WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND

431 ZIMOVIA HIGHWAY WRANGELL, ALASKA 99929

LOCATION MAP

DRAWING INDEX SHEET NUMBER SHEET NAME SHEET NUMBER

GENERAL NOTES

ALASKA

COVER CODE REVIEW EXISTING PLAN DEMOLITION REFLECTED CELLING PLAN NEW WORK REFLECTED CEILING PLAN FINISH PLAN - ADDITIVE ALTERNATE 2 BENCH FRAMING PLAN, ELEVATIONS, AND SECTIONS ENLARGED PLAN, ELEVATIONS, AND DETAILS CLERKS COUNTER PLAN. ELEVATIONS. & SECTIONS ENLARGED JURY SEATING PLAN, RAIL DETAIL, & SECTIONS ENLARGED ADA BATHROOM PLAN AND ELEVATIONS PUBLIC ADA BATHROOM ELEVATIONS SPECIFICATION

- LEGEND. ABBREVIATIONS. & SCHEDULES SPECIFICATIONS
 DEMOLITION PLAN - SECOND FLOOR - MECHANICAL M-101 FLOOR PLAN - SECOND FLOOR - MECHANICAL LEGEND & SPECIFICATIONS SCHEDULES AND DETAILS E-002 DEMOLITION PLAN - SECOND FLOOR -LIGHTING
 - DEMOLITION PLAN SECOND FLOOR POWER & SPECIAL SYSTEMS FLOOR PLAN - SECOND FLOOR - LIGHTING

SHEET NAME

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE JOB SITE TO FAMILIARIZE HER/HIMSE WITH ALL THE EXISTING CONDITIONS THAT COULD AFFECT THE INSTALLATION OF ANY WORK SET FORTH IN THESE PLANS.
- THE JOB SITE AT THE COMPLETION OF CONSTRUCTION SHALL BE CLEAR OF ANY DEBRIS OR SPO OPERATION OF THE OWNER
- LL TERMINATIONS OF ONE FLOOR MATERIAL TO ANOTHER SHALL HAVE T TRIPS MADE FOR FLOORING TYPE.
- ALL SURFACES AND ITEMS EXPOSED TO VIEW SHALL BE PAINTED OR FINISHED PER SPECIFICATION. REFER TO FLOOR PLANS, ROOM FINISH LEGEND AND SCHEDULE, DETAILS AND SPECIFICATIONS FOR ADDITIONAL PAINTING AND FINISH REQUIREMENTS.
- CONTRACTOR SHALL MAINTAIN A CLEAN, DUST FREE SEPARATION BETWEEN WORK AREAS AND DCCUPIED AREAS OF THE BUILDING.
- THE OWNER HAS FIRST REFUSAL RIGHTS TO ALL MATERIAL TO BE REMOVED OR DEMOLISHED THE CONTRACTOR IS ADVISED THAT DAMAGE TO ANY PORTION OF THIS PROJECT'S BUILDING AS A RESULT OF THIS PROJECT, IS TO BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL DIMENSIONS TO EXISTING OBJECTS ARE TO FACE OF FINISH UON. ALL DIMENSIONS TO NEW OBJECTS ARE TO FACE OF STUD UON.

VICINITY MAP

Pacific



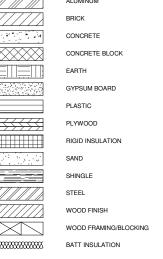
ABBREVIATIONS

ADJUSTABLE ABOVE FINISH FLOOR AIR INFILTRATION BARRIER APPROXIMATELY ABUSE RESISTANT GYPSUM WALL BOARD BLOCKING BEAM BOTTOM OF BUILT-UP ROOF CONTROL JOINT CENTERLINE CELING CONCRETE CONTINUOUS CARPET CONTINUOUS CARPET DIMETER DIAMETER DISPENSER DOWN DISHWASHER EACH ELEVATION ELEVATION ELEVATION ELEVATION FOR DRAIN FOUNDATION FIRE EXTINGUISHER FACE OF FINISH FACE OF FINISH FACE OF FINISH FACE OF FINISH FACE OF GALVANIZED GALVANIZED GLUAM BEAM	GB GWB HB UND HM HORI HROW HAVE HAVE HAVE HAVE HAVE HAVE HAVE HAVE
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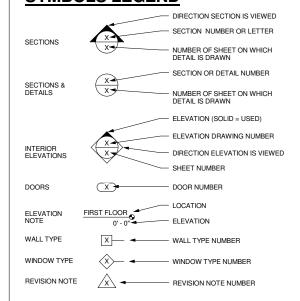
MANUFACTURER MISCELL ANEOUS

ROOF DRAIN
REFERENCE
REFLECTED
REINFORCING
REQUIRED
REVISED
ROOMS
ROUGH OPENING
SQUARE FEET
SHEET
SHEATHING
SHOWER
SIMILAR
SQUARE METERS
SQUARE
STAINLESS STEEL
STEEL THERMALLY BROKE TO BE DETERMINED THRESHOLD

MATERIALS LEGEND



SYMBOLS LEGEND



BID DOCUMENTS

3

COURTHOUSE: UPGRADES AND BOROUGH BENCH

G-001

Central

OFFICES, COURTROOM, HOLDING CELL WRANGELL, ALASKA NO A-3, B,

EXISTING ADJACENT OCCUPANCY: CONSTRUCTION TYPE: I-3 V-A (FIRE-SEPERATED MIXED USE)

CODES AND REGULATIONS:
2009 INTERNATIONAL BUILDING CODE (IBC)
2009 INTERNATIONAL MECHANICAL CODE (IMC)
2009 UNIFORM PLUMBING CODE (IPC)
2009 UNIFORM PLUMBING CODE (IPC)
2009 INFERNATIONAL FIRE CODE (IFC)
2009 NFPA 13 - SPRINKLER SYSTEMS
2011 NFPA 73 - NATIONAL EIGE TRICAL CODE (NEC)
2010 NFPA 72 - NATIONAL EIGE ALARM CODE (NFAC)
2010 NFPA 101 - LIFE SAFETY CODE (LSC)
2010 ICC/ANSI A117 ACCESSIBILITY GUIDELINES (ICC)

IBC CHAPTER 3 USE AND OCCUPANCY CLASSIFICATION

303.1 ASSEMBLY GROUP A
A-3: ASSEMBLY USES NOT CLASSIFIED ELSEWHERE IN GROUP A INCLUDING COURTROOMS

304.1 BUSINESS GROUP B

BUSINESS GROUP B OCCUPANCY INCLUDES THE USE OF A BUILDING FOR OFFICE, PROFESSIONAL OR SERVICE-TYPE TRANSACTIONS, INCLUDING STORAGE OF RECORDS AND ACCOUNTS.

308.4 GROUP I-3. (NOT AFFECTED BY THIS PROJECT)
THIS OCCUPANCY SHALL INCLUDE BUILDINGS AND STRUCTURES THAT ARE INHABITED BY MORE THAN FIVE PERSONS
WHO ARE UNDER RESTRAINT OR SECURITY. AN I-3 FACILITY IS OCCUPIED BY PERSONS WHO ARE GENERALLY
INCAPABLE OF SELF-PRESERVATION DUE TO SECURITY MEASURES NOT UNDER THE OCCUPANTS' CONTROL.

IBC CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS

SECTION 503 GENERAL BUILDING HEIGHTS AND AREA LIMITATIONS

TABLE 503 (V-A CONSTRUCTION)

 $= 1,096 \text{ SF} \\ 11,500 \text{ X 3 (SPRKLR)} = 1,096 \text{ SF} = .032 \%$ = $\frac{22,965 \text{ SF}}{18,000 \text{ X 3 (SPRKLR)}}$ = $\frac{22,965 \text{ SF}}{54,000}$ = .425 % = $\frac{1,600 \text{ SF}}{7,500 \text{ X 3 (SPRKLR)}}$ = $\frac{1,600 \text{ SF}}{22,500}$ = .071 %

TABLE 508.4 REQUIRED SEPARATION OF OCCUPANCIES (SPRINKLERED)

OCCUPANCY A-3 I-3

IBC CHAPTER 6 TYPES OF CONSTRUCTION

TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS) PRIMARY STRUCTURAL FRAME 1 BEARING WALLS NONBEARING WALLS AND PARTITIONS NONBEARING WALLS AND PARTITIONS FLOOR CONSTRUCTION AND SECONDARY MEMBERS ROOF CONSTRUCTION AND SECONDARY MEMBERS

IBC CHAPTER 9 FIRE PROTECTION SYSTEMS

F] 906.1 WHERE REQUIRED.
PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED IN NEW AND EXISTING GROUP A, B, & I OCCUPANCIES.
EXCEPTION: IN NEW AND EXISTING GROUP A, B AND E OCCUPANCIES EQUIPPED THROUGHOUT WITH QUICK RESPONSE SPRINKLERS, PORTABLE FIRE EXTINGUISHERS SHALL BE REQUIRED ONLY IN SPECIAL-HAZARD AREAS AS LISTED IN IBC TABLE 906.1.

TABLE 906.3
MINIMUM RATED SINGLE EXTINGUISHER
MAXIMUM FLOOR AREA PER UNIT OF A
MAXIMUM FLOOR AREA FOR EXTINGUISHER
MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER

IBC CHAPTER 10 MEANS OF EGRESS

TABLE 1004.1.1 MAXIMUM OCCUPANT LOAD PER FLOOR AREA

AREAS WITHING PROJECT SCOPE: ASSEMBLY WITH FIXED SEATS # OF FIXED SEATS 600SF/15 6040SF/100 ASSEMBLY W/O FIXED SEATS (UNCONCENTRATED) BUSINESS AREAS AREAS OUTSIDE OF PROJECT SCOPE: NSTITUTIONAL AREAS 1600SF/100

FOR AREAS HAVING FIXED SEATS AND AISLES, THE OCCUPANT LOAD SHALL BE DETERMINED BY THE NUMBER OF FIXED SEATS INSTALLED THEREIN.

1018.2 CORRIDOR WIDTH.
THE MINIMUM CORRIDOR WIDTH SHALL BE AS DETERMINED IN SECTION 1005.1, BUT NOT LESS THAN 44 INCHES.
EXCEPTIONS: 2. THIRTY-SIX INCHES—WITH A REQUIRED OCCUPANT CAPACITY OF LESS THAN 50.

1005.2 DOOR ENGROACHMENT. DOORS, WHEN FULLY OPENED, AND HANDRAILS SHALL NOT REDUCE THE REQUIRED MEANS OF EGRESS WIDTH BY MORE THAN $7\,\mathrm{INCHES}$

SECTION 1007 ACCESSIBLE MEANS OF EGRESS
1007.1 ACCESSIBLE MEANS OF EGRESS REQUIRED.
EXCEPTIONS: 1. ACCESSIBLE MEANS OF EGRESS ARE NOT REQUIRED IN ALTERATIONS TO EXISTING BUILDINGS.

ICC 404.3.2 MANEUVERING CLEARANCE EXCEPTION: WHERE AUTOMATIC DOORS AND GATES REMAIN OPEN IN THE POWER-OFF CONDITION, COMPLIANCE WITH 404.2.4 SHALL NOT BE REQUIRED

1008.1.10 PANIC AND FIRE EXIT HARDWARE. DOORS SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE IN A GROUP A OCCUPANCY SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE OR FIRE EXIT HARDWARE .

1018.2 CORRIDOR WIDTH.
THE MINIMUM CORRIDOR WIDTH SHALL BE AS DETERMINED IN SECTION 1005.1, BUT NOT LESS THAN 44 INCHES (1118

EXCEPTION: 2. THIRTY-SIX INCHES (914 MM)—WITH A REQUIRED OCCUPANT CAPACITY OF LESS THAN 50.

IBC CHAPTER 11 ACCESSIBILITY 1103.2.3 EMPLOYEE WORK AREAS

SPACES AND ELEMENTS WITHIN EMPLOYEE WORK AREAS SHALL ONLY BE REQUIRED TO COMPLY WITH SECTIONS 907.5.2.3.2, 1007 AND 1104.3.1 AND SHALL BE DESIGNED AND CONSTRUCTED SO THAT INDIVIDUALS WITH DISABILITIES CAN APPROACH, ENTER AND EXIT THE WORK AREA. WORK AREAS, OR POPTIONS OF WORK AREAS, OTHER THAN RAISED COURTROOM GROUND OR FINISH FLOOR WHERE THE ELEVATION IS ESSENTIAL TO THE FUNCTION OF THE SPACE SHALL BE EXEMPT FROM ALI

1108.4 JUDICIAL FACILITIES. JUDICIAL FACILITIES SHALL COMPLY WITH SECTIONS 1108.4.1 THROUGH 1108.4.3.

1108.4.1 COURTROOMS.
EACH COURTROOM SHALL BE ACCESSIBLE AND COMPLY WITH SECTIONS 1108.4.1.1 THROUGH 1108.4.1.5.

1108.4.1.1 JURY BOX. A WHEELCHAIR SPACE COMPLYING WITH ICC A117.1 SHALL BE PROVIDED WITHIN THE JURY BOX EXCEPTION: ADJACENT COMPANION SEATING IS NOT REQUIRED.

1108.4.1.3 ASSISTIVE LISTENING SYSTEMS. AN ASSISTIVE LISTENING SYSTEM MUST BE PROVIDED. RECEIVERS SHALL BE PROVIDED FOR THE ASSISTIVE LISTENING SYSTEM IN ACCORDANCE WITH SECTION 1108.2.7.1.

1108.4.1.4 EMPLOYEE WORK STATIONS.
THE JUDGE'S BENCH, IN-COURT CLERK'S STATION, AND AND WITNESS STAND SHALL BE LOCATED ON AN ACCESSIBLE ROUTE THE VERTICAL ACCESS TO ELEVATED EMPLOYEE WORK STATIONS WITHIN A COURTROOM IS NOT REQUIRED AT THE TIME OF INITIAL CONSTRUCTION, PROVIDED A RAMP, LIFT OR ELEVATOR COMPLYING WITH ICC 4117.1 CAN BE INSTALLED WITHOUT REQUIRING RECONFIGURATION OR EXTENSION OF THE COURTROOM OR EXTENSION OF THE COURTROOM OR EXTENSION OF THE STATEMENT OF THE PROVIDED RECONFIGURATION OR EXTENSION OF THE COURTROOM OR EXTENSION OR THE COURTROOM OR EXTENSION OF THE COURTROOM OR EXTENSION OR THE COURTROOM OR EXTENSION O

ICC 206.2.4 EXCEPTION 1

RAISED COURTROOM STATIONS, INCLUDING JUDGES' BENCHES, SALL NOT BE REQUIRED TO PROVIDE VERTICAL ACCESS
PROVIDED THAT THE REQUIRED CLEAR FLOOR PSACE, MANEUVERING SPACE, AND, IF APPROPRIATE, ELECTRICAL SERVICE ARE
INSTALLED AT THE TIME OF INITIAL CONSTRUCTION TO ALLOW FUTURE INSTALLATION OF A MEANS OF VERTICAL ACCESS
COMPLYING WITH 405, 407, 408, OR 410, WITHOUT REQUIREING SUBSTATNTIAL RECONSTRUCTION OF THE SPACE.

1108.4.1.5 OTHER WORK STATIONS.
THE LITIGANT'S AND COUNSEL STATIONS, INCLUDING THE LECTERN, SHALL BE ACCESSIBLE IN ACCORDANCE WITH ICC A117.1.

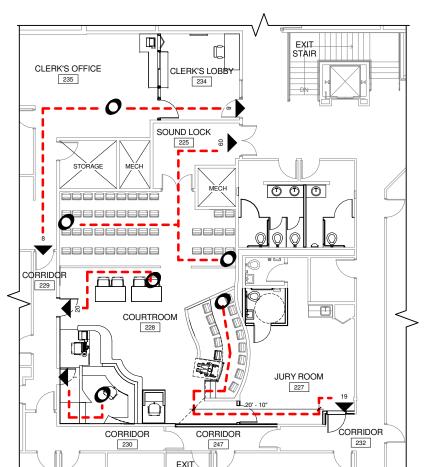
CHAPTER 29 PLUMBING SYSTEMS

TABLE 2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

A-3:
WATER CLOSETS: MALES: 50/125 = 0.4
LAVATORIES: 1 MALES: 50/200 = 0.25
DRINKING FOUNTAINS: 100/500 = 0.2
SERVICE SINK: 1 TOTAL $\begin{array}{ll} \text{FEMALES: } 50/65 &= 0.77 \\ \text{FEMALES: } 50/200 &= 0.25 \end{array}$

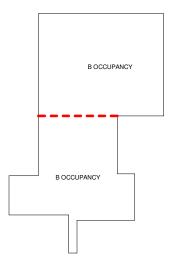
B: WATER CLOSETS: MALES: 30/25 = 1.2 LAVATORIES: MALES: 30/40 = 0.75 DRINKING FOUNTAINS: 60/100 = 0.6 SERVICE SINK: 1 TOTAL FEMALES: 30/25 = 1.2 FEMALES: 30/40 = 0.75

TOTAL REQUIRED PLUMBING FIXTURES: WATER CLOSETS: MALES = 2 LAVATORIES: MALES = 1 DRINKING FOUNTAINS: 1 SERVICE SINK: 1

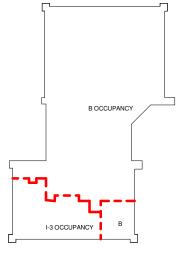




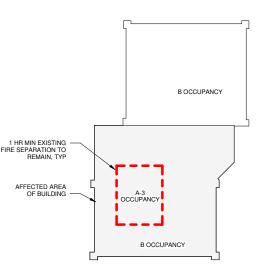
STAIR



BASEMENT



FIRST FLOOR



SECOND FLOOR

OCCUPANCY AND SEPARATION DIAGRAMS

BID DOCUMENTS

HOUSE: UPGRADES

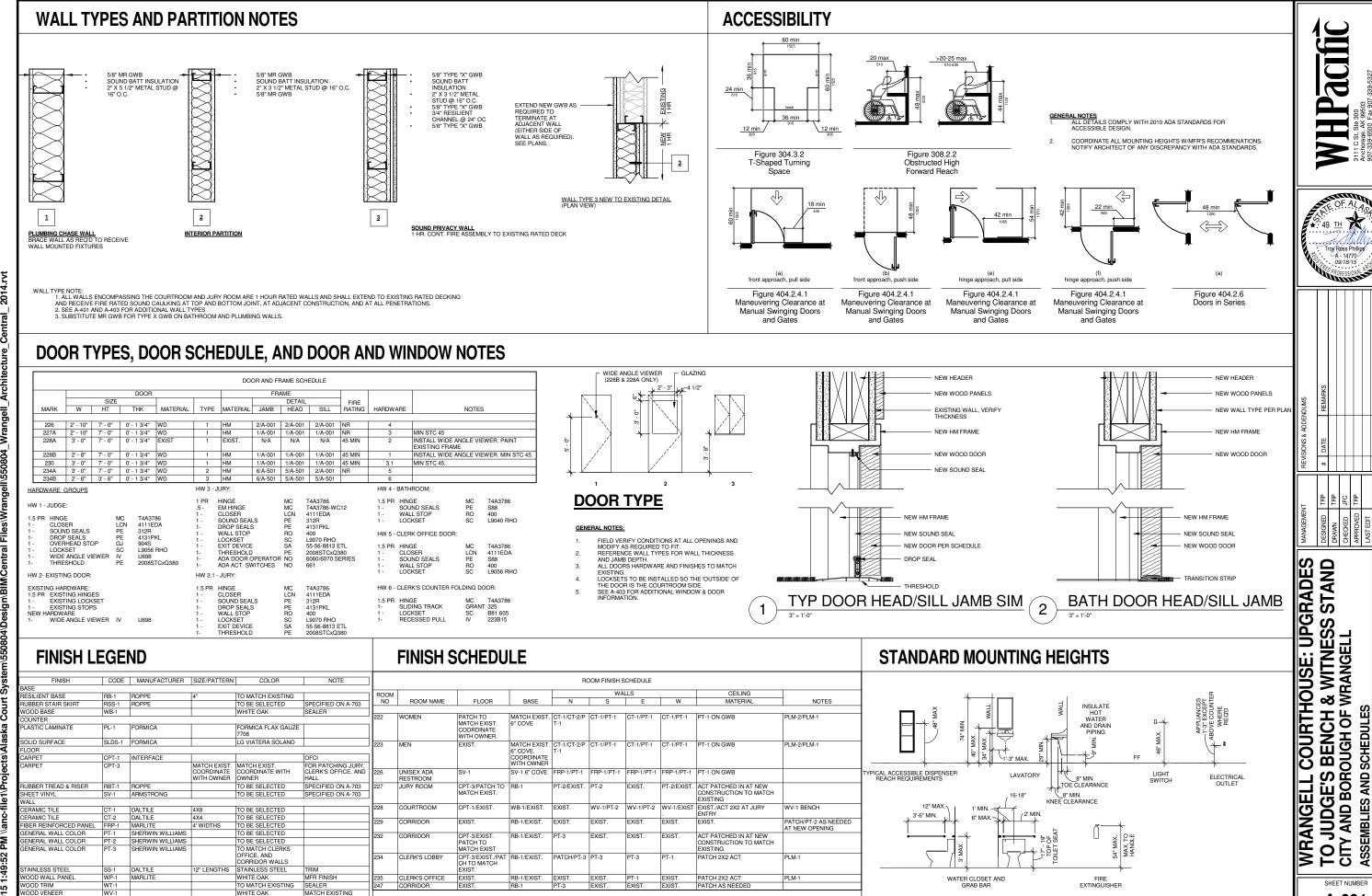
4 & WITNESS STAND

F WRANGELL COURTHOUS BENCIO

JUDGE'S Y AND BORC

SHEET NUMBER G-002

WRANGELL



NOTE: ROOMS 222 WOMEN, AND 223 MEN WILL BE BID AS ADDITIVE ALTERNATE 1 SEE A-105 FOR ADDITIONAL NEW CARPET LOCATIONS, WHICH WILL BE BID AS ADDITIVE ALTERNATE 2.

NOTE: REFER TO INTERIOR ELEVATIONS AND DETAILS FOR ADDITIONAL INFORMATION REGARDING FINISH LOCATIONS.

A-001

BID DOCUMENTS

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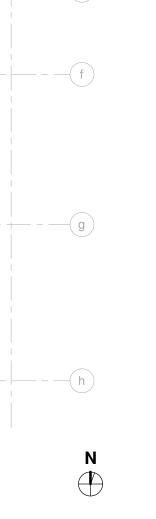
INTERVIEW

JAN

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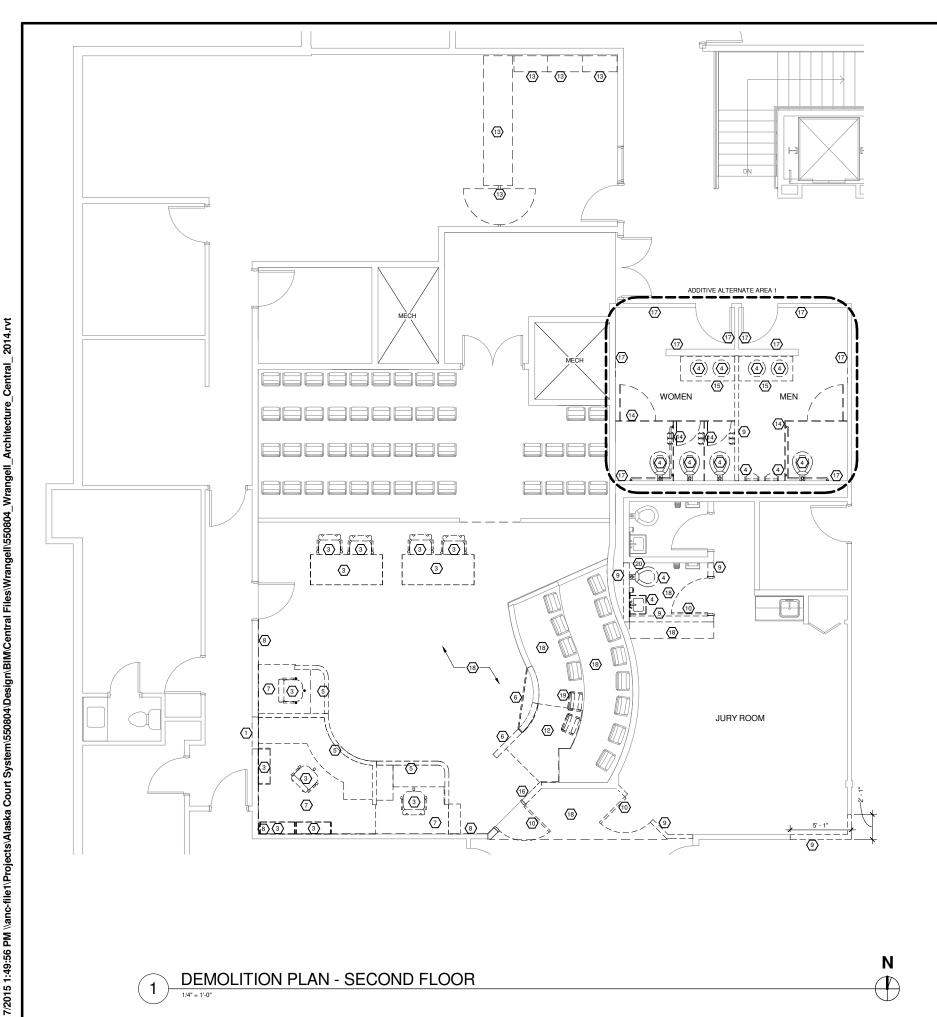
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KEY PLAN

WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL N SHEET NUMBER A-100 **BID DOCUMENTS**

EXISTING PLAN



DEMOLITION GENERAL NOTES

- 2 ALL WORK PERFORMED ON THIS BUILDING SHALL BE IN COMPLIANCE WITH ALL PERTINENT CODES, RULES, ORDINANCES AND REGULATIONS OF THE LOCAL AND STATE GOVERNING AUTHORITIES, SEPARATE "SITE SAFETY MANUAL."
- 3 ALL WORK PERFORMED AND IN CONNECTION WITH THESE DRAWINGS AND SPECIFICATIONS SHALL BE IN STRICT COMPLIANCE WITH THE LATEST OSHA SAFETY AND HEALTH STANDARDS MLS ELEC. SAFETY HANDBOOK #65-11294.
- 4 THESE DRAWINGS, BY THEIR NATURE, CANNOT REVEAL ALL CONDITIONS THAT EXIST ON THE SITE. SHOULD CONDITIONS BE FOUND TO VARY SUBSTANTIALLY FROM THESE DRAWINGS, CHANGES IN THE WORK WILL BE MADE WITH RESULTING CREDITS OR EXPENDITURES TO THE CONTRACT SUM ACCRUING TO THE OWNER
- 5 THE DRAWINGS INDICATE THE GENERAL LAYOUT AND DO NOT NECESSARILY REPRESENT A COMPLETE FIELD VERIFIED LAYOUT. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS WITHIN THE DEMOLITION AREAS, REPORT ANY DISCREPANCIES FOUND TO THE OWNER'S REPRESENTATIVE FOR CLARIFICATION BEFORE PROCEEDING.
- 6 ALL ELECTRICAL EQUIPMENT, CONDUIT, WIRING, ETC., INDICATED ON THE DRAWINGS DESCRIBED IN THE NOTES AND WHICH IS NOT REQUIRED TO FUNCTION AS PART OF THE FINAL SYSTEM, SHALL BE REMOVED IN ITS ENTIRETY. ALL REMOVED MATERIAL, UNLESS DESIGNATED FOR SALVAGE, SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS. SALVAGED ITEMS SHALL BE STORED ON SITE IN A LOCATION DESIGNATED BY THE OWNER'S REPRESENTATIVE.
- 7 WHERE IT BECOMES NECESSARY TO TEMPORARILY DISTURB SYSTEMS TO PERMIT EXECUTION OF THE DEMOLITION PROCESS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTRACT THE OWNER, THROUGH THE OWNERS REPRESENTATIVE, TO SCHEDULE A SHUTDOWN, THE DEMOLITION CONTRACTOR SHALL GIVE A MINIMUM OF 24-HOUR ADVANCE NOTICE FOR ANY SUCH GIVEN SHUTDOWN, IT THE SHUTDOWN INCLUDES MAJOR SYSTEMS, SUCH AS DOMESTIC FEED, HEAT, ELECTRICAL CAMP PANELS, ETC., TWO-WEEK NOTICE SHALL
- 8 ALL EXISTING EXTERIOR WALLS AND SURFACES (EXCLUSIVE OF FURRED AREAS). SHAFT WALLS, WALLS ADJACENT TO A DEMOLITION AREA TO REMAIN, SHALL BE PROTECTED FROM DAMAGE AND UNDISTURBED.
- 9 THE CONTRACTOR SHALL SCHEDULE HIS WORK WITH THE OWNER'S REPRESENTATIVE IN ORDER TO HAVE THE OWNER'S REPRESENTATIVE DISCONNECT AND RECONNECT ALL CIRCUITS ASSOCIATED WITH THE FIRE ALARM SYSTEM. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS WITH A LIFE SAFETY SYSTEM ON ELEMENTS THAT ARE INDICATED TO BE REMOVED.
- 10 ANY SALVAGE VALUE ASSOCIATED WITH DEMOLISHED ITEMS IS THE OWNER'S. THE CONTRACTOR SHOULD USE ANY SALVAGE VALUE AS A MEANS OF REDUCING THEIR BID PRICE.
- 11 THE CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF DISCONNECTING AND REMOVING ALL EQUIPMENT, PIPING, CONTROLS, ETC., COMPLETE BUT NOT REQUIRED TO FUNCTION UNDER THIS CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND CLEANUP OF ALL DEBRIS ASSOCIATED WITH THE DEMOLITION OF THESE ITEMS COMPLETE.
- 12 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND PAINTING ALL REMAINING OPENINGS IN THE INTERIOR WALLS, FLOORS, AND CEILING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING, ETC., OF ALL REMAINING OPENINGS THROUGH EXTERIOR WALLS AND ROOF.
- 13 IF DURING THE COURSE OF DEMOLITION, EXISTING UTILITIES ARE ENCOUNTERED, WORK IN THAT AREA IS TO BE HALTED UNTIL THE STATUS OF THE UTILITIES HAS BEEN ASCERTAINED BY THE OWNER AND AUTHORITY TO PROCEED GIVEN BY THE OWNER.
- 14 ALL CUTTING, DEMOLITION AND PATCHING OF EXISTING AND/OR NEW CONSTRUCTION OR EQUIPMENT IS TO BE PERFORMED BY THE CONTRACTOR WHO IS TO SUPPLY AND INSTALL THE NEW CONSTRUCTION AND/OR EQUIPMENT.
- 15 WALLS SCHEDULED FOR DEMOLITION ARE TO BE FIELD VERIFIED AS NON-LOAD BEARING PRIOR TO REMOVEL. CONTACT ARCHITECT IF LOAD BEARING WALLS ARE SHOWN TO BE REMOVED, AND LEAVE WALL IN PLACE UNTIL FURTHER INSTRUCTION IS PROVIDED

DEMOLITION NOTES

- (1) CUT EXISTING WALL OR PARTIAL WALL FOR DOOR.
- 2 *NOT USED
- (3) OWNER TO REMOVE FURNISHINGS.
- 4 REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURE
- (5) REMOVE EXISTING JUDGE'S BENCH, CLERK STATION, WITNESS STAND, CASEWORK, COUNTERTOPS, WALLS AND ASSOCIATED ELECTRICAL IN THEIR ENTIRETY.
- 6 REMOVE JURY OR SPECTATOR RAILING AND COUNTER.
- 7 REMOVE PLATFORM/STAIR STRUCTURE, RUBBER BASE, NOSING, AND FINISHES
- 8 REMOVE EXISTING FABRIC WALL COVERING FROM WALLS.
- 9 DEMOLISH EXISTING FULL HEIGHT WALL.
- (10) REMOVE EXISTING DOOR AND FRAME
- 11 *NOT USED (12) REMOVE PLATFORM AND 1 FLOOR MOUNTED JURY SEAT AS REQUIRED
- $\ensuremath{\mbox{\scriptsize 13}}$ REMOVE JS CLERK'S COUNTER, SWINGING DOOR, SHELVING AND ASSOCIATED TRIM
- (14) REMOVE WATER CLOSET PARTITION
- (15) REMOVE VANITY AND SINK
- (16) REMOVE DOOR AND ADJACENT WALL FRAMING TO EXTEND DOOR OPENING AS CLOSE AS POSSIBLE TO ADJOINING WALL
- 77 REMOVE TILE FINISH TO SUBSTRATE
- 18 REMOVE FINISH FLOOR
- (19) SALVAGE FLOOR MOUNTED CHAIR FOR REUSE
- REMOVE GWB TO INSTALL BLOCKING AS REQ'D FOR NEW WALL MOUNTED ITEMS



BID DOCUMENTS

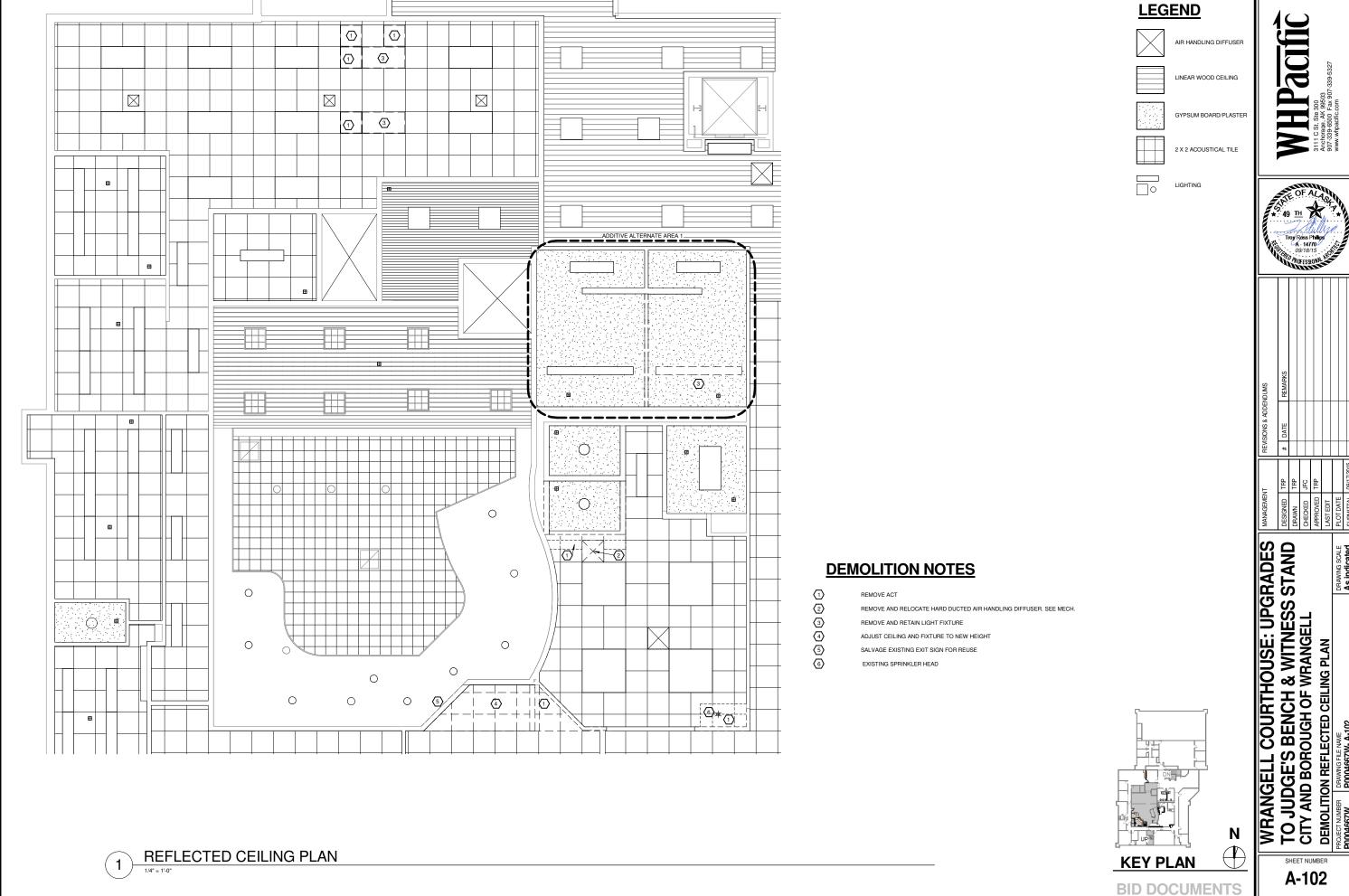


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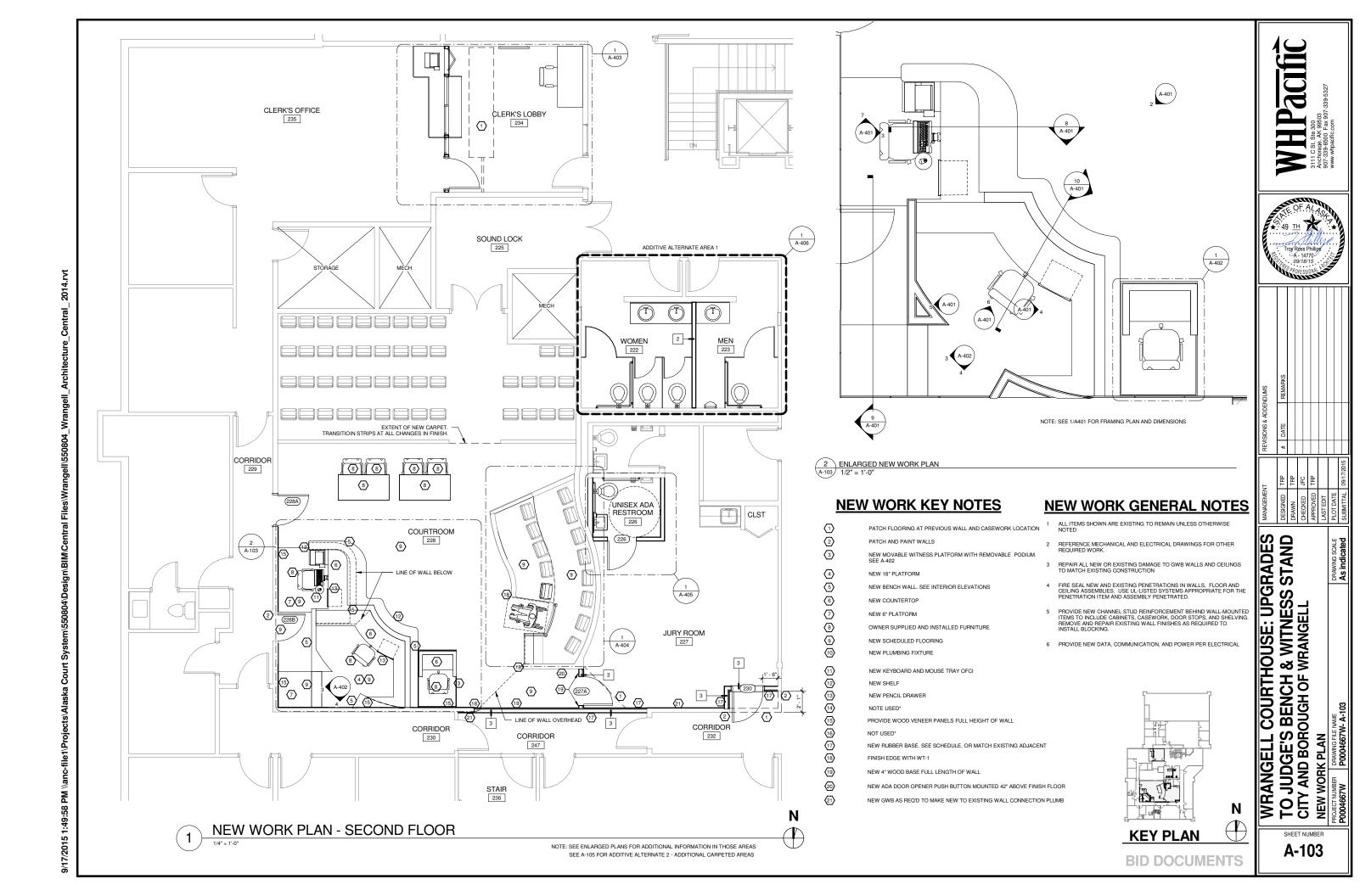
JUDGE'S **DEMOLITION PI**

SHEET NUMBER A-101

NGELL



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LEGEND

AIR HANDLING DIFFUSER



LINEAR WOOD CEILING



GYPSUM BOARD/PLASTER



2 X 2 ACOUSTICAL TILE



LIGHTING

NEW WORK KEY NOTES

1 MATCH ADJACENT ACT

5/8" GWB TO MATCH ADJACENT. BRACE AS REQUIRED

2
3 RELOCATE EXISTING LIGHT FIXTURE 4 5 6 7

HEADER WRAPPED WT-1

ADJUST CEILING AND FIXTURE TO NEW HEIGHT. REF 2/A-501

NEW TRANSFER GRILLE. REF MECH.

RELOCATE TRANSFER GRILLE. REF MECH.



N **KEY PLAN**

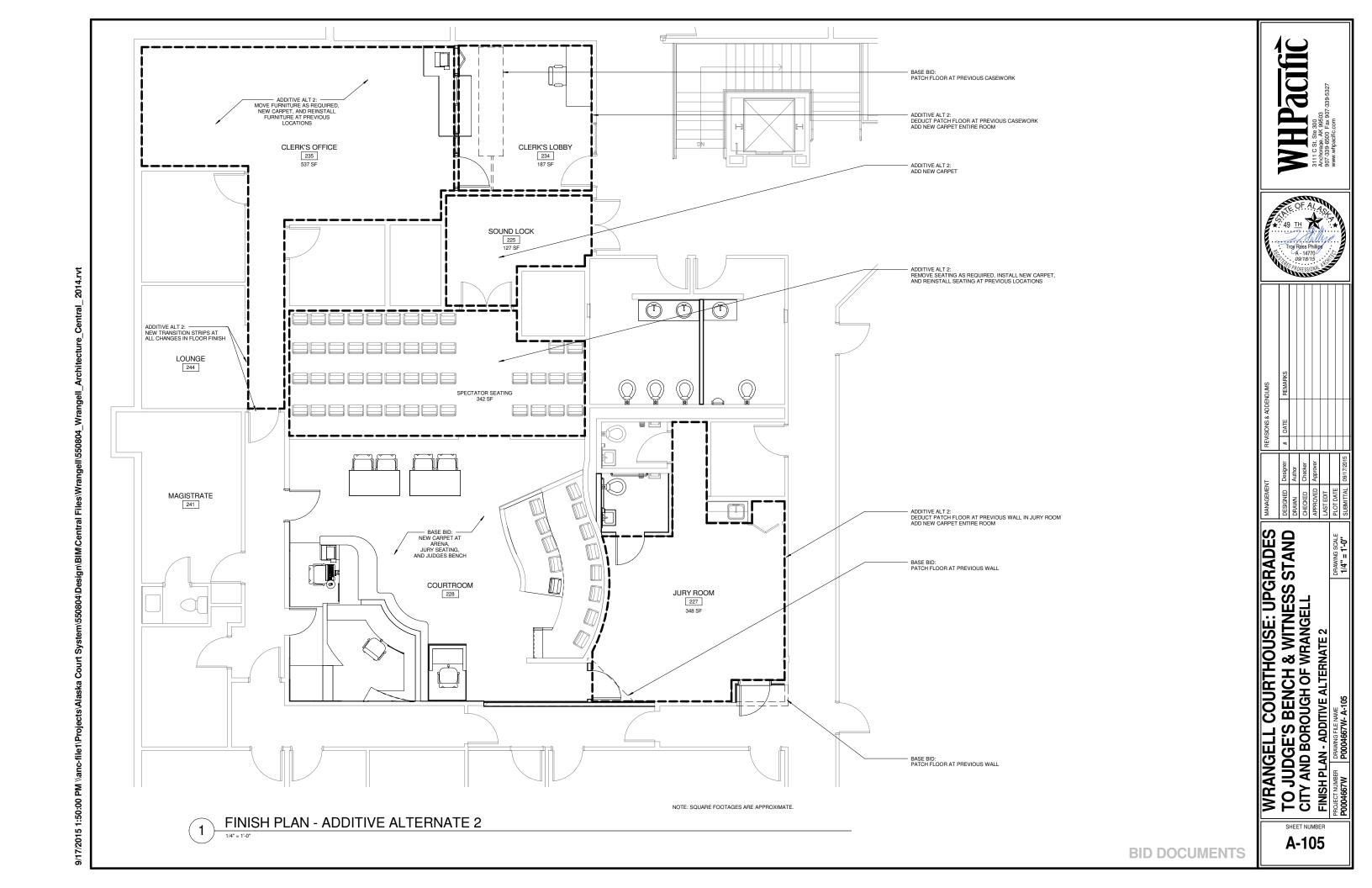
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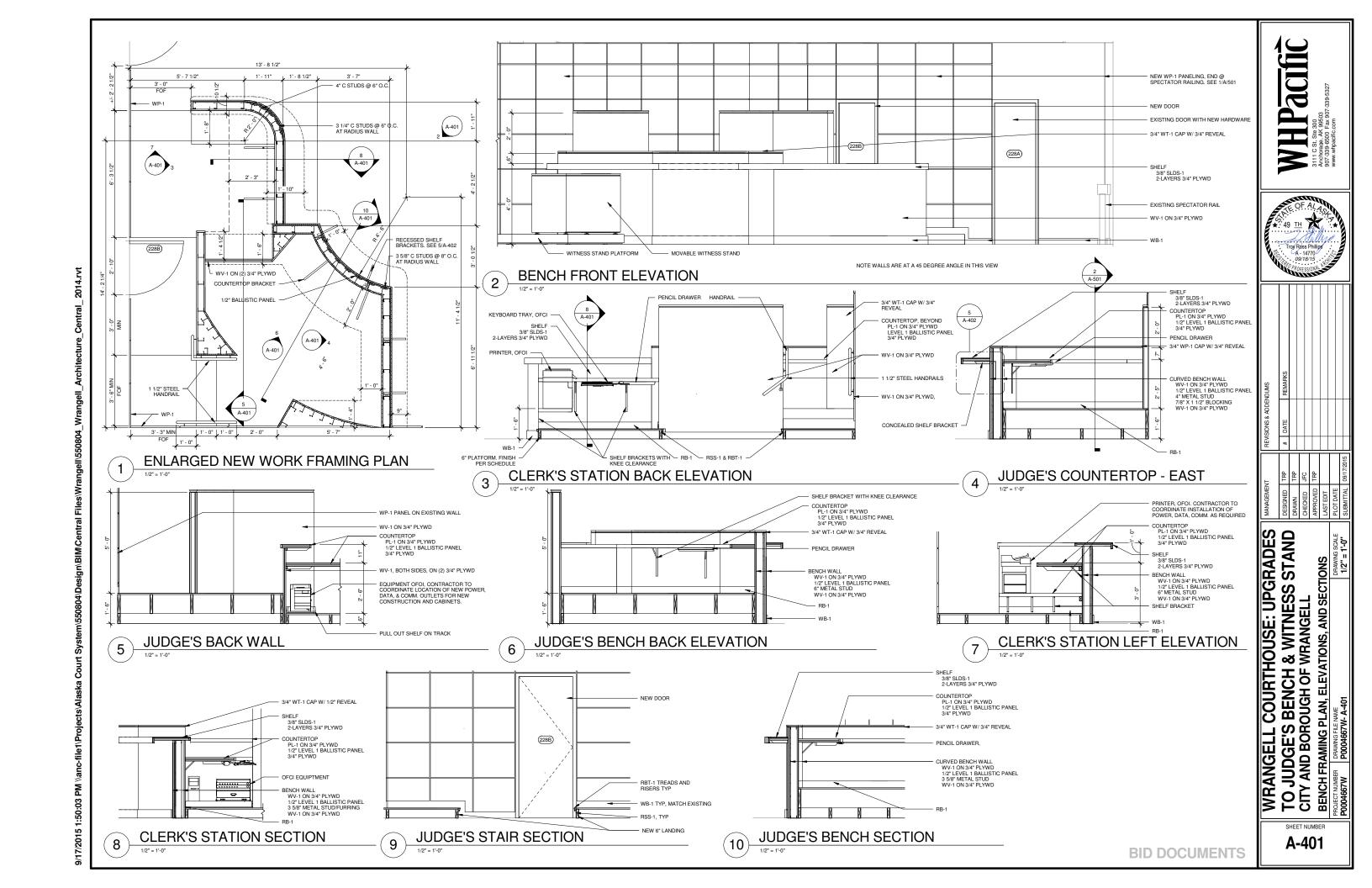
NEW WORK REFLECTED CEILING PLAN

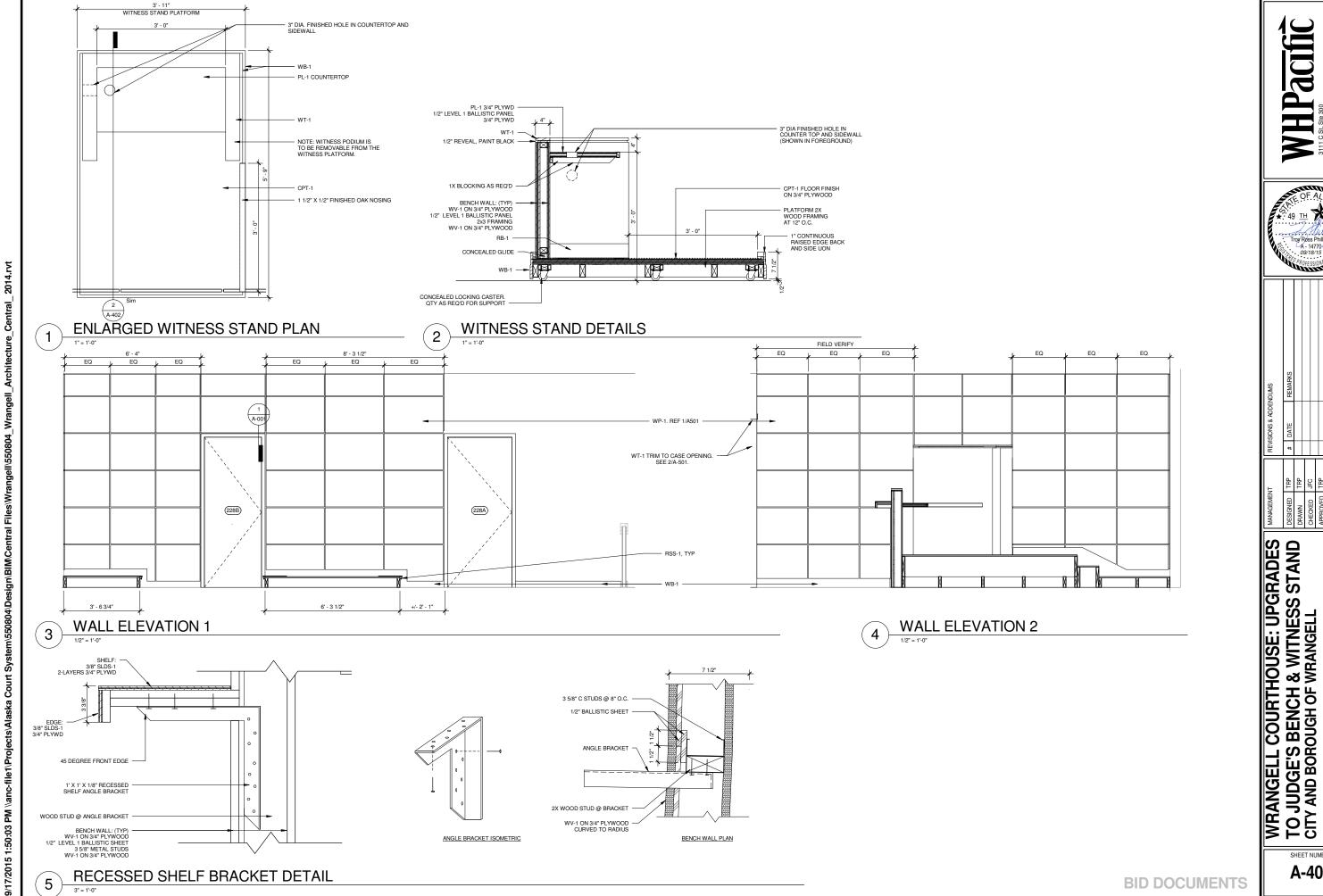
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WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL NEW WORK REFLECTED CEILING PLAN

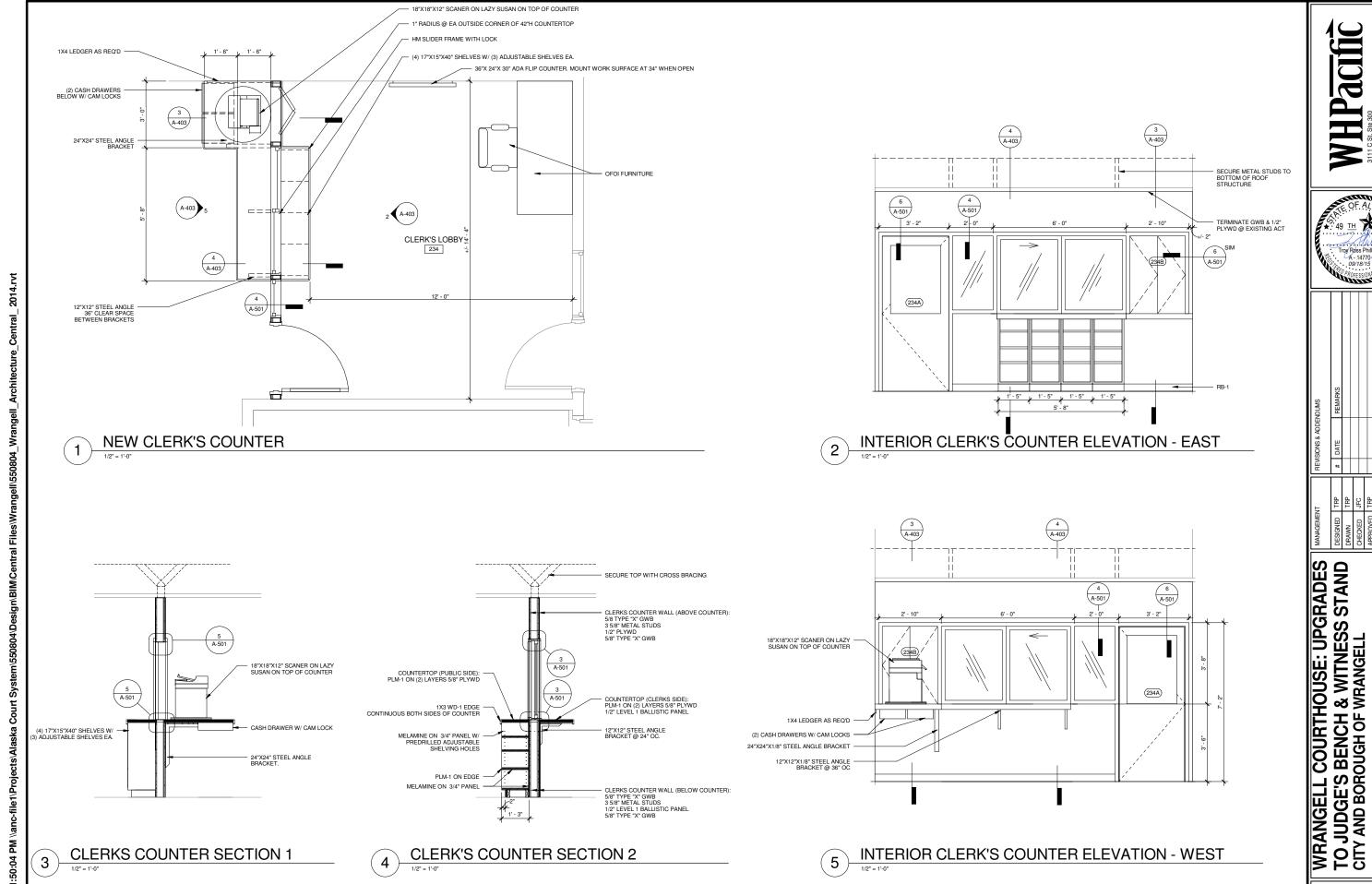
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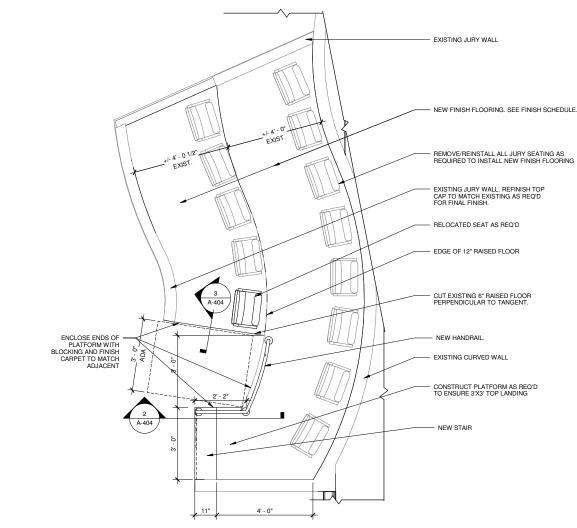
ENLARGED PLAN, ELEVATIONS, AND DETAIL SHEET NUMBER **A-402**



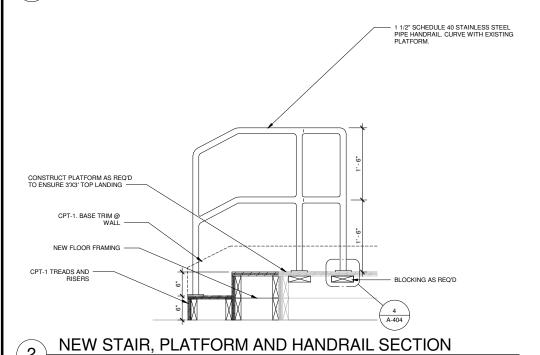
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SHEET NUMBER **A-403**

CLERKS COUNTER PLAN, ELEVATIONS, & SECTIONS ROLE'S INDIVIDUAL PROMING FILE NAME DO004667W P0004667W A 4403 P0004667W P000467W P00047W P000467W P00047W P0004

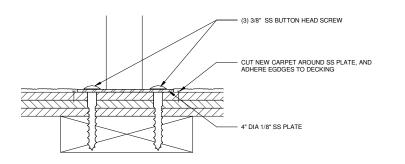


ENLARGED JURY FRAMING PLAN



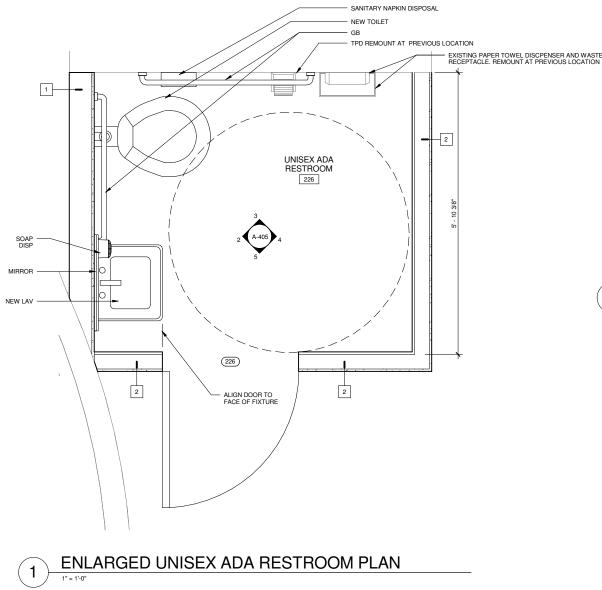
FINISH CARPET EDGE END BLOCKING LAPPED WITH EXISTING DECKING

NEW END @ EXISTING PLATFORM SECTION



HANDRAIL ANCHOR DETAIL

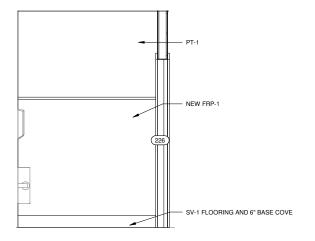
WRANGELL COURTHOUSE: UPGRADES
TO JUDGE'S BENCH & WITNESS STAND
CITY AND BOROUGH OF WRANGELL
CITY AND BOROUGH OF WRANGELL
ENLARGED JURY SEATING PLAN, RAIL DETAIL, & SECTIONS
PROCECTIVING PROCECTIVING PLAN, RAIL DETAIL, RAIL DETAIL, RAIL DETAIL, RAIL DETAIL, RAIL DETAIL PLAN, RAIL PLAN, SHEET NUMBER

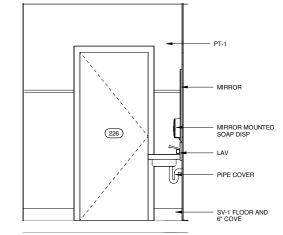


NEW FRP-1 REINSTALL EXISTING PAPER TOWEL DISCPENSER AND WASTE RECEPTACLE. MIRROR SANITARY NAPKIN PIPE COVER TOILET -TOILET SV-1 FLOORING AND 6" BASE COVE

ADA RESTROOM ELEVATION - WEST

ADA RESTROOM ELEVATION - NORTH





ADA RESTROOM ELEVATION - EAST

ADA RESTROOM ELEVATION - SOUTH

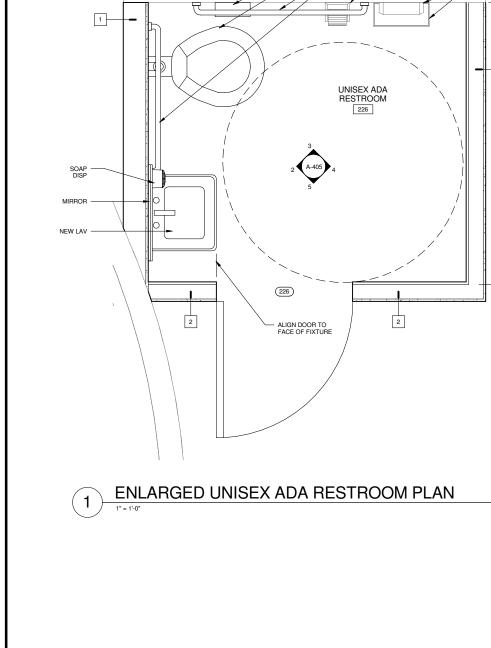
INTERIOR ELEVATION GENERAL NOTES

- REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION
- 3. REFER RCP FOR CEILING WORK
- 4. ITEMS NOT SHOWN ARE EXISTING TO REMAIN UON



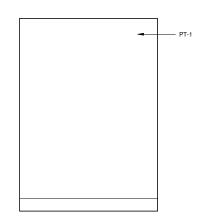
BID DOCUMENTS

SHEET NUMBER A-405



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EXISTING DOOR TO REMAIN. NEW ADA OPERATOR HARDWARE AS REQUIRED. EXISTING FLOOR AND BASE COVE



WOMEN'S RESTROOM ENTRY - NORTH

WOMEN'S RESTROOM ENTRY - SOUTH

NEW RECEPTACLE & PREVIOUS MOUNTING HEIGHT SS-1 OUTSIDE CORNER TRIM VALVE ACCESS NEW FINISH FLOOR AND BASE COVE AT NEW WALL: MATCH EXISTING. COORDINATE WITH OWNER.

ENLARGED PLAN KEY NOTES

1 NEW LAVATORY

 $\overline{2}$ REUSE EXISTING TOILET PAPER DISPENSER

NEW WORK PLAN - PUBLIC RESTROOM

3 REUSE EXISTING GRAB BAR

NEW TOILET

 $\langle 4 \rangle$ (5) (6) NEW SS RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE

 $\overline{\bigcirc}$ NEW PUSH BUTTON DOOR OPENER. RETROFIT DOOR WITH NEW HARDWARE REQUIRED. BASIS FOR DESIGN, MCKINNY LECTRO MAGNETIC HINGE T-443786-GG12, NORTON ADA DOOR OPERATOR 6060/6070 SERIES, AND NORTON ADA ACT. SWITCHES 661.

8 MATCH EXISTING SHEET VINYL FINISH FLOORING, COORDINATE WITH OWNER

9 NEW URINAL

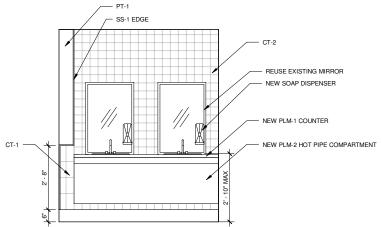
(10) REUSE EXISTING SEAT COVER DISPENSER

 $\overline{\Box}$ NEW COUNTER AND HOT PIPE COVER

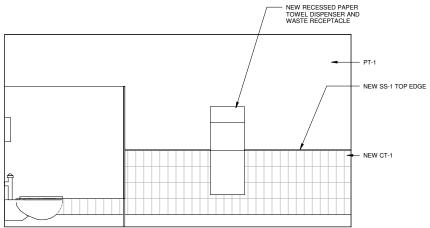
(12) REUSE EXISTING MIRROR AND NEW MIRROR MOUNTED SOAP DISPENSER

SANITARY NAPKIN DISPOSAL

WOMEN'S RESTROOM - SOUTH



WOMEN'S RESTROOM - EAST



INTERIOR ELEVATION GENERAL NOTES

- REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION
- 3. REFER RCP FOR CEILING WORK
- 4. ITEMS NOT SHOWN ARE EXISTING TO REMAIN UON

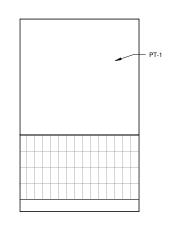
WOMEN'S REST ROOM - NORTH 6

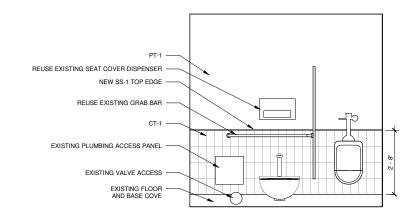
WOMEN'S REST ROOM - WEST

TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL

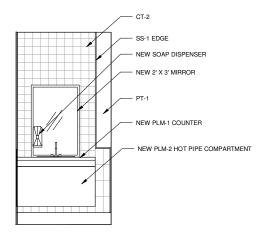
SHEET NUMBER

NOTE: THE WORK DEPICTED ON THIS SHEET IS TO BE BID AS AN ADDITIVE ALTERNATE 1 BID DOCUMENTS





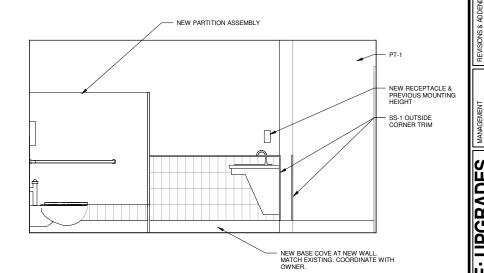
MEN'S RESTROOM ENTRY - SOUTH



MEN'S RESTROOM - EAST

MEN'S RESTROOM - NORTH

MEN'S RESTROOM - SOUTH

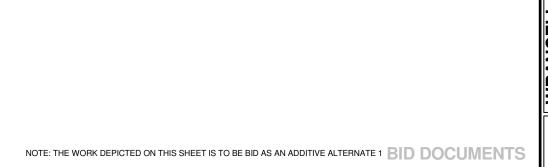


MEN'S RESTROOM - WEST

INTERIOR ELEVATION GENERAL NOTES

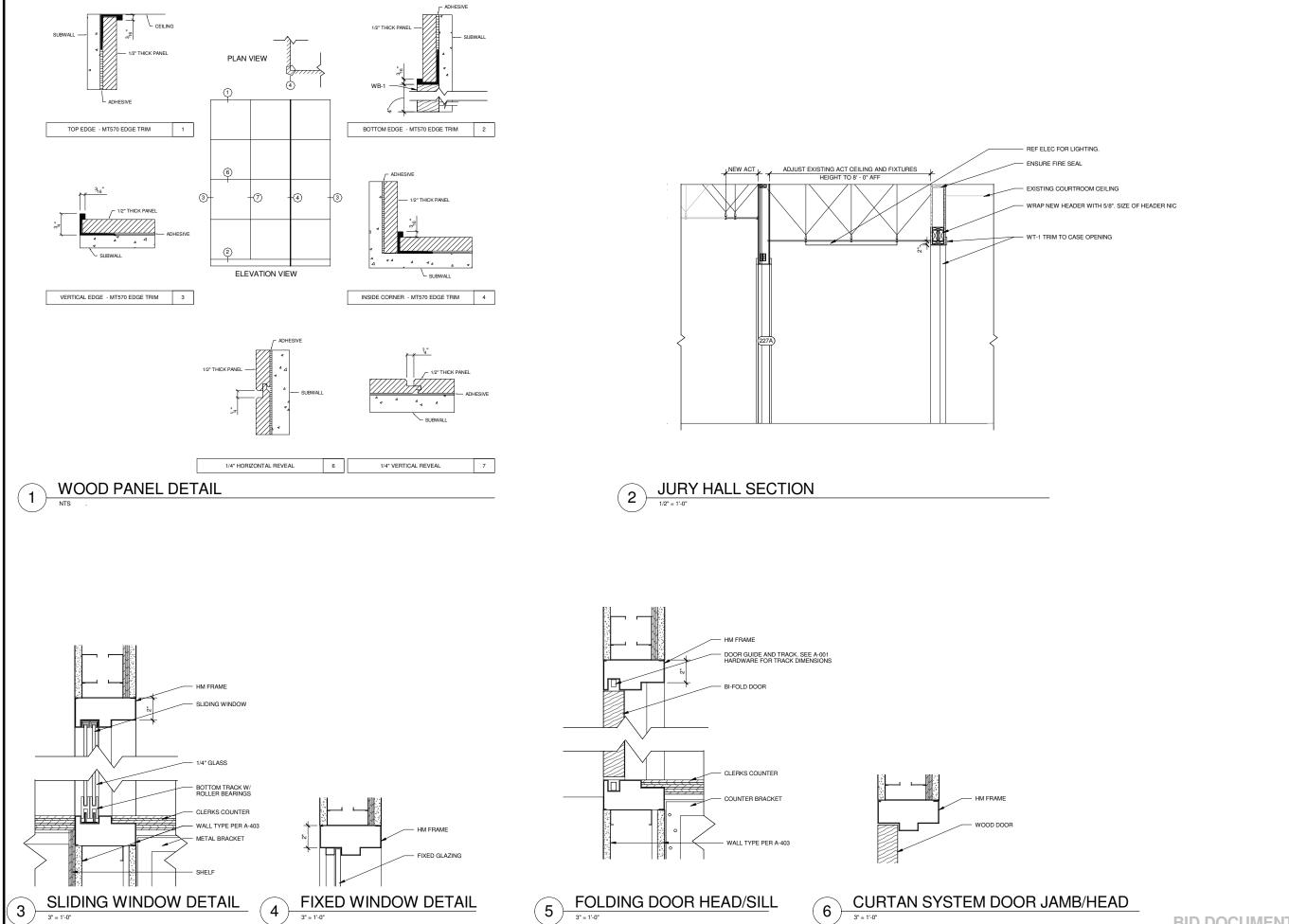
- NEW RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE

- REFER TO A-001 FOR STANDARD MOUNTING HEIGHTS AND FINISH LEGEND
- REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION
- 3. REFER RCP FOR CEILING WORK
- 4. ITEMS NOT SHOWN ARE EXISTING TO REMAIN UON



WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL PUBLIC ADA BATHROOM ELEVATIONS

SHEET NUMBER



BID DOCUMENTS

WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL

SHEET NUMBER

1 DEMOLITION:

2014.rvt

Central

1:50:09

A. Definitions:

- 1. Remove: Detach items from existing construction and legally dispose of them off-site unless indicated to be removed and salvaged or removed and reinstalled.
- Remove and Salvage: Carefully detach from existing construction, in a manner to prevent damage, and deliver to Owner ready for reuse.
- Remove and Reinstall: Detach items from existing construction, prepare for reuse, and reinstall where indicated
- Existing to Remain: Existing items of construction that are not to be permanently removed and that are not otherwise indicated to be removed. removed and salvaged, or removed and reinstalled.
- B. All work performed on this building shall be in compliance with all pertinent codes, rules, ordinances and regulations of the local and state governing authorities.
- All work performed shall be in strict compliance with the latest OSHA Safety and Health Standards MLS Electric Safety Handbook #GS-11294.
- Hazardous Materials: Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
 - 1. If suspected hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.
- E. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
 - 1. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping, to minimize disturbance of adjacent surfaces. Temporarily cover openings to
 - Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
 - Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain fire watch and portable fire-suppression devices during flame-cutting operations.
 - Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
- Dispose of demolished items and materials promptly.
- Generally, remove existing improvements as noted or shown on the demolition plan.
- General construction:
 - Remove walls, existing bathroom fixtures, doors, frames, benches, work stations. witness stand, railings, counters, countertop, base cabinets, overhead cabinets, sink, platform/stair structure

- rubber base, nosing, and existing fabric wall covering.
- Remove decals, signs, specialties, anchors, nails, screws, and other hardware not being used.
- Remove floor finish and base. Patch or otherwise repair floor and install new Owner Furnished flooring. Removed carpet tiles may be reused.
- Owner to remove all furnishings unless noted otherwise on Drawings.

Electrical:

- Remove all electrical and communications conduit, boxes, devices and wiring not being used
- Remove surface mounted wiring and raceways where exposed.
- Reconfigure lighting fixtures, switching, emergency lights, fire alarm devices and night lights as dictated by new wall configuration.
- Removed and Reinstalled Items:
 - Clean and repair items to functional condition adequate for intended reuse.
- Pack or crate items after cleaning and repairing. Identify contents of containers.
- Protect items from damage during transport and storage.
- Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.
- Existing Items to Remain: construction indicated to remain against damage and soiling during selective demolition. When permitted by Owner's On-Site Representative, items may be removed to a suitable, protected storage location during selective demolition and cleaned and reinstalled in their original locations after selective demolition operations are complete.
- Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began

DIVISION 03: CONCRETE (Not Used)

DIVISION 04: MASONRY (Not Used)

DIVISION 05: METALS

A. Provide miscellaneous metals, plates, brackets, hangers, clips, etc. as necessary.

DIVISION 6: WOOD AND PLASTICS

1. ROUGH CARPENTRY:

- A. Framing Other Than Non-Load-Bearing Interior Partitions: Construction or No. 2 grade.
 - Application: Framing other than interior partitions.
 - - a. Douglas fir-larch; WCLIB or WWPA.
 - b. Hem-fir; WCLIB or WWPA.
- B. Provide 2x, solid blocking inside walls for supporting items attached to walls.

2. FINISH CARPENTRY

A. General:

1. Includes all interior finish carpentry work including wood furring, blocking, shims, and hanging strips for installing the work.

unless concealed construction

B. Action Submittals:

- Product Data: For each type of product, including panel products, highpressure decorative laminate, adhesive for bonding plastic laminate, melamine, fire-retardant-treated materials and cabinet hardware and accessories.
- Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.
 - a. Show locations and sizes of furring blocking, and hanging strips, including concealed blocking and reinforcement specified in other
 - b. Show locations and sizes of cutouts and holes for electrical switches and outlets and other items installed in finish carpentry work.
 - Apply AWI Quality Certification Program label to Shop Drawings.
- Samples for Initial Selection:
- Plastic laminates.
- Solid surface countertop.
- Thermoset decorative C. panels (melamine)

Samples for Verification

- Plastic laminates, 8 by 10 inches for each type, color, pattern, and surface finish, with one sample applied to core material and specified edge material applied to one edge.
- Wood-grain plastic laminates, 12 by 24 inches, for each type, pattern and surface finish with one sample applied to core material and specified edge material applied to one edge.
- decorative Thermoset (melamine), 8 by 10 inches, for each color, pattern, and surface finish. with edge on one edge.
- Exposed hardware and accessories for each type and finish.
- Finished wood veneer and wood

C. Informational Submittals:

- Qualification Data: For fabricator.
- Product Certificates: For each type of product
- Woodwork Quality Standard Compliance Certificates: AWI Quality Certification Program certificates.

D. Quality Assurance:

- 1. Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful inservice performance. Shop is a certified participant in AWI's Quality Certification Program.
- Installer Qualifications: Fabricator of products or certified participant in AWI's Quality Certification Program.

E. Materials:

- Countertop Substrate: Double layer 3/4" plywood. Edge band with 3/4 inch wood edge with laminate face
- Open Shelving: 3/4 inch plywood with plastic laminate finish on top and melamine bottom faces unless otherwise noted with wood edge with laminate face on all (4) edges.

- Fiberglass Ballistic Panel: 1/2 inch Level 1 Ballastic Panel as manufactured by North American Bullet Proof or approved equal.
- Laminate Grades: 'Formica', 'Wilsonart' or
 - a. Horizontal Surfaces: Grade HGS.
 - Post-formed Surfaces: Grade HGP.
 - Vertical Surfaces: Grade HGS. Edges: Grade HGS.
 - Pattern Direction: Vertically for fixed panels.
- For semi-exposed backs of panels with exposed plastic-laminate surfaces, provide surface of high-pressure decorative laminate. NEMA LD 3. Grade
- Concealed Backs of Panels with Exposed Plastic-Laminate Surfaces: High-pressure decorative laminate. Grade BKL.
- Colors: To be selected.

Hardware Accessories

- General: Provide hardware and accessory materials associated with casework and shelving.
- Metal Shelf Bracket: Heavy duty shelf bracket, 0.20 x 13/16 inch cold-rolled steel, load rated at 1,000 pounds per pair.
- a. Brackets to meet or exceed ANSI performance standards as established by BHMA A156.9
- Brackets countertops to be nonintrusive in knee space.
- Finish: To be selected from manufacturer's standard finishes.
- Keyboard Slides: Grade 1HD-100; for computer keyboard shelves.
- Grommets for Cable Passage through Countertops: 1-1/4-inch OD, color to be selected, molded-plastic grommets and matching plastic caps with slot for wire
- For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in BHMA A156.9.
- Keyboard Trays: Owner furnished, Contractor installed
- Pencil Drawer: Pre-manufactured pencil drawer as manufactured by Hafele or approved equal. Drawer to meet the following:
 - Model HA429.59.350
 - 23.25 inch wide x 18-25 inch deep.
 - Extended depth: 29 inches.
- Industrial grade, steel ball bearing slides.
- Under counter mounting brackets.
- Pre-Manufactured Cash Drawer:

- Pre-manufactured , single media slot, Series 4000 cash drawer as manufactured by APG Cash Drawer to meet the following
- Model 1317, 13-3 inch wide x 17.2 inch deep x 4.2 inch high
- Black front and case.
- 4 bill, 4 coin fixed assembly till.
- Industrial grade, steel ball bearing
- Tested to beyond 4 million operations.
- Under till storage area.
- Closed and latched drawer status
- Four function lock.
 - 1) Each cash drawer to be keyed independently. 2) Three keys for each cash
- drawer. Under counter mounting brackets.



HOUSE: UPGRADES

4 & WITNESS STAND

= WRANGELL

WRANGELL COURTHOUSI TO JUDGE'S BENCH & WIT CITY AND BOROUGH OF WRAN

SHEET NUMBER A-701 Casework shown has been designed based on plastic-laminate-faced architectural cabinets and includes wood furring, blocking, shims, and hanging strips for installing plastic-laminate-faced architectural cabinets unless concealed within other construction.

Action Submittals:

Central

1. Product Data: For each type of product, including panel products, highpressure decorative laminate, adhesive for bonding plastic laminate, melamine, fire-retardant-treated materials and cabinet hardware and accessories.

Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.

a. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections

Show locations and sizes of cutouts and holes for electrical switches and outlets and other items installed in architectural plastic-laminate

Apply AWI Quality Certification Program label to Shop Drawings.

Samples for Initial Selection:

Plastic laminates.

Solid surface countertop.

Thermoset decorative panels (melamine)

Samples for Verification:

Plastic laminates, 8 by 10 inches for each type, color, pattern, and surface finish, with one sample applied to core material and specified edge material applied to one edge.

Wood-grain plastic laminates, 12 by 24 inches, for each type, pattern and surface finish with one sample applied to core material and specified edge material applied to one edge.

Solid surface material, 6 inch square. Thermoset decorative panels

(melamine), 8 by 10 inches, for each color, pattern, and surface finish, with edge on one edge.

Exposed cabinet hardware and accessories for each type and finish.

Informational Submittals:

Qualification Data: For fabricator.

Product Certificates: For each type of product.

Woodwork Quality Standard Compliance Certificates: AWI Quality Certification Program certificates.

D. Quality Assurance:

1. Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful inservice performance. Shop is a certified participant in AWI's Quality Certification Program.

Installer Qualifications: Fabricator of products or certified participant in AWI's Quality Certification Program.

E. Materials:

Countertop Substrate: Double layer 3/4" plywood. Edge band with 3/4 inch wood edge with laminate face.

Custom built or premanufactured, premium grade. Flush overlay with plastic laminate where indicated surfaces, including face, tops, bottoms, ends, splash, returns, and cabinets interiors. Plywood substrate.

Laminate Grades: 'Formica', 'Wilsonart' or Equal:

Horizontal Surfaces: Grade HGS.

Post-formed Surfaces: Grade HGP.

Vertical Surfaces: Grade HGS. Edges: Grade HGS.

Pattern Direction: Vertically for fixed

Solid Surface Material:

a. Homogeneous solid sheets of filled plastic resin complying with ISSFA-2.

Standard type unless Special Purpose type is indicated.

Grade: Premium.

Colors and Patterns: To be selected from manufacturer's full range.

Concealed Backs of Panels with Exposed Plastic-Laminate Surfaces: High-pressure laminate. decorative Grade BKL

Colors: To be selected.

F. Hardware:

Four inch, brushed stainless steel, wire 2.

Locks: At pocket sliding doors, provide locking/latching mechanism on Clerk's side of sliding doors.

4. STAIRWORK AND RAILS

Grade: Premium.

Wood Species and Cut for Transparent Finish: To match existing

Finishes for Stair Parts: As follows:

Treads: Transparent

Risers: Transparent

Stringers: Transparent

Handrails: Transparent

5. INTERIOR WOOD TRIM

Hardwood Lumber Trim for Transparent Finish (Stain or Clear Finish):

Species and Grade: White Oak to match

Maximum Moisture Content: 13 percent.

Finger Jointing: Not allowed.

Gluing for Width: Use for lumber trim wider than 6 inches (150 mm).

Face Surface: Surfaced (smooth)

Matching: Selected for compatible grain and

PREFINISHED WOOD PANELING

Hardboard Paneling: Interior factory-finished hardboard paneling complying with AHA 135.5. Veneer of paneling to match existing finishes.

Thickness: 1/8 inch.

Finish: Class I.

Species and Finish: To match existing.

Surface-Burning Characteristics: follows, tested according to ASTM E 84: a. Flame-Spread Index: 25 or less.

b. Smoke-Developed Index: 450 or less.

MODULAR WOOD PANELING

General: Decorative interior wall surface system, Surface Systems Map as manufactured by Marlite or approved equal.

Action Submittals:

1. Product Data: For each type of product and accessories

2. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.

Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.

Samples for Initial Selection:

Decorative panels.

Samples for Verification:

Decorative panels, 8 by 10 inches, for each color, pattern, and surface finish, with edge on one edge.

System to consist of decorative pre-finished wall surfacing system and trim.

Materials:

Panels: Nominal 24 inch x 24 inch.

Finish: Wood veneer, White Oak to match existing.

Wood fiber substrate coated with a furniture grade catalyzed finish.

3/4 inch thick, square cut, and sealed.

Veneer to exhibit individual features and character marks

Grain direction to be manufacturer's standard (vertical).

Trim: Heavy duty extruded aluminum 6063-T5 alloy prefinished at the factory. Panel frames to be radius profile with manufacturer's standard edge trim. Finish to be black satin anodized aluminum.

DIVISION 07: THERMAL AND MOISTURE PROTECTION

INSULATION

References

ASTM C 423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.

Provide batt insulation meeting ASTM C 423 in walls where sound batt insulation is

Sound Control by Thermafiber

NoiseReducer by CertainTeed

Sound Control Batts by Johns Manville

4. Or approved equal.

DIVISION 08: OPENINGS

A. Provide new door and frame where indicated on Drawings

DOOR FRAMES: (Also see drawings)

A. Pre-finished, shop fabricated, 16 gauge welded hollow metal frames with mitered corners and no exposed fasteners (Timely or equal). Finish to match existing.

DOOR TYPES: (Also see drawings)

Solid core wood. Stain grade veneer to match existing, book match.

DOOR HARDWARE:

A. General:

Provide hardware on new and existing doors as indicated in Hardware Schedule

Basis of Design: Manufacturer's listed on Hardware Schedule are to establish a standard of function and quality. Subject to compliance with requirements, provide products indicated or an approved equal product.

Hinge: Ives (IV), McKinney (MC), Hager Hinge (HA), Lawrence Brothers (LA), Stanley (ST), or approved equal.

Lockset: Schlage (SC), Sargent (SA), Best (BE), or approved equal.

Keyed Cylinder: Schlage (SC) or approved equal.

Closers: LCN (LCN), Falcon (FA), Norton (NO), or approved equal.

Wall Stop: Rockwood (RO) Trimco (TR) or approved equal. Overhead Stop: Glynn Johnson (GJ) or

approved equal. Door Stop: Sargent (SA) or approved

egual. Sound Seals and Drop Seals: Pemko

(PE) or approved equal. Silencers: Trimco (TR) or approved

Thresholds: Pemko (PE) or approved

11. Wide Angle Viewer: Ives (IV) or approved egual

12. All new hardware to match existing style and finish. Contractor to field verify hardware style and finish.

Installation

Provide keying per Owner specifications.

5. GLAZING

A. Submittals: 1. Product Data: For each glass product and glazing material indicated.

Product, General:

1. Thickness: Where glass thickness is indicated, it is a minimum. Provide glass lites in thicknesses as needed to comply with requirements indicated.

Laminated Glass: ASTM C 1172, and complying with testing requirements in 16 CFR 1201 for Category II materials, and with other requirements specified. Use materials that have a proven record of no tendency to bubble, discolor, or lose physical and mechanical properties after fabrication and installation

Glazing Sealants:

1. Compatibility: Provide sealants that are compatible with one another and with other materials they will contact including glass products and glazing channel substrates, under conditions of service and application as demonstrated by sealant manufacturer based on testing and field experience.

2. Suitability: Comply with sealant and glass manufacturer's written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.

Glazing Tapes: Preformed, butyl-based, 100 percent solids elastomeric tape; nonstaining and nonmigrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; and complying with ASTM C 1281 and AAMA 800.

Installation: Install in strict accordance with manufacturer's recommended installation

Remove and replace glass that is broken, chipped, cracked, or abraded or that is damaged from natural causes, accidents, and vandalism, during construction period.

DIVISION 09: FINISHES

METAL FRAMING SYSTEMS Materials:



WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL

SHEET NUMBER A-702 Central

- RC-1 Resilient Channel.
- 3. Metal Hat Channels.

2. GYPSUM BOARD:

General:

- 1. Repair holes in gypsum board, including where wall and counter demolition occurs and electrical and communication devices are removed
- 2. Provide new gypsum board and finish for walls and toilet ceilings as noted.
- Refinish existing walls where damaged, affected by new Work, or not consistent with specified finish. Refinish entire length of walls affected by this work. Spot patching will not be acceptable.

Materials:

- 5/8" thick, Type 'X', tapered edges.
- 5/8" thick, Moisture Resistant on inside face of restroom.
- Galvanized accessories, including but not limited to 'L' metal and corner beads.

Installation:

- Screw attach all gypsum board.
- Tape and provide three coat finish of all joints, corners and repairs.
- Remove texture and re-finish entire length of any wall affected by this project.
- 4. Smooth Wall' finish.

PAINT:

Scope: A.

- Paint (or re-paint) all gypsum board.
- Finish new wood doors and woodwork.
- Paint all metal door frames, factory primed items and other visible misc. metals

Materials:

- 1. Gypsum Board, paint finish:
 - One coat primer sealer and two coats latex at new work; two coats latex at repainted areas. Gloss to

- a. One coat primer and two coats alkyd enamel for new items. One coat alkyd enamel over existing items. Omit primer at factory primed items. Gloss to match existing
- Wood Trim (New and Refinished to Match Existing):
 - Sand all trim to smooth finish surface suitable for staining.
- One coat semi-transparent oil stain, and two coats oil base varnish. Use products with no volatile Organic
- compounds (VOC). Sherwin Williams, Benjamin Moore, ICI,
- Pittsburgh or equal.

Installation:

- Post all required warning signs and provide material data sheets to the Owner for their files
- In occupied spaces or spaces with common atmospheres with occupied spaces, paint only after normal business hours and stop painting and ventilate suite for four hours prior to re-occupancy. All the above notwithstanding, paint at times permitted by the Owner.
- Re-paint entire length of wall where painting occurs. Do not spot paint.
- Spray apply all paint applied to metals. Do not brush apply.

CARPET

A Submittals

- Product Data: For each type of product 1.
- Samples for Initial Selection: For each type of product indicated.
- Samples for Verification: For each type of product indicated, in manufacturer's standard-size Samples but not less than 12 inches long, of each resilient product color, texture, and pattern required. Contractor to furnish and install carpet tiles in strict accordance with manufacturer's installation instructions.

Carpet Type CPT-1

- Carpet Type: Carpet Tile
- Construction: Tufted Textured Twist
- Fiber: Type 6,6 Filament Nylon
- Dye Method: 100% Solution dyed.
- 5. Gauge: 1/10 inch
- Stitches per Inch: 8.33
- Finished Pile Thickness: 0.119
- Tufted Yarn Weight: 26 oz.
- Primary Backing: 100% Synthetic
- Secondary Backing: Reinforced Composité Closed Cell Polymer
- Performance Characteristics:
- Flammability: Flame Spread: Critical radiant flux - Class 1 per ASTM F648
- Smoke Density: Less than 450 per ASTM E662.
- Static Control: Less than 3.0 KV per AATCC-134.
- Wear Performance: 10 year wear warranty.
- Tile Size: 24 inch x 24 inch.
- Manufacturer: Mannington, Infinity Modular, Gametime III.
- Color: To be selected by Owner from manufacturer's standard color selection.
- Extra Material: Provide full-size tiles egual to 5% of total carpeted area.
- Carpet Adhesive: Water resistant and nonstaining as recommended by carpet manufacturer to comply with flammability requirements for installed carpet.
- Trowelable Leveling and Patching Compounds: Latex-based Portland cement patching compound and embossing leveler as recommended by carpet manufacturer.
- Transition Strips: Pemko 151A Saddle or egual.

Installation

- Do not install tiles over floors until fully cured and sufficiently dry to bond with
- Install carpet tiles in strict accordance with manufacturer's written installation
- Cut and fit to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture. Bind or seal cut edges as recommended by manufacturer.

SHEET VINYL

A. Submittals

- 1. Product Data: For each type of product indicated.
- Samples for Initial Selection: For each type of product indicated.
- Samples for Verification: For each type of product indicated, in manufacturer's standard-size Samples but not less than 12 inches long, of each resilient product color, texture, and pattern required.
- B. Provide vinyl sheet products listed below:

- 0.080" overall, 0.080" wear layer, vinyl sheet flooring, Type II, Grade 1, with Class "A" backing in accordance with ASTM F 1303, or approved equal. Colors to be selected from manufacturers standards.
- Fire Testing:
 - 0.45 watts/cm2 or more Class 1 in accordance with ASTM E 648.
 - Smoke: 450 or less in accordance with ASTM E 662.
- Sheet Width: 6'-0" minimum.
- Heat welded seams.
- Integral flash cove base with cap strip where required
- Manufacturer: Armstrong Medintech.

RUBBER BASE AND STAIR NOSINGS:

A. Submittals:

- Product Data: For each type of product indicated.
- Samples for Initial Selection: For each type of product indicated.
- Samples for Verification: For each type of product indicated, in manufacturer's standard-size Samples but not less than 12 inches long, of each resilient product color, texture, and pattern required.

B. Quality Assurance:

- Fire-Test-Response Characteristics: As determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.
 - Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

Rubber Base Materials:

- Resilient Base Standard: ASTM F 1861.
 - Material Requirement: Rubber, Type
- Gauge: .080
- Style: 4" Cove.
- Lengths: Coils in manufacturer's standard
- Outside Corners: Job formed or preformed.
- Inside Corners: Job formed or preformed. Finish: As selected by Architect from manufacturer's full range
- Colors and Patterns: To be selected to match existing.

Stair Nosing:

- Nosing Style: Round
- Nosing Height: 1-1/2 inches.
- Thickness: 1/4 inch.
- Size: Lengths and depths to fit stair tread in one piece.
- Color: To be selected.

Resilient Stair Treads:

- Material Requirement: Type TP (rubber thermoplastic).
- 2. Surface Design: Class 2 pattern (raised disc design.

Risers:

- 1. Smooth, flat, coved-toe, 7 inches high x length matching treads, produced by same manufacturer as treads and recommended by manufacturer for installation with treads.
- 2. Thickness: 0.125 inch thickness.

FIBER REINFORCED WALL PANELS:

Submittals:

- Product Data: For each type of product indicated.
- Samples for Initial Selection: For each type of product indicated.
- Samples for Verification: For each type of product indicated, in manufacturer's

- standard-size Samples but not less than 12 inches long, of each resilient product color, texture, and pattern required
- Provide embossed 0.09 inch thick panels and accessories. to conform to the following:
 - 1. Fire Performance Characteristics: UL classified sheet panel conforming with NFPA Class A Fire Rating. Surface burning characteristics shall be flamespread of less than 25 and smoke development of 450 or less per ASTM
- Division Bars, Corner Trim: Manufacturer's standard length extruded vinyl pieces; longest length possible
- Color: To be selected

Installation:

- 1. Comply with manufacturer's recommendations for types of materials, project conditions, and intended use.
- 2. Install panels with manufacturer's recommended gaps for panel field and corner joints.
- 3. For trowel type and application of adhesive, follow adhesive manufacturer's
- 4. Install trip molding where required to conceal edges of units of panels that would otherwise be exposed to review after completion of work. Set panels in sealant at all trim units. Anchor trim units with approved permanent fasteners or adhesive
- Locate panel joints centered of fixtures and/or toilet partitions where they occur.

8. ACOUSTICAL CEILING

- A. Seismic Standard: Comply with the following:
 - CISCA's Guidelines for Systems Requiring Seismic Restraint: Comply with CISCA's "Guidelines for Seismic Restraint of Direct-Hung Suspended Ceiling Assemblies--Seismic Zones 3 & 4."
- Acoustical Tile: Armstrong, USG or Chicago Metallic to match existing.
 - Location: Where shown on drawings. Material: Wet-formed mineral fiber
 - Color: White.
 - Acoustics: NRC-55, CAC-33
 - Size: 24 x 24 inch. Edge Detail: Square.
- 9. WALL TILE

Submittals

- 1. Product Data: For each type of product indicated.
- Shop Drawings: Show locations of each type of tile and tile pattern. Show widths, details, and locations of expansion, contraction, control, and isolation joints in tile substrates and finished tile surfaces.
- Samples for Initial Selection: For each type of product indicated.
- Samples for Verification: For each type of product indicated, in manufacturer's standard-size samples, of each resilient product color, texture, and pattern required.

Products - General:

- ANSI Ceramic Tile Standard: Provide tile that complies with ANSI A137.1, "Specifications for Ceramic Tile", for types compositions, characteristics indicated.
- ANSI Standards for Tile Installations: Provide materials complying with ANSI standards referenced in "Setting and Grouting Materials" article.



WRANGELL COURTHOUSE: UPGRADES FO JUDGE'S BENCH & WITNESS STAND SITY AND BOROUGH OF WRANGELL

SHEET NUMBER

- Glazed Wall Tile:
- Tile Size: 4-1/4 inch by 4-1/4 inch and 4 inch x 8 inch
- Thickness: 5/15 inch
- Face: Plain with modified square edges or cushion edges.
- Finish: Bright, opaque glaze.
- To be selected Color: manufacturer's standard colors.
- D. Wall Tile Trim Units: Matching characteristics of adjoining flat tile and coordinated with sizes and coursing of adjoining flat tile where applicable. Provide shapes as follows, selected from manufacturer's standard shapes.
 - Base for Thin-Set Mortar Installations: Straight module size to match tiles.
 - Wainscot Cap for Thin-Set Mortar Installations: Surface bullnose, size to match tiles.
 - External Corners for Thin-Set: Surface bull-nose
 - Internal Corners: Field-butted square corners except with coved base and cap angle pieces designed to fit with stretcher shapes.
- E. Grout: Standard cement grout, ANSI A118.6.
- Miscellaneous Materials:
- Trowelable Underlayments and Patching Compounds: Latex-modified, Portland cement-based formulation provided or approved by manufacturer of tile-setting materials for installations indicated.
- Metal Top Edge Strip: Where indicated, angle or L-shape, stainless steel.

DIVISION 10: SPECIALTIES

1. PLASTIC LAMINATE TOILET PARTITIONS

- A. Partitions to be plastic laminate, floor anchored mounting style.
- B. Submittals
 - Product Data: For each type of partition.
 - Shop Drawings: Include plans, elevations, sections, details, and attachment to other work
- C. Surface Burning Characteristics: Per ASTM E
 - Flame-Spread Index: 25 or less.
- Smoke Developed Index: 450 or less.

D. Product:

- Doors, Panels and Urinal Screens: Finished thickness of 1 inch with decorative plastic laminate applied to 7/8 inch thick particleboard.
- Pilasters: Finished thickness of 1-1/4 inch with decorative plastic laminate applied to 1-1/8 inch thick particleboard.
- Material: Doors, panels, pilasters and screens shall be fabricated from 45-pound density, resin impregnated 7/8 inch particle board. Decorative plastic laminate to be applied to particleboard with non-toxic, water resistant adhesive under high pressure. All components to be edge banded prior to face lamination.
 - Finish: All components faces and edges to be covered with decorative, vertical grade (.50 thickness) laminate.
- Color: To be selected manufacturer's standard designer colors.
- Hardware: Gravity cam-action hinge permitting door to return to pre-set position when not locked. Hinge, strike and keeper to be brushed aluminum and through bolted with tamper resistant barrel

- nuts and shoulder screws. Cam action hinge to allow for emergency access.
- Mounting Hardware: Chrome plated stirrup brackets to be secured to walls and pilasters with stainless steel tamper resistant fasteners. Panels to be through bolted with tamper resistant barrel nuts and shoulder screws.
- Construction Design: Floor anchored with 3/8 inch x 1 inch steel bar attached to bottom of pilaster. Each mounting bar to be secured to floor. Floor anchoring system to be concealed by type 304 stainless steel trim shoe with #4 finish.

2. TOILET ROOM ACCESSORIES

- A. Surface-Mounted Toilet Accessories. General: Except where otherwise indicated, fabricate units with tight seams and joints, exposed edges rolled. Hang doors or access panels with continuous stainless steel piano hinge. Provide concealed anchorage wherever possible.
- B. Basis of Design: Bobrick Contura Series or approved equal.
- C. Mirror: Stainless steel with satin finish and 20 gauge galvanized steel concealed wall hanger. No. 1 quality mirror, 1/4 inch thick plate/float glass, silver coated and hermetically sealed with a uniform copper plating, all edges protected by friction-absorbing filler strips.
- D. Sanitary Napkin Disposal: Surface-mounted, 18-8, type 304, 22 gauge stainless steel, satin finish. All welded construction. Integral finger depression for opening cover.
- E. Seat Cover Dispenser: Surface-mounted, 18-8, type 304, 20 gauge stainless steel with satin Drawn, one-piece, seamless construction.
- F. Soap Dispenser: Surface-mounted, type 304 stainless steel with satin finish. Corrosionresistant valve to dispense commercially marketed all-purpose hand soaps. Valve to be operable with one hand and with less than 5 pounds force to comply with barrier-free accessibility guidelines. Container to be equipped with an unbreakable, clear acrylic refill-indicator window; a locked, hinged stainless steel lid for top filling; and to have a capacity of 40-fl oz. Unit to have concealed, vandal-resistant mounting.
- G. Paper Tower Dispenser/Waste Receptacle: Recessed paper towel dispenser and waste receptacle, type 304 stainless steel with allwelded construction; satin finish on exposed surfaces. Flange to be drawn, one-piece. seamless construction. Door secured to cabinet with a full-length, stainless steel piano-hinge, and equipped with knob latch. Paper towel dispenser to dispense 350 C-fold or 475 multifold paper towels without adjustment or use of adapters. Removable stainless steel waste receptacle retained in cabinet by friction catch, top edges hemmed, and minimum capacity of 2
- F. Install plumb and level, securely and rigidly anchored to substrate.





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[파마이시카리 WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL

SHEET NUMBER

	AIR INLET/OUTLET SCHEDULE										
SYMBOL	SCFM RANGE	MAX NC	MAX APD (IN WC)	ACTIVE FACE SIZE (INCH)	DUCT SIZE (INCH)	BASIS OF DESIGN	REMARKS				
TA	260	-	0.01	24X24	24X24	TITUS 50F	TRANSFER GRILLE: ALUMINUM, 1/2" X 1/2" X 1/2" EGGCRATE GRID, LAY-IN BORDER.				

	PLUMBING I	FIXTU	RE CC	NNE	CTION	SCHEDULE
SYMBOL	FIXTURE	WASTE (INCH)	VENT (INCH)	HW (INCH)	CW (INCH)	REMARKS, BASIS OF DESIGN
P-1 (ADD ALT)	WATER CLOSET	4	2	-	1	WALL MOUNTED, VITREOUS CHINA, ELONGATED BOWL, SIPHON JET, 1-1/2" TOP SPUD, 1.6 GPF MANUAL FLUSH VALVE. FIXTURE: AMERICAN STANDARD AFWALL FLUSH VALVE: SLOAN ROYAL MODEL 111
P-1H	WATER CLOSET	4	2	-	1	SAME AS P-1, INSTALLED PER ADA REQUIREMENTS.
P-2 (ADD ALT)	URINAL	2	1-1/2	-	3/4	WALL MOUNTED, VITREOUS CHINA, SIPHON JET, 3/4" TOP SPUD, 1.0 GPF MANUAL FLUSH VALVE. FIXTURE: AMERICAN STANDARD TRIMBROOK FLUSH VALVE: SLOAN ROYAL 180-1.0
P-3H	WALL MOUNTED LAVATORY	1-1/2	1-1/2	1/2	1/2	VITREOUS CHINA, REAR OVERFLOW, FAUCET HOLES ON 4 INCH CENTERS, FOR USE WITH CONCEALED ARM CARRIER, SINGLE LEVER FAUCET, 1.5 GPM FLOW RATE, METAL GRID STRAINER. FIXTURE: AMERICAN STANDARD COMRADE FAUCET: DELTA 523LF-HDF
P-4H (ADD ALT)	COUNTER MOUNTED LAVATORY	1-1/2	1-1/2	1/2	1/2	DROP-IN, 19 INCH DIAMETER, VITREOUS CHINA, SELF-RIMMING, FRONT OVERFLOW, FAUCET HOLES ON 4 INCH CENTERS, SINGLE LEVER MANUAL FAUCET, 1.5 GPM FLOW RATE, METAL GRID STRAINER. FIXTURE: AMERICAN STANDARD CADET FAUCET: DELTA 523LF-HDF

	ABBREVI	ATIONS	}	1		GENERAL		FIR	RE PROTECTION	
0	AT	IN HG	INCHES MERCURY	SYMBOL		DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION	
&c #	AND NUMBER	IN WC INSUL	INCHES WATER COLUMN INSULATION			EET NOTE CONVENTION:	 	FW	FIRE WATER	
% AD	PERCENT ACCESS DOOR	IPS K	INTERNATIONAL PIPE STANDARD THERMAL CONDUCTIVITY	1		REFERENCED SHEET NOTE		WPS	WET PIPE	
AAP ADA	AREA ALARM PANEL AMERICANS WITH DISABILITIES ACT	KW KWH	KILOWATT KILOWATT HOUR	2.		GENERAL SHEET NOTE		DPS WSP	DRY PIPE WET STAND PIPE	
AFF AFG	ABOVE FINISHED FLOOR ABOVE FINISHED GRADE	LAT LB/HR	LEAVING AIR TEMPERATURE POUNDS PER HOUR					DSP	DRY STAND PIPE	
AHJ	AUTHORITY HAVING JURISDICTION	LBS	POUNDS		NO	ORTH ARROW	l	CLA	CLEAN AGENTS	
AHU ALT	AIR—HANDLING UNIT ALTERNATE	LF L	Linear feet Length				⊚	"	PENDANT	
AMB AMCA	AMBIENT AIR MOVEMENT AND CONTROL ASSOCIATION	LWT LOC	LEAVING WATER TEMPERATURE LOCATION/LOCATED		DFT	TAIL REFERENCE	1 0		UPRIGHT	
ANSI APD	AMERICAN NATIONAL STANDARDS INSTITUTE AIR PRESSURE DROP	LP LR	LOW PRESSURE LONG RADIUS			DETAIL NUMBER	▼		SIDEWALL	
APPROX	APPROXIMATE	MAN	MANUAL	M-001		SHEET WHERE DETAIL APPEARS	⊗		UP AND DOWN	
AR ARCH	ACID RESISTANT ARCHITECTURAL	MAT MAV	MIXED AIR TEMPERATURE MANUAL AIR VENT		•		(0)		UNDER	
ASME ATM	AMERICAN SOCIETY OF MECHANICAL ENGINEERS ATMOSPHERE	MAX MBH	MAXIMUM THOUSAND BTU PER HOUR	 		CECTION DEFENDENCE	×		DRY PENDANT	
AUTO	AUTOMATIC	MECH	MECHANICAL	—	M-001	SECTION REFERENCE — SECTION NUMBER	₹		DRY SIDEWALL	
AVG AWG	AVERAGE AMERICAN WIRE GAUGE	MFR MH	MANUFACTURER MANHOLE		\bigcirc	SHEET WHERE SECTION APPEARS	\{\tau_{\text{\tin}\text{\tint{\text{\ti}}\\\ \text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}		FIRE DEPARTMENT CONNECTION	
BAS BDD	BUILDING AUTOMATION SYSTEM BACKDRAFT DAMPER	MIN MPH	MINIMUM, MINUTE MILES PER HOUR				_ <u>A</u> Z		FIRE HOSE VALVE	
BHP BLDG	BRAKE HORSEPOWER, BOILER HORSEPOWER BUILDING	MTD N/A	MOUNTED NOT APPLICABLE				0		FIRE ALARM BELL	
BLW	BELOW	NC	NOISE CRITERIA, NORMALLY CLOSED	●	P0	INT OF CONNECTION			PLUMBING	
BOD BOP	BOTTOM OF DUCT BOTTOM OF PIPE	NFPA NIC	NATIONAL FIRE PROTECTION AGENCY NOT IN CONTRACT		DII	HADING FIVTHER NUMBER	SYMBOL	ABBR.	DESCRIPTION	
BTU BTUH	BRITISH THERMAL UNIT BTU PER HOUR	NO NTS	NORMALLY OPEN, NUMBER NOT TO SCALE	P- #	PLI	UMBING FIXTURE NUMBER		CW	COLD WATER	
C C	COMMON, CONDENSATE	OD OFOI	OUTSIDE DIAMETER		EQ	UIPMENT SYMBOL	1	HW	HOT WATER	
CAP	CENTER TO CENTER CAPACITY, END CAP	OFOI OSA OZ	OWNER FURNISHED, OWNER INSTALLED OUTSIDE AIR	EQ#		EQUIPMENT DESIGNATION	l	HWC	HOT WATER CIRCULATION	
CCW CF	COUNTER-CLOCKWISE COOLING FAN, CIRCULATING FAN, CUBIC FOOT	PD	OUNCE PRESSURE DROP OR DIFFERENCE	\ <u></u>	I	EQUIPMENT NUMBER		v	VENT	
CFM CI	CUBIC FEET PER MINUTE CAST IRON	PG PL	PROPYLENE GLYCOL PLATE					w	WASTE WATER	
ČL	CENTER LINE	PLBG	PLUMBING	/ID		R OUTLET SYMBOL	P	WHA	WATER HAMMER ARRESTER	
CLG CMPR	CEILING COMPRESSOR	POC PNL	POINT OF CONNECTION PANEL	CFM		AIR OUTLET DESIGNATION	\Diamond	PDI	PLUMBING AND DRAINAGE INSTITUTE	
COEF	COEFFICIENT CONCRETE	PH PPM	PHASE (ELECTRICAL) PARTS PER MILLION	l		CFM	□ TP—		WATER HAMMER ARRESTER SIZE A, B, C, D, OR	
COND	CONDENSER	PSI	POUNDS PER SQUARE INCH				↓ ──•		AUTOMATIC TRAP PRIMER VALVE	
CTR CU	CENTER COPPER, CONDENSING UNIT	PSIA PSID	POUNDS PER SQUARE INCH - ABSOLUTE POUNDS PER SQUARE INCH - DIFFERENTIAL		LIN	IE CONVENTION	⊗	FCO, YCO	FLOOR CLEANOUT, YARD CLEANOUT	
CU IN CV	CUBIC INCH VALVE FLOW COEFFICIENT	PSIG PRESS	POUNDS PER SQUARE INCH - GAUGE PRESSURE	-		NEW OR REINSTALLED ITEM	I —	wco	WALL CLEANOUT	
CW	CLOCKWISE	PRI	PRIMARY			ITEM TO BE DEMOLISHED EXISTING ITEM TO REMAIN		FD, FS	FLOOR DRAIN, FLOOR SINK	
DB DBT	DECIBEL DRY-BULB TEMPERATURE	R-407C, R-410A	REFRIGERANT (407C,410A,ETC.)	4/1/		EXISTING ITEM TO BE RELOCATED				
DDC DEG OR *	DIRECT DIGITAL CONTROL DEGREE	R/A RAD	RETURN AIR RADIANT OR RADIATION	"""						
DEG C DEG F	DEGREE CENTIGRADE DEGREE FAHRENHEIT	RCVR RECIRC	RECEIVER RECIRCULATE			NERAL PIPING			/ENTILATION	
DEMO	DEMOLITION	RED	REDUCER	SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION	
DENS DGM	DENSITY DIAGRAM	REFRIG REV	REFRIGERATION REVOLUTIONS	—-pxs		BALL VALVE	I ———			
DI DIA OR Ø	DUCTILE IRON DIAMETER	RF RH	RELIEF FAN OR RETURN FAN RELATIVE HUMIDITY	—⋈—	GV	GATE VALVE			DOUBLE LINE DUCTWORK	
DIFF	DIFFERENCE OR DELTA	RM RPM	ROOM		BV	BUTTERFLY VALVE	I ——		SINGLE LINE DUCTWORK	
DN	DUCTILE IRON PIPE DOWN	RPS	REVOLUTIONS PER MINUTE REVOLUTIONS PER SECOND		cv	CHECK VALVE	~~~~~		FLEX DUCTWORK	
DO DTL	DITTO DETAIL	S/A SAT	SUPPLY AIR SATURATION			BALANCING VALVE			SLOT GRILLES/REGISTERS/DIFFUSERS	
DWDI DWG	DOUBLE WIDTH DOUBLE INLET	SCHD SCFM	SCHEDULE STANDARD CUBIC FEET PER MINUTE	-					GRILLES/REGISTERS/DIFFUSERS - SUPPLY AIR	
	DDAWING							S/A		
(E)	Drawing Existing	SD	STORM DRAIN	<u>~</u>	sv	SAFETY VALVE, RELIEF VALVE		S/A		
(E) EA E/A	EXISTING EACH EXHAUST AIR	SD SEC SF	STORM DRAIN SECONDARY SQUARE FEET		sv	SAFETY VALVE, RELIEF VALVE		R/A	GRILLES/REGISTERS/DIFFUSERS - RETURN AIR	
ÉÁ E/A EAT	EXISTING EACH EXHAUST AIR ENTERING AIR TEMPERATURE	SD SEC SF SH	STORM DRAIN SECONDARY SQUARE FEET SENSIBLE HEAT		SV AAV	SAFETY VALVE, RELIEF VALVE AIR VENT, AUTO WITH ISOLATION VALVE				
ÉÁ E/A EAT EF EFF	EXISTING EACH EXHAUST AIR ENTERING AIR TEMPERATURE EXHAUST FAN EFFICIENCY	SD SEC SF SH SHG SHR	STORM DRAIN SECONDARY SQUARE FEET SENSIBLE HEAT SENSIBLE HEAT GAIN SENSIBLE HEAT RATIO		AAV	AIR VENT, AUTO WITH ISOLATION VALVE		R/A	GRILLES/REGISTERS/DIFFUSERS - RETURN AIR	
EÁ E/A EAT EF EFF EG ELEC	EXISTING EACH EACH EXHAUST AIR ENTERING AIR EXHAUST FAN EFFICIENCY ETH/LENE GLYCOL, EXHAUST GRILLE ELECTRICAL	SD SEC SF SH SHG SHR SHT SHWR	STORM DRAIN SECONDARY SQUARE FEET SENSIBLE HEAT SENSIBLE HEAT CAIN SENSIBLE HEAT TAITIO SHEET SHOWER					R/A	GRILLES/REGISTERS/DIFFUSERS - RETURN AIR GRILLES/REGISTERS/DIFFUSERS - EXHAUST AIF	
ÈÁ E/A EAT EF EFF EG	EXISTING EACH EXHAUST AIR ENTERING AIR TEMPERATURE EXHAUST FAN EFFICIENCY ETHYLENE GLYCOL, EXHAUST GRILLE	SD SEC SF SH SHG SHR SHT	STORM DRAIN SECONDARY SQUARE FEET SENSIBLE HEAT SENSIBLE HEAT GAIN SENSIBLE HEAT RATIO SHEET		AAV	AIR VENT, AUTO WITH ISOLATION VALVE	OR -	R/A E/A	GRILLES/REGISTERS/DIFFUSERS - RETURN AIR GRILLES/REGISTERS/DIFFUSERS - EXHAUST AIF AIR FLOW ARROW	
ÈA E/A EAT EF EFF EG ELEC ELEV EMB ENT	EXISTING EACH EXHAUST AR ENTERING AIR TEMPERATURE EXHAUST FAN EFFICIENCY EITHYLENE GLYCOL, EXHAUST GRILLE ELECTRICAL ELEVATION EMBEDMENT ENTERING	SD SEC SF SH SHG SHR SHT SHWR SP SPD SPEC	STORM DRAIN SECONDARY SOUARE FEET SENSIBLE HEAT SENSIBLE HEAT ARTIO SHEET SHOWER SHOULD SHEET SHOWER STATIC PRESSURE DROP SPECIFICATION, SPECIFIED		AAV	AIR VENT, AUTO WITH ISOLATION VALVE PRESSURE & TEMP TEST PLUG STRAINER W/ BLOWDOWN HOSE FITTING	→ OR → VD	R/A E/A VD	GRILLES/REGISTERS/DIFFUSERS — RETURN AIR GRILLES/REGISTERS/DIFFUSERS — EXHAUST AIF AIR FLOW ARROW AIR VOLUME DAMPER	
ÈA E/A E/A EAT EF EG ELEC ELEV EMB ENT EQIV FT ESP	EXISTING EACH EACH EXHAUST AIR ENTERING AIR EXHAUST FAN EFFICIENCY ETHYLENE GLYCOL, EXHAUST GRILLE ELECTRICAL ELEVATION EMBEDMENT ENTERING EQUIVALENT FEET EXTERNAL STATIC PRESSURE	SD SEC SF SH SHG SHR SHT SHWR SP SPD SPEC SPKLR SR	STORM DRAIN SECONDARY SOUARE FEET SENSIBLE HEAT SENSIBLE HEAT SENSIBLE HEAT CAIN SENSIBLE HEAT RATIO SHEET SHOWER STATIC PRESSURE STATIC PRESSURE STATIC PRESSURE SPERINKLER SHORT ARDIUS		AAV	AIR VENT, AUTO WITH ISOLATION VALVE PRESSURE & TEMP TEST PLUG	→ OR → VD → FD	R/A E/A VD FD	GRILLES/REGISTERS/DIFFUSERS — RETURN AIR GRILLES/REGISTERS/DIFFUSERS — EXHAUST AIF AIR FLOW ARROW AIR VOLUME DAMPER FIRE DAMPER	
ÉA E/A EAT EF EFF EG ELEC ELEV EMB ENT EQIV FT ESP EVAP EXP	EXISTING EACH EACH EXHAUST AIR ENTERING AIR TEMPERATURE EXHAUST FAN EFFICIENCY EITHYLENE GLYCOL, EXHAUST GRILLE ELECTRICAL ELEVATION EMBEDMENT ENTERING EQUIVALENT FEET EXTERNAL STATIC PRESSURE EXPANSION	SD SEC SF SH SHG SHR SHT SHWR SP SPD SPEC SPKLR SR SWSI SQ	STORM DRAIN SECONDARY SQUARE FEET SENSIBLE HEAT SENSIBLE HEAT CAIN SENSIBLE HEAT RATIO SHEET SHOWER STATIC PRESSURE STATIC PRESSURE STATIC PRESSURE SPRINKLER SHORT RADIUS SINGLE WIDTH SINGLE INLET SQUARE	19404 - 1941	AAV	AIR VENT, AUTO WITH ISOLATION VALVE PRESSURE & TEMP TEST PLUG STRAINER W/ BLOWDOWN HOSE FITTING EQUIPMENT OR PIPE DRAIN VALVE W/HOSE FITTING EQUIPMENT OR PIPE DRAIN PLUG	→ OR → VD → FD → SD	R/A E/A VD FD SD	GRILLES/REGISTERS/DIFFUSERS — RETURN AIR GRILLES/REGISTERS/DIFFUSERS — EXHAUST AIF AIR FLOW ARROW AIR VOLUME DAMPER FIRE DAMPER SMOKE DAMPER	
ĖÄ E/A EAT EAT EFF EGF ELEC ELLEC EMB ENT EQIV FT ESP EVAP EXP EWT	EXISTING EACH EXHAUST AIR ENTERING AIR TEMPERATURE EXHAUST FAN EFFICIENCY EITHYLENE GLYCOL, EXHAUST GRILLE ELECTRICAL ELEVATION EMBEDMENT ENTERING EQUIVALENT FEET EXTERNAL STATIC PRESSURE EVAPORATOR	SD SEC SF SH SHG SHR SHT SHWR SP SPD SPEC SPEC SPKLR SR SWSI SQ SS	STORM DRAIN SECONDARY SQUARE FEET SENSIBLE HEAT SENSIBLE HEAT GAIN SENSIBLE HEAT RATIO SHEET SHOWER STATIC PRESSURE STATIC PRE		AAV	AIR VENT, AUTO WITH ISOLATION VALVE PRESSURE & TEMP TEST PLUG STRAINER W/ BLOWDOWN HOSE FITTING EQUIPMENT OR PIPE DRAIN VALVE W/HOSE FITTING EQUIPMENT OR PIPE DRAIN PLUG W/HOSE FITTING	→ SD → FSD	R/A E/A VD FD SD FSD	GRILLES/REGISTERS/DIFFUSERS — RETURN AIR GRILLES/REGISTERS/DIFFUSERS — EXHAUST AIF AIR FLOW ARROW AIR VOLUME DAMPER FIRE DAMPER SMOKE DAMPER FIRE—SMOKE DAMPER ACOUSTICAL DUCT LINING	
ÈÀ E/A EAT EF EFF EG ELLEC ELLEV EMB ENT ESP EVAP EVAP EVAP EVYP FA	EXISTING EACH EXHAUST AIR ENTERING AIR TEMPERATURE EXHAUST FAN EFFICIENCY ETHYLENE GLYCOL, EXHAUST GRILLE ELECTRICAL ELEVATION EMBEDMENT ENTERING EQUIVALENT FEET EXTERNAL STATIC PRESSURE EXAPORATOR EXPANSION ENTERING EXPANSION EXPRANSION ENTERING WATER TEMPERATURE FAHRENHEIT FACE AREA	SD SEC SF SH SHG SHT SHWR SP SPD SPEC SPKLR SR SWSI SQ SS STD SUCT	STORM DRAIN SECONDARY SQUARE FEET SENSIBLE HEAT SENSIBLE HEAT SENSIBLE HEAT GAIN SENSIBLE HEAT RATIO SHEET SHOWER STATIC PRESSURE GROP SPECIFICATION, SPECIFIED SPRINKLER SHORT RADIUS SINGLE WIDTH SINGLE INLET SQUARE STAINLESS STEEL, SANITARY SEWER STANARDS	19404 - 1941	AAV	AIR VENT, AUTO WITH ISOLATION VALVE PRESSURE & TEMP TEST PLUG STRAINER W/ BLOWDOWN HOSE FITTING EQUIPMENT OR PIPE DRAIN VALVE W/HOSE FITTING EQUIPMENT OR PIPE DRAIN PLUG	→ SD → FSD	R/A E/A VD FD SD FSD	GRILLES/REGISTERS/DIFFUSERS — RETURN AIR GRILLES/REGISTERS/DIFFUSERS — EXHAUST AIF AIR FLOW ARROW AIR VOLUME DAMPER FIRE DAMPER SMOKE DAMPER FIRE—SMOKE DAMPER	
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WHPPACIFIC
3111 C St, Ste 300
Anthronger, AN 93003
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Application of the 1807-339-6327



WRANGELL COURTHOUSE: UPGRADES

TO JUDGE'S BENCH & WITNESS STAND
CITY AND BOROUGH OF WRANGELL

LEGEND, ABBREVIATIONS, & SCHEDULES

PROJECT NUMBER
PROJECT NUM

M-001

SPECIFICATIONS

THESE DRAWINGS DESCRIBE AND PROVIDE FOR THE FURNISHING, INSTALLING, TESTING AND PLACING IN SATISFACTORY AND FULLY OPERATIONAL CONDITION ALL EQUIPMENT, MATERIALS, DEVICES, AND NECESSARY APPURITENANCES TO PROVIDE FOR A COMPLETE MECHANICAL SYSTEM, TOGETHER WITH SUCH OTHER MISCELLANEOUS INSTALLATIONS AND EQUIPMENT.

DRAWING INFORMATION IS BASED UPON AVAILABLE OWNER DRAWINGS AND LIMITED FIELD VERIFICATION. DRAWING INFORMATION DOES NOT REPRESENT AS—BUILT CONDITIONS. FIELD VERIFY INFORMATION INCLUDING PIPES, DUCTS, AND EQUIPMENT LOCATIONS, ROUTING, CONTROLS, AND APPURETNANCES PRIOR TO START OF WORK.

THE WORK SHALL INCLUDE MATERIALS, APPLIANCES, AND APPARATUS NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT WHICH ARE NECESSARY TO MAKE A COMPLETE, OPERATIONAL INSTALLATION OF WECHANICAL SYSTEMS SHOWN ON THE DRAWINGS

BUILDING WILL REMAIN OCCUPIED AND CONDUCTING NORMAL BUSINESS; COORDINATE WITH OWNER IN ADVANCE BEFORE SCHEDULING DISRUPTION OF SERVICES OR BUILDING OPERATIONS. PROVIDE TEMPORARY MECHANICAL SYSTEMS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION.

PORTIONS OF THE DRAWINGS ARE PARTLY DIAGRAMMATIC AND DO NOT SHOW EXACT PORTIONS OF THE DRAWINGS ARE PARTLY DIAGRAMMATIC AND DO NOT SHOW EXACT LOCATIONS OR ALL OFFSETS AND FITTINGS REQUIRED TO INSTALL THE WORK. PROVIDE FITTINGS, OFFSETS, AND ACCESSORIES AS REQUIRED TO INSTALL THE WORK. PROVIDE SYSTEMS COMPLETE AND IN PROPER OPERATING CONDITION. WHERE THE WORK OF SEVERAL CRAFTS ARE INVOLUDED, COORDINATE RELATED WORK TO PROVIDE EACH SYSTEM IN COMPLETE AND PROPER OPERATING ORDER.

OBTAIN AND PAY FOR LICENSES, PERMITS, AND INSPECTIONS REQUIRED BY LAWS, ORDINANCES, AND RULES GOVERNING THE WORK. ARRANGE FOR INSPECTION OF WORK BY

COMPLY WITH APPLICABLE LOCAL AND STATE CODES, ORDINANCES, AND REGULATIONS INCLUDING IBC-2009, IMC-2009, UPC-2009, IEBC-2009, IFC-2009, AND NEC-2011; AS ADOPTED BY THE AUTHORITY HANDIG JURISDICTION (AHJ). FOLLOW THE RECOMMENDED PRACTICES OF ASME, SMACYNA, ASHRAE, NFPA, AGA, AND OSHA AS THEY APPLY TO THIS PROJECT, EXCEPT IN CASES WHERE STATUTES GOVERN.

ARRANGE WORK TO PROVIDE WORKARLE ACCESS TO SERVICEABLE OR OPERABLE ARRANGE WORK ID TRYOUDE WOMENSLE ALCESS ID SERVICE/BELE ON DEPENDED.

EQUIPMENT. LOCATION OF VALVES, TRAPS, STRAINERS, MOTORS, DAMPER OPERATORS, ETC.,

SHALL BE EASILY ACCESSIBLE BY A PERSON STANDING ON THE FLOOR. ITEMS NOT IN

THE OPEN SHALL BE READILY ACCESSIBLE THROUGH ACCESS OPENINGS IN THE BUILDING CONSTRUCTION. PROVIDE UL LISTED ACCESS PANELS TO MATCH FIRE RATING OF

FIELD VERIFY PIPE, DUCTS, AND EQUIPMENT: SIZE, LOCATION, ROUTING, TERMINAL UNITS, CONTROLS, AND APPURTENANCES. FIELD COORDINATE EXACT LOCATIONS OF EQUIPMENT, DUCTS, PIPES, AND CONTROLS WITH EXISTING AND NEW WORK; INCLUDING CONSTRUCTION

UNLESS DIRECTED OTHERWISE, PRODUCTS SHALL BE NEW, UNUSED, AND UNDAMAGED, OF STANDARD MANUFACTURE, OF LATEST DESIGN AND QUALITY, AND SUITABLE FOR THE PARTICULAR INSTALLATION. FURNISH AND INSTALL EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES, LISTINGS, AND MANUFACTURERS INSTRUCTIONS.

PRODUCTS SHALL BE ASBESTOS AND LEAD FREE. FIXTURES, FITTINGS, VALVES, EQUIPMENT, ASSEMBLIES, AND DEVICES SHALL BE LISTED FOR THE INTENDED SERVICE: IAPMO, FM, UL, OR OTHER NRTL.

ALL PENETRATIONS THROUGH BUILDING EXTERIOR WALLS. FLOORS, AND ROOFS SHALL BE ALL PENEIRATIONS THROUGH BUILDING EXTENDR WALLS, FLODRS, AND ROOFS SHALL BE WATERTIGHT AND WEATHER-TIGHT. WALL, FLOOR, AND CELLING PENEIRATIONS SHALL BE SLEEVED. PENEIRATIONS THROUGH FIRE RATED CONSTRUCTION SHALL BE UL LISTED FIRE STOP ASSEMBLIES. PENEIRATIONS THROUGH SMOKE BARRIERS SHALL BE SMOKE TIGHT. PROVIDE ACOUSTICAL SEALANT ON BOTH SIDES FOR OTHER PENEIRATIONS. AREAS REQUIRING PRESSURE CONTROL SHALL BE FIELD VERIFIED AND RESEALED TO MAINTAIN DEDESCHIED BULTIONSHUPE. PRESSURE RELATIONSHIPS.

REMOVE EXPOSED ABANDONED OR INDICATED FOR DEMOLITION CONTROLS. EQUIPMENT. PIPES, AND DUCT. CUT CONCEALED PIPES AND DUCTS FLUSH WITH WALLS AND FLOORS.
REMOVE CONDUCTORS, CONDUIT, BRACKETS, STEMS, HANGERS, AND OTHER ACCESSORIES.
REMOVE ABANDONED CONTROLS AND ASSOCIATED WIRING & CONDUIT TO SOURCE OF

PROVIDE MECHANICAL IDENTIFICATION CONSISTING OF LABELS, TAGS, AND FLOW ARROWS FOR DUCTS, PIPES, VALVES, AND EQUIPMENT INSTALLED UNDER THIS CONTRACT. IN NON-PUBLIC AREAS PLACE ID AT WALLS, FLOORS, DIRECTION CHANGE, AND 20' INTERVALS

PLUG, PATCH, AND REPAIR PENETRATIONS AND SURFACES. REFINISH SURFACES AND ASSEMBLY RATINGS TO MATCH EXISTING. REPAIR OR REPLACE DAMAGED SURFACES, CEILING TILES, INSULATION, AND FIREPROOFING. SEAL ROOM PENETRATIONS TO MAINTAIN ROOM PRESSURE RELATIONSHIPS TO ADJACENT SPACES.

PIPE HANGERS AND SUPPORTS SHALL BE IN ACCORDANCE WITH MSS SP69, MSS SP89. AND MSS SPS8; SPACING AND ADDITIONAL CRITERIA SHALL BE PER APPLICABLE CODES AND ASK B31.9 BUILDING SERVICES PIPING. SUPPORT, BRACE, AND ANCHOR PIPES, EQUIPMENT, AND DEVICES TO BUILDING STRUCTIVE TO RESIST GRAVITY, OPERATIONAL, AND VIBRATION FORCES; COORDINATE WITH SEISMIC RESTRAINTS.

EQUIPMENT AND MATERIALS SPECIFIED, SCHEDULED, AND INDICATED ON DRAWINGS IS THE BASIS OF DESIGN. ALTERNATE EQUIPMENT AND MATERIALS SHALL BE APPROVED BEFORE

PROVIDE SUBMITIALS FOR REVIEW AND OBTAIN OWNER'S APPROVAL OF PRODUCTS PRIOR TO ORDERING OR INSTALLING ANY PART OF SYSTEM, DEFERRED SUBMITIALS SHALL BE APPROVED BY AHJ. SUBMITIALS, INCLUDING O & M MANUALS, SHALL BE SUBMITIED IN THREE RING BINDER, REFERENCED TO CONTRACT DOCUMENTS, REVIEWED AND STAMPED BY CONTRACTOR. PROVIDE ELECTRONIC, PDF, FILES WITH BOOKMARKS SEPARATING EQUIPMENT SYSTEMS AND SHOP DRAWINGS WITH EVERY SUBMITTAL COLORS SHALL BE APPROVED BY

PROVIDE DETAILED SHOP DRAWINGS FOR WORK BASED ON PRODUCTS PROPOSED TO BE USED ON THE PROJECT. DRAWINGS SHALL BE PREPARED ON REPRODUCIBLE SHEETS OR AUTOCAD. PROVIDE PLANS, SECTIONS, AND ELEVATIONS AS REQUIRED TO SHOW THAT MECHANICAL WORK WILL FIT IN THE SPACE ALLOCATED AND OF SUFFICIENT DETAIL TO SHOW CONFORMANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS.

FURNISH INSTALLATION OPERATING AND MAINTENANCE (IO&M) MANUALS FOR FOLLIPMENT FORNISH INSTALLATION, OFERATING, AND MAINTENANCE, (USBM) MANUALS FOR EQUIPMEN PROVIDE INFORMATION NEEDED TO OPERATE AND MAINTAIN THE EQUIPMENT INCLUDING CHANGES TO THE CONTROL SYSTEM. BIND MANUALS IN HARD BACKED, LOOSE-LEAF BINDER. MANUALS SHAL INCLUDE MAINTENANCE INSTRUCTIONS, MANUFACTURER'S BROCHURES, CUT SHEETS, SHOP DRAWINGS, CONTROLS, EQUIPMENT DIRECTORIES, AND FINAL BALANCE REPORTS.

CONTINUALLY RECORD THE ACTUAL MECHANICAL SYSTEM(S) INSTALLATION ON A FULL SIZE COMMINDRELL RECORD THE ACTUAL MECHANICAL STSTEM(S) INSTALLATION ON A PULL SIZE SET OF PRINTS KEPT READILY AVAILABLE AT THE PROJECT DURING CONSTRUCTION. AT THE END OF THE PROJECT SUBMIT COMPLETED RECORD DRAWINGS SHOWING AS-BUILT CONDITIONS FOR NEW AND EXISTING MECHANICAL SYSTEMS IN THE AREA OF THE PROJECT WOODLY.

COORDINATE PHASING REQUIREMENTS AND SERVICE DISRUPTION PERIODS WITH THE OWNER AND OBTAIN SPECIFIC AGREEMENT, BY THE OWNER, OF TIMES AND DURATION OF SYSTEM SHUT DOWN PERIODS, BEFORE STARTING SYSTEM WORK. BUILDING WILL BE OCCUPIED AND

PROVIDE FILTERS OVER AIR INTAKES, EXHAUSTS, AND TRANSFER AIR OPENINGS. PROTECT OPEN DUCTS AND PIPES FROM DIRT AND DUST. REPLACE HVAC FILTERS AFTER WORK AND BEFORE STARTING VENTILATION SYSTEMS FOR TESTING, ADJUSTING, AND BALANCING

ITEMS REQUIRING RELOCATION OR TEMPORARILY SUPPORTED DURING DEMOLITION OR NEW WORK SHALL BE MAINTAINED AND RE-INSTALLED TO MAINTAIN THEIR LISTING, SERVICEABILITY, AND FUNCTION. VERIFY THAT EQUIPMENT AND SYSTEMS ARE FULLY OPERATIONAL UPON COMPLETION OF WORK.

INSULATE DOMESTIC COLD WATER PIPING AND DOMESTIC HOT WATER PIPING. INSULATION FOR COLD SURFACES AND ITEMS WHERE CONDENSATION MAY FORM SHALL BE VAPOR

INSULATION PRODUCTS SHALL MEET OR BE LOWER THAN FLAME SPREAD 25, FUEL

INSULATE PIPE AND FITTINGS WITH PREFORMED FIBERGLASS TYPE INSULATION WITH ALL SERVICE JACKET, 4LBS/CF DENSITY, MINUS 20'F TO 850'F OPERATING TEMPERATURE RANGE, THERMAL CONDUCTIVITY K=0.23 AT 75'F MEAN TEMPERATURE AND HAVING A FACTORY APPLIED FLAME RETARDANT VAPOR BARRIER JACKET WITH PERMEABILITY RATING = 0.02 PERMS. PROVIDE 1" THICK INSULATION ON DOMESTIC COLD WATER PIPE AND 1-1/2" THICK INSULATION ON DOMESTIC HOT WATER PIPE.

COORDINATE INSULATION AT FIRE RATED WALL AND FLOOR PENETRATIONS TO COMPLY WITH SELECTED, UL LISTED, FIRESTOPPING SYSTEMS.

INSULATION SHALL PASS CONTINUOUSLY THROUGH NON-FIRE RATED WALLS AND FLOORS.

ABOVE GRADE DWV PIPE AND FITTINGS: COPPER DWV WITH SOLDERED JOINTS OR CAST IRON WITH HEAVY DUTY HUBLESS JOINTS.

WATER PIPE AND FITTINGS: TYPE L COPPER PIPE WITH SOLDER TYPE WROUGHT COPPER FITTINGS. FIT JOINTS USING LEAD-FREE SOLDER WITH WATER-SOLUBLE FLUX. MECHANICAL "PROPRESS" FITTINGS FOR DOMESTIC WATER ONLY UPON SPECIFIC LOCATION

STERILIZE WATER LINES WITH CHLORINE BEFORE ACCEPTANCE OF PROJECT BY OWNER. SUBMIT WRITTEN CERTIFICATION THAT STERILIZATION HAS BEEN COMPLETED.

BALL VALVES: LEAD-FREE BRONZE BODY, 2 PIECE, FULL PORT, 600 PSIG NON-SHOCK COLD WORKING PRESSURE AND BALL TRE SEATS, -20'F TO 400 'F TEMPERATURE RANGE. MANUFACTURER: NIBCO 585-66-LF OR EQUAL.

WATER HAMMER ARRESTERS: PRESSURIZED PISTON TYPE, ASSE 1010 CERTIFIED, SEAMLESS COPPER BODY, EPDIM O-RINGS, MAXIMUM WORKING PRESSURE OF 350 PSIG, AND MAXIMUM WORKING TEMPERATURE OF 250 DEGREES F. SIOUX CHIEF, PPP, OR EQUAL.

THERMOSTATIC MIXING VALVE: ASSE 1070 LISTED, LEAD-FREE CAST COPPER SILICON ALLOY BODY, INTEGRAL CHECKS AND SCREEN, SWEAT CONNECTIONS, AND ADJUSTABLE TEMPERATURE SELECTION WITH LOCK. POWERS LFLM495 OR EQUAL.

PROVIDE COMMERCIAL QUALITY CARRIERS FOR WALL-MOUNTED FIXTURES. ZURN, MIFAB, OR

PROVIDE 17 GAUGE CHROME-PLATED TUBULAR BRASS TRAPS, FLEXIBLE, STAINLESS STEEL SUPPLIES, AND QUARTER-TURN, REMOVABLE KEY TYPE STOPS WITH METAL COMPONENTS FOR LAVATORIES. PLASTIC PARTS ARE NOT ACCEPTABLE.

WALL CLEANOUTS: COUNTERSUNK PLUG, CAST BRONZE BODY WITH STAINLESS STEEL ACCESS COVER. ZURN, MIFAB, OR EQUAL.

REVIEW THE CONTRACT DOCUMENTS AND ANY OWNER FURNISHED EQUIPMENT AND DETERMINE IF ANY PORTION OF THE EXISTING FIRE PROTECTION SYSTEM WILL BE AFFECTED BY THE TEMPORARY OR PERMANENT IMPLEMENTATION OF ANY PORTION OF THIS WORK. PROVIDE OWNER AND ENGINEER LIST OF SPECIFIC FIRE PROTECTION AND DETECTION. SYSTEMS AFFECTED BEFORE AUTHORIZATION TO PROCEED WITH DESIGN OR DEMOLITION.

F AUTOMATIC FIRE PROTECTION WORK IS REQUIRED AND APPROVED PROVIDE. SERVICES OF IF AUTOMATIC FIRE PROTECTION WORK IS REQUIRED AND APPROVED PROVIDE, SERVICES OF AN OWNER APPROVED AND QUALIFIED FIRE PROTECTION CONTRACTOR TO MODIFY AND ADD SPRINKLER HEADS TO THE ENSTING SPRINKLER SYSTEM FOR COMPLETE COVERAGE UNDER THIS CONTRACT. MATERIALS, EQUIPMENT, SPRINKLER HEADS, PIPING, AND DESIGN CRITERIA SHALL MEET OWNER AND AHJ REQUIREMENTS.

EXISTING FIRE PROTECTION SPRINKLER SYSTEM SHALL REMAIN ACTIVE UNTIL THE NEW FIRE PROTECTION SYSTEM IS APPROVED TO PROVIDE PROTECTION. EXISTING SYSTEM SHALL BE MODIFIED TO PROVIDE PROTECTION. REVIEWED BY ENGINEER, AND APPROVED BY OWNER AND AHJ. ALTERNATE METHODS OF PROVIDING FIRE WATCH OR OTHER AHJ APPROVED PROTECTION SHALL BE REVIEWED BY ENGINEER AND APPROVED BY THE OWNER.

SYSTEM PIPING OTHER THAN STEEL SCHEDULE 40 SHALL HAVE A CORROSION RESISTANCE RATIO (CRR) EQUAL TO OR GREATER THAN 1.0. SUBMIT A STATEMENT THAT THE PIPING COMPLIES WITH NFPA 13 STANDARDS; INCLUDE THIS CRR DATA IN PRODUCT SUBMITTAL.

IN ADDITION TO NFPA 13 CRITERIA PROVIDE SEISMIC CLEARANCE FOR SPRINKLER PIPING AND HEADS PER IBC AND ASCE-07-05. FLEXIBLE BRAIDED SS HOSE ASSEMBLIES FOR SPRINKLER HEADS UNLESS OTHERWISE APPROVED, VITAULIC AQUAFLEX SERIES AQB.

PROVIDE SPRINKLER HEADS IN AREAS WHERE CEILINGS WILL BE REPLACED, UPGRADED, OR MODIFIED SPRINKLER HEADS SHALL BE QUICK-RESPONSE TYPE FOR AREAS MODIFIED OR NEW. FINISH, ESCUTCHEON, AND APPEARANCE TO MATCH EXISTING.

ALL WORK SHALL BE SCHEDULED TO MINIMIZE DISRUPTION OF FIRE SERVICE, COORDINATE WITH OWNER FOR SHUT DOWN AND MAINTAIN A FIRE WATCH WHEN SYSTEM IS INOPERABLE

DETERMINATION OF EXISTING BUILDING SPRINKLER COVERAGE AND CONDITIONS, INCLUDING WATER PRESSURE AND FLOW ARE THE RESPONSIBILITY OF THE CONTRACTOR. FIELD CHECK EXISTING PIPING, PROVIDE FLOW TEST, MAKE CALCULATIONS, AND PROVIDE ANY OTHER SERVICES TO PROPERLY DESIGN OR MODIFY THE SYSTEMS, AS REQUIRED BY THE HAVING JURISDICTION AND FOR THE CONTRACTOR'S WOR

SUBMIT FIRE PROTECTION DRAWINGS, CALCULATIONS, AND CUT SHEETS TO ENGINEER, OWNER'S INSURANCE AGENCY, AND AUTHORITY HAVING JURISDICTION (AHJ). OBTAIN APPROVAL FROM THE OWNER, AND AHJ BEFORE STARTING INSTALLATION OF THE SYSTEM. SUBMIT CORRESPONDENCE WITH THE INSURANCE COMPANY AND THE AHJ TO THE OWNER AND ENGINEER. DRAWINGS AND CALCULATIONS SHALL INCLUDE THE NICET CERTIFICATION AND STATE OF JUASHANGS AND THE ORGANIST SPACE INCLIDE THE NIGHT CERTIFICATION AND STATE OF ALASKA PERMIT IIC NUMBERS AND SIGNATURE OR ALASKA STAMP OF A LICENSED PROFESSIONAL ENGINEER AND THE FIRE PROTECTION CONTRACTOR'S ALASKA SPECALTY LICENSE NUMBER.

OBTAIN APPROVAL OF THE OWNER PRIOR TO ORDERING, FABRICATING OR INSTALLING ANY PART OF THE SYSTEM. HEAD LOCATIONS ARE SUBJECT TO THIS REVIEW AND APPROVAL.

APPROVED FULL SIZE AS-BUILT DRAWINGS, ELECTRONIC COPY OF AS-BUILTS IN PDF AND DWG FORMATS, AND O&M MANUAL SHALL BE SUBMITTED.

AIR DISTRIBUTION

Ductwork shall be per smacna duct construction standards, low pressure, 2 inwc, +/- , class, g-90 coating, seals class a, minimum 26 gauge, as minimum criteria. Fittings shall be low loss type.

LOCATE DIFFUSERS AND GRILLES AS SHOWN. COORDINATE LOCATIONS TO AVOID CONFLICTS WITH LIGHTS, FIRE PROTECTION, STRUCTURE, AND ARCHITECTURAL REQUIREMENTS.

TESTING, ADJUSTING AND BALANCING (TAB)

CONTRACTOR, AS PART OF THIS CONTRACT, SHALL OBTAIN THE SERVICES OF CERTIFIED TESTING, ADJUSTING, AND BALANCING FIRM (TAB AGENCY) TO PERFORM THE TESTING AND

PHASING, TESTING, AND SCHEDULING WITH OWNER AND ENGINEER.

PRIOR TO ACTUAL START OF TESTING ADJUSTING AND RALANCING VERIEY THE SYSTEMS PRIOR TO ACTUAL START OF TESTING, ADJUSTING AND BALANCING VERIET THE STSTEMS AND EQUIPMENT ARE READY FOR THIS WORK. REVIEW PLANS BEFORE CONSTRUCTION STARTS AND INSTALLATION FOR EQUIPMENT AND ACCESS TO BALANCE SYSTEMS. CORRECT AIR AND WATER SYSTEM PERFORMANCE DEFICIENCIES DISCLOSED BY INITIAL TESTING AND DESIGNATION OF THE PRIOR OF THE PRIOR

ADJUST AIR PATTERN CONTROLLERS, GRILLE AND REGISTER BLADES FOR PROPER AIR DIFFUSION PATTERNS PRIOR TO TESTING, ADJUSTING AND BALANCING

SETTINGS OF DAMPERS AND OTHER ADJUSTMENTS DEVICES SHALL BE PERMANENTLY MARKED BY THE BALANCING AGENCY, SO THAT ADJUSTMENT CAN BE EASILY RESTORED IF DISTURBED AT ANY TIME.

SUBMIT A FINAL REPORT IDENTIFYING EACH PIECE OF EQUIPMENT, DESIGN PARAMETERS. AND FINAL BALANCED CONDITIONS. FINAL BALANCE REPORT SHALL BE REVIEWED BY THE ENGINEER ACCEPTANCE OF THE MECHANICAL SYSTEMS.

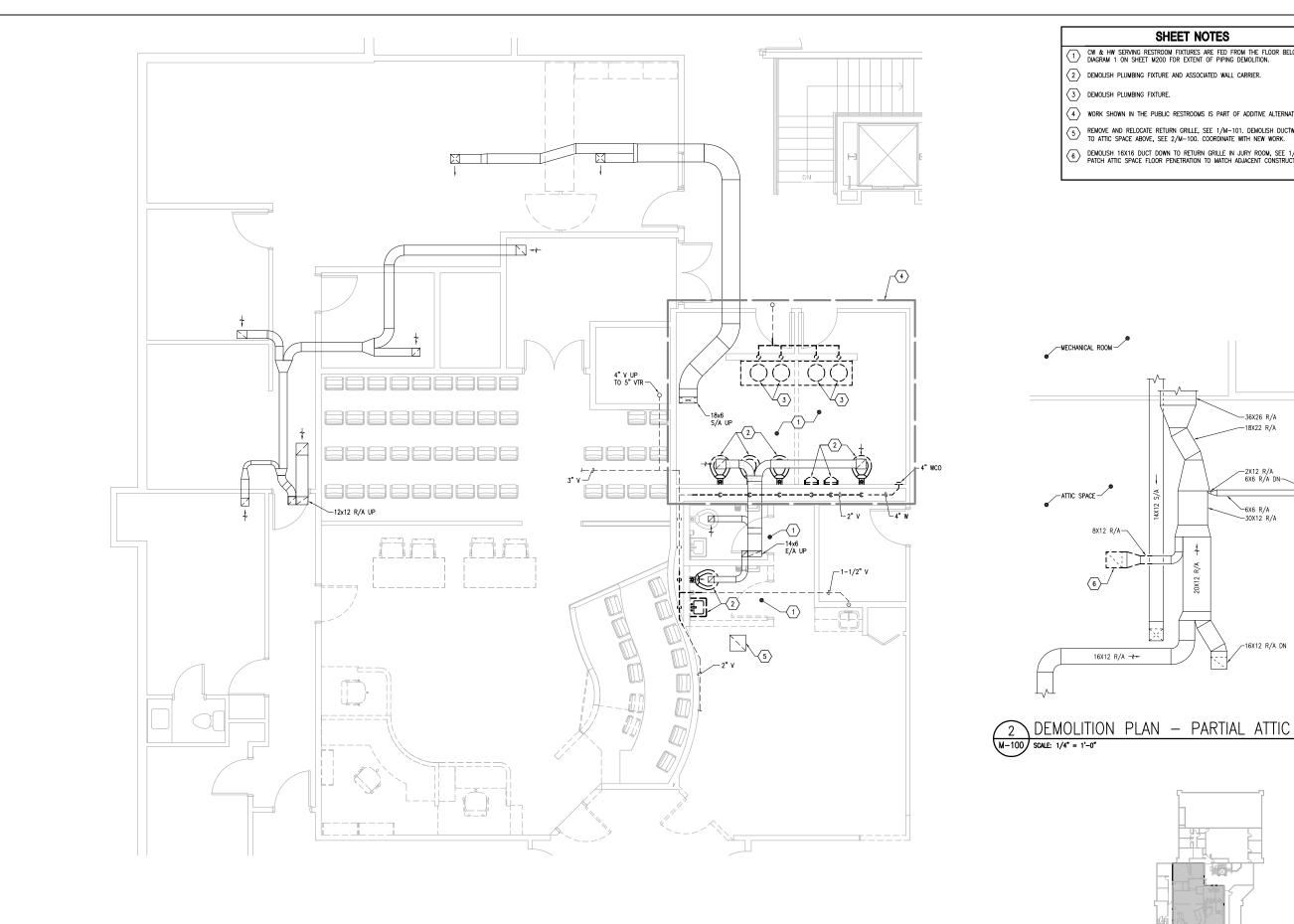
TAB AGENCY SHALL PROVIDE OFFICE AND FIELD SERVICES FOR FIELD ACTIVITIES, WHICH INCLIDE VERIFICATION OF TAB INFORMATION, TESTING, ADJUSTING, AND SEQUENCING OF EQUIPMENT, AND REVISIONS TO OPERATING CONDITIONS. TAB AGENCY SHALL RECORD CHANGES AND SUBMIT POST TESTING TAB REPORT FOR EQUIPMENT OR FLOW CHANGES INCLUDING. BUT NOT LIMITED TO THE EXHAUST FAN.

COURTHOUSE: UPGRADES BENCH & WITNESS STAND ROUGH OF WRANGELL

ANGELL CONTROL TO JUDGI

WRAI

M-002



- (1) CW & HW SERVING RESTROOM FIXTURES ARE FED FROM THE FLOOR BELOW. SEE DIAGRAM 1 ON SHEET M200 FOR EXTENT OF PIPING DEMOLITION.
- igg(2igg) DEMOLISH PLUMBING FIXTURE AND ASSOCIATED WALL CARRIER.
- $\boxed{3}$ DEMOLISH PLUMBING FIXTURE.

___MECHANICAL ROOM_____

ATTIC SPACE

8X12 R/A-

16X12 R/A →-

- 5) REMOVE AND RELOCATE RETURN GRILLE, SEE 1/M-101. DEMOLISH DUCTWORK UP TO ATTIC SPACE ABOVE, SEE 2/M-100. COORDINATE WITH NEW WORK.
- 6 DEMOLISH 16X16 DUCT DOWN TO RETURN GRILLE IN JURY ROOM, SEE 1/M-100. PATCH ATTIC SPACE FLOOR PENETRATION TO MATCH ADJACENT CONSTRUCTION.

-36X26 R/A

-2X12 R/A 6X6 R/A DN-

-6X6 R/A

WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL DEMOLITION PLAN - SECOND FLOOR - MECHANICAL

SHEET NUMBER M-100

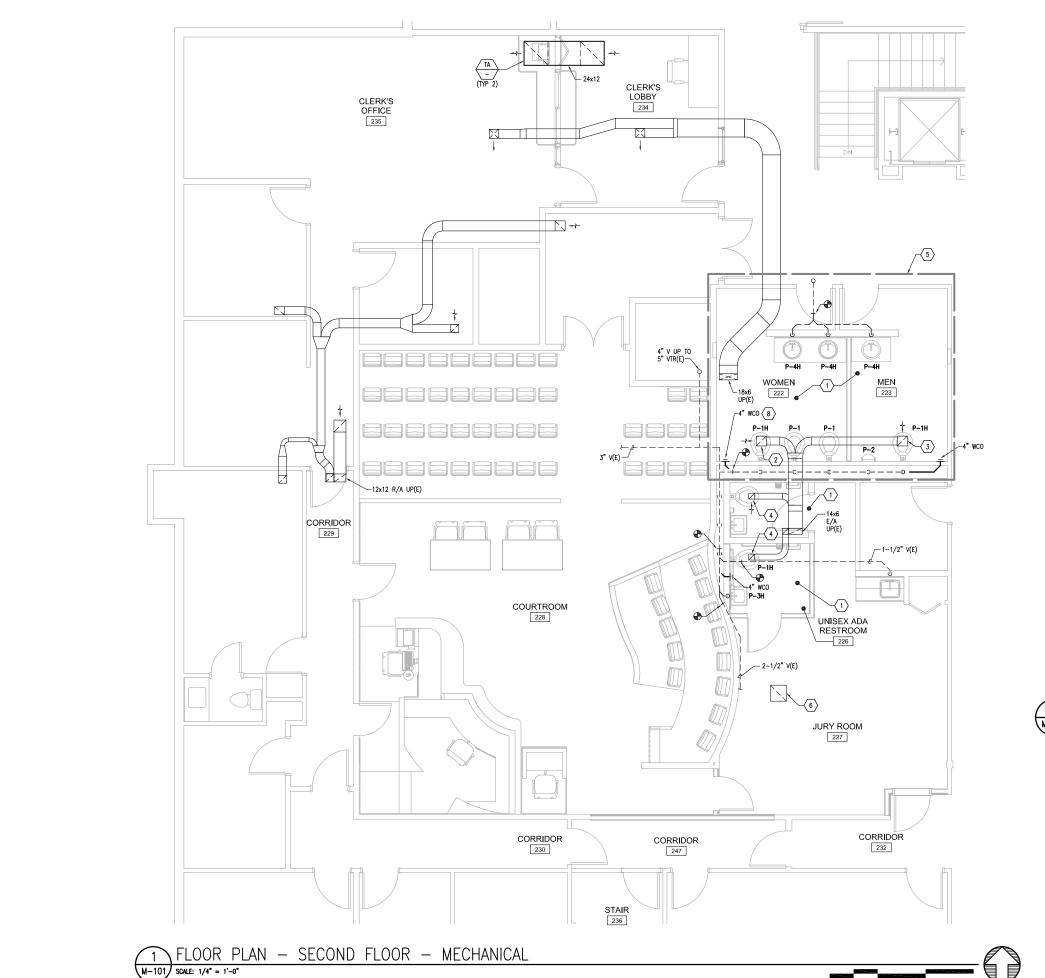


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KEY PLAN BID DOCUMENTS

DEMOLITION PLAN - SECOND FLOOR - MECHANICAL

M-100 SCALE: 1/4" = 1'-0"



- $\fbox{1}$ SEE DIAGRAM 2 ON SHEET M200 FOR EXTENT OF PLUMBING WORK.
- 2 EXISTING EXHAUST GRILLE.
 BASE BID: BALANCE TO 165 CFM.
 ADDITIVE ALTERNATE: BALANCE TO 180 CFM.

MECHANICAL ROOM

ATTIC SPACE

8X12 R/A

7

8X12 R/A (E)-

- 3 EXISTING EXHAUST GRILLE.
 BASE BID: BALANCE TO 165 CFM.
 ADDITIVE ALTERNATE: BALANCE TO 150 CFM.
- 4 EXISTING EXHAUST GRILLE, BALANCE TO 50 CFM.
- $\langle 5 \rangle$ work shown in the public restrooms is part of additive alternate.
- 6 RELOCATE EXISTING RETURN GRILLE TO LOCATION SHOWN, COORDINATE WITH EXISTING LIGHTING AND SPRINKLER HEADS. PROVIDE 16X16 DUCT UP TO ATTIC SPACE ABOVE, SEE 2/M-101.
- 7 16X16 R/A DUCT DOWN TO RELOCATED RETURN GRILLE, SEE 1/M-101. PROVIDE PENETRATION THROUGH ATTIC FLOOR TO MATCH EXISTING DUCT PENETRATIONS THROUGH ATTIC FLOOR.

-36X26 R/A (E) 18X22 R/A (E)

−2X12 R/A (E) 6X6 R/A DN (E)⊸

~6X6 R/A (E)

-30X12 R/A (E)



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REVI	#							
REVISIONS & ADDENDUMS	DATE							
NDUMS	REMARKS							

WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL

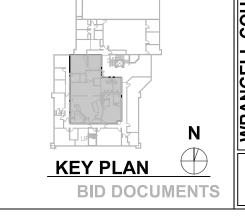
FLOOR PLAN - SECOND FLOOR - MECHANICAL

SHEET NUMBER

M-101

2 | F L U U I \
M-101 | SCALE: 1/4" = 1'-0" \FLOOR PLAN - PARTIAL ATTIC

16X12 R/A (E) →-



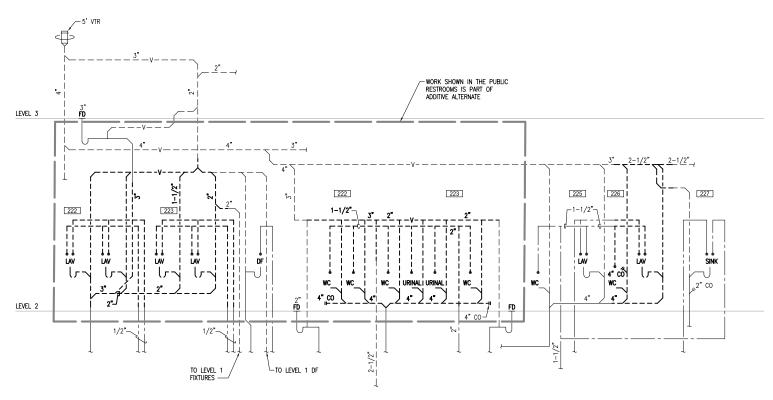


DIAGRAM - RESTROOM PLUMBING DEMOLITION 1 DIAC.
M-200 SCALE: NONE

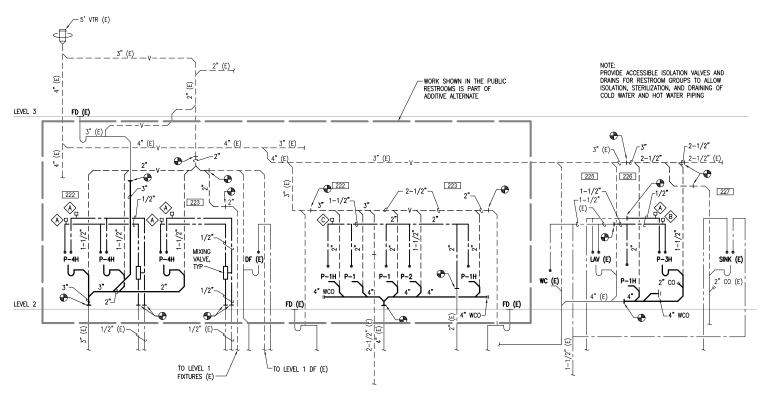


DIAGRAM - RESTROOM PLUMBING M-200 SCALE: NONE



MANAGEMENT DESIGNED BAS DRAWN ERP CHECKED - APPROVED - LAST EDIT		NED BAS		- 9	i,	WED -	DIT
BAS ERP		BAS	ERP				
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	REVISIONS & ADDENDUMS	DATE					
REVISIONS & ADDE	NDUMS	REMARKS					

WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL DRAWING FILE NAME 14812 - M-200

DIAGRAMS

M-200

	OFNEDAL	ADDDENIATION	10	LIGHTING	1	DOWED		ODEOLAL OVOTEMO
	GENERAL	ABBREVIATION		LIGHTING		POWER		SPECIAL SYSTEMS
SYMBOL	DESCRIPTION	ACS ALASKA COURT SYSTEM AFF ABOVE FINISHED FLOOR	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(1)	SHEET NOTE CONVENTION: REFERENCED SHEET NOTE	afg above finished grade al aluminum approx approximate		LIGHTING FIXTURE, LINEAR LAMP(S)	þ	RECEPTACLE MOUNTING: RECEPTACLE — WALL MOUNTED	∢ x	TELECOMMUNICATION OUTLET - WALL MOUNTED (X DENOTES NUMBER OF PORTS, IF OTHER THAN 4)
2.	GENERAL SHEET NOTE	AHJ AUTHORITY HAVING JURISDICTION BAS BUILDING AUTOMATION SYSTEM CJB CLERK'S JUNCTION BOX		LIGHTING FIXTURE — WALL MOUNTED LIGHTING FIXTURE —		(SEE "RECEPTACLE TYPES" BELOW) RECEPTACLE — FLOOR MOUNTED	■x	TELECOMMUNICATION OUTLET — FLOOR MOUNTED (X DENOTES NUMBER OF PORTS, IF OTHER THAN 4)
D	FEEDER IDENTIFICATION TAG —— FEEDER NUMBER	CKT CIRCUIT CCTV CLOSED CIRCUIT TELEVISION CONDUIT		SURFACE OR PENDANT MOUNTED LIGHTING FIXTURE — RECESS MOUNTED		(SEE "RECEPTACLE TYPES" BELOW) RECEPTACLE - CEILING MOUNTED	⋖ c,x	TELECOMMUNICATION OUTLET — CEILING MOUNTED (X DENOTES NUMBER OF PORTS, IF OTHER THAN 4)
	DETAIL REFERENCE	A.O. CONDUIT ONLY CU COPPER		LIGHTING FIXTURE CONNECTED TO		(SEE "RECEPTACLE TYPES" BELOW)	₫	TELEPHONE OUTLET, SINGLE JACK - WALL MOUNTED
E0.1 2	DETAIL NUMBER	D DEMOLISH DB DECIBEL		EMERGENCY POWER CIRCUIT		DECEDIAL E TYPES	⊸ •	INTERCOM ADMIN PHONE
		DBC DATABASE CONTROLLER (ACS DOOI EL EMERGENCY LIGHT ELU EMERGENCY LIGHTING UNIT	R CONTROLLER)	LIGHTING FIXTURE CONNECTED TO EMERGENCY POWER CIRCUIT, NIGHT LIGHT	l ю	RECEPTACLE TYPES: DUPLEX RECEPTACLE		DOOR HOLDER
		ENL EMERGENCY NIGHT LIGHT	l . *	EXIT FIXTURE — WALL MOUNTED			DC	DOOR HOLDER/CLOSER
EO	SECTION REFERENCE SECTION NUMBER	(E) EXISTING (F) FUTURE (ETR) EXISTING TO REMAIN	Η <u>Φ</u>	SHADED AREA(S) DENOTE FACE(S) OF SIGN, ARROWS AS NOTED (FIXTURE TYPE EX)	₩	GROUND FAULT INTERRUPTER, DUPLEX RECEPTACLE		DOOR CONTACT
1	SHEET WHERE SECTION APPEARS	FAA FIRE ALARM ANNUNCIATOR FACP FIRE ALARM CONTROL PANEL	l⊕l	EXIT FIXTURE — CEILING MOUNTED SHADED AREA(S) DENOTE FACE(S) OF SIGN,	₩	DOUBLE DUPLEX RECEPTACLE	KP _	SECURITY KEYPAD
	LINE WORK CONVENTION:	FO FIBER OPTIC FOPP FIBER OPTIC PATCH PANEL		ARROWS AS NOTED (FIXTURE TYPE EX)	₩##	GROUND FAULT INTERRUPTER, DOUBLE DUPLEX RECEPTACLE		SECURITY CARD READER
₩ —	NEW OR REINSTALLED ITEM	FSD FIRE/SMOKE DAMPER HZ FREQUENCY HP HORSEPOWER	l C	EMERGENCY LIGHTING UNIT — WALL MOUNTED (FIXTURE TYPE XA)				CCTV CAMERA - PAN TILT ZOOM
⊭}	ITEM TO BE DEMOLISHED	IAW IN ACCORDANCE WITH K KELVIN	h	EMERGENCY LIGHTING UNIT — CEILING MOUNTED (FIXTURE TYPE XA)		SPECIAL PURPOSE RECEPTACLE.		CCTV CAMERA — FIXED
₩ —	EXISTING ITEM TO REMAIN	KVA KILO VOLT-AMPS KW KILOWATT	•••	SITE LIGHTING — POLE MOUNTED	●	NEMA TYPE AS NOTED	160	SPEAKER - WALL MOUNTED
₩	FUTURE ITEM	MCC MOTOR CONTROL CENTER MCP MOTOR CONTROL PANEL		SINGLE POLE SWITCH	•	POWER POLE	®	SPEAKER — CEILING OR PENDANT MOUNTED
\$72/3 🗀	EXISTING ITEM TO BE RELOCATED	MDS MAIN DISTRIBUTION SWITCHBOARD MIN MINIMUM MM MILITIMODE FIBER OPTIC CARLE	\$	THREE—WAY SWITCH	6	MOTOR	HM	MICROPHONE - WALL MOUNTED
	CONDUIT/FEEDER LINE CONVENTION:	MM MULTIMODE FIBER OPTIC CABLE MTR MAIN TELECOM ROOM NEC NATIONAL ELECTRICAL CODE	\$,	FOUR-WAY SWITCH	\$	SWITCH - THERMAL TRIP WITH HEATER	M	MICROPHONE - FLOOR MOUNTED
	CONCEALED	NFPA NATIONAL FIRE PROTECTION ASSOC NL NIGHT LIGHT	CIATION \$	SWITCH FOR FIXTURES MARKED 'a',		SURFACE MOUNTED RACEWAY	₩	TELEVISION OUTLET, +90" AFF, UON.
/	UNDERGROUND OR CONCEALED IN FLOOR	NC NORMALLY CLOSED NO NORMALLY OPEN	\$ _D	DIMMER SWITCH	ď	FUSED DISCONNECT		MECHANICAL
/	EXPOSED	N/A NOT APPLICABLE NIC NOT IN CONTRACT	\$ _k	KEYED SWITCH	1 5	NON-FUSED DISCONNECT	SYMBOL	DESCRIPTION
\\	FLEXIBLE CONDUIT	NTS NOT TO SCALE OFC OPTICAL FIBER CABLE OFCI OWNER FURNISHED, CONTRACTOR	\$ M	MOMENTARY SWITCH	l 💆	COMBINATION STARTER/FUSED DISCONNECT	(T)	THERMOSTAT
P-1.3	CIRCUITING CONVENTION	OFOI OWNER FURNISHED, CONTRACTOR OFOI OWNER FURNISHED, OWNER INSTAL PA PUBLIC ADDRESS	LLED	OCCUPANCY SENSOR/SWITCH		STARTER OR CONTACTOR		FLOOR DIFFUSER (EXISTING TO REMAIN)
		PACS PAGING ANNOUNCEMENT CONTROL PH PHASE (ELECTRICAL)	l á	PILOT LIGHTED SWITCH PHOTOCELL		JUNCTION BOX AND/OR CONNECTION TO EQUIPMENT	▶ (R)	FLOOR DIFFUSER (TO BE RELOCATED)
	BRANCH CIRCUIT HOMERUN TO PANELBOARD	PLC PROGRAMMABLE LOGIC CONTROLLE PMCS POWER MONITORING CONTROL SYS (R) RELOCATED		OCCUPANCY SENSOR - WALL MOUNTED	1	10 Edou uplat		FLOOR DIFFUSER (TO BE RELOCATED) AND
	NUMBER OF MARKS INDICATE NUMBER OF CONDUCTORS IN RACEWAY,	SMR SURFACE MOUNTED RACEWAY SPD SURGE PROTECTIVE DEVICE	*	OCCUPANCY SENSOR - CEILING MOUNTED		PANEL – SURFACE MOUNTED	(R)	DUCT EXTENDED UNDER THIS CONTRACT CELLING DIFFUSED (TO BE BELOCATED)
/	NOMBER OF CONDUCTORS IN RACEWAY, NOT COUNTING GROUNDING CONDUCTORS. (ABSENCE OF MARKS INDICATE TWO	TELECOM TELECOMMUNICATION TCS TERMINAL CONSTRUCTION STANDAR	RDS	NOTE LOW VOLTAGE CHITCH/ED) FOR FIXTURE		PANEL — FLUSH MOUNTED	(R) (C)	CEILING DIFFUSER (TO BE RELOCATED)
	CONDUCTORS, PLUS ANY REQUIRED GROUNDS) NUMBER OF ARROWS INDICATE	TR TELECOMMUNICATION ROOM TYP TYPICAL UON UNLESS OTHERWISE NOTED	\$a,b,c LV	KEYED LOW VOLTAGE SWITCH(ES) FOR FIXTURES MARKED 'a', 'b', 'c', ETC		TRANSFORMER		ROUND CEILING DIFFUSER (TO BE RELOCATED)
	NUMBER OF CIRCUITS UNSWITCHED CONDUCTORS SHOWN ON	VR VANDAL RESISTANT VSD VARIABLE SPEED DRIVE						
\\	HOMERUN SIDE OF NEUTRAL NEUTRAL	VAC VOLTS (ALTERNATING CURRENT) VDC VOLTS (DIRECT CURRENT)						
	SWITCHED CONDUCTORS SHOWN ON LOAD SIDE OF NEUTRAL	V VOLTS OR VOLTAGE W WATT WP WEATHERPROOF						
	COND SIDE OF NEOTIFIE	WG WIRE GUARD						
			NOTE: THIS IS A STANDAR	D LEGEND. NOT ALL SYMBOLS NECESSARILY APPEAR ON T	THE DRAWINGS			

- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS DETAILING POWER, TELECOM, AND OTHER SPECIAL SYSTEM WORK REQUIRED BY THESE DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK. THE CONTRACTOR IS REQUIRED TO IDENTIFY THE CLOSEST 120V POWER THE CONTRACTOR IS REQUIRED TO IDENTIFY THE CLOSEST IZEV POWER SOURCE (ELECTRICAL PANEL) WITH SUFFICENT PHYSICAL AND ELECTRICAL CAPACITY TO ACCOMODATE THE WORK DESCRIBED BELOW. SUBMIT EXISTING AND PROPOSED PANEL SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO COMMENDING WORK. THE CONTRACTOR IS REQUIRE TO IDENTIFY THE CLOSEST TELECOM PATCH PANEL THAT WILL ACCOMODATE THE WORK DESCRIBED BELOW. PROVIDE ADDITIONAL TELECOM LATCH BANEL IS AS DEQUIRED.
- PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR COMPLETE, SAFE WORKABLE ELECTRICAL SYSTEMS AS OUTLINED BELOW. COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE LOCAL, STATE AND MATIONAL CODES AND STANDARDS.
- MATERIALS SHALL BE NEW, FULL WEIGHT, AND BEAR THE UL LABEL.
- COORDINATE WORK WITH OTHER TRADES AND ARCHITECTURAL FEATURES COORDINATE WORK WITH OTHER TRADES AND ARCHITECTURAL FEATURES TO PROVIDE SYMMETRICAL APPEARANCE. IMMEDIATELY NOTIFY THE OWNER IN WRITING SHOULD CLARIFICATION BE REQUIRED DUE TO A CONFLICT OF QUANTITY, COORDINATION, LOCATION, ETC. THE OWNER'S DECISION IS FINAL AND BINDING. EXTRA COSTS INVOLVED TO COMPLY WITH THE SPECIFICATIONS CAUSED BY A CONFLICT NOT BROUGHT TO THE ATTENTION OF THE OWNER IMMEDIATELY UPON DISCOVERY SHALL BE BORNE BY THE ELECTRICAL CONTRACTOR UNLESS EXTRA COST IS ADDROVED. IN WRITING.
- CONDUCT A SITE VISIT PRIOR TO SUBMISSION OF BID AND EXAMINE EXISTING CONDITIONS AND THE SPECIFICATIONS FOR DISCREPANCIES BETWEEN THIS AND OTHER DIVISIONS OF THE WORK AND THE SITE. REPORT IN WRITING FIVE WORKING DAYS PRIOR TO BID OPENING ANY DISCREPANCIES WHICH THE CONTRACTOR BELIEVES ARE CONTRARY TO CODE OR THAT WILL NOT FUNCTION AS SHOWN. IF NONE ARE REPORTED IT IS ASSUMED THAT THE ABOVE CONDITIONS HAVE BEEN MET AND THE CONTRACTOR WILL BE RESPONSIBLE FOR A COMPLETE INSTALLATION WITH NO ADDITIONAL COST TO THE OWNER.
- OBTAIN AND PAY FOR ALL PERMITS AND REQUIRED INSPECTIONS
- EMPLOY WORKMEN SKILLED IN THE TRADE AND FAMILIAR WITH TECHNIQUES REQUIRED TO COMPLETE THE WORK IN A NEAT AND WORKMANLIKE MANNER. WORKMANSHIP IS SUBJECT TO APPROVAL BY THE CHANGE.
- FURNISH A ONE YEAR GUARANTEE FOR ALL ELECTRICAL MATERIALS AND LABOR. GUARANTEE SHALL COMMENCE AT FINAL PAYMENT. MAKE ALL NECESSARY REPAIRS IN A TIMELY MANNER AT NO COST TO THE OWNER.
- WIRING SHALL BE COPPER. THEN /THWN INSULATION MINIMUM. MINIMUM WIRE SIZE #12 AWG. ALL CONDUCTORS USED ON THIS PROJECT SHALL BE COPPER, SOLID OR STRANDED FOR WIRING #10 OR SMALLER, STRANDED FOR #8 OR LARGER.

- 10) WIRING SHALL BE IN METAL RACEWAYS. FITTINGS SHALL BE STEEL/MALLEABLE IRON. PROVIDE PROPERLY SIZED AND BONDED GROUNDING CONDUCTORS WITH POWER CIRCUITS.
- WIRING DEVICES SHALL BE SPECIFICATION GRADE. COLOR SELECTED BY THE CONTRACTING AGENCY. SUBMIT FOR APPROVAL. CONNECT A MAXIMUM OF FOUR DUPLEX RECEPTACLES TO A SINGLE CIRCUIT.
- 12) MICROPHONE OUTLETS WILL BE PROVIDED IN ACCORDANCE WITH THE ALASKA COURT SYSTEM STANDARD SPECIFICATIONS/DESIGN GUIDE.
- 13) FURNISH NEATLY TYPED, FULLY DETAILED BRANCH CIRCUIT DIRECTORY IN PANEL. ODD CIRCUITS ON LEFT, EVEN ON RIGHT.
- 4) TELECOMMUNICATIONS OUTLETS SHALL HAVE THE FOLLOWING MINIMUM FEATURES:
 - BE PROVIDED COMPLETE WITH BOXES, BOX MUD RINGS, RACEWAYS, BUSHINGS, AND UNTERMINATED CABLES WITH SLACK AT BOTH ENDS. AT HEAD END, PROVIDE ADEQUATE SLACK FOR TERMINATION
- b) BOXES SHALL BE MINIMUM 4-11/16" SQ BY 2-1/8" DEEP.
- c) RACEWAYS SHALL BE MINIMUM 1' EMT STUBBED UP INSIDE WALLS TO THE ACCESSIBLE CEILING SPACE WITH J-HOOKS TO EXISTING CABLE TRAY OR TO LOCAL AREA TELECOM ROOM OR CLOSET.
- d) RACEWAY STUBS AND SLEEVES SHALL BE EQUIPPED WITH INSULATING BUSHINGS.
- e) RACEWAYS SHALL BE PROVIDED INSIDE WALLS AND FOR TRANSITION FROM ABOVE CEILING TO THE HEAD END EQUIPMENT. ALL RACEWAYS SHALL BE PROPERLY FIRESTOPPED. OPEN PLENUM-RATED CABLE SHALL BE PROVIDED ABOVE THE CEILING. SUPPORT OPEN CABLES IN BRIDAL RINGS.
- CABLES SHALL BE 4-PAIR CATEGORY 5e, PLENUM RATED. NO FACTORY OR OTHER SPLICES ARE ALLOWED.
- g) THE INSTALLER OF THE TELECOM CABLES AND RACEWAYS SHALL HAVE AT LEAST THREE (3) YEARS EXPERIENCE WITH SIMILAR INSTALLATIONS
- h) ALL WORK SHALL COMPLY WITH APPLICABLE ANSI/TIA/EIA AND BICSI STANDARDS, SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS, AND SHALL BE ACCEPTABLE TO THE DATA SYSTEM AND THE TELEPHONE SYSTEM PROVIDERS.
- TELECOMMUNICATIONS HORIZONTAL CABLING TERMINATION MODULES (BLOCKS) SHALL HAVE THE FOLLOWING MINIMUM FEATURES:
- TERMINATION MODULES AND ASSOCIATED PARTS SHALL BE CATEGORY 5e AT&T 110 TYPE.

- **ELECTRICAL PERFORMANCE SPECIFICATIONS** k) TELEPHONE AND DATA TERMINATION MODULES SHALL BE MOUNTED IN SEPARATE COLUMNS FROM EACH OTHER AND FROM MODULES OF OTHER PERFORMANCE CATEGORIES. THE MODULES SHALL BE MOUNTED AS CLOSE AS PRACTICAL TO RELATED CROSS CONNECTING MODULES. THE MODULES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS, NO MORE THAN 7' 0' AFF, AND NO LESS THAN 1'6' AFF.
 - LABELING AND PERFORMANCE CATEGORY / USAGE COLOR CODING SHALL BE APPLIED TO THE MODULES AND ASSOCIATED CABLING.
 - 15) TELECOMMUNICATIONS OUTLETS SHALL HAVE THE FOLLOWING MINIMUM
 - TELECOMMUNICATIONS OUTLETS WITH ASSOCIATED FACEPLATE AND JACKS SHALL MAKE UP A 4 POSITION MODULAR ASSEMBLY RATED FOR CATEGORY 56 USE WITH INTEGRAL AT&T 110 TYPE TERMINATIONS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 - b) JACKS SHALL BE OF TYPE TIA 568B FOR ALL DATA CONNECTIONS.
 - EACH JACK SHALL BE LABELED ON THE OUTLET FACEPLATE WITH BOTH SOURCE AND DESTINATION INFORMATION CONSISTENT WITH ANSI/TIA/EIA-606A SPECIFICATIONS.

a) EXAMINATION: DRAWINGS INVOLVING EXISTING CONDITIONS ARE BASED ON BUILDING RECORD DRAWINGS AND/OR LIMITED FIELD OBSERVATION. CONDUCT A SITE INSPECTION PRIOR TO SUBMISSION OF BID TO BECOME THOROUGHLY FAMILIARIZED WITH THE SCOPE OF WORK. REPORT DISCREPANCIES TO OWNER BEFORE DISTURBING EXISTING INSTALLATION. VERIFY FIELD MEASUREMENTS AND CIRCUITING ARRANGEMENTS. VERIFY THAT ABANDONED WIRING AND EQUIPMENT SERVE ONLY ABANDONED FACILITIES. BEGINNING OF DEMOLITION IMPLIES CONTRACTOR ACCEPTS EXISTING

- DISCONNECT ELECTRICAL SYSTEMS IN WALLS, FLOORS, AND CEILINGS SCHEDULED FOR REMOVAL.
- b) COORDINATE UTILITY SERVICE OUTAGES WITH UTILITY COMPANY AND CONTRACTING AGENCY.
- c) PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.

- EXISTING ELECTRICAL SERVICE: MAINTAIN EXISTING SYSTEMS IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER AT LEAST 24 Connections. Diain Permission from Owner at least 24 Hours before partially or completely disabling system. Contractor shall not be entitled to any additional compensation due to inability of owner to grant an outage at the desired time. Minimize outage duration. Make temporary connections to maintain service in Areas adjacent to work area.
- WORK ON THE EXISTING FIRE ALARM SYSTEM (IF ANY) IS NOT ANTICIPATED.
- 19) DEMOLITION OF EXISTING ELECTRICAL WORK
- REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.
- b) REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY.
- c) REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONCEALED CONDUIT FLUSH WITH WALLS AND FLOORS, AND PATCH SURFACES.
- DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS WHICH ARE NOT REMOVED. IN FINISHED AREAS, BLANK COVERS SHALL BE BLANK PLATES MATCHING THE DEVICE PLATES SPECIFIED FOR NEW WORK, UNLESS OTHERWISE NOTED OR SPECIFIED.
- e) DISCONNECT AND REMOVE ABANDONED PANELBOARDS AND DISTRIBUTION EQUIPMENT.
- DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.
- g) REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.
- MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANELS AS APPROPRIATE.
- RESTORE CIRCUITS AND SYSTEMS THAT REMAIN THAT ARE AFFECTED IN ANY WAY BY DEMOLITION WORK SUCH AS LOADS DOWNSTREAM
 OF DEMOLISHED EQUIPMENT, SWITCHED LIGHTING CIRCUITS WHERE

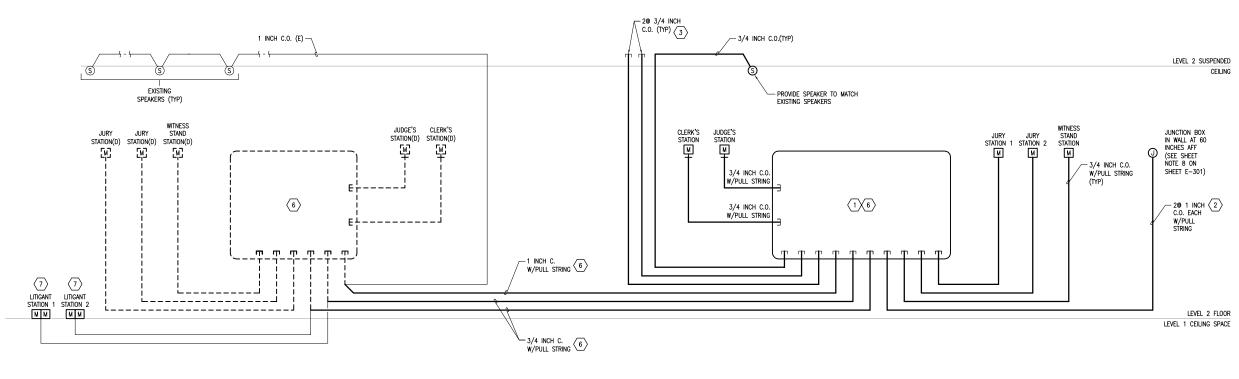
- j) SALVAGE OR DISPOSAL OF REMOVED ITEMS SHALL BE AS NOTED ON THE DRAWINGS OR AS DIRECTED BY THE CONTRACTING AGENCY. ITEMS WHICH THE OWNER DOES NOT DESIRE TO RETAIN SHALL BE DISPOSED OF AT A LEGAL DISPOSAL SITE.
- CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED OR ARE AFFECTED BY THIS WORK.
- b) PANELBOARDS: CLEAN EXPOSED SURFACES AND INTERIOR OF CABINET AND RETORQUE ELECTRICAL CONNECTIONS. REPLACE DAMAGED CIRCUIT BEAKERS AND PROVIDE CLOSURE PLATES FOR VACANT POSITIONS. PROVIDE TYPED CIRCUIT DIRECTORY SHOWING
- c) Modifications to special systems (i.e., intercom, public address) shall be certified and the system performance shall be certified to be edual, or better to 'performance prior to construction by the system manufacturer's AUTHORIZED REPAIR/SERVICE PERSONNEL.
- 1) OVERCURRENT PROTECTIVE DEVICES
- a) CIRCUIT PROTECTIVE DEVICES SHALL BE MOLDED CASE CIRCUIT BREAKERS SAME MANUFACTURER AS PANELBOARD. CIRCUIT BREAKER RATINGS SHALL MATCH THE RATING OF EXISTING CIRCUIT BREAKERS IN THE PANEL..
- 22) FIRE RATED, FLUSH MOUNTED POKE THROUGHS
- FIRE RATED, FLUSH MOUNTED POKE THROUGHS SHALL PROVIDE POWER, TELECOMMUNICATIONS, AND MICROPHONE SERVICE AS REQUIRED BY THESE SPECIFICATIONS.
- b) The unit shall incorporate individual emt tubes for power and telecommunications. Power tube shall be 3/4 inch diameter emt and two telecommunications tubes shall be 3/4 inchedited emt.
- ALL FITTINGS SHALL BE UL CLASSIFIED WITH A FIRE RESISTANCE OF 1-4 HOUR RATING IN REINFORCED CONCRETE FLOORS AND 1-3 HOUR RATING IN FLOORS EMPLOYING STEEL FORM UNITS.
- d) SERVICE DEVICES SHALL BE EQUIPPED WITH ALL WIRING DEVICES, TELECOM OUTLETS, AND MICROPHONE AS SHOWN ON THE DRAWINGS. PROVIDE ALL ACCESSORIES.

BID DOCUMENT

WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL LEGEND & SPECIFICATIONS

WHPacific

SHEET NUMBER E-001



 $\langle 6 \rangle$

PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.

DEMOLISH EXISTING CJB IAW SHEET E-102. INTERCEPT EXISTING CONDUIT, SPEAKER CIRCUITS, MICROPHONE CIRCUITS, ETC. AND EXTEND INTO NEW CJB PROVIDED IAW THIS DETAIL AND SHEET E-301.

 $\begin{picture}(60,0)\put(0,0){\line(1,0){10}}\put(0,0){\line(1,0){10}$

PROVIDE CLERK JUNCTION BOX (CJB) IAW SHEET NOTE 2 ON SHEET E-301.

 $\fbox{2}$ Stub conduits into 5 inch square box provided IAW sheet note 8 on E-301.

4. REVISE ABOVE CEILING DEVICES IAW SHEET NOTES 2 AND 16 ON SHEET E-301.

3 STUB CONDUITS INTO ACCESSIBLE CEILING SPACE.

DETAIL - CLERK'S JUNCTION BOX (CJB)

SCALE: NTS

LTG: RM. 235* LTG: RM. 235* LTG: RM. 233-234* REC: RM. 235* REC: RM. 233*	KVA 0.80 0.80 0.80 0.72	AMP 20 20 20	POWER POLE 1	ABC 1+2	ND SPECIFIC KVA 0.80	AMP		COURTROOM 228 CIRCUIT DESCRIPTION
IRCUIT DESCRIPTION LTG: RM. 235* LTG: RM. 235* LTG: RM. 233-234* REC: RM. 235* REC: RM. 235*	0.80 0.80 0.80 0.72	20 20	POLE 1 1	1+2				
LTG: RM. 235* LTG: RM. 233-234* REC: RM 235* REC: RM 233*	0.80 0.80 0.72	20	1		0.80	00		
LTG: RM. 233–234* REC: RM 235* REC: RM 233*	0.80		1			20	1	*LTG: RM. 227*
REC: RM 235* REC: RM 233*	0.72	20		3-+-4	0.80	20	1	*LTG: RM. 224, 225, 226*
REC: RM 233*			1	5+6	0.80	20	- 1	*LTG: RM. 237, 238, 239*
	0.70	20	1	7+8	0.80	20	1	*LTG: RM. 240*
	0.72	20	1	9-+-10	0.72	20	1	*REC: RM 227*
REC: RM 235-234*	0.72	20	1	11+12	0.72	20	- 1	*REC: RM 227*
REC: RM 238-240*	0.72	20	1	13+14	0.72	20	1	*REC: RM 224*
REC: RM 240*	0.72	20	1	15-+-16	0.72	20	1	*REC: RM 227*
-CRT RM POKE THROUGHS +	0.72	20	1	17+18	0.72	20	- 1	*REC: RM 237*
-CRT RM JUDGE'S BENCH AND WITNESS STAND+	0.90	20	1	19+20	0.72	20	1	*REC: RM 237*
REC: COURT ROOM*	0.18	20	1	21-+-22	0.72	20	1	*REC: RM 237-239*
REC: COURT ROOM*	0.18	20	1	23+24	0.72	20	1	*REC: RM 225-226*
-CRT RM - CLERK'S STAND+	1.08	20	1	25+26	0.54	20	1	+RESTROOMS 222, 223, AND 226+
ADA OPERATOR %	0.30	20	1	27-+-28				SPACE
PACE				29+30				SPACE
TOTAL CONNECTED LOADS - A - B	7.8 5.7	,,			27	POLE S	PACES	USED
" – C " – ALL	5.4 18.9		=	E2	AMPS		200	VOLTS, 3-PHASE
TOTAL LOAD WITH NEC FACTORS = EXISTING TO REMAIN	20.3		=		AMPS	w	200	YOUIS, S-ITIMSE

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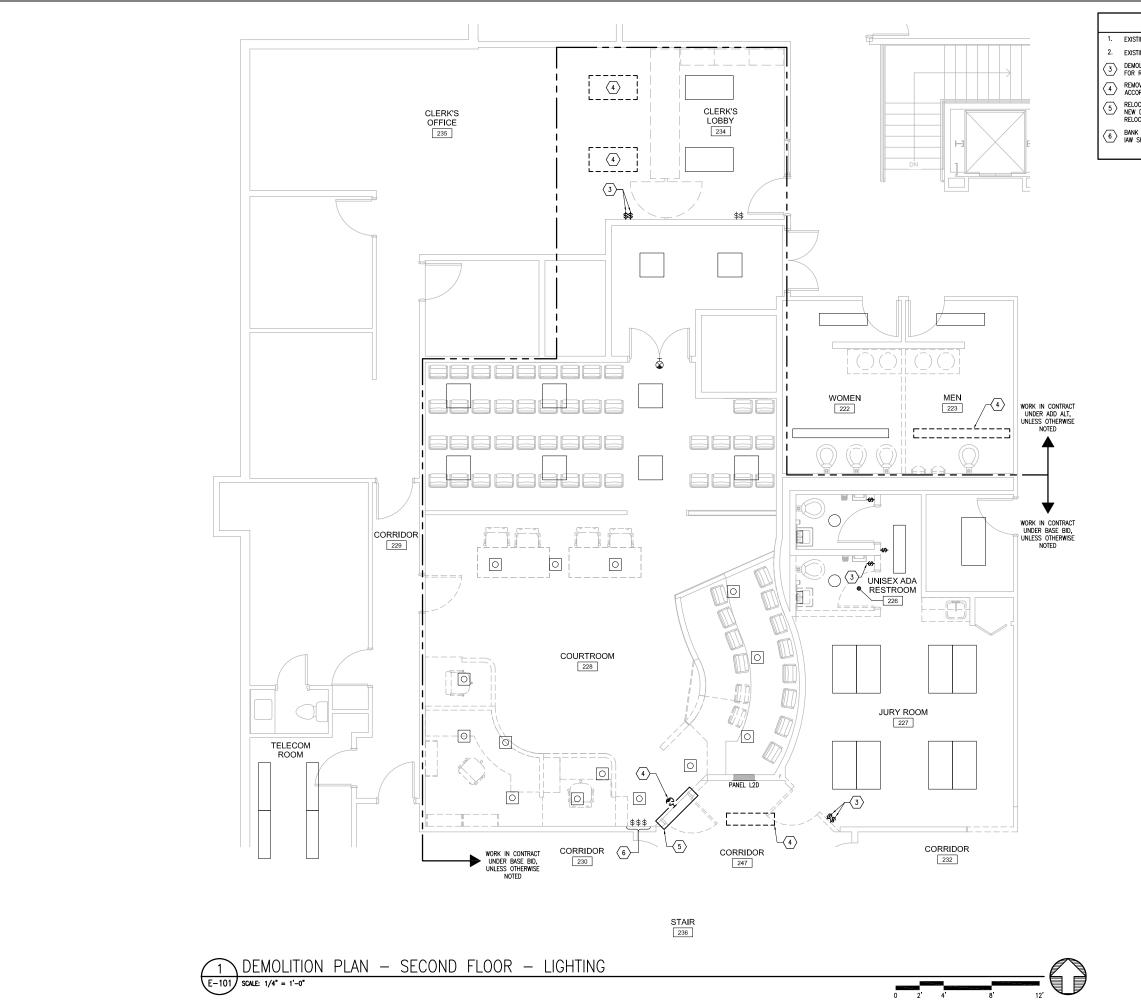
WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL

- O &

14812 - E-002

E-002

BID DOCUMENTS



- 1. EXISTING COVE LIGHTING IN COURTROOM 228 TO REMAIN.
- 2. EXISTING DEVICES ARE TO REMAIN UNLESS OTHERWISE NOTED.
- 3 DEMOLISH EXISTING LIGHT SWITCH BACK TO LAST DEVICE TO REMAIN AND RETAIN FOR RE-INSTALLATION IN ACCORDANCE WITH SHEET E-201.
- REMOVE EXISTING LIGHT FIXTURE AND RETAIN FOR RE-INSTALLATION IN ACCORDANCE WITH SHEET E-201.
- TELOCATE EXISTING CIRCUITS LOCATED ABOVE DOOR TO ALLOW INSTALLATION OF NEW DOOR IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS. INTERCEPT, RELOCATED, EXTEND, AND RE-CONNECT AS REQUIRED.

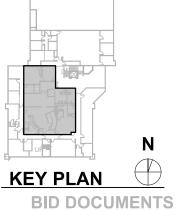


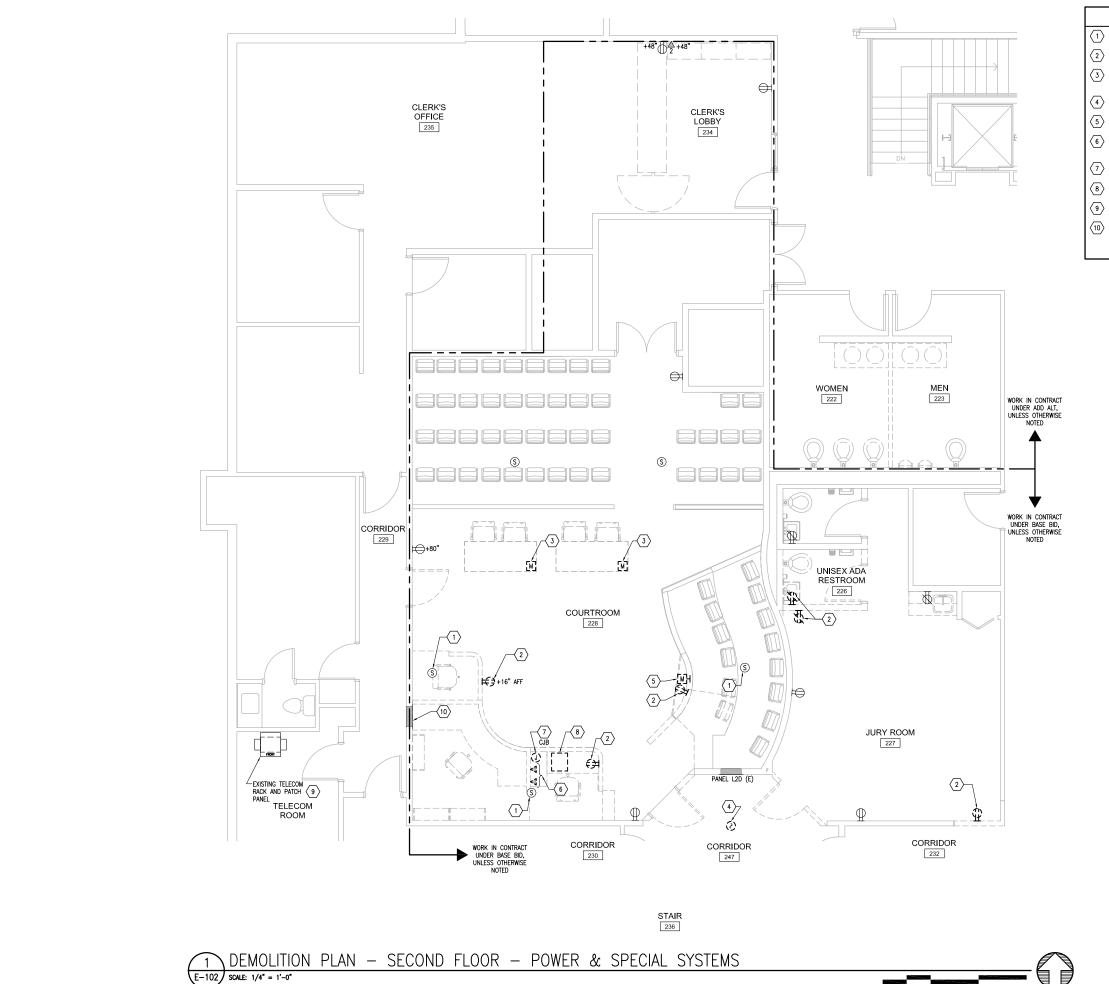
WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL

DEMOLITION PLAN - SECOND FLOOR - LIGHTING SHEET NUMBER

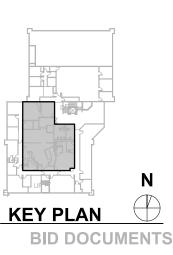
PROJECT NUMBER | DRAWING FILE NAM | 14812 - E-101

E-101





- EXISTING CEILING SPEAKERS TO REMAIN.
- DEMOLISH EXISTING RECEPTACLE. DEMOLISH EXISTING RECEPTACLE CIRCUIT BACK TO LAST DEVICE TO REMAIN OR SOURCE PANEL AND MAKE SAFE.
- REMOVE EXISTING FIRE ALARM SYSTEM SMOKE DETECTOR AND RETAIN FOR RE-INSTALLATION IAW SHEET $E\!-\!301$.
- 5 DEMOLISH EXISTING MICROPHONE OUTLET.
- 6 DEMOLISH TWO EXISTING TELECOM OUTLETS. DEMOLISH EXISTING TELECOM HORIZONTAL CABLES BACK TO SOURCE PATCH PANEL. DEMOLISH EXISTING CONDUIT BACK TO AN ACCESSIBLE CONCEALED LOCATION AND RETAIN FOR FUTURE USE.
- DEMOLISH EXISTING CLERK'S JUNCTION BOX (CJB). RETAIN EXISTING CONDUIT AND WIRING FOR EXTENSION TO NEW CJB LOCATION IAW SHEET E-301.
- 8 EXISTING AUDIO EQUIPMENT RACK TO BE REMOVED BY ACS.
- $\begin{tabular}{lll} \hline 9 & SOURCE PATCH PANEL LOCATION FOR EXISTING TELECOM HORIZONTAL CABLE DEMOLISHED UNDER THIS CONTRACT. \\ \hline \end{tabular}$
- \$\langle 10\$ EXISTING ACCESS PANEL. RELOCATE TO ACCOMMODATE INSTALLATION OF DOOR 228B. INTERCEPT EXISTING CONDUITS AND CIRCUITS, EXTEND, AND RE-CONNECT AS REQUIRED.

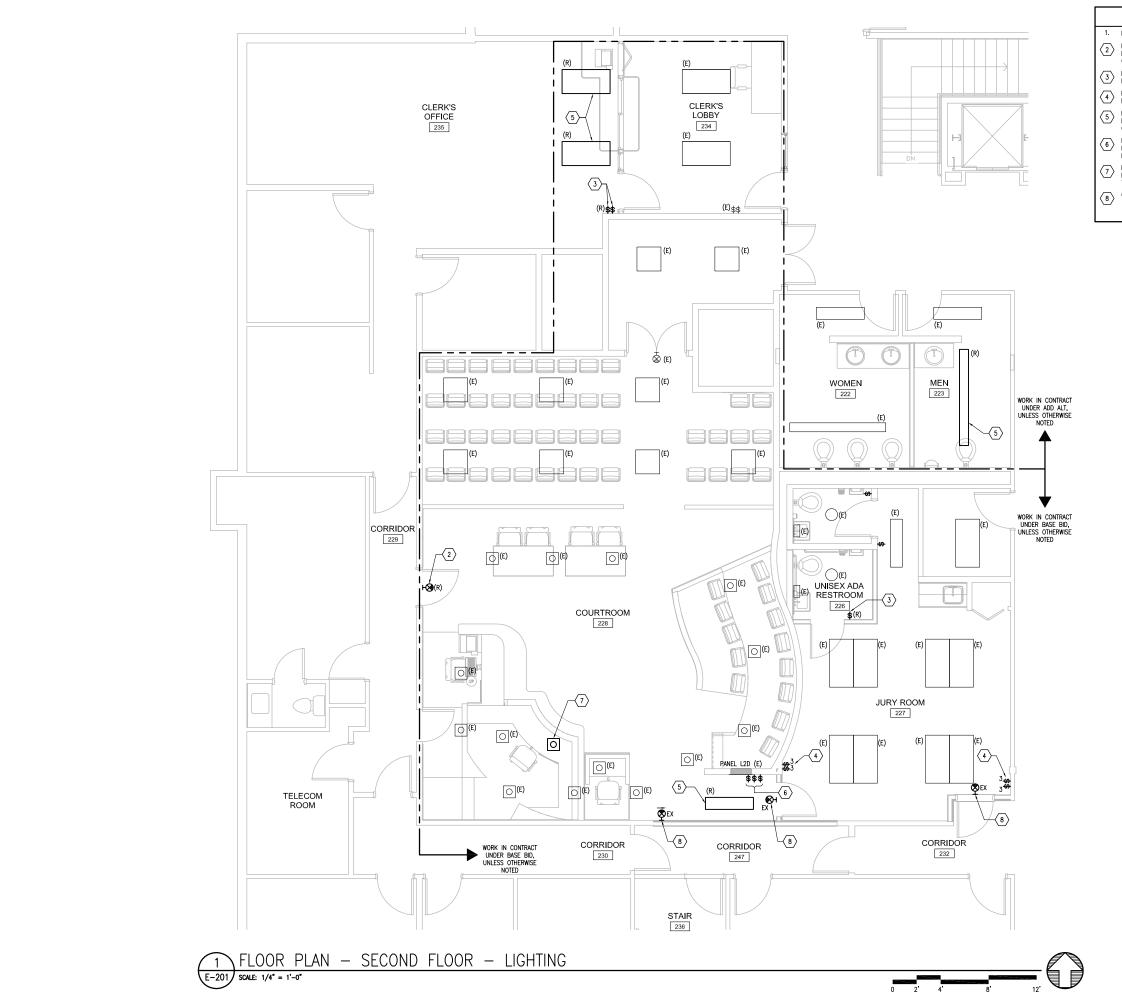


DEMOLITION PLAN - SECOND FLOOR - POWER & SPECIAL SYSTEMS DRAWING FILE NAM 14812 - E-102

WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL

SHEET NUMBER

E-102



- 1. LIGHT FIXTURES AND OTHER DEVICES ARE EXISTING TO REMAIN UON.
- 3 RELOCATE EXISTING LIGHT SWITCH TO LOCATION SHOWN. INTERCEPT, EXTEND, AN RE-CONNECT EXISTING SWITCHED LIGHTING CIRCUIT AS REQUIRED.
- PROVIDE 3-WAY SWITCHES AS INDICATED. INTERCEPT, EXTEND, AND RE-CONNEC EXISTING SWITCHED LIGHTING CIRCUIT AS REQUIRED.
- (5) RE-INSTALL EXISTING LIGHT FIXTURE RETAINED FOR RE-INSTALLATION IAW SHEET E-101. INTERCEPT, EXTEND, AND RE-CONNECT EXISTING SWITCHED LIGHTING CIRCUIT AS REQUIRED.
- (6) INSTALL EXISTING COURTROOM 228 LIGHT SWITCHES RETAINED IAW SHEET E-101. INTERCEPT, EXTEND, AND RECONNECT EXISTING SWITCHED AND UN-SWITCHED LOCAL LIGHTING CIRCUITS.
- 7 PROVIDE RECESSED DOWNLIGHT. MATCH EXISTING ADJACENT DOWNLIGHTS. INTERCEPT EXISTING LOCAL, SWITCHED LIGHTING CIRCUIT, EXTEND, AND CONNECT TO LIGHT FIXTURE.
- 8 CONNECT TO LOCAL UNSWITCHED LIGHTING CIRCUIT.



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MANAGEMENT	Ę	REV	REVISIONS & ADDENDUMS	NDUMS
DESIGNED Designer	Designer	#	DATE	REMARKS
DRAWN	Author			
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WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL FLOOR PLAN - SECOND FLOOR - LIGHTING

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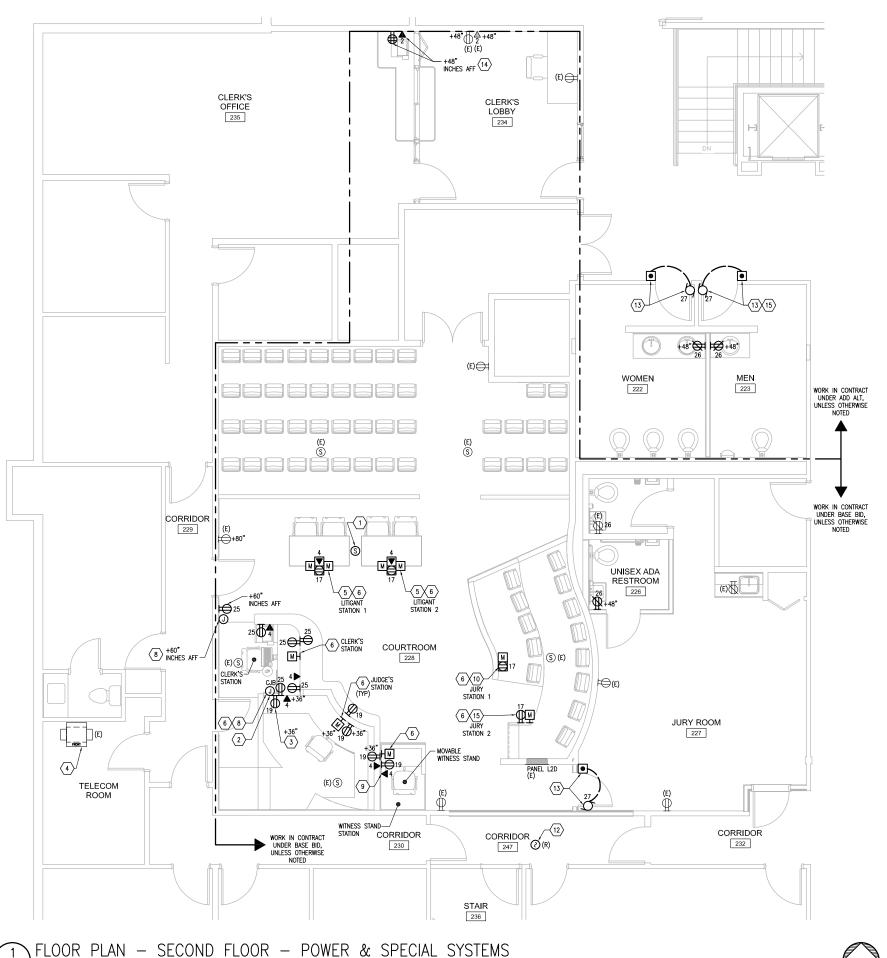
KEY PLAN

BID DOCUMENTS

| DRAWING FILE NAM | 14812 - E-201

SHEET NUMBER

E-201

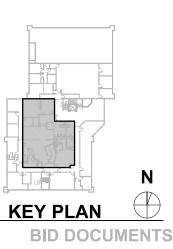


E-301 SCALE: 1/4" = 1'-0"

SHEET NOTES

- PROVIDE SPEAKERS AS REQUIRED TO MATCH EXISTING. PROVIDE 3/4 INCH CONDUIT FROM SPEAKERS TO CJB IAW DETAIL 1 ON SHEET E-002. COORDIN EXACT LOCATION WITH THE OWNER PRIOR TO CONSTRUCTION.
- $\begin{tabular}{lll} \hline 3 & CONNECT DEVICES TO EXISTING PANEL L2D, CIRCUIT AS NOTED, UNLESS OTHERWISE NOTED. \\ \hline \end{tabular}$
- EXISTING WALL MOUNTED TELECOM RACK WITH EXISTING TELECOM PATCH PANEL TERMINATE TELECOM HORIZONTAL CABLES PROVIDED UNDER THIS CONTRACT TO SPARE PORTS ON EXISTING TELECOM PATCH PANEL.
- SPARE PORTS ON EXISTING TELECOM PAICH PARKE.

 PROVIDE WIREMOLD TYPE RFB4 FLOOR BOX (OR APPROVED EQUAL) AND COVER PLATE TO MATCH EXISTING FLOOR COLOR FOR IN-FLOOR POWER, MICROPHONE, AND DATA EQUIPMENT. ONE END OF FLOOR BOX TO HAVE A WIREMOLD RFB-B BRACKET AND THE OTHER END TO HAVE A WIREMOLD RFB-D BRACKET. PROVIDE RECEPTECLES, DATA, AND MICROPHONE OUTLETS AS INDICATED IN SINGLE FLOOR BOX (SEPARATE FLOOR BOX FOR EACH SYMBOL SHOWN FOR CLARITY ONLY) ORDER APPROPRIATE BRACKET TO MOUNT DATA. CORORINATE WITH OWNER PRIOR TO ORDERING MATERIALS. REFER TO DETAIL ON SHEET E-002 FOR ADDITIONAL INFORMATION.
- PROVIDE 3/4 INCH CONDUIT HOMERUN WITH PULL STRING FROM EACH MICROPHONE OUTLET TO CLERK'S JUNCTION BOX PROVIDED IAW SHEET NOTE 2. REFER TO DETAIL ON SHEET E-002 FOR ADDITIONAL INFORMATION.
- CONNECT ALL DEVICES PROVIDED UNDER THIS CONTRACT TO PANEL L2D.
- 8 PROVIDE 5 INCH x 5 INCH x 2-7/8 INCH FLUSH MOUNTED PULLBOX AT 60 INCHES AFF CENTERED DETRIES OF THE STATE O PROVIDE 5 INCH X 2-1/70 INCH ELSTA MOUNTED POLLEDA AT 10 INCHES AFF CENTERED BETWEEN CLERK'S TATION AND ADJACENT DOOR. PROVIDE 2 EACH 1 INCH CONDUITS WITH PULL STRING FROM PULLEDX TO CJB. REFER TO DETAIL ON SHEET E-002 FOR ADDITIONAL INFORMATION.
- PROVIDE DUPLEX RECEPTACLE, MICROPHONE OUTLET, AND 4 PORT TELECOM OUTLET FOR CONNECTION TO MOVEABLE WITNESS STAND MOUNTED DEVICES. PROVIDE 3/4 INCH CONDUIT HOMERUN WITH PULL STRING FROM MICROPHONE OUTLET TO CLERK'S JUNCTION BOX PROVIDED IAW SHEET NOTE 2.
- PROVIDE FLOOR BOX ADJACENT TO JURY RAIL WITH DUPLEX RECEPTACLE, TELECOM OUTLETS, AND MICROPHONE OUTLET FOR CONNECTION TO JURY RAIL MOUNTED DEVICES. PROVIDE 3/4 INCH CONDUIT HOMERUN WITH PULL STRING FROM MICROPHONE OUTLET TO CLERK'S JUNCTION BOX PROVIDED IAW SHEET NOTE 2.
- 11. DEVICES ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- $\stackrel{\textstyle (12)}{}$ RE-INSTALL EXISTING FIRE ALARM SYSTEM SMOKE DETECTOR RETAINED FOR RE-INSTALLATION IAW SHEET E-102.
- PROVIDE ELECTRICAL CONNECTION TO ADA OPERATOR PROVIDED UNDER DIVISION 8. CONNECT TO CIRCUIT NOTED. SEE ARCHITECTURAL FOR REQUIRED PUSH BUTTON LOCATIONS. CONNECT DOOR OPENING DEVICE TO DOOR OPENING DEVICE PUSH BUTTON IAW THE MANUFACTURER'S INSTRUCTIONS. SEE ARCHITECTURAL FOR REQUIRED PUSH BUTTON LOCATIONS.
- 14 INTERCEPT EXISTING RECEPTACLE CIRCUIT ABOVE THE ACCESSIBLE CEILING SPACE APPROXIMATELY EIGHT FEET TO THE EAST, EXTEND, AND CONNECT TO THIS RECEPTACLE.
- LOCATE IN THE APPROXIMATE 12 INCH HIGH VERTICAL RISER AT THE EDGE OF THE PLATFORM. COORDINATE EXACT, FINAL LOCATION WITH THE OWNER PRIOR TO (15) CONSTRUCTION.
- FIELD VERIFY HEIGHT OF RECEPTACLES, TELECOM OUTLETS, AND MICROPHONE OUTLETS WITH CASEWORK MANUFACTURER PRIOR TO ROUGH IN. HEIGHTS GIVEN ARE APPROXIMATE AND SHOULD BE VERIFIED.





SPECIAL SYSTEMS

WRANGELL COURTHOUSE: UPGRADES TO JUDGE'S BENCH & WITNESS STAND CITY AND BOROUGH OF WRANGELL

FLOOR PLAN - SECOND FLOOR 14812 - E-301

SHEET NUMBER E-301