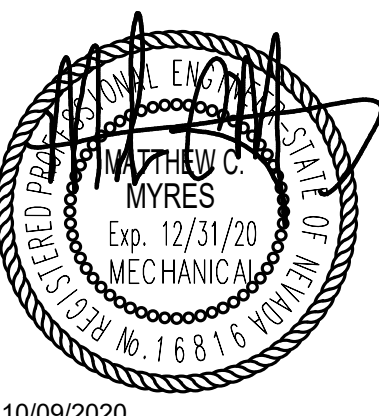
(NOTE: ALL OF THE SYMBOLS INDICATED BELOW MAY NOT APPEAR ON THIS PROJECT)

	DUCT W/ SIZE INDICATED (FIRST FIG. IS SIDE SHOWN)		BRANCH - BOTTOM CONNECTION
	V.D. MANUAL VOLUME / BALANCING DAMPER		BRANCH - SIDE CONNECTION
	DUCT WITH ACOUSTIC LINING		ARROW INDICATES DIRECTION OF FLOW
	F.D.R. FIRE DAMPER		A.P. ACCESS PANEL
	S.D. SMOKE DAMPER		MECHANICAL EQUIPMENT INDICATED (SEE SCHEDULE)
	F.S.D. COMBINATION FIRE / SMOKE DAMPER		DIFFUSER OR GRILLE INDICATED (SEE SCHEDULE)
	EX. EXTRACTOR		T. THERMOSTAT
	SQUARE TO ROUND DUCT TRANSITION		S.E.N. SENSOR
	TR. DUCT SIZE TRANSITION		S.D.E.T. SMOKE DETECTOR
	FLEXIBLE DUCT CONNECTOR		T.C.C. TEMPERATURE CONTROL PANEL
	FLEXIBLE DUCT		P.O.D. POINT OF DISCONNECT
	SD. SPLITTER DAMPER		P.O.C. POINT OF CONNECTION
	T.V.'S. TURNING VANES		AFF. ABOVE FINISHED FLOOR
	S.A. SUPPLY AIR DUCT DOWN		AFG. ABOVE FINISHED GRADE
	S.A. SUPPLY AIR DUCT UP		BDD. BACKDRAFT DAMPER
	R.A. RETURN AIR DUCT DOWN		BHP. BRAKE HORSEPOWER
	R.A. RETURN AIR DUCT UP		BTUH. BRITISH THERMAL UNITS PER HOUR
	E.A. EXHAUST AIR DUCT DOWN		CFH. CUBIC FEET PER HOUR
	E.A. EXHAUST AIR DUCT UP		CFM. CUBIC FEET PER MINUTE
	M.D. MOTORIZED DAMPER		CLG. CEILING
	O.B.D. OPPOSED BLADE DAMPER		DB. DRY BULB TEMPERATURE
	RD. REFRIGERANT DISCHARGE PIPING		DN. DOWN
	RL. REFRIGERANT LIQUID PIPING		(E). EXISTING
	RS. REFRIGERANT SUCTION PIPING		EAT. ENTERING AIR TEMPERATURE
	S.T.R. STRAINER		ESP. EXTERNAL STATIC PRESSURE
	S.T.R. STRAINER WITH 3/4" HOSE END DRAIN VALVE		EWT. ENTERING WATER TEMPERATURE
	P.T.R. PRESSURE - TEMPERATURE RELIEF VALVE		GA. GAUGE
	RV. PRESSURE RELIEF VALVE		GAL. GALLON
	2VAL. 2-WAY CONTROL VALVE		GPH. GALLONS PER HOUR
	3VAL. 3-WAY CONTROL VALVE		GPM. GALLONS PER MINUTE
	U. UNION		HD. HEAD
	F. FLANGE		HP. HORSEPOWER
	FL. FLEXIBLE PIPING CONNECTOR		HR. HOUR
	CR. CONCENTRIC REDUCER		KW. KILOWATTS
	ER. ECCENTRIC REDUCER		LAT. LEAVING AIR TEMPERATURE
	P.R.G. PRESSURE GAUGE WITH GAUGE COCK		LPC. LOW PRESSURE CONDENSATE RETURN
	TH. THERMOMETER		LPS. LOW PRESSURE STEAM
	A.A.V. AUTOMATIC AIR VENT		LWT. LEAVING WATER TEMPERATURE
	M.A.V. MANUAL AIR VENT		MAX. MAXIMUM
	V.B. VACUUM BREAKER		MBH. BRITISH THERMAL UNITS PER HOUR (THOUSANDS)
	P.D. PIPING TEE DOWN		MIN. MINIMUM
	P.U. PIPING TEE UP		MUA. MAKE-UP AIR
	T.D.V. TRIPLE DUTY VALVE		(N). NEW
	P.U. PIPING ELBOW UP		NOM. NOMINAL
	P.D. PIPING ELBOW DOWN		OA. OUTSIDE AIR
	BRANCH - TOP CONNECTION		PD. PRESSURE DROP
			RPM. REVOLUTION PER MINUTE
			SF. SQUARE FEET
			SP. STATIC PRESSURE
			STD. STANDARD
			T. TEMPERATURE
			TDV. TRIPLE DUTY VALVE
			TYP. TYPICAL

GENERAL MECHANICAL NOTES

- DUE TO THE SMALL SCALE OF THE DRAWINGS, IT IS IMPOSSIBLE TO SHOW ALL REQUIRED OFFSETS, ELEVATIONS, ETC., IT IS THEREFORE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE REQUIRED, ROUTING, ELEVATION, AND PLACEMENT OF EQUIPMENT AND PROVIDE REQUIRED OFFSETS INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS AND THE SPECIFICATIONS TO MEET THE INTENT OF THE DESIGN. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE CUTTING, SAWCUTTING OPENINGS OF WALLS, CEILINGS, SOFFITS AS REQUIRED FOR THE INSTALLATION OF EQUIPMENT AND DUCTWORK AS REQUIRED.
- ALL DUCTWORK IN CONCEALED AREAS SHALL HAVE 1" FIBERGLASS BLANKET INSULATION W/ ALL-SERVICE JACKET MANUFACTURED FROM KRAFT PAPER, REINFORCING SCRIM, ALUMINUM FOIL, AND VINYL FILM. INSULATION SHALL HAVE A MOLD, HUMIDITY, AND EROSION RESISTANT SURFACE THAT COMPLIES W/ THE CURRENT MECHANICAL CODE AND ASTM C553, TYPE II. INSULATION APPLIED TO THE EXTERIOR OF ANY DUCTS SHALL HAVE A FLAME SPREAD RATING THAT IS IN ACCORDANCE WITH NFPA 255, ASTM E84 OR UL 723, THE MATERIALS USED SHALL HAVE A FLAME-SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT MORE THAN 50.
- ALL FACTORY PRODUCED AIR DUCT SHALL BE RATED FOR THE LISTED PRESSURES AND IN ACCORDANCE WITH THE ADOPTED MECHANICAL CODE. ALL DUCTWORK CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS AND REQUIREMENTS OF THE DUCT MANUAL AND SHEET METAL CONSTRUCTION FOR VENTILATING-AIR CONDITIONING SYSTEMS, LATEST EDITION, AS ISSUED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION, INC. (SMACNA). LOW PRESSURE ROUND DUCTS SHALL BE UNITED SHEET METAL SPIRAL UNIRIB DUCT WITH UNITED UNIWELD FITTINGS. MATERIALS SHALL BE GALVANIZED STEEL OF GAUGES SHOWN IN THE LOW PRESSURE MANUAL UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS.
- THE CONTRACTOR SHALL REVIEW ALL INSTALLATION INSTRUCTIONS FOR ALL EQUIPMENT TO BE SUBMITTED ON PRIOR TO BID AND PROVIDE ANY RFIS TO THE OWNER PRIOR TO BID. CONTRACTOR SHALL KEEP INSTALLATION INSTRUCTIONS FOR ALL LISTED EQUIPMENT ON THIS PROJECT AT THE JOBSITE AND SHALL HAVE THEM ACCESSIBLE FOR THE FIELD INSPECTOR UPON REQUEST.

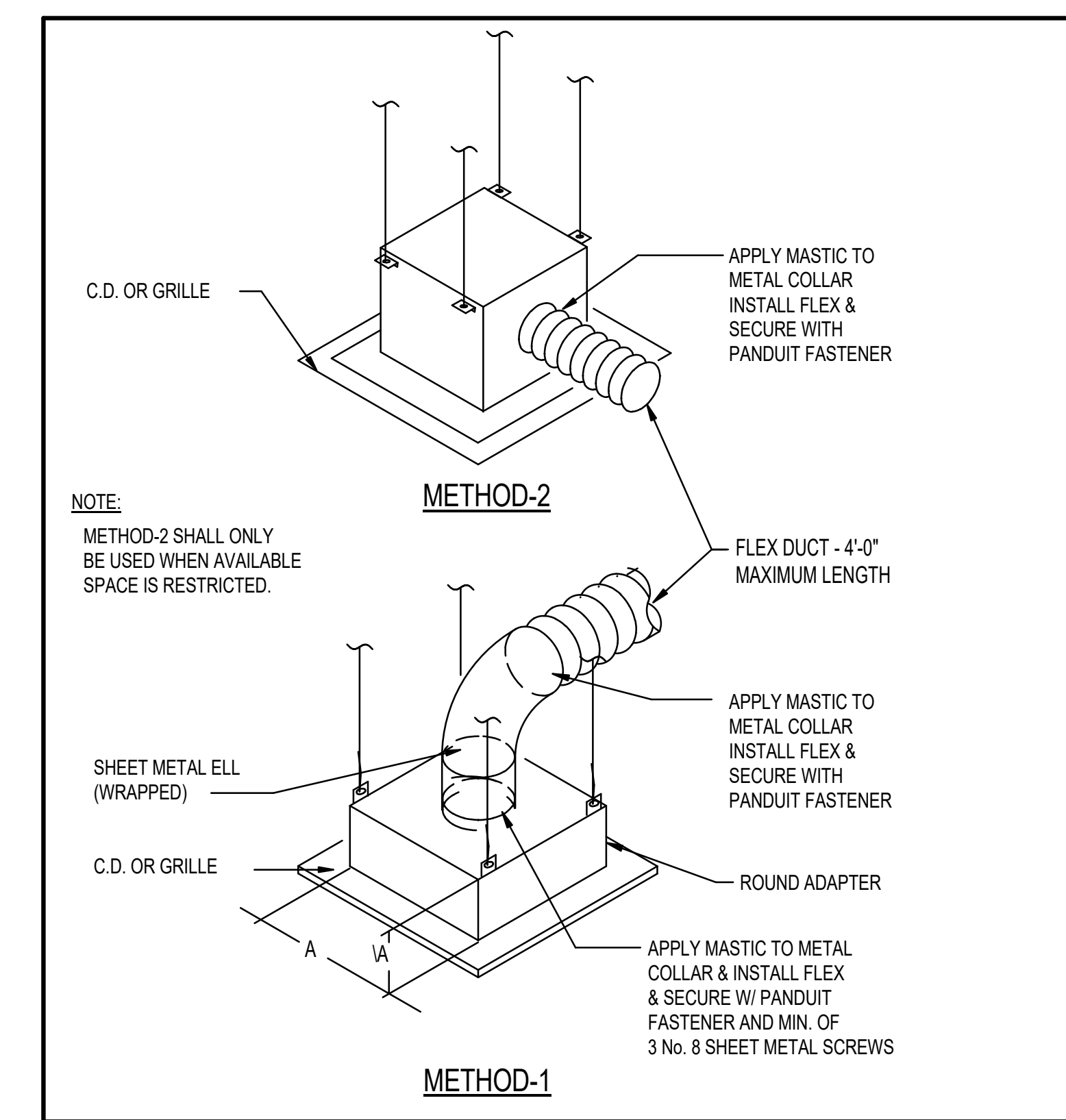
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 5370 KIETZKE LN., SUITE 100, RENO, NV 89511  
 PHONE: 775-787-7552  
 WWW.KIMLEY-HORN.COM



10/09/2020

DIFFUSER and REGISTER SCHEDULE

SYM	DESCRIPTION	MANUFACTURER and MODEL NUMBER	NECK SIZE	OBD	FINISH and MATERIAL	REMARKS
ES	EXISTING CEILING MOUNTED SUPPLY DIFFUSER	N/A	VARIES	N/A	VARIES	-
ER	EXISTING CEILING / WALL MOUNTED RETURN GRILLE	N/A	VARIES	N/A	VARIES	-
EE	EXISTING CEILING EXHAUST GRILLE	N/A	VARIES	N/A	VARIES	-
1	CEILING MOUNTED DIFFUSER, ROUND NECK, T-BAR, 3 WAY THROW, LAY-IN	KRUEGER SHV-03 SERIES	SEE PLANS	NO	STEEL	24"x24" MODULE. COORDINATE FRAME TYPE WITH THE NEW CEILING CONDITIONS
2	CEILING MOUNTED DIFFUSER, ROUND NECK, HIGH PERFORMANCE, 4 WAY THROW, LAY-IN	KRUEGER 1400 SERIES	SEE PLANS	NO	STEEL	24"x24" MODULE. COORDINATE FRAME TYPE WITH THE NEW CEILING CONDITIONS
3	CEILING MOUNTED RETURN GRILLE, LAY-IN, EGGRATE GRID	KRUEGER EGC5 SERIES	SEE PLANS	NO	WHITE ALUMINUM	24"x24" MODULE. COORDINATE FRAME TYPE WITH THE NEW CEILING CONDITIONS
4	CEILING MOUNTED EXHAUST GRILLE, SURFACE MOUNT, EGGRATE GRID	KRUEGER EGC5 SERIES	10"x10"	NO	WHITE ALUMINUM	10"x10" MODULE. COORDINATE FRAME TYPE WITH THE NEW CEILING CONDITIONS



1 LAY IN CEILING DIFFUSER DETAIL  
 SCALE: NONE

MECHANICAL SYMBOLS AND LEGEND  
**m001**

**CITY OF SPARKS**  
**CITY HALL**  
 City of Sparks, Nevada

431 Prater Way

No.	Description	Date

**PERMIT SET**  
 192079012 192079013  
 192079014  
 10/9/2020 1:07:21 PM



# 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 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 2012 INTERNATIONAL BUILDING CODE (IBC), 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2012 INTERNATIONAL FIRE CODE (IFC), 2012 UNIFORM MECHANICAL CODE (UMC), 2012 UNIFORM PLUMBING CODE (UPC), 2011 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

- FURNISH FOUR (4) SETS OF SUBMITTALS (BOUND WITH COVER) OF MANUFACTURER'S DATA SHEETS FOR ALL MATERIALS AND EQUIPMENT FOR APPROVAL OF THE ARCHITECT/ENGINEER PRIOR TO PURCHASE AND INSTALLATION. INCOMPLETE SUBMITTALS WILL NOT BE REVIEWED.
- ELECTRONIC SUBMITTALS IN ADOBE PDF FORMAT, IN LIEU OF PAPER COPIES, WILL ONLY BE ACCEPTED IF PRIOR WRITTEN AUTHORIZATION IS GRANTED BY THE OWNER.
- SUBSTITUTIONS  
  
SUBSTITUTION IS ANY EQUIPMENT OR MATERIAL OTHER THAN THAT LISTED BY THE MANUFACTURER AND MODEL NUMBER IN THE EQUIPMENT SCHEDULE OR THIS SPECIFICATION.  
  
REQUIREMENTS FOR SUBMISSION OF SUBSTITUTE PRODUCTS FOR APPROVAL:  
  
A. SUBMITTAL SHEETS SHOWING SEVERAL TYPES OR SIZES OF EQUIPMENT SHALL BE CLEARLY MARKED TO INDICATE THE SPECIFIC EQUIPMENT BEING PROPOSED.  
  
B. A REQUEST FOR SUBSTITUTION OR APPROVED EQUAL CONSTITUTES A REPRESENTATION THAT CONTRACTOR HAS INVESTIGATED THE PROPOSED PRODUCT AND DETERMINED THAT IT IS EQUAL TO OR SUPERIOR IN ALL RESPECTS TO THAT SPECIFIED, WILL PROVIDE THE SAME WARRANTIES OR BONDS FOR THE PROPOSED PRODUCT AS FOR THE PRODUCT SPECIFIED, WILL COORDINATE THE INSTALLATION OF AN ACCEPTED PRODUCT INTO THE WORK AND MAKE SUCH OTHER CHANGES AS MAY BE REQUIRED TO MAKE THE WORK COMPLETE IN ALL RESPECTS, WAIVES ALL CLAIMS FOR ADDITIONAL COSTS UNDER HIS RESPONSIBILITY WHICH MAY SUBSEQUENTLY BECOME APPARENT, WILL PAY FOR ANY ADDITIONAL COSTS ASSOCIATED WITH THE SUBSTITUTION INCLUDING ADDITIONAL WORK REQUIRED BY THE STRUCTURAL AND/OR ELECTRICAL CONTRACTOR OR ANY OTHER TRADE INCLUDING ADDITIONAL DESIGN WORK REQUIRED BY THE OWNER AND ANY CONSULTANT. ANY SUBSTITUTE PRODUCT WHICH DOES NOT GIVE SATISFACTORY RESULTS IN THE OPINION OF THE OWNER SHALL BE REPLACED WITH THE SPECIFIED PRODUCT AT NO COST TO THE OWNER, OR CONSULTANTS.
- 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 ONE (1) SET OF AS-BUILT DRAWINGS AND THREE SETS OF OPERATING AND MAINTENANCE INSTRUCTIONS (BOUND IN 3-RING BINDERS).

## 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.
- ALL EXISTING EQUIPMENT REMOVED DURING THE COURSE OF THIS PROJECT SHALL BE OFFERED TO OWNER AND SHALL BE DELIVERED TO OWNER ON SITE. ALL REMAINING EQUIPMENT BECOMES THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

## 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.

## 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 2012 IBC.
- REFERENCES: INTERNATIONAL BUILDING CODE (IBC) SECTION 1613.1, AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE 7) 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. EQUIPMENT

- EQUIPMENT SHALL BE AS SPECIFIED IN THE EQUIPMENT SCHEDULE OR AN APPROVED EQUAL IF NOTED.
- INSTALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
- SECURELY FASTEN ALL EQUIPMENT TO PREVENT MOVEMENT DUE TO WIND OR SEISMIC FORCES.

## I. 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.
- RECTANGULAR AND ROUND DUCTWORK SHALL BE CONSTRUCTED FROM GALVANIZED STEEL IN ACCORDANCE WITH THE LATEST EDITION S.M.A.C.N.A. "HVAC DUCT CONSTRUCTION STANDARDS" FOR 2" W.G. PRESSURE SYSTEMS. FIBERGLASS DUCT WILL NOT BE PERMITTED.
- 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.
- FITTINGS: ROUND TO RECTANGULAR DUCT CONNECTIONS SHALL BE MADE AS SHOWN ON DRAWINGS OR WITH CONICAL SHAPED PREFORMED FITTINGS. TURNING VANES SHALL BE USED FOR ALL MITERED ELBOWS IN RECTANGULAR DUCT. CENTERLINE RADIUS OF ALL ELBOWS SHALL BE ONE AND ONE HALF TIMES THE DIAMETER OF THE DUCT.
- 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.
- ALL DUCT JOINTS SHALL BE SEALED WITH S.M.A.C.N.A. APPROVED TAPE AND POLYMER ADHESIVES AIR SEAL #33 OR DESIGN POLYMERICS #DP1010 WATER BASED DUCT SEALANT OR APPROVED EQUAL.
- AT ALL DUCT CONNECTIONS TO UNITS, AND WHERE INDICATED, FURNISH AND INSTALL HEAVY FLEXIBLE CONNECTIONS 6" MINIMUM LENGTH. MATERIAL USED FOR FLEXIBLE CONNECTIONS SHALL BE VENTFAB AS MANUFACTURED BY VENTFABRIC, METALFAB AS MANUFACTURED BY DURODYNE, OR APPROVED EQUAL.
- FLEXIBLE DUCTWORK LOCATED WITHIN THE CONDITIONED 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, 1 1/2" THICK FIBERGLASS INSULATION FOR AN INSULATING VALUE OF R4.2, AND AN OUTER VAPOR BARRIER JACKET OF METALIZED POLYESTER FILM. FLEXIBLE DUCT TO BE ATCO UPC-030. FLEXIBLE DUCT RUNOUTS SHALL NOT EXCEED 5 FEET IN LENGTH.
- 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 R6, 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.
- 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 1/2" 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-031. 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.

## J. 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.

## K. DUCT INSULATION

- ACCEPTABLE MANUFACTURERS: CERTANTEED, KNAUF, JOHNS MANVILLE, AND OWENS CORNING.
- ROUND SUPPLY AND RETURN DUCT AND FITTINGS LOCATED WITHIN THE CONDITIONED SPACE SHALL BE EXTERNALLY INSULATED WITH JOHNS MANVILLE MICROLITE 75 (OR EQUAL) 1 1/2" THICK, 3/4# DENSITY FIBERGLASS BLANKET INSULATION WITH FSK VAPOR BARRIER JACKET. ROUND SUPPLY AND RETURN DUCT AND FITTINGS EXPOSED WITHIN THE AREA THAT IT SERVES SHALL NOT BE INSULATED.
- RECTANGULAR SUPPLY AND RETURN DUCT AND FITTINGS LOCATED WITHIN THE CONDITIONED SPACE SHALL BE INTERNALLY LINED WITH JOHNS MANVILLE PERMACOTE LINACOUSTIC R-300 (OR EQUAL) 1" THICK, 1 1/2# DENSITY ACOUSTICAL DUCT LINER. ADJUST DUCT SIZE TO ACCOMMODATE LINER AND GIVE NET DIMENSIONS SHOWN ON DRAWINGS.
- 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.
- RECTANGULAR SUPPLY AND RETURN DUCT AND FITTINGS LOCATED IN UNCONDITIONED SPACE SHALL BE INTERNALLY LINED WITH JOHNS MANVILLE PERMACOTE LINACOUSTIC R-300 (OR EQUAL) 1 1/2" THICK, R-6 MINIMUM INSULATING VALUE, 1 1/2# DENSITY ACOUSTICAL DUCT LINER. ADJUST DUCT SIZE TO ACCOMMODATE LINER AND GIVE NET DIMENSIONS SHOWN ON DRAWINGS.

## L. OTHER MATERIAL

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

## M. 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.
- AIR BALANCE CONTRACTOR TO SUPPLY NEW DRIVE COMPONENTS REQUIRED TO PROVIDE AIR FLOWS INDICATED. THE DRIVE SHALL BE SELECTED AT NOT LESS THAN TWO TIMES THE RATE NAME PLATE HORSEPOWER OF THE FAN MOTOR AND BE FIXED PITCH (VARIABLE PITCH SHEAVES WILL NOT BE PERMITTED EXCEPT TO DETERMINE PROPER SHEAVE SIZE).
- AIR SYSTEM: ALL COMPONENTS SHALL BE TESTED AND ADJUSTED TO -0 TO +10%. REPORT SHALL INCLUDE SCHEDULED (NAMEPLATE) AND TESTED DATA. PROVIDE FAN/MOTOR RPM, AIR PRESSURE DROP FOR INDIVIDUAL COMPONENTS, TSP, ESP, CFM, VOLTAGE, AMPS, HP, AND SHEAVE SIZES (AS APPLICABLE) FOR ALL EQUIPMENT, AIR OUTLETS, AND AIR INLETS.
- DIFFUSERS, GRILLES, REGISTERS: ADJUST THROW PATTERN AS SHOWN ON THE DRAWINGS. ADJUST AIR QUANTITIES WITHIN -0 TO +10% OF THE DESIGN AIR QUANTITIES.

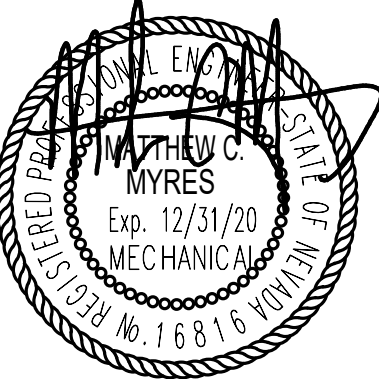
## N. IDENTIFICATION

- 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.
- IDENTIFY ALL EQUIPMENT WITH PLASTIC NAMEPLATES.
- IDENTIFY CONTROL PANELS AND MAJOR COMPONENTS OUTSIDE PANELS WITH PLASTIC NAMEPLATES. TAG AUTOMATIC CONTROLS, INSTRUMENTS, AND RELAYS. KEY TO CONTROL SCHEMATIC.

## O. RELATED WORK

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

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# MECHANICAL SPECIFICATIONS m002

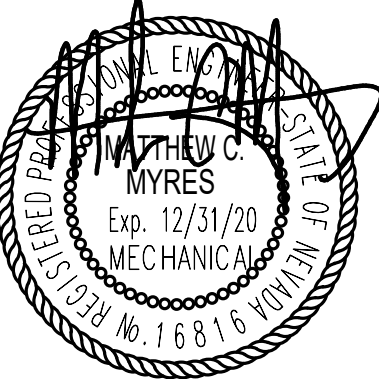
**CITY OF SPARKS**  
**CITY HALL**  
City of Sparks, Nevada

**431 Prater Way**

No.	Description	Date

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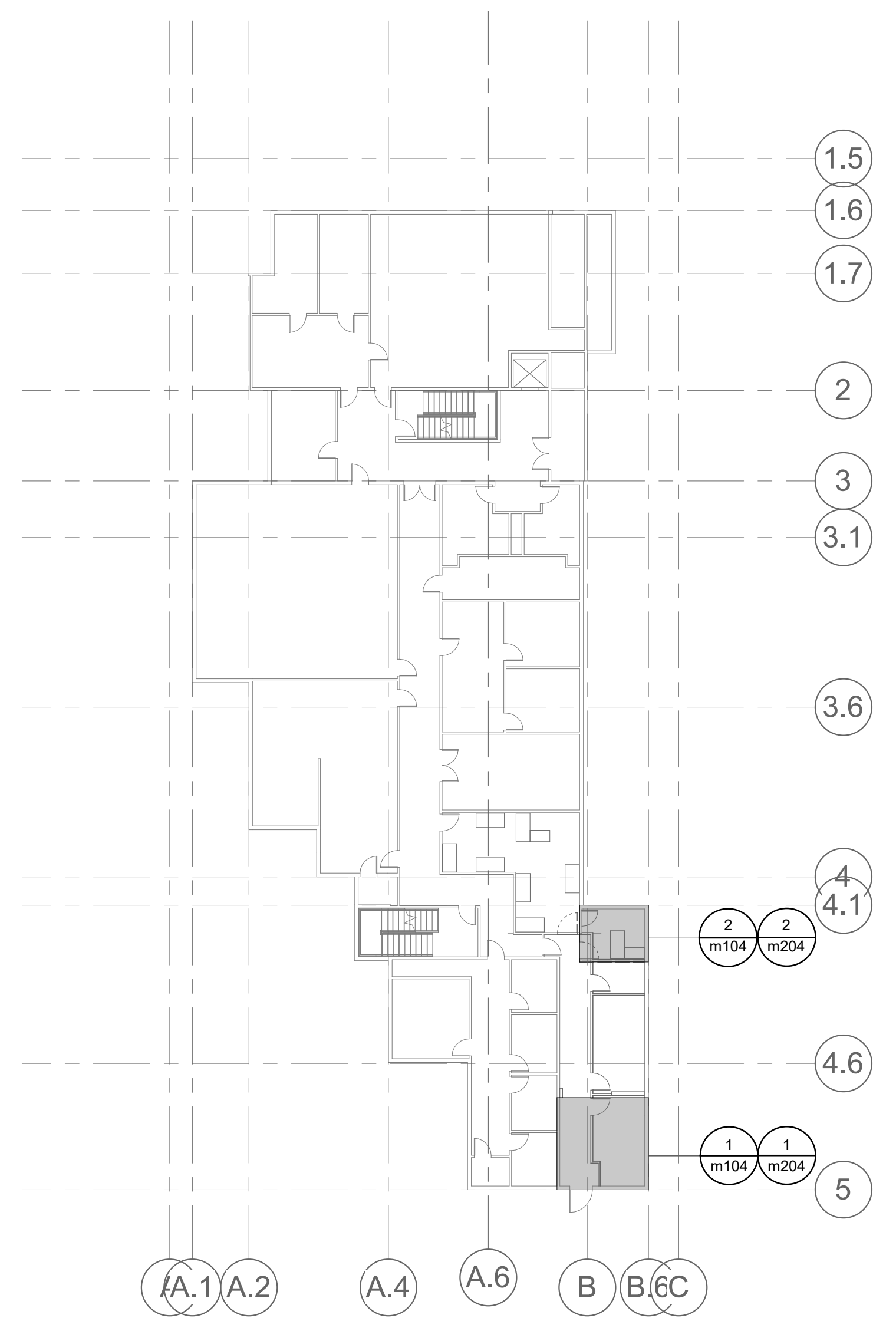




10/09/2020



**1** OVERALL PLAN - MAIN LEVEL  
 SCALE: 1" = 20'-0"



**2** OVERALL PLAN - BASEMENT  
 SCALE: 1" = 20'-0"

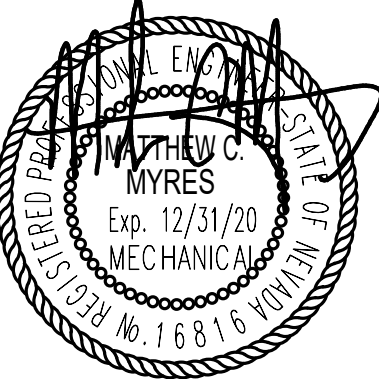
**OVERALL PLAN**  
**m100**

**CITY OF SPARKS**  
**CITY HALL**  
 City of Sparks, Nevada

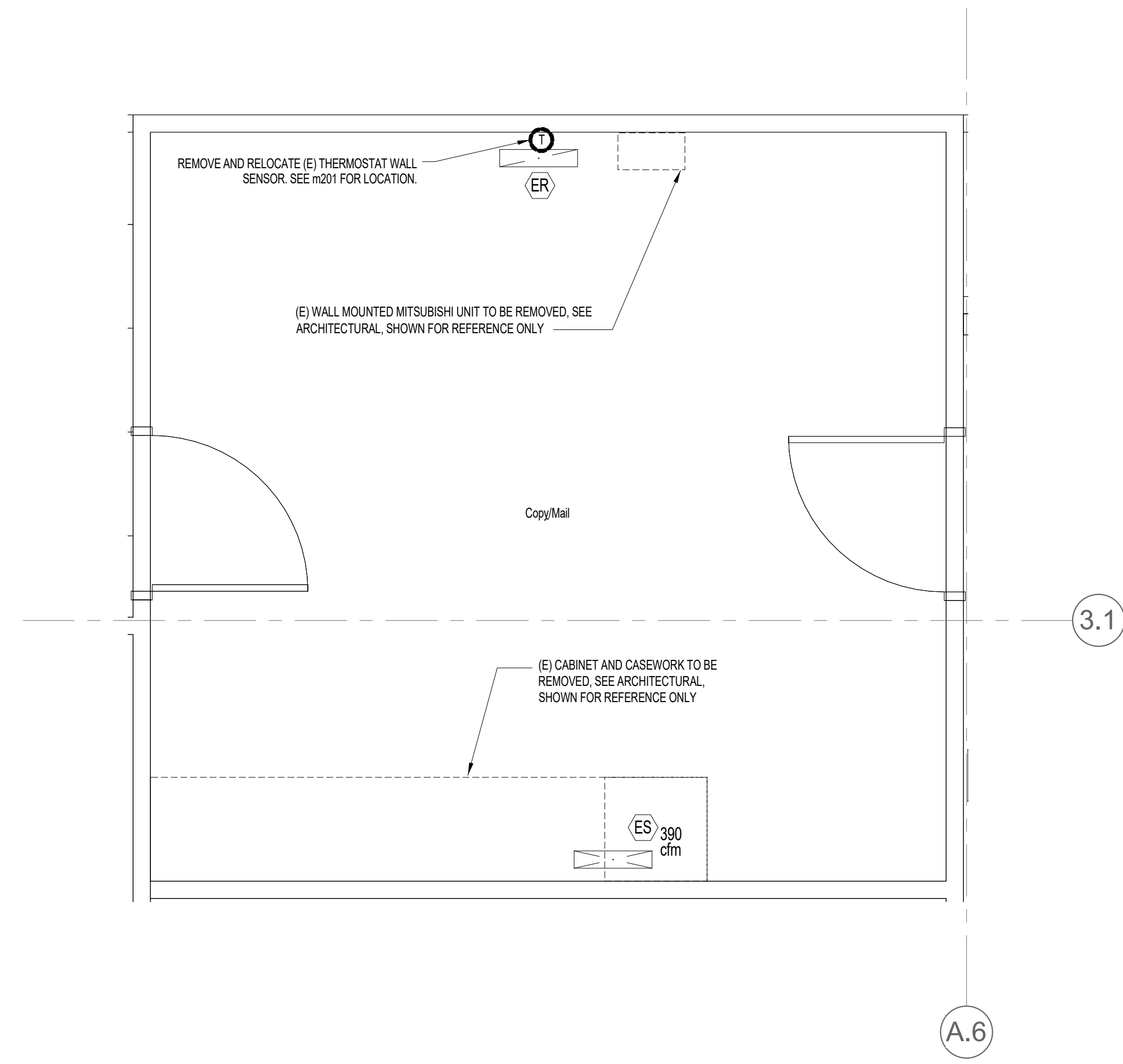
**431 Prater Way**

No.	Description	Date





10/09/2020



**1** CUSTOMER SERVICE MECHANICAL PLAN - DEMO  
 SCALE: 1/2" = 1'-0"

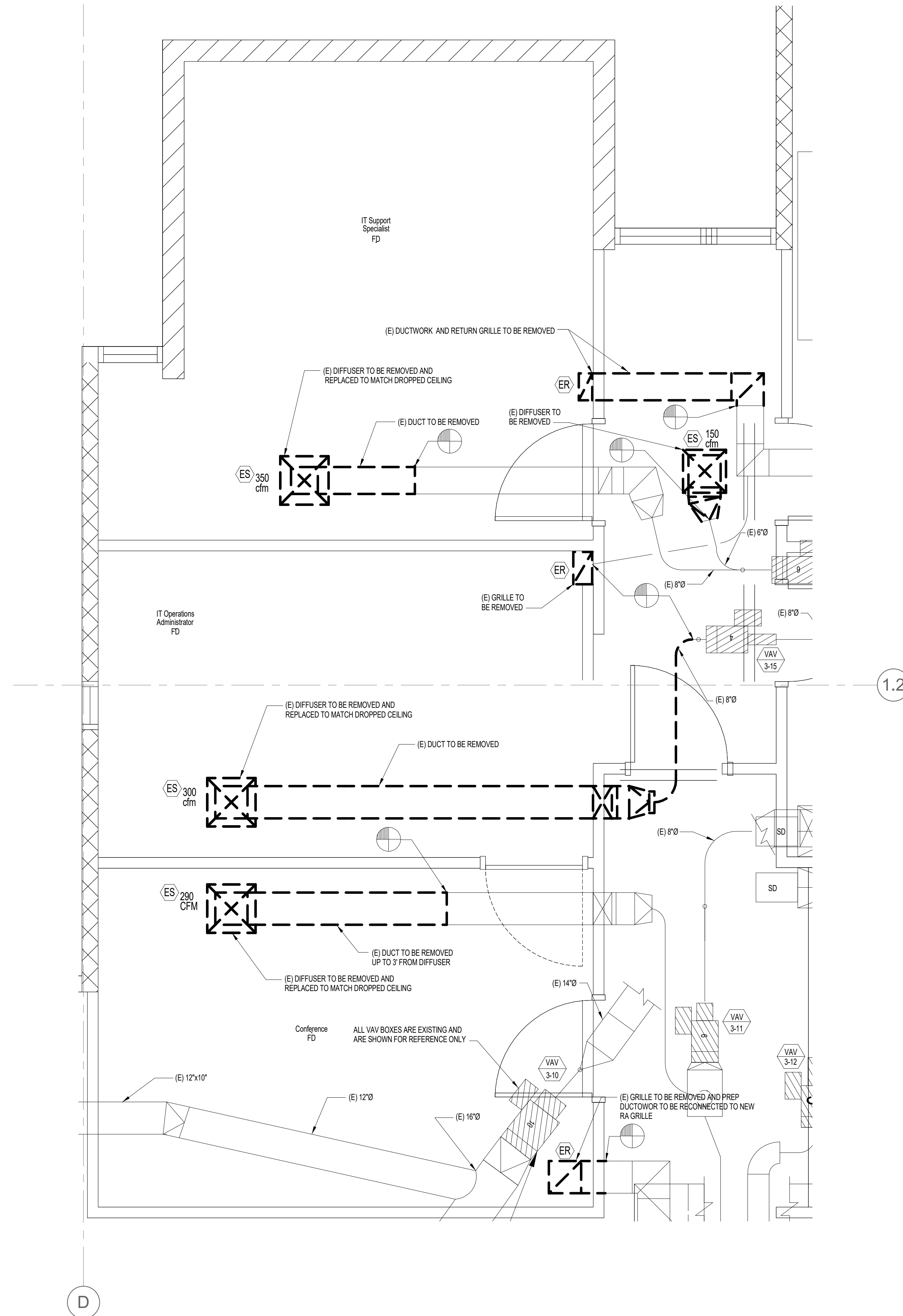
**CUSTOMER SERVICE  
 MECHANICAL DEMO  
 PLAN  
 m101**

**CITY OF SPARKS  
 CITY HALL**  
 City of Sparks, Nevada

**431 Prater Way**

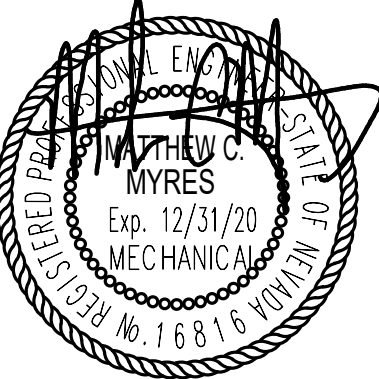
No.	Description	Date





GENERAL NOTE:  
 1. SEE SHEET m202 FOR NEW DUCTWORK LAYOUT.  
 2. CONTRACTOR MUST BE SELECTIVE WITH THE REMOVAL OF (E) DUCTWORK AND SHALL PREP THE (E) DUCTWORK TO REMAIN FOR RECONNECTION TO NEW.

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IT OFFICES  
 MECHANICAL DEMO  
 PLAN  
**m102**

**CITY OF SPARKS  
 CITY HALL**  
 City of Sparks, Nevada

431 Prater Way

No.	Description	Date

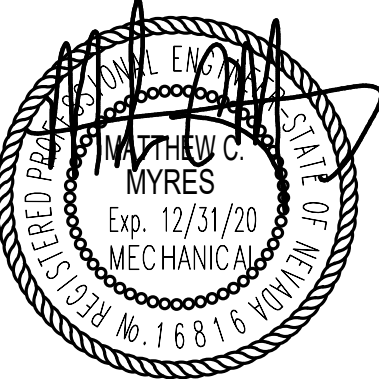
**1** IT OFFICES MECHANICAL PLAN - DEMO  
 SCALE: 1/2" = 1'-0"

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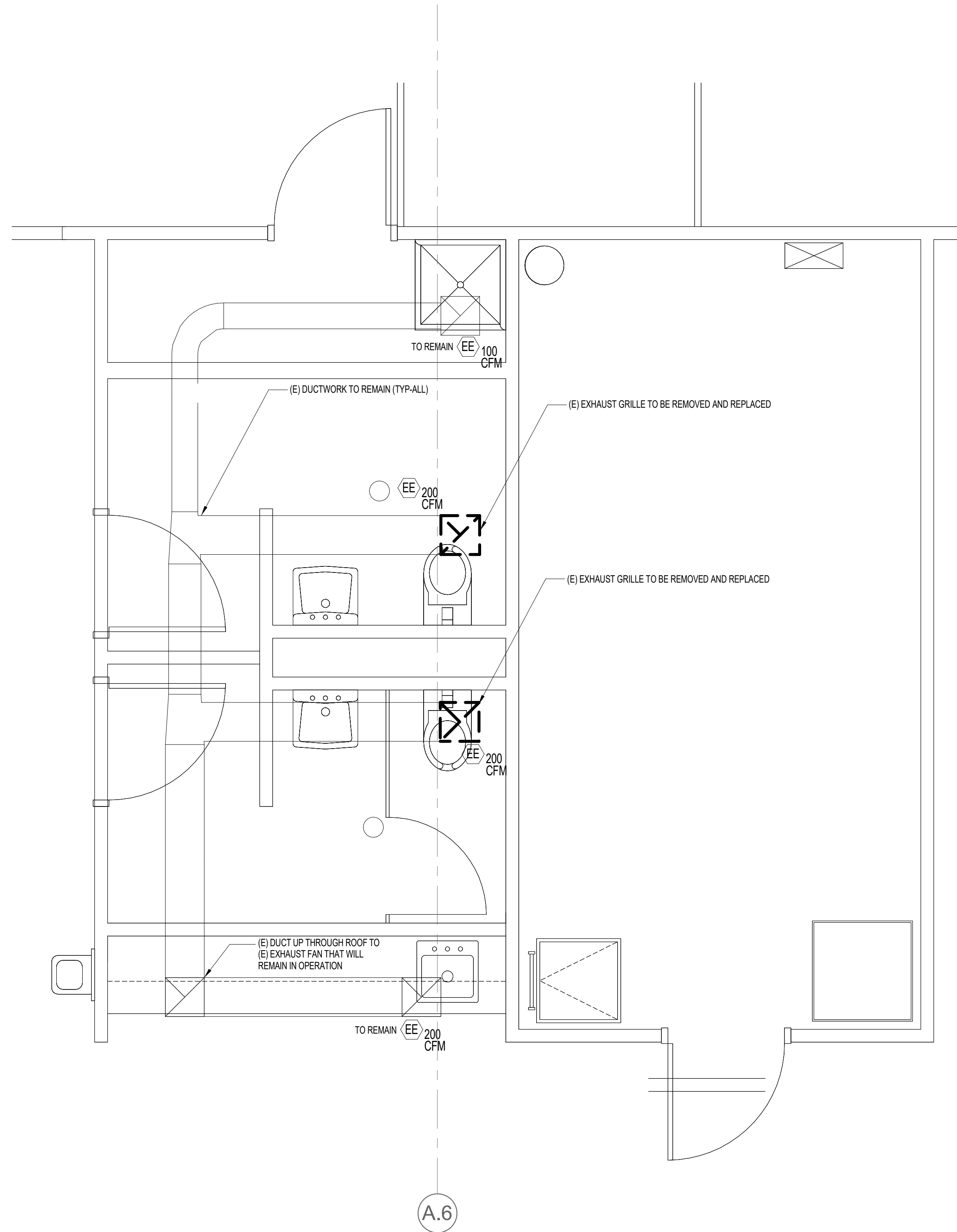


GENERAL NOTE:  
 1. SEE SHEET m203 FOR NEW DUCTWORK LAYOUT.  
 2. CONTRACTOR MUST BE SELECTIVE WITH THE REMOVAL OF (E) DUCTWORK AND SHALL PREP THE (E) DUCTWORK TO REMAIN FOR RECONNECTION TO NEW.

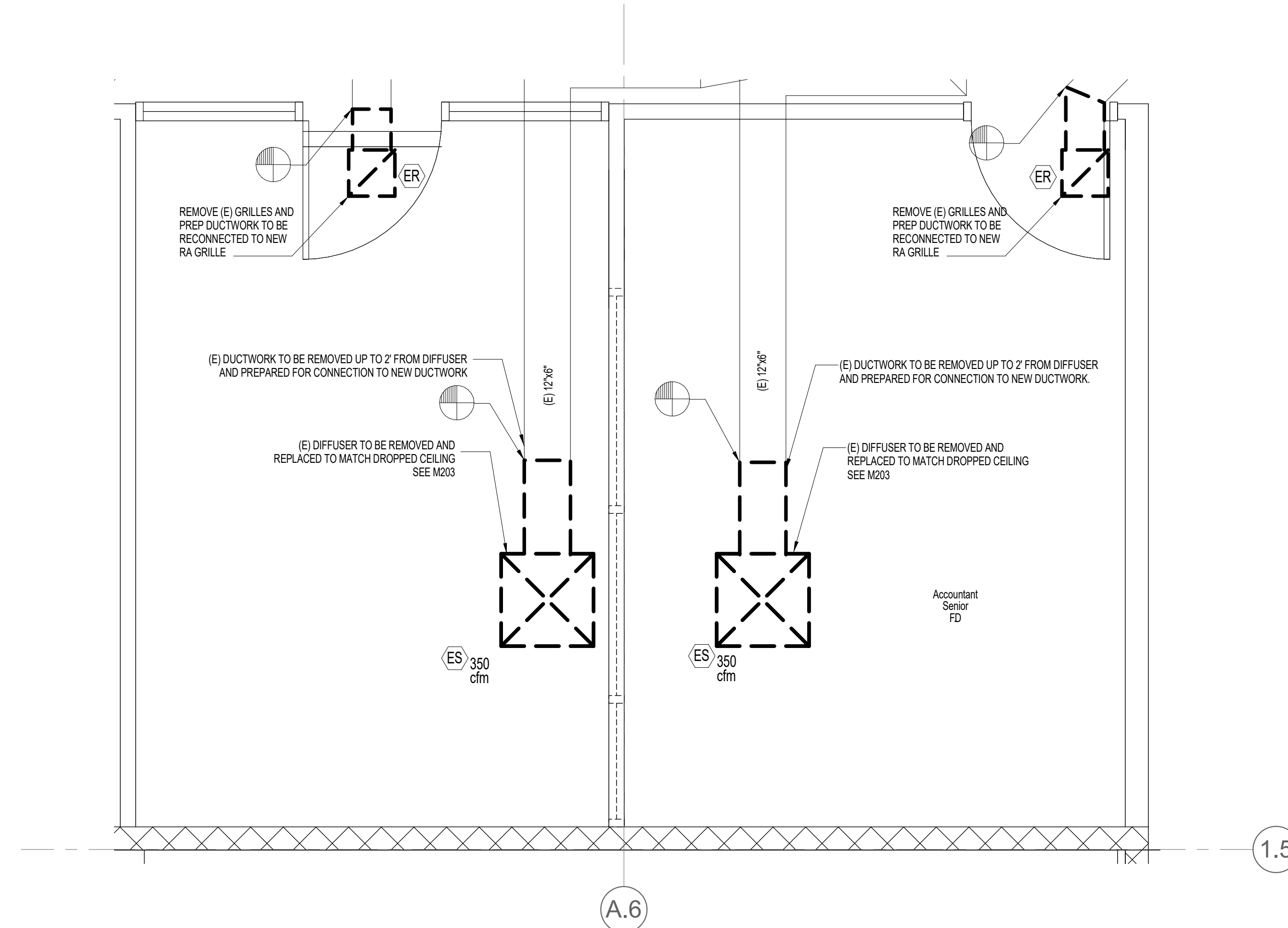
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**1** FINANCE RESTROOM MECHANICAL PLAN - DEMO  
 SCALE: 1/2" = 1'-0"



**2** FINANCE OFFICES MECHANICAL PLAN - DEMO  
 SCALE: 1/2" = 1'-0"

**FINANCE OFFICES  
 MECHANICAL DEMO  
 PLAN  
 m103**

**CITY OF SPARKS  
 CITY HALL**  
 City of Sparks, Nevada

**431 Prater Way**

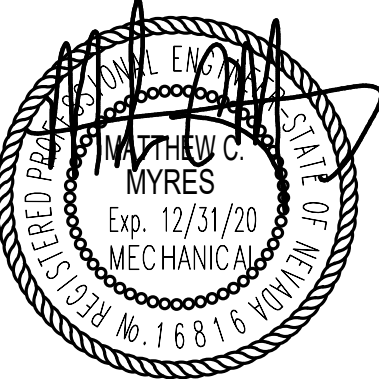
No.	Description	Date

**PERMIT SET**  
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GENERAL NOTE:  
 1. SEE SHEET m204 FOR NEW DUCTWORK LAYOUT.  
 2. CONTRACTOR MUST BE SELECTIVE WITH THE REMOVAL OF (E) DUCTWORK AND SHALL PREP THE (E) DUCTWORK TO REMAIN FOR RECONNECTION TO NEW.

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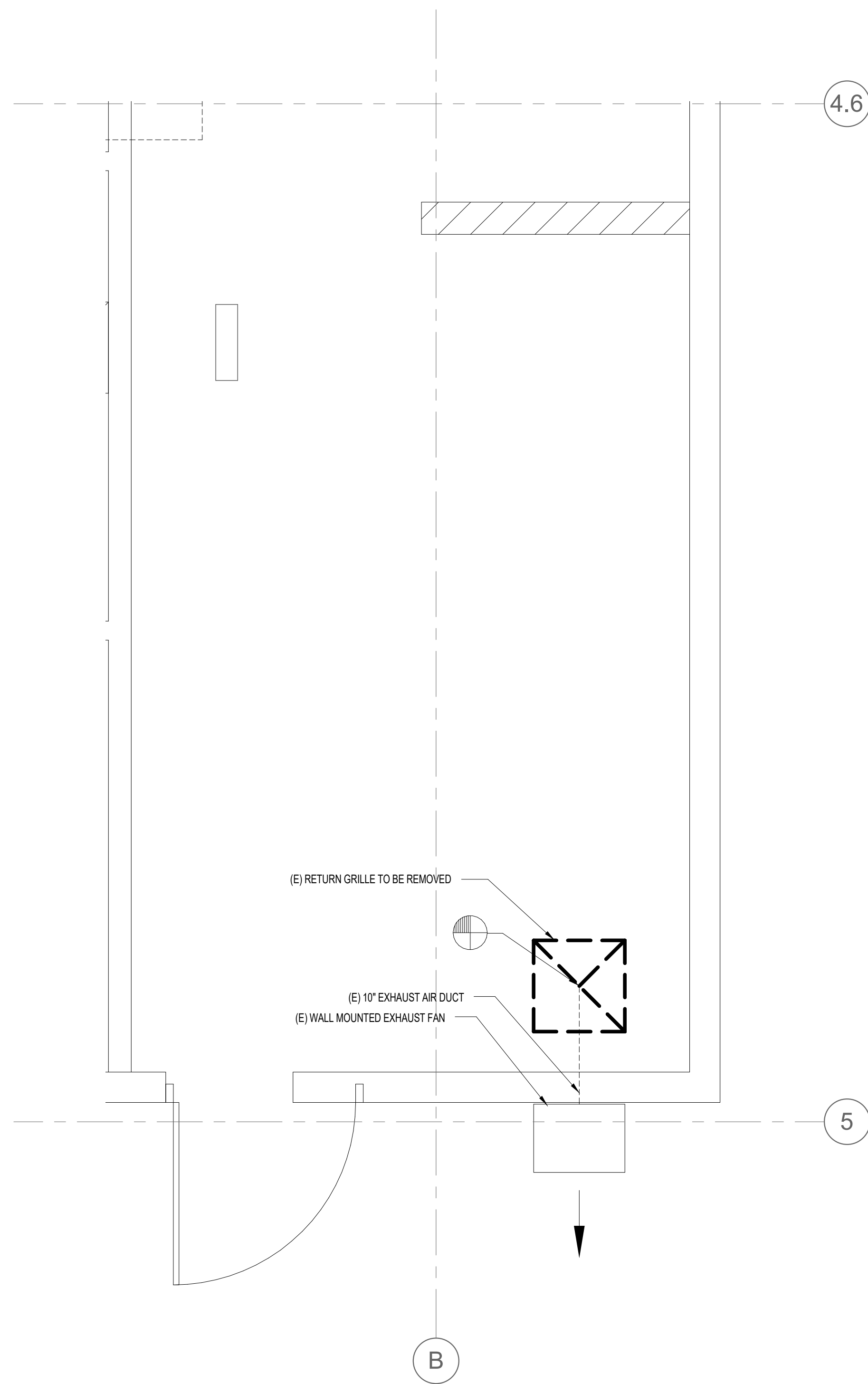
**BASEMENT  
 MECHANICAL DEMO  
 PLAN  
 m104**

**CITY OF SPARKS  
 CITY HALL**  
 City of Sparks, Nevada

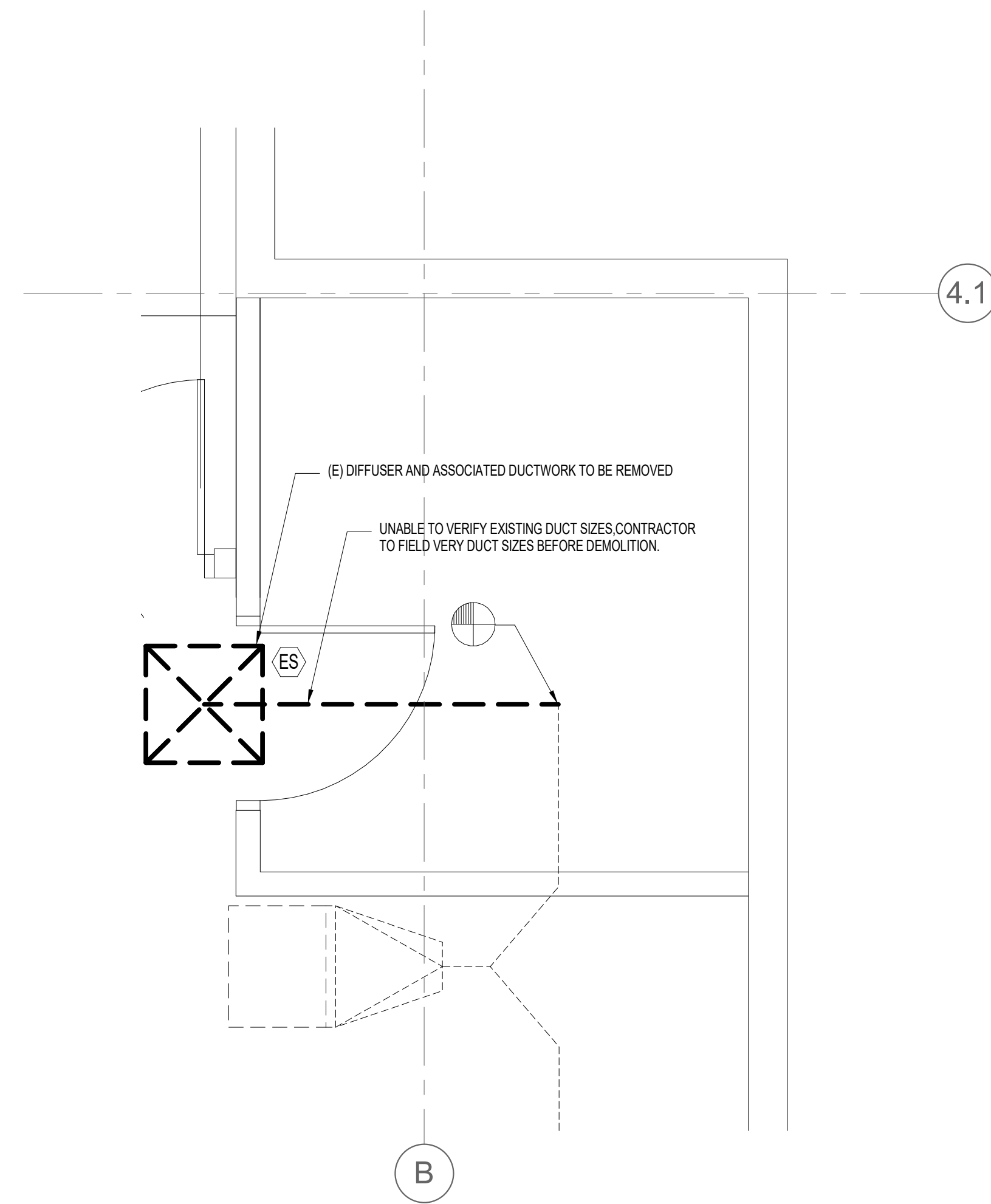
**431 Prater Way**

No.	Description	Date

**PERMIT SET**  
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**1** BASEMENT LEVEL - DEMO  
 SCALE: 1/2" = 1'-0"

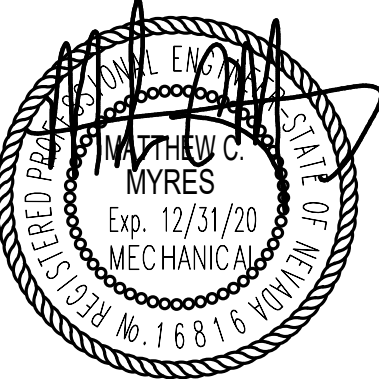


**2** BASEMENT LEVEL - DEMO ACCOUNTING ROOM  
 SCALE: 1/2" = 1'-0"

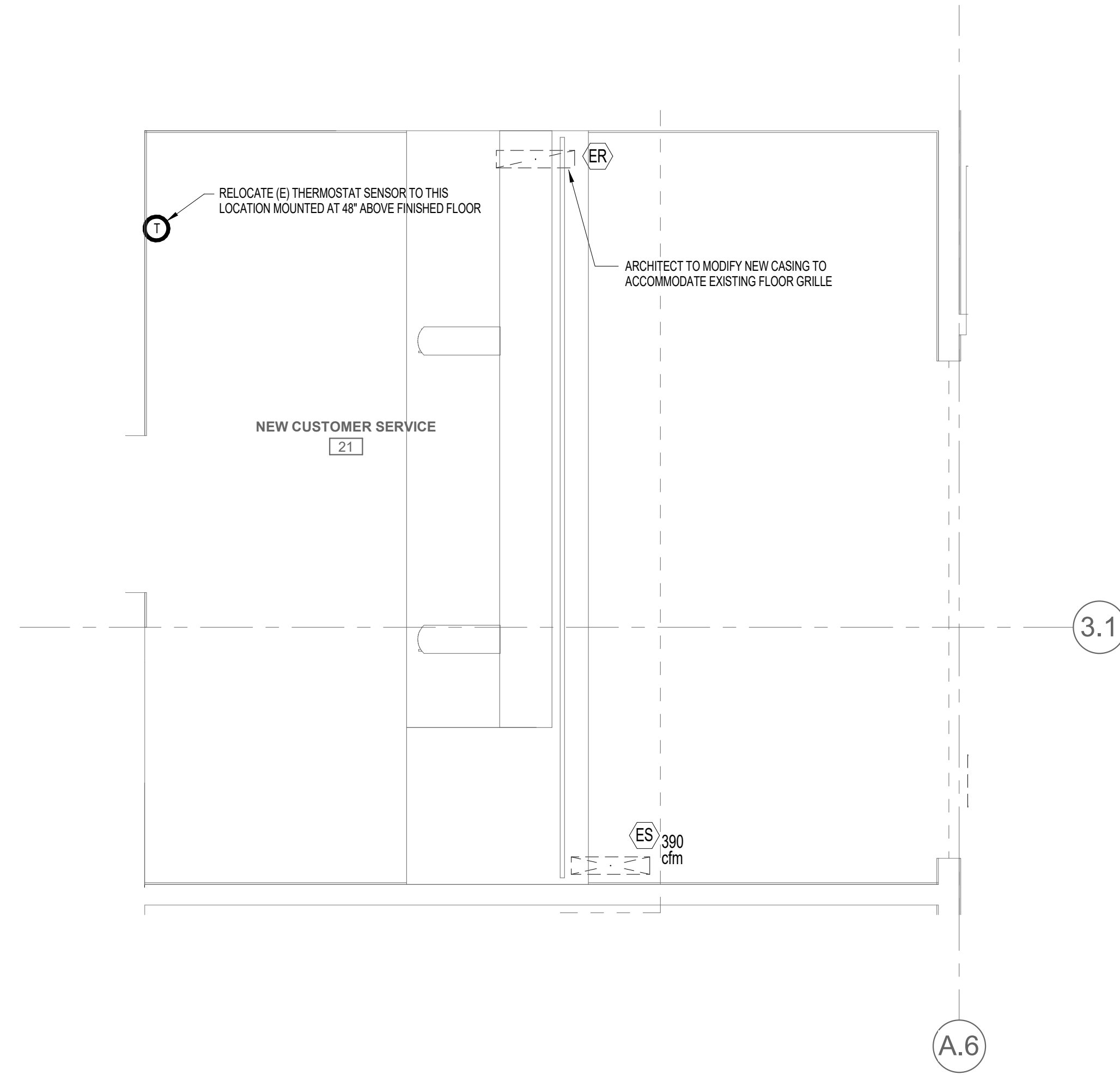


GENERAL NOTE:  
 1. ARCHITECT TO PROVIDE NEW DROP CEILING TO ACCOMMODATE NEW DIFFUSERS AND DUCT MODIFICATIONS.  
 2. PROVIDE ALL DUCT TRANSITIONS AS REQUIRED. FIELD VERIFY BEFORE ORDERING MATERIALS.

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**1** CUSTOMER SERVICE MECHANICAL PLAN  
 SCALE: 1/2" = 1'-0" (NO WORK IN THIS AREA, SHOWN FOR REFERENCE ONLY)

**CUSTOMER SERVICE  
 MECHANICAL PLAN  
 m201**

**CITY OF SPARKS  
 CITY HALL**  
 City of Sparks, Nevada

**431 Prater Way**

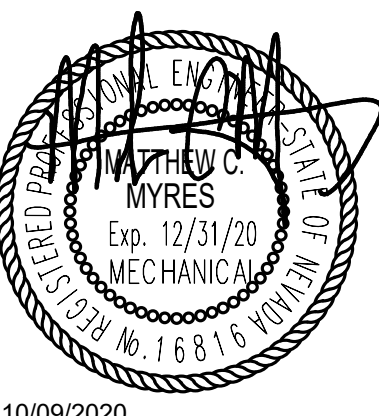
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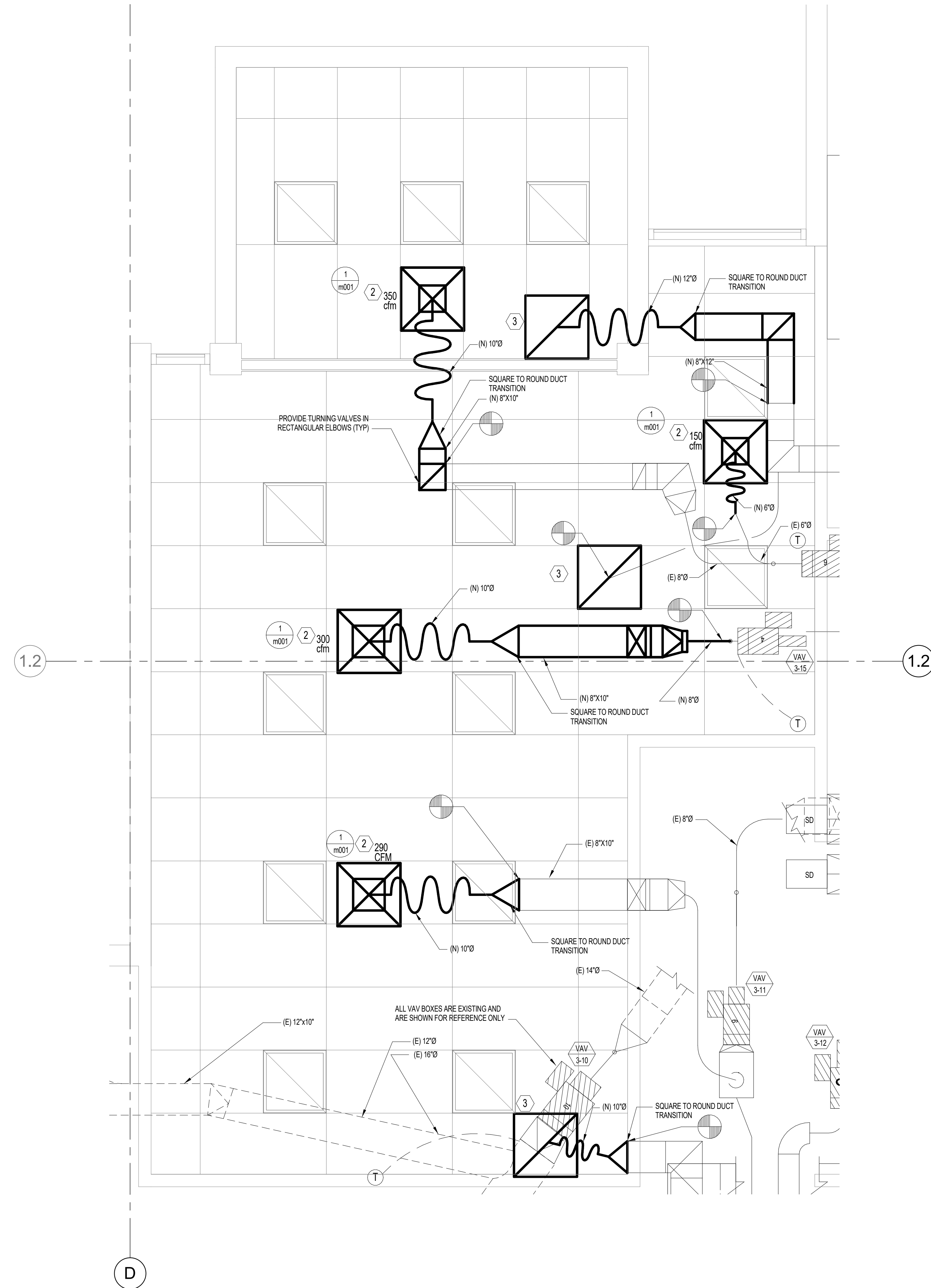


GENERAL NOTE:  
 1. ARCHITECT TO PROVIDE NEW DROP CEILING TO ACCOMMODATE NEW DIFFUSERS AND DUCT MODIFICATIONS.  
 2. PROVIDE ALL DUCT TRANSITIONS AS REQUIRED. FIELD VERIFY BEFORE ORDERING MATERIALS.

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IT OFFICES  
 MECHANICAL PLAN  
**m202**

**CITY OF SPARKS  
 CITY HALL**  
 City of Sparks, Nevada

**431 Prater Way**

No.	Description	Date

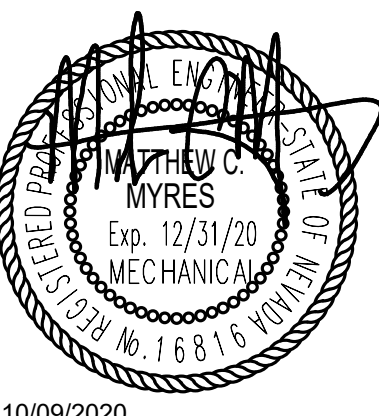
**1** IT OFFICES MECHANICAL PLAN-NEW  
 SCALE: 1/2" = 1'-0"

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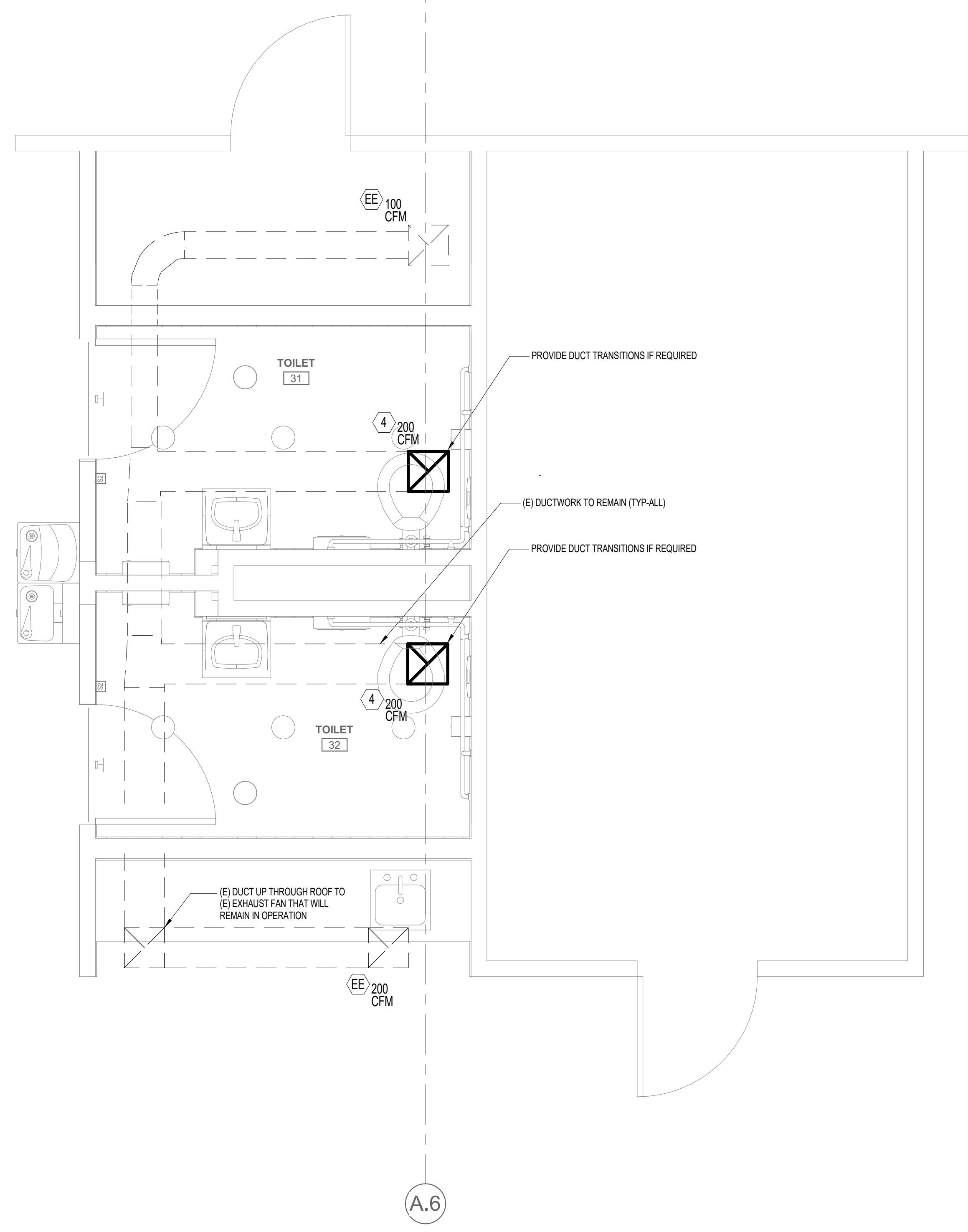


GENERAL NOTE:  
 1. ARCHITECT TO PROVIDE NEW DROP CEILING TO ACCOMMODATE NEW DIFFUSERS AND DUCT MODIFICATIONS.  
 2. PROVIDE ALL DUCT TRANSITIONS AS REQUIRED. FIELD VERIFY BEFORE ORDERING MATERIALS.

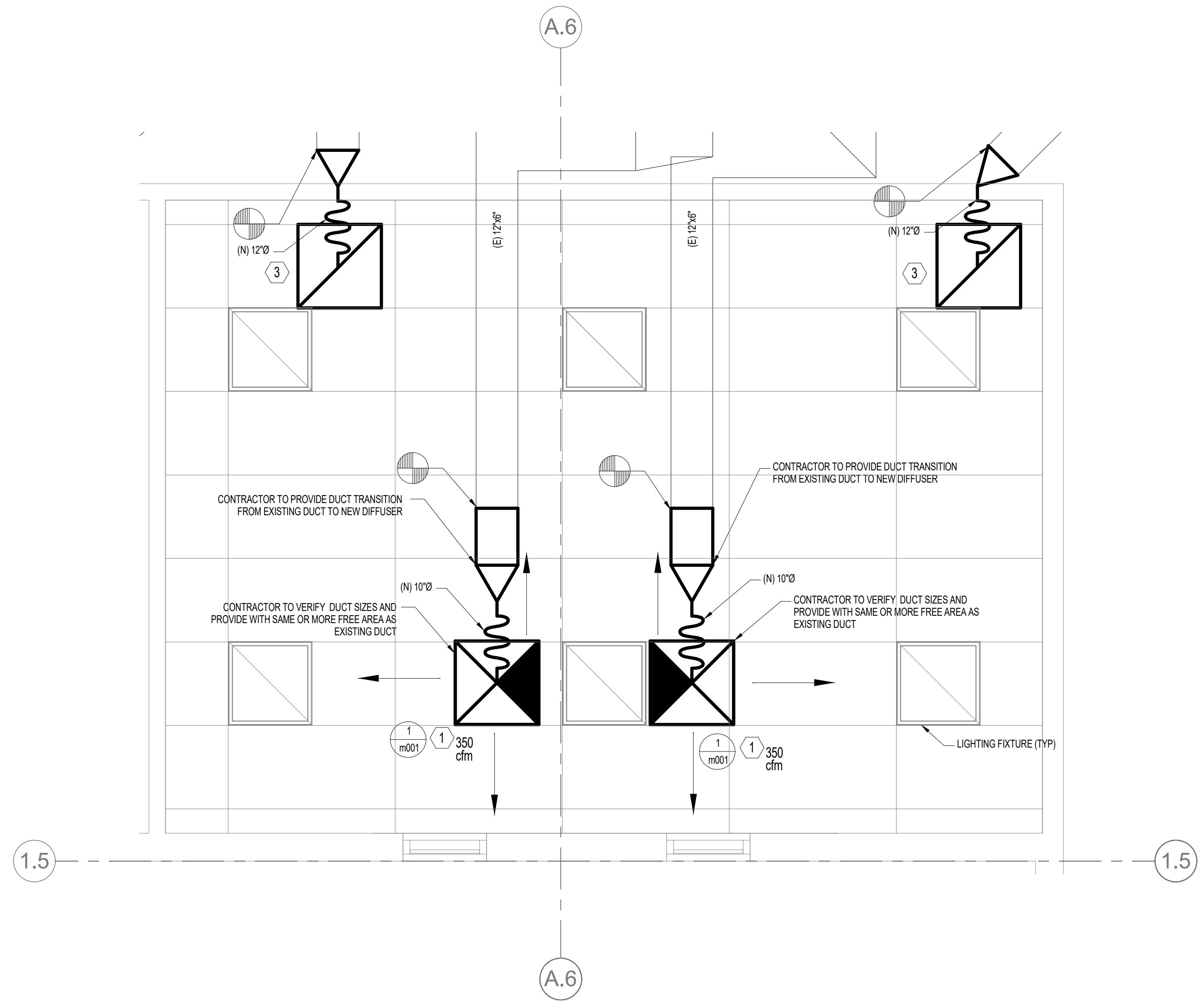
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**1** FINANCE RESTROOM MECHANICAL PLAN - NEW  
 SCALE: 1/2" = 1'-0"



**2** FINANCE OFFICE MECHANICAL PLAN - NEW  
 SCALE: 1/2" = 1'-0"

**FINANCE OFFICES  
 MECHANICAL PLAN  
 m203**

**CITY OF SPARKS  
 CITY HALL**  
 City of Sparks, Nevada

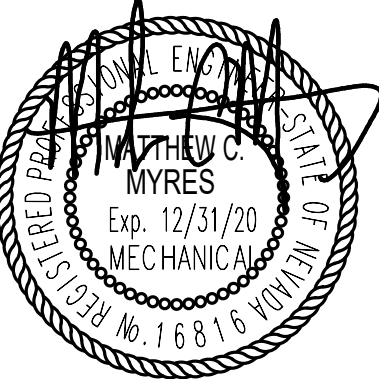
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No.	Description	Date

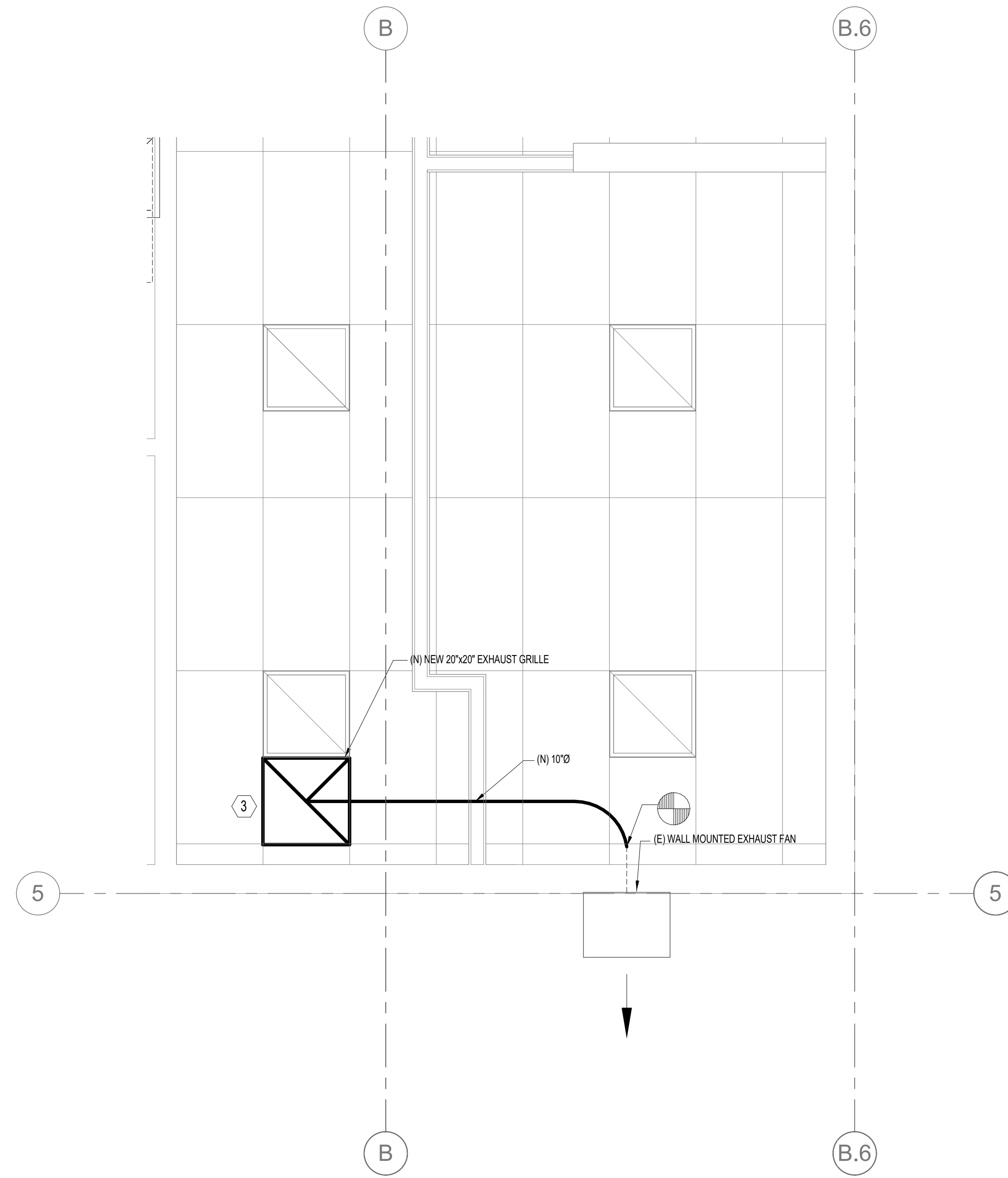
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GENERAL NOTE:  
 1. ARCHITECT TO PROVIDE NEW DROP CEILING TO ACCOMMODATE NEW DIFFUSERS AND DUCT MODIFICATIONS.  
 2. PROVIDE ALL DUCT TRANSITIONS AS REQUIRED. FIELD VERIFY BEFORE ORDERING MATERIALS.

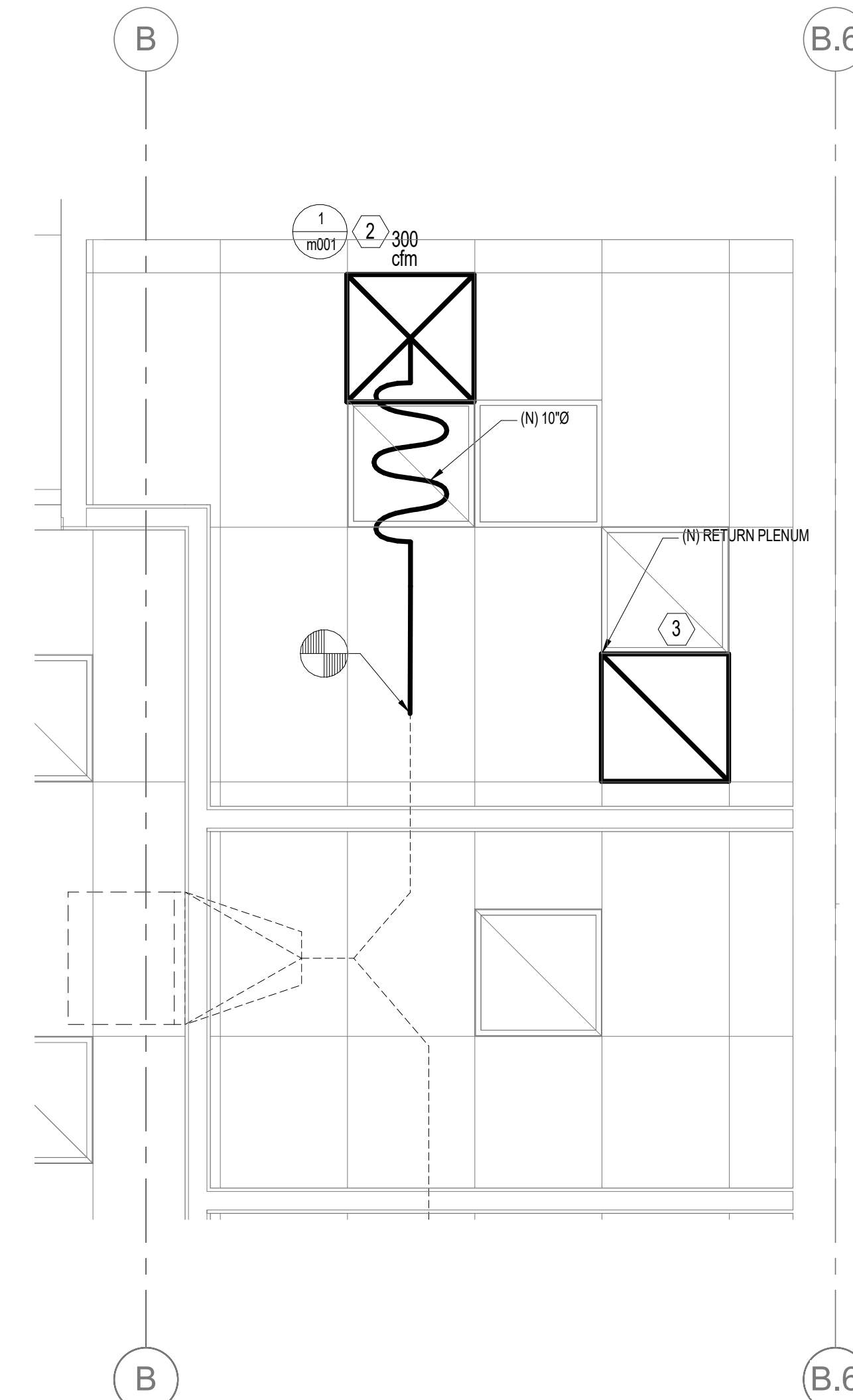
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**1** BASEMENT LEVEL - NEW  
 SCALE: 1/2" = 1'-0"



**2** BASEMENT LEVEL - NEW ACCOUNTING ROOM  
 SCALE: 1/2" = 1'-0"

**BASEMENT  
 MECHANICAL PLAN  
 m204**

**CITY OF SPARKS  
 CITY HALL**  
 City of Sparks, Nevada

**431 Prater Way**

No.	Description	Date

**PERMIT SET**  
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**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			ARROW INDICATES DIRECTION OF FLOW
	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**

1. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATIONS OF ROUGH-IN FOR ALL UNITS AS SHOWN ON THE ENLARGED PLUMBING PLANS.
2. ALL PLUMBING SYSTEMS AND COMPONENTS SHALL BE INSTALLED PER 2012 U.P.C.
3. 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.
4. THE CONTRACTOR SHALL REVIEW ALL INSTALLATION INSTRUCTIONS FOR ALL EQUIPMENT TO BE SUBMITTED ON PRIOR TO BID AND PROVIDE ANY RFIS TO THE OWNER PRIOR TO BID.

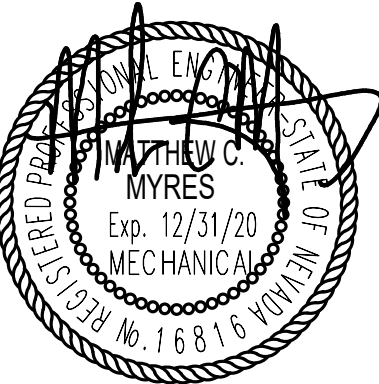
**PLUMBING FIXTURE SCHEDULE**

SYM	DESCRIPTION	MANUFACTURER & MODEL NO.	TRIM	CONNECTIONS				REMARKS
				W	V	HW	CW	
(L-1)	LAVATORY WALL HUNG (ADA COMPLIANT)	KOHLER MODEL NO. 5-2035-1-0 "PINOIR" (OR APPROVED EQUAL)	SINGLE FAUCET HOLE. WALL HUNG SINK, WHITE PORCELAIN, OVAL BASIN, OVERFLOW DRAIN. WALL HANGER INCLUDED. PROVIDE WITH SLOAN EAF-100-P FAUCET.	2"	1 1/2"	3/4"	3/4"	ADA COMPLIANT WHEN INSTALLED PER MANUFACTURERS INSTRUCTIONS
(WC-1)	WALL MOUNTED WATER CLOSET (ADA COMPLIANT)	AMERICAN STANDARD MODEL 3351.101 "AFWALL MILLENNIUM FLOWISE" (OR APPROVED EQUAL)	HIGH EFFICIENCY 1.6 GPF WALL MOUNTED ELONGATED FLUSHOMETER VALVE TOILET, VITREOUS CHINA, PERMANENT EVERCLEAN SURFACE, TOP SPUD. PROVIDE WITH 5901.100 HEAVY DUTY AMERICAN STANDARD SEAT, PROVIDE WITH 1.6 GPF AC POWERED HARDWIRED SLOAN FLUSHOMETER ROYAL OPTIMA 111 ESS-1.6. PROVIDE JR SMITH 10" THICK ADJUSTABLE HORIZONTAL NARROW WALL CARRIER MODEL # 0140D	4"	2"	N/A	1 1/2"	ADA COMPLIANT WHEN INSTALLED PER MANUFACTURERS INSTRUCTIONS
(EWC-1)	MECHANICAL PUSHBAR ACTUATED WATER COOLER (ADA COMPLIANT) WITH BOTTLE FILLER	ELKAY MODEL No. LZSTL8W5LK	BI-LEVEL, BARRIER-FREE, WALL MOUNTED REFRIGERATED WATER COOLER WITH SELF-CLOSING EASY-TOUCH CONTROLS REQUIRING LESS THAN 3 POUNDS OF FORCE TO OPERATE. UNIT SHALL PROVIDE 8.0 GPH OF 50°F WATER WITH 80°F ENTERING WATER AND 90°F AMBIENT. PROVIDE AND INSTALL MANUFACTURERS CANE SKIRT. PROVIDE COMPLETE WITH MOUNTING PLATE, STOP, SUPPLY, TRAP, CANE SKIRT AND BOTTLE FILLER MODEL No. LZWSRK.	2"	1 1/2"	N/A	1/2"	UNIT SHALL BE DESIGNED FOR WHEELCHAIR USE AND MEET ADA REQUIREMENTS. ELEC: 120V/1PH/60HZ. FLA: 5.0 AMPS OPERATING WEIGHT: 150 LBS.
(FS-1)	FLOOR SINK	ZURN MODEL Z1900	12"x12"x6", CAST IRON BODY AND SQUARE, WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP.	2"	N/A	N/A	N/A	INSTALL PER MANUFACTURERS INSTRUCTIONS
(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. INCLUDE DU-U FOR MULTIPLE CONNECTIONS.	N/A	N/A	N/A	1/2"	INSTALL PER MANUFACTURERS INSTRUCTIONS
(ET-1)	EXPANSION TANK	AMITROL X-TROL MODEL No. ST-5C	PRE-CHARGED THERMAL EXPANSION TANK. TANK SHALL HAVE AN ACCEPTANCE VOLUME OF 2.0 GALLONS WITH A 150 PSI MAXIMUM WORKING PRESSURE, 240°F MAXIMUM WORKING TEMPERATURE, AND 55 PSI FACTORY PRESET PRESSURE. 1.4 FLA. ELECTRICAL: 120V, SINGLE PHASE, 60HZ	N/A	N/A	3/4"	N/A	UNIT SHALL BE DESIGNED AND BUILT FOR USE ON FRESH POTABLE WATER SYSTEMS.
(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

**PLUMBING EQUIPMENT SCHEDULE**

SYM	DESCRIPTION	MANUFACTURER & MODEL NO.	TRIM	CONNECTIONS				REMARKS
				W	V	HW	CW	
(WH-1)	ELECTRIC WATER HEATER	AO SMITH MODEL No. E6-40H45DV	40 GALLON DUAL 4500-WATT COPPER HEATING ELEMENTS. FOAM INSULATED, 90°F RISE AT 154 GPH	N/A	N/A	3/4"	3/4"	ENERGY FACTORY (EF) OF 0.90. ELECTRICAL SERVICE REQUIRED.

**Kimley»Horn**  
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 5370 KIETZKE LN. SUITE 100, RENO, NV 89511  
 PHONE: 775-787-7552  
 WWW.KIMLEY-HORN.COM



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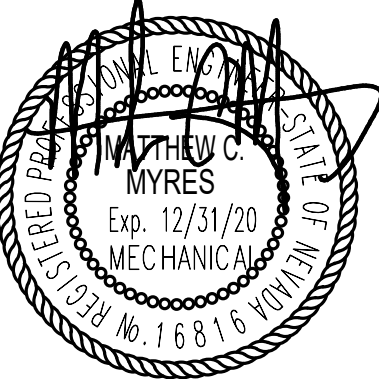
**PLUMBING SYMBOLS AND LEGENDS**  
**p001**

**CITY OF SPARKS**  
**CITY HALL**  
 City of Sparks, Nevada

**431 Prater Way**

No.	Description	Date

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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 ANSI/AWWA 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: CERTAINTEED, 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 1/4" 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

# PLUMBING SPECIFICATIONS

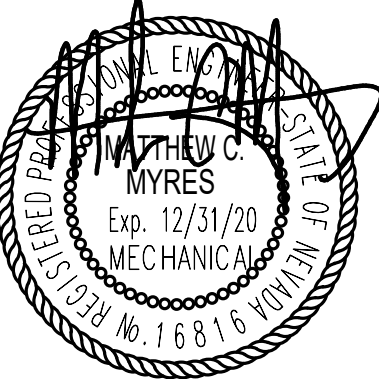
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**CITY OF SPARKS**  
**CITY HALL**  
 City of Sparks, Nevada

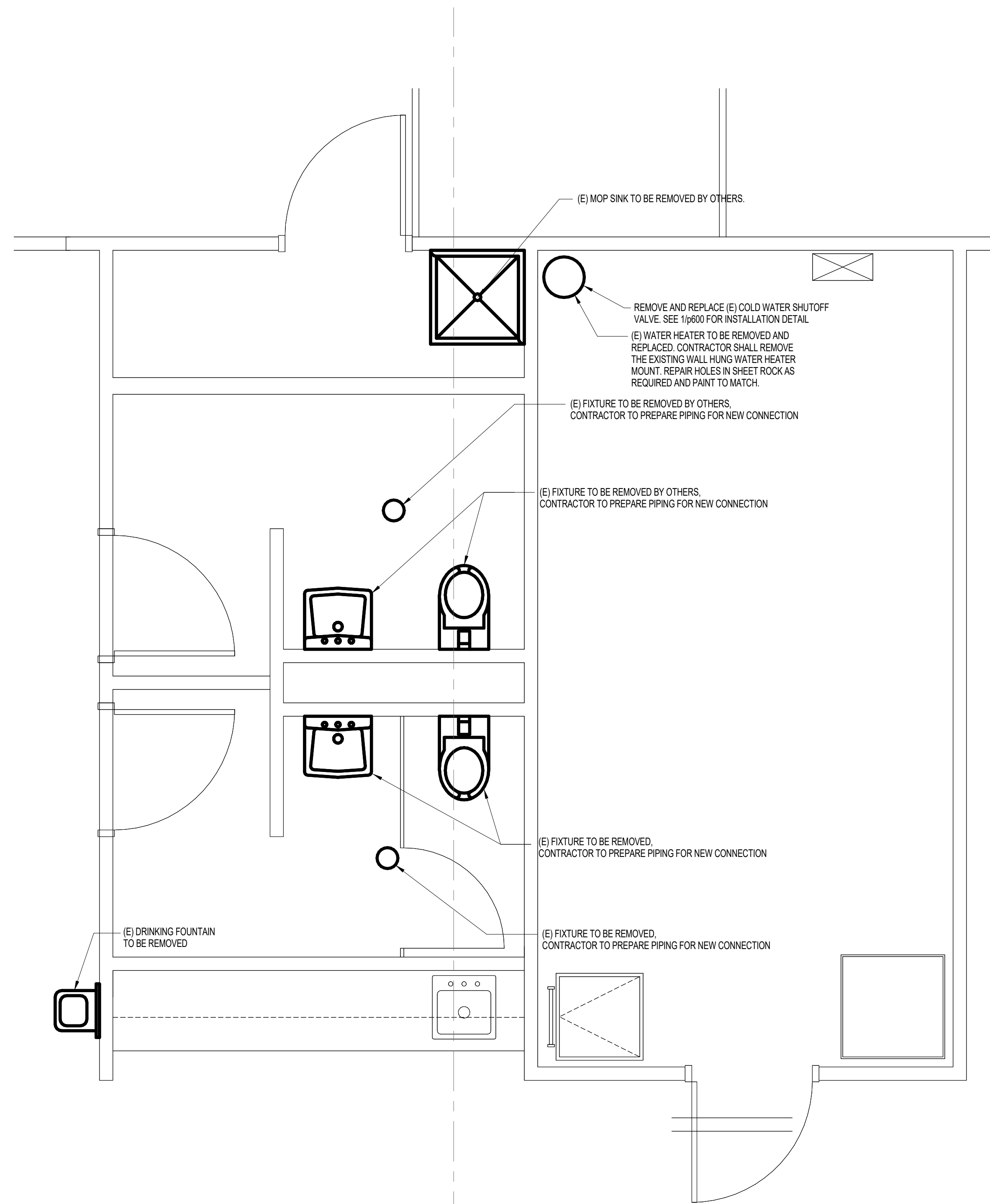
**431 Prater Way**

No.	Description	Date





10/09/2020



**FINANCE  
 RESTROOM  
 PLUMBING DEMO  
 PLAN  
 p101**

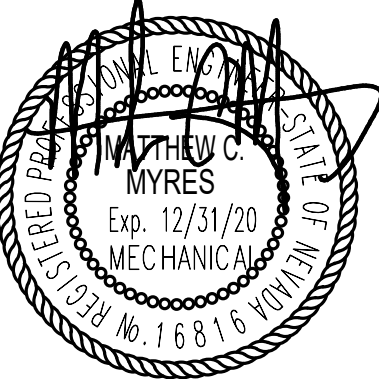
**1** FINANCE RESTROOM PLUMBING PLAN - DEMO  
 SCALE: 1/2" = 1'-0"

A.6

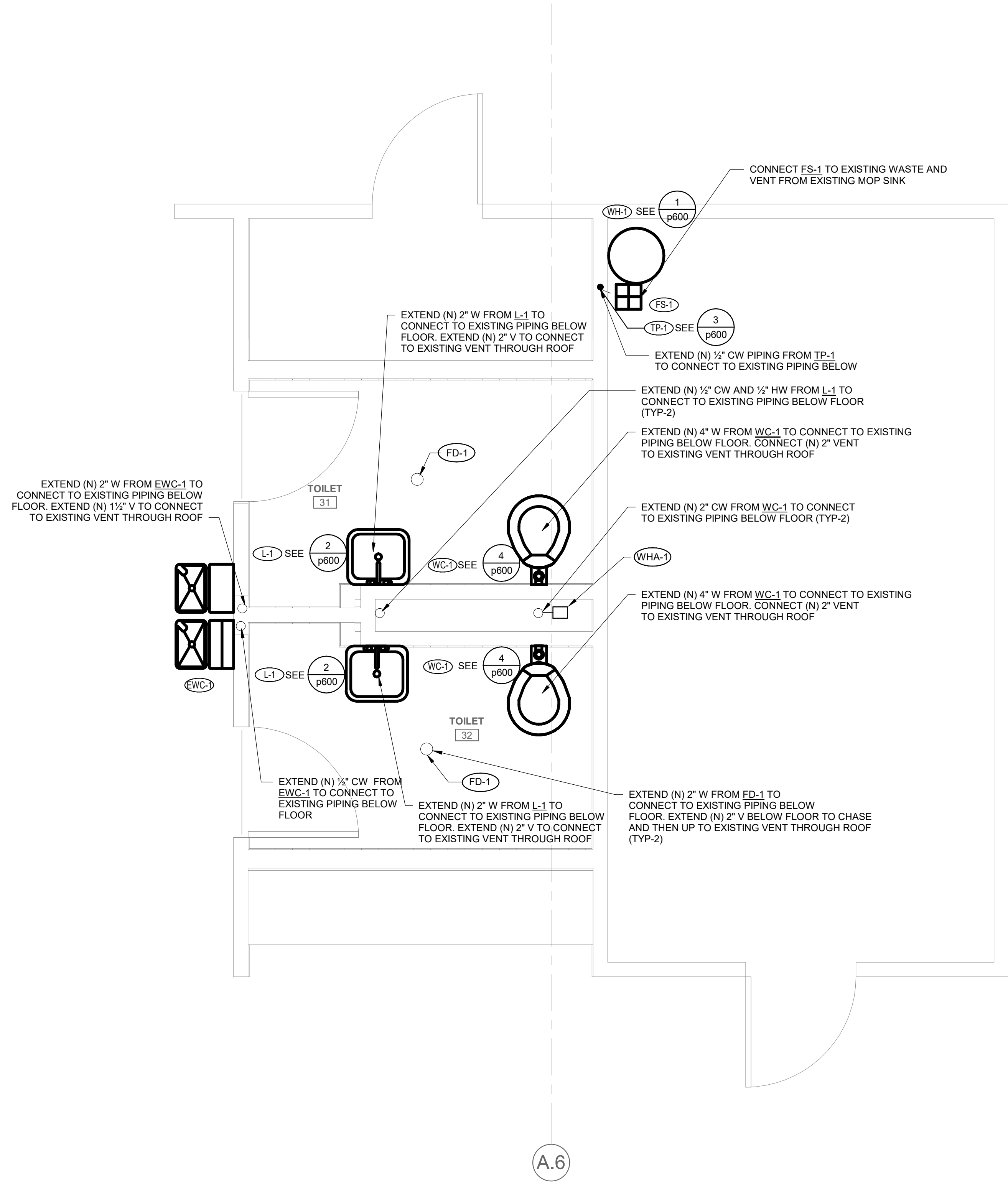
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**FINANCE  
 RESTROOM  
 PLUMBING PLAN  
 p201**

**1** FINANCE RESTROOM PLUMBING PLAN - NEW  
 SCALE: 1/2" = 1'-0"

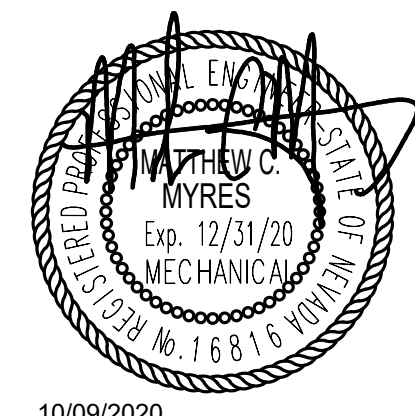
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 CITY HALL**  
 City of Sparks, Nevada

**431 Prater Way**

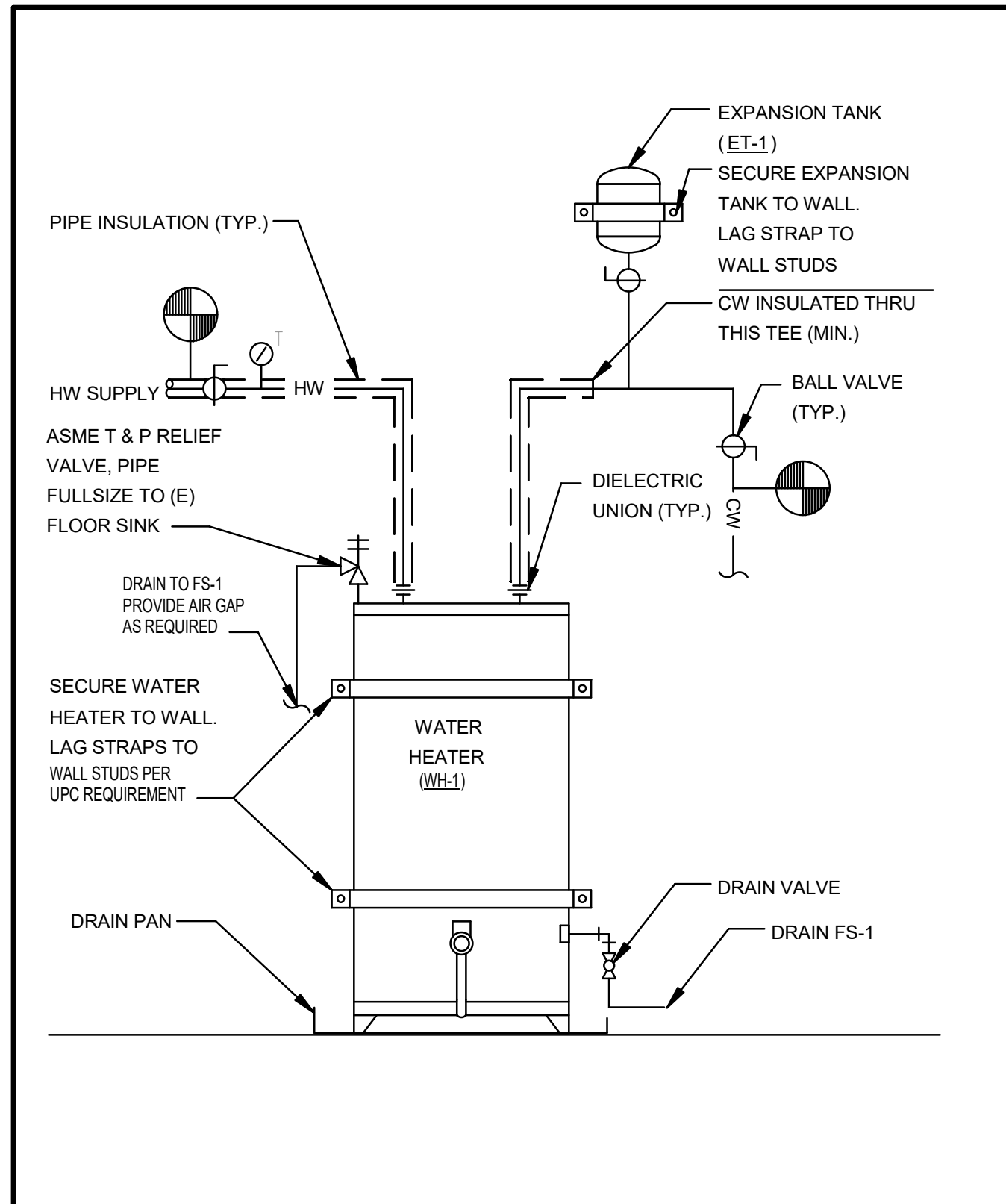
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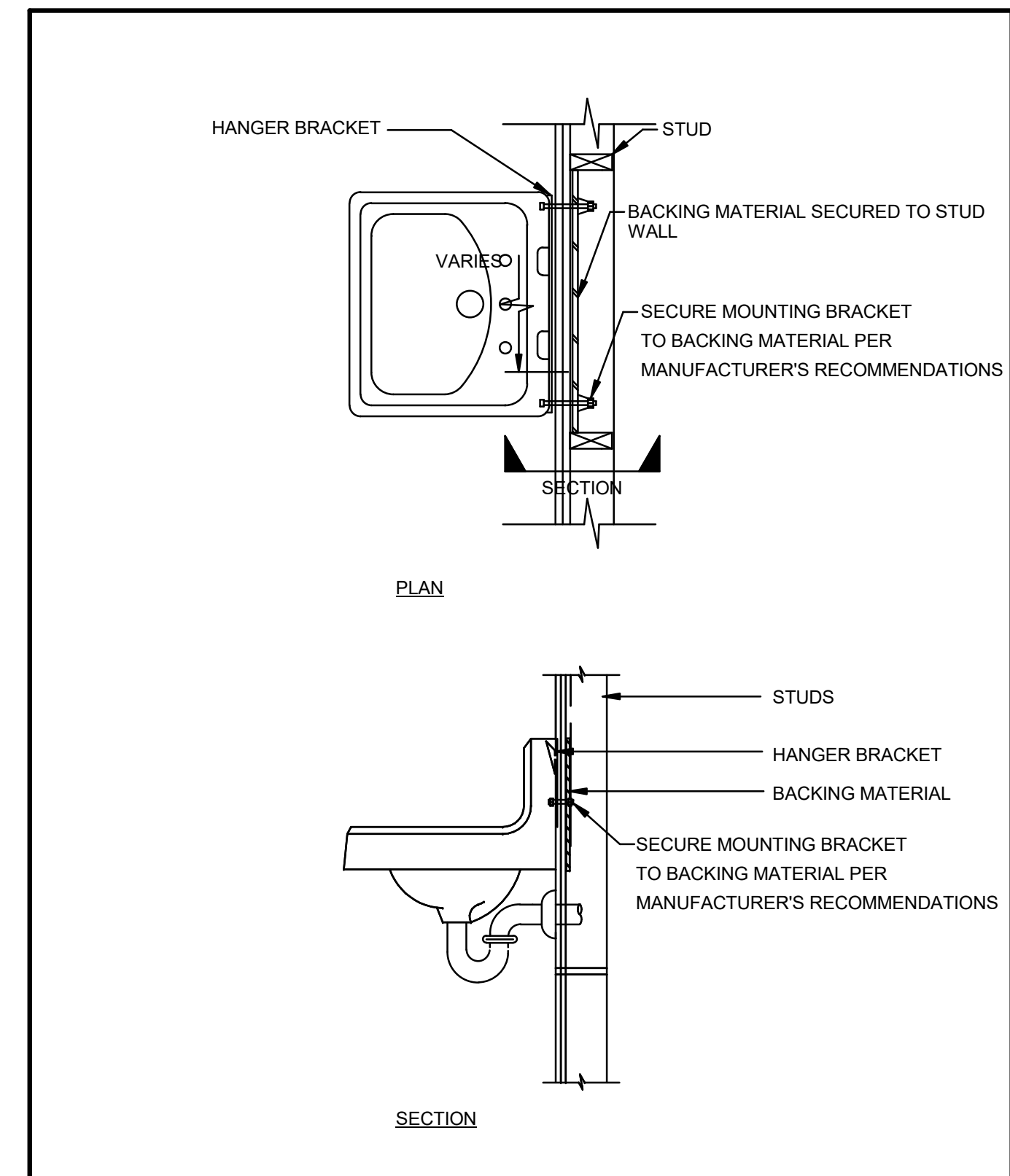




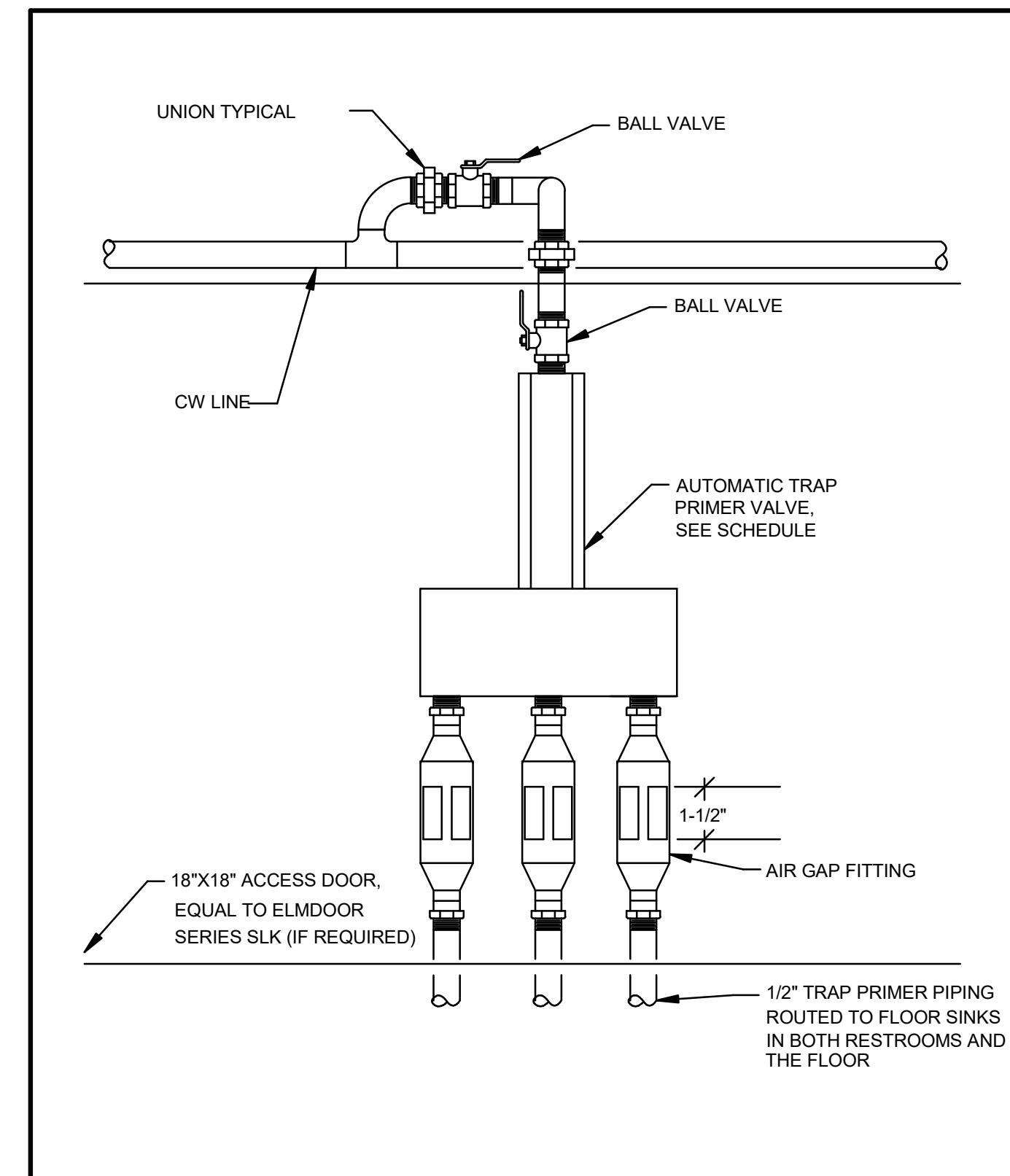
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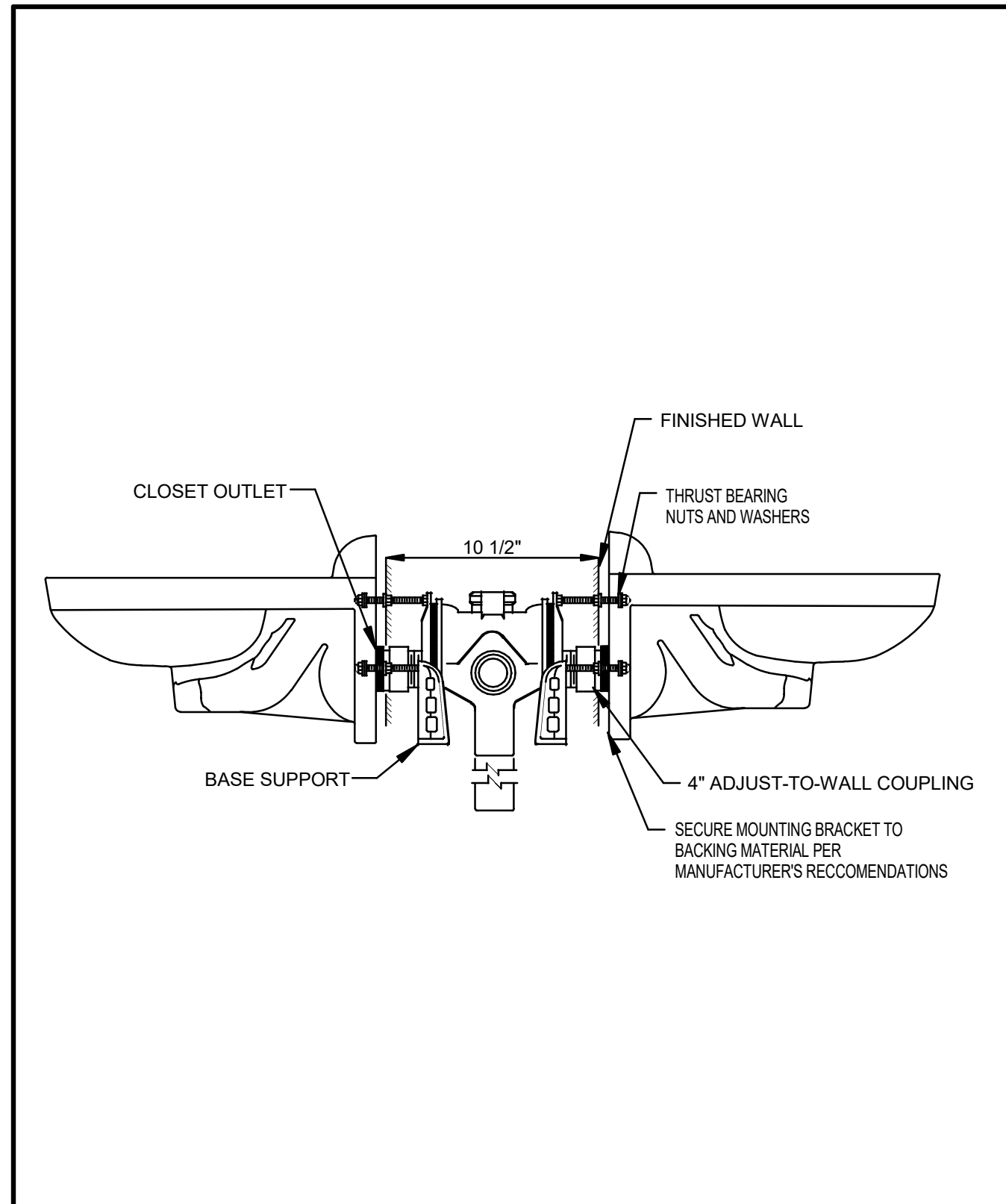
**1 WATER HEATER DETAIL**  
 p600 SCALE:NONE



**2 LAVATORY WALL CARRIER MOUNTING**  
 p600 SCALE:NONE



**3 TRAP PRIMER DETAIL**  
 p600 SCALE:NONE



**4 WATER CLOSET WALL CARRIER MOUNTING**  
 p600 SCALE:NONE

**PLUMBING DETAILS**  
**p600**

**CITY OF SPARKS**  
**CITY HALL**  
 City of Sparks, Nevada

**431 Prater Way**

No.	Description	Date

## ELECTRICAL SYMBOLS

CONDUIT AND RACEWAY	MOUNTING (UON)
	NA
	NA
	NA
	NA
	NA
	NA
	NA
	NA
	NA
	NA
	NA
POWER DEVICES	MOUNTING (UON)
	W
	W, FVMH
	W
	W, FVMH
	W
	W
	C, FVMH
	FL
	W, FVMH
	W, FVMH
EQUIPMENT	MOUNTING (UON)
	W
	W
	W
	W, FVMH
	W
	W, FVMH
	W
	W
	C, FVMH
	FL
	W, FVMH
	W, FVMH
	W, FVMH
	W, FVMH
LIGHTING (REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS)	MOUNTING (UON)
	C
	W
	C
	C
	C, W, FL
	C
	C
	C, W
	W
	FVM
	FVM
	C, W

## ELECTRICAL SYMBOLS

LIGHTING CONTROLS	MOUNTING (UON)
	W
	W
	W
	W
	W
	W
	FVM
	W
	W
	W
	W
	W
	C
	C
TELECOMMUNICATIONS DEVICES	MOUNTING (UON)
	W
	W
	W
	W
	FL

## ABBREVIATIONS

1P	ONE POLE
1PH	SINGLE PHASE
2/C	TWO-CONDUCTOR
2P	TWO POLE
3/C	THREE-CONDUCTOR
3P	THREE POLE
3PH	THREE PHASE
3W	THREE WIRE
4PDT	FOUR POLE DOUBLE THROW
4PST	FOUR POLE SINGLE THROW
4W	FOUR WIRE
A	AMPERE
AC	AIR CONDITIONING
AC	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFC	AVAILABLE FAULT CURRENT
AFF	ABOVE FINISHED FLOOR / GRADE
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ALCP	AREA LIGHT CONTACTOR PANEL
ALT	ALTERNATE
AMP	AMPERE
APPROX.	APPROXIMATE / APPROXIMATELY
AR	AS REQUIRED
ARCH	ARCHITECTURAL / ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BB	BUCK BOOST
BFB	BACK FEED BREAKER
BLDG	BUILDING
BRKR	BREAKER
BTU	BRITISH THERMAL UNIT
C	CEILING
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CFBA	CUSTOM COLOR / FINISH SELECTED BY ARCHITECT
CFGI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CKT	CIRCUIT
CL	CENTERLINE
CLG	CEILING
CO	CONVENIENCE OUTLET, RECEPTACLE
CU	COPPER
DA	DAMPER ACTUATOR
dB	DECIBEL, UNIT OF SOUND LEVEL
DEMO	DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DPDT	DOUBLE POLE DOUBLE THROW
DWG	DRAWINGS
E	EAST
EA	EACH
EC	EMPTY CONDUIT WITH PULL WIRE
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC CONDUIT
ENT	ELECTRICAL NONMETALLIC CONDUIT

## ABBREVIATIONS

EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
EXIST	EXISTING
FA	FIRE ALARM
FAA	FIRE ALARM ANNUCIATOR
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FLA	FULL LOAD AMPERES
FMC	FLEXIBLE METAL CONDUIT
FPEN	FUSE PER EQUIPMENT NAMEPLATE
FSD	FIRE SMOKE DAMPER
FVM	FIELD VERIFY MOUNTING
FVMH	FIELD VERIFY MOUNTING HEIGHT
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
G	GROUND
GALV	GALVANIZED
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GND	GROUND
HD	HEAVY DUTY
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPS	HIGH-PRESSURE SODIUM
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATION & AIR CONDITIONING
Hz	HERTZ, UNIT OF FREQUENCY
I/O	INPUT / OUTPUT
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INIS	INSULATED / ISOLATED
IR	INFRARED
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LPS	LOW-PRESSURE SODIUM
LRA	LOCKED ROTOR AMPERES
LTG	LIGHTING
LV	LOW VOLTAGE
MAX	MAXIMUM
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPERES
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MAN HOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVER-CURRENT PROTECTION
N	NORTH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION
NFC	NATIONAL FIRE CODE

## ABBREVIATIONS

NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OCP	OVER-CURRENT PROTECTION
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OHD	OVERHEAD DOOR
OL	OVERLOAD
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
R	REMOVE / DEMOLISH
RCP	REFLECTED CEILING PLAN
REF	REFRIGERATOR
REV	REVISIONS / REVISED
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETALLIC CONDUIT
RPM	REVOLUTIONS PER MINUTE
RR	REMOVE & RELOCATE
S	SOUTH
S/N	SWITCH NEUTRAL
S/S	START / STOP
SCA	SHORT CIRCUIT AMPERES
SF	SQUARE FOOT / FEET
SFBA	STANDARD FINISH / COLOR BY ARCHITECT
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE POLE DOUBLE THROW
SPEC	SPECIFICATION
SPST	SINGLE POLE SINGLE THROW
SQ	SQUARE
ST	SINGLE THROW
STRUCT	STRUCTURAL
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TEMP	TEMPORARY
TL	TWISTLOCK
TP	TWISTED PAIR
TSP	TWISTED SHIELDED PAIR
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION (CABLE)
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UF	UNDERFLOOR / UNDERSLAB
UGND	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UNSW	UNSWITCHED
UPS	UNINTERRUPTIBLE POWER SOURCE
V	VOLTS / VOLTAGE
VA	VOLT AMPERE
VFD	VARIABLE FREQUENCY DRIVE
W	WEST
W/	WITH
W/O	WITHOUT
WH	WATER HEATER
W/P	WEATHER PROOF (NEMA 3R)
XFMR	TRANSFORMER
XP	EXPLOSION PROOF
Y	WYE

## ELECTRICAL DRAWING SCHEDULE

SHEET NUMBER	SHEET NAME
e001	ELECTRICAL SYMBOL LEGEND & DRAWING SCHEDULE
e002	ELECTRICAL SPECIFICATIONS
e101	OVERALL ELECTRICAL POWER PLANS
e201	ELECTRICAL PLANS - CLERKS MAIN LEVEL
e202	ELECTRICAL PLANS - CLERKS BASEMENT
e203	ELECTRICAL PLANS - CLERKS BASEMENT
e204	ELECTRICAL PLANS - FINANCE OFFICES
e205	ELECTRICAL PLANS - FINANCE OFFICES
e206	ELECTRICAL PLANS - FINANCE RESTROOMS
e207	ELECTRICAL PLANS - IT OFFICES
e208	ELECTRICAL PLANS - IT OFFICES
e601	ELECTRICAL SCHEDULES & DETAILS
e602	ELECTRICAL PANEL SCHEDULES
e603	ELECTRICAL PANEL SCHEDULES

NUMBER OF SHEETS IN SET: 14

# ELECTRICAL SYMBOL LEGEND & DRAWING SCHEDULE e001

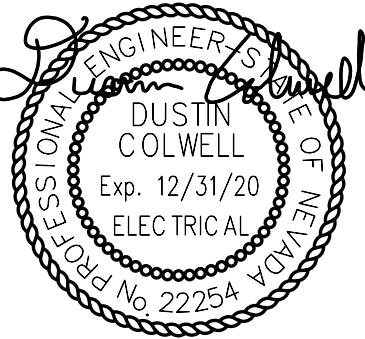
## CITY OF SPARKS CITY HALL City of Sparks, Nevada

**431 Prater Way**

No.	Description	Date

**PERMIT SET**  
192079012 192079013  
192079014  
10/7/2020 10:56:30 PM

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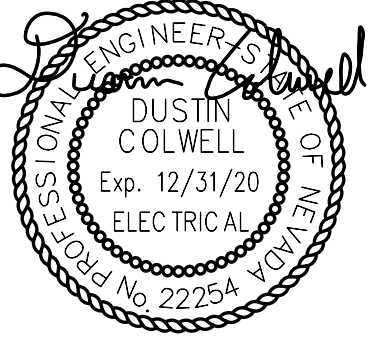




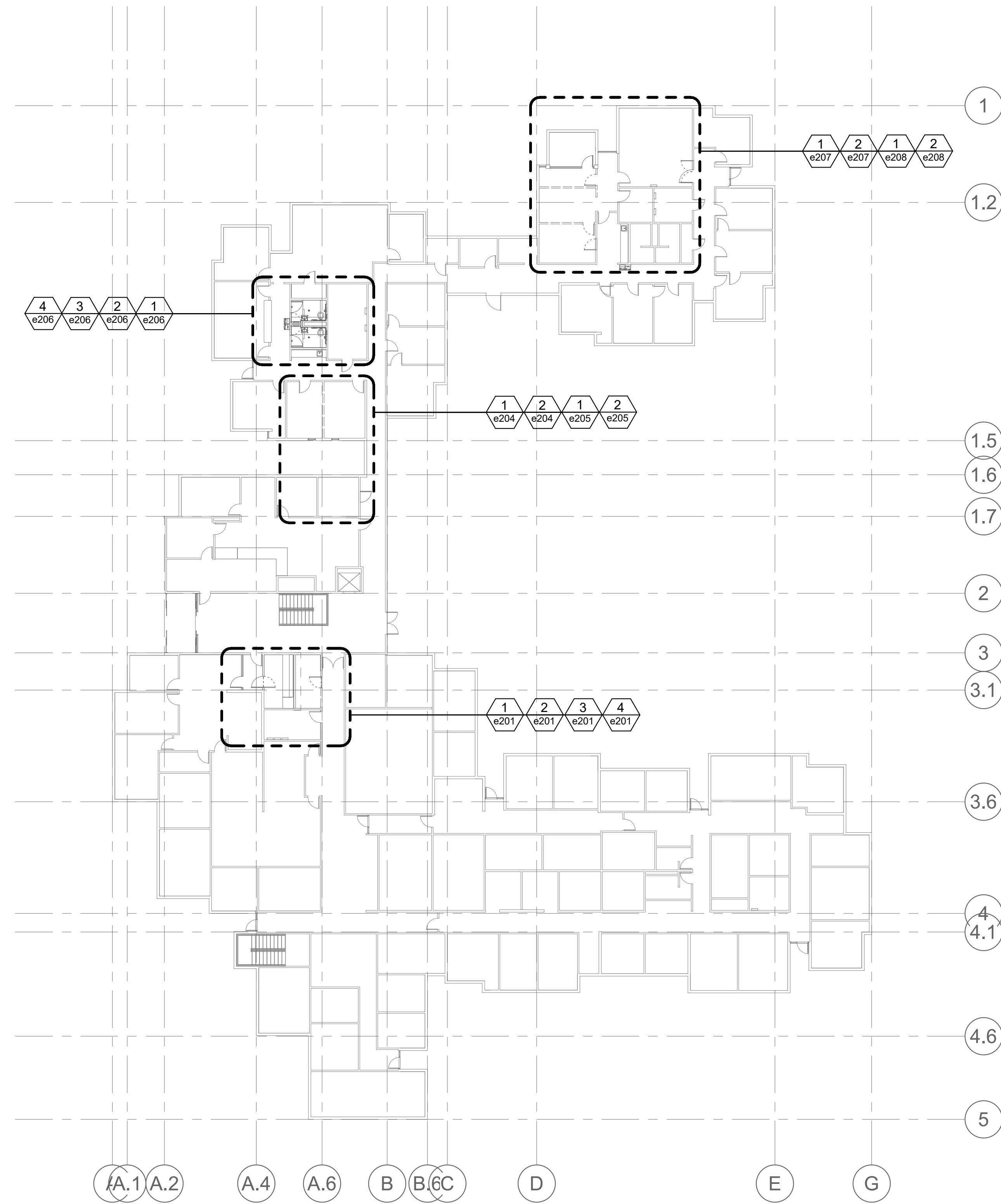
**GENERAL NOTES**

- EXISTING CONDITIONS ARE INDICATED ON THE DRAWINGS WITH HALF-TONE LINE WORK, DEMOLITION WORK IS INDICATED WITH FULL-TONE, DASHED LINE WORK, AND NEW OR PROPOSED WORK IS INDICATED WITH FULL-TONE, SOLID LINE WORK.
- VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH WORK. FIELD CONFLICTS AND/OR DISCREPANCIES IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.

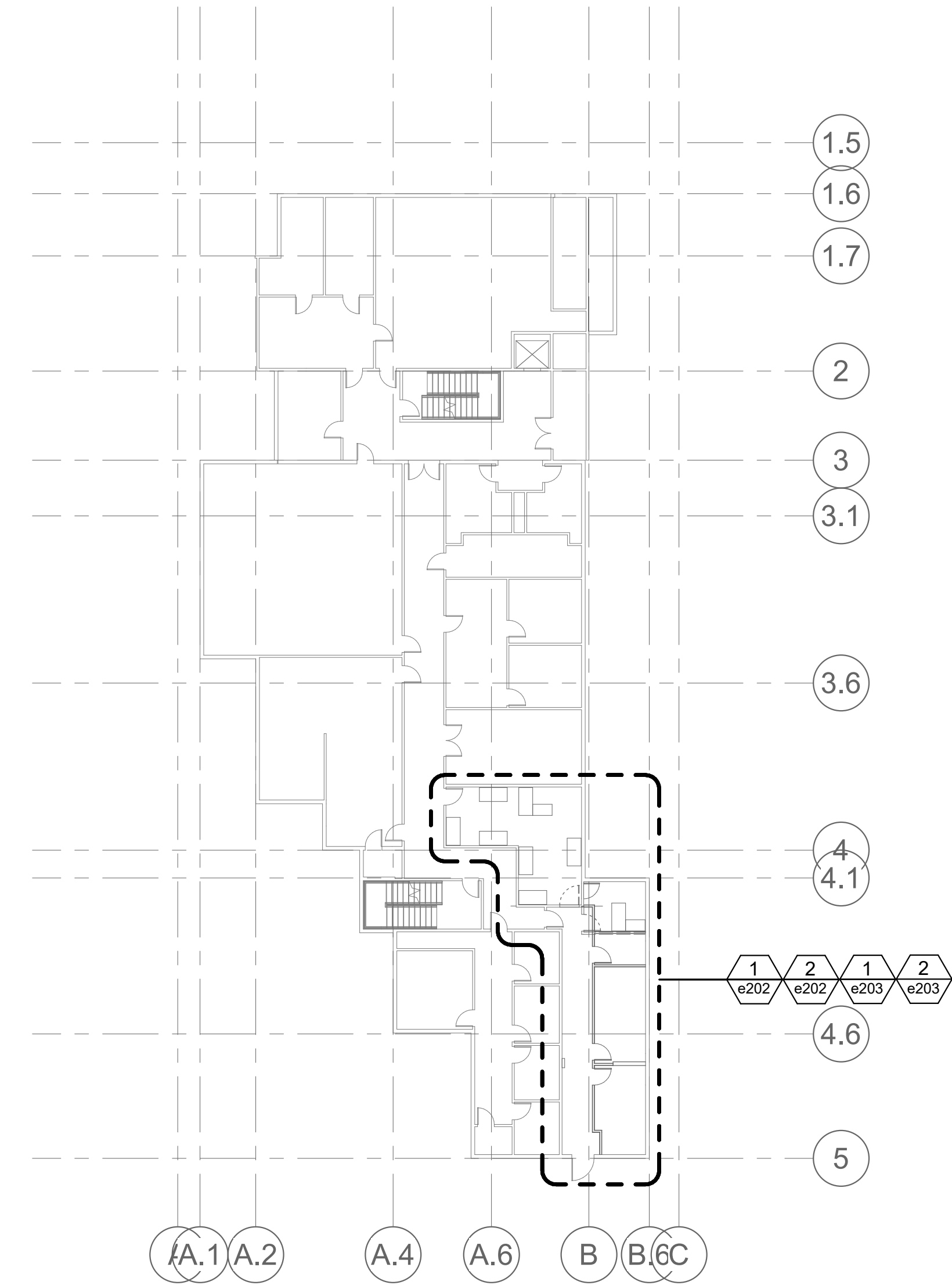
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10/08/2020



**1** OVERALL ELECTRICAL PLAN - MAIN LEVEL  
 SCALE: 1" = 20'-0"



**2** OVERALL ELECTRICAL PLAN - BASEMENT  
 SCALE: 1" = 20'-0"

**OVERALL  
 ELECTRICAL POWER  
 PLANS  
 e101**

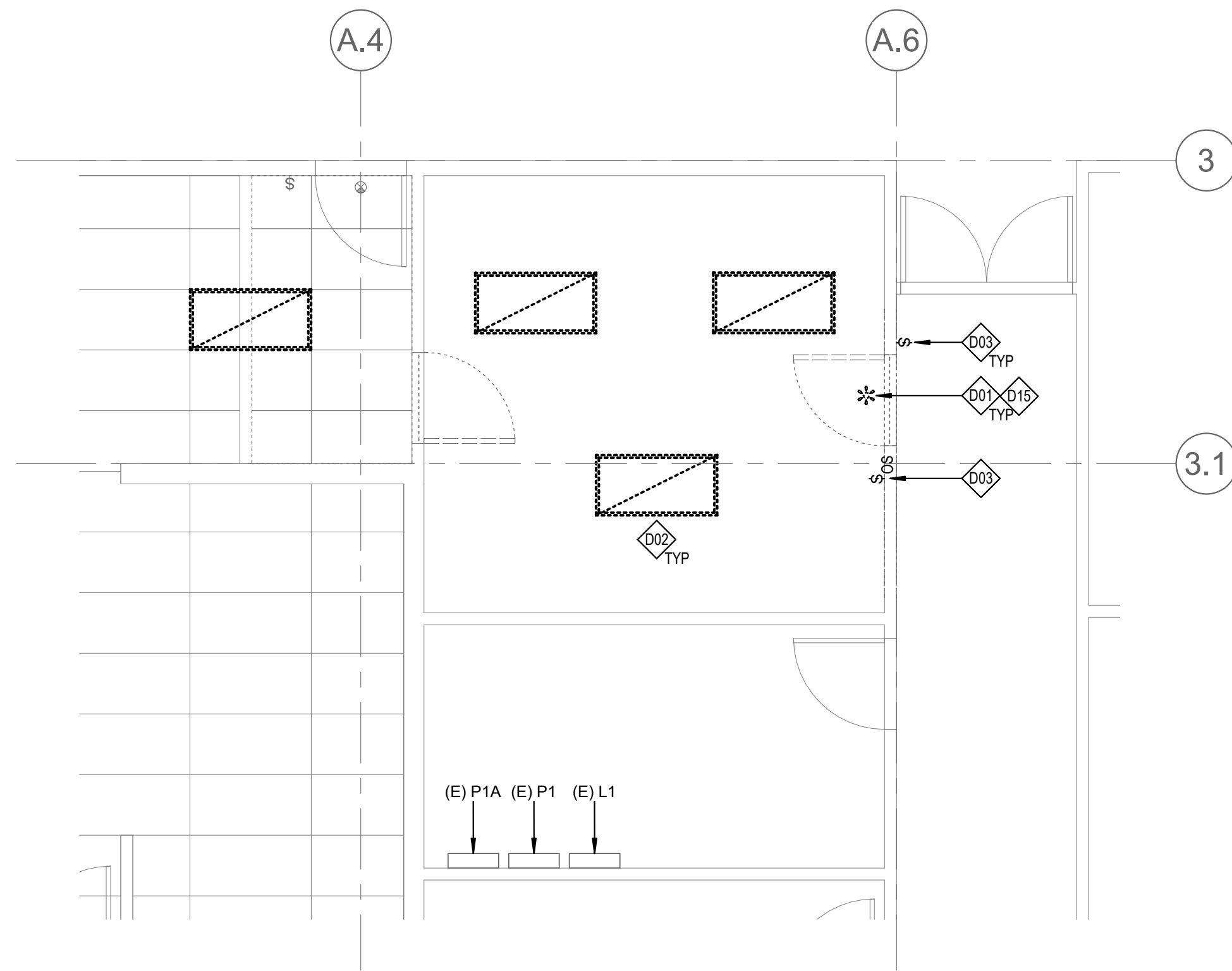
**CITY OF SPARKS  
 CITY HALL**  
 City of Sparks, Nevada

**431 Prater Way**

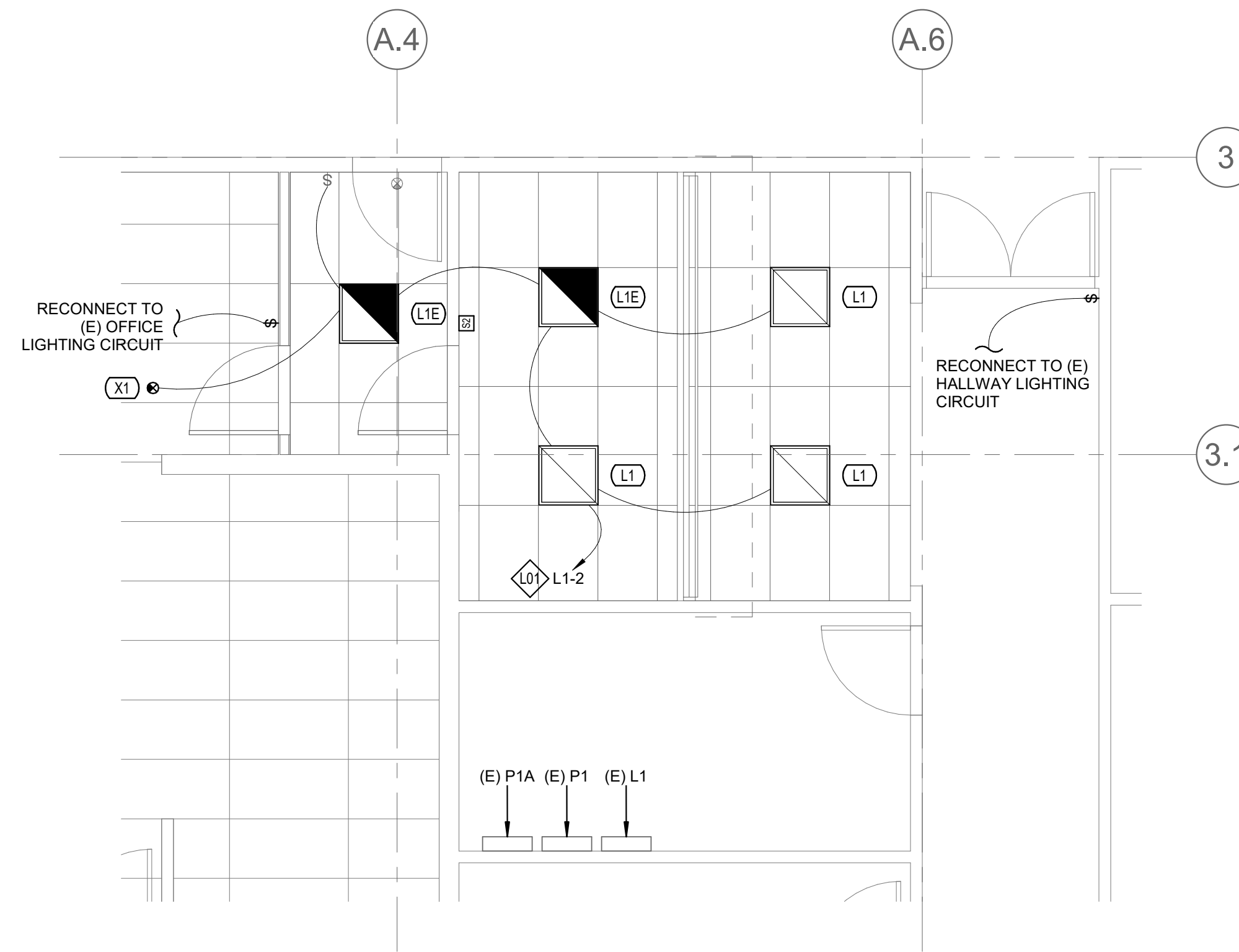
No.	Description	Date

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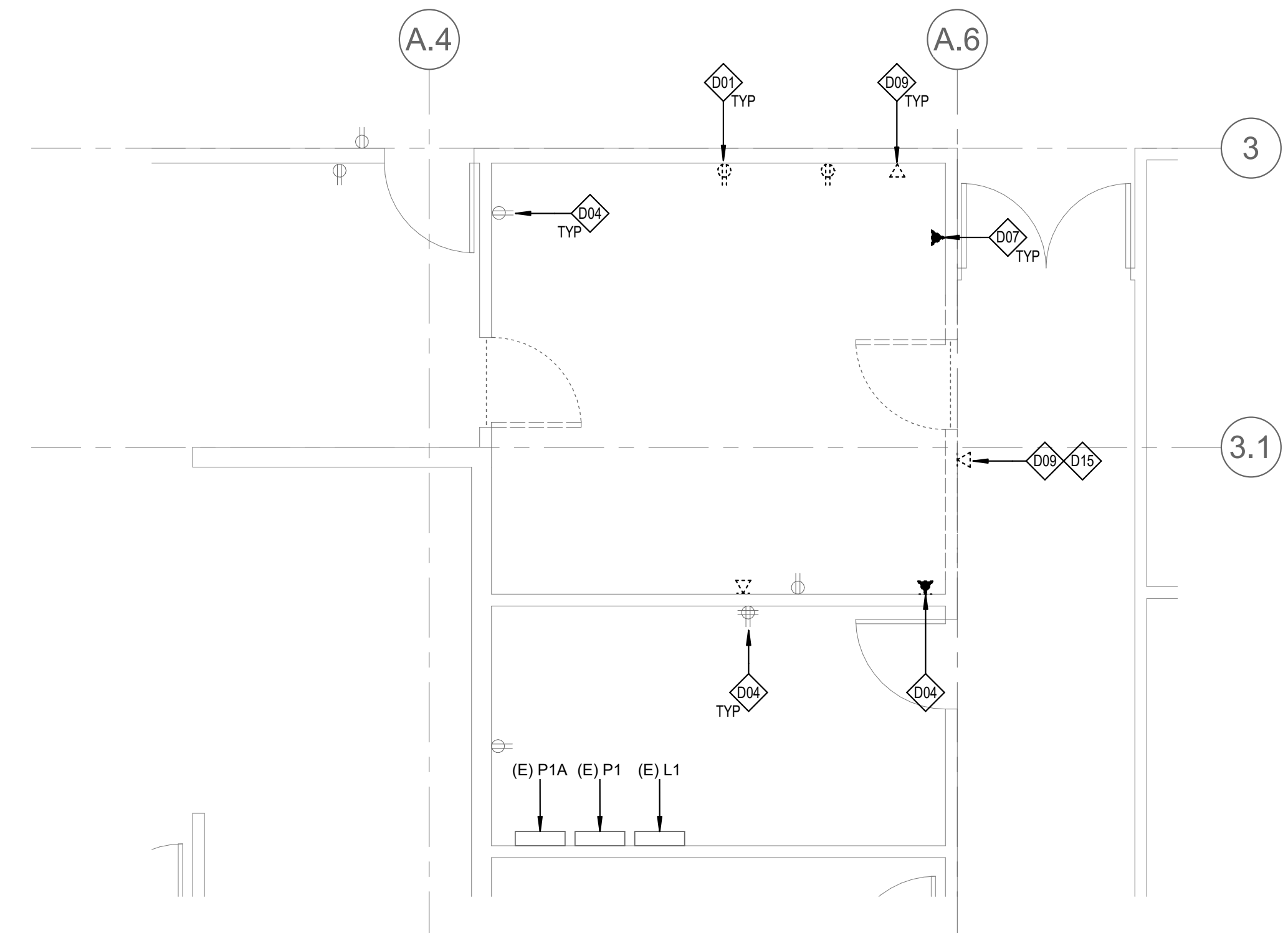




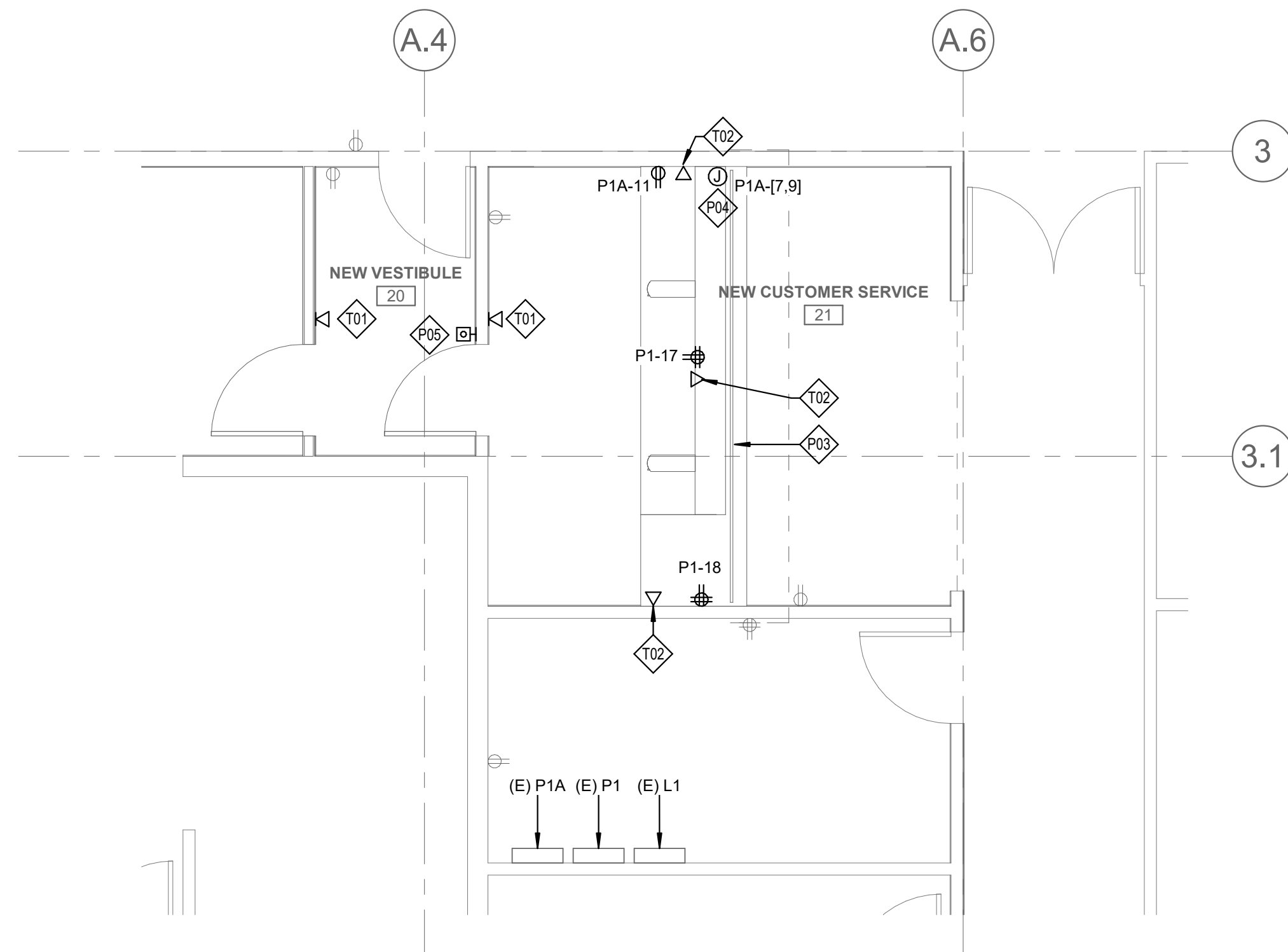
**4** CUSTOMER SERVICE LIGHTING DEMO PLAN - MAIN LEVEL  
SCALE: 1/4" = 1'-0"



**3** CUSTOMER SERVICE LIGHTING PLAN - MAIN LEVEL  
SCALE: 1/4" = 1'-0"



**2** CUSTOMER SERVICE DEMO PLAN - MAIN LEVEL  
SCALE: 1/4" = 1'-0"



**1** CUSTOMER SERVICE POWER PLAN - MAIN LEVEL  
SCALE: 1/4" = 1'-0"

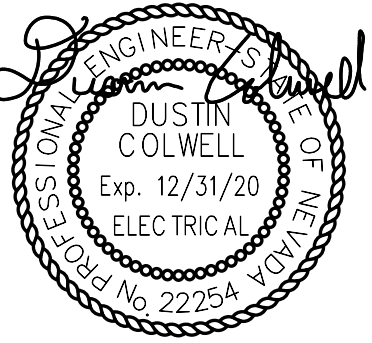
### GENERAL NOTES

- EXISTING CONDITIONS ARE INDICATED ON THE DRAWINGS WITH HALF-TONE LINE WORK. DEMOLITION WORK IS INDICATED WITH FULL-TONE, DASHED LINE WORK, AND NEW OR PROPOSED WORK IS INDICATED WITH FULL-TONE, SOLID LINE WORK.
- VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH WORK. FIELD CONFLICTS AND/OR DISCREPANCIES IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.

### 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.
- D04 EXISTING WIRING DEVICE TO REMAIN. PROTECT IN PLACE.
- D07 EXISTING TELECOMMUNICATION DEVICE TO REMAIN. PROTECT IN PLACE.
- D09 EXISTING TELECOMMUNICATION DEVICE TO BE REMOVED. DISCONNECT FROM EXISTING SOURCE AND REMOVE ASSOCIATED CONDUIT AND CABLING.
- D15 REMOVE EQUIPMENT OR DEVICE AND SALVAGE TO OWNER.
- L01 CONNECT CIRCUIT TO EXISTING 277V SOURCE MADE AVAILABLE/SPARE FROM DEMOLITION. PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. FIELD VERIFY.
- P03 FINAL FURNITURE EQUIPMENT DESIGN BY OTHERS. COORDINATE EXACT LOCATIONS AND REQUIREMENTS AS REQUIRED. FIELD VERIFY.
- P04 ROLL-UP DOOR: PROVIDE JUNCTION BOX AND DEDICATED CIRCUIT FOR SECURITY ROLL-UP DOOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT MANUFACTURER. FIELD VERIFY PRIOR TO ROUGH-IN.
- P05 ROLL-UP DOOR CONTROL SWITCH: COORDINATE EXACT LOCATION AND REQUIREMENTS FOR CONTROL SWITCH WITH OWNER AND EQUIPMENT MANUFACTURER. FIELD VERIFY PRIOR TO ROUGH-IN.
- T01 ACCESS CONTROL SYSTEM CARD READER. PROVIDE SINGLE GANG JUNCTION BOX WITH MUD RING AT +42" AFF AND 1" C. EMT FROM BOX TO +6" ABOVE FINISHED CEILING. TELECOMMUNICATIONS EQUIPMENT CONNECTIONS BY OTHERS.
- 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 DEVICES, CABLING, AND CONNECTIONS BY OTHERS.

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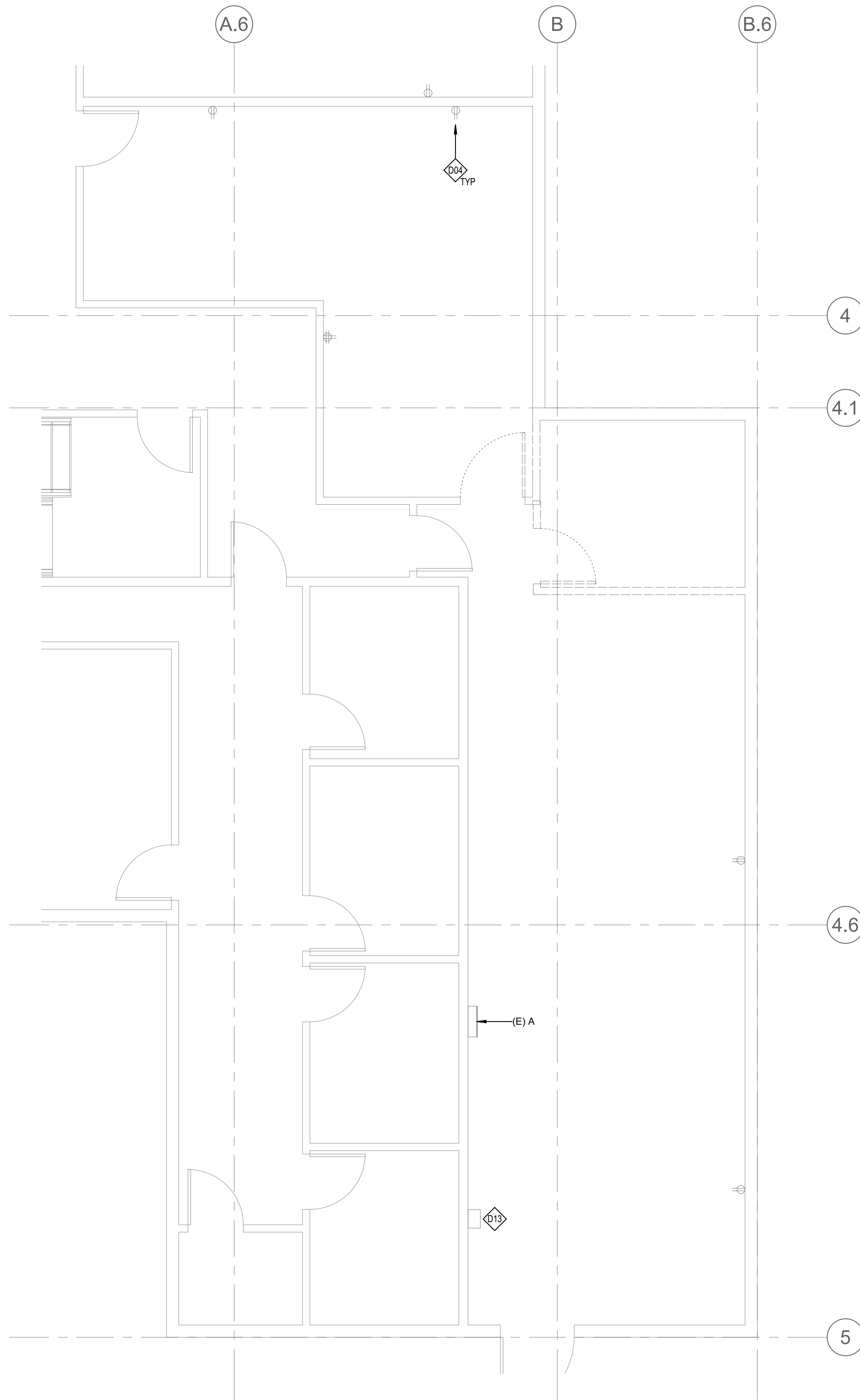
## ELECTRICAL PLANS - CLERKS MAIN LEVEL e201

**CITY OF SPARKS  
CITY HALL**  
City of Sparks, Nevada

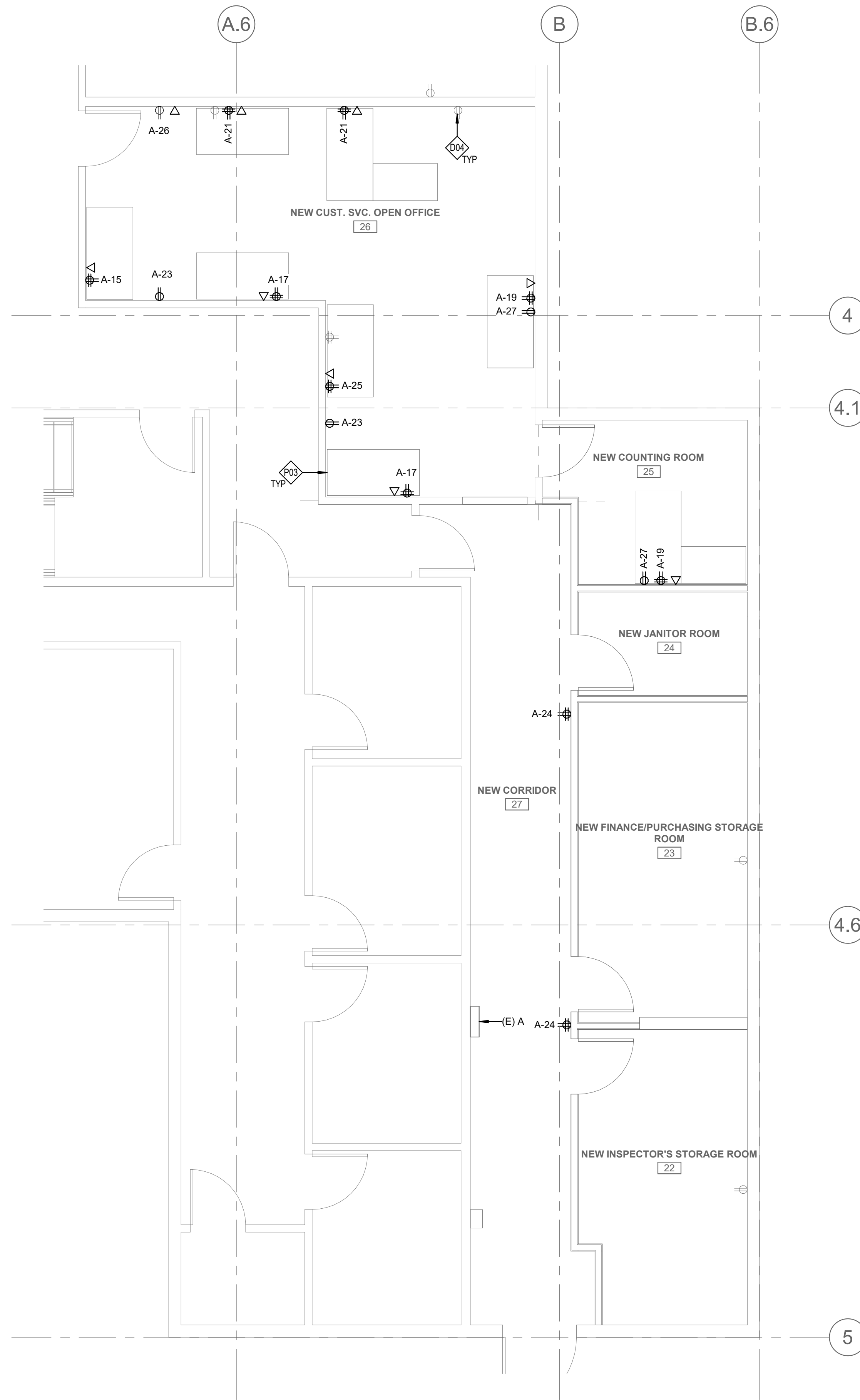
431 Prater Way

No.	Description	Date

**PERMIT SET**  
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**2** CUSTOMER SERVICE DEMO PLAN - BASEMENT  
SCALE: 1/4" = 1'-0"



**1** CUSTOMER SERVICE POWER PLAN - BASEMENT  
SCALE: 1/4" = 1'-0"

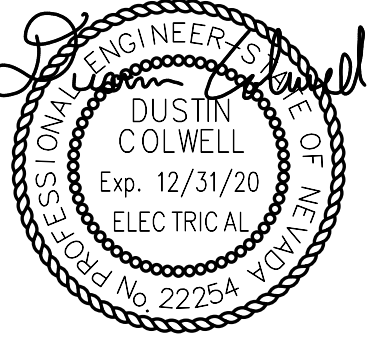
**GENERAL NOTES**

- EXISTING CONDITIONS ARE INDICATED ON THE DRAWINGS WITH HALF-TONE LINE WORK, DEMOLITION WORK IS INDICATED WITH FULL-TONE, DASHED LINE WORK, AND NEW OR PROPOSED WORK IS INDICATED WITH FULL-TONE, SOLID LINE WORK.
- VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH WORK. FIELD CONFLICTS AND/OR DISCREPANCIES IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.

**◆ SHEET KEYNOTES**

- D04 EXISTING WIRING DEVICE TO REMAIN, PROTECT IN PLACE.
- D13 EXISTING ACCESS CONTROL SYSTEM DEVICE TO REMAIN, PROTECT IN PLACE.
- P03 FINAL FURNITURE EQUIPMENT DESIGN BY OTHERS. COORDINATE EXACT LOCATIONS AND REQUIREMENTS AS REQUIRED. FIELD VERIFY.

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**ELECTRICAL PLANS  
- CLERKS  
BASEMENT  
e202**

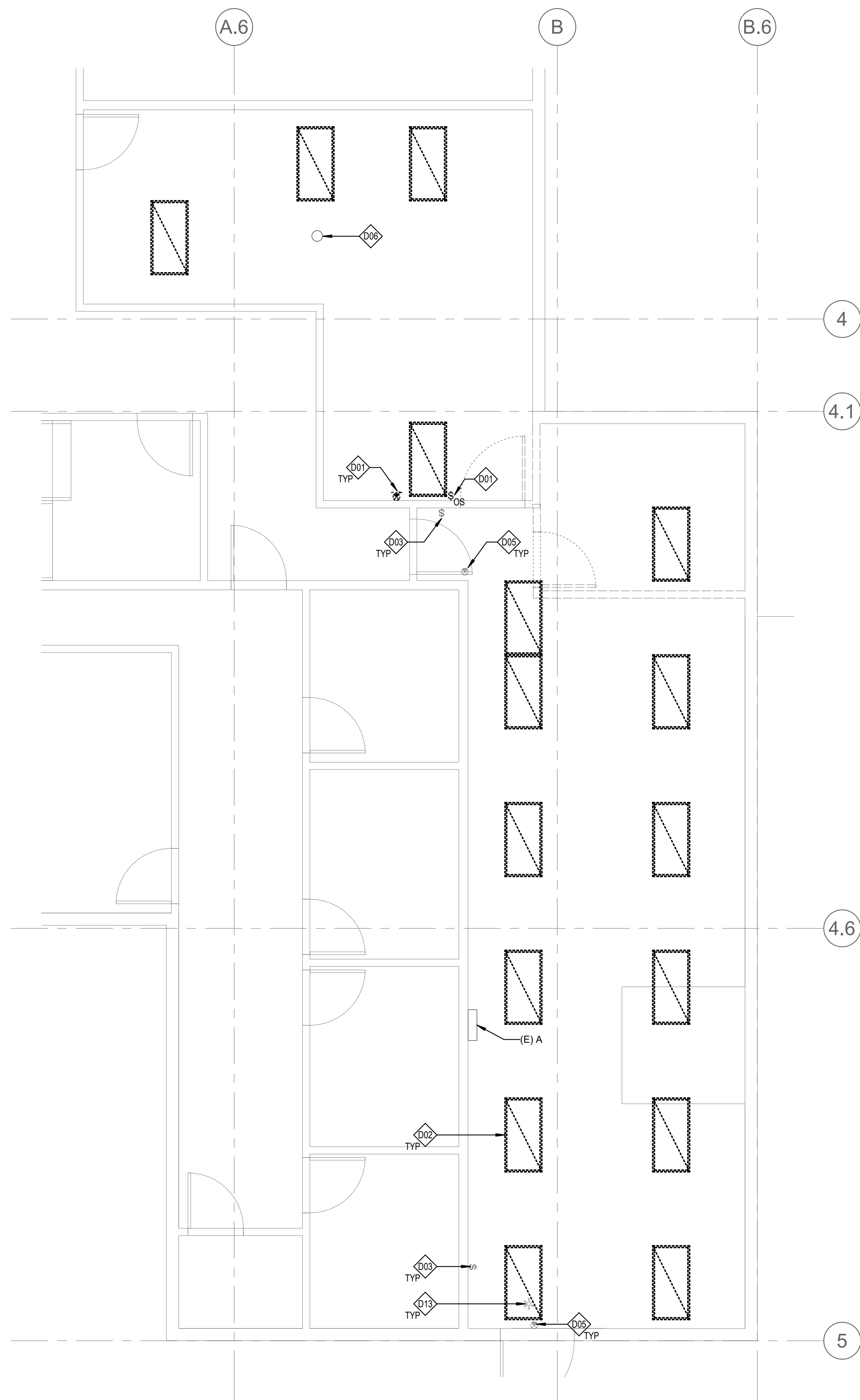
**CITY OF SPARKS  
CITY HALL**  
City of Sparks, Nevada

**431 Prater Way**

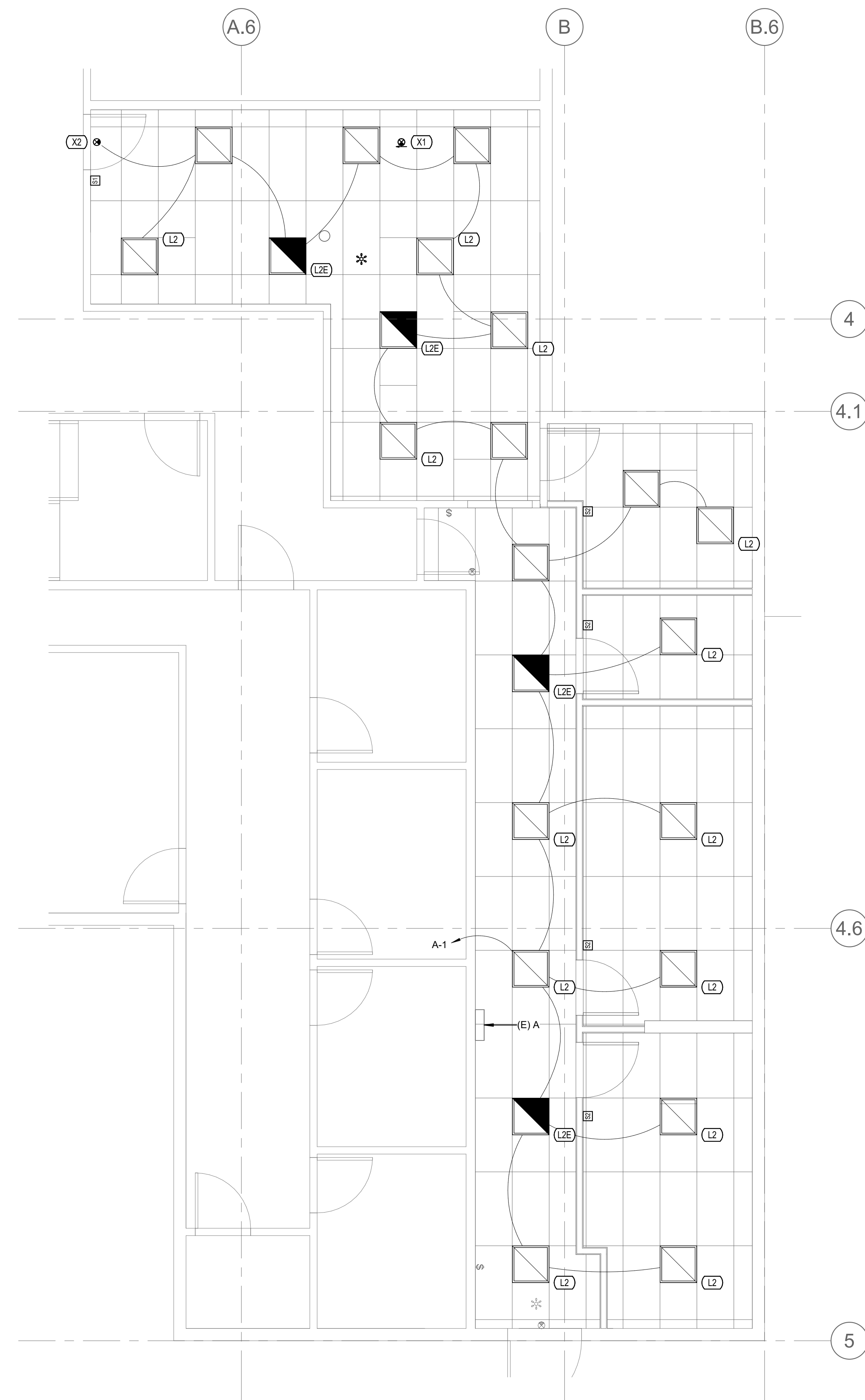
No.	Description	Date

**PERMIT SET**  
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192079014  
10/7/2020 10:56:33 PM





**2** CUSTOMER SERVICE LIGHTING DEMO PLAN - BASEMENT LEVEL  
SCALE: 1/4" = 1'-0"



**1** CUSTOMER SERVICE LIGHTING PLAN - BASEMENT LEVEL  
SCALE: 1/4" = 1'-0"

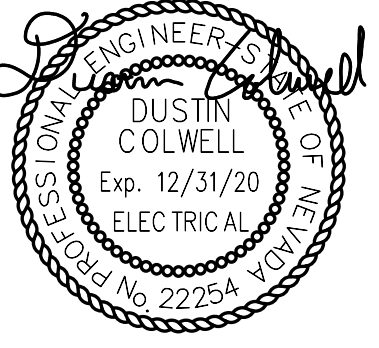
**GENERAL NOTES**

- EXISTING CONDITIONS ARE INDICATED ON THE DRAWINGS WITH HALF-TONE LINE WORK. DEMOLITION WORK IS INDICATED WITH FULL-TONE, DASHED LINE WORK, AND NEW OR PROPOSED WORK IS INDICATED WITH FULL-TONE, SOLID LINE WORK.
- VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH WORK. FIELD CONFLICTS AND/OR DISCREPANCIES IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.

**# 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.
- D06 EXISTING PANIC STROBE TO REMAIN, PROTECT IN PLACE.
- D13 EXISTING ACCESS CONTROL SYSTEM DEVICE TO REMAIN, PROTECT IN PLACE.

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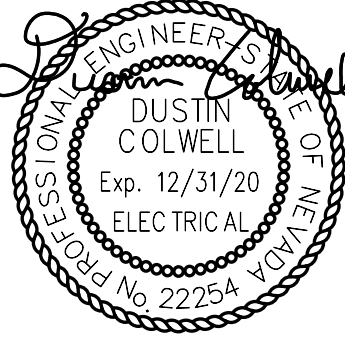
**ELECTRICAL PLANS  
- CLERKS  
BASEMENT  
e203**

**CITY OF SPARKS  
CITY HALL**  
City of Sparks, Nevada

**431 Prater Way**

No.	Description	Date

**PERMIT SET**  
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10/7/2020 10:56:34 PM



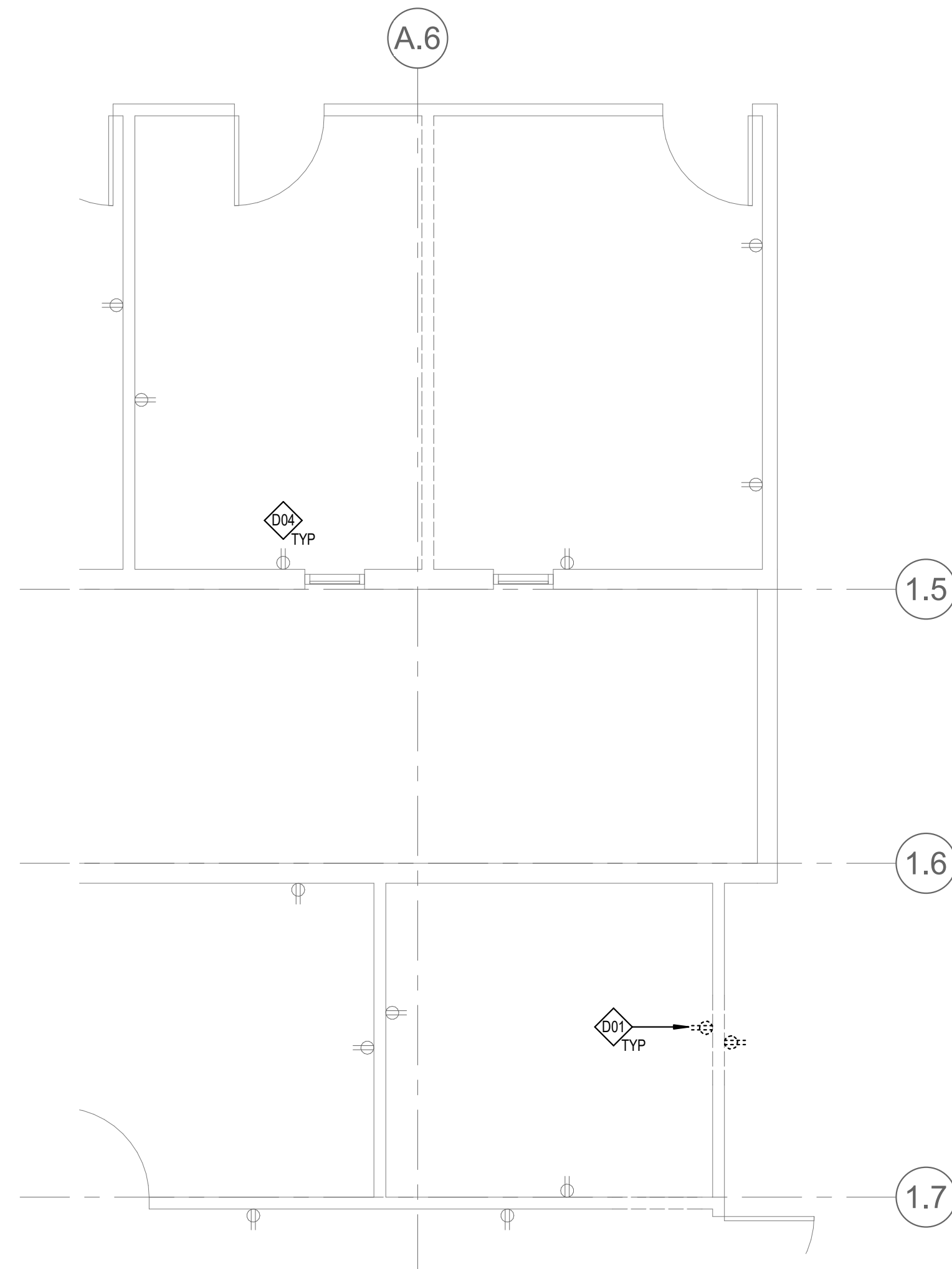
10/08/2020

**GENERAL NOTES**

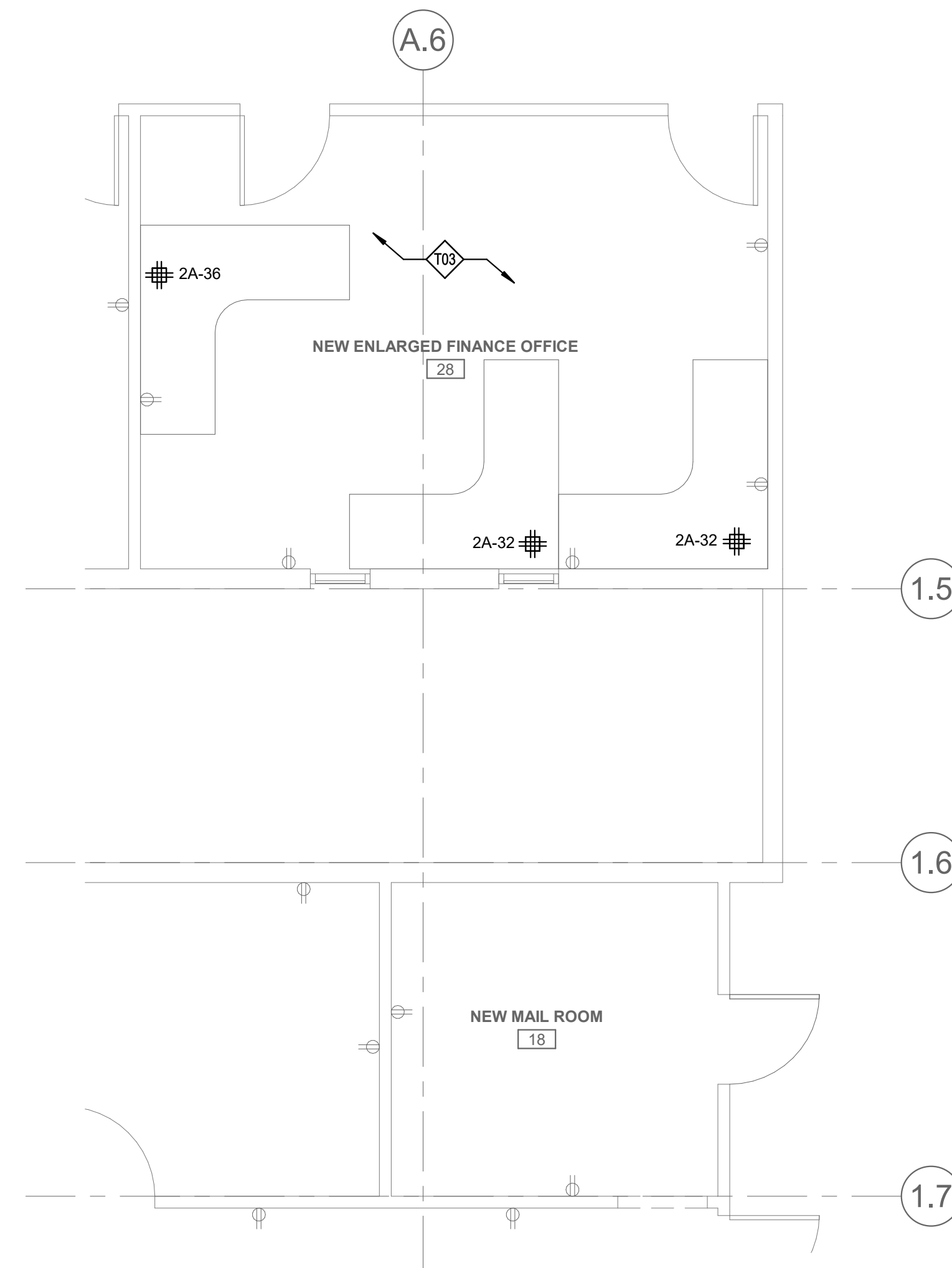
- EXISTING CONDITIONS ARE INDICATED ON THE DRAWINGS WITH HALF-TONE LINE WORK. DEMOLITION WORK IS INDICATED WITH FULL-TONE, DASHED LINE WORK, AND NEW OR PROPOSED WORK IS INDICATED WITH FULL-TONE, SOLID LINE WORK.
- VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH WORK. FIELD CONFLICTS AND/OR DISCREPANCIES IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.

**# 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.
- T03 TELECOMMUNICATIONS WORK IN THIS AREA BY OTHERS. PROTECT EXISTING COMMUNICATIONS DEVICES IN PLACE.



**2 FINANCE OFFICES DEMO PLAN**  
 SCALE: 1/4" = 1'-0"



**1 FINANCE OFFICES POWER PLAN**  
 SCALE: 1/4" = 1'-0"

**ELECTRICAL PLANS  
 - FINANCE OFFICES**

**e204**

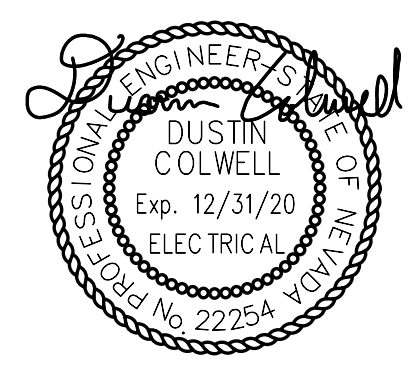
**CITY OF SPARKS  
 CITY HALL**  
 City of Sparks, Nevada

**431 Prater Way**

No.	Description	Date

**PERMIT SET**  
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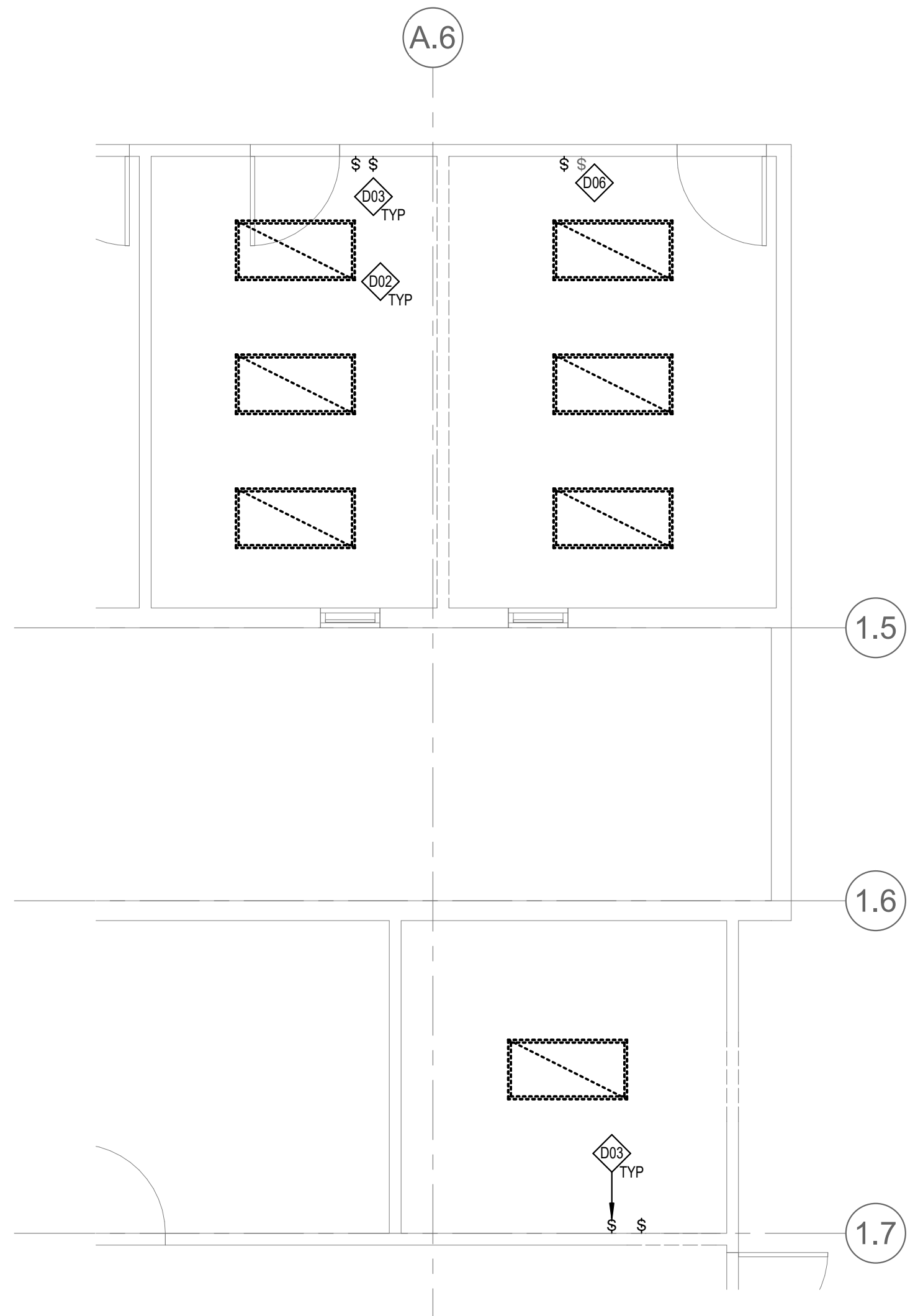
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**GENERAL NOTES**

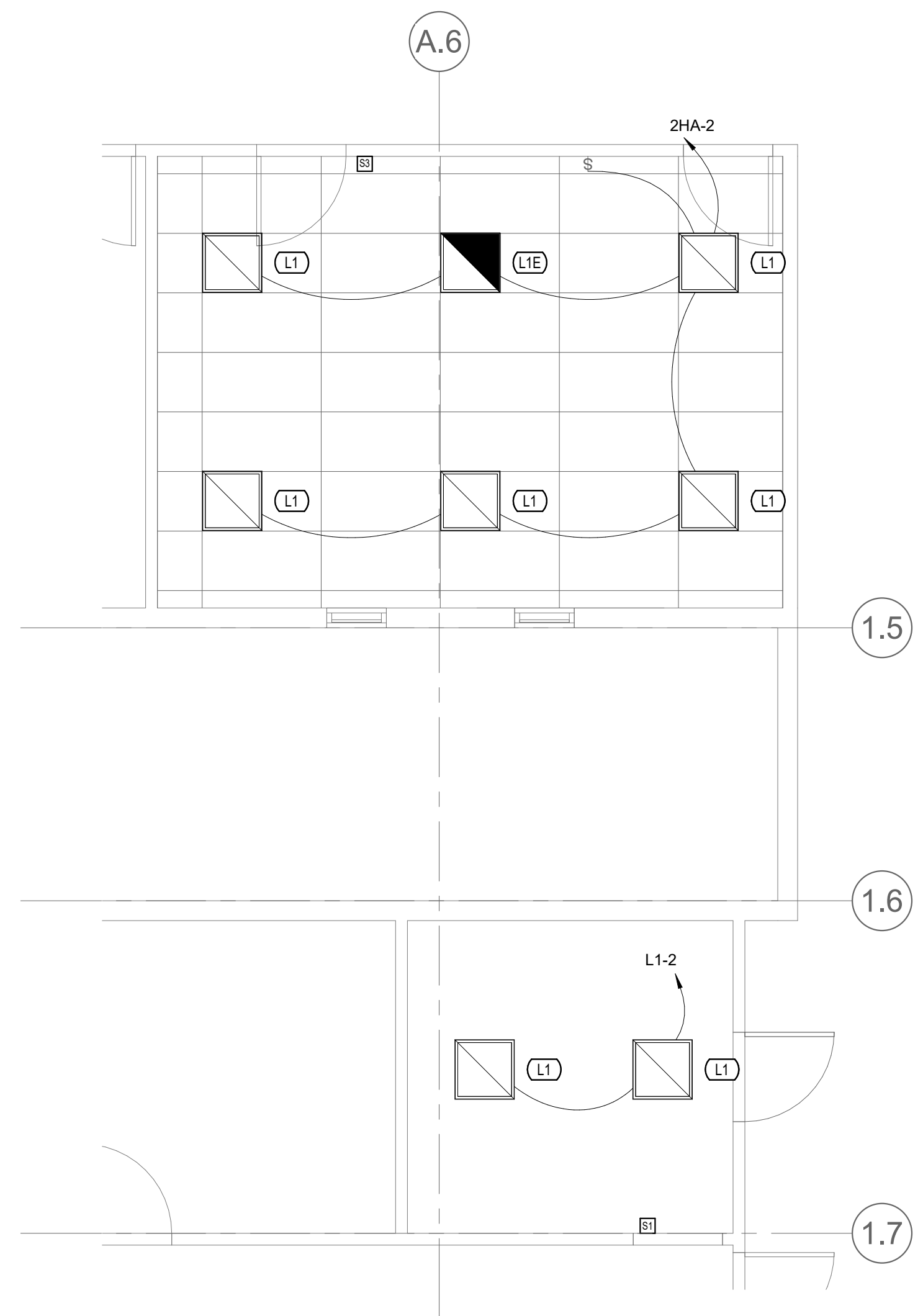
- EXISTING CONDITIONS ARE INDICATED ON THE DRAWINGS WITH HALF-TONE LINE WORK. DEMOLITION WORK IS INDICATED WITH FULL-TONE, DASHED LINE WORK, AND NEW OR PROPOSED WORK IS INDICATED WITH FULL-TONE, SOLID LINE WORK.
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**◆ SHEET KEYNOTES**

- D02 EXISTING LIGHTING FIXTURE TO BE REMOVED.
- D03 EXISTING LIGHTING DEVICE TO BE REMOVED.
- D06 EXISTING PANIC STROBE TO REMAIN, PROTECT IN PLACE.



**2 FINANCE OFFICES LIGHTING DEMO PLAN**  
 SCALE: 1/4" = 1'-0"



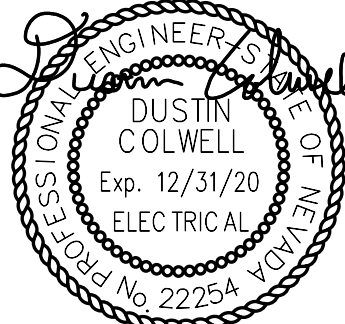
**1 FINANCE OFFICES LIGHTING PLAN**  
 SCALE: 1/4" = 1'-0"

**ELECTRICAL PLANS  
 - FINANCE OFFICES  
 e205**

**CITY OF SPARKS  
 CITY HALL**  
 City of Sparks, Nevada

**431 Prater Way**

No.	Description	Date



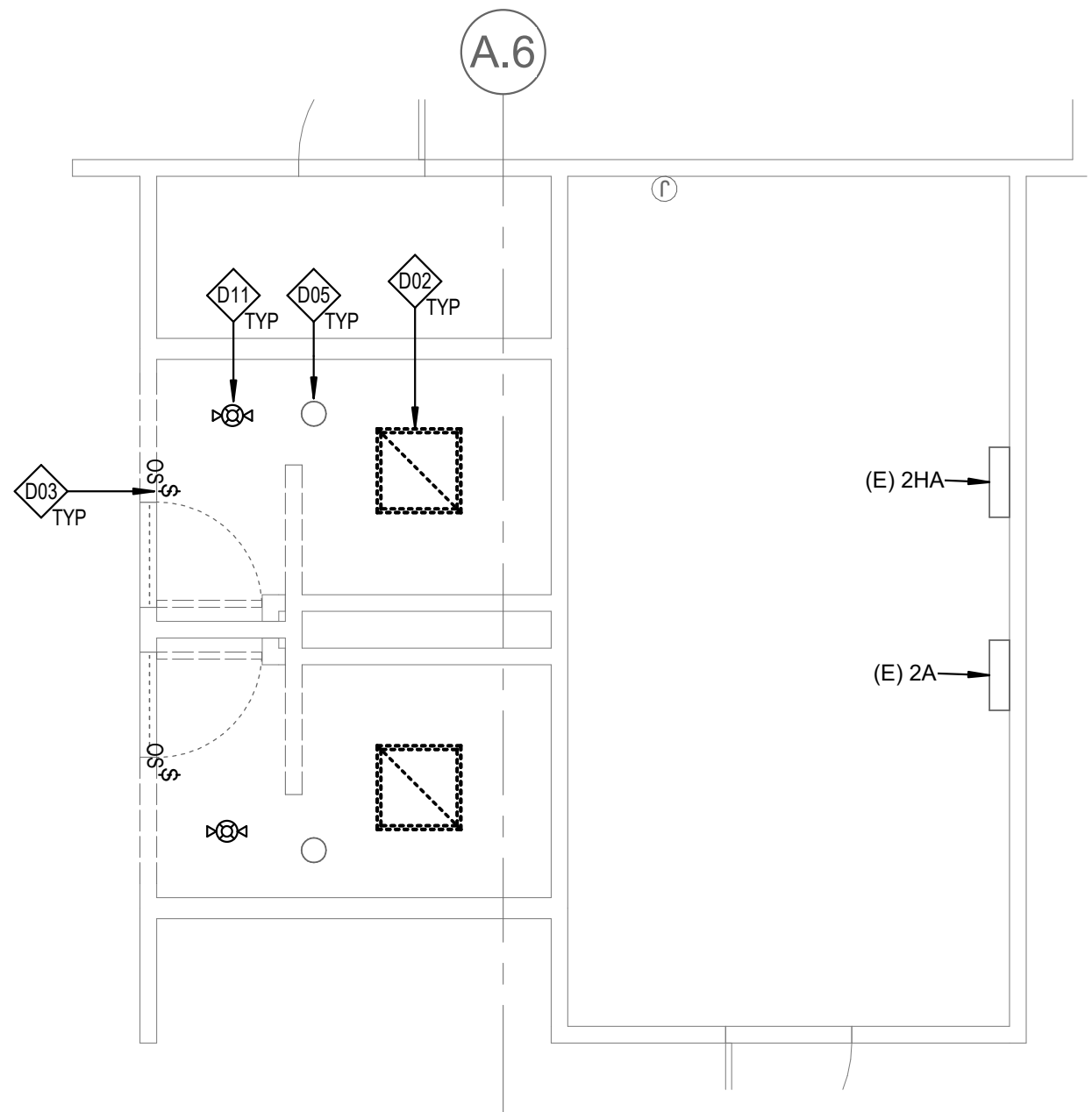
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**GENERAL NOTES**

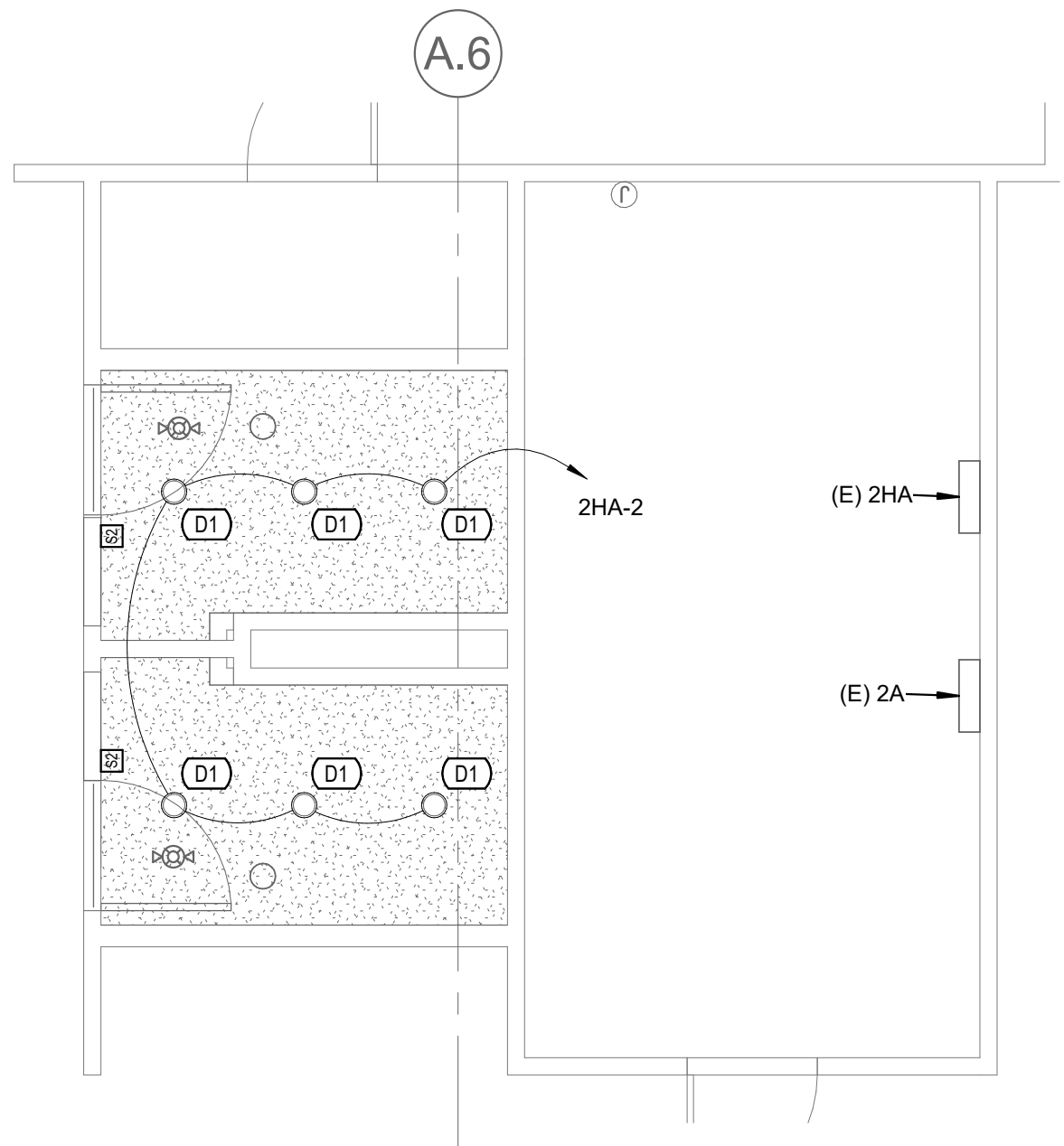
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**# SHEET KEYNOTES**

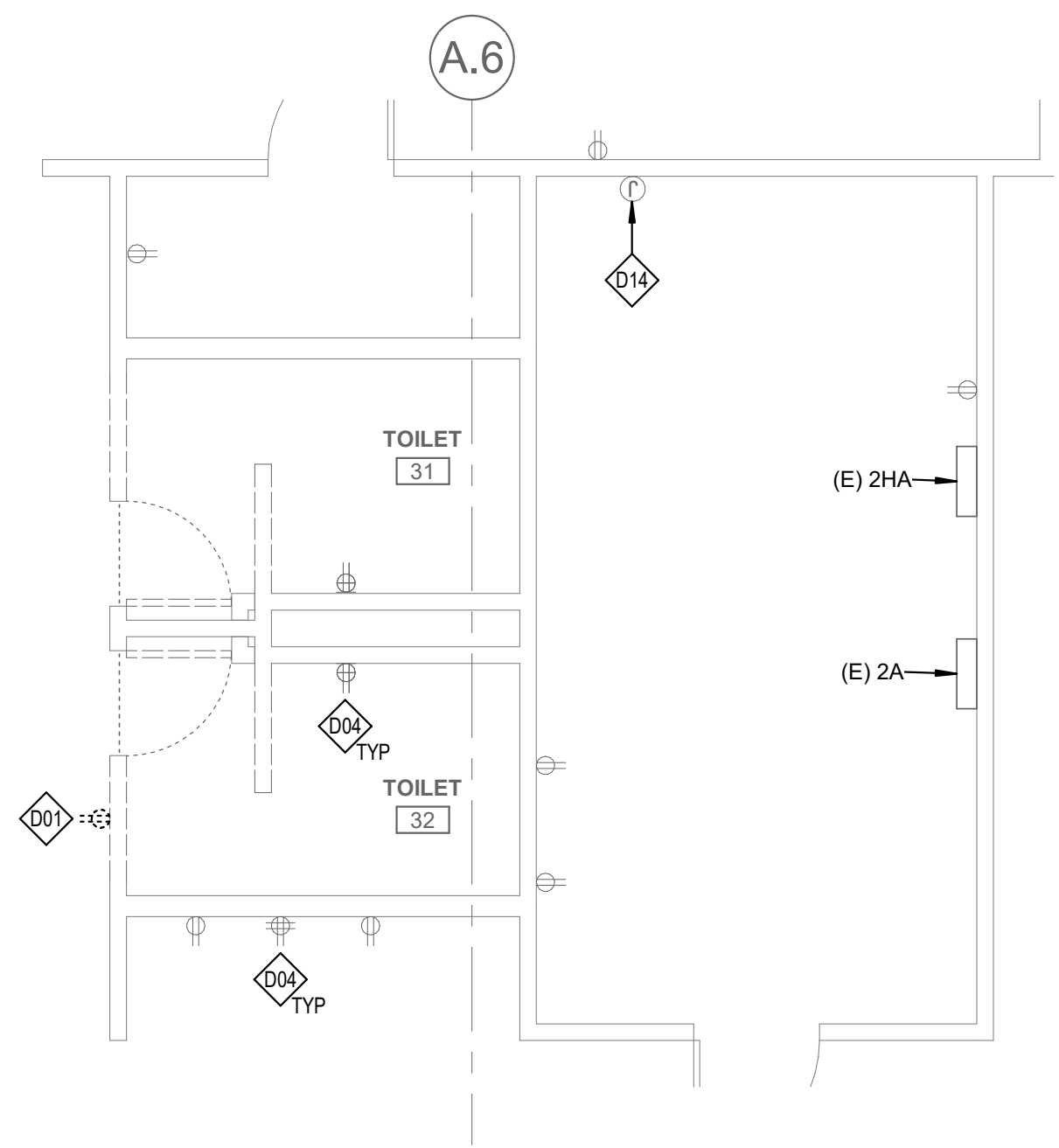
- D01 EXISTING WIRING DEVICE TO BE REMOVED. DISCONNECT FROM EXISTING CIRCUIT AND REMOVE ASSOCIATED CONDUIT AND CONDUCTORS. MAINTAIN THE EXISTING CIRCUIT AS REQUIRED. FIELD VERIFY.
- D02 EXISTING LIGHTING FIXTURE TO BE REMOVED.
- D03 EXISTING LIGHTING DEVICE TO BE REMOVED.
- D04 EXISTING WIRING DEVICE TO REMAIN, PROTECT IN PLACE.
- D05 EXISTING LIGHTING FIXTURE TO REMAIN, PROTECT IN PLACE.
- D11 EXISTING FIRE ALARM DEVICE TO REMAIN AND PROTECT IN PLACE. ANY NECESSARY MODIFICATIONS TO THE FIRE ALARM SYSTEM BY OTHERS.
- D14 EXISTING WIRING DEVICE TO REMAIN, PROTECT IN PLACE. DISCONNECT FROM EXISTING WATER HEATER TO BE DEMOLISHED.
- P01 RECONNECT TO EXISTING 120V CIRCUIT MADE AVAILABLE FROM DEMOLITION. PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. FIELD VERIFY.
- P08 CONNECT NEW WATER HEATER TO EXISTING 120V CIRCUIT MADE AVAILABLE FROM DEMOLITION. PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. FIELD VERIFY.
- P09 PROVIDE SINGLE GANG JUNCTION BOX FOR AUTOMATIC SINK. FIELD VERIFY EXACT LOCATION WITH ARCHITECTURAL AND PLUMBING PRIOR TO ROUGH-IN.
- P10 PROVIDE SINGLE GANG JUNCTION BOX FOR AUTOMATIC TOILET. FIELD VERIFY EXACT LOCATION WITH ARCHITECTURAL AND PLUMBING PRIOR TO ROUGH-IN.
- P11 REFER TO MECHANICAL PLANS FOR EQUIPMENT INFORMATION.



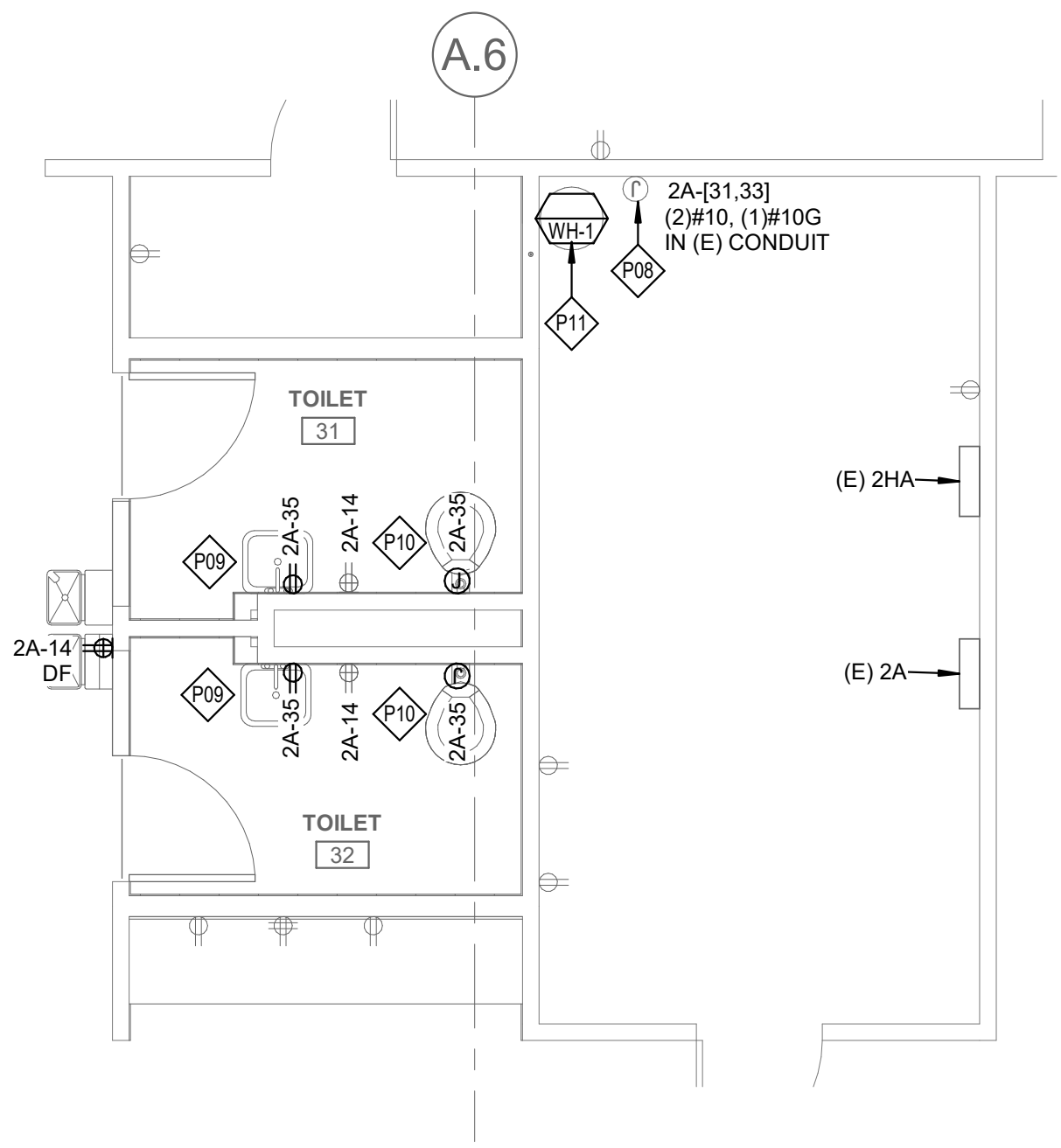
**4 FINANCE RESTROOM LIGHTING DEMO PLAN**  
 SCALE: 1/4" = 1'-0"



**3 FINANCE RESTROOM LIGHTING PLAN**  
 SCALE: 1/4" = 1'-0"



**2 FINANCE RESTROOM DEMO PLAN**  
 SCALE: 1/4" = 1'-0"



**1 FINANCE RESTROOM POWER PLAN**  
 SCALE: 1/4" = 1'-0"

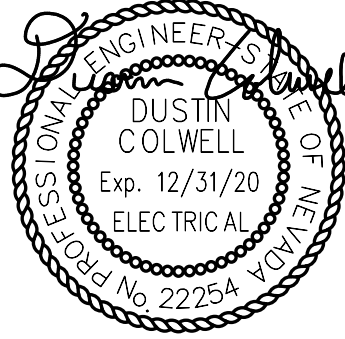
**ELECTRICAL PLANS  
 - FINANCE  
 RESTROOMS  
 e206**

**CITY OF SPARKS  
 CITY HALL**  
 City of Sparks, Nevada

**431 Prater Way**

No.	Description	Date





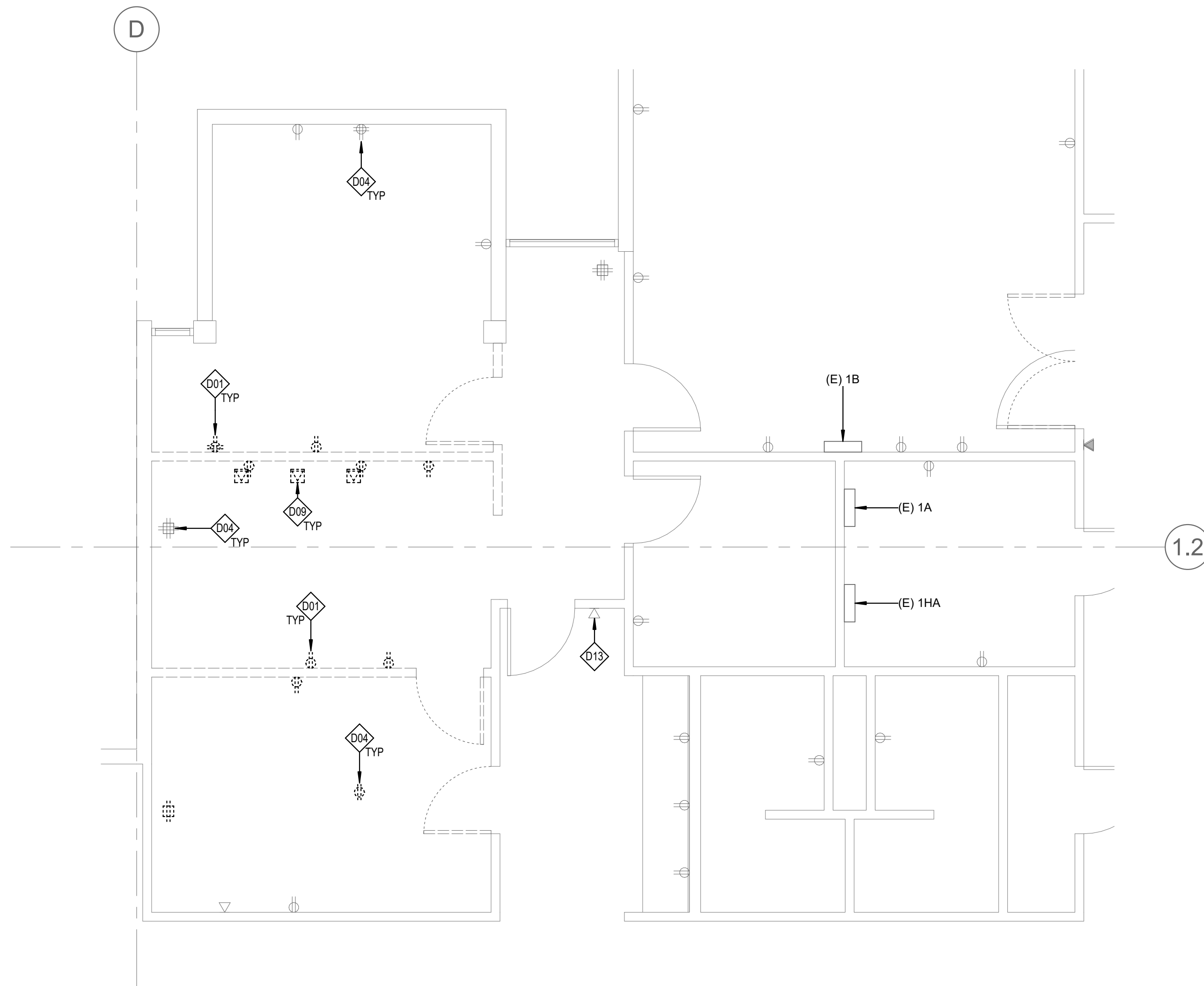
10/08/2020

**GENERAL NOTES**

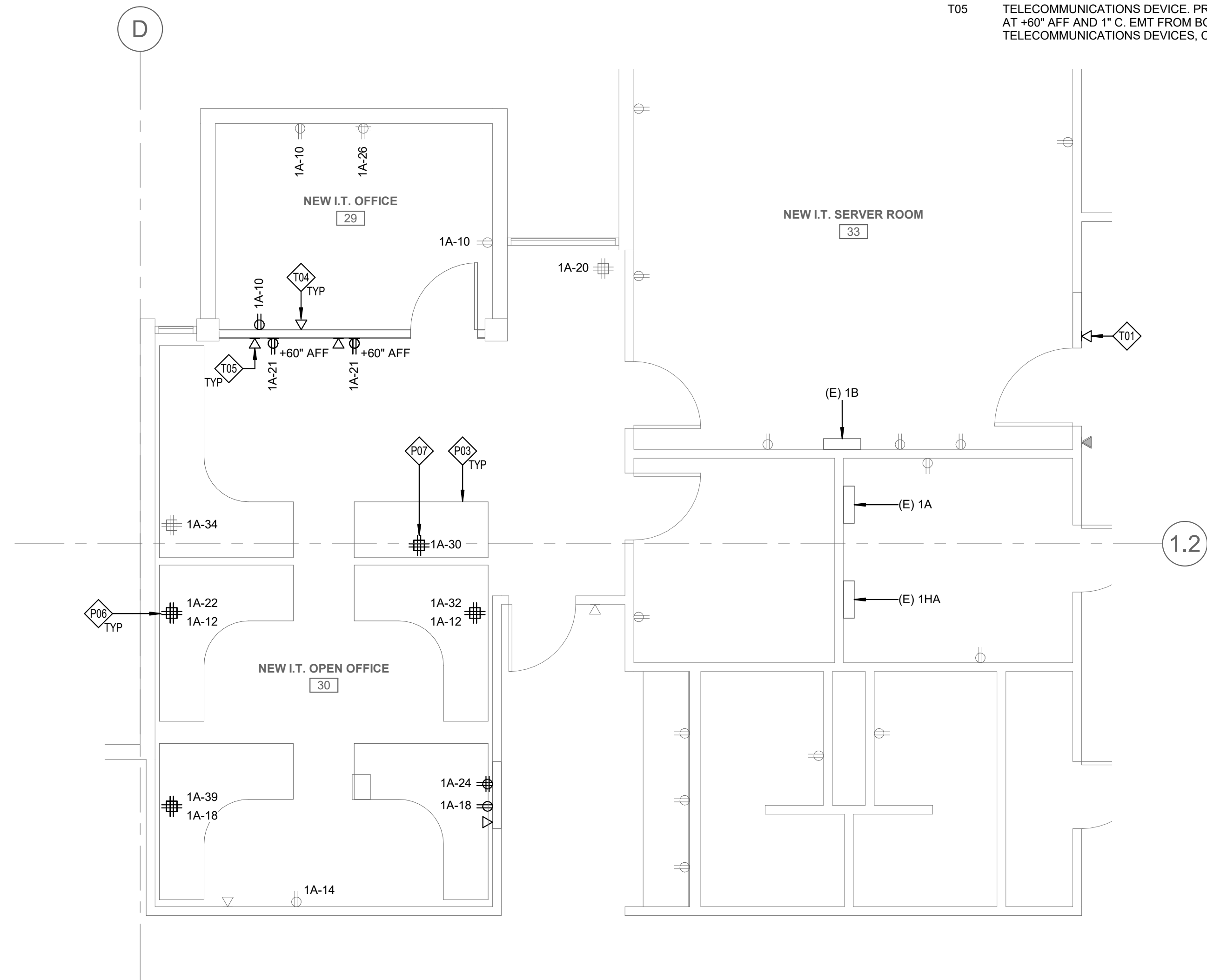
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**◆ SHEET KEYNOTES**

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- D04 EXISTING WIRING DEVICE TO REMAIN, PROTECT IN PLACE.
- D09 EXISTING TELECOMMUNICATION DEVICE TO BE REMOVED. DISCONNECT FROM EXISTING SOURCE AND REMOVE ASSOCIATED CONDUIT AND CABLING.
- D13 EXISTING ACCESS CONTROL SYSTEM DEVICE TO REMAIN, PROTECT IN PLACE.
- P03 FINAL FURNITURE EQUIPMENT DESIGN BY OTHERS. COORDINATE EXACT LOCATIONS AND REQUIREMENTS AS REQUIRED. FIELD VERIFY.
- P06 ELECTRICAL FLOOR BOX: PROVIDE HUBBELL CFB4G30 WITH (3) DUPLEX OUTLETS FOR POWER, (2) FOR THE IT DESK CIRCUIT, AND (1) FOR A HEATER. THE REMAINING SINGLE GANG BOX SHALL BE RESERVED FOR COMMUNICATIONS, BY OTHERS.
- P07 ELECTRICAL FLOOR BOX: PROVIDE HUBBELL CFB4G30 WITH (2) DUPLEX OUTLETS FOR POWER, (2) FOR THE IT WORK BENCH AND (1) SPARE SINGLE GANG BOX FOR FUTURE POWER. THE REMAINING SINGLE GANG BOX SHALL BE RESERVED FOR COMMUNICATIONS, BY OTHERS.
- T01 ACCESS CONTROL SYSTEM CARD READER. PROVIDE SINGLE GANG JUNCTION BOX WITH MUD RING AT +42" AFF AND 1" C. EMT FROM BOX TO 6" ABOVE FINISHED CEILING. TELECOMMUNICATIONS EQUIPMENT CONNECTIONS BY OTHERS.
- T04 TELECOMMUNICATIONS DEVICE. PROVIDE SINGLE GANG JUNCTION BOX WITH MUD RING AT +18" AFF AND 1" C. EMT FROM BOX TO 6" BELOW ACCESSIBLE FLOOR SPACE. TELECOMMUNICATIONS DEVICES, CABLING, AND CONNECTIONS BY OTHERS.
- T05 TELECOMMUNICATIONS DEVICE. PROVIDE SINGLE GANG JUNCTION BOX WITH MUD RING AT +60" AFF AND 1" C. EMT FROM BOX TO 6" BELOW ACCESSIBLE FLOOR SPACE. TELECOMMUNICATIONS DEVICES, CABLING, AND CONNECTIONS BY OTHERS.



**2 IT OFFICES DEMO PLAN**  
 SCALE: 1/4" = 1'-0"



**1 IT OFFICES POWER PLAN**  
 SCALE: 1/4" = 1'-0"

**ELECTRICAL PLANS  
 - IT OFFICES  
 e207**

**CITY OF SPARKS  
 CITY HALL**  
 City of Sparks, Nevada

**431 Prater Way**

No.	Description	Date

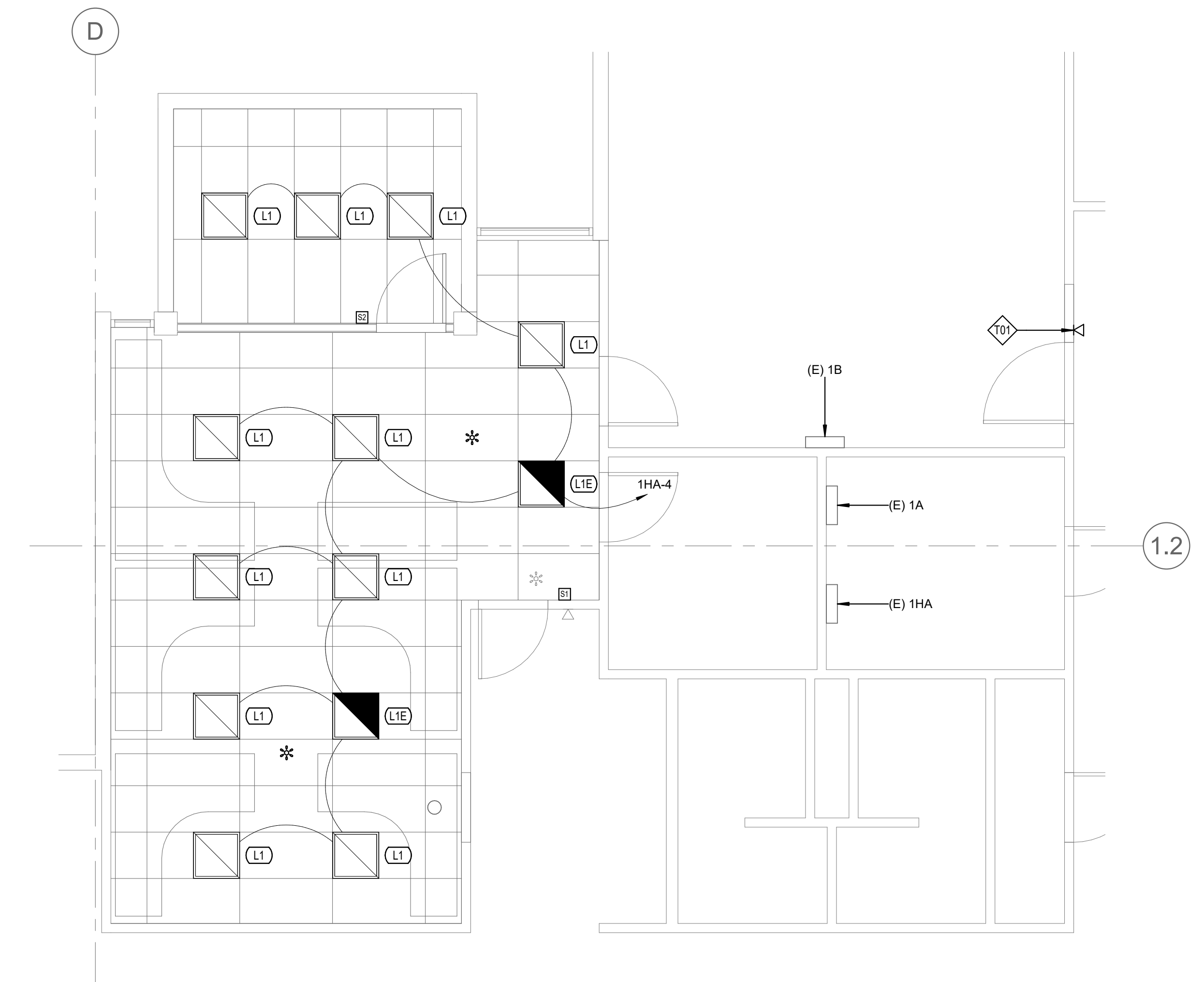
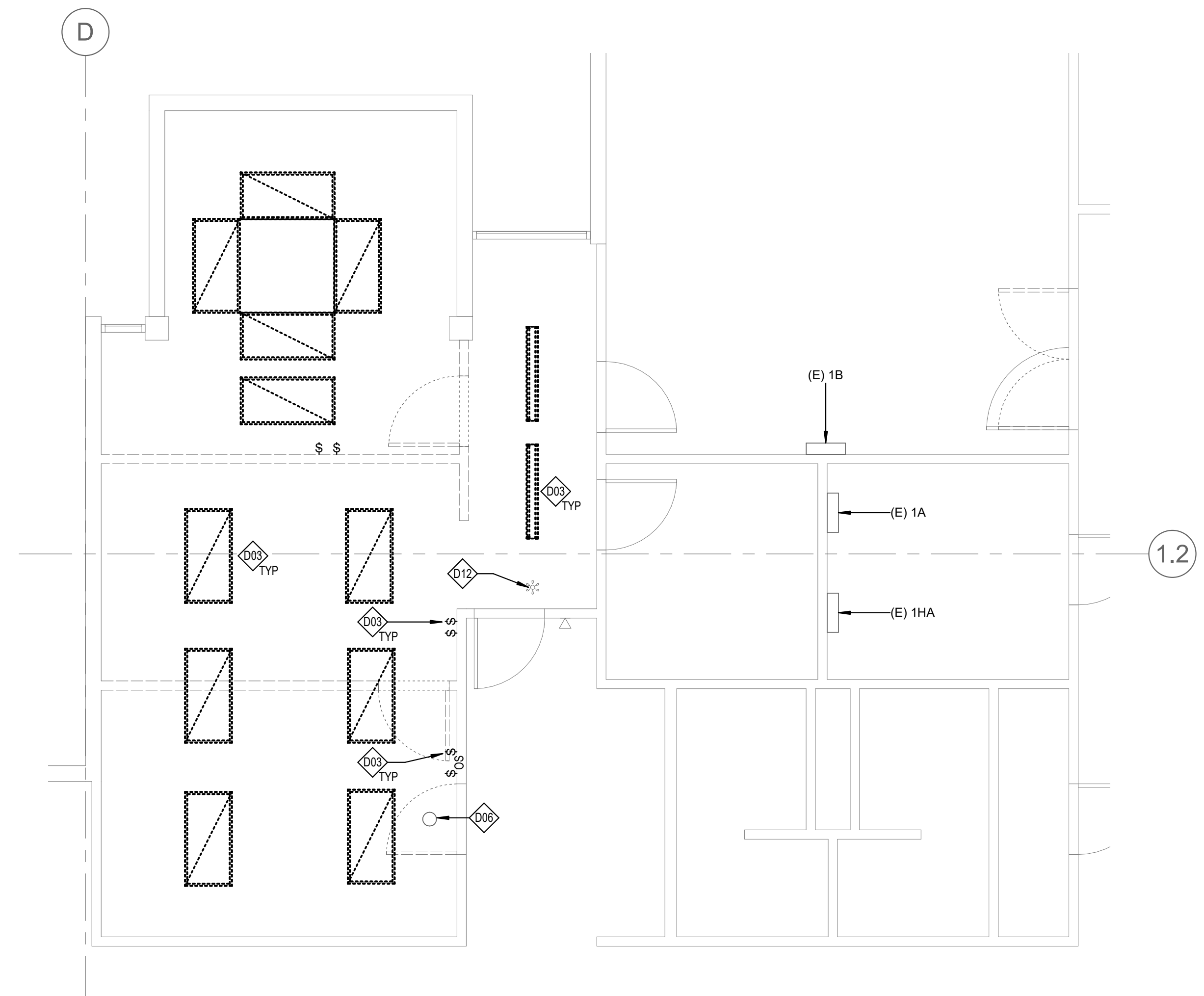
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**GENERAL NOTES**

- EXISTING CONDITIONS ARE INDICATED ON THE DRAWINGS WITH HALF-TONE LINE WORK, DEMOLITION WORK IS INDICATED WITH FULL-TONE, DASHED LINE WORK, AND NEW OR PROPOSED WORK IS INDICATED WITH FULL-TONE, SOLID LINE WORK.
- VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH WORK. FIELD CONFLICTS AND/OR DISCREPANCIES IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.

**◆ SHEET KEYNOTES**

- D03 EXISTING LIGHTING DEVICE TO BE REMOVED.
- D06 EXISTING PANIC STROBE TO REMAIN, PROTECT IN PLACE.
- D12 EXISTING ACCESS CONTROL DEVICE TO REMAIN. REMOVE FOR CONSTRUCTION OF NEW CEILING AND PROTECT FOR REINSTALLATION. FIELD VERIFY REQUIREMENTS. ANY NECESSARY MODIFICATIONS TO THE SECURITY SYSTEM BY OTHERS.
- T01 ACCESS CONTROL SYSTEM CARD READER. PROVIDE SINGLE GANG JUNCTION BOX WITH MUD RING AT +42" AFF AND 1" C. EMT FROM BOX TO +6" ABOVE FINISHED CEILING. TELECOMMUNICATIONS EQUIPMENT CONNECTIONS BY OTHERS.



**ELECTRICAL PLANS  
 - IT OFFICES  
 e208**

**CITY OF SPARKS  
 CITY HALL**  
 City of Sparks, Nevada

**431 Prater Way**

No.	Description	Date

**2 IT OFFICES LIGHTING DEMO PLAN**  
 SCALE: 1/4" = 1'-0"

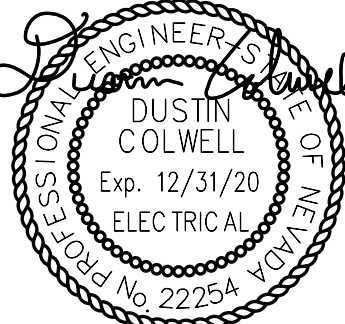
**1 IT OFFICES LIGHTING PLAN**  
 SCALE: 1/4" = 1'-0"



### BUILDING LIGHTING FIXTURE SCHEDULE

FIXTURE ID	DESCRIPTION	SOURCE	VOLTAGE	LOAD	MOUNTING	MANUFACTURER & MODEL NUMBER	NOTES
D1	6-INCH RECESSED DOWNLIGHT, 5000K, 1500 LUMEN, 0-10V DIMMING	LED	277 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	277 V	32 VA	CEILING, RECESSED	LITHONIA EPANL-2X2-2000LM-80CRI-50K-MIN1-ZT-MVOLT OR APPROVED EQUAL	
L1E	2X2 LED LIGHT FIXTURE, 80CRI, 5000K, 2000 LUMEN, 0-10V DIMMING, 90 MIN BATTERY BACKUP	LED	277 V	32 VA	CEILING, RECESSED	LITHONIA EPANL-2X2-2000LM-80CRI-50K-MIN1-ZT-MVOLT-E10WCP OR APPROVED EQUAL	
L2	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 OR APPROVED EQUAL	
L2E	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 OR APPROVED EQUAL	
X1	EXIT SIGN, SINGLE FACE, WHITE WITH GREEN LETTERING	LED	277 V	2 VA	FIXTURE MOUNTING PER PLAN	ISOLITE ELTMR-EM-G-1C-WH OR APPROVED EQUAL	
X2	EXIT SIGN, SINGLE FACE, WHITE WITH GREEN LETTERING	LED	120 V	2 VA	FIXTURE MOUNTING PER PLAN	ISOLITE ELTMR-EM-G-1C-WH OR APPROVED EQUAL	

**Kimley»Horn**  
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5370 KIETZKE LN., SUITE 100, RENO, NV 89511  
PHONE: 775-787-7552  
WWW.KIMLEY-HORN.COM



10/08/2020

## COMcheck Software Version 4.1.4.1 Interior Lighting Compliance Certificate

### Project Information

Energy Code: 2018 IECC  
Project Title: Sparks City Hall Remodel  
Project Type: Alteration

Construction Site: 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 (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts (B X C)
1-Sparks City Hall (Town Hall)	2472	0.80	1978
Total Allowed Watts =			1978

### Proposed Interior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	A Lamps / Fixture	B # of Fixtures	C Watt.	D (C X D)	E
Sparks City Hall ( Town Hall 2472 sq ft.)					
D1: LED Panel 33W:	1	6	23	138	
L1,L1E,L2,L2E: LED Panel 33W:	1	51	33	1683	
Total Proposed Watts =				1821	

### 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: 10/08/2020

Project Title: Sparks City Hall Remodel  
Data filename: K:\REN\_Mechanical\192079013 - Sparks City Hall IT Remodel\Calculations\ELEC IECC.cck  
Report date: 08/22/20  
Page 1 of 6

### LIGHTING CONTROLS SEQUENCE OF OPERATIONS

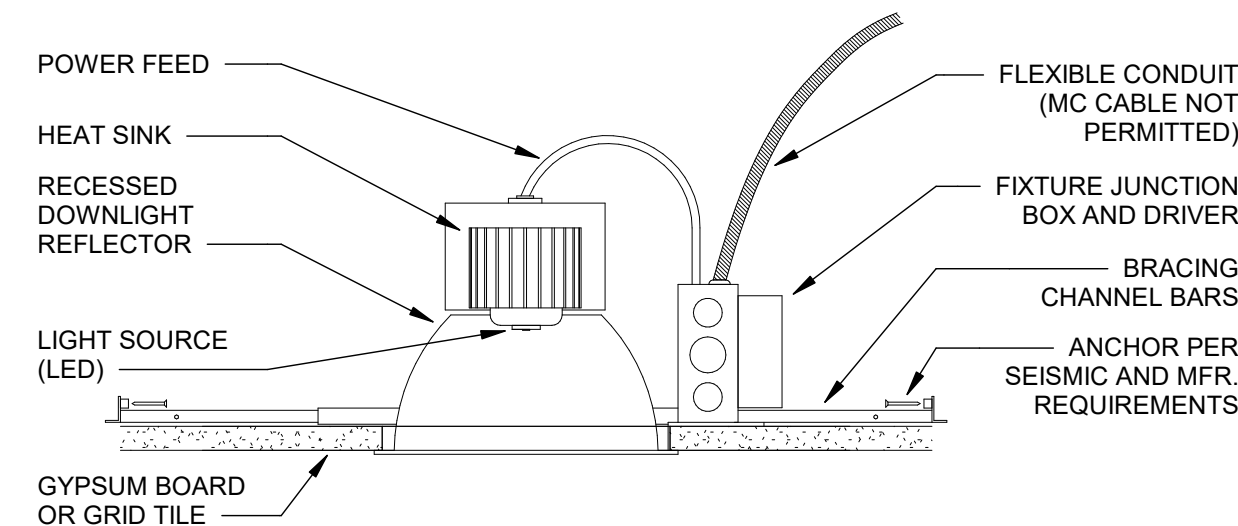
- GENERAL
  - ALL LIGHTING SHALL BE HIGH EFFICIENCY LED WITH DIMMING CONTROLS. OWNER SHALL HAVE THE ABILITY TO REDUCE TOTAL LUMEN OUTPUT AS DESIRED.
  - ALL EMERGENCY LIGHTING SHALL BE EMERGENCY BATTERY BACKUP EITHER REMOTELY MOUNTED OR INTEGRAL TO THE FIXTURE. FIXTURES WITH EMERGENCY BATTERY BACKUP 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/MANUAL ON OCCUPANCY SENSOR CONTROLS. EXPECT WHERE 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: N.T.S.

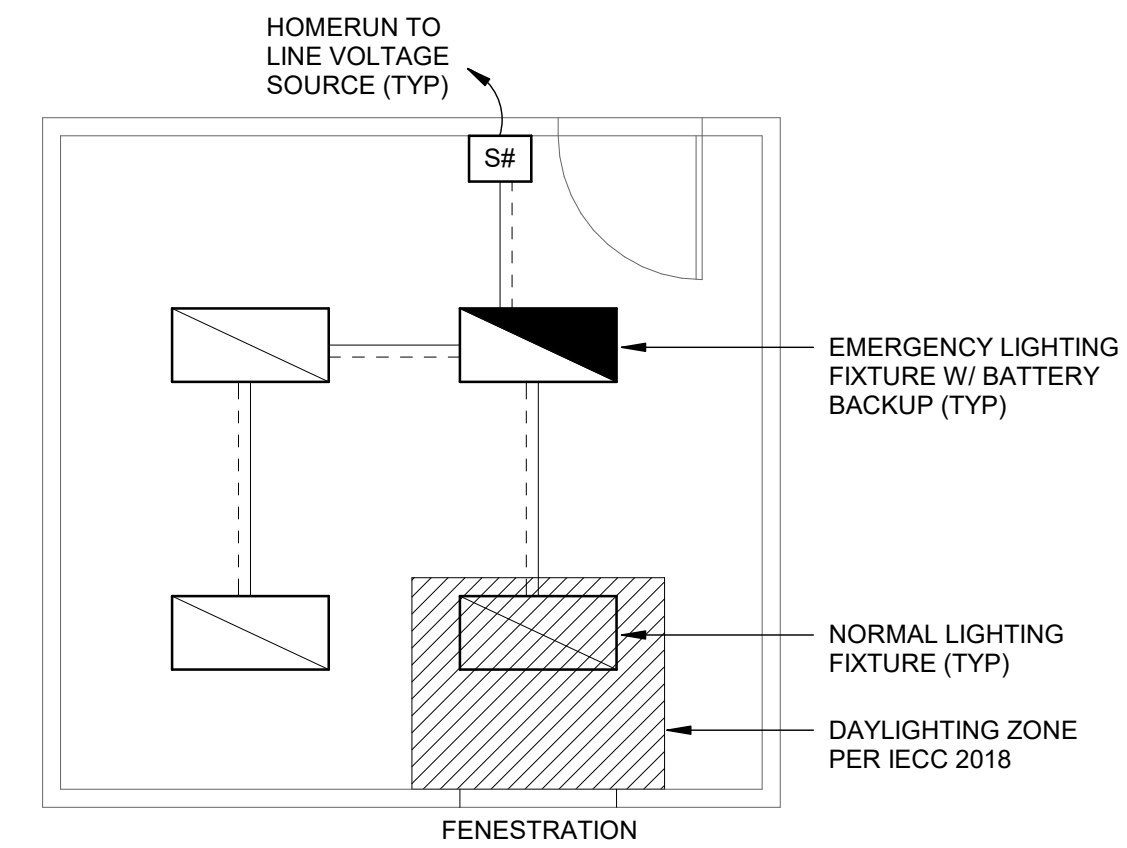
### LIGHTING CONTROLS LEGEND

----	LOW VOLTAGE CONTROLS CABLING (BY OTHERS)
—	LINE VOLTAGE CONDUIT AND CONDUCTORS
PP	ROOM/ZONE CONTROL PACK (LITHONIA PP20 OR APPROVE EQUAL)
S1	DIMMING SWITCH, 0-10V DIMMING, 4-BUTTON - ON/OFF/RAISE/LOWER (LITHONIA SPODM-D-SA-WH OR APPROVE EQUAL)
S2	DIMMING SWITCH W/ INTEGRAL OCCUPANCY SENSOR (LITHONIA WSX-PDT-D-VA-WH OR APPROVED EQUAL)
S3	DIMMING SWITCH WITH INTEGRAL OCCUPANCY SENSOR (LITHONIA WSX-PDT-D-VA-WH OR APPROVED EQUAL). CONTRACTOR SHALL ENABLE ADH CAPABILITY FOR THIS SPACE



## 2 RECESSED DOWNLIGHT MOUNTING DETAIL

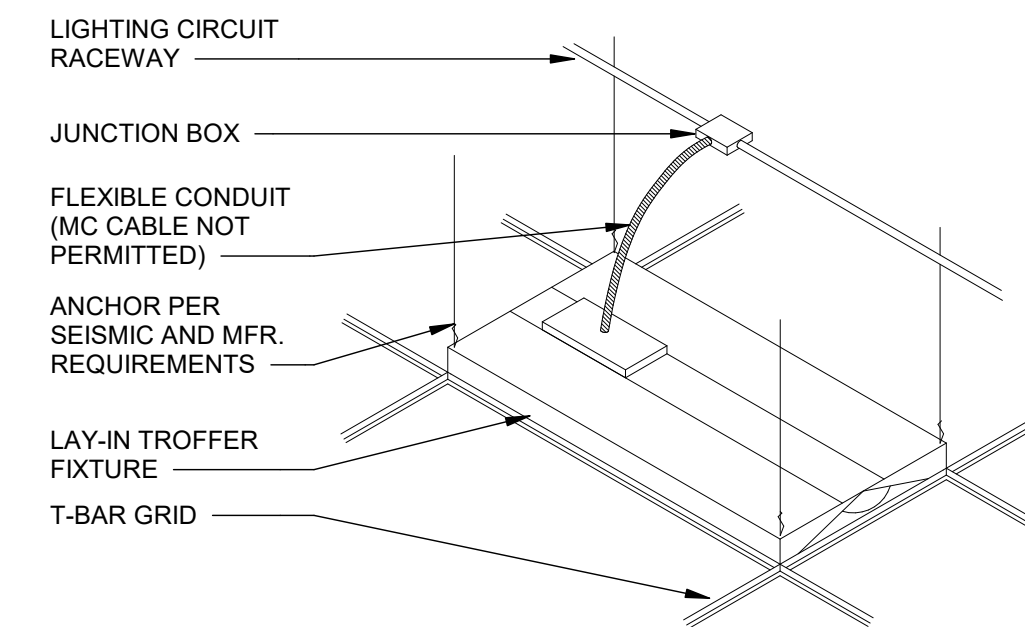
SCALE: N.T.S.



NOTES:  
1. CONTROLS CABLING AS REQUIRED. COORDINATE CONTROLS CABLING REQUIREMENTS WITH CONTROLS MANUFACTURER.

## 4 TYPICAL LIGHTING CONTROLS RISER DIAGRAMS

SCALE: N.T.S.



## 1 RECESSED TROFFER MOUNTING DETAIL

SCALE: N.T.S.

**ELECTRICAL  
SCHEDULES &  
DETAILS**  
**e601**

**CITY OF SPARKS  
CITY HALL**  
City of Sparks, Nevada

**431 Prater Way**

No.	Description	Date

**PERMIT SET**  
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BRANCH PANEL: 1A
LOCATION: REFER TO PLANS
SUPPLY FROM: MSB
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTS: 120/208 WYE
PHASES: 3
WIRES: 4
A.I.C. RATING: 10K
MAINS TYPE: MCB
MAINS RATING: 225 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				0 VA	0 VA			1	20 A (E) RECP 326, 327, 328, ...	2
3	(E) SPARE	100 A	3		0 VA	0 VA		1	20 A (E) RECP 326, 327, 328, 329	4
5						0 VA	0 VA	1	20 A (E) RECP 328, 329	6
7	(E) RR, WTR FNTN 313	20 A	1	0 VA	0 VA			1	20 A (E) RECP 327	8
9	(E) RECP KITCHEN GFI	20 A	1		0 VA	900 VA		1	20 A IT HEATER	10
11	(E) RECP 315	20 A	1			0 VA	1800 VA	1	20 A IT HEATER	12
13	(E) RECP 315, 315	20 A	1	0 VA	0 VA			1	20 A (E) RECP 312, 320, HALL	14
15	(E) RECP 313, 314, 315SS5	20 A	1		0 VA	0 VA		1	20 A (E) RECP HALL PLOTTER	16
17	(E) RECP SERVER RM	20 A	1			0 VA	1800 VA	1	20 A IT HEATER	18
19	(E) SERVER RM EX FANS	20 A	1	0 VA	0 VA			1	20 A (E) CO IT DESK DEDICATED	20
21	ELEC RM, IT MON (NOTE 3)	20 A	1		360 VA	360 VA		1	20 A IT DESK	22
23	(E) ATTIC RECAP	20 A	1			0 VA	360 VA	1	20 A IT DESK	24
25	(E) A/C UNIT	20 A	2	0 VA	0 VA			1	20 A (E) RECP 322	26
27					0 VA	0 VA		1	20 A (E) SPARE (NOTE 1)	28
29	(E) A/C UNIT	20 A	2			0 VA	360 VA	1	20 A IT BENCH (NOTE 2)	30
31				0 VA	360 VA			1	20 A IT DESK DED, 310 (NOTE 3)	32
33	(E) AHU CONTROLS	20 A	1		0 VA	360 VA		1	20 A IT BENCH, 324 (NOTE 3)	34
35	(E) AHU CONTROLS	20 A	1			0 VA	0 VA	1	20 A (E) RECP 323	36
37	(E) ELEC RM	20 A	1	0 VA	0 VA			1	20 A (E) RECP COUNTERTOP	38
39	IT DESK	20 A	1		360 VA	0 VA		1	20 A (E) RECP COUNTERTOP	40
41	(E) SPACE	--	--			0 VA	0 VA	1	20 A (E) RECP RR	42
TOTAL LOAD:				360 VA	2340 VA	4320 VA				
TOTAL AMPS:				3 A	22 A	39 A				
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS						
EQUIPMENT	360 VA	100.00%	360 VA	TOTAL CONN. LOAD: 7020 VA						
RECEPTACLE	6660 VA	100.00%	6660 VA	TOTAL EST. DEMAND: 7020 VA						
				TOTAL CONN.: 19 A						
				TOTAL EST. DEMAND: 19 A						

NOTES:  
LOAD DELTA= 2.8A @ 120/208V, 3-PHASE. 1.) DISCONNECT THE LIGHTING LOAD CONNECTED TO THIS BREAKER AND RECIRCUIT TO PANEL 1HA. REFER TO PANEL SCHEDULE. FIELD VERIFY REQUIREMENTS. 2.) DISCONNECT EXISTING FIRE SUPPRESSION SYSTEM CONNECTED TO THIS BREAKER. REMOVAL OF FIRE SUPPRESSION SYSTEM BY OTHERS. 3.) CONNECT NEW LOAD TO EXISTING CIRCUIT AS REQUIRED.

BRANCH PANEL: 2A
LOCATION: REFER TO PLANS
SUPPLY FROM: MSB
MOUNTING: SURFACE
ENCLOSURE: TYPE 1
VOLTS: 120/208 WYE
PHASES: 3
WIRES: 4
A.I.C. RATING: 10K
MAINS TYPE: MCB
MAINS RATING: 225 A
MCB RATING: 225 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT	
1	(E) RM 308 S WALL	20 A	1	0 VA	0 VA			1	20 A (E) RM 300, 301, 302	2	
3	(E) RM 308, 309	20 A	1		0 VA	0 VA		1	20 A (E) RM 300, 301, 302, HALL	4	
5	(E) RM 309	20 A	1			0 VA	0 VA	1	20 A (E) RM 300 FLOOR RECEPT	6	
7	(E) RM 308 COPIER	20 A	1	0 VA	0 VA			1	20 A (E) RM 320, 321, 322	8	
9	(E) RM 308 COPIER	20 A	1		0 VA	0 VA		1	20 A (E) RM 320, 321, 322	10	
11	(E) RM 308 N WALL	20 A	1			0 VA	0 VA	1	20 A (E) KITCHEN GFCCI	12	
13	(E) RM 308 N WALL	20 A	1	0 VA	1860 VA			1	20 A (E) RESTROOMS, DF	14	
15	(E) SECURITY PANEL	20 A	1		0 VA	0 VA		1	20 A (E) RECP 323	16	
17	(E) ELEC RM	20 A	1			0 VA	0 VA	1	20 A (E) RECP 323, 326	18	
19	(E) ELEC RM	20 A	1	0 VA	0 VA			1	20 A (E) RECP 326	20	
21	(E) ATTIC RECEPT	20 A	1		0 VA	0 VA		1	20 A (E) RECP 323	22	
23	(E) AIR HANDLER PNL	20 A	1			0 VA	0 VA	1	20 A (E) RECP 323	24	
25	(E) AIR HANDLER PNL	20 A	1	0 VA	0 VA			1	20 A (E) RECP COUNTERTOP GFI	26	
27	(E) RM 306 FLOOR RECEPT	20 A	1		0 VA	0 VA		1	20 A (E) RECP COUNTERTOP GFI	28	
29	(E) RM 308	20 A	1			0 VA	0 VA	1	20 A (E) RECP RR 308	30	
31	EQ ELECTRIC WATER HEATER	30 A	2	2250 VA	720 VA			1	20 A CO FINANCE FLOOR BOX	32	
33		--	--		2250 VA	0 VA		1	20 A AHU-2 & 3 RECP	34	
35	EQ AUTO FAUCET/TOILET	20 A	1			1200 VA	360 VA	1	20 A CO FINANCE FLOOR BOX	36	
37	(E) SPACE	--	--	0 VA	0 VA			--	--	(E) SPACE	38
39	(E) SPACE	--	--		0 VA	0 VA		--	--	(E) SPACE	40
41	(E) SPACE	--	--			0 VA	0 VA	--	--	(E) SPACE	42
TOTAL LOAD:				4830 VA	2250 VA	1560 VA					
TOTAL AMPS:				41 A	20 A	13 A					
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS							
EQUIPMENT	6600 VA	100.00%	6600 VA	TOTAL CONN. LOAD: 8640 VA							
RECEPTACLE	2040 VA	100.00%	2040 VA	TOTAL EST. DEMAND: 8640 VA							
				TOTAL CONN.: 24 A							
				TOTAL EST. DEMAND: 24 A							

NOTES:  
LOAD DELTA= 7.33A @ 120/208V, 3-PHASE.

BRANCH PANEL: 1HA
LOCATION: REFER TO PLANS
SUPPLY FROM: MSB
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTS: 480/277 WYE
PHASES: 3
WIRES: 4
A.I.C. RATING: 14K
MAINS TYPE: MLO
MAINS RATING: 250 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	(E) H20 HEATER	20 A	1	0 VA	0 VA			1	20 A (E) LTG RM...	2
3	(E) EXIT LIGHTS	20 A	1		0 VA	480 VA		1	20 A LTG RM 313, 320-323, 326	4
5	(E) TIMECLOCK/NGT LGTS	20 A	1			0 VA	0 VA	1	20 A (E) SPARE	6
7	(E) HALL LIGHTING	20 A	1	0 VA	0 VA			1	20 A (E) SPARE	8
9	(E) SPARE	20 A	1		0 VA	0 VA		1	20 A (E) SPARE	10
11	(E) SPARE	20 A	1			0 VA	0 VA	1	20 A (E) SPARE	12
13	(E) SPARE	20 A	1	0 VA	0 VA			3	30 A (E) A/C UNIT	14
15	(E) SPARE	20 A	1		0 VA	0 VA		3	30 A (E) AC-2, CU-2	16
17	(E) SPARE	20 A	1			0 VA	0 VA	3	15 A (E) A/C UNIT	18
19	(E) SPARE	20 A	1	0 VA	0 VA			3	20 A (E) A/C UNIT	20
21	(E) SPARE	20 A	1		0 VA	0 VA		3	15 A (E) A/C UNIT	22
23	(E) SPARE	20 A	1			0 VA	0 VA	3	20 A (E) A/C UNIT	24
25				0 VA	0 VA			3	30 A (E) AC-2, CU-2	26
27	(E) XMFR T1	125 A	3		0 VA	0 VA		3	30 A (E) AC-2, CU-2	28
29				0 VA	0 VA			3	20 A (E) A/C UNIT	30
31	(E) SERVER RM UPS	60 A	3		0 VA	0 VA		3	20 A (E) A/C UNIT	32
33				0 VA	0 VA			3	20 A (E) A/C UNIT	34
35				0 VA	0 VA			3	20 A (E) A/C UNIT	36
37	(E) SPARE	90 A	3		0 VA	0 VA		3	20 A (E) A/C UNIT	38
41						0 VA	0 VA	3	20 A (E) A/C UNIT	40
TOTAL LOAD:				0 VA	480 VA	0 VA				
TOTAL AMPS:				0 A	2 A	0 A				
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS						
LIGHTING	480 VA	125.00%	600 VA	TOTAL CONN. LOAD: 480 VA						
				TOTAL EST. DEMAND: 600 VA						
				TOTAL CONN.: 1 A						
				TOTAL EST. DEMAND: 1 A						

NOTES:  
LOAD DELTA= -0.3A @ 277/480V, 3-PHASE.

BRANCH PANEL: 2HA
LOCATION: REFER TO PLANS
SUPPLY FROM: MSB
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTS: 480/277 WYE
PHASES: 3
WIRES: 4
A.I.C. RATING: 14K
MAINS TYPE: MLO
MAINS RATING: 250 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT	
1	(E) HALLWAY LIGHTING	20 A	1	0 VA	318 VA			1	20 A ELEC RM, RR, 303, 304, 305	2	
3	(E) E-LIGHTS	20 A	1		0 VA	0 VA		1	20 A (E) RM 308, 309	4	
5	(E) SPARE	20 A	1			0 VA	0 VA	1	20 A (E) TIMECLOCK/NIGHT...	6	
7	(E) EXIT LIGHTS	20 A	1	0 VA	0 VA			1	20 A (E) SPARE	8	
9	(E) SPARE	20 A	1		0 VA	0 VA		1	20 A (E) RM 306, 307	10	
11	(E) SPARE	20 A	1			0 VA	0 VA	1	20 A (E) SPARE	12	
13	(E) SPARE	20 A	1	0 VA	0 VA			1	20 A (E) SPARE	14	
15	(E) SPARE	20 A	1		0 VA	0 VA		1	20 A (E) SPARE	16	
17	(E) SPARE	20 A	1			0 VA	0 VA	1	20 A (E) SPARE	18	
19	(E) SPARE	20 A	1	0 VA	0 VA			1	20 A (E) SPARE	20	
21	(E) SPARE	20 A	1		0 VA	0 VA		1	20 A (E) SPARE	22	
23	(E) SPARE	20 A	1			0 VA	0 VA	1	20 A (E) SPARE	24	
25	(E) SPARE	20 A	1	0 VA	0 VA			--	--	(E) SPACE	26
27	(E) SPARE	20 A	1		0 VA	0 VA		--	--	(E) SPACE	28
29	(E) SPARE	20 A	1			0 VA	0 VA	--	--	(E) SPACE	30
31	(E) SPACE	--	--	0 VA	0 VA			--	--	(E) SPACE	32
33	(E) SPACE	--	--		0 VA	0 VA		--	--	(E) SPACE	34
35	(E) SPACE	--	--			0 VA	0 VA	--	--	(E) SPACE	36
37	(E) SPACE	--	--	0 VA	0 VA			--	--	(E) SPACE	38
39	(E) SPACE	--	--		0 VA	0 VA		--	--	(E) SPACE	40
41	(E) SPACE	--	--			0 VA	0 VA	--	--	(E) SPACE	42
TOTAL LOAD:				318 VA	0 VA	0 VA					
TOTAL AMPS:				1 A	0 A	0 A					
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS							
LIGHTING	318 VA	125.00%	398 VA	TOTAL CONN. LOAD: 318 VA							
				TOTAL EST. DEMAND: 398 VA							
				TOTAL CONN.: 0 A							
				TOTAL EST. DEMAND: 0 A							

NOTES:  
LOAD DELTA= -0.2A @ 277/480V, 3-PHASE.

GENERAL NOTES

1. EXISTING CONDITIONS AS INDICATED ON THE PANEL SCHEDULES ARE BASED ON THE AVAILABLE AS-BUILT DRAWINGS AND CASUAL FIELD OBSERVATION AND ARE FOR REFERENCE ONLY. PROPOSED MODIFICATIONS TO THE EXISTING PANEL AND LOADS ARE INDICATED WITH FULL-TONE, BOLD TYPE FONT. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF RECORD OF DISCREPANCIES DISCOVERED FOR RESOLUTION.

Kimley Horn logo and contact information: 2019 KIMLEY-HORN AND ASSOCIATES, INC. 5370 KIETZKE LN., SUITE 100, RENO, NV 89511 PHONE: 775-787-7552 WWW.KIMLEY-HORN.COM

Circular professional seal for Dustin Colwell, Electrical Engineer, License No. 22254, State of Nevada, dated 12/31/20.

10/08/2020

ELECTRICAL PANEL SCHEDULES e602

CITY OF SPARKS CITY HALL City of Sparks, Nevada

431 Prater Way

Table with 3 columns: No., Description, Date

PERMIT SET 192079012 192079013 192079014 10/7/2020 10:56:37 PM

