

EAST FORK JUSTICE COURT REMODEL

CONSTRUCTION ISSUE

10/11/2019

PROJECT ADDRESS:

1625 WATER STREET

MINDEN, NV 89423



CLIENT:

DOUGLAS COUNTY

PROJECT MANAGER: SCOTT MCCULLOUGH

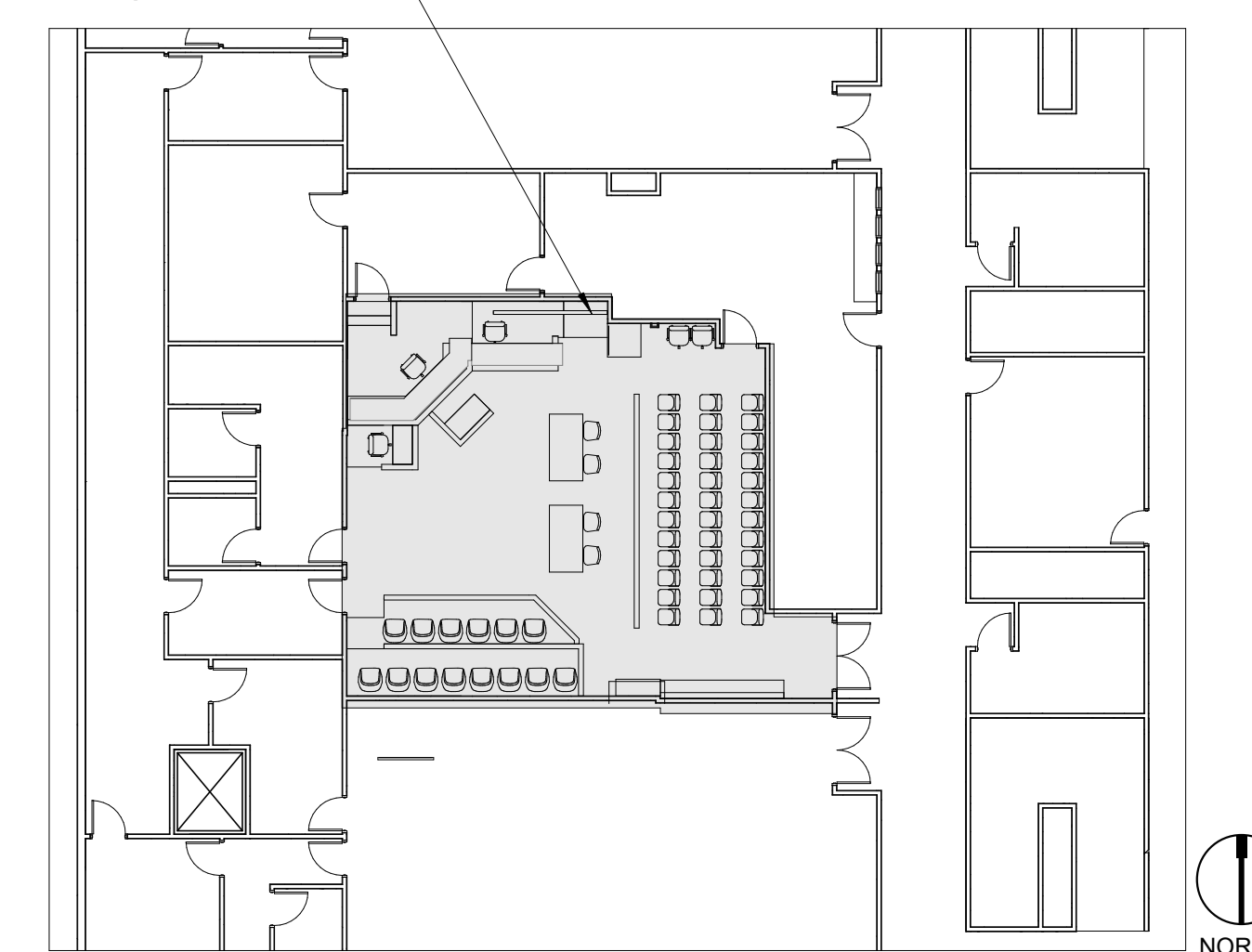
SMCCULLOUGH@DOUGLASNV.US

1327 WATERLOO LANE

GARDNERVILLE, NV 89410

(P) 775 790 5212

AREA OF
WORK



tsk

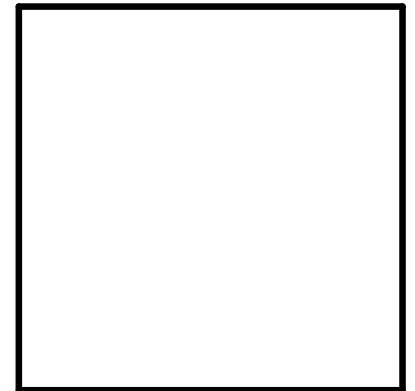
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DESIGN TEAM

ARCHITECT

TSK ARCHITECTS
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Project

**EAST FORK JUSTICE
COURT REMODEL**

1625 WATER STREET
MINDEN, NV 89423

Job No: 19-018.00

Owner

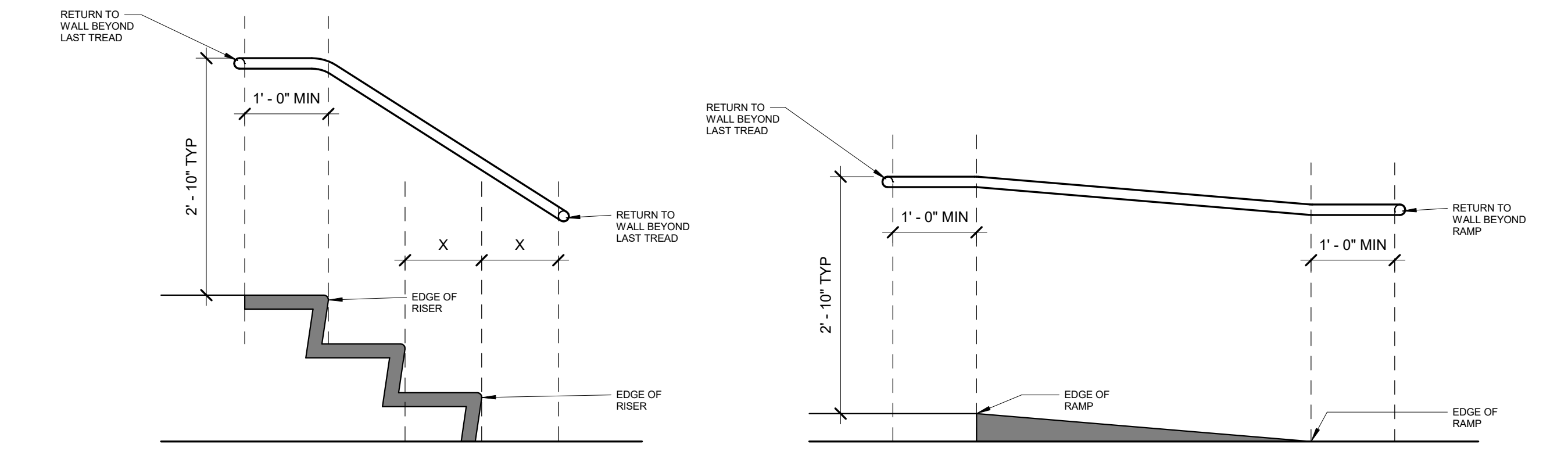
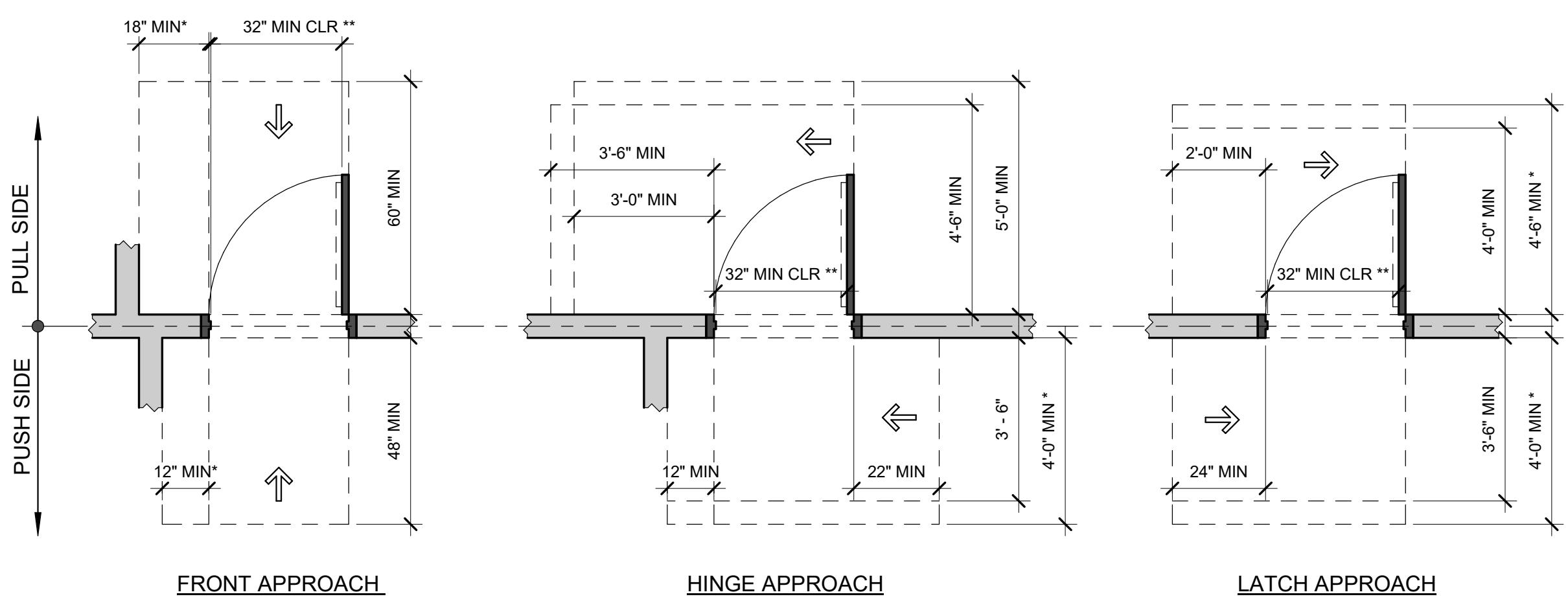
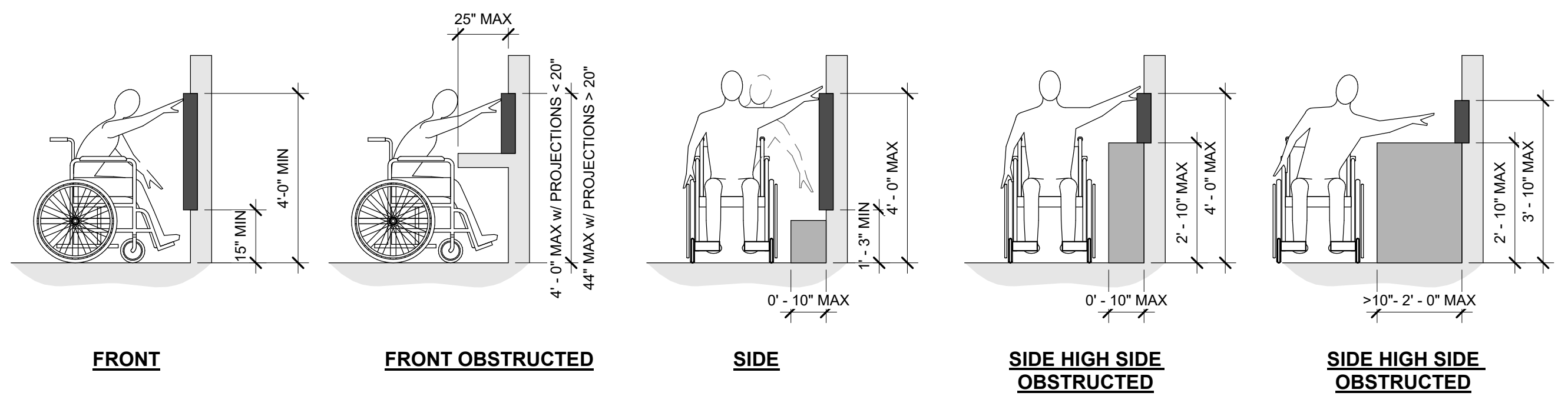
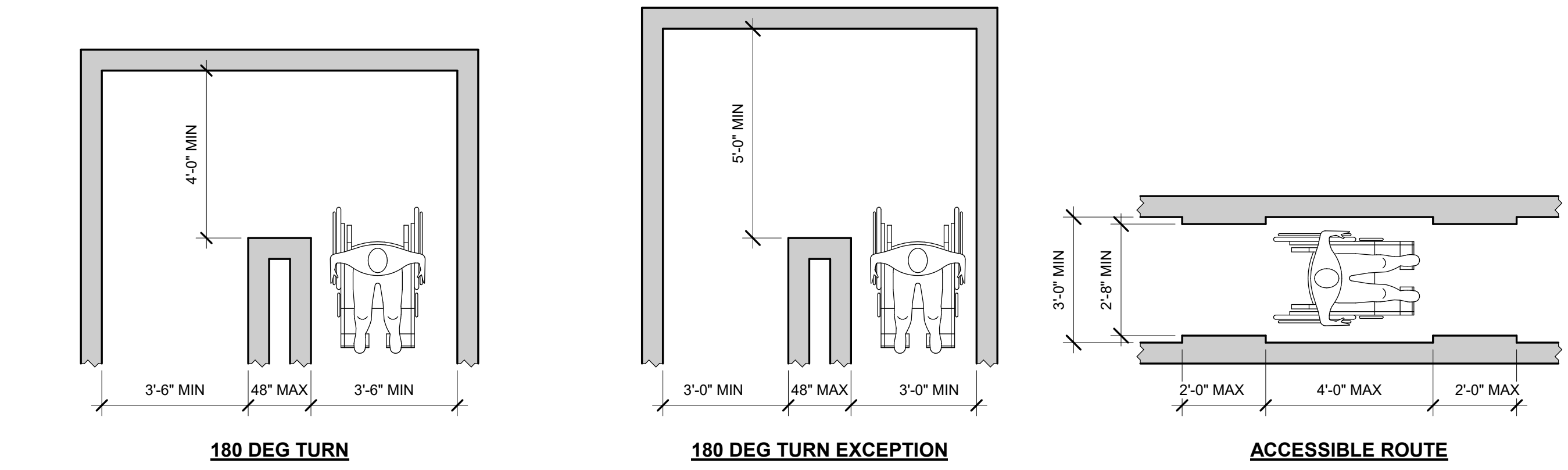
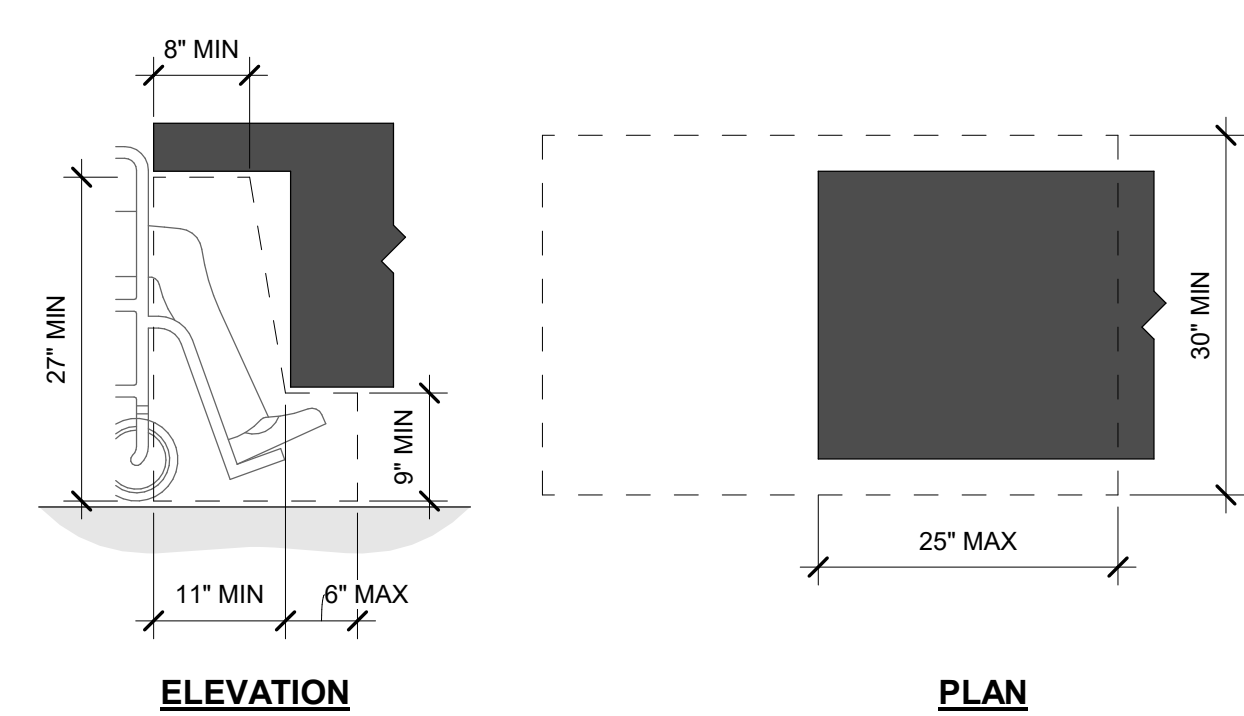
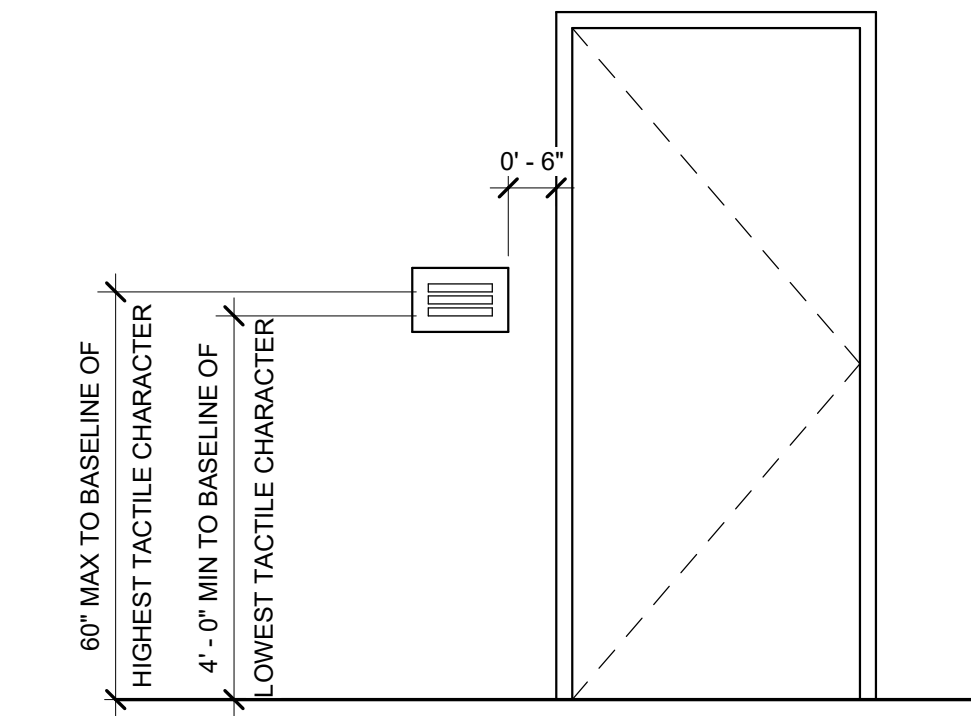
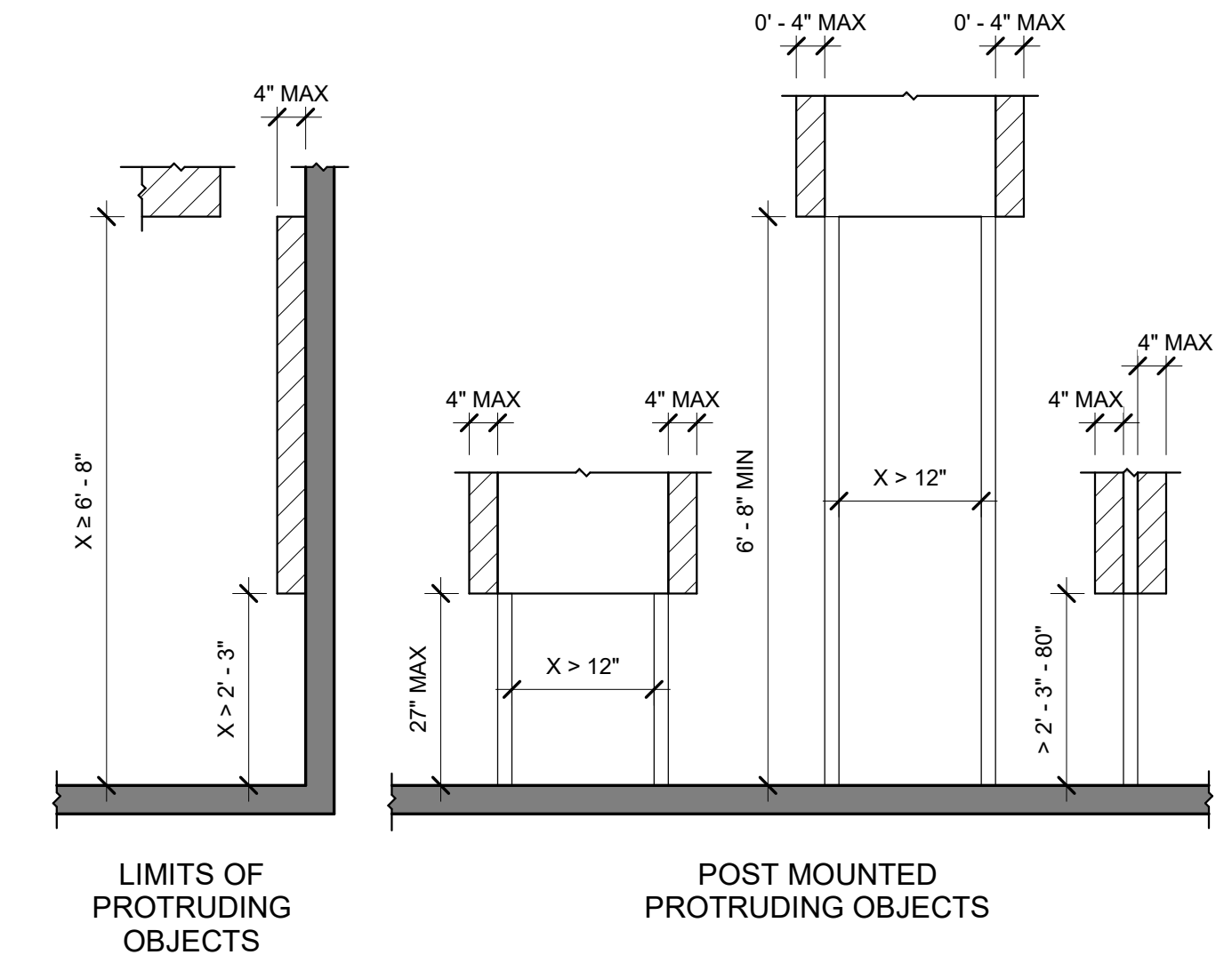
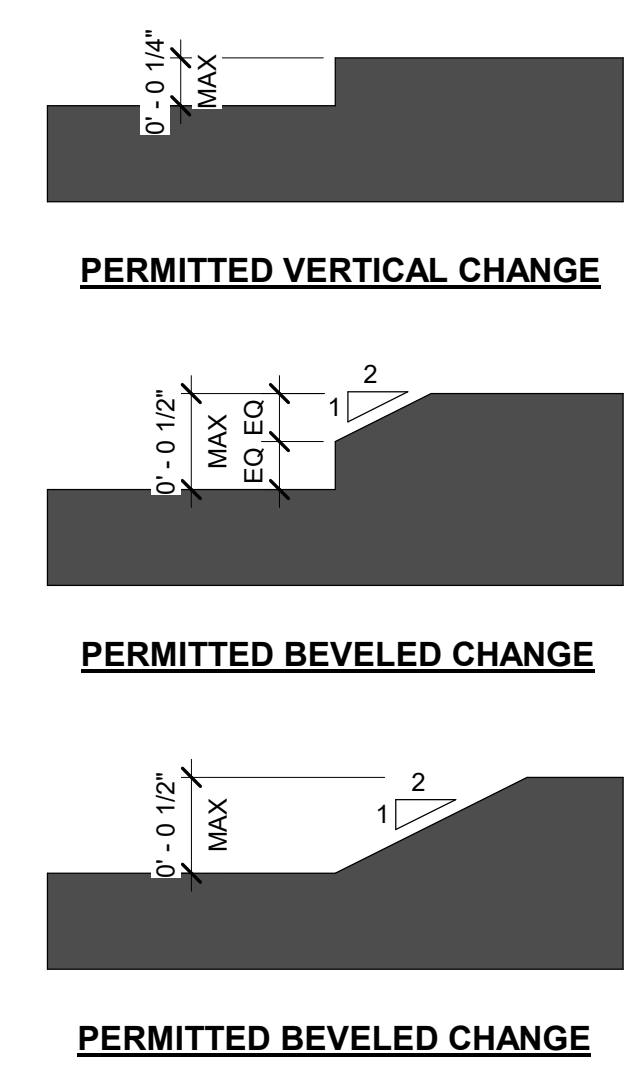
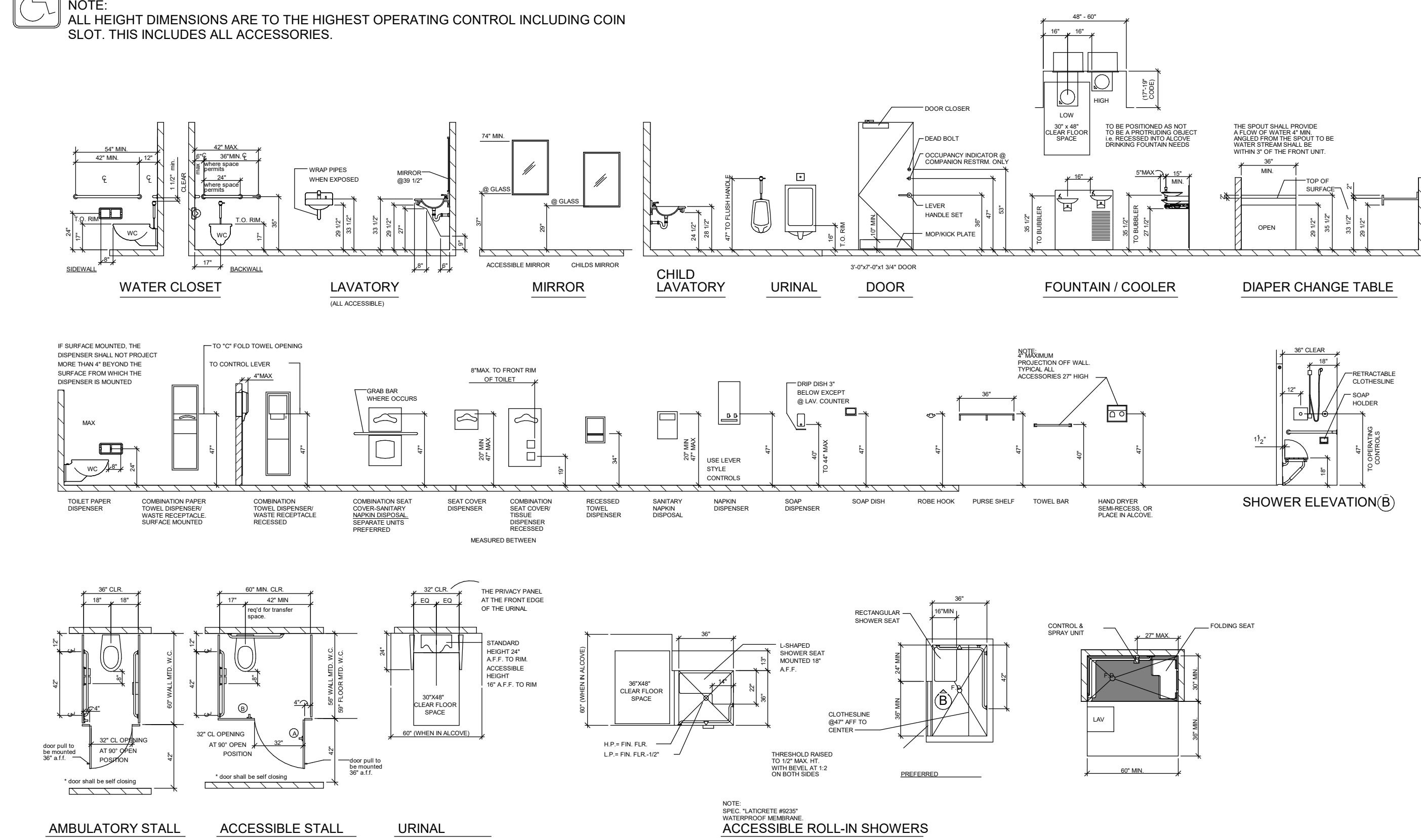
DOUGLAS COUNTY

**CONSTRUCTION
ISSUE**

10/11/2019

DESIGN CRITERIA FOR ACCESSIBLE RESTROOMS

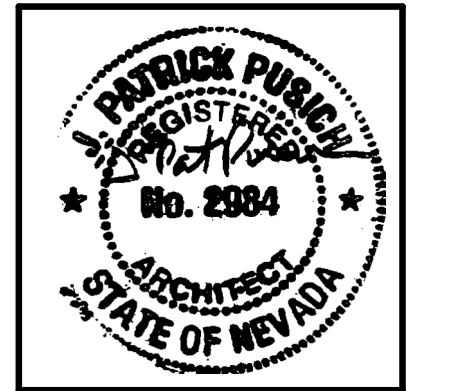
NOTE:
ALL HEIGHT DIMENSIONS ARE TO THE HIGHEST OPERATING CONTROL INCLUDING COIN SLOT. THIS INCLUDES ALL ACCESSORIES.



NOTES:
* IF BOTH LATCH AND CLOSER ARE PROVIDED
** CLEAR WIDTH SHALL COMPLY WITH LOCAL CODE AMENDMENT REQUIREMENTS



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EAST FORK JUSTICE COURT REMODEL

1625 WATER STREET
MINDEN, NV 89423

Job No: 19-018.00

Owner
DOUGLAS COUNTY

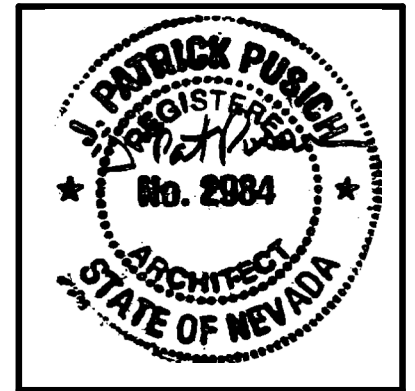
CONSTRUCTION ISSUE

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
GENERAL ACCESSIBILITY DETAILS

Date: 10/11/2019
Sheet No:

G1.00



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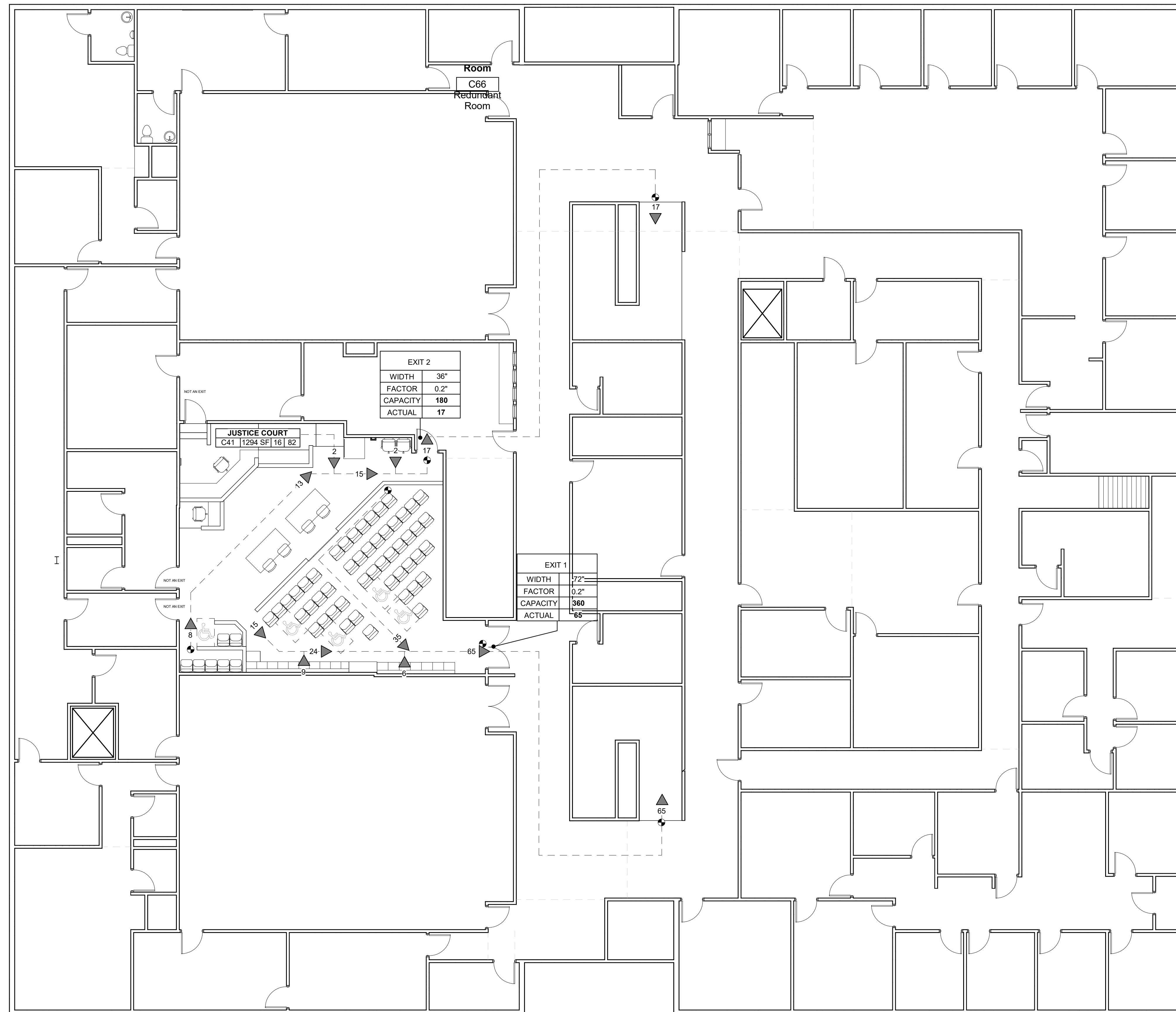
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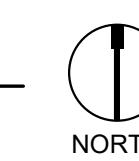
1625 WATER STREET
 MINDEN, NV 89423

Job No: 19-018.00

Owner
DOUGLAS COUNTY



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



LEGEND

EXISTING ILLUMINATED EXIT SIGN

CONSTRUCTION ISSUE

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
COURTROOM EGRESS PLAN

Date: 10/11/2019
 Sheet No:

G1.01

SECTION 01010

SUMMARY OF WORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 PROJECT DESCRIPTION

- A. Project to entail work as:

Within the Douglas County Judicial Law Enforcement Center, renovate the East Fork Justice Court. Existing spectator seating, court reporter desk and jury box including walls, raised floor and chairs to be demolished. Existing finish flooring, acoustic ceiling and grid including pull down projector, and wood paneling wall finish to be removed. Existing defendant and plaintiff desks to be removed during construction and relocated to run parallel with existing Judge's Bench at no more than two feet apart. New spectator seating to include ADA and companion seats as required and should also run parallel with existing Judge's Bench. New seating arrangement to have an aisle down the middle to allow for egress, and is separated from courtroom administration area by an operable man gate at the end of the aisle and a half wall that extends all the way to the east. Steel posts to anchor ends of the Bar wall. Existing bench seat along south wall to be extended beyond storage cabinet to the east to maximize public seating. On the west end of existing bench seating, a folding writing desk is to be installed for court reporter flexibility throughout the courtroom. New finish flooring to be carpet tile throughout. Finish ceiling to consist of a 15/6" grid and white tiles. New ceiling coffer to be parallel with existing Judge's Bench. Existing lights, mechanical louvers, sprinklers and speakers to be removed and protected during the course of work and relocated as necessary upon completion of new ceiling. New smaller jury box to be constructed similar to what was removed, fitting a total of 7 people with an ADA seat as necessary. New jury box seats should be bolted to the floor. Existing Judge's Bench to remain in place & will be reinforced with bullet resistant fiberglass paneling. Walls where wood paneling currently exists are to be primed and painted. Colors and finishes per finish schedule. See Electrical, Mechanical, and Fire Sprinkler Drawings for new systems work. See plans, details and specifications.

Mechanical engineer's scope of work consists of relocating mechanical louver and sprinklers in new ceiling.

Electrical engineer's scope of work consists of relocating light fixtures and speakers in new ceiling, locating fire protection, receptacles and video monitor power distribution.

- B. The project shall consist of all on site improvements, as shown on the Contract Documents.

1.3 CONTRACTOR USE OF PREMISES

- A. General: During the construction period, the Contractor shall have limited use of the Judicial Law Enforcement Center during for construction operations. The Judicial Law Enforcement Center will be occupied and operational during this time. Contractor will need to coordinate demolition activities with Facilities Services to avoid loud noises during teaching periods. Dust Control will be required.

1. Owner will occupy the majority of Judicial Law Enforcement Center building during the construction period. Contractor to coordinate all utility shutdowns with the site facilities manager.
2. Contractor to coordinate with Owner location of refuse containers, employee parking, use of existing restrooms, etc.. Keep driveways and entrances serving the premises clear and available to the Owner and the Owners employees at all times. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on site.

1.4 OWNER OCCUPANCY

- A. In accordance with the Contractor's Construction Schedule, Facility Director to accommodate deliveries. Contractor to inspect all deliveries for damage.

- B. If Owner furnished items are damaged, defective or missing, the Owner will arrange for replacement. The Owner will also arrange for manufacturer's field services, and the delivery of manufacturer's warranties and bonds to the Contractor.

- C. The Contractor is responsible for designating the delivery dates of Owner furnished items in the Contractor's Construction Schedule and for receiving, unloading and handling Owner furnished items at the site. The Contractor is responsible for protecting Owner furnished items from damage, including damage from exposure to the elements, and to repair or replace items damaged due to new work.

- D. Owner furnished and Contractor installed and connected equipment shall be as indicated in the Contract Documents.

END OF SECTION

SECTION 01 01 50

SCHEDULE OF DRAWINGS

Architectural:

0.0	Cover Sheet
G0.00	General Sheet
G1.00	General Accessibility Details
G1.01	Courtroom Egress Plan
A0.10	Project Specifications
A0.20	Project Specifications
A0.30	Project Specifications
A0.40	Project Specifications
A0.50	Project Specifications
AD1.00	Demo Floor Plan & RCP
A1.00	Floor Plan & RCP
A1.20	Finish Plan & Interior Elevations
A2.00	Schedules, Wall Types & Details

Mechanical:

FP2.01	Fire Protection Specifications, Demolition and New Floor Plans
M0.01	Mechanical Abbr., Legend, Calc., and Schedules
M2.01	Mechanical Demolition and New Floor Plans

Plumbing:

No Plumbing Sheets. No new plumbing work is proposed.

Electrical:

E1	Symbol List and Specifications
E2	Electrical Plans
E3	Lighting Plans

END OF SECTION

SECTION 01 03 05

MODIFICATION PROCEDURES

THIS SECTION USES THE TERM ARCHITECT. CHANGE THIS TERM AS NECESSARY TO MATCH THE ACTUAL TERM USED TO IDENTIFY THE DESIGN PROFESSIONAL AS DEFINED IN THE GENERAL AND SUPPLEMENTARY CONDITIONS.

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section specifies administrative and procedural requirements for handling and processing contract modifications.

- B. Related Sections: The following Sections contain requirements that relate to this Section:

1. Division 1 Section "Submittals" for requirements for the Contractor's Construction Schedule.
2. Division 1 Section "Applications for Payment" for administrative procedures governing Applications for Payment.
3. Division 1 Section "Product Substitutions" for administrative procedures for handling requests for substitutions made after award of the Contract.

1.3 MINOR CHANGES IN THE WORK

- A. The Architect will issue supplemental instructions authorizing minor changes in the Work, not involving adjustment to the Contract Sum or Contract Time, on AIA Form G710-2017, Architect's Supplemental Instructions.

1.4 CHANGE ORDER PROPOSAL REQUESTS

- A. Owner-Initiated Proposal Requests: The Architect will issue a detailed description of proposed changes in the Work that will require adjustment to the Contract Sum or Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications.

1. Proposal requests issued by the Architect are for information only. Do not consider them as an instruction either to stop work in progress or to execute the proposed change. Within 5 working days of receipt of a proposal request, submit an estimate of cost necessary to execute the change to the Architect for the Owner's review.

- a. Include a list of quantities of products required and unit costs, with the total amount of purchases to be made. Where requested, furnish survey data to substantiate quantities. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts. Include a statement indicating the effect the proposed change in the Work will have on the Contract Time.
- b. Include all subcontractor and contractor overhead and profit. Specify the percent of overhead and the percent of profit.

- B. Contractor-Initiated Proposals: When latent or unforeseen conditions require modifications to the Contract, the Contractor may propose changes by submitting a request for a change to the Architect.

1. Include a statement outlining the reasons for the change and the effect of the change on the Work. Provide a complete description of the proposed change. Indicate the effect of the proposed change on the Contract Sum and Contract Time.
2. Include a list of quantities of products required and unit costs, with the total amount of purchases to be made. Where requested, furnish survey data to substantiate quantities.
3. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
4. Include a list of all associated cost that would be incurred, including subcontractor and contractor overhead and profit.

- C. The Contractor shall prepare his response in accordance with the requirements set forth in the General Conditions.

1.5 CONSTRUCTION CHANGE DIRECTIVE

- A. Construction Change Directive: When the Owner and the Contractor disagree on the terms of a Proposal Request, the Architect may issue a Construction Change Directive on AIA Form G714-2018. The Construction Change Directive instructs the Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.

1. The Construction Change Directive contains a complete description of the change in the Work. It also designates the method to be followed to determine change in the Contract Sum or Contract Time.

- B. Documentation: Maintain detailed records on a time and material basis of work required by the Construction Change Directive.

1. After completion of the change, submit an itemized account and supporting data necessary to substantiate cost and time adjustments to the Contract.

1.6 CHANGE ORDER PROCEDURES

- A. Upon the Owner's approval of a Proposal Request, the Architect will issue a Change Order for signatures of the Owner and the Contractor on AIA Form G701-2017.

END OF SECTION

SECTION 01 04 00

COORDINATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes administrative and supervisory requirements necessary for coordinating construction operations including, but not necessarily limited to, the following:

1. General project coordination procedures.
2. Conservation
3. Coordination Drawings
4. Administrative and supervisory personnel.
5. Cleaning and protection.

- B. Related Sections: The following Sections contain requirements that relate to this Section:

1. Division 1 Section "Field Engineering" specifies procedures for field engineering services, including establishment of benchmarks and control points.
2. Division 1 Section "Project Meetings" for progress meetings, coordination meetings, and preinstallation conferences.
3. Division 1 Section "Submittals" for preparing and submitting the Contractor's Construction Schedule.
4. Division 1 Section "Materials and Equipment" for coordinating general installation.
5. Division 1 Section "Contract Closeout" for coordinating contract closeout.

1.3 COORDINATION

- A. Coordinate construction operations included in various Sections of these Specifications to assure efficient and orderly installation of each part of the Work. Coordinate construction operations included under different Sections that depend on each other for proper installation, connection, and operation.

1. Schedule construction operations in the sequence required to obtain the best results where installation of one part of the Work depends on installation of other components, before or after its own installation. Coordinate installation of different components to assure maximum accessibility for required maintenance, service, and repair.
2. Make provisions to accommodate items scheduled for later installation.

- B. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and assure orderly progress of the Work. Such administrative activities include, but are not limited to, the following:

1. Preparation of schedules.
2. Installation and removal of temporary facilities.
3. Delivery and processing of submittals.
4. Progress meetings.
5. Project closeout activities.

- D. Dimensions: Any dimensions discrepancies between the Architectural, Mechanical and Electrical drawings shall be reported to the Owner's Representative and Architect before proceeding with the work.

- G. Intent of Drawings:

1. The work of the Contractor and subcontractor shall conform to the intent of the architectural and coordination drawings as reviewed by the Architect. Drawings are partly diagrammatic and do not intend to show in details all features of work. The Contractor shall carefully review the work to be performed by other trades, compare related drawings and shall thoroughly understand the building conditions affecting their work.
2. All changes required in the work caused by failure to do so shall be at no expense to the Owner.

H. Interfaces and Right-of-Way:

1. Make proper provisions to avoid interfaces.
2. Where conflicts occur, architectural has right-of-way over mechanical and electrical work; concealed mechanical work has right-of-way over concealed electrical work; exposed electrical fixtures have right-of-way over mechanical fixtures.
3. Submit conflicts which cannot be resolved by right-of-way to the Owner for direction.

1.4 SUBMITTALS

- A. Coordination Drawings: Prepare coordination drawings where careful coordination is needed for installation of products and materials fabricated by separate entities. Prepare coordination drawings where limited space availability necessitates maximum utilization of space of efficient installation of different components.

1. Show the relationship of components shown on separate Shop Drawings.
2. Indicate required installation sequences.
3. Comply with requirements contained in Section "Submittals".

- B. Staff Names: Within 15 days of commencement of construction operations, submit a list of the Contractor's principal staff assignments, including the superintendent and other personnel in attendance at the Project Site. Identify individuals and their duties and responsibilities. List their addresses and telephone numbers.

1. Post copies of the list in the Project meeting room, the temporary field office, and each temporary telephone.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.1 GENERAL COORDINATION PROVISIONS

- A. Inspection of Conditions: Require the Installer of each major component to inspect both the substrate and conditions under which Work is to be preformed. Do not proceed until unsatisfactory conditions have been corrected in an acceptable manner.

- B. Coordinate temporary enclosures with required inspections and tests to minimize the necessity of uncovering completed construction for that purpose.

3.2 CLEANING AND PROTECTION

- A. Clean and protect construction in progress and adjoining materials in place, during handling and installation. Apply protective covering where required to assure protection from damage or deterioration at Substantial Completion.

- B. Clean and provide maintenance on completed construction as frequently as necessary through the remainder of the construction period. Adjust and lubricate operable components to assure operability without damaging effects.

- C. Limiting Exposures: Supervise construction operations to assure that no part of the construction completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during the construction period. Where applicable, such exposures include, but are not limited to, the following:

1. Excessive static or dynamic loading.
2. Excessive internal or external pressures.
3. Excessively high or low temperatures.
4. Thermal shock.
5. Excessively high or low humidity.
6. Air contamination or pollution.
7. Water or ice.
8. Solvents.
9. Chemicals.
10. Light.
11. Radiation.
12. Puncture.
13. Abrasion.
14. Heavy traffic.
15. Soiling, staining, and corrosion.
16. Bacteria.
17. Rodent and insect infestation.
18. Combustion
19. Electrical current.
20. High-speed operation
21. Improper lubrication.
22. Unusual wear or other misuse.
23. Contact between incompatible materials.
24. Destructive testing.
25. Misalignment.
26. Excessive weathering.
27. Unprotected storage.
28. Improper shipping or handling.
29. Theft.
30. Vandalism.

END OF SECTION

SECTION 01 20 00

PROJECT MEETINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for project meetings including but not limited to the following:

1. Preconstruction Conference.
2. Preinstallation Conferences.
3. Coordination Meetings.
4. Progress Meetings.

- B. Construction Schedules are specified in another Division 1 Section.

1.3 PRECONSTRUCTION CONFERENCE

- A. Schedule a preconstruction conference and organizational meeting at the Project site or other convenient location no later than 15 days after execution of the Agreement and prior to commencement of construction activities. Conduct the meeting to review responsibilities and personnel assignments.

- B. Attendees: The owner, architect, and their consultants, the contractor and its superintendent, major subcontractors, manufacturers, suppliers and other concerned parties shall each be represented at the conference by persons familiar with and authorized to conclude matters relating to the work.

- C. Agenda: Discuss items of significance that could affect progress including such topics as:

1. Tentative construction schedule.
2. Critical work sequencing.
3. Designation of responsible personnel.
4. Procedures for processing field decisions and change orders.
5. Procedures for processing Application for Payment.
6. Submittal of shop drawings, product data and samples.
7. Preparation of record documents.
8. Use of the premises.
9. Office, work and storage areas.
10. Equipment deliveries and priorities.
11. Security.
12. Housekeeping.
13. Working hours.

1.4 PROGRESS MEETINGS

- A. Conduct progress meetings at the Project site at regularly scheduled intervals. Notify the owner and architect of scheduled meeting dates. Coordinate dates of meetings with preparation of the payment request.

- B. Attendees: In addition to representatives of the owner and architect, each subcontractor, supplier or other entity concerned with current progress or involved in planning, coordination or performance of future shall be represented at these meetings by persons familiar with the Project and authorized to conclude matters relating to progress.

- C. Agenda: Review and correct or approve minutes of the previous progress meeting. Review other items of significance that could affect progress. Include topics for discussion as appropriate to the current status of the Project.

1. Contractor's Construction Schedule: Review progress since the last meeting. Determine where each activity is in relation to the Contractor's Construction Schedule, whether on time or ahead or behind schedule. Determine how construction behind schedule will be expedited; secure commitments from parties involved to do so. Discuss whether schedule revisions are required to ensure that current and subsequent activities will be completed within the Contract Time.
2. Review the present and future needs of each entity present, including such items as:

- a. Interface requirements.
- b. Time.
- c. Sequence.
- d. Deliveries.
- e. Off-site fabrication problems.
- f. Access.
- g. Site utilization.
- h. Temporary facilities.
- i. Hours of work.
- j. Hazards of work.
- k. Housekeeping.
- l. Quality and work standards.
- m. Change Orders.
- n. Documentation of information for payment requests.

- D. Reporting: No later than three days after each progress meeting date, distribute copies of minutes of the meeting to each party present and to other parties who should have been present. Include a brief summary, in narrative form, of progress since the previous meeting and report.

1. Schedule Updating: Revise the construction schedule after each progress meeting where revisions to the schedule have been made or recognized. Issue the revised schedule concurrently with the report of each meeting.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION

SECTION 01 30 00

SUBMITTALS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for submittals required for performance of the Work, including the following:

1. Submittal schedule.
2. Daily construction reports.
3. Shop Drawings.
4. Product Data.
5. Samples.
6. Quality assurance submittals.
7. Record Drawings
8. Record Specifications

- B. Administrative Submittals: Refer to other Division 1 Sections and other Contract Documents for requirements for administrative submittals. Such submittals include, but are not limited to, the following:

1. Permits.
2. Applications for Payment.
3. Performance and payment bonds.
4. Insurance certificates.
5. List of subcontractors.

1.3 SUBMITTAL PROCEDURES

- A. Coordination: Coordinate preparation and processing of submittals with performance of construction activities. Transmit each submittal sufficiently in advance of performance of related construction activities to avoid delay.

1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.

2. Processing: To avoid the need to delay installation as a result of the time required to process submittals, allow sufficient time for submittal review, including time for resubmittals.

- a. Allow 2 weeks for initial review. Allow additional time if the Architect must delay processing to permit coordination with subsequent submittals.
- b. If an intermediate submittal is necessary, process the same as the initial submittal.
- c. Allow 2 weeks for reprocessing each submittal.
- d. No extension of Contract Time, Overhead, or Profit will be authorized because of failure to transmit submittals to the Architect sufficiently in advance of the Work to permit processing.
- e. Allow 4 weeks for initial review of any submittal requiring review by authority having jurisdiction. A listing of these known submittals is indicated on the Contract Drawings, but this is not necessarily exhaustive.

- B. Submittal Preparation: Place a permanent label or title block on each submittal for identification. Indicate the name of the entity that prepared each submittal on the label or title block.

1.5 SUBMITTAL SCHEDULE

- A. After development and acceptance of the Contractor's Construction Schedule, prepare a complete schedule of submittals. Submit the schedule within 10 days of the date required for submittal of the Contractor's Construction Schedule.

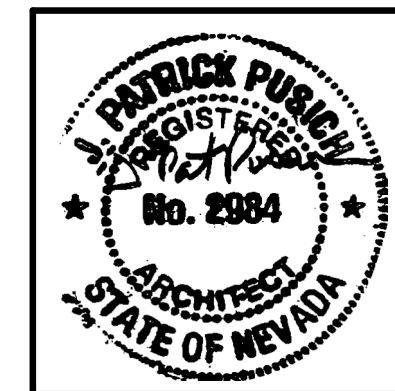
1. Coordinate Submittal Schedule with the list of subcontracts, Schedule of Values, and the list of products as well as the Contractor's Construction Schedule.
2. Prepare the schedule in chronological order.

1.7 SHOP DRAWINGS

- A. Submit newly prepared information drawn accurately to scale. Highlight, encircle, or otherwise indicate deviations from the Contract Documents. Do not reproduce Contract Documents or copy standard information as the basis of Shop Drawings. Standard information prepared without specific reference to the Project is not a Shop Drawing.

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EAST FORK JUSTICE COURT REMODEL

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Job No: 19-018.00

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DOUGLAS COUNTY

CONSTRUCTION ISSUE

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

PROJECT SPECIFICATIONS

Date: 10/11/2019

Sheet No:

A0.10

1.8 PRODUCT DATA

A. Collect Product Data into a single submittal for each element of construction or system. Product Data includes printed information, such as manufacturer's installation instructions, catalog cuts, standard color charts, roughing-in diagrams and templates, standard wiring diagrams, and performance curves.

- Mark each copy to show applicable choices and options. Where printed Product Data includes information on several products that are not required, mark copies to indicate the applicable information. Include the following information:
 - Manufacturer's printed recommendations.
 - Compliance with trade association standards.
 - Compliance with recognized testing agency standards.
 - Application of testing agency labels and seals.
 - Notation of dimensions verified by field measurement.
 - Notation of coordination requirements.
- Do not submit Product Data until compliance with requirements of the Contract Documents has been confirmed.
- Submittals: Submit 3 copies of each required submittal; submit 4 copies where required for maintenance manuals. The Architect will retain one and will return onemarked with action taken and corrections or modifications required. One copy with review comments will be supplied to the Owner.
 - Unless noncompliance with Contract Document provisions is observed, the submittal may serve as the final submittal.

1.9 ARCHITECT'S ACTION

A. Except for submittals for the record or information, where action and return is required, the Architect will review each submittal, mark to indicate action taken, and return promptly.

- Compliance with specified characteristics is the Contractor's responsibility.

B. Action Stamp: The Architect will stamp each submittal with a uniform, action stamp. The Architect will mark the stamp appropriately to indicate the action taken.

- Final Unrestricted Release: When the Architect marks a submittal "No Exceptions Taken," the Work covered by the submittal may proceed provided it complies with requirements of the Contract Documents.
- Final-But-Restricted Release: When the Architect marks a submittal "Implement Exception Noted," the Work covered by the submittal may proceed provided it complies with notations or corrections on the submittal and requirements of the Contract Documents.
- Returned for Resubmittal: When the Architect marks a submittal "Not Approved, Revise and Resubmit," do not proceed with Work covered by the submittal, including purchasing, fabrication, delivery, or other activity. Revise or prepare a new submittal according to the notations; resubmit without delay. Repeat if necessary to obtain different action mark.
 - Do not use, or allow others to use, submittals marked "Not Approved, Revise and Resubmit" at the Project Site or elsewhere where Work is in progress.
 - When the submittal review-action stamp is marked "Rejected", do not proceed with that portion of the Work covered by the submittal including, but not limited to, purchasing, fabrication, delivery, or other activity. Make a new submittal in accordance with the review notations on the submittal and resubmit without delay in the same manner and number as for the original submittal. Resubmit as often as necessary.
- Other Action: Where a submittal is for information or record purposes or special processing or other activity, the Architect will return the submittal marked "Action Not Required."

C. Unsolicited Submittals: The Architect will return unsolicited submittals to the sender without action.

END OF SECTION

SECTION 01 63 01

SUBSTITUTIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes administrative and procedural requirements for handling requests for substitutions made after award of the Contract.

B. Related Sections: The following Sections contain requirements that relate to this Section:

- Division 1 Section "References" specifies the applicability of industry standards to products specified.
- Division 1 Section "Submittals" specifies requirements for submitting the Contractor's Construction Schedule and the Submittal Schedule.

1.3 DEFINITIONS

A. Definitions in this Article do not change or modify the meaning of other terms used in the Contract Documents.

B. Substitutions: Changes in products, materials, equipment, and methods of construction required by the Contract Documents proposed by the Contractor after award of the Contract are considered to be requests for substitutions. The following are not considered to be requests for substitutions:

- Substitutions requested during the bidding period, and accepted by Addendum prior to award of the Contract, are included in the Contract Documents and are not subject to requirements specified in this Section for substitutions.
- Revisions to the Contract Documents requested by the Owner or Architect.
- Specified options of products and construction methods included in the Contract Documents.

1.4 SUBMITTALS

A. Substitution Request Submittal: The Architect will consider requests for substitution if received within 60 days after commencement of the Work. Requests received more than 60 days after commencement of the Work may be considered or rejected at the discretion of the Architect.

- Submit 3 copies of each request for substitution for consideration. Submit requests in the form and according to the schedule required for change-order proposals.
- Provide complete documentation showing compliance with the requirements for substitutions, and the following information, as appropriate:
 - Coordination information, including a list of changes or modifications needed to other parts of the Work and to construction performed by the Owner and separate contractors, that will be necessary to accommodate the proposed substitution.
 - A detailed comparison of significant qualities of the proposed substitution with those of the Work specified. Significant qualities may include elements, such as performance, weight, size, durability, and visual effect.
 - Product Data, including Drawings and descriptions of products and fabrication and installation procedures.
 - Samples, where applicable or requested.
 - A statement indicating the substitution's effect on the Contractor's Construction Schedule compared to the schedule without approval of the substitution. Indicate the effect of the proposed substitution on overall Contract Time.
 - Cost information, including a proposal of the net change, if any in the Contract Sum.
 - The Contractor's certification that the proposed substitution conforms to requirements in the Contract Documents in every respect and is appropriate for the applications indicated.
 - The Contractor's waiver of rights to additional payment or time that may subsequently become necessary because of the failure of the substitution to perform adequately.
- Architect's Action: If necessary, the Architect will request additional information or documentation for evaluation within one week of receipt of a request for substitution. The Architect will notify the Contractor of acceptance or rejection of the substitution within 2 weeks of receipt of the request, or one week of receipt of additional information or documentation, whichever is later. Acceptance will be in the form of a change order.

PART 2 - PRODUCTS

2.1 SUBSTITUTIONS

A. Conditions: The Architect will receive and consider the Contractor's request for substitution when one or more of the following conditions are satisfied, as determined by the Architect. If the following conditions are not satisfied, the Architect will return the requests without action except to record noncompliance with these requirements.

- Extensive revisions to the Contract Documents are not required.
- Proposed changes are in keeping with the general intent of the Contract Documents.
- The request is timely, fully documented, and properly submitted.
- The specified product or method of construction cannot be provided within the Contract Time. The Architect will not consider the request if the product or method cannot be provided as a result of failure to pursue the Work promptly or coordinate activities properly.
- The request is directly related to an "or-equal" clause or similar language in the Contract Documents.
- The requested substitution offers the Owner a substantial advantage, in cost, time, energy conservation, or other considerations, after deducting additional responsibilities the Owner must assume. The Owner's additional responsibilities may include compensation to the Architect for redesign and evaluation services, increased cost of other construction by the Owner, and similar considerations.
- The specified product or method of construction cannot provide a warranty required by the Contract Documents and where the Contractor certifies that the proposed substitution provides the required warranty.

B. The Contractor's submittal and the Architect's acceptance of Shop Drawings, Product Data, or Samples for construction activities not complying with the Contract Documents do not constitute an acceptable or valid request for substitution, nor do they constitute approval.

PART 3 - EXECUTION (Not Applicable)

END OF SECTION

SECTION 01 70 00

CONTRACT CLOSEOUT

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes administrative and procedural requirements for contract closeout including, but not limited to, the following:

- Inspection procedures.
- Project record document submittal.
- Operation and maintenance manual submittal.
- Submittal of warranties.
- Final cleaning.

B. Closeout requirements for specific construction activities are included in the appropriate Sections in Divisions 2 through 31.

1.3 SUBSTANTIAL COMPLETION

A. Preliminary Procedures: Before requesting inspection for certification of Substantial Completion, complete the following. List exceptions in the request.

- In the Application for Payment that coincides with, or first follows, the date Substantial Completion is claimed, show 100 percent completion for the portion of the Work claimed as substantially complete.
 - Include supporting documentation for completion as indicated in these Contract Documents and a statement showing an accounting of changes to the Contract Sum.
 - If 100 percent completion cannot be shown, include a list of incomplete items, the value of incomplete construction, and reasons the Work is not complete.
- Advise the Owner of pending insurance changeover requirements.
- Submit specific warranties, workmanship bonds, maintenance agreements, final certifications, and similar documents.
- Obtain and submit releases enabling the Owner unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
- Submit record drawings, maintenance manuals, final project photographs, damage or settlement surveys, property surveys, and similar final record information.
- Deliver tools, spare parts, extra stock, and similar items.
- Make final changeover of permanent locks and transmit keys to the Owner. Advise the Owner's personnel of changeover in security provisions.
- Complete startup testing of systems and instruction of the Owner's operation and maintenance personnel. Discontinue and remove temporary facilities from the site, along with mockups, construction tools, and similar elements.
- Complete final cleanup requirements, including touchup painting.
- Touch up and otherwise repair and restore marred, exposed finishes.

B. Inspection Procedures: On receipt of a request for inspection, the Architect will either proceed with inspection or advise the Contractor of unfiled requirements. The Architect will prepare the Certificate of Substantial Completion following inspection or advise the Contractor of construction that must be completed or corrected before the certificate will be issued.

- The Architect will repeat inspection when requested and assured that the Work is substantially complete.
- Results of the completed inspection will form the basis of requirements for final acceptance.

1.4 FINAL ACCEPTANCE

A. Preliminary Procedures: Before requesting final inspection for certification of final acceptance and final payment, complete the following. List exceptions in the request.

- Submit the final payment request with releases and supporting documentation not previously submitted and accepted. Include insurance certificates for products and completed operations where required.
- Submit an updated final statement, accounting for final additional changes to the Contract Sum.
- Submit a certified copy of the Architect's final inspection list of items to be completed or corrected, enclosed and dated by the Architect. The certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance and shall be endorsed and dated by the Architect.
- Submit consent of surety to final payment.
- Submit a final liquidated damages settlement statement.
- Submit evidence of final, continuing insurance coverage complying with insurance requirements.
- Submit final meter readings for utilities a measured record of stored fuel, and similar data as of the date of Substantial Completion or when the Owner took possession of and assumed responsibility for corresponding elements of the work.

B. Reinspection Procedure: The Architect will reinspect the Work upon receipt of notice that the Work, including inspection list items from earlier inspections, has been completed, except for items whose completion is delayed under circumstances acceptable to the Architect.

- Upon completion of reinspection, the Architect will prepare a certificate of final acceptance. If the Work is incomplete, the Architect will advise the Contractor of Work that is incomplete or of obligations that have not been fulfilled but are required for final acceptance.
- If necessary, reinspection will be repeated.
- The Cost for any Architectural services for reinspection is the contractor's sole responsibility.

1.5 RECORD DOCUMENT SUBMITTALS

A. General: Do not use record documents for construction purposes. Protect record documents from deterioration and loss in a secure, fire-resistant location. Provide access to record documents for the Architect's reference during normal working hours.

B. Record Drawings: Maintain a clean, undamaged set black line white-prints of Contract Drawings and Shop Drawings. Mark the set to show the actual installation where the installation varies from the Work as originally shown. Mark which drawing is most capable of showing conditions fully and accurately. Where Shop Drawings are used, record a cross-reference at the corresponding location on the Contract Drawings. Give particular attention to concealed elements that would be difficult to measure and record at a later date. At the conclusion of the project, this record set of prints shall be submitted to the architect for his review and comment. If the record set of prints is found to be complete and accurate, the prints shall be returned to the Contractor, and the Contractor shall then transcribe those change and revisions onto a CAD drawings. The changes and revisions shall be transcribed onto digital files by competent draftsman skilled in CAD drafting.

Record drawings & specifications must be reviewed and approved prior to each pay request by the Owners representative. The drawings should reflect the work that has been accomplished during the time period of the pay request. Lack of Record Drawings approval at a pay request will result in delay in pay request.

- Mark record sets with red erasable pencil. Use other colors to distinguish between variations in separate categories of the Work.
- Mark new information that is important to the Owner but was not shown on Contract Drawings or Shop Drawings.
- Note related change-order numbers where applicable.
- Organize record drawing sheets into manageable sets. Bind sets with durable-paper cover sheets; print suitable titles, dates, and other identification on the cover of each set.
- Provide record drawings using electronic media, Auto Cadd compatible. Original media will be provided for Contractor to make required Record Drawing Notations.

C. Record Product Data: Maintain one copy of each Product Data submittal. Note related Change Orders and markup of record drawings and Specifications.

- Mark these documents to show significant variations in actual Work performed in comparison with information submitted. Include variations in products delivered to the site and from the manufacturer's installation instructions and recommendations.
- Give particular attention to concealed products and portions of the Work that cannot otherwise be readily discerned later by direct observation.
- Upon completion of markup, submit complete set of record Product Data to the Architect for the Owner's records.

D. Maintenance Manuals: Organize operation and maintenance data into suitable sets of manageable size. Bind properly indexed data in individual, heavy-duty, 2-inch, 3-ring, vinyl-covered binders, with pocket folders for folded sheet information. Mark appropriate identification on front and spine of each binder.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.1 CLOSEOUT PROCEDURES

A. Operation and Maintenance Instructions: Arrange for each installer of equipment that requires regular maintenance to meet with the Owner's personnel to provide instruction in proper operation and maintenance. Provide instruction by manufacturer's representatives if installers are not experienced in operation and maintenance procedures.

3.2 FINAL CLEANING

A. General: The General Conditions require general cleaning during construction. Regular site cleaning is included in Division 1 Section "Construction Facilities and Temporary Controls."

B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to the condition expected in a normal, commercial building cleaning and maintenance program. Comply with manufacturer's instructions.

- Complete the following cleaning operations before requesting inspection for certification of Substantial Completion.
 - Remove labels that are not permanent labels.
 - Clean transparent materials, including mirrors and glass in doors and windows. Remove glazing compounds and other substances that are noticeable vision-obscuring materials. Replace chipped or broken glass and other damaged transparent materials.
 - Clean exposed exterior and interior hard-surfaced finishes to a dust-free condition, free of stains, films, and similar foreign substances. Restore reflective surfaces to their original condition. Leave concrete floors broom clean. Vacuum carpeted surfaces.
 - Wipe surfaces of mechanical and electrical equipment. Remove excess lubrication and other substances. Clean plumbing fixtures to a sanitary condition. Clean light fixtures and lamps.
 - Clean the site, including landscape development areas, of rubbish, litter, and other foreign substances. Sweep paved areas broom clean; remove stains, spills, and other foreign deposits. Rake grounds that are neither paved nor planted to a smooth, even-textured surface.

C. Removal of Protection: Remove temporary protection and facilities installed for protection of the Work during construction.

D. Compliance: Comply with regulations of authorities having jurisdiction and safety standards for cleaning. Do not burn waste materials. Do not bury debris or excess materials on the Owner's property. Do not discharge volatile, harmful, or dangerous materials into drainage systems. Remove waste materials from the site and dispose of lawfully.

1. Where extra materials of value remain after completion of assigned Work, they become the Owner's property. Dispose of these materials as directed by the Owner.

SECTION 02 00 06

SELECTIVE BUILDING DEMOLITION

PART 1 - GENERAL

1.1 SECTION INCLUDES

- Selective demolition of interior construction to accept new construction.
- Removal of designated millwork, bar, chairs/seating, flooring, ceilings/lighting, supply & return grills where noted on drawings. Carefully remove existing ceiling tiles and light fixtures and store safely until ceilings are ready to accept. Coordinate with the County prior to any demolition to confirm the absence or presence of hazardous materials.

1.2 DEFINITIONS

- Remove: Remove and legally dispose of items except those indicated to be reinstalled, salvaged, or to remain the property of County.
- Salvage: Remove items indicated; clean, service, and otherwise prepare items indicated for reinstallation; store and protect against damage. Reinstall items in the same locations or in locations indicated. Existing to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by the Architect, items may be removed to a suitable, protected storage location during demolition and then cleaned and reinstalled in the original locations.

1.3 MATERIALS OWNERSHIP

A. Except for items or materials indicated to be reused, salvaged, reinstalled or otherwise indicated to remain the property of the University, demolished materials shall become the Contractor's property and shall be removed from the site with further disposition at the Contractor's option.

1.4 SCHEDULING

A. Schedule demolition work to coincide with new construction. Schedule work to minimize disruption of access to and activities within the adjacent facilities. Demolition schedule shall be approved by Using Agency prior to start of any demolition work.

END OF SECTION

SECTION 02 00 06

PART 1 - GENERAL

1.1 SECTION INCLUDES

- Selective demolition of interior construction to accept new construction.
- Removal of designated millwork, bar, chairs/seating, flooring, ceilings/lighting, supply & return grills where noted on drawings. Carefully remove existing ceiling tiles and light fixtures and store safely until ceilings are ready to accept. Coordinate with the County prior to any demolition to confirm the absence or presence of hazardous materials.

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PART 2 - PRODUCTS

2.1 REPAIR MATERIALS

A. Where repairs are required due to damage during demolition, use repair materials matching existing materials. Where matching materials are unavailable or cannot be used for exposed surfaces, use approved materials that visually match existing, adjacent surfaces to the fullest extent possible. Use materials whose installed performance equals or surpasses that of existing materials.

PART 3 - EXECUTION

3.1 PREPARATION

- Protect existing materials and equipment, which are not to be demolished. Provide, erect, and maintain temporary barriers and security devices. Mark location of utilities.
- Obtain written approval of Owner prior to start of any Work in structures requiring asbestos abatement.
- Provide adequate fire protection at all times during construction activities.

3.2 UTILITY SERVICES

A. Maintain existing utilities indicated to remain in service and protect them against damage during demolition operations. Utility requirements: Locate, identify, disconnect, and seal or cap off indicated utility services serving buildings to be selectively demolished.

PART 3 - EXECUTION

3.1 PREPARATION

- Protect existing materials and equipment, which are not to be demolished. Provide, erect, and maintain temporary barriers and security devices. Mark location of utilities.
- Obtain written approval of Owner prior to start of any Work in structures requiring asbestos abatement.
- Provide adequate fire protection at all times during construction activities.

3.2 UTILITY SERVICES

A. Maintain existing utilities indicated to remain in service and protect them against damage during demolition operations. Utility requirements: Locate, identify, disconnect, and seal or cap off indicated utility services serving buildings to be selectively demolished.

3.3 DEMOLITION REQUIREMENTS

- Conduct demolition to minimize interference with adjacent structures and occupancies.
- Cease operations immediately if adjacent structures appear to be in danger. Notify Architect/Engineer. Do not resume operations until directed. Conduct operations with minimum interference to public or private accesses. Maintain egress and access at all times.
- Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas. Clean adjacent structures and improvements of dust, dirt and debris caused by demolition operations. Return adjacent areas to condition existing before start of demolition.

3.4 DEMOLITION

- Demolish in an orderly and careful manner. Protect existing supporting structural members and finishes. All penetrations through the floor or roof slab shall be x-rayed for coordination of post-tensioned cables prior to core drilling. Remove demolished materials from site.
- Conduct demolition operations to prevent injury to people and damage to adjacent buildings and facilities to remain. Ensure safe passage of people around demolition area.
 - Erect temporary protection, such as walks, fences, railings, canopies and covered passageways where required by authorities having jurisdiction.
 - Protect existing site improvements, appearances, and landscaping to remain.
 - Provide temporary weather protection, during interval between demolition and removal of existing construction, on exterior surfaces and new construction to ensure that no water leakage or damage occurs to structure or interior areas.
 - Protect walls, ceilings, floors, and other existing finish work that are to remain and are exposed during demolition operations.
 - Cover and protect furniture, furnishings and equipment that have not been removed.

3.5 SALVAGE

- Materials and finishes indicated for reuse shall be removed by or under the direct supervision of the craftsmen who will be responsible for its reinstallation. Materials and finishes to be salvaged shall be carefully removed and restored to their pre-removal conditions.
- Items designated to be salvaged shall be carefully disconnected and removed as indicated or as required by Work. All existing finish materials, which are salvageable and/or are designated for reuse in new construction shall be held by the Contractor in storage until a decision by the Architect is made as to their usability.

3.6 PATCHING AND REPAIRS

A. Promptly patch and repair holes and damaged surfaces caused to adjacent construction by demolition operations.

3.7 DISPOSAL OF DEMOLISHED MATERIALS

A. General: Promptly dispose of demolished materials. Do not allow demolished materials to accumulate on-site. Disposal: Transport demolished materials off Owner's property and legally disposes of them.

END OF SECTION

SECTION 06 20 00

FINISH CARPENTRY

PART 1 - GENERAL

1.1 SECTION INCLUDES

- Casework in to include new Bar, new Jury Box, Repair of Bench with removal of Court Reporter an installation of Ballistics Panel behind Bench.

1.3 QUALITY ASSURANCE

- When applicable, fabricate carpentry items in accordance with recommendations of Quality Standards of Architectural Woodwork Institute (AWI) "Custom" grade. Match existing millwork in profile, materials, trims, dimensions, and finishes.

1.5 SUBMITTALS

- Submit under provisions of Section 01 30 00.

1.6 DELIVERY, STORAGE, AND HANDLING

- Do not deliver shop fabricated carpentry items until site conditions are adequate to receive the work. Protect items from weather while in transit. Store indoors, in ventilated areas with a constant, minimum temperature of 60 degrees F, maximum relative humidity of 25 to 55 percent.

END OF SECTION

SECTION 06 20 00

FINISH CARPENTRY

PART 1 - GENERAL

1.1 SECTION INCLUDES

- Casework in to include new Bar, new Jury Box, Repair of Bench with removal of Court Reporter an installation of Ballistics Panel behind Bench.

1.3 QUALITY ASSURANCE

- When applicable, fabricate carpentry items in accordance with recommendations of Quality Standards of Architectural Woodwork Institute (AWI) "Custom" grade. Match existing millwork in profile, materials, trims, dimensions, and finishes.

1.5 SUBMITTALS

- Submit under provisions of Section 01 30 00.

1.6 DELIVERY, STORAGE, AND HANDLING

- Do not deliver shop fabricated carpentry items until site conditions are adequate to receive the work. Protect items from weather while in transit. Store indoors, in ventilated areas with a constant, minimum temperature of 60 degrees F, maximum relative humidity of 25 to 55 percent.

PART 2 - PRODUCTS

2.1 MATERIALS

- Lumber: PS 20, standard grade.
- Softwood Plywood: APA, A-C grade, Type II, 48" x 96", 3/4" thick.
- Hardwood Trim (Transparent Finish): As shown on drawings.
- Nails: Size and type to suit application.
- Bolts, Nuts, Washers, Lags, Pins and Screws: Size and type to suit application.
- 1/4" Plywood wall finish, standard grade.

2.2 FABRICATION

- All work shown to be wood or wood veneer shall be in accordance with the tolerances and requirements of AWI, Custom grade. Fabricate to design and details as shown on the drawings. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.
- Provide cutouts for fixtures, inserts, outlet boxes fixtures and fittings and control boxes. Verify locations of cutouts from on-site dimensions. Seal contact surfaces of cut edges. Provide vinyl grommets, sized for opening, at all exposed cutouts.

2.3 WOOD FINISHING

- Sand work smooth and set exposed nails and screws. Apply wood filler in exposed nail and screw indentations. On items to receive transparent finishes, use wood filler, which matches surrounding surfaces and of types recommended for applied finishes.
- Finish work in accordance with AWI - Section 1500, System #3 - Conversion Varnish, and Custom Grade. Match existing millwork in species and finish color/stain/sealers.

PART 3 - EXECUTION

3.1 INSTALLATION OF FINISH CARPENTRY ITEMS

- Set and secure finish carpentry items in place rigid, plumb, and square.
- Use purpose designed fixture attachments for mounted components.
- When necessary to cut and fit on site, make material with ample allowance for cutting. Provide trim for scribing and site cutting. Counter-sink semi-concealed anchorage devices used to wall mount components and conceal with solid plugs of species to match surrounding wood. Place flush with surrounding surfaces.
- Ensure electrical items affecting this Section of work are properly placed, complete, and have been inspected by the Architect/Engineer prior to commencement of installation.
- Blind nail wood trim where possible. Exposed nails to be countersunk and filled.

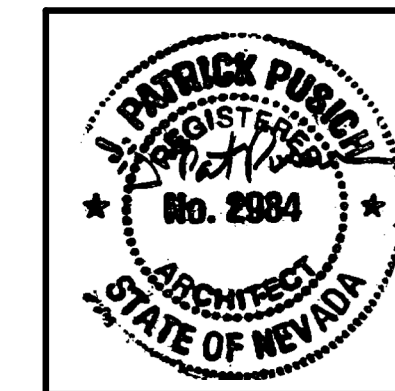
3.2 CLEANING

- Clean casework, counters, shelves, hardware, fittings and fixtures.

END OF SECTION

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Consultant

PLEASE RECYCLE

Project

EAST FORK JUSTICE COURT REMODEL

1625 WATER STREET
MINDEN, NV 89423

Job No: 19-018.00

Owner

DOUGLAS COUNTY

CONSTRUCTION ISSUE

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

PROJECT SPECIFICATIONS

Date: 10/11/2019

Sheet No:

A0.20

ARCHITECTURAL WOOD CASEWORK

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and Division 1 Specification Sections apply to this Section.
- B. See Architectural Drawings and Finish Schedule.

1.02 SECTION INCLUDES

- A. Specially fabricated cabinet units.
- B. Cabinet & Millwork Hardware. **For Folding Writing Surface & Sliding Gate at new Bar Rail.**
- C. Factory finishing.
- D. Preparation for installing utilities.
- E. Wood Veneer Vertical Faces.
- F. Other furnishing and decorative items as indicated on Architectural Drawings and Specifications.

1.03 RELATED REQUIREMENTS

- A. Section 06 20 00 - Finish Carpentry.

1.04 REFERENCE STANDARDS

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2017.
- B. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2014, with Errata (2016)
- C. BHMA A156.9 - American National Standard for Cabinet Hardware; 2016.
- D. HPVA HP-1 - American National Standard for Hardwood and Decorative Plywood; 2016.

1.05 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene a preinstallation meeting not less than one week before starting work of this section; require attendance by all affected installers.

1.06 SUBMITTALS

- A. See Section 01 33 00 - Submittal Requirements, for submittal procedures.

1.07 QUALITY ASSURANCE

- A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum 10 years of documented experience.
- Accredited participant in the specified certification program prior to the commencement of fabrication and throughout the duration of the project.
- C. Quality Certification:
- Provide labels or certificates indicating that the installed work complies with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade or grades specified.
 - Provide designated labels on shop drawings as required by certification program.
 - Provide designated labels on installed products as required by certification program.
 - Submit certifications upon completion of installation that verifies this work complies with specified requirements.
 - Replace, repair, or rework all work for which certification is refused.

1.08 MOCK-UP

- A. Not Required.

1.09 DELIVERY, STORAGE, AND HANDLING

- A. Packing and Shipping: Deliver materials to site in Manufacturer's original unopened packaging with labels intact. Storage: Adequately protect against damage and moisture while stored at the site. Handling: Comply with Manufacturer's instructions. Protect units from moisture damage.

1.10 FIELD CONDITIONS

- A. During and after installation of custom cabinets, maintain temperature and humidity conditions in building spaces at same levels planned for occupancy. Verify that field measurements are as indicated on Shop Drawings.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Single Source Responsibility: Provide and install this work from single fabricator.

2.02 WOOD-BASED COMPONENTS

- A. Wood fabricated from old growth timber is not permitted.
- B. Hardwood Lumber: Select hardwood lumber to meet the AWS Section 6 requirements for Premium or Custom Grade as specified, average moisture content of 6 percent; and as follows:
- Species and Cut: As indicated on Architectural Drawings and Specifications
- C. Hardwood Edge banding: Use solid hardwood edge banding matching species, color, grain, and grade for exposed portions of cabinetry.
- D. Hardwood Plywood: Core materials of particleboard, lumber, or MDF, type of glue recommended for application.
- Face Veneer(s) Species and Cut(s): As indicated on Interior Drawings and Specifications.
 - Face Veneer Grade: "AA" face, well matched for grain and color between veneer and lumber, unbacked. Paper backed veneer adhered with contact adhesive is not allowed.
 - Veneer thickness: .040 inch minimum

2.04 WOOD TREATMENT PROCESS

- A. Fire-Retardant Treatment:
- All architectural woodwork used in the interior of the building shall be fire retardant treated, except where allowed otherwise by Code.

2.05 SOLID WOOD VENEERS (Vertical Surfaces)

- A. Manufacturers:
- Oakwood Veneer Company: www.oakwoodveneer.com
 - Indiana Veneers Corp.: www.indianaveneers.com
 - FormWood Custom Veneer Plywood and Paneling: www.formwood.com
 - Other "equal" manufacturers as approved by the Architect.
 - Substitutions: Refer to Section 01 25 00 - Substitution Procedures.
- B. Wood Veneers as recommended for specific applications.
- Finishes, colors, patterns and textures as indicated on the Drawings and Material Schedules and as indicated on the drawings or selected by the Architect.
 - Wood Laminate Backer: BKL, 0.020 inch nominal thickness, undecorated; for application to concealed backside of panels faced with high-pressure decorative laminate.

2.06 ACCESSORIES

- A. Adhesive: Type recommended to meet AWS Adhesive Guidelines.
- All adhesive to be formaldehyde free/low VOC in fabrication of all casework.
- B. Wall Adhesive: Cartridge type compatible with paneling and wall substrate.
- C. Edge Trim for Wood Veneer Faced Casework: Matching solid hardwood edge of same species as face veneer. Thickness and profile as indicated on Drawings or as selected, 1/8 inch minimum.
- D. Ornamentation Metal Trim and Components: As specified in Section 05 75 00 - Decorative Metal Fabrications.
- E. Plastic Edge Banding: Extruded PVC, convex shaped; smooth finish; self-locking serrated tongue; of width to match component thickness.
- Color: As selected by Architect from manufacturer's standard range.
 - Use at all exposed plywood edges.
 - Use at all exposed shelf edges.
- F. Fasteners: Size and type to suit application.

- G. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; galvanized or chrome-plated finish in concealed locations and stainless steel or chrome-plated finish in exposed locations.

- H. Concealed Joint Fasteners: Threaded steel.

- I. Grommets: Standard plastic, painted metal, or rubber grommets for cutouts, in color to match adjacent surface.

2.07 HARDWARE

- A. Hardware for Folding Bracket at Writing Desk at Court Reporter Station. Provide Sugatsune Folding Bracket Item EB-303/EP. Load Capacity at P1 = 330 lbs. Load Capacity at P2 = 165 lbs. in 304 Stainless Steel Finish. Provide EDB Damper Unit also. Auto lock when opened and press lever to release lock. NSF certified. www.sugatsune.com: (1-800-562-5287)
- B. Sliding Door at Bar to be millwork slab to match bar wood/species/finish with sliding door hardware. See Architectural Details for additional information.
- 1-1/2" Wood Sliding Panel with 2 Handles Deltana SSPBB 12 10 Black in color.
 - ESALIFE Door Guides/Rollers at top and bottom. Heavy Duty Sliding Bar Door Floor Guide w/ Ball Bearings. Adjustable Rollers. Flat Bottom Design. Black in color. Top and Bottom Connections. See Details.

- C. Hardware Finish: As indicated on Interior Drawings and Specifications, or if not indicated, as selected by Architect

2.08 FABRICATION

- A. Fabricate architectural woodwork and cabinets in conformance with AWI Premium Grade.
- B. Exposed fasteners are not allowed in the finish Work on exposed and semi-exposed surfaces of the case goods.
- C. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.
- D. Edging: Fit shelves, doors, and exposed edges with specified edging or with material to match face species if not otherwise specified. Edge banding shall be adhered with PUR or Type 2 Aliphatic Resin Do not use more than one piece for any single length. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for scribing. Scribe tolerance is 1/32" max. Scribe trim is not acceptable.
- E. Door Fronts: 1 inch, or as shown on Drawings.
- F. Semi-exposed Surfaces (Interior surfaces of wood and wood veneer casework):
- Color: Match Existing Millwork in finish shade and color.
- G. Plastic Laminate: Apply plastic laminate finish in full-uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises. Locate counter but joints minimum 2 feet from sink cutouts.
- Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.
 - Cap exposed plastic laminate finish edges with material of same finish and pattern.
 - Edge Treatment: As detailed.
- H. Matching Wood Grain: Comply with requirements of quality standard for specified Grade and as follows:
- Provide center matched panels at each elevation.
 - Provide sequence matching across each elevation.
 - Carry figure of cabinet fronts to toe kicks.
- I. Mechanically fasten back splash to countertops as recommended by laminate manufacturer at 16 inches on center. When necessary to cut and fit on site, provide materials with ample allowance for cutting and scribing to walls. Provide cutouts for plumbing fixtures. Verify locations of cutouts from on-site dimensions. Seal out edges. Extend J-boxes as required by NEC.

2.10 SHOP FINISHING

- A. Sand work smooth and set exposed nails and screws. For opaque finishes, apply wood filler in exposed nail and screw indentations and sand smooth. On items to receive transparent finishes, use wood filler matching or blending with surrounding surfaces and of types recommended for applied finishes.
- B. Finish work in accordance with AWI/AWMAC/WI Architectural Woodwork Standards, Section 5 - Finishing for Grade specified or as otherwise indicated on Interior Drawings and as follows:
- Transparent:
 - System - 12, Polyurethane, Water-based.
 - Stain: As selected by Interior Designer.
 - Sheen: Satin.
 - Opaque:
 - System - 12, Polyurethane, Water-based.
 - Color: As selected by Interior Designer.
 - Sheen: Satin.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verify adequacy of backing and support framing. Verify location and sizes of utility rough in associated with work of this section. Coordinate with other Work, which affects, connects with, or will be concealed by this Work.

3.02 INSTALLATION

- A. Install work in accordance with AWI/AWMAC/WI (AWS) requirements for grade indicated. Set and secure custom millwork in place, assuming that they are rigid, plumb, and level. Shim as required with concealed shims. Install to tolerance of 1/8-inch in 96-inches for plumb and level (including tops).
- B. Use fixture attachments in concealed locations for wall mounted components. Use concealed joint fasteners to align and secure units.
- C. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose. Refinish cut surfaces or repair damaged finish at cuts.
- D. Secure millwork to floor using appropriate angles and anchorages. Countersink anchorage devices at exposed locations. Conceal with solid wood plugs of species to match surrounding wood, finish flush with surrounding surfaces. When exposed fastening is required to complete installation, exposed fasteners shall be set in quirks, reveals, and reliefs (to be least visible when installation is complete).
- E. Install trim in single lengths without splices where possible.
- Splices should be cut at a 22.5 degree angle. Miter external corners and cope internal corners. Where blind nailing is not possible, drill pilot holes at locations best hidden in finished work. Use only finish or casing nails. Set nails for putty stopping in surfaced members

3.03 FIELD FINISHING

- A. Field finish Architectural Woodwork indicated to have a Stained finish.

3.04 ADJUSTING

- A. Test installed work for rigidity and ability to support loads. Adjust moving or operating parts to function smoothly and correctly. Clean, lubricate, and adjust hardware.
- B. Repair damaged and defective woodwork where possible to eliminate functional and visual defects; where not possible to repair, replace woodwork.

3.05 CLEANING

- A. Clean casework, counters, shelves, hardware, fittings, and fixtures.
- B. During the course of the Work and on completion, remove and dispose of excess materials, equipment and debris away from premises. Leave Work in clean condition.

3.06 PROTECTION

- A. Provide final protection and maintain conditions, in a manner acceptable to Owner that ensures that woodwork is without damage or deterioration at time of Substantial Completion.

END OF SECTION

JOINT SEALANTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes sealants, joint backing, and accessories.

1.2 PERFORMANCE REQUIREMENTS

- A. Provide joint sealants for interior applications that establish and maintain airtight and water-resistant continuous joint seals without staining or deteriorating joint substrates.

1.3 SUBMITTALS

- A. Product Data: For each joint-sealant, product indicated; submit data indicating sealant chemical characteristics, performance criteria, substrate preparation, limitations, and color availability. Delete paragraph above if colors are preselected and specified or scheduled. Retain first paragraph below with or without above.
- B. Samples for Verification: For each type and color of joint sealant required, provide Samples with joint sealants in 1/2 inch wide joints formed between two 6-inch long strips of material matching the appearance of exposed surfaces adjacent to joint sealants.

1.4 QUALITY ASSURANCE

- A. Installer Company specializing in performing work with minimum three years experience.

1.5 PROJECT CONDITIONS

- A. Do not proceed with installation of joint sealants under the following conditions:
- When ambient and substrate temperature conditions are outside limits permitted by joint-sealant manufacturer or are below 40 deg F. When joint substrates are wet.
 - Where joint widths are less than those allowed by joint-sealant manufacturer for applications indicated.
- 2.1 MATERIALS, GENERAL
- A. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by sealant manufacturer, based on testing and field experience.
- B. VOC Content of Interior Sealants: Provide sealants and sealant primers for use inside the weatherproofing system that comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24):

2.2 MANUFACTURERS

- A. Manufacturers:
- Sonneborn
 - Tremco
 - Sika Corp.
 - Approved equal.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine joints indicated to receive joint sealants, with Installer present, for compliance with requirements for joint configuration, installation tolerances, and other conditions affecting joint-sealant performance. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions and the following requirements: As previously noted in "Miscellaneous Materials" Article, purpose of primers is to improve adhesion of sealant to substrate.
- B. Joint Priming: Prime joint substrates, where recommended in writing by joint-sealant manufacturer, based on preconstruction joint-sealant-substrate tests or prior experience. Apply primer to comply with joint-sealant manufacturer's written instructions. Confine primers to areas of joint-sealant bond; do not allow spillage or migration onto adjoining surfaces. Delete below if not required.
- C. Masking Tape: Use masking tape where required to prevent contact of sealant with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears.

3.3 INSTALLATION OF JOINT SEALANTS

- A. General: Comply with joint-sealant manufacturer's written installation instructions for products and applications indicated, unless more stringent requirements apply.
- B. Sealant Installation Standard: Comply with recommendations in ASTM C 1193 for use of joint sealants as applicable to materials, applications, and conditions indicated. Delete first paragraph below only if use of acoustical sealants is specified in other Sections without reference to this Section. Install sealants using proven techniques that comply with the following and at the same time backings are installed:
- Place sealants so they directly contact and fully wet joint substrates.
 - Completely fill recesses in each joint configuration.
 - Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.

3.4 CLEANING

- A. Clean off excess sealant or sealant smears adjacent to joints as the Work progresses by methods and with cleaning materials approved in writing by manufacturers of joint sealants and of products in which joints occur.

END OF SECTION

SECTION 09 11 00

NON-LOAD BEARING WALL FRAMING

PART 1 - GENERAL

- 1.1 SECTION INCLUDES Non-load bearing metal studs for wall assemblies and soffit framing.
- A. REFERENCES

STANDARDS

- ASTM C 645 - Standard Specification for Nonstructural Steel Framing Members, 2000.
- ASTM C 754 - Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products.
- ASTM C 1513 - Standard Specification for Steel Tapping Screws for Cold-Formed Steel Framing Connections.
- AISI Specification for the Design of Cold-Formed Structural Members.
- AISI - Standard for Cold-Formed Steel Framing General Provisions.

B. SUBMITTALS

- Submit under provisions of Section 01 33 00. Manufacturer's data sheets on each product specified, including:
 - Preparation instructions and recommendations.
 - Storage and handling requirements and recommendations.
 - Installation methods.

C. QUALITY ASSURANCE

- Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.
- Pre-installation Meetings: Conduct pre-installation meeting to verify project requirements, substrate conditions, and manufacturer's installation instructions.

D. PROJECT CONDITIONS

- Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturers: Dietrich Metal Framing, Inc., which is located at: 500 Grant St. Suite 2226 ; Pittsburgh, PA 15219; Tel: 412-281-2805; Fax: 412-281-2965; Email: HYPERLINK
- *mailto:hcollins@dietrichindustries.com*hcollins@dietrichindustries.com; Web: <http://www.dietrichmetalframing.com>; www.dietrichmetalframing.com

2.2 COMPONENTS

- A. Studs: Cold-formed galvanized steel C-studs, in conformance with AISI Specifications for Design of Cold-formed Steel Structural Members; Dietrich Big"D" drywall studs.
- Designation and size as indicated on the drawings.
 - Minimum Delivered Thickness: Designation: STE-20 gauge, 0.0297 inches steel thickness, drywall stud.
 - Minimum Delivered Thickness: Designation: STN-25 gauge, 0.0179 inches steel thickness, drywall stud.
 - Minimum Delivered Thickness: Designation: STX-20 gauge, 0.0329 inches steel thickness, drywall stud
 - Web Sizes: As indicated on drawings.
 - Web Size: 1-5/8 inches.
 - Web Size: 2-1/2 inches.
 - Web Size: 3-5/8 inches.
 - Web Size: 4 inches.
 - Flanges: Equal lengths 1-1/4 inches.
 - Section Properties: Manufacturer's standard section properties.
- B. Runner Track: Cold-formed galvanized steel in conformance with AISI Specifications for Design of Cold-formed Steel Structural Members; Dietrich Big "D" drywall runner track.
- Thickness equal to stud thickness minimum or heavier per design requirements. Hemmed Runner Track: Cold-formed galvanized steel sheet in conformance with AISI Specifications for Design of Cold-formed Steel Structural Members, Dietrich Big "D" drywall hemmed runner track.
 - Designation and size as indicated on the drawings.
 - Designation: HTN-25 gauge, 0.0179 inches steel thickness, drywall track, 1-1/4 inches leg height.
 - Track Sizes: As indicated on drawings.
 - Track Size: 2-1/2 inches.
 - Track Size: 3-5/8 inches.
 - Track Size: 4 inches.
 - Section Properties: Manufacturer's standard section properties.
- C. Furring Channel: Cold-formed galvanized steel in conformance with AISI Specifications for Design of Cold-formed Steel Structural Members; Dietrich Big "D" furring channel.** Designation and size as indicated on the drawings.
- Designation: FCH, 22 gauge, 0.0269 inches sheet thickness, 7/8 inches height, 2-11/16 inches width.
 - Designation: FCND, 25 gauge, 0.0179 inches sheet thickness, 1-1/2 inches height, 2 7/8 inches width.
 - Designation: FCED, 20 gauge, 0.0297 inches sheet thickness, 1-1/2 inches height, 2-7/8 inches width.
- D. Drywall Corner Bead: Cold-formed galvanized steel sheet.
- Type: 103 Deluxe, Flange Length: 1-1/4 inches.
- E. Framing Component Accessories: Provide the following accessories as required for a complete system. EasyClip Clip Angle, Angles, Backing Strip.
- F. Fasteners: Self-drilling, self-tapping screws; steel, complying with ASTM C 1513; galvanized coating, plated or oil-phosphate coated complying with ASTM B 633 as needed for required corrosion resistance.

2.3 MATERIALS

- A. Cold-Formed Steel: Complying with ASTM A 1003/A 1003M; unless indicated otherwise.
- B. Coating: G40 coating weight minimum, complying with ASTM C 645.

2.4 FABRICATION

- A. General: Framing components may be preassembled into panels prior to erecting.
- B. Fabricate panels square, with components attached in a manner so as to prevent racking or distortion. Cut all framing components squarely for attachment to perpendicular members, or as required for an angular fit against abutting members. Hold members positively in place until properly fastened. Fasteners: Fasten components using self-tapping screws or welding.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Prior to installation, inspect previous work of all other trades. Verify that all work is complete and accurate to the point where this installation may properly proceed in strict accordance with framing shop drawings. Substrate preparation is the responsibility of another installer; notify Architect of unsatisfactory preparation before proceeding.

3.2 ERECTION

- A. Install cold-formed framing in accordance with requirements of ASTM C 754
- B. Framing Installation
- Erect framing and panels plumb, level and square in strict accordance with approved drawings. Handle and lift prefabricated panels in a manner to not cause distortion. Anchor runner track securely to the supporting structure. Install concrete anchors only after full compressive strength has been achieved.
 - Butt all track joints. Securely anchor abutting pieces of track to a common structural element, or splice them together. Align and plumb studs, and securely attach to the flanges or webs of both upper and lower tracks.
 - Attach wall stud bridging in a manner to prevent stud rotation. Space bridging rows according to manufacturer's recommendations. Provided temporary bracing until erection is completed. Where indicated in the drawings, provide for structural vertical movement using means in accordance with manufacturer's recommendations.

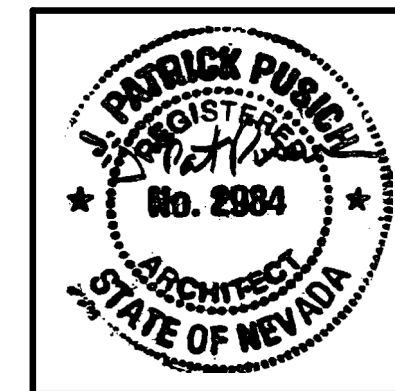
3.3 PROTECTION

- A. Protect installed products until completion of project. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

tsk

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Consultant

PLEASE RECYCLE

Project

EAST FORK JUSTICE COURT REMODEL

1625 WATER STREET
MINDEN, NV 89423

Job No: 19-018.00

Owner

DOUGLAS COUNTY

CONSTRUCTION ISSUE

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

PROJECT SPECIFICATIONS

Date: 10/11/2019

Sheet No:

A0.30

SECTION 09 51 10
SUSPENDED ACOUSTICAL CEILING

PART 1 - GENERAL

- 1.1 SECTION INCLUDES
A. Suspended metal grid ceiling system. See Electrical and Mechanical Drawings for additional coordination.
1.2 REFERENCES
A. ASTM C635 - Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings
B. ASTM E84 - Test Method for Surface Burning Characteristics of Building Materials.
C. ICBO (International Conference of Building Officials) Evaluation Report 4071
D. International Building Code (IBC), 2018 Edition with Local Jurisdiction Amendments.
E. CISCA Guidelines for Seismic Restraint for Direct Hung Suspended Ceiling Systems, Seismic Zones 3 and 4.
1.4 SUBMITTALS
A. Submit under provisions of Section 01 33 00.
1.5 QUALITY ASSURANCE
A. Manufacturer: Company specializing in manufacture of ceiling suspension system and ceiling tile with three (3) years minimum experience.
B. Installer: Company with three years' minimum experience.
1.6 REGULATORY REQUIREMENTS
A. Conform to IBC, ASCE and CISCA requirements for Seismic Design Category listed in Design Data on Drawings.
1. For Seismic Design Category D: Comply with CISCA Guidelines for Seismic Zones 3 & 4.
B. Fire Performance Characteristics: Identify components with markings of applicable testing organization. Surface Burning Characteristics: Tested in accordance with ASTM E 84.
1. Flame Spread: 25 or less, Smoke Developed: 50 or less.
C. Fire Resistance Ratings: Indicated by reference to design designations in UL Fire Resistance Directory, tested per ASTM E 119
1.7 ENVIRONMENTAL REQUIREMENTS
A. Maintain uniform temperature of minimum 60 degrees F and humidity of 20 to 40 percent prior to, during, and after installation.
1.8 EXTRA MATERIAL
A. Provide two (2) cartons of each type of ceiling panel and tile installed.

PART 2 - PRODUCTS

- 2.1 ACCEPTABLE MANUFACTURERS - SUSPENSION SYSTEM
A. Armstrong.
B. USG Interiors.
C. Chicago Metallic Corp.
D. Substitutions: Under provision of Section 01 63 00.
2.2 SUSPENSION SYSTEM
A. Basis of Design: Armstrong Suspension T-Bar Grid System - Prelude XL 15/16" Exposed Tee System. Exposed grid with panel - centering device and cross tees with over ride ends. Hot dipped galvanized steel body. MATCH EXISTING REMAINING CEILING.
B. Rating: Heavy-Duty in accordance with ASTM C635.
C. Accessories: Provide edge trim, hanger wires, support channels and other accessories as required for a complete system in size and configuration shown on drawings and in accordance with IBC, ASCE and CISCA requirements. Exposed Trim and Accessories: Formed steel finished to match grid.
D. Hangers and Supports: Galvanized steel. Hangers not less than 12 gauge.
F. Ceiling Struts: Pre-manufactured struts, specifically designed for horizontal restraint of suspended ceiling systems. Site fabricated posts of 1/2 inch and 3/4 inch EMT may be used if fabricated and installed in accordance with ICBO Evaluation Report ER-4071 and acceptable to the governing authority.

PART 3 - EXECUTION

- 3.1 EXAMINATION
A. Verify that existing conditions are ready to receive work. Verify that layout of hangers will not interfere with other work. Coordinate installation in areas containing major ductwork. Beginning of installation means acceptance of existing conditions.
3.2 PREPARATION
A. Do not install acoustical ceilings until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved. Schedule installation of acoustic units after interior wet work is dry.
3.3 INSTALLATION
A. Install system in accordance with ASTM C636, IBC, ASCE and CISCA requirements for designated Seismic Design Category and as supplemented in this Section. Install system capable of supporting imposed loads to a deflection of 1/360 maximum and in accordance with the details on the drawings. Install after major above ceiling work is complete. Coordinate the location of hangers with other work.
B. Supply hangers or inserts for installation to installers of work with instructions for their correct placement. If metal deck is not supplied with hanger tabs, coordinate the installation of hanger clips during steel deck erection. Provide additional hangers and inserts as required. Submit detail of hanging/block reinforcement to Architect prior to commencing work.
C. Hang system independent of walls, columns, ducts, pipes and conduit.
1. For Seismic Design Category C: Sprinkler heads and other penetration shall have a minimum of 1/4-inch clearance on all sides.
2. For Seismic Design Category D: Sprinkler heads and other penetrations shall have a minimum 1 inch clearance on all sides.
D. Install edge molding at intersection of ceiling and vertical surfaces, using longest practical lengths. Miter corners. Provide edge moldings at junctions with other interruptions.
1. For Seismic Design Category D: All perimeter closure angles or channels shall provide a support ledge or 2 inches and end of grid members shall have a minimum 7/8-inch clearance from wall. For Seismic Design Category D only: At perimeter support angles, connect one end of ceiling grid members to support angle in each orthogonal horizontal direction. Do not attach other end of grid to support angle.
H. Where ducts or other equipment prevent the regular spacing of hangers, trapeze above or below interfering members.
I. Locate system on room axis according to reflected plan.
J. Do not eccentrically load system, or produce rotation of runners.
K. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability. Support fixture loads by supplementary hangers located within 6 inches of each corner, or support components independently.
L. Form expansion joints as required. Form to accommodate plus or minus one inch movement. Maintain visual closure.
M. Fit acoustic units in place, free from damaged edges or other defects detrimental to appearance and function.
N. Install acoustic units level, in uniform plane, and free from twist, warp and dents.

- O. Install perforated metal panels by face screwing panel to grid at 6 inches O.C. Lap sides at least one corrugation and butt panel ends. Install duct liner insulation above panels, secure in grid.
P. Install adhesive mounted tile in accordance with manufacturer's instruction with layout rules specified above.
3.4 TOLERANCES
A. Variation from Flat and Level Surface: 1/8 inch in 10 ft.
END OF SECTION

SECTION 09 65 00

RUBBER BASE

PART 1 - GENERAL

- 1.1 SECTION INCLUDES
A. Rubber Base / Resilient Base. (6" typical at all locations)
1.2 SUBMITTALS
A. Product Data: Submit manufacturer's data on specified products.
B. Samples: Submit four (4) samples of base material for each color specified.
1.3 OPERATION AND MAINTENANCE DATA
A. Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning. Manufacturer's representative to provide a physical maintenance training demonstration to Owner's maintenance staff.
1.4 REGULATORY REQUIREMENTS
A. Conform to IBC for flame/ fuel/smoke rating requirements of resilient flooring in accordance with ASTM E648 and E662.
1.5 ENVIRONMENTAL REQUIREMENTS
A. Store materials for three (3) calendar days prior to installation in area of installation to achieve temperature stability. Maintain ambient temperature required by adhesive manufacturer three (3) calendar days prior to, during, and 24 hours after installation of materials.
1.6 EXTRA MATERIAL
A. 20 lineal feet of base for the Courtroom Renovation.
B. Provide 500 l.f. of base to the County as a part of a future carpet project that will occur outside of this courtroom renovation project.

PART 2 - PRODUCTS

- 2.1 MANUFACTURERS - RUBBER BASE
A. Roppe.
B. Allstate.
C. Burke.
D. Johnsonite.
E. Approved Equal.
2.4 BASE MATERIALS
A. Base: ASTM F-1861, Type TS , Group 1, thermoset vulcanized extruded rubber; 6 inch high; 1/8 inch thick; standard toe, color to Match Existing. (4" at locker toe kick) See Finish Schedule. Provide premoled exterior corners.

PART 3 - EXECUTION

- 3.1 EXAMINATION
A. Verify that surfaces are smooth and flat with maximum variation of 1/8 inch in 10 ft, and are ready to receive Work. Beginning of installation means acceptance of existing substrate and site conditions.
3.2 PREPARATION
A. Remove sub-floor ridges and bumps. Fill low spots, cracks, joints, holes, and other defects with subfloor filler. Apply, trowel, and float filler to leave a smooth, flat, hard surface. Prohibit traffic from area until filler is cured. Vacuum clean substrate. Apply primer to surfaces.
3.3 INSTALLATION - BASE MATERIAL
A. Fit joints tight and vertical. Maintain minimum measurement of 18 inches between joints. Miter internal corners. At external corners, use premoled units. At exposed ends use premoled units. Install base on solid backing. Bond tight to wall and floor surfaces. Scribe and fit to door frames and other interruptions. Install toeless base at carpet flooring. Install standard toe base at all other locations.
3.5 CLEANING
A. Remove excess adhesive from floor, base, and wall surfaces without damage. Clean, seal, and apply protective polish to the floor and base surfaces in accordance with manufacturer's instructions for initial maintenance.
3.6 PROTECTION
A. Prohibit traffic on floor finish for 48 hours after installation.
END OF SECTION

SECTION 09 69 00

CARPET TILE

Basis of Design: Mannington Palma 2 Portela Carpet Tile

PART 1 - GENERAL

- 1.1 SUMMARY
A. Section Includes: Carpet removal, new carpet and accessories for direct glue down installation.
B. Carpet Tile per Finish Schedule: Basis of Design: Mannington 24x24 Carpet Tile "Palma 2-Portela, Color Eustratia.
C. Carpet Transition Basis of Design: Mannington Commercial "Fusion" Rubber Transition Strip. 9.5mm to 2.5mm transition. Color: Light Brown. (Conform with Finish Schedule).
D. Alternates or Substitutions: Whenever a particular make of material or trade name is specified herein, it shall be regarded as being indicative of the standards required. Regardless of format of specifications, any product other than those named in Part 2 -Products, Item number 2.01, must proceed as an alternate or substitute. A bidder who proposes to quote on the basis of an alternate or substitute material or system shall submit to the architect, at least 14 days prior to the scheduled bid date, the following information:
1. Alternate Manufactures to include: Shaw, Interface, Mohawk. These are approved manufactures, however the color/pattern of the Basis of Design Mannington needs to be maintained and approved by the Client - prior to bidding. Written application for approval of alternate or substitute to include specifications of alternate or substitute carpet on company letterhead and signed by company officer.
2. "24" x "24" sample of the proposed alternate or substitute with recommended backing technology.
3. A complete sample representation of colors available.
4. Copies of warranties for proposed alternate or substitute.
1.2 SUBMITTALS
A. Layout Drawings: Show layout of each carpet type installation, at 1/8" scale.
B. Samples: Submit for verification purposes, 9" x 9" samples of each carpet required. Samples shall be accompanied by manufacturer's technical specification for each carpet required using terminology characteristics as listed in this specification. Also, include a complete representation in sample form of all available colorations. Maintenance Data: Submit manufacturer's printed maintenance recommendations for the care, cleaning, and maintenance of the carpet, including detailed instructions pertaining to hot water extraction methods.

1.3 QUALITY ASSURANCE

- A. Flooring Contractor's Qualifications: Firm with not less than 5 consecutive years of experience in installation of commercial carpeting of type, quantity and installation methods similar to work of this section. FLOORING CONTRACTOR SHALL SUBMIT WITH BID PROPOSAL WRITTEN CERTIFICATION FROM CARPET MANUFACTURER THAT CERTIFIES FIRM AS AN APPROVED INSTALLER FOR THIS PROJECT.
B. Measurement Verification: Dimensions shown on drawings are approximate. It is the Flooring Contractor's responsibility to verify all dimensions and job site conditions; order sufficient yardage to fully carpet areas as indicated and to fill coverage requirements as specified. No substitutions shall be permitted to make up for any shortage of material in coverage or in carpet to be installed.
C. Dye Lots: All carpet of the same type in continuous areas shall be from the same dye lots. Carpets that are piece dyed and are limited to dye batch sizes must be approved by the owner. Transition from one dye lot to another shall be detailed on shop drawings and approved by owner.
1.4 PRODUCT DELIVERY, STORAGE & HANDLING
A. Deliver carpeting materials in original mill protective wrapping with mill register numbers and tags attached. Maintain wrappers and protective covers in place until carpet is ready for installation. Store inside, in well-ventilated area, protected from weather, moisture and soiling. Deliver all required overages and maintenance stock to owner's specified location prior to beginning installation.
1.5 JOB CONDITIONS
A. Environmental Conditions: Maintain temperatures in space in accordance with carpet or adhesive manufacturer's recommendations, but in no case less than 65 degrees F for 24 hours prior to, during and after installation. Subfloor temperature should be a minimum 65 degrees F for 24 hours prior to and after installation.
B. Precondition: All of the carpet shall be spread in a room on site 24 hours prior to actual installation with the room preconditioned at a minimum of 65 degrees F with humidity between 10% to 65%.
1.6 EXTRA STOCK
A. The Contractor shall provide 5% overage for the Courtroom carpet installation.
B. The Contractor shall additionally provide an additional 1400 s.f. of carpet (F-1) as the Owner will carpet the surrounding support rooms as apart of a separate project. Extra Stock to be delivered to the Owner in uncut in clearly marked dust-proof packages prior to completion of work. Store where directed.

PART 2 - PRODUCTS

- 2.1 CARPET
* All substitutions of equal products must be approved 14 days prior to bid.
A. Carpet Type F-1 Carpet shall meet the following minimum requirements: Face Fiber: Invista Antron Legacy or Lumena Type 6.6 Four Hole, Hollow Filament Nylon, with Permanent Stain and Bleach Protection, Static Control, and Duratek Soil Resistant Treatment, and a Fiber Modification
B. WARRANTIES
1. Definition of Lifetime: Lifetime is defined as the period from which materials are installed until the date in which the owner removes them from service.
2. Manufacturer's Lifetime Warranty, non-prorated, against product failure covering all costs including freight, labor, and material for the following:
* Edge Ravel, Back delamination, Superior tuft bind in high traffic environments, wet or dry. Static protection as stated above. Moisture Barrier-Pre-Coat and Backing. Wear - No more than 10% Face Yarn Loss. Adhesive failure
C. BLEACH RESISTANT
1. Will resist color loss from diluted bleach applications for a period of fifteen years from the date of original installation. Diluted bleach applications means spills or splashes on the carpet of diluted bleach solutions (10% or less) of the type normally used for cleaning or disinfecting purposes.
2.2 ACCESSORIES
A. Adhesives: Waterproof, non-flammable carpet adhesive recommended and approved by carpet manufacturer in writing for compatibility with carpet backing, have no calculated VOC's, be non-flammable, and meet the criteria of the CRI Green Label Plus Certification Program, SOAQMD Rule 1168 and CHPS 1350. MSDS and samples required on product used. Adhesive must have Lifetime Bond Warranty from manufacturer
B. Miscellaneous Materials: As recommended and approved in writing by manufacturer of carpet, and selected by Flooring Contractor to meet project circumstance and requirements. Protection Paper: Fortifiber Corporation "Seekure 892", or approved heavy, reinforced, non-staining kraft laminated paper.

PART 3 - EXECUTION

- 3.1 CARPET REMOVAL
A. Remove and dispose of all existing carpet and materials to make subfloor acceptable for installation if applicable.
3.2 INSPECTION
A. General: Do not start work until works of other trades are substantially completed. Inspect surfaces to receive carpet and verify that all such work is complete to the point where this installation may properly commence. In the event of discrepancy, notify Construction Manager. Do not proceed with installation in areas of discrepancy until all such discrepancies have been fully resolved. Start of carpet installation indicates acceptance of subfloor conditions and full responsibility for completed work.
3.3 CARPET RECLAMATION - Carpet Reclamation program shall be through carpet manufacturer's recycling program: LOOP by Mannington.
A. QUALITY ASSURANCE
1. Reclamation Agency: Mannington LOOP program providing used carpet recycling program.
2. Carpet Remover: Firm (or designated agent firm) providing carpet removal services through carpet manufacturer's recycling program.
3. Regulatory Requirements: Comply with governing regulations. Comply with hauling and disposal regulations of authorities having jurisdiction.
4. Record off-site removal of debris and materials and provide the following information regarding the removed materials: Time and Date of Removal; Type of Material; Weight and Quantity of Materials; Final Destination of Materials.
5. Certification: Reclamation Agency and Carpet Remover shall certify in writing that used carpet was removed and recycled to assure carpet is not landfilled.
6. Removed carpet and associated materials shall not be removed and placed in a landfill.
7. Preparation for Recycle. Vacuum used carpet before removal.
3.4 INSTALLATION, GENERAL
A. General: Comply with manufacturer's instructions and recommendations for installation of this type of carpet by the full glue down method. Prepare the subfloor to insure a successful installation.
B. Carpeting shall be installed per the manufacturer's recommendations. Pattern to be established by the Architect. Cut carpet tile evenly and accurately to fit neatly at walls, columns, and projections. Extend carpet under open-bottomed and raised-bottom obstructions, and under removable flanges of obstructions. Installed carpet tiles shall be free from ripples, ravel, frays, and puckers. All loop pile carpets will demonstrate some fuzzy edges due to normal manufacturing conditions.
3.5 CLEANING AND PROTECTION
A. Remove and dispose of debris and unusable scraps.
B. Vacuum carpet using two motor, top loading, upright commercial machine with brush-only element, utilizing a high filtration dust bag. Remove spots in accordance with carpet manufacturer's guidelines and replace carpet where spots cannot be removed. Remove any protruding face yarn using sharp scissors. Be certain to trim any loose yarn or fibers at all seams. Following cleaning and vacuum carefully protect the carpeting from soiling and damage until final acceptance. Protection shall be accomplished by using approved protection paper. Edges shall be lapped 6 inches and secured with non-asphaltic tape. Covering shall be kept in repair and damaged portions replaced during the construction and move-in period.
D. Maintenance Materials: Deliver usable scraps to Owner's designated storage space, properly packaged and identified. Dispose of smaller pieces as construction waste.
END OF SECTION

SECTION 09 91 00

PAINTING

PART 1 - GENERAL

- 1.1 SECTION INCLUDES
A. Surface preparation and application of paints and coatings
B. All Walls in Work Areas are to be painted. See Finish Schedule.
C. Select Doors and Frames are to be repainted. See Door and Finish Schedule for criteria.
1.2 SUBMITTALS
A. Product Data: Provide product data on all finishing products.
B. Samples: Submit six (6) paint samples of each color selected or six (6) manufacturer's paint charts with each selected color clearly identified.
1.3 QUALITY ASSURANCE
A. Product Manufacturer: Company specializing in manufacturing quality paints and finish products with three (3) years experience.
B. Applicator: Company specializing in commercial painting and finishing with three (3) years documented experience.
1.4 REGULATORY REQUIREMENTS
A. Conform to applicable code for flame/fuel/smoke rating requirements for finishes.
1.5 DELIVERY, STORAGE AND HANDLING
A. Deliver products to site in sealed and labeled containers; inspect to verify acceptance.
B. Container labeling to include manufacturer's name, type of paint, brand name, drying time, cleanup, color designation, and instructions for mixing and reducing.
C. Store paint materials at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in well-ventilated area, unless required otherwise by manufacturer's instructions.
1.6 ENVIRONMENTAL REQUIREMENTS
A. Provide continuous ventilation and heating facilities to maintain surface and ambient temperatures above 45 degrees F for 24 hours before, during, and 48 hours after application of finishes, unless required otherwise by manufacturer's instructions.
D. Provide lighting level of 80 ft candles measured mid-height at substrate surface.
1.7 EXTRA MATERIALS
A. Provide 1 gallon of each trim color in fresh, unopened containers.
B. Provide 1 gallon of each wall color in fresh, unopened containers.
C. Provide paint color chart reflecting brands, all colors and mixing formulas.

PART 2 - PRODUCTS

- 2.1 ACCEPTABLE MANUFACTURERS - PAINT
A. Benjamin Moor Paints
B. Pittsburg Paints
C. Sherwin Williams
D. Approved equal.
2.2 MATERIALS
A. INTERIOR WALLS:
1. Benjamin Moore Paints
2. Eco Spec Interior Semi-gloss Latex 376
3. Color and sheen to be reviewed and approved by UNR Facilities Services
4. Benjamin Moore
5. Ultra Spec 600
6. Color and sheen to be reviewed and approved by Architect & Owner.
B. DOOR FRAMES.
1. Pittsburgh Paints
2. Pitt Tech
3. DTM Industrial Acrylic Enamel
4. 99 Series
5. Color and sheen to be reviewed and approved by Architect & Owner.
6. PPG Industrial Finishes
C. Coatings: Good flow and brushing properties; capable of drying or curing free of streaks or sags. Coatings: Ready mixed, except field-catalyzed coatings. Process pigments to a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating.
D. Accessory Materials: Linseed oil, shellac, turpentine, paint thinners and other materials not specifically indicated but required to achieve the finishes specified, of commercial quality.
E. All paint products shall contain no mercury compounds. Also all products shall meet the chemical component limits of the applicable Green Seal's Standard or South Coast Air Quality Rule. All products shall be listed as low or no VOC. Interior Topcoat Paints: All products not to exceed the VOC limits of Green Seal's Standard GS-11.

PART 3 - EXECUTION

- 3.1 INSPECTION
A. Verify that substrate conditions are ready to receive work as instructed by the product manufacturer. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces is below the following maximums:
1. Plaster and Gypsum Wallboard: twelve (12) percent.
2. Interior Located Wood: fifteen (15) percent, measured in accordance with ASTM D2016.
C. Beginning of installation means acceptance of substrate.
3.2 PREPARATION - PREVIOUSLY PAINTED SURFACES
A. Comply with all requirements for preparation for new construction as listed below and the following requirements for existing, previously painted surfaces:
B. Clean all surfaces free of all dirt, dust, loose and unsound paint coatings and other foreign matter by hydrowash method with additional scraping and sanding as required. Provide a clean, sound surface for the new paint coatings. Repair cracks and voids in plaster surfaces.
C. Prior to surface preparation and painting operations, mask, remove or otherwise adequately protect all hardware, accessories, machined surfaces, plates, fire sprinkler heads, lighting fixtures and similar items in contact with painted surfaces but not scheduled to receive paint. Clean all ferrous metal surfaces until completely free from dirt, oil and grease. After cleaning, apply one coat of the specified primer the same day to all ferrous metal surfaces scheduled to be painted.
3.3 PREPARATION - NEW CONSTRUCTION
A. Remove electrical plates, hardware, light fixture trim, and fittings prior to preparing surfaces or finishing. Correct minor defects and clean surfaces which affect work of this Section. Shellac and seal marks which may bleed through surface finishes.
B. Gypsum Board Surfaces: Latex fill minor defects. Spot prime defects after repair.
C. Interior Wood Items to Receive Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after primer has dried; sand between coats. Wood & Metal Doors Scheduled for Painting: Seal top & bottom edges w/ primer.



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Project

EAST FORK JUSTICE COURT REMODEL

1625 WATER STREET
MINDEN, NV 89423

Job No: 19-018.00

Owner
DOUGLAS COUNTY

CONSTRUCTION ISSUE

Table with 3 columns: REV, DATE, DESCRIPTION. Header row: REVISIONS.

Sheet Title

PROJECT SPECIFICATIONS

Date: 10/11/2019

Sheet No:

A0.40

- 3.4 APPLICATION
- A. Apply products in accordance with manufacturer's instructions. Do not apply finishes to surfaces that are not dry. Apply each coat to uniform finish. Apply each coat of paint slightly darker than preceding coat unless otherwise approved. Prime back surfaces of interior and exterior woodwork with primer paint. Prime back surfaces of interior woodwork scheduled to receive stain or varnish finish with gloss varnish reduced 25 percent with mineral spirits.
- 3.5 CLEANING
- A. As Work proceeds, promptly remove paint where spilled, splashed, or spattered. During progress of Work maintain premises free of unnecessary accumulation of tools, equipment, surplus materials, and debris. Collect cotton waste, cloths, and material which may constitute a fire hazard, place in closed metal containers and remove daily from site.
- 3.6 PROTECTION
- A. Protect elements surrounding the work of this Section from damage or disfiguration. Repair damage to other surfaces caused by work of other trades. Furnish drop cloths, shields, and protective methods to prevent disfiguring other surfaces. Remove empty paint containers from site.
- 3.8 SCHEDULE – See Finish Schedule.
- END OF SECTION

SECTION 10 26 41

BULLET-RESISTANT PANELS

PART 1 GENERAL

- 1.1 SECTION INCLUDES
- A. Bullet resistant fiberglass panels at the rear face of the Judges Bench and Recorders Desk. Remove inside wood panel, electrical outlets, install new ballistic panel, and reinstall paneling and electrical devices. See Drawings. To be of the following ballistic rating level:
1. ArmorCore Level 3.
- 1.2 RELATED SECTIONS
- A. Section 06 41 00 Architectural Wood Casework.
- 1.3 REFERENCES
- A. ASTM International (ASTM):
1. ASTM E 90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
 2. ASTM E 119 - Standard Test Methods for Fire Tests of Building Construction and Materials.
 3. ASTM E 413 - Classification for Rating Sound Insulation.
 4. ASTM F 1233 - Standard Test Method for Security Glazing Materials and Systems.
 5. ASTM E 1332 - Standard Classification for Rating Outdoor-Indoor Sound Attenuation.
- B. International Organization for Standardization (ISO):
1. ISO 9001:2015 - Quality Management System.
- C. National Institute of Justice Ballistic Standards (NIJ):
1. NJ Standard 0108.01.
- D. Small Business Administration (SBA):
1. SBA Small Business Size Standard.
- E. Underwriters Laboratories (UL):
1. UL 752 Specifications and Ammunition, 12th Edition, Standard for Bullet Resisting Equipment published September 9, 2005, revised December 21, 2006.
- 1.4 SUBMITTALS
- A. Submit under provisions of Section 01 30 00 - Administrative Requirements. Product Data: Manufacturer's data sheets on each product to be used, including:
1. Preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.
 3. Installation methods.
- B. Shop Drawings: Details of installation of bullet resistant fiberglass panels.
- C. Certificates: Submit printed data to indicate compliance with following requirements.
1. UL Listing Verification and UL752 Current Test Results as provided by Underwriters Laboratories.
 2. ASTM E 119.
 3. ASTM F 1233.
 4. ASTM E 90.
 5. ASTM E 413.
 6. ASTM E 1332.
 7. Manufacturer's third party certificate of registration with ISO 9001:2008.
 8. Manufacturer's U.S. Dept. of State I TAR Statement of Registration.
 9. Manufacturer's SBA Profile verifying small business status by the SBA.
- D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.
- 1.5 QUALITY ASSURANCE
- A. Sourcing: Panels manufactured in the United States of America with raw materials sourced from the U.S.A. for quality assurance purposes and to comply with any applicable "Buy American" provisions.
- B. Manufacturer Qualifications: minimum 5-year experience manufacturing similar products. Installer Qualifications: Minimum 2 year experience installing similar products.
1. Mock-Up: Provide a limited mock up of installation for evaluation of surface preparation techniques and application workmanship. Finish areas designated by Architect. Do not proceed with remaining work until workmanship is approved by Architect.
- 1.6 PRE-INSTALLATION MEETINGS
- A. Convene minimum two weeks prior to starting work of this section.
- 1.7 DELIVERY, STORAGE, HANDLING AND SEQUENCING
- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation. Deliver materials to project with manufacturer's UL Listed labels intact and legible. Handle material with care to prevent damage. Store materials inside under cover, stack flat and off the floor. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
- 1.8 PROJECT CONDITIONS
- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
- 1.9 WARRANTY
- A. Provide manufacturer's standard limited warranty for materials and workmanship against defects for a period of ten years from the date of Substantial Completion.
- PART 2 PRODUCTS
- 2.1 MANUFACTURERS
- A. Acceptable Manufacturer: ArmorCore by Waco Composites, which is located at: P. O. Box 20008; Waco, TX 76702-0008; Toll Free Tel: 866-888-3088; Tel: 254-752-3622; Fax: 254-752-3634; Email: requestinfo@armorcore.com; Web: www.armorcore.com
- B. Substitutions: Upon review and approval during bid process only.
- 2.2 BULLET RESISTANT PANELS
- A. General: Bullet Resistant Fiberglass Panels shall be "non-ricochet type" to permit the encapture and retention of an attacking projectile lessening the potential of a random injury or lateral penetration. Bullet resistance of joints: Equal to that of the panel.
- B. Product: Panels shall be fabricated of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into flat rigid sheets as manufactured by Waco Composites.

- C. Panel Product: ArmorCore Level 3.
1. Panel Rating: UL752 Level 3.
 2. Armor Type: NJ Standard 0108.01 - Type IIIa.
 3. Physical Characteristics: 7/16 inch (11.1 mm) thick, 4.8 lbs. per sq.ft. (23.4 kg per sq. m).
 4. Panel Size: Maximum size to limit number of seams.
- PART 3 EXECUTION
- 3.1 EXAMINATION
- A. Do not begin installation until substrates have been properly prepared. Prior to starting installation, verify work of related trades required in contract documents and architectural drawings is complete to the point where work of this Section may properly commence. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- 3.2 PREPARATION
- A. Clean surfaces thoroughly prior to installation. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- 3.3 INSTALLATION
- A. Do not begin installation with manufacturer's instructions and in proper relationship with adjacent construction. Reinforce joints with a back-up layer of bullet resistive material. Minimum width of reinforcing layer at joint shall be 4 inches (102 mm), centered on panel joints.
- B. Install panels in accordance with manufacturer's printed recommendations and as required by contract documents. Secure armor panels using screws, bolts, or an industrial adhesive. Method of application shall install panels minimizing vulnerabilities by fitting tightly to adjacent surfaces including concrete floor slab, and other assemblies.
- 3.4 PROTECTION
- A. Protect installed products until completion of project. Touch-up, repair or replace damaged products before Substantial Completion.
- END OF SECTION



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Project
EAST FORK JUSTICE COURT REMODEL

1625 WATER STREET
 MINDEN, NV 89423

Job No: 19-018.00

Owner
DOUGLAS COUNTY

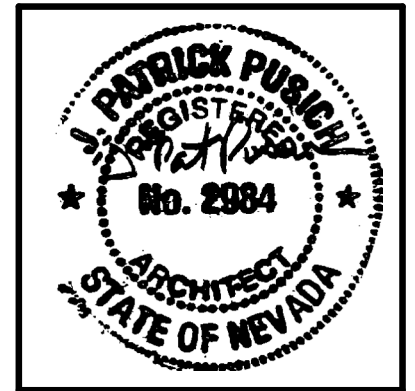
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REV	DATE	

Sheet Title
PROJECT SPECIFICATIONS

Date: 10/11/2019
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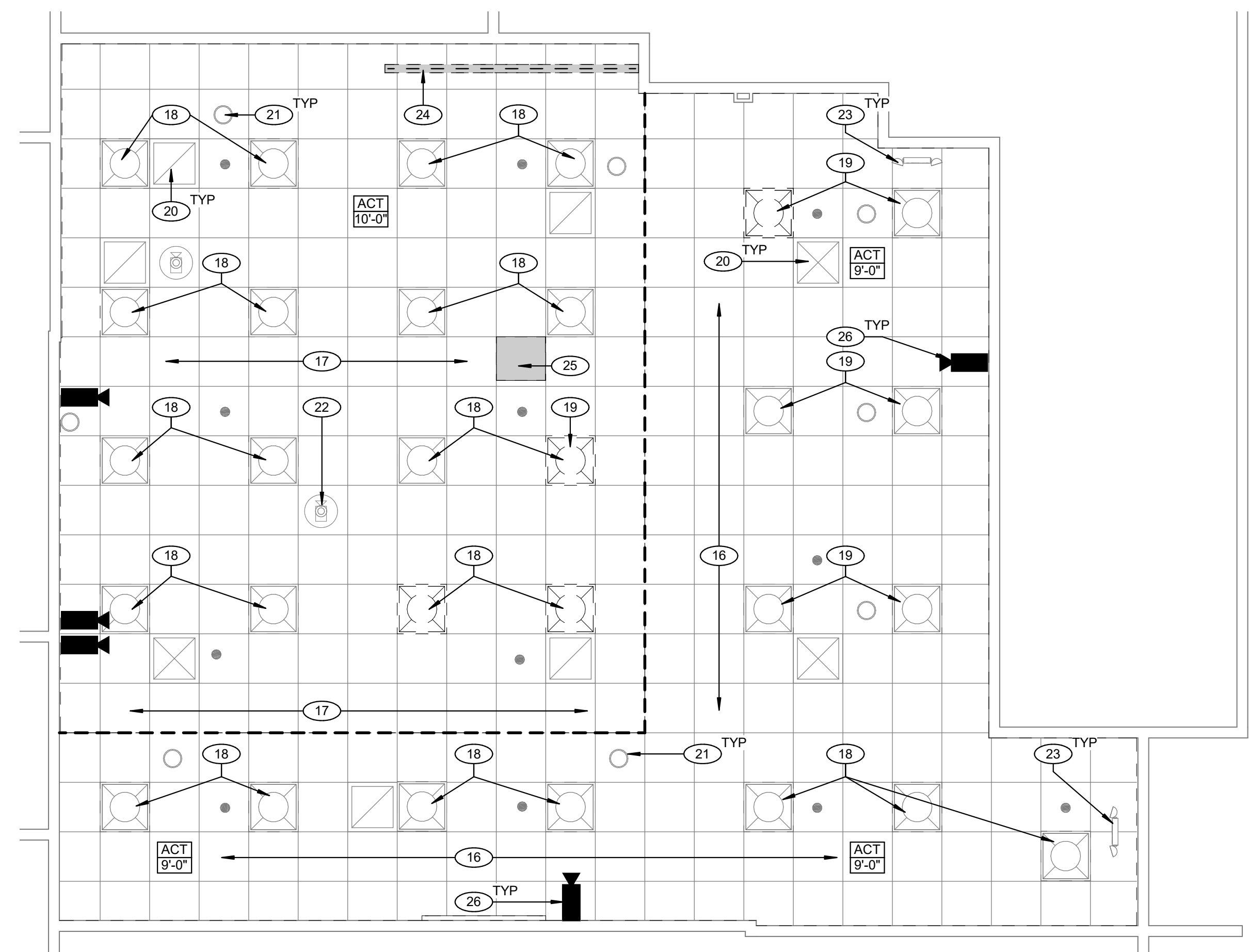
Sheet Title
DEMO FLOOR PLAN & RCP

Date: 10/11/2019
 Sheet No:

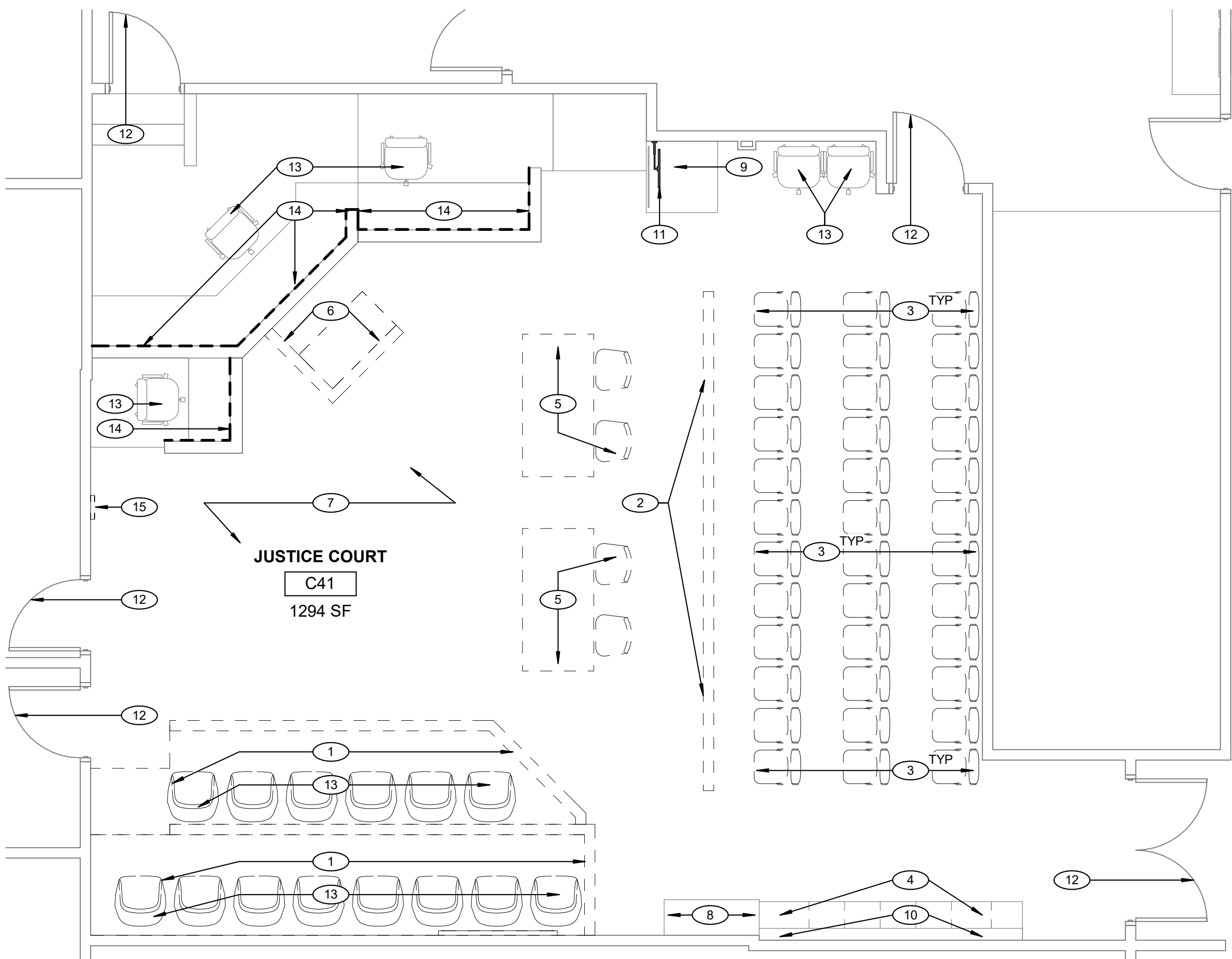
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- GENERAL NOTES**
- EXISTING DRAWINGS ARE NOT AVAILABLE FOR THIS BUILDING. THE GENERAL CONTRACTOR SHALL DO EXPLORATORY FIELD INVESTIGATION AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN A TIMELY MANNER.
 - ALL NEW WORK TO CONFORM TO THE COUNTY DESIGN AND CONSTRUCTION STANDARDS.
 - FIRE ALARM DRAWINGS AND FIRE SPRINKLER DRAWINGS ARE A SEPARATE PERMIT SUBMITTAL BY THE GENERAL CONTRACTOR AND ARE TO BE SUBMITTED TIMELY SO AS NOT TO IMPACT THE CONSTRUCTION SCHEDULE.
 - THESE DRAWINGS (ALL DISCIPLINES) ARE A COHESIVE SET OF DRAWINGS. EACH TRADE SHALL REVIEW ALL ARCHITECTURAL AND ENGINEERED DRAWINGS FOR INFORMATION THAT CROSSES OVER VARIOUS TRADES.
 - CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND CONFIRM EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
 - CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH CONTRACT DOCUMENTS AS SOON AS POSSIBLE.
 - REFER TO WALL TYPE AND LIFE SAFETY DRAWINGS FOR RATING SEPARATIONS AND UL RATED DESIGN DRAWINGS FOR REQUIRED FIRE RESISTIVE CONSTRUCTION.
 - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - ALL DIMENSIONS ARE TAKEN FROM FACE-OF-FINISH TO FACE-OF-FINISH UNLESS NOTED OTHERWISE.
 - CENTER ALL FIRE SPRINKLER HEADS IN CENTER OF TILE.
 - FINISH FLOOR FOR PROJECT IS 0'-0".

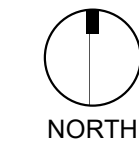
- KEYNOTES**
- EXISTING JURY BOX TO BE REMOVED IN ITS ENTIRETY INCLUDING RAISED FLOORS, PONY WALLS, DESK AND FLOOR MOUNTED CHAIRS.
 - EXISTING PONY WALL TO BE DEMOLISHED.
 - EXISTING SPECTATOR SEATS TO BE REMOVED.
 - EXISTING BENCH SEATING TO REMAIN PROTECTED IN PLACE.
 - EXISTING DEFENDANT AND PLAINTIFF CHAIRS AND DESKS TO BE RELOCATED BY COUNTY.
 - EXISTING COURT REPORTER STAND TO BE REMOVED IN ITS ENTIRETY. DESK TO BE PRESERVED THROUGHOUT DEMOLITION AND OFFERED TO OWNER. PATCH AND REPAIR ADJACENT MILLWORK AT CONNECTION.
 - EXISTING FINISH FLOORING TO BE REMOVED AND REPLACED. SEE MATERIALS SCHEDULE.
 - EXISTING STORAGE CABINET TO BE REMOVED AND REPLACED UPON COMPLETION OF NEW WORK.
 - EXISTING PODIUM TO REMAIN PROTECTED IN PLACE.
 - EXISTING PADDED 4" WALL PROTECTOR/BENCH SEAT CUSHION TO REMAIN PROTECTED IN PLACE.
 - EXISTING WALL MOUNTED COMPUTER TO BE REMOVED THROUGHOUT DURATION OF WORK. WALL TO BE REPAIRED AND FINISHED TO MATCH ADJACENT. REINSTALL MONITOR UPON COMPLETION.
 - EXISTING DOOR AND FRAME. SEE DOOR SCHEDULE FOR NEW WORK.
 - EXISTING OWNER FURNITURE TO BE REMOVED BY COUNTY.
 - BACK OF EXISTING BENCH AND ADMINISTRATOR DESK TO HAVE PANELING AND ELECTRICAL REMOVED TO INSTALL NEW BALLISTICS PANEL (LEVEL 3) INSTRUCTOR AND REINSTALL ELECTRICAL UPON COMPLETION.
 - EXISTING WALL MOUNTED CLOCK TO BE RELOCATED IN PREPARATION OF RELOCATED TV BY OTHER CONTRACT. WALL TO BE REPAIRED AND FINISHED TO MATCH ADJACENT.
 - EXISTING ACOUSTICAL CEILING TILE OFFER TO BE DEMOLISHED.
 - EXISTING ACOUSTICAL CEILING TILE SYSTEM TO BE DEMOLISHED.
 - EXISTING LIGHT FIXTURE TO BE REMOVED DURING WORK, PROTECTED AND REINSTALLED UPON COMPLETION.
 - EXISTING LIGHT FIXTURE TO BE REMOVED DURING WORK, PROTECTED AND RELOCATED UPON COMPLETION.
 - EXISTING MECHANICAL FIXTURE TO BE REMOVED DURING WORK, PROTECTED AND REINSTALLED UPON COMPLETION.
 - EXISTING SPEAKER TO BE REMOVED DURING WORK, PROTECTED AND REINSTALLED UPON COMPLETION.
 - EXISTING DOME SECURITY CAMERA TO BE REMOVED DURING WORK, PROTECTED AND REINSTALLED UPON COMPLETION.
 - EXISTING EMERGENCY EXIT LIGHTS TO BE REMOVED DURING WORK, PROTECTED AND REINSTALLED UPON COMPLETION.
 - EXISTING PROJECTOR SCREEN TO BE REMOVED.
 - EXISTING PROJECTOR TO BE REMOVED.
 - EXISTING SECURITY CAMERA TO BE REMOVED DURING WORK, PROTECTED AND REINSTALLED UPON COMPLETION.

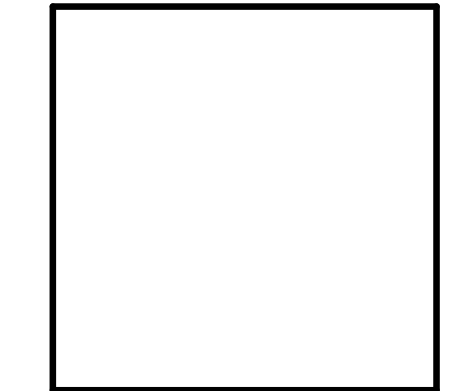


2 DEMO REFLECTED CEILING PLAN
 SCALE: 1/4" = 1'-0"



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





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EAST FORK JUSTICE COURT REMODEL

1625 WATER STREET
 MINDEN, NV 89423

Job No: 19-018.00

Owner
DOUGLAS COUNTY

CONSTRUCTION ISSUE

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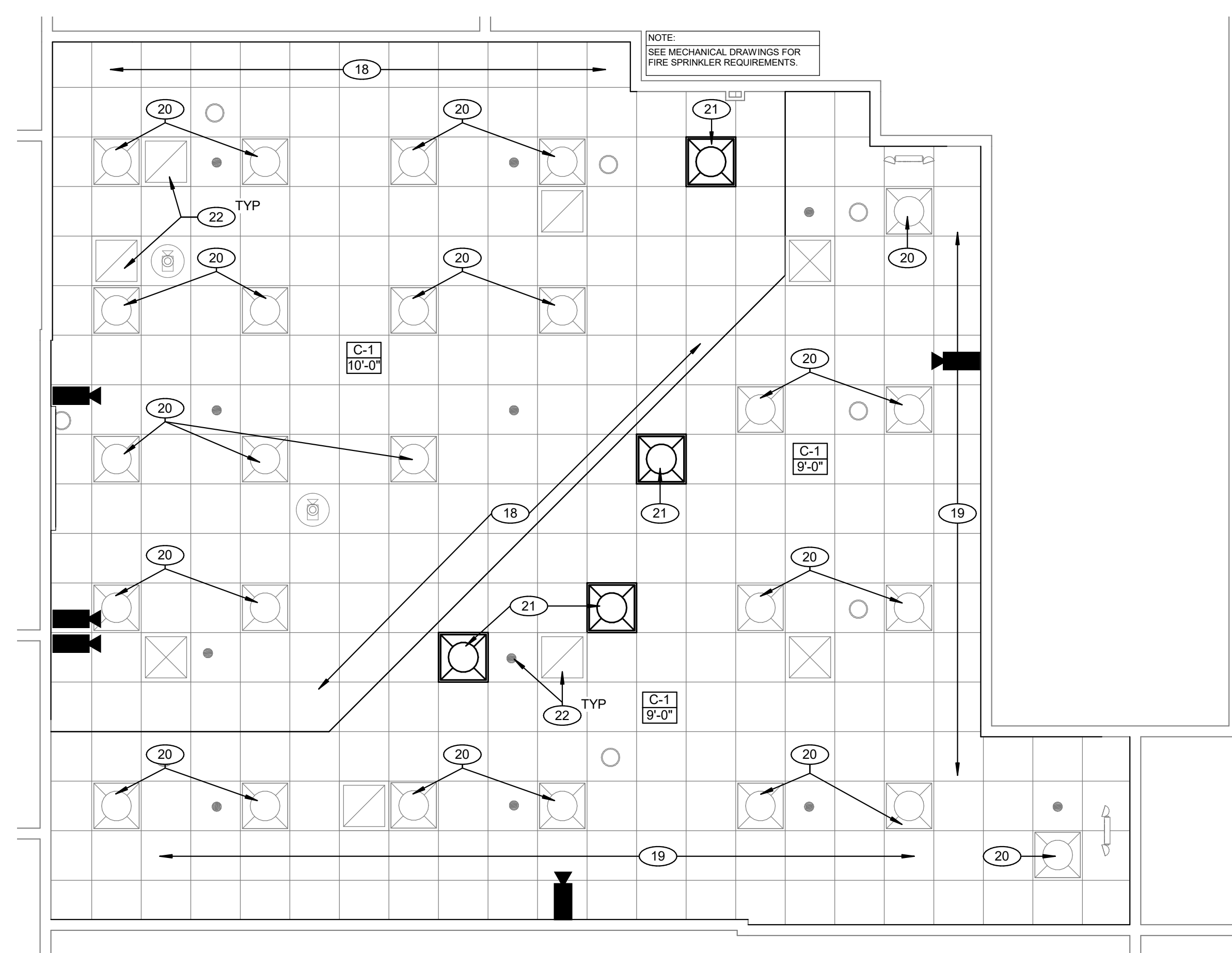
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FLOOR PLAN & RCP

Date: 10/11/2019
 Sheet No:

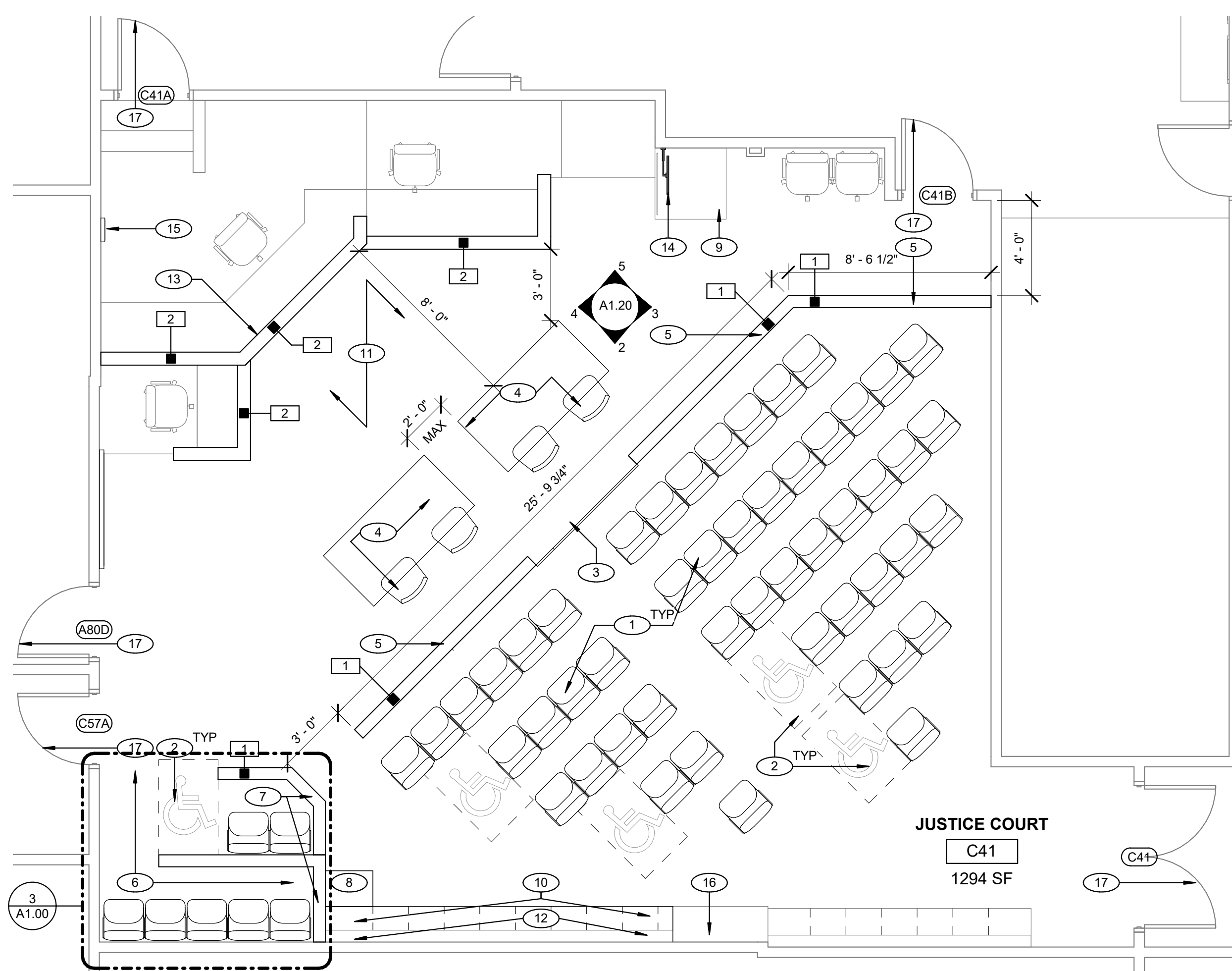
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- GENERAL NOTES**
- EXISTING DRAWINGS - ARE NOT AVAILABLE FOR THIS BUILDING. THE GENERAL CONTRACTOR SHALL DO EXPLORATORY FIELD INVESTIGATION AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN A TIMELY MANNER.
 - ALL NEW WORK TO CONFORM TO THE COUNTY DESIGN AND CONSTRUCTION STANDARDS.
 - FIRE ALARM DRAWINGS AND FIRE SPRINKLER DRAWINGS ARE A SEPARATE PERMIT SUBMITTAL BY THE GENERAL CONTRACTOR AND ARE TO BE SUBMITTED TIMELY SO AS NOT TO IMPACT THE CONSTRUCTION SCHEDULE.
 - THESE DRAWINGS (ALL DISCIPLINES) ARE A COHESIVE SET OF DRAWINGS. EACH TRADE SHALL REVIEW ALL ARCHITECTURAL AND ENGINEERED DRAWINGS FOR INFORMATION THAT CROSSES OVER VARIOUS TRADES.
 - CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND CONFIRM EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
 - CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH CONTRACT DOCUMENTS AS SOON AS POSSIBLE.
 - REFER TO WALL TYPE AND LIFE SAFETY DRAWINGS FOR RATING SEPARATIONS AND UL RATED DESIGN DRAWINGS FOR REQUIRED FIRE RESISTIVE CONSTRUCTION.
 - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - ALL DIMENSIONS ARE TAKEN FROM FACE-OF-FINISH TO FACE-OF-FINISH UNLESS NOTED OTHERWISE.
 - CENTER ALL FIRE SPRINKLER HEADS IN CENTER OF TILE.
 - FINISH FLOOR FOR PROJECT IS 0'-0".

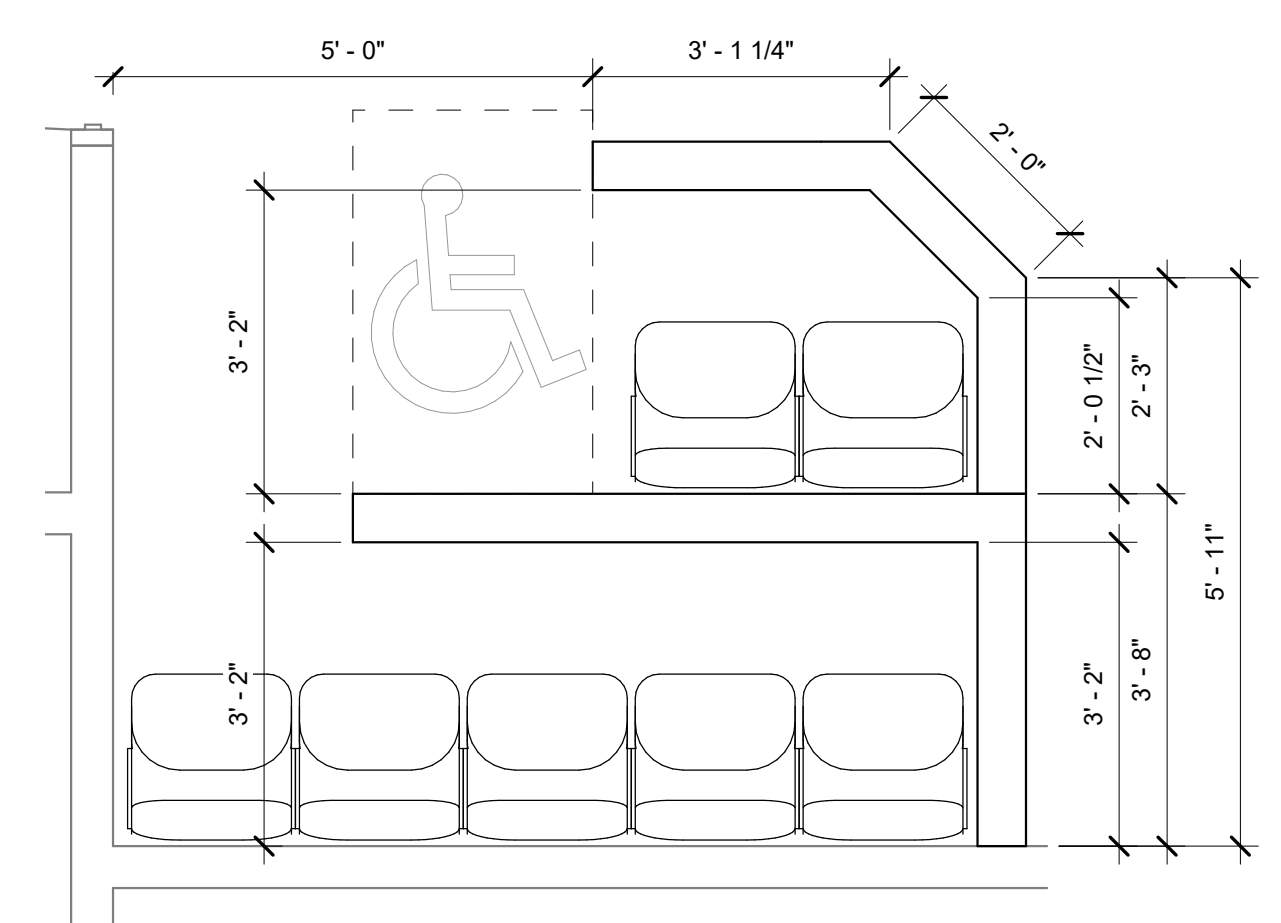
- KEYNOTES**
- NEW FLOOR MOUNTED SPECTATOR SEATING TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED. SEE SPECIFICATIONS.
 - NEW DESIGNATED ADA SPACES AND COMPANION SEAT.
 - NEW MANGATE TO MAINTAIN SEPARATION BETWEEN SPECTATORS, DEFENDANT AND PLAINTIFF. SEE ELEVATIONS AND SPECIFICATIONS.
 - RELOCATED DEFENDANT AND PLAINTIFF CHAIRS AND DESKS PLACED NO MORE THAN 2' APART TO ENCOURAGE THE DEFENDANT AND PLAINTIFF TO GO AROUND THE TABLES AWAY FROM EACH OTHER WHEN CALLED TO THE STAND.
 - NEW PONY WALL IN PLACE TO SEPARATE SPECTATORS FROM COURTROOM PARTICIPANTS AND PRIVATE OFFICES. SEE SECTIONS, INTERIOR ELEVATIONS AND WALL TYPES.
 - NEW FINISH FLOOR TO BE LEVELED WITH SURROUNDING COURTROOM SURFACES. SEE FINISH PLAN AND MATERIALS SCHEDULE.
 - NEW DIVIDING WALLS COMPLETE JURY BOX INCLUDING 7 FLOOR MOUNTED CHAIRS TO ALLOW FOR 6 JURORS, 1 ALTERNATE AND IF NECESSARY AN ADA SPACE AND COMPANION SEAT.
 - NEW OWNER PROVIDED CONTRACTOR INSTALLED HINGED COLLAPSIBLE DESK MOUNTED AT 29". SEE SCHEDULES, INTERIOR ELEVATIONS, DETAIL 4/12.00, DETAIL 5/A2.00 AND SPECIFICATIONS.
 - NEW OWNER PROVIDED CONTRACTOR INSTALLED STANDING DESK FOR COURT REPORTER MOUNTED AT 44". SEE SCHEDULES, INTERIOR ELEVATIONS AND DETAILS.
 - NEW OWNER PROVIDED CONTRACTOR INSTALLED BENCH SEATING TO MATCH EXISTING. SEE SPECIFICATIONS AND INTERIOR ELEVATIONS.
 - NEW FINISH FLOOR THROUGHOUT COURTROOM. SEE MATERIALS SCHEDULE AND FINISH PLAN.
 - NEW PADDED 4" WALL PROTECTOR/BENCH SEAT CUSHION TO MATCH EXISTING.
 - NEW 7/16" THICK LEVEL 3 ARMOR CORE FIBERGLASS BALLISTIC PANEL INSTALLED ON BACKSIDE OF JUDGE'S BENCH FOR SECURITY PURPOSES/ SEE DETAILS AND SPECIFICATIONS. CONTRACTOR TO REMOVE ALL ELECTRICAL EQUIPMENT ON DESKS PRIOR TO BEGINNING WORK, STORE SAFELY AND REINSTALL UPON COMPLETION.
 - WALL MOUNTED COMPUTER REINSTALLED AT EXISTING LOCATION UPON COMPLETION OF WORK.
 - WALL MOUNTED CLOCK RELOCATED UPON COMPLETION OF WORK.
 - EXISTING CABINET/FURNITURE TO BE REINSTALLED UPON COMPLETION OF NEW WORK.
 - EXISTING DOOR AND FRAME. SEE DOOR SCHEDULE FOR NEW WORK.
 - NEW ACOUSTICAL CEILING TILE SYSTEM. GRID TO BE PAINTED TO MATCH TILES. SEE MATERIALS SCHEDULE, DETAILS AND SPECIFICATIONS.
 - NEW ACOUSTICAL CEILING TILE SYSTEM DROP DOWN COFFER. GRID TO BE PAINTED TO MATCH. SEE MATERIALS SCHEDULE, SPECIFICATION AND DETAILS.
 - EXISTING LIGHT FIXTURES REINSTALLED IN PLACE. SEE ELECTRICAL DRAWINGS.
 - RELOCATED EXISTING LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
 - EXISTING MECHANICAL EQUIPMENT REINSTALLED IN PLACE. SEE FIRE AND MECHANICAL DRAWINGS.



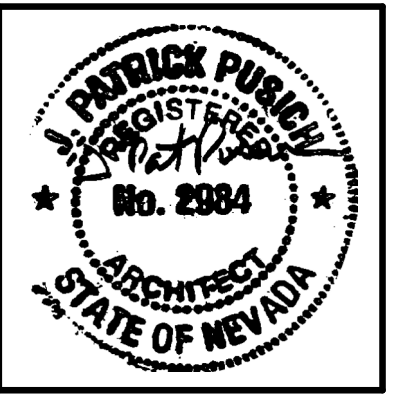
2 REFLECTED CEILING PLAN
 SCALE: 1/4" = 1'-0"



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



3 ENLARGED JURY BOX
 SCALE: 1/2" = 1'-0"



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Project
EAST FORK JUSTICE COURT REMODEL

1625 WATER STREET
 MINDEN, NV 89423

Job No: 19-018.00

Owner
DOUGLAS COUNTY

CONSTRUCTION ISSUE

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
FINISH PLAN & INTERIOR ELEVATIONS

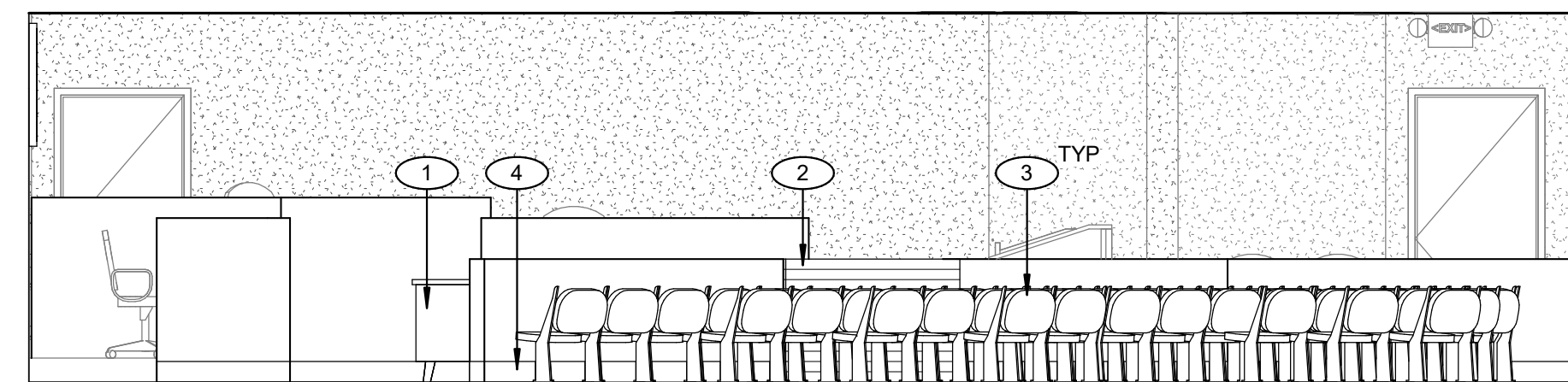
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Sheet No:

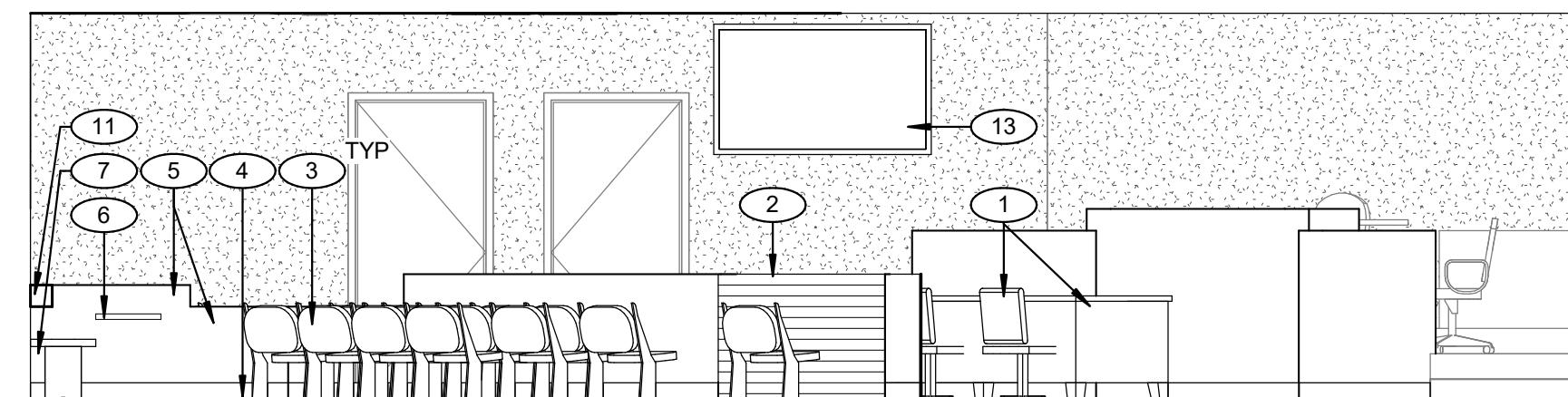
A1.20

- #### GENERAL NOTES
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 - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - ALL DIMENSIONS ARE TAKEN FROM FACE-OF-FINISH TO FACE-OF-FINISH UNLESS NOTED OTHERWISE.
 - CENTER ALL FIRE SPRINKLER HEADS IN CENTER OF TILE.
 - FINISH FLOOR FOR PROJECT IS 0'-0".

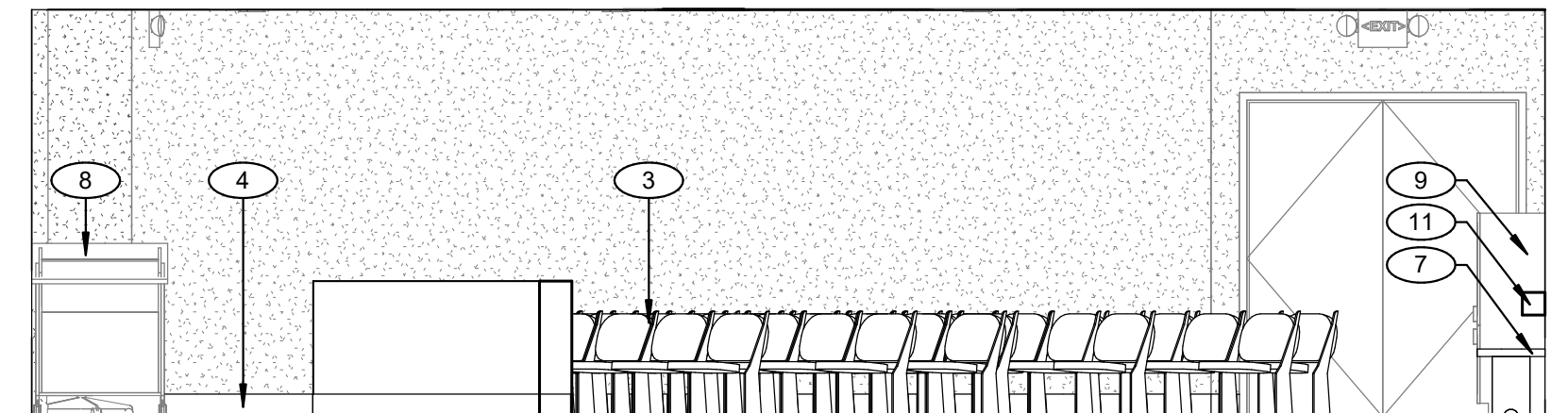
- #### KEYNOTES
- RELOCATED PLAINTIFF AND DEFENDANT DESKS AND CHAIRS.
 - NEW MANGATE TO MAINTAIN SEPARATION BETWEEN SPECTATORS, DEFENDANT AND PLAINTIFF. SEE SPECIFICATIONS.
 - NEW FLOOR MOUNTED SPECTATOR SEATING TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED. SEE SPECIFICATIONS.
 - NEW 6" RUBBER BASE. SEE MATERIALS SCHEDULE.
 - NEW DIVIDING WALLS COMPLETE JURY BOX INCLUDING 7 FLOOR MOUNTED CHAIRS TO ALLOW FOR 6 JURORS, 1 ALTERNATE AND IF NECESSARY AN ADA SPACE AND COMPANION SEAT.
 - NEW OWNER PROVIDED CONTRACTOR INSTALLED HINGED COLLAPSIBLE DESK MOUNTED AT 27". SEE SCHEDULES AND DETAILS.
 - NEW OWNER CONTRACTOR INSTALLED BENCH SEATING TO MATCH EXISTING. SEE SPECIFICATIONS.
 - NEW OWNER PROVIDED CONTRACTOR INSTALLED STANDING DESK MOUNTED AT 44". SEE SCHEDULES AND DETAILS.
 - EXISTING STORAGE CABINET TO BE REINSTALLED UPON COMPLETION OF NEW WORK.
 - EXISTING BENCH SEATING TO REMAIN PROTECTED IN PLACE.
 - NEW PADDED 4" WALL PROTECTOR/BENCH SEAT CUSHION TO MATCH EXISTING.
 - PATCH WALL FROM RELOCATED VIDEO MONITOR
 - RELOCATED VIDEO MONITOR. SEE ELECTRICAL BRACKET BY OWNER, CONTRACTOR TO INSTALL.



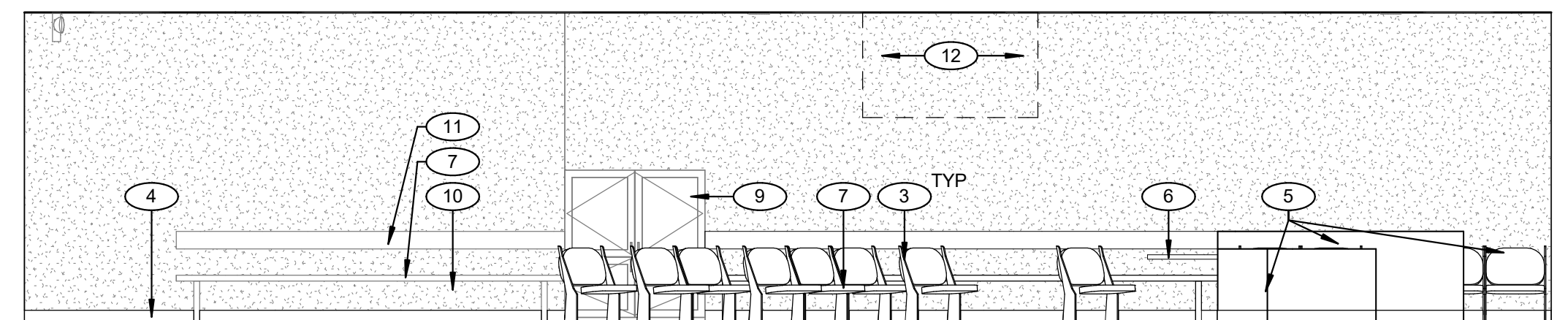
5 NORTH INTERIOR ELEVATION
 SCALE: 1/4" = 1'-0"



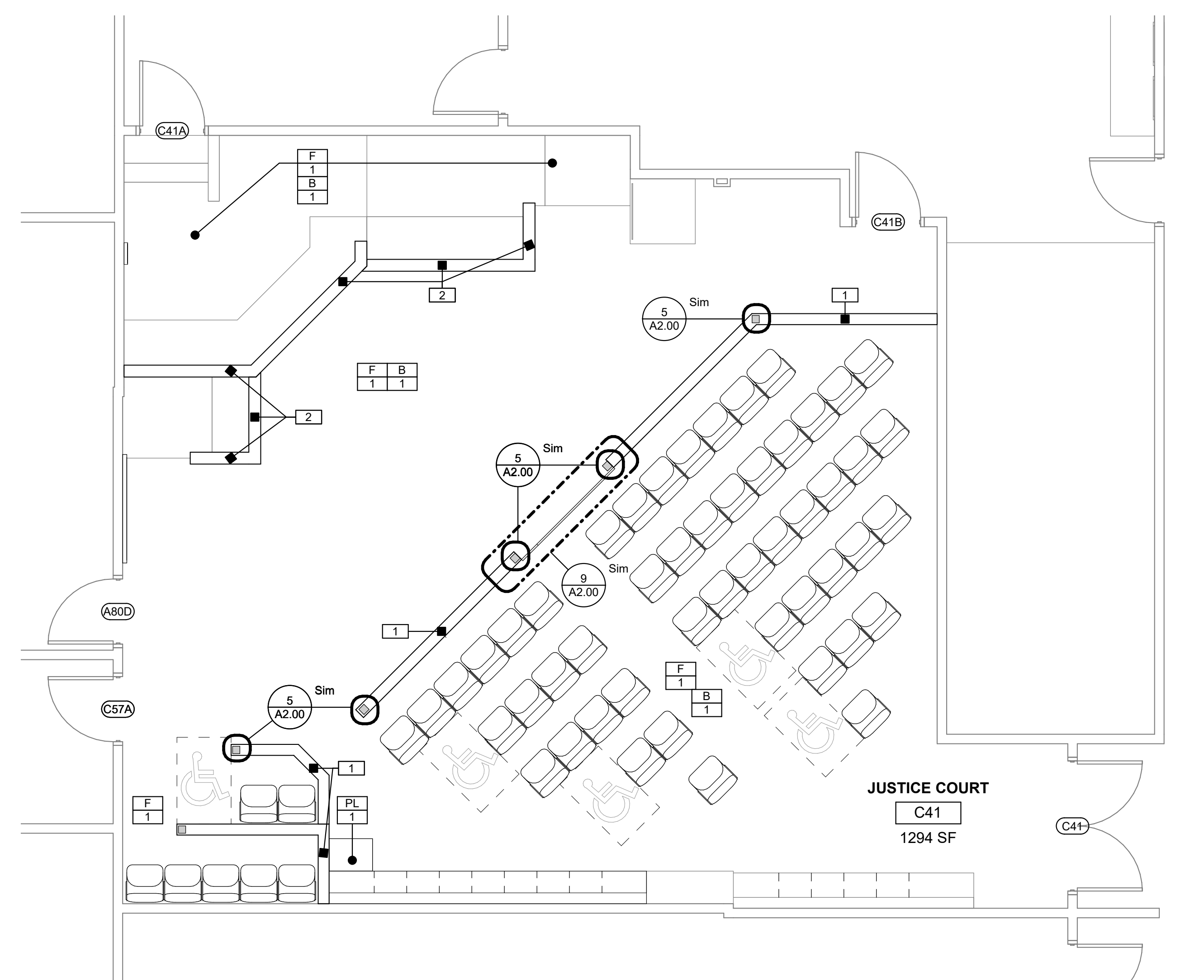
4 WEST INTERIOR ELEVATION
 SCALE: 1/4" = 1'-0"



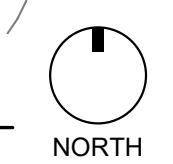
3 EAST INTERIOR ELEVATION
 SCALE: 1/4" = 1'-0"

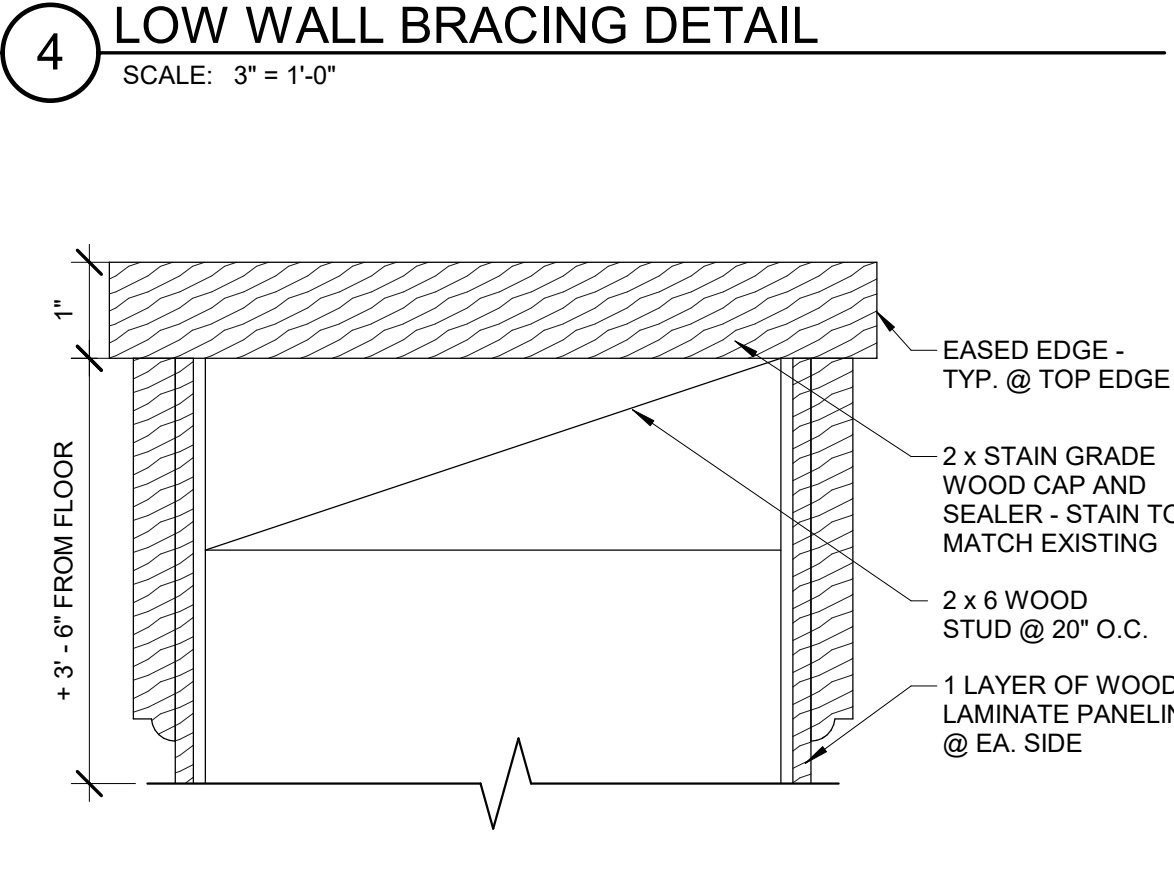
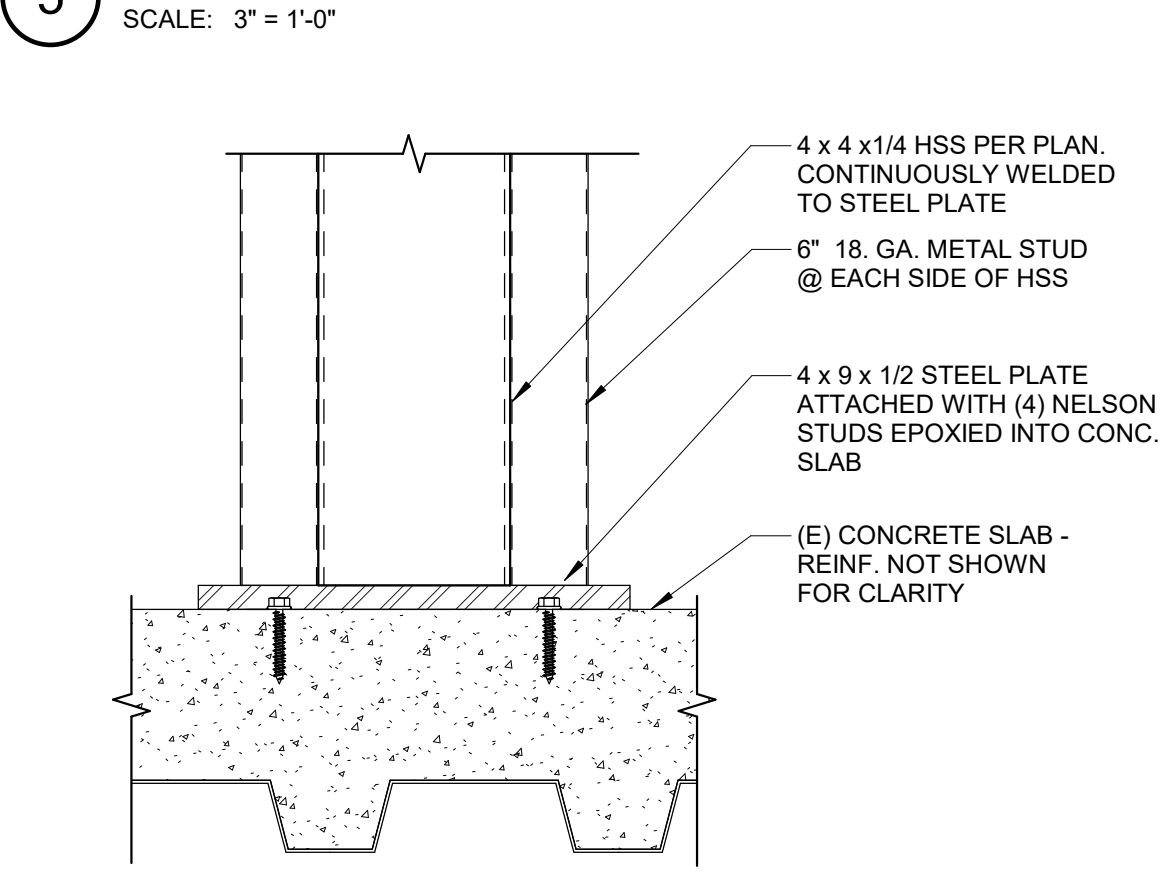
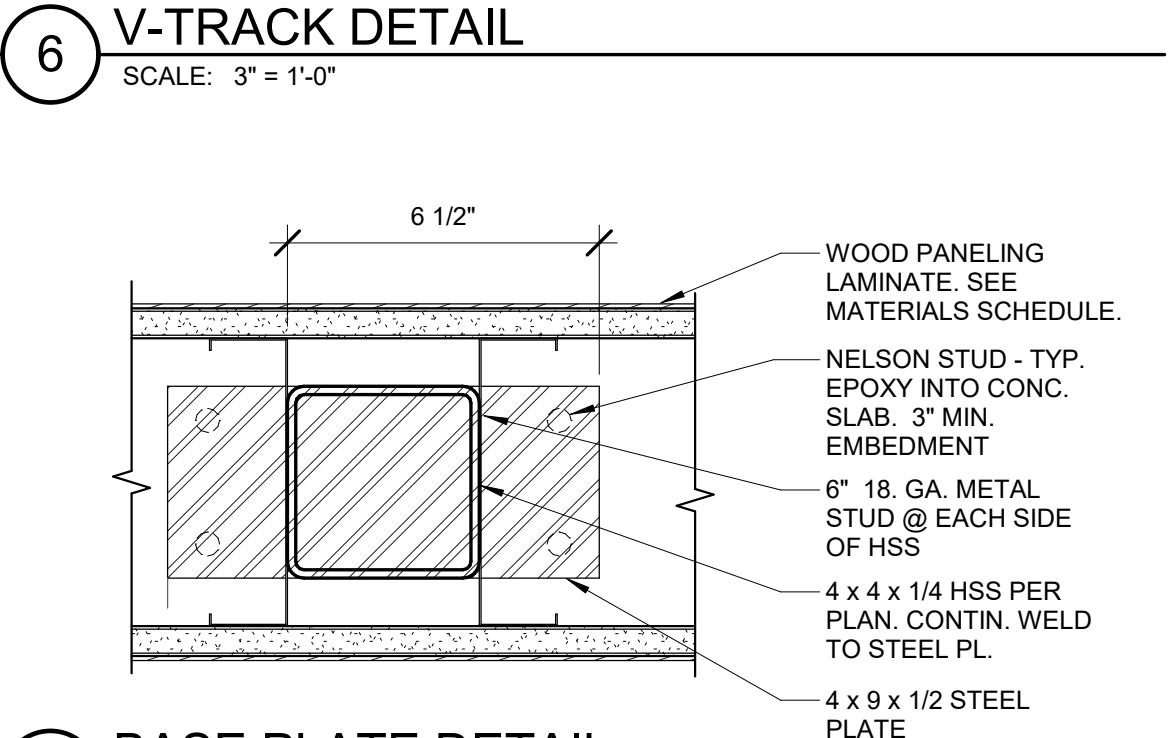
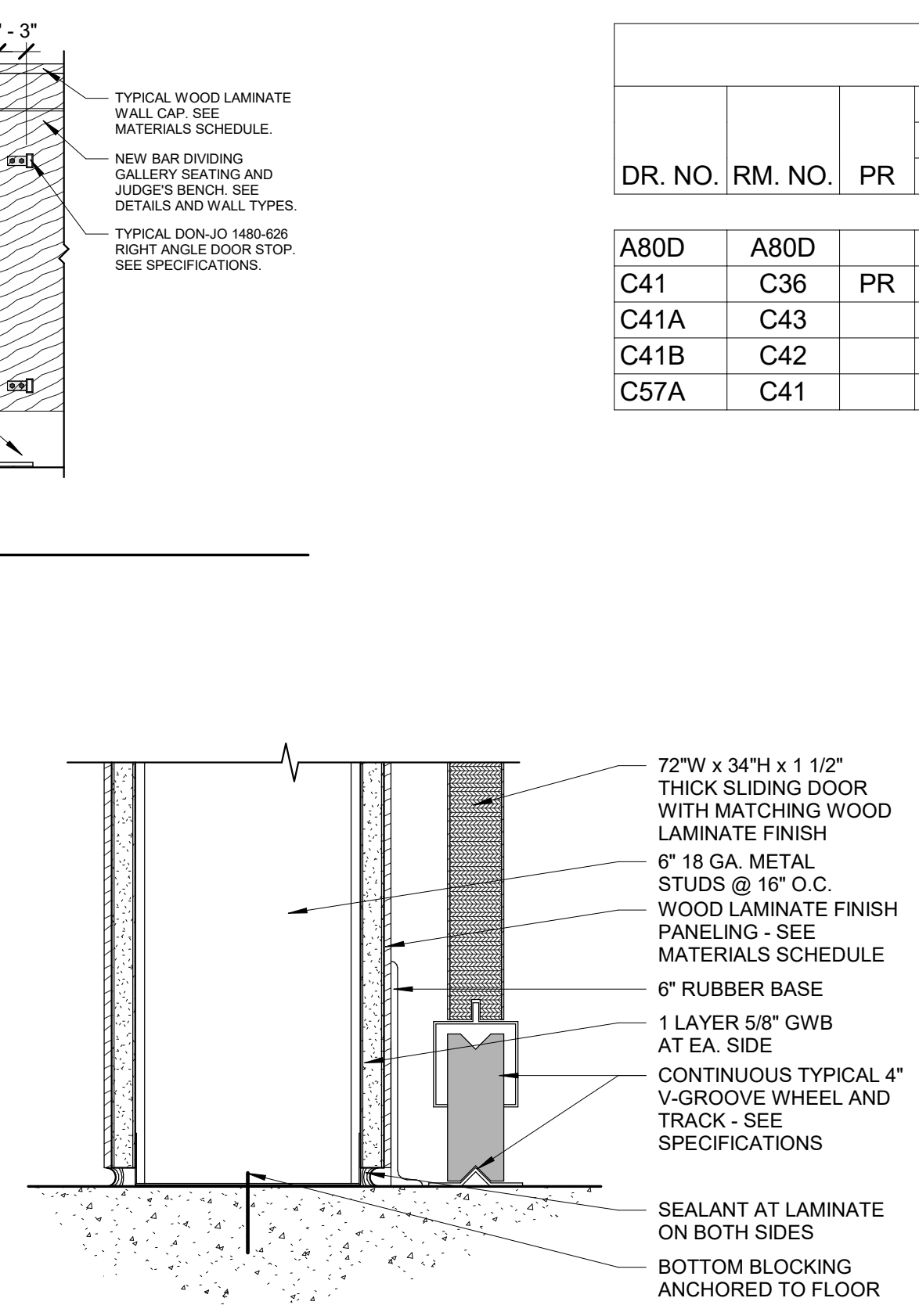
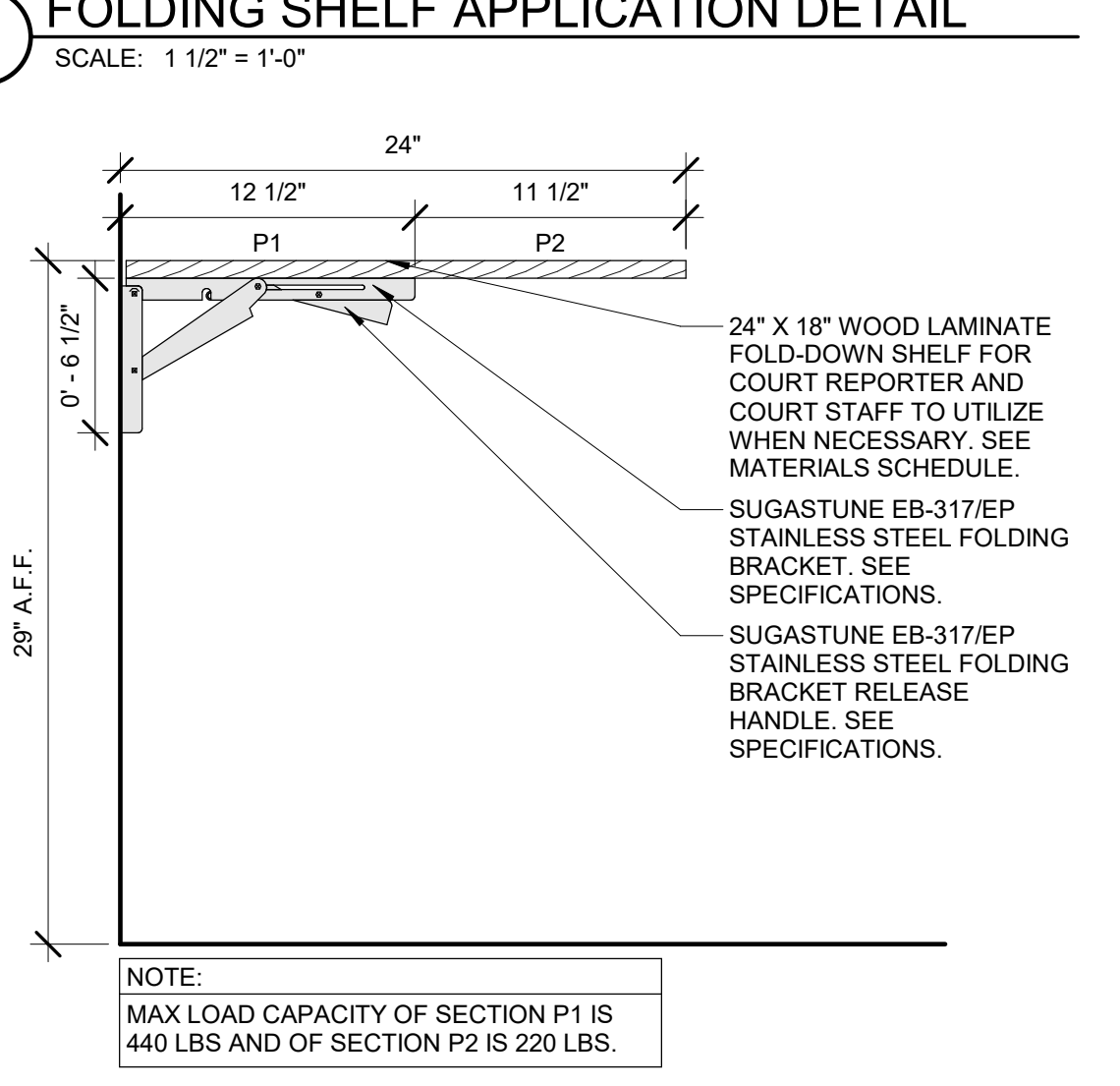
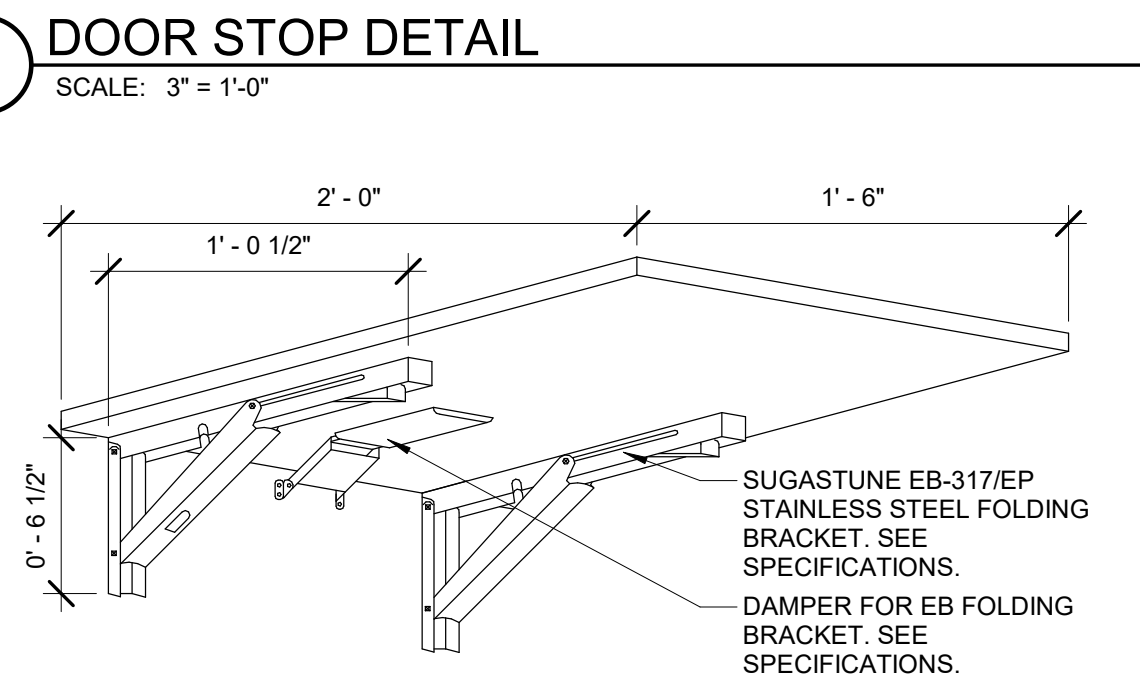
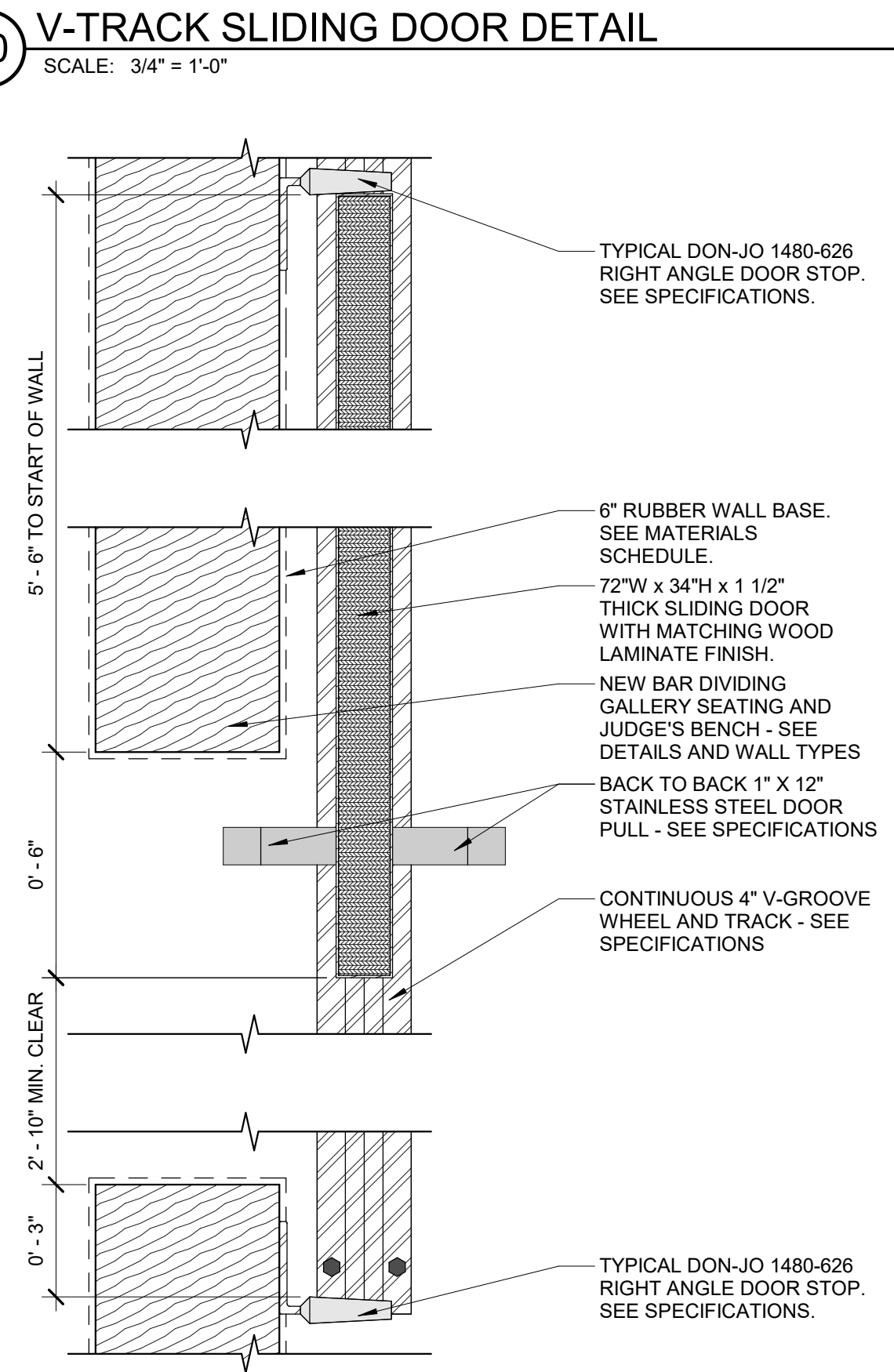
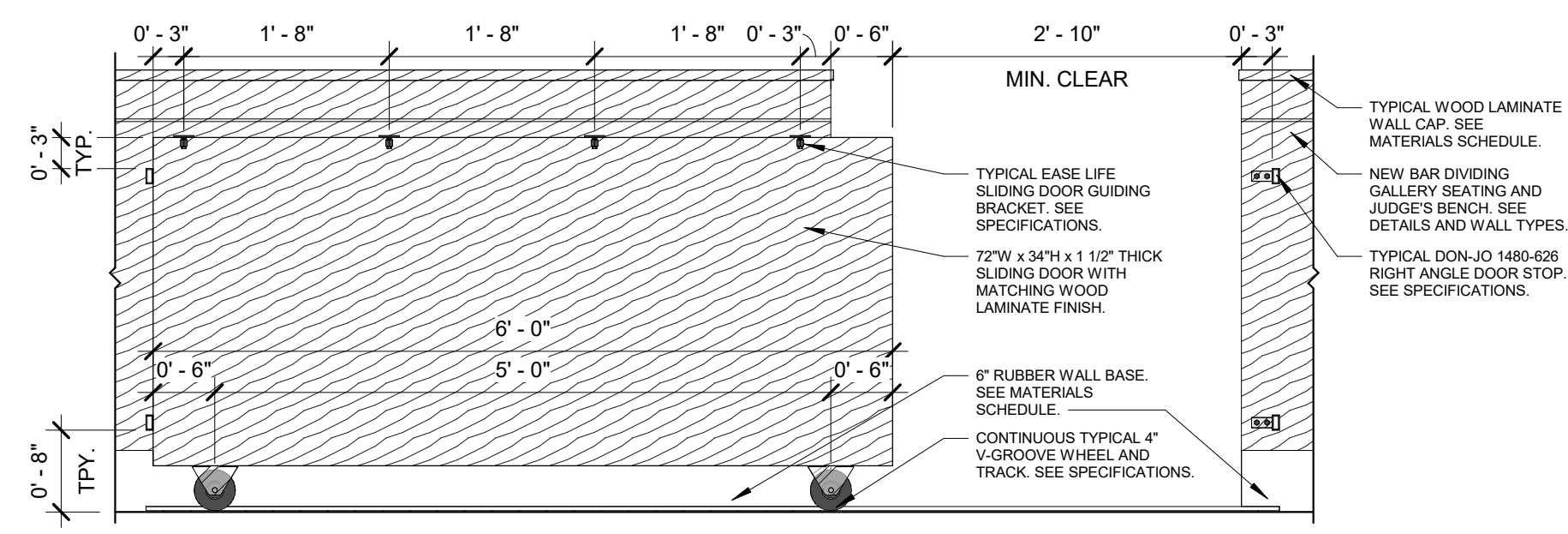


2 SOUTH INTERIOR ELEVATION
 SCALE: 1/4" = 1'-0"



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





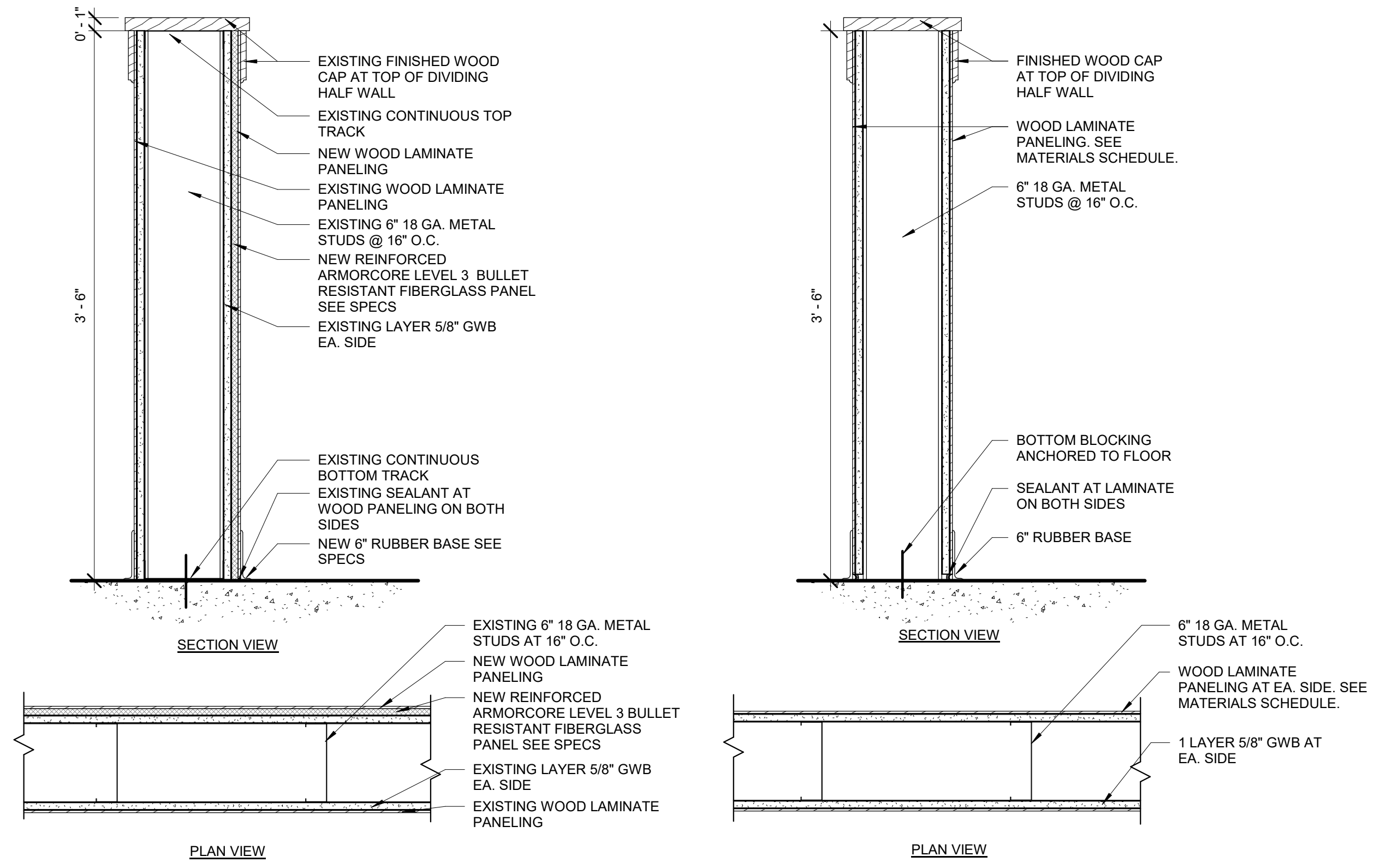
DOOR SCHEDULE															
DR. NO.	RM. NO.	PR	PANEL			FRAME						HDWR	LABEL	REMARKS	
			W	H	T	TYPE	MAT'L	TYPE	MAT'L	HEAD DTL	SILL DTL				JAMB DTL LATCH
A80D	A80D		3' - 0"	7' - 0"	1 3/4"	A	SCWD								REPAINT SOLID WOOD CORE DOOR AND FRAME
C41	C36	PR	3' - 0"	7' - 0"	1 3/4"	A									REPAINT HOLLOW METAL DOOR AND FRAME
C41A	C43		3' - 0"	7' - 0"	1 3/4"	A									REPAINT HOLLOW METAL DOOR AND FRAME
C41B	C42		3' - 0"	7' - 0"	1 3/4"	A									REPAINT HOLLOW METAL DOOR AND FRAME
C57A	C41		3' - 0"	7' - 0"	1 3/4"	A									REPAINT HOLLOW METAL DOOR AND FRAME

MATERIAL SCHEDULE					
KEY	DESCRIPTION	MANUFACTURER (BASIS OF DESIGN)	MODEL NUMBER	COLOR	REMARKS
FLOORING					
F-1	24" X 24" CARPET TILE	MANNINGTON	PALMA 2 - SCENA	4415 EUSTATIA	TO BE ORDERED IN ADVANCE
BASE					
B-1	6" RUBBER WALL BASE	ROPPE	700 SERIES	147 LIGHT BROWN	TO MATCH EXISTING
CEILING					
C-1	ACOUSTICAL CEILING TILE	ARMSTRONG		PC-1	SMOOTH LEVEL 4
MILLWORK					
PL-1	WOODGRAIN LAMINATE	AMERICAN LAMINATE	2019 SAMPLE 2	ALABAMA CHERRY	VIF @ BENCH & FOLDING DESK
WALL					
W-1	PAINTED GYPSUM BOARD	USG		SEE PAINT FINISH SCHEDULE	SMOOTH LEVEL 4
W-2	WOODGRAIN LAMINATE	AMERICAN LAMINATE		ALABAMA CHERRY	VERIFY MATCH

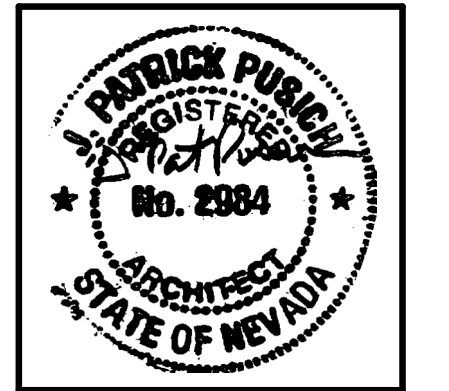
PAINT COLOR SCHEDULE					
KEY	DESCRIPTION	COLOR	LOCATION		
PC-1	WHITE	SW 7000 IBIS WHITE	FEILD COLOR - COURTROOM		
PC-2	GREEN	SW 6213 HALCYON GREEN	ACCENT COLOR - COURTROOM		

NOTE: ALL FINISHES TO BE APPROVED BY OWNER PRIOR TO SUBMITTAL/INSTALLATION

ROOM FINISH SCHEDULE									
Level	ROOM NO.	ROOM NAME	FLOORING		CEILING	WALL			
			MAT'L	BASE	MAT'L	NORTH	WEST	SOUTH	EAST
Level 2	C41	JUSTICE COURT	F-1	B-1	ACT-1	PC-1	PC-1	PC-1	PC-2



tsk
225 South Arlington Avenue ste. A
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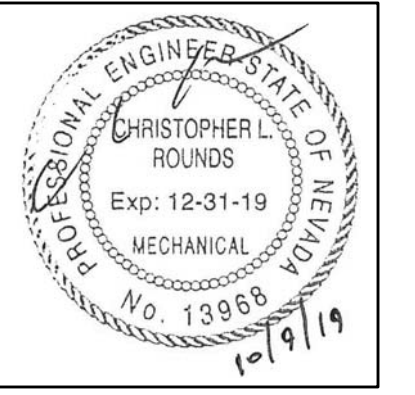
CONSTRUCTION ISSUE

REVISIONS	
REV	DESCRIPTION

Sheet Title
SCHEDULES, WALL TYPES & DETAILS

Date: 10/11/2019
Sheet No:

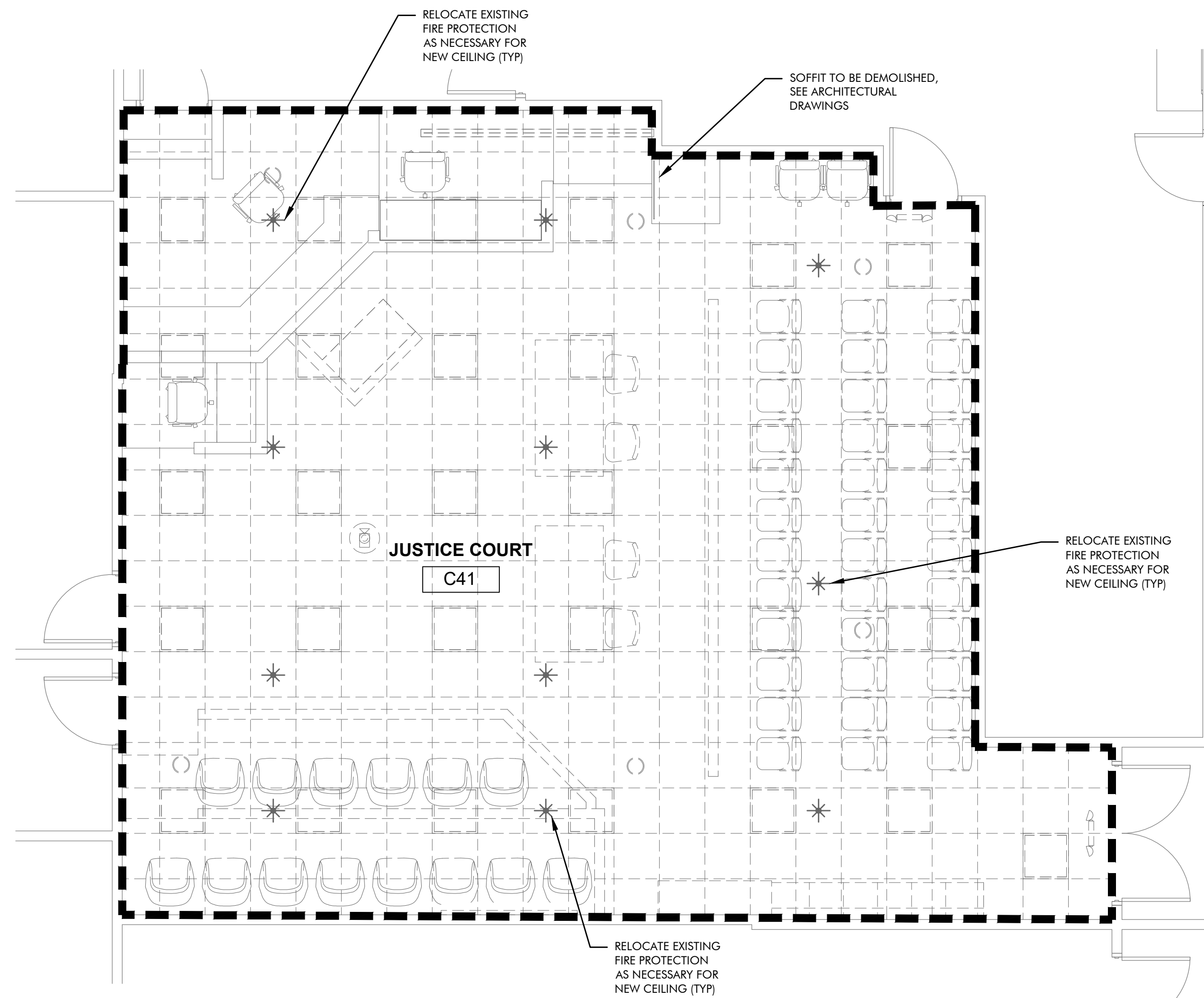
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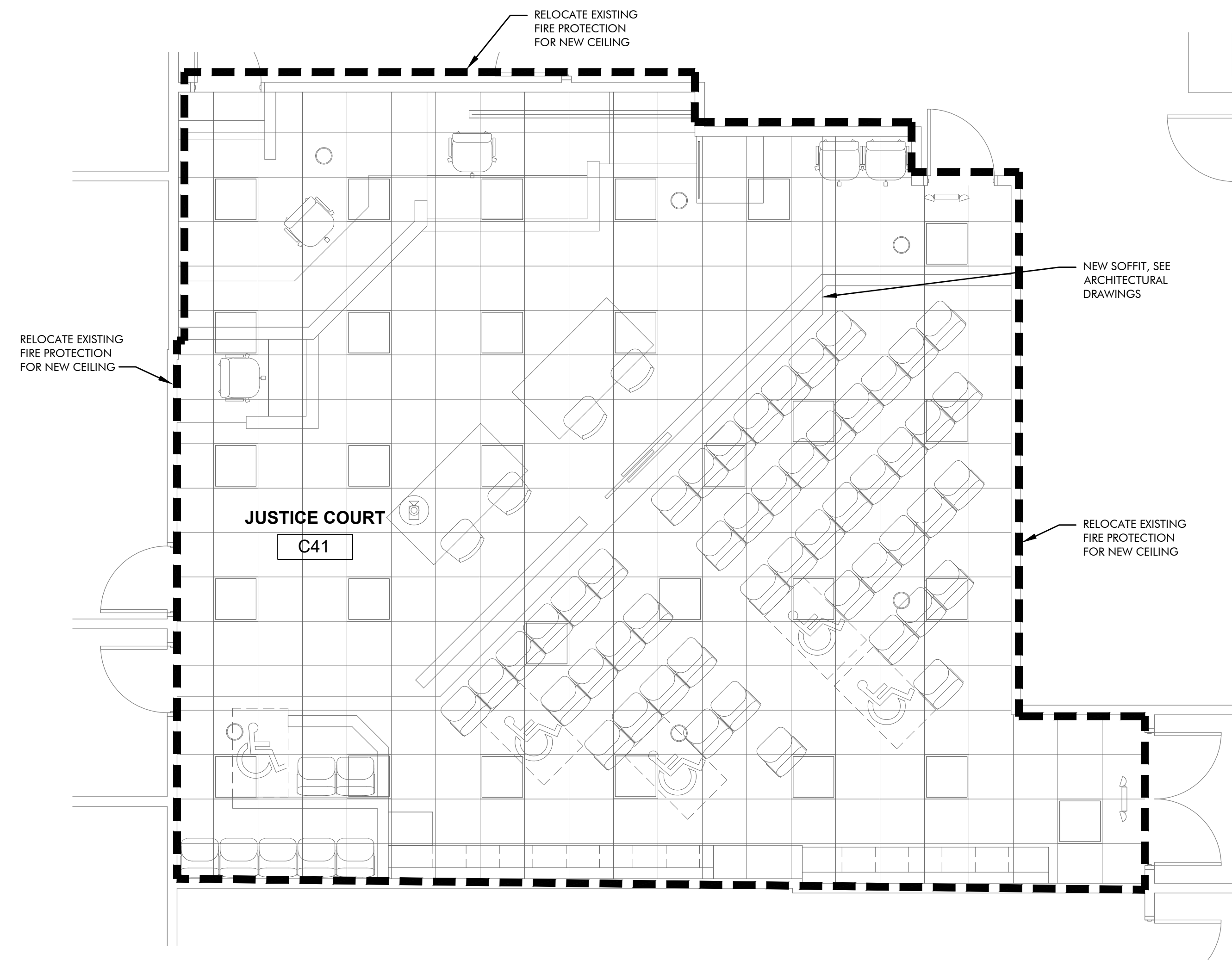
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FIRE PROTECTION SPECIFICATIONS

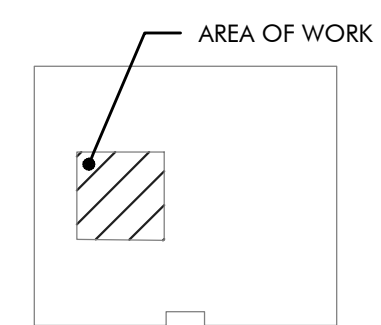
- THIS IS A PERFORMANCE SPECIFICATION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL PERMITS, FEES, DESIGN, MATERIAL, FABRICATION, STORAGE, INSTALLATION AND TESTING FOR A COMPLETE AND OPERABLE FIRE SPRINKLER SYSTEM.
- IT IS THE FIRE PROTECTION CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DOCUMENTS INCLUDING (BUT NOT LIMITED TO) ARCHITECTURAL, CIVIL, ELECTRICAL, PLUMBING, MECHANICAL, AND STRUCTURAL DISCIPLINES WHEN DESIGNING THE FIRE PROTECTION SYSTEM. THE FIRE PROTECTION CONTRACTOR SHALL ACKNOWLEDGE ON THEIR SHOP DRAWINGS THAT THEY HAVE REVIEWED ALL DESIGN DOCUMENTS AS PART OF THE PREPARATION OF THE FIRE PROTECTION SYSTEM DESIGN.
- SYSTEM SHALL MEET THE REQUIREMENTS OF NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 13, 24, THE NATIONAL ELECTRICAL CODE (NEC), AS WELL AS LOCAL BUILDING OFFICIALS, WATER DEPARTMENT AND STATE FIRE MARSHAL REQUIREMENTS AS APPLICABLE.
- SUBMIT COMPLETE SET OF SHOP DRAWINGS INCLUDING NECESSARY CALCULATIONS AND CATALOG CUTS OF MATERIALS TO THE ENGINEER AND THE AUTHORITY HAVING JURISDICTION FOR APPROVAL. OBTAIN APPROVAL PRIOR TO INSTALLATION. DRAWINGS AND CALCULATIONS SHALL BE CERTIFIED BY A MINIMUM NATIONAL INSTITUTE FOR CERTIFICATION ENGINEERING TECHNOLOGY LEVEL III TECHNICIAN.
- SYSTEM SHALL BE HYDRAULICALLY DESIGNED. CONTRACTOR SHALL OBTAIN LATEST WATER SUPPLY INFORMATION AND DETERMINE SPRINKLER HEAD SPACING AND DESIGN DENSITIES FOR HYDRAULIC CALCULATIONS. REQUIRED SYSTEM PRESSURE SHALL BE A MINIMUM OF 10% BELOW THE AVAILABLE PRESSURE AT SYSTEM DEMAND.
- PLANS FOR INSTALLATION OF ANY FIRE ALARM, OR FIRE SPRINKLER SYSTEM SHALL BE SUBMITTED UNDER SEPARATE PERMIT BY CONTRACTORS LICENSED BY THE NEVADA STATE FIRE MARSHAL'S OFFICE TO DO THIS WORK, A SEPARATE PERMIT IS REQUIRED FOR EACH TYPE OF SYSTEM.
- CONTRACTOR SHALL HOLD A VALID NEVADA CONTRACTORS LICENSE FOR THE TYPE OF WORK BEING PERFORMED.
- ALL PIPING SHALL BE SUSPENDED AND BRACED IN STRICT ACCORDANCE WITH NFPA 13, 2018 IBC, AND ASCE 7.
- CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID, IN ORDER TO DETERMINE THE EXACT SCOPE OF WORK.
- THE CONTRACTOR GUARANTEES THAT ALL WORK INSTALLED SHALL BE FREE OF ALL DEFECTS IN WORKMANSHIP AND MATERIAL FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE CERTIFICATION OF COMPLETION AND ACCEPTANCE OF WORK.
- AFTER SYSTEM IS COMPLETELY INSTALLED, IT SHALL BE FILLED AND TESTED IN ACCORDANCE WITH LOCAL REQUIREMENTS, NFPA 13, AND THE REQUIREMENTS OF THE APPLICABLE NFPA BULLETINS.
- ALL SPRINKLER HEADS TO BE SEMI-RECESS TYPE WITH ESCUTCHEON. COORDINATE WITH ARCHITECT ON HEAD AND ESCUTCHEON COLORS. ALL PIPING IS TO BE CONCEALED ABOVE FINISH CEILING AREAS. SPRINKLER HEADS SHALL BE ALIGNED WITH LIGHTS, DIFFUSERS, AND OTHER EQUIPMENT SO AS TO PRESENT A NEAT AND SYMMETRIC APPEARANCE. SPRINKLER HEADS TO BE CENTERED IN CEILING TILE.
- IN LIEU OF RIGID PIPE OFFSETS OR RETURN BENDS FOR SPRINKLER DROPS, MULTIPLE-USE FLEXIBLE STAINLESS STEEL SPRINKLER DROP SYSTEM MAY BE USED TO LOCATE SPRINKLERS AS REQUIRED BY FINAL FINISHED CEILING TILES AND WALLS. THE DROP SYSTEM SHALL CONSIST OF A BRAIDED OR UNBRAIDED (CORRUGATED) TYPE 304 STAINLESS STEEL FLEXIBLE TUBE, A ZINC PLATED STEEL 1" NPT MALE THREADED NIPPLE FOR CONNECTION TO BRANCHLINE PIPING, AND A ZINC PLATED STEEL REDUCER WITH A 1/2" OR 3/4" NPT FEMALE THREAD FOR CONNECTION TO THE SPRINKLER HEAD. THE BRAIDED DROP SYSTEM SHALL BE FM APPROVED FOR SPRINKLER SERVICES TO 200 PSI AND CAN BE INSTALLED WITHOUT THE USE OF TOOLS, AND THE CORRUGATED SYSTEM SHALL BE UL LISTED FOR SPRINKLER SERVICES TO 175 PSI. ALL HOSES SHALL BE FACTORY-PRESSURE TESTED TO 400 PSI.



A FIRE PROTECTION DEMOLITION FLOOR PLAN
 FP2.01 SCALE: 1/4"=1'-0"

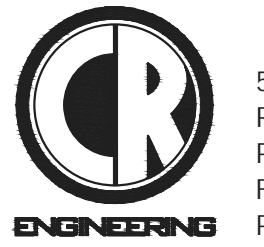


B FIRE PROTECTION FLOOR PLAN
 FP2.01 SCALE: 1/4"=1'-0"



KEYED PLAN
 SCALE: NONE

Consultant



5434 LONGLEY LANE
 RENO, NEVADA 89511
 PHONE: (775) 826-1919
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 PROJECT NO: 131519

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1625 WATER STREET
 MINDEN, NV 89423

Job No: 19-018.00

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CONSTRUCTION ISSUE

REVISIONS	
REV	DESCRIPTION

Sheet Title

FIRE PROTECTION SPECIFICATIONS, DEMOLITION AND NEW FLOOR PLANS

Date: 10/11/2019

Sheet No:

FP2.01

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 2018 INTERNATIONAL BUILDING CODE (IBC), 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2018 INTERNATIONAL FIRE CODE (IFC), 2018 UNIFORM MECHANICAL CODE (UMC), 2018 UNIFORM PLUMBING CODE (UPC), 2017 NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS, AND ALL OTHER APPLICABLE CODES, RULES, AND LOCAL REQUIREMENTS.
- GUARANTEE ALL WORK AND MATERIALS FOR A PERIOD OF ONE YEAR.
- ALL DIMENSIONS AND MEASUREMENTS SHALL BE VERIFIED AT THE JOBSITE BEFORE FABRICATION AND/OR INSTALLATION OF THE EQUIPMENT.
- PROVIDE AND INSTALL ALL EQUIPMENT, DUCT, PIPING, AND CONTROLS AS SHOWN ON THE DRAWINGS.

B. SUBMITTALS

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

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 2018 IBC.
- REFERENCES: INTERNATIONAL BUILDING CODE (IBC) SECTION 1613.1, AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE 7-16) SECTION 13.6, SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA) SEISMIC RESTRAINT MANUAL, AND AMERICAN SOCIETY OF PLUMBING ENGINEERS (ASPE) PLUMBING ENGINEERING DESIGN HANDBOOK.
- DELEGATED DESIGN SUBMITTAL: FOR SEISMIC RESTRAINT CALCULATIONS AND DETAILS INDICATED TO COMPLY WITH PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA, INCLUDING DIMENSIONED PLAN LAYOUTS AND ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEVADA RESPONSIBLE FOR THEIR PREPARATION.

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.
- 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.
- 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 MICROLOUTE 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.

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. RELATED WORK

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

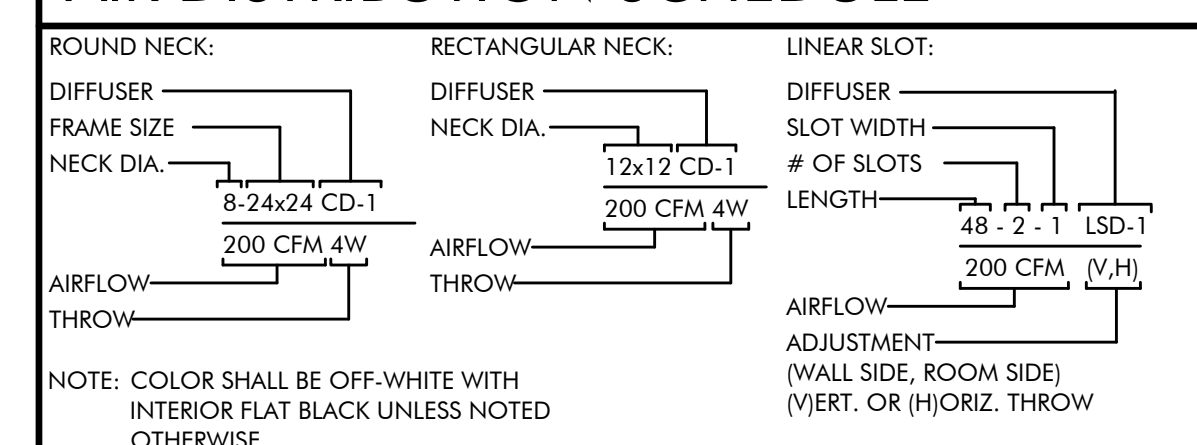
MECHANICAL ABBREVIATIONS

ACFM	ACTUAL CUBIC FEET PER MINUTE
AF	AIR FILTER
AFF/AFG	ABOVE FINISHED FLOOR/GRADE
A	AMPERE
APD	AIR PRESSURE DROP
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
(D)	DEMOLISH
DB,WB	DRY BULB, WET BULB TEMPERATURE
dBa	DECIBELS, A-WEIGHTED MEASUREMENT
DIA	DIAMETER
DN	DOWN
DP	DIFFERENTIAL PRESSURE
(E)	EXISTING
EAT/LAT	ENTERING/LEAVING AIR TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE
EWT/LWT	ENTERING/LEAVING WATER TEMPERATURE
FLA	FULL LOAD AMPERES
PPM	FEET PER MINUTE
FT	FOOT
FT ²	SQUARE FOOT
FT ³	CUBIC FOOT
GA	GAUGE
HZ	HERTZ
KW	KILOWATT
LBS	POUNDS
MAX	MAXIMUM
MIN	MINIMUM
(N)	NEW
NC	NOISE CRITERIA
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
R	REGISTER
RPM	REVOLUTIONS PER MINUTE
TYP	TYPICAL
V	VOLTS
W	WATT
WC/WG	WATER COLUMN/GAUGE

MECHANICAL SYMBOL LEGEND

SYMBOL	ABBR.	DESCRIPTION
	SA	SUPPLY AIR
	RA	RETURN AIR
	EA	EXHAUST AIR
	OA	OUTSIDE AIR
		POSITIVE PRESSURE DUCT SECTION - FIRST SIZE IS TOP
		NEGATIVE PRESSURE DUCT SECTION - FIRST SIZE IS TOP
		DUCT SIZE - FIRST SIZE IS SIDE SHOWN
	(L)	LINED DUCT
		FLEXIBLE DUCT
		FLEXIBLE DUCT CONNECTOR
	MVD	MANUAL VOLUME DAMPER
	OBD	OPPOSED BLADE DAMPER
	PBD	PARALLEL BLADE DAMPER
	TSTAT	THERMOSTAT OR TEMPERATURE SENSOR @ 48" AFF
	CD	CEILING DIFFUSER
	LD	LINEAR DIFFUSER
	SW	SIDE WALL DIFFUSER
	EG/RG	EXHAUST/RETURN GRILLE
		UNION
		PIPE BREAK
		PIPE CAP OR PLUG
	ELL	PIPE ELBOW
		PIPE ELBOW DOWN
		PIPE ELBOW UP
		PIPE TEE
		PIPE RISER
		PIPE DROP
		PIPE BRANCH, TOP CONNECTION
		PIPE BRANCH, BOTTOM CONNECTION
	POC	POINT OF CONNECTION
	POD	POINT OF DISCONNECT

AIR DISTRIBUTION SCHEDULE



TAG	MANUF.	TYPE	FACE	FRAME	MODEL	REMARKS
CD-1	TITUS	SUPPLY	PLAQUE	LAY-IN	OMNI	
RG-1	TITUS	RETURN	EGG CRATE	LAY-IN	50F	WITH SOUND BOOT

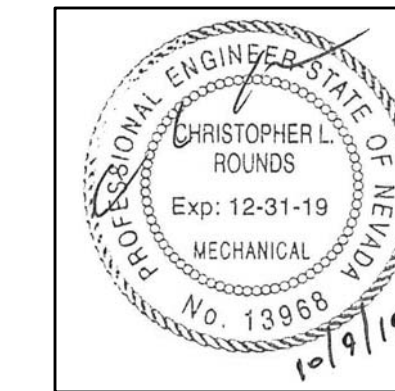
OUTSIDE AIR CALCULATION

ROOM OR AREA NAME	OCCUPANCY CATEGORY	FLOOR AREA (SF)	PEOPLE OUTDOOR AIR RATE (CFM EACH)	AREA OUTDOOR AIR RATE (CFM/SF)	DEFAULT OCCUPANT DENSITY (PEOPLE/1,000 SF)	CALCULATED NUMBER OF PEOPLE	CALCULATED MINIMUM PEOPLE OUTDOOR AIR REQUIRED (CFM)	CALCULATED MINIMUM AREA OUTDOOR AIR REQUIRED (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS	TOTAL MINIMUM OUTDOOR AIR REQUIRED (CFM)
JUSTICE COURT C41	COURTROOM	1,340	5	0.06	70	94	470	81	0.8	689
TOTAL OUTSIDE AIR REQUIRED BY EXISTING VAV #H82 & VAV #H83										
689										

CALCULATION BASED ON CHAPTER 4 "VENTILATION AIR SUPPLY" OF THE 2018 UMC AND ASHRAE STANDARD 62.1-2016 "OUTDOOR AIR REQUIREMENTS FOR VENTILATION"

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MINDEN, NV 89423

Job No: 19-018.00

Owner

DOUGLAS COUNTY

CONSTRUCTION ISSUE

REVISIONS	
REV	DESCRIPTION

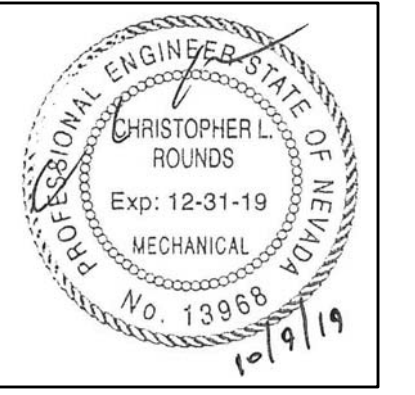
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MECHANICAL ABBR., LEGEND, CALC. AND SCHEDULES

Date: 10/11/2019

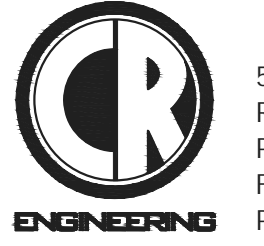
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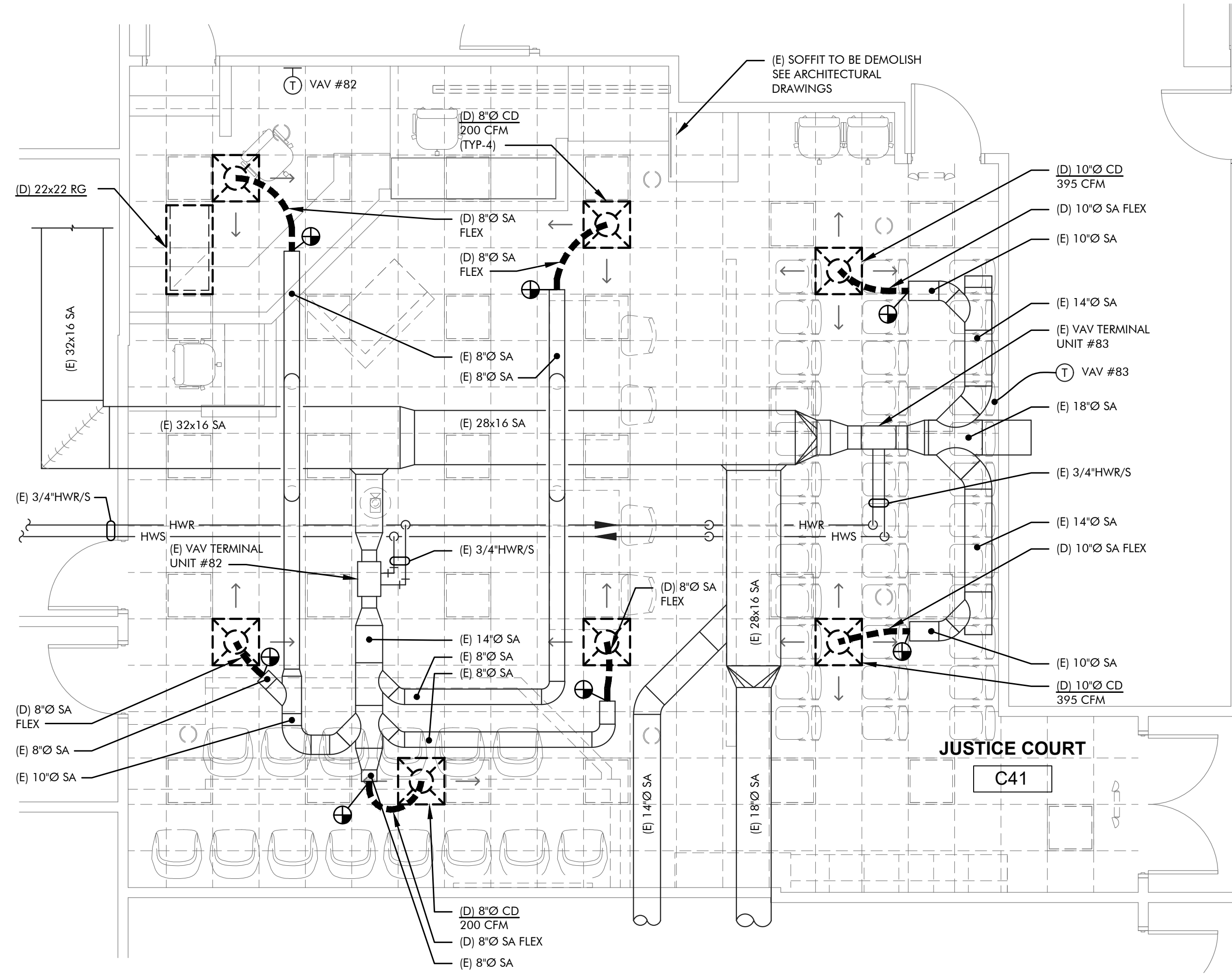
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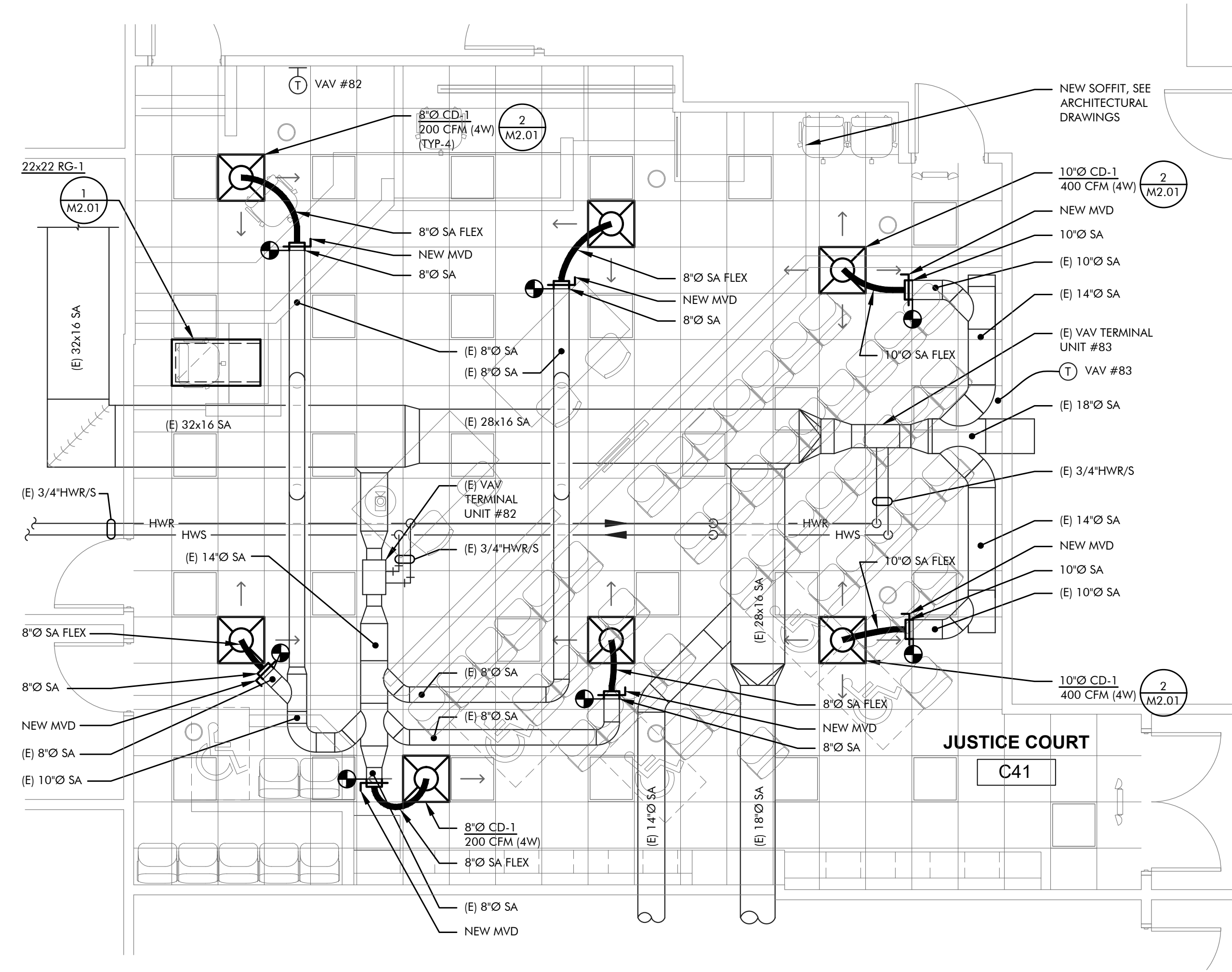
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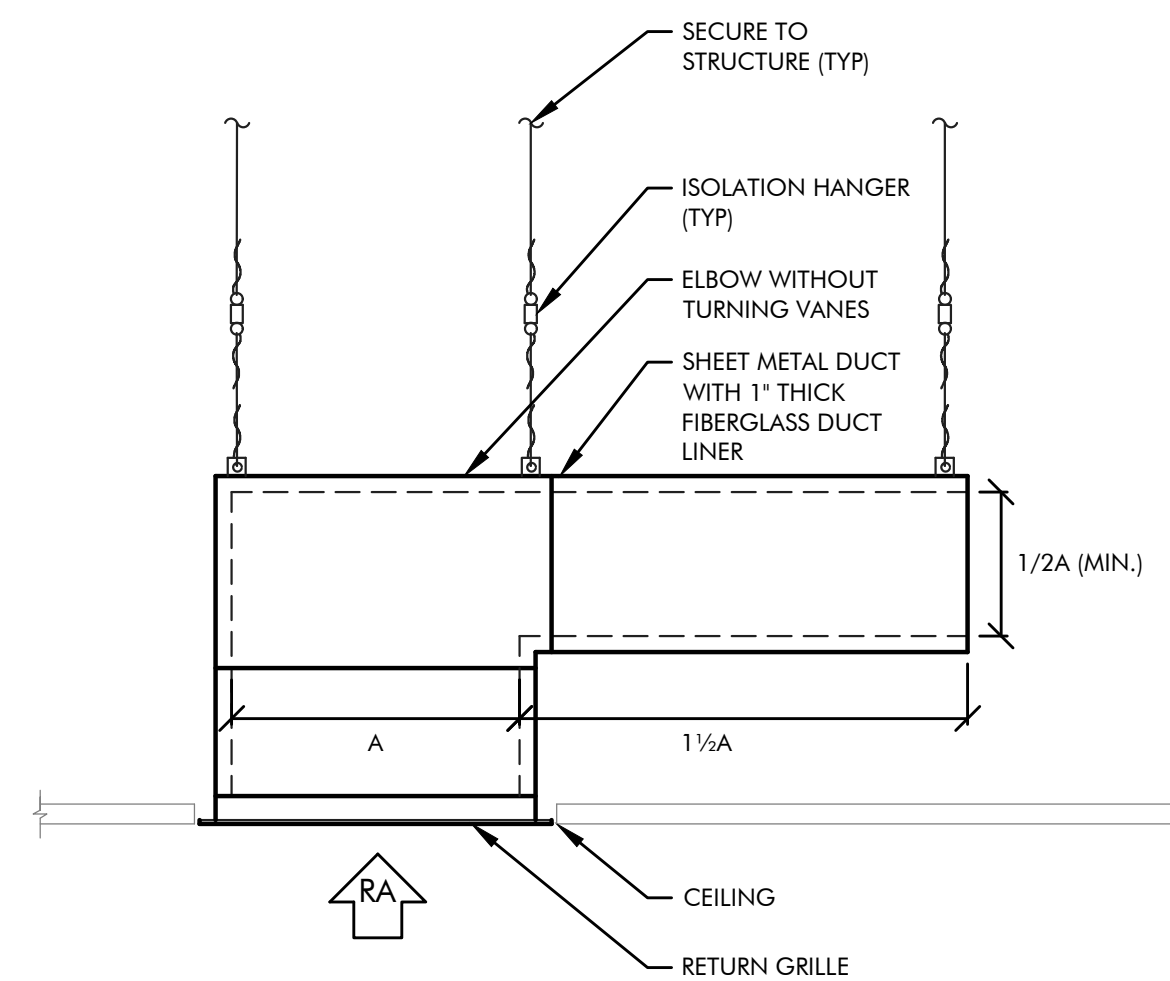
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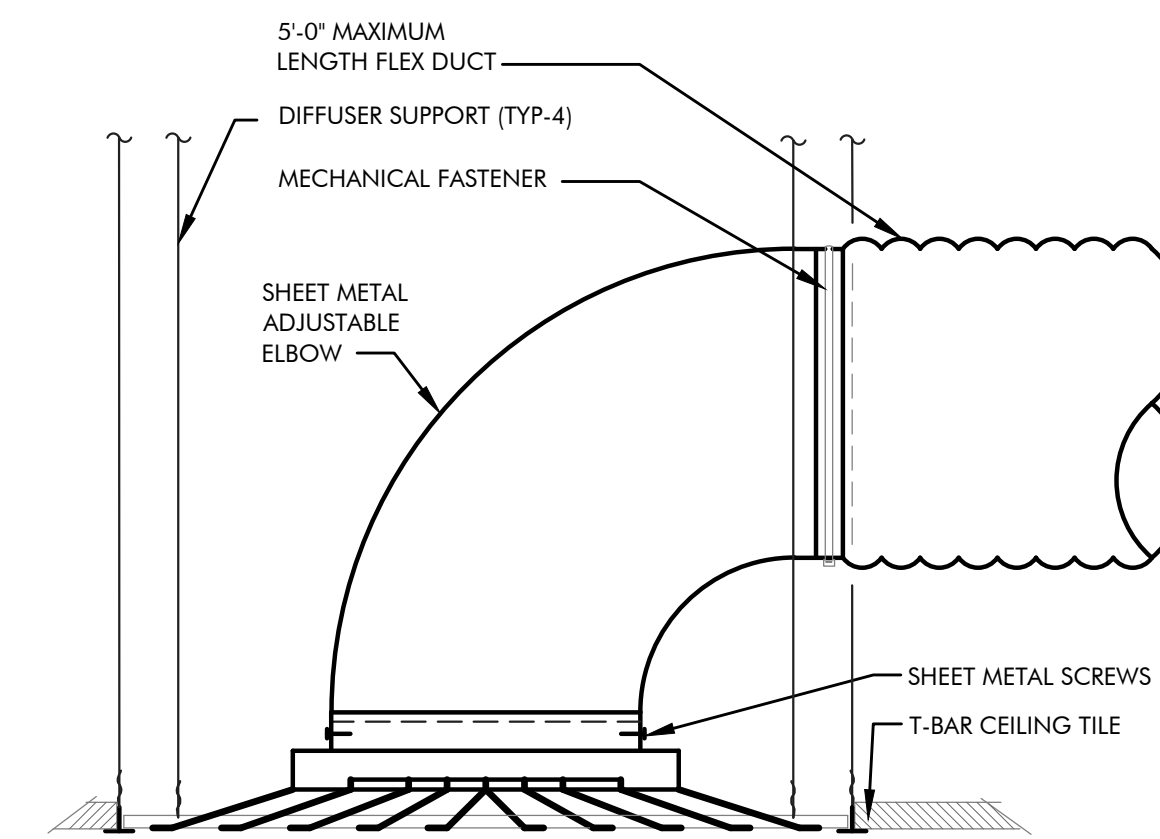
A MECHANICAL DEMOLITION FLOOR PLAN
 M2.01 SCALE: 1/4"=1'-0"



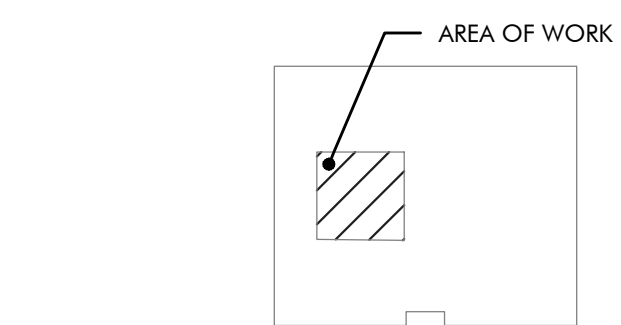
B MECHANICAL FLOOR PLAN
 M2.01 SCALE: 1/4"=1'-0"



1 SOUND BOOT DETAIL
 M2.01 SCALE: NONE



2 DIFFUSER-LAY-IN
 M2.01 SCALE: NONE



KEYED PLAN
 SCALE: NONE

CONSTRUCTION ISSUE

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
MECHANICAL DEMOLITION AND NEW FLOOR PLANS

Date: 10/11/2019
 Sheet No:

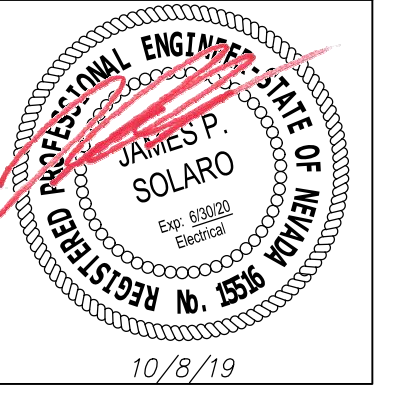
M2.01

GENERAL NOTES	
1.	EXISTING LIGHTING AND LIGHTING CONTROLS SHALL REMAIN. NO NEW LIGHTING WORK IS ASSOCIATED WITH THIS PROJECT.
2.	THERE ARE NOT TO BE ANY CORDS FROM ELECTRICAL EQUIPMENT RUNNING UNDER CARPETING TO PLUG INTO RECEPTACLES ON OPPOSITE WALLS. ALL CORDS SHALL BE PLUGGED INTO NEW RECEPTACLES MOUNTED UNDER THE DESKTOPS.

SHEET NOTES	
1	DATA WIRES ROUTED THROUGH WALL AND COILED UNDER DESKTOP. REMOVE WIRES BACK TO A SAFE LOCATION AND REINSTALL TO NEW OUTLET LOCATIONS UNDER NEW CONDITIONS.
2	REMOVE EXISTING TELEPHONE OUTLETS AND DATA CABLES MOUNTED UNDER THE DESKTOP. CONTRACTOR SHALL PULL THE COMMUNICATION WIRES AND DATA CABLES BACK TO A SAFE LOCATION AND REINSTALL TO NEW OUTLET LOCATIONS UNDER NEW CONDITIONS.
3	PROVIDE NEW DATA OUTLET AND DUPLEX RECEPTACLE AT A HEIGHT AS DIRECTED BY ARCHITECT FOR NEW VIDEO MONITOR.
4	ROUTE NEW CONDUIT ABOVE ACCESSIBLE CEILING FOR NEW RECEPTACLE ON WALL BEHIND JUDGE'S DESK. EXTEND EXISTING BRANCH CIRCUIT FROM EXISTING RECEPTACLE TO THE NEW RECEPTACLE.
5	PROVIDE NEW WIREMOLD ROUTED ALONG THE CASEWORK AT GROUND LEVEL FROM WALL TO NEW MICROPHONE JACK LOCATED UNDER THE DESKTOP. REROUTE THE EXISTING COMMUNICATION CABLING TO THE NEW MICROPHONE OUTLET.
6	PROVIDE NEW DUPLEX RECEPTACLE MOUNTED HORIZONTALLY ABOVE THE DESKTOP.
7	ROUTE POWER CONDUITS AND COMMUNICATION CABLING WITHIN THE 6" TALL x 4" DEEP CHANNEL THAT IS BUILT IN UNDER THE DESK. MOUNT JUNCTION BOXES FOR RECEPTACLES AND DATA OUTLETS IN THE CHANNEL.
8	CONTRACTOR SHALL REMOVE EXISTING RECEPTACLES AND OUTLETS AND PROVIDE NEW BLANK FACE PLATES ON THE JUNCTION BOXES. COLOR AND FINISH SHALL MATCH THE ADJACENT WALL FINISH.

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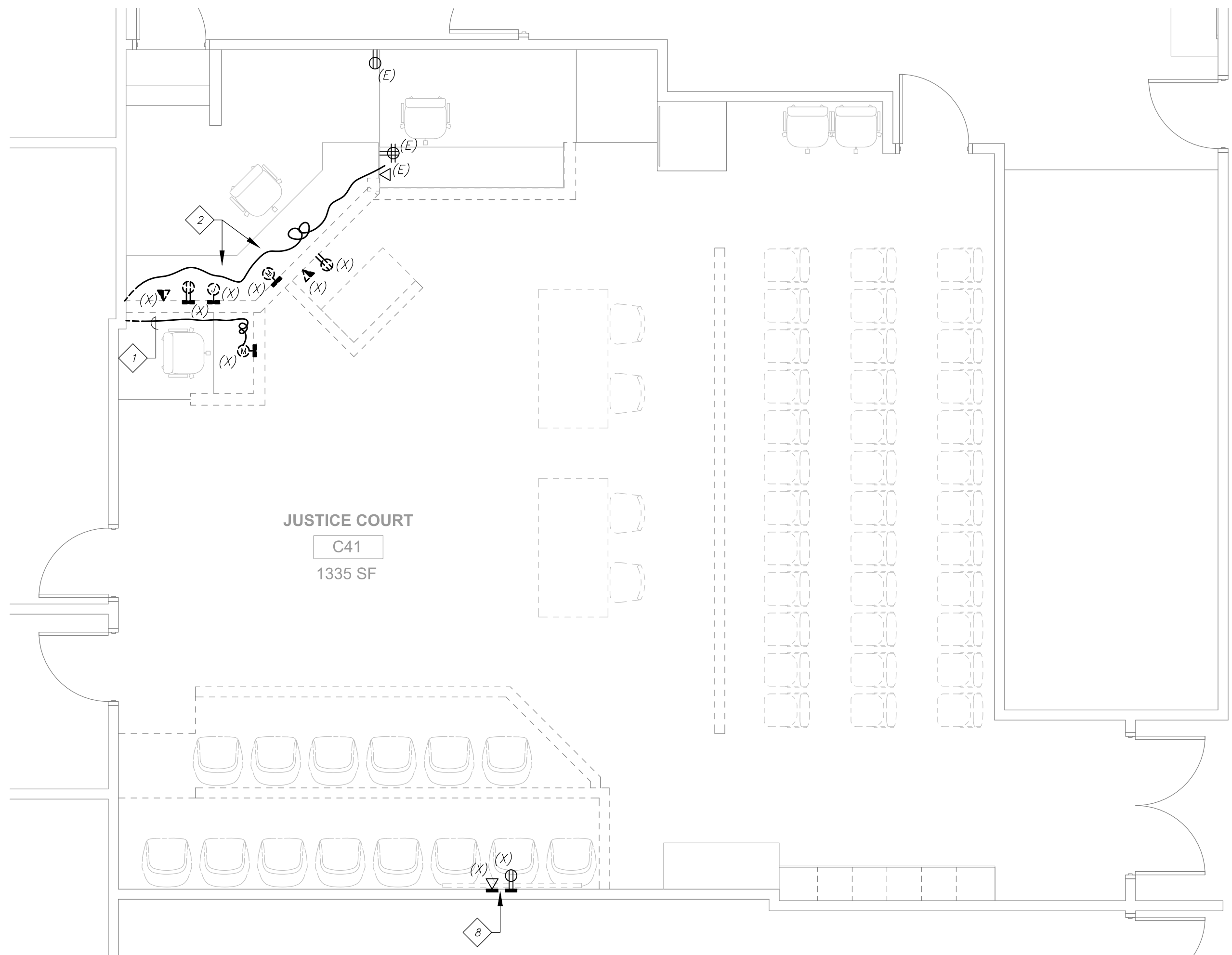
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ELECTRICAL PLANS

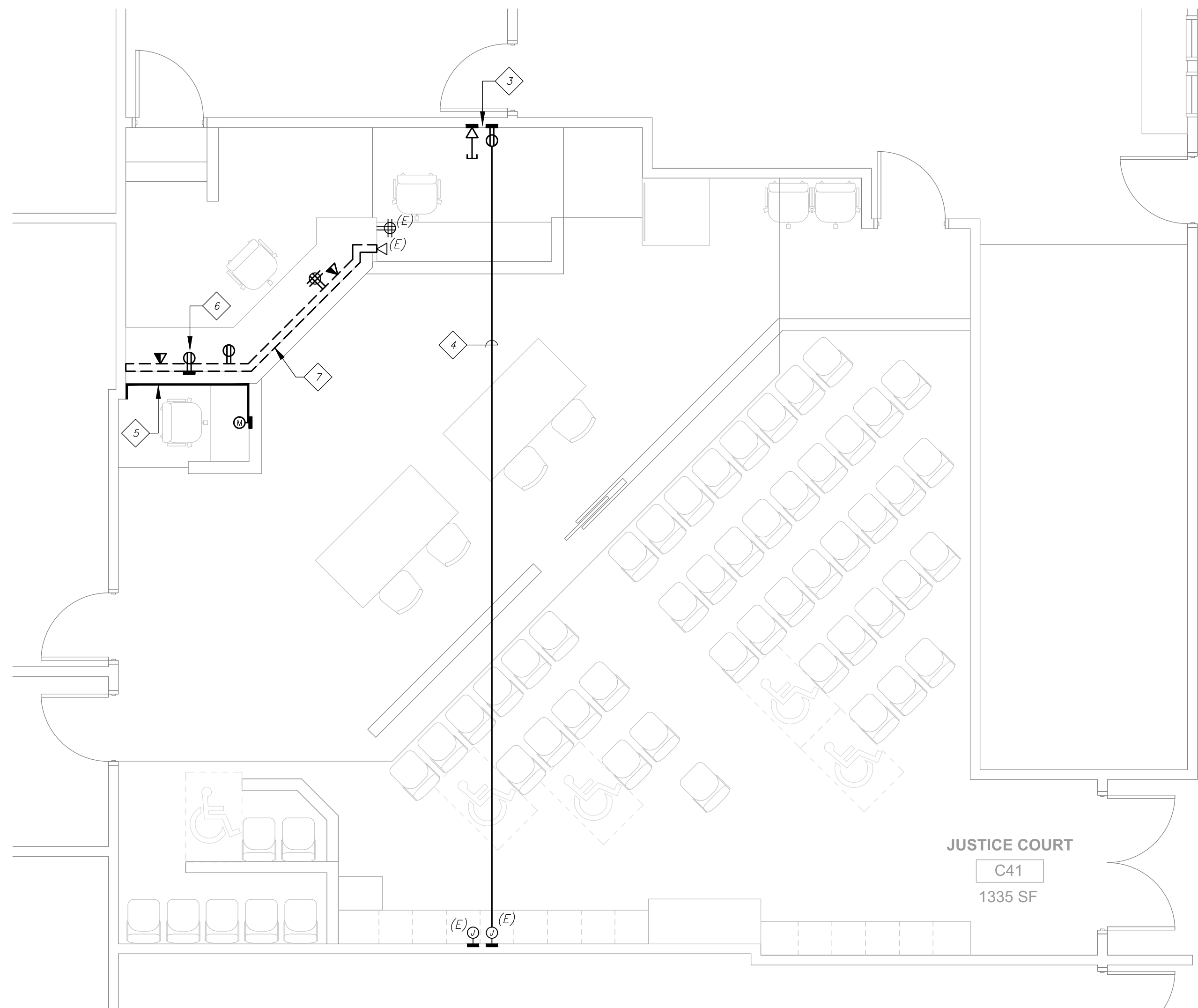
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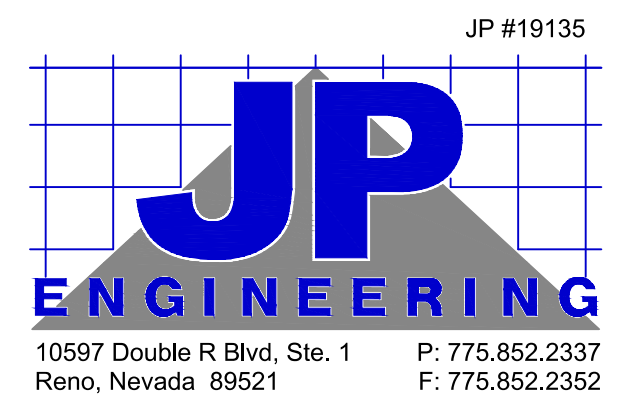
E2



A	ELECTRICAL DEMOLITION PLAN	
E2	SCALE: 1/4" = 1'-0"	



B	ELECTRICAL PLAN - NEW WORK	
E2	SCALE: 1/4" = 1'-0"	



JP #19135

GENERAL NOTES

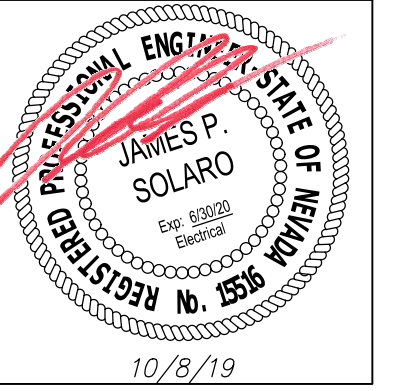
1. ELECTRICAL CONTRACTOR SHALL UTILIZE CARE WHILE REMOVING THE EXISTING FIXTURES SHOWN MARKED WITH AN (X). THESE FIXTURES ARE TO BE RELOCATED IN THE NEW CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR DAMAGE DONE TO THESE FIXTURES WHILE REMOVING AND RELOCATING THEM.

SHEET NOTES

CONTRACTOR SHALL RELOCATE THE AN EXISTING FIXTURE SHOWN WITH AN (X) TO THIS NEW LOCATION. CONTRACTOR SHALL EXTEND AND CONNECT EXISTING BRANCH CIRCUIT AND LIGHTING CONTROLS FROM EXISTING LOCATION TO NEW.

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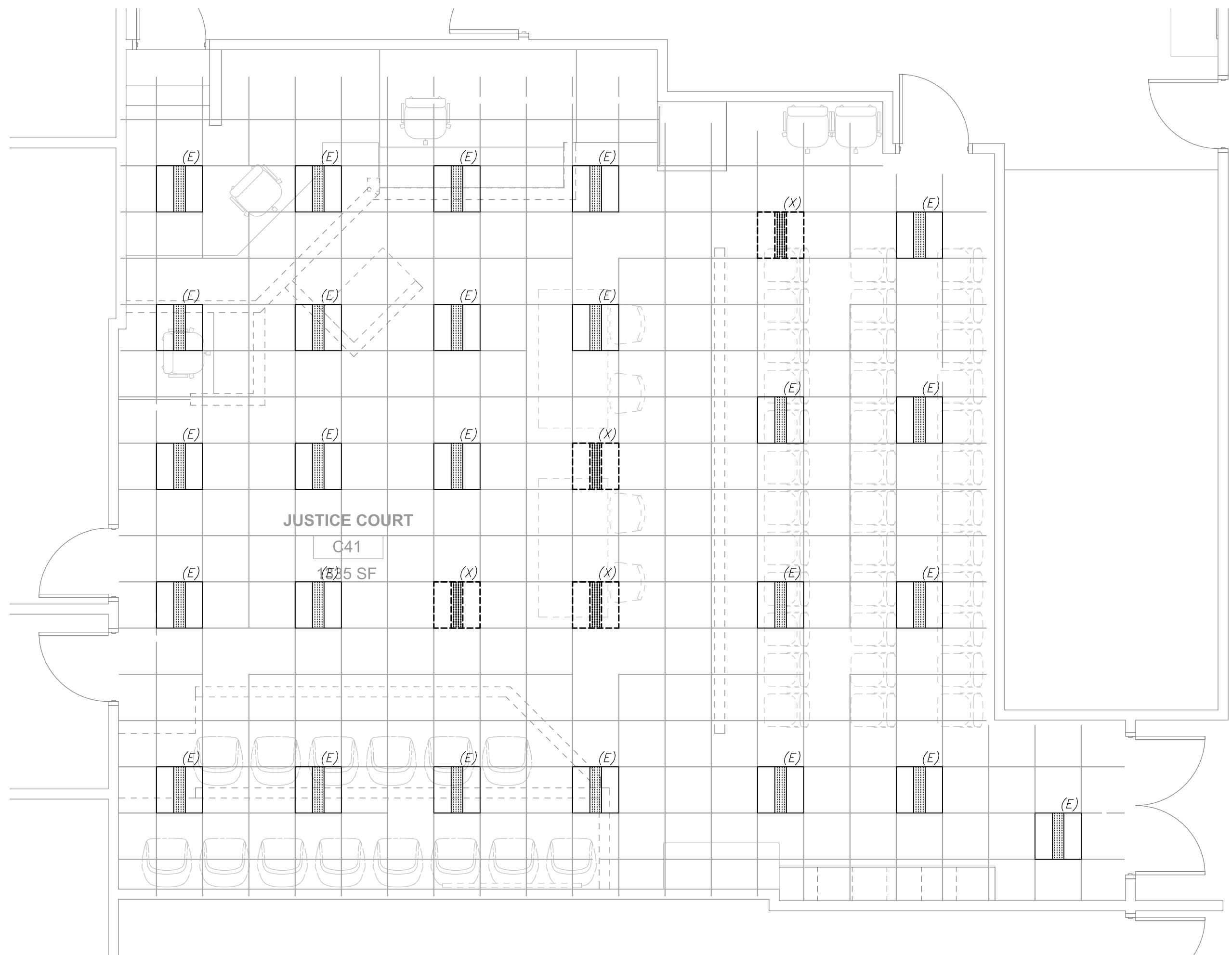
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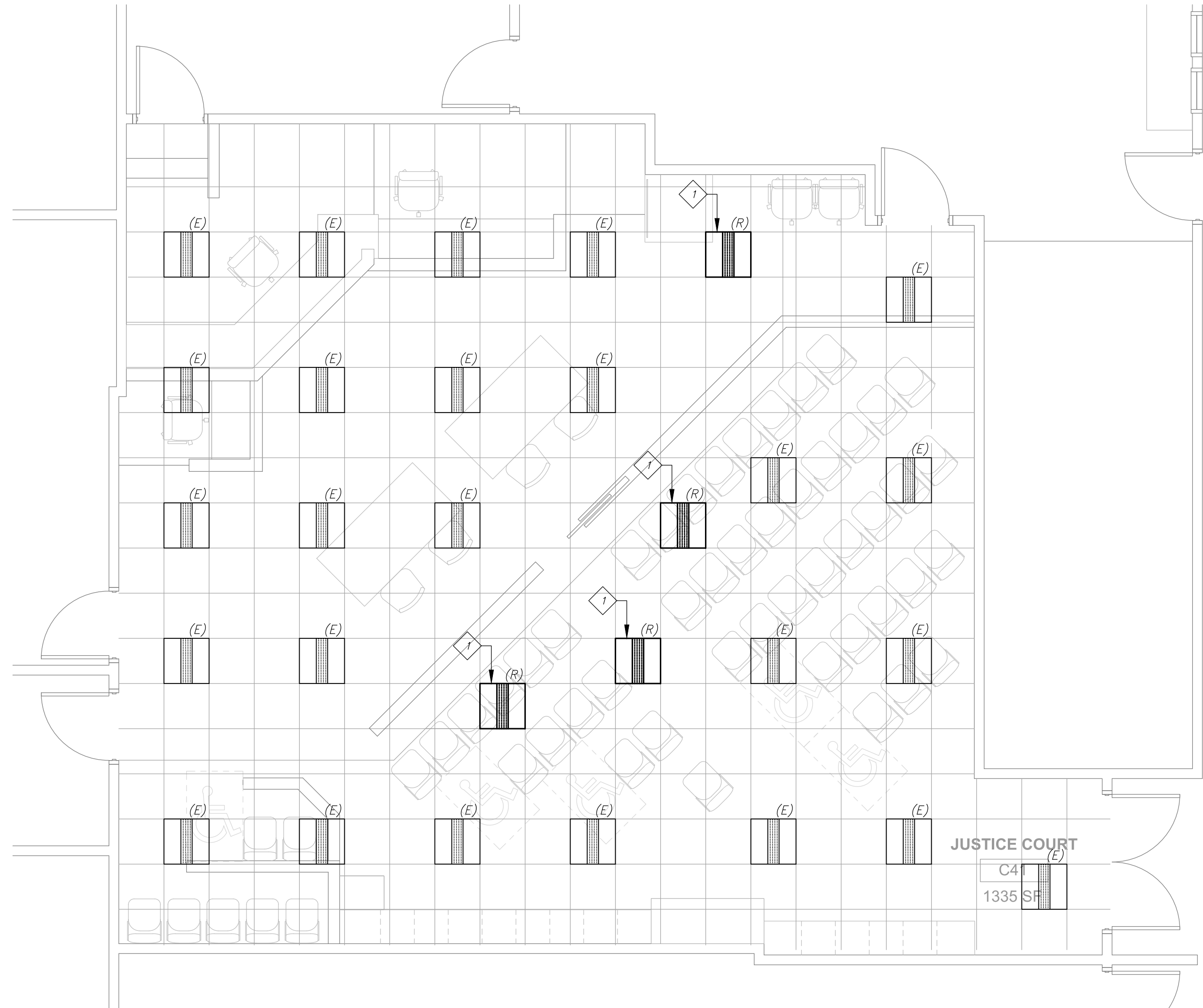
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LIGHTING PLANS

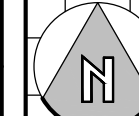
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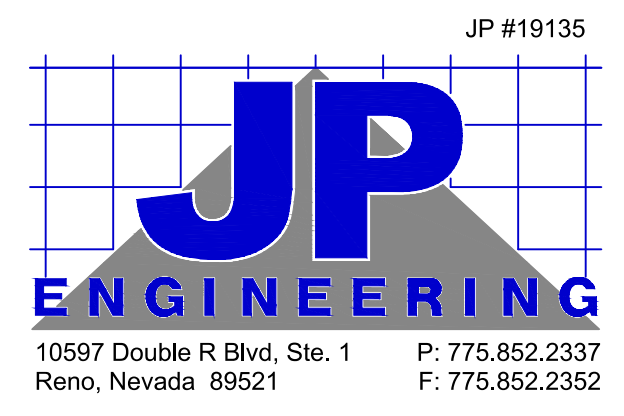
E3



A | **LIGHTING DEMOLITION PLAN** | 
E3 | SCALE: 1/4" = 1'-0"



B | **LIGHTING PLAN - NEW WORK** | 
E3 | SCALE: 1/4" = 1'-0"



JP #19135