

TRUE NORTH

MESA COUNTY DETENTION FACILITY DOOR REPLACEMENT

215 RICE STREET GRAND JUNCTION, CO 81501

BLYTHE GROUP + CO. PROJECT # 1929

09/25/2019 FOR CONSTRUCTION

FOR CONSTRUCTION

ARCHITECTURAL

PROJECT DESIGN TEAM

ARCHITECTURE:



Interior Design Project Managemer **BLYTHE GROUP** + co

DRAWING SHEET INDEX

SHEET NUMBER SHEET NAME TITLE SHEET & SPECIFICATIONS FLOOR PLANS & DOOR SCHEDULE

GENERAL ABBREVIATIONS

DETENTION HOLLOW METAL

FINISH FLOOR

SECURITY GLAZING

GENERAL SYMBOLS

ROOM NAME A202A

DOOR NUMBER

ROOM NUMBER/NAME

GLASS

PROJECT DESCRIPTION

THIS DOOR REPLACEMENT PROJECT WILL REPLACE 44 WOOD DOOR LEAFS WITH DETENTION HOLLOW METAL DOOR LEAFS. EXISTING HOLLOW METAL FRAMES ARE TO REMAIN.

SEQUENCING

DETENTION HOUSING UNITS WILL BE OCCUPIED DURING CONSTRUCTION ACTIVITIES. EACH DOOR TO BE REPLACED MUST BE COMPLETED IN ITS ENTIRETY BY END OF EACH WORK DAY.

ALTERNATE 1

ADD ALTERNATE WORK TO INCLUDE THE REPLACEMENT OF DOOR CLOSERS FOR 44 DOORS.

NEW CLOSERS ARE LCN 2215 DPS. DOOR CLOSERS WILL REQUIRE AN INTEGRATED DOOR POSITION SENSOR.

GENERAL NOTES

- THESE CONSTRUCTION DOCUMENTS WERE PREPARED WITH DRAWINGS OF EXISTING CONDITIONS PROVIDED BY THE OWNER. ARCHITECT HAS PERFORMED ONLY MINOR VISUAL AND MEASUREMENT VERIFICATION OF OWNER PROVIDED INFORMATION AND IS NOT LIABLE FOR ITS ACCURACY. CONTRACTOR SHALL VERIFY ALL PRIOR TO CONSTRUCTION.
- ARE THE RESPONSIBILITY OF THE OWNER AND/ OR CONTRACTOR TO VERIFY WITH THE EXISTING BUILDING

3. ALL MATERIALS. PRODUCTS AND BUILDING SYSTEMS ARE TO BE INSTALLED IN A WORKMAN LIKE MANNER

- INTERNATIONAL BUILDING CODE.
- **ACTUAL LEAF OPENINGS**
- 6. ALL NEW INTERIOR HOLLOW METAL DOORS ARE TO BE PAINTED PT (ALL SIDES) UNO
- 7. SALVAGE AND REUSE EXISTING SECURITY GLAZING (GL) WHERE POSSIBLE. 8. SALVAGE AND REUSE EXISTING DOOR HARDWARE (SH-110) WHERE POSSIBLE AND AS SPECIFIED.
- 9. COORDINATE CONSTRUCTION SCHEDULE WITH OWNER.

215 RICE STREET. **GRAND JUNCTION CO**

MESA COUNTY DETENTION

FACILITY DOOR REPLACEMENT

Interior Design

622 Rood Avenue

970-242-1058 office

BLYTHE GROUP + co.

Project Management

Grand Junction, CO 81501

SPECIFICATIONS

DETENTION HOLLOW METAL (DHM) DOORS (TYPE: A

- SUBMITTALS
- A. PRODUCT DATA: INCLUDE CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, CORE DESCRIPTIONS, LABEL COMPLIANCE, FIRE-RESISTANCE RATING, AND FINISHES FOR EACH TYPE OF DETENTION DOOR, FRAME AND ACCESS PANEL, AS SPECIFIED. B. PROVIDE PERFORMANCE TESTING REPORTS WHICH SUPPORT THE TESTING REQUIREMENTS SPECIFIED.
- MANUFACTURERS A. APPROVED MANUFACTURERS FOR DETENTION HOLLOW METAL DOORS SHALL BE AS FOLLOWS:
- CLABORN MANUFACTURING; HARTSELLE, AL
- TRUSSBILT; NEW BRIGHTON, MN DETENTION HOLLOW METAL (DHM) DOORS
- A. PROVIDE DETENTION HOLLOW METAL DOOR LEAF CONFIGURATION AS PER DOOR TYPE A ELEVATION, WITH VARYING WIDTHS. FIELD
- VERIFY ALL REQUIRED DOOR LEAF SIZES. B. PROVIDE INTEGRATED DETENTION GRADE RECESSED DOOR PULLS MOUNTED AS INDICATED ON DOOR TYPE A ELEVATION, TO COMPLY WITH ADA STANDARDS. DOOR PULLS ARE TO BE ON ONE SIDE OF THE DOOR LEAF, INSTALLED WITH PULL ON THE
- C. PROVIDE FLUSH-DESIGN DETENTION DOORS, 2 INCHES THICK, OF SEAMLESS HOLLOW CONSTRUCTION, UNLESS OTHERWISE INDICATED. CONSTRUCT DETENTION DOORS WITH SMOOTH, FLUSH SURFACES WITHOUT VISIBLE JOINTS OR SEAMS ON EXPOSED
- . VISIBLE JOINTS OR SEAMS AROUND GLAZED, LOUVERED PANEL INSERTS ARE PERMITTED.
- FOR SINGLE-ACTING SWINGING DETENTION DOORS, BEVEL BOTH VERTICAL EDGES 1/8 INCH IN 2 INCHES. D. METALLIC CORE CONSTRUCTION: PROVIDE THE FOLLOWING CORE CONSTRUCTION WELDED TO BOTH DETENTION DOOR FACES:
- 1. STEEL-STIFFENED CORE: 0.042-INCH-THICK, STEEL VERTICAL STIFFENERS EXTENDING FULL-DOOR HEIGHT, WITH VERTICAL WEBS SPACED NOT MORE THAN 4 INCHES APART, SPOT WELDED TO FACE SHEETS A MAXIMUM OF 3 INCHES O.C. FILL SPACES BETWEEN STIFFENERS WITH INSULATION OF MINIMUM 0.6-LB/CU. FT. DENSITY.
- SHEETS AND FOR FULL HEIGHT AND WIDTH OF DOOR; WITH STIFFENERS WELDED TO FACE SHEETS NOT MORE THAN 3 INCHES O.C. VERTICALLY AND 2-3/4 INCHES HORIZONTALLY. FILL SPACES BETWEEN STIFFENERS WITH INSULATION OF MINIMUM 0.8-

2. TRUSS-STIFFENED CORE: 0.013-INCH- THICK STEEL, TRUNCATED TRIANGULAR STIFFENERS EXTENDING BETWEEN FACE

- E. VERTICAL EDGE CHANNELS: 0.123-INCH- THICK, CONTINUOUS STEEL CHANNEL EXTENDING FULL-DOOR HEIGHT AT EACH VERTICAL EDGE, WITH WEBS OF CHANNELS FLUSH WITH DOOR EDGES; WELDED TO TOP AND BOTTOM CHANNELS TO CREATE A FULLY WELDED PERIMETER CHANNEL.
- F. TOP AND BOTTOM CHANNELS: 0.123-INCH- THICK METAL CHANNEL SPOT WELDED, NOT MORE THAN 4 INCHES O.C., TO FACE
- 1. REINFORCE TOPS AND BOTTOMS OF DETENTION DOORS WITH INVERTED HORIZONTAL CHANNELS OF SAME MATERIAL AS FACE SHEET SO FLANGES OF CHANNELS ARE FLUSH WITH BOTTOM AND TOP EDGES OF FACE SHEETS.
- 2. CLOSE TOP EDGE WITH 0.074-INCH- THICK CLOSING CHANNEL OF SAME MATERIAL AS FACE SHEET; WELDED SO WEBS OF CHANNELS ARE FLUSH WITH TOP DOOR EDGES TO HAVE NO RECESSED AREAS.
- 3. CLOSE BOTTOM EDGE WITH 0.074-INCH- THICK CLOSING CHANNEL OF SAME MATERIAL AS FACE SHEET; WELDED SO WEBS OF CHANNELS ARE FLUSH WITH BOTTOM DOOR EDGES TO HAVE NO RECESSED AREAS. G. HARDWARE REINFORCEMENT: FABRICATE REINFORCING PLATES FROM SAME MATERIAL AS DETENTION DOOR FACE SHEETS TO
- COMPLY WITH THE FOLLOWING MINIMUM THICKNESS: 1. FULL-MORTISE HINGES AND PIVOTS: 0.187 INCH THICK.
- MAXIMUM-SECURITY SURFACE HINGES: 12 GA. 10"CHANNEL WITH 3/8" X 1" X 6" BACK-UP AT EACH HINGE. STRIKE REINFORCEMENTS: 10 GA. THICK.
- LOCK FRONTS, CONCEALED HOLDERS, AND RECESSED-MOUNTED CLOSERS: 0.093 INCH THICK.
- 5. ALL OTHER SURFACE-MOUNTED HARDWARE: 0.093 INCH THICK. 6. LOCK POCKETS: 0.123 INCH THICK AT SECURE SIDE; WELDED TO FACE SHEET.
- H. LOOSE GLAZING STOPS:
- 1. LOOSE GLAZING STOPS SHALL BE PRESSED STEEL ANGLES, NO LESS THAN 1-1/4" X 1 1/4" X 10 GAUGE. 2. ANGLE TOPS SHALL BE BUTT AND NOTCH AND TIGHT FITTING AT THE CORNER JOINTS, AND SECURED IN PLACE WITH 1/4-28 SPECIAL HARDENED TAMPERPROOF BUTTON HEAD TORX SECURITY SCREWS SPACED 8" O.C. MAXIMUM AND NOT MORE THAN 2 INCHES FROM EACH CORNER.
- 3. THE FRAME UNDERNEATH THE GLAZING STOPS AND THE INSIDE OF THE GLAZING STOP SHALL BE CHEMICALLY TREATED FOR MAXIMUM PAINT ADHESION AND PAINTED WITH A RUST-INHIBITIVE PRIMER PRIOR TO INSTALLATION IN THE FRAME
- I. HARDWARE ENCLOSURES: PROVIDE ENCLOSURES AND JUNCTION BOXES FOR ELECTRICALLY OPERATED DETENTION DOOR HARDWARE, INTERCONNECTED WITH UL-APPROVED, 1/2-INCH- DIAMETER CONDUIT AND CONNECTORS. 1. ENCLOSURES FOR MECHANICAL PARACENTRIC LOCKS WITH LOCK MOUNTINGS. PROVIDE UNITIZED POCKET PREPARATION,
- WHICH AFTER FABRICATION FORMS A ONE-PIECE BOX THAT PROVIDES FOR THE LOCK MOUNTING PLATE TO BE RECESSED INTO THE DOOR SUCH THAT, WHEN SECURED IN PLACE, THE MOUNTING PLATE OUTSIDE SURFACE IS FLUSH WITH THE DOOR
- a. LOCK PREPARATION SHALL BE CONSTRUCTED FROM 0.123 INCH STEEL, PUNCHED FOR KEYING OPTIONS AS REQUIRED, AND DRILLED AND TAPPED TO RECEIVE LOCK MOUNTING PLATE.
- b. FINISHED PREPARATION SHALL BE A UNITIZED LOCK POCKET, WHICH COMPLETELY SURROUNDS THE LOCK AND IS SECURELY WELDED TO BOTH FACE SHEETS AND THE PERIMETER EDGE CHANNEL.
- 2. PROVIDE 0.067 INCH ENCLOSED LOCK BOLT KEEPER IN EDGE OF DOOR FOR JAMB-MOUNTED LOCKS.

DOOR HARDWARE SET (SH-110

- 1. WHERE POSSIBLE, USE EXISTING DOOR HARDWARE FROM DEMOLISHED WOOD DOORS. ALL HINGES SHOULD BE REPLACED AS SPECIFIED BELOW. ANY NEW HARDWARE TO BE BRUSHED STAINLESS STEEL FINISH.
- A. OPERATING AND MAINTENANCE DATA IN ACCORDANCE WITH EXISTING WIRING DIAGRAMS FOR LOCKING DEVICES. PROVIDE
- COPIES TO OWNER FOR COORDINATION. B. OPERATION / MAINTENANCE MANUALS: FURNISH 3 COPIES OF PARTS CATALOG, MAINTENANCE, AND OPERATING MANUALS FOR DETENTION HARDWARE AND DOOR LOCK CONTROL SYSTEM. THESE MANUALS SHALL BE PRECISELY EXPRESSED,
- CLEAR, AND SPECIFIC. 3. PRODUCTS & OPERATIONS
 - A. SECURITY DESIGN CRITERIA ARE BASED ON THE REQUIREMENTS AND FEATURES OF THE CURRENT INSTALLED PRODUCTS, WHICH ARE LISTED HEREIN. THE USE OF ONE MANUFACTURER'S NUMERIC DESIGNATION DOES NOT IMPLY OTHER MANUFACTURER'S PRODUCTS WILL NOT BE ACCEPTED.
 - B. HINGES:
 - 1. FURNISH THREE HINGES FOR DOORS WITHIN THIS PROJECT SCOPE. HINGES SHALL BE SS # 204FMSS, MORTISED, 4-1/2" X 4-1/2" X 3/16", STAINLESS STEEL, BALL BEARING, WITH
 - NON-REMOVABLE STAINLESS STEEL PINS. ALL HINGES SHALL BE FURNISHED WITH SECURITY 1/4-20 TORX FHMS 1. ENSURE KEY SYSTEM TO MATCH EXISTING OPERATIONS AND AS DIRECTED BY THE OWNER. THE SECURITY HARDWARE
 - COORDINATOR SHALL MEET WITH THE OWNER'S REPRESENTATIVE AND DETERMINE SPECIFIC KEYING REQUIREMENTS. A COMPLETE KEYING SCHEDULE SHALL BE SUBMITTED FOR REVIEW AND APPROVAL. THE DETENTION EQUIPMENT SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL KEYS AND SHALL TURN THEM OVER TO THE OWNER AS DIRECTED
 - D. ALL ELECTRICALLY OPERATED HARDWARE SHALL BE FURNISHED WITH BOTH MALE AND FEMALE MOLEX CONNECTORS WITH 6 INCH "PIGTAILS". PROVIDE 5% SPARE CONNECTORS.
 - E. WIRING AND CONNECTION OF DOOR POSITION SWITCHES AND LOCKS SHALL BE DONE BY DETENTION CONTRACTOR FOR A
- SINGLE POINT OF CONNECTION IN LOCK POCKET FOR SWINGING DOORS. PROVIDE LOCKS AND SWITCHES AND ADJUST FOR PROPER MECHANICAL ALIGNMENT AFTER INSTALLATION. THE DOOR POSITION SWITCH SHALL BE ADJUSTED TO PROVIDE AN OPEN INDICATION BEFORE THE DOOR OR GRATE IS OPEN FAR
- 4. DETENTION HARDWARE SET USE EXISTING FOR ALL, VERIFY SOUND OPERATING CONDITION IN FIELD. PROVIDE NEW HINGES
- A. FOR REFERENCE: SH-110 = 2" DETENTION HOLLOW METAL JAMB FOR CELL

SOUTHERN STEEL 204FMSS 1 EA RECESSED PULL BY DOOR MANUFACTURER 1010AM-2 1 EA LOCK (EXIST) SOUTHERN STEEL 3 EA SILENCERS (EXIST) GLYNN JOHNSON

INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS

ENOUGH TO PROVIDE 1/16" GAP BETWEEN THE STRIKE PLATE AND THE LOCK.

GLAZING (GL)

- WHERE POSSIBLE, USE EXISTING GLAZING (GL) FROM DEMOLISHED WOOD DOORS. PROVIDE GLAZING FOR TWO COMPLETE DOORS
- WHEN REPLACEMENTS ARE NECESSARY, SEE BELOW.
- A. SHOP DRAWINGS: SUBMIT SHOP DRAWINGS SHOWING QUANTITIES, TYPES, AND LOCATIONS.
- B. SECURITY GLAZING PRODUCTS: SUBMIT MANUFACTURER'S TECHNICAL DATA DESCRIBING PRODUCTS, AND MANUFACTURER'S SIGNED STATEMENT THAT SUCH PRODUCTS DO NOT FAIL TO MEET THE HEREIN SPECIFIED BALLISTIC AND PHYSICAL ATTACK RETENTION REQUIREMENTS.
- MANUFACTURERS A. APPROVED MANUFACTURERS FOR SECURITY GLAZING SHALL BE AS FOLLOWS:
 - INSULGARD / GE DSM SHEFFIELD
 - GLOBAL SECURITY GLAZING
 - 4. LTI SMART GLASS
- 4. SECURITY GLAZING (GL)
- A. MONOLITHIC POLYCARBONATE SECURITY GLAZING IS TO BE THE FOLLOWING TYPE: 1. MONOLITHIC POLYCARBONATE UNITS OF THICKNESS REQUIRED TO MEET THE PHYSICAL ATTACK RETENTION
- REQUIREMENTS OF SECURITY GRADE 3 PER ATSM F 1915 2. UNIT TO HAVE MARGARD II ABRASIN AND RESISTANT COATING OR EQUIVALENT (GRAFFITI / SCRATCH RESISTANT / ANTI-
- YELLOWING FOR PERIOD OF 10 YEARS) 3. BASIS-OF-SPECIFICATION PRODUCT: GLOBAL SECURITY GLAZING; LEXAN MR10.
- A. PROVIDE CLEANERS, SEALERS, PRIMER, SETTING BLOCKS, SPACERS, SHIMS AND OTHER ACCESSORIES MADE BY OR RECOMMENDED BY GLASS ASSEMBLY MANUFACTURERS FOR CONDITIONS OF INSTALLATION IN EACH CASE, AND AS REQUIRED BY REFERENCE STANDARDS.

PAINT (PT)

- SUBMITTALS
- A. PRODUCT DATA FOR EACH TYPE OF PRODUCT INDICATED
- B. SAMPLES FOR VERIFICATION: FOR EACH TYPE OF PAINT SYSTEM AND IN EACH COLOR AND GLOSS OF TOPCOAT INDICATED.
- SUBMIT SAMPLES ON RIGID BACKING, 8 INCHES SQUARE. . ENVIRONMENTAL REQUIREMENTS: SUBMIT PRODUCT DATA OR SDS INDICATING COMPLIANCE WITH EMISSIONS AND VOC CONTENT OF PRODUCTS SPECIFIED TO BE PROVIDED FOR THE PROJECT. HIGHLIGHT OR CIRCLE APPLICABLE VOC CONTENT
- ON SUBMITTAL AND INDICATE SPECIFIED LIMIT TO BE COMPLIED WITH. MANUFACTURERS A. AVAILABLE MANUFACTURERS: PRODUCTS SPECIFIED ARE BASED ON:
- SHERWIN WILLIAMS.
- 3. PAINT, GENERAL A. MATERIAL COMPATIBILITY:
 - 1. PROVIDE MATERIALS FOR USE WITHIN EACH PAINT SYSTEM THAT ARE COMPATIBLE WITH ONE ANOTHER AND SUBSTRATES INDICATED, UNDER CONDITIONS OF SERVICE AND APPLICATION AS DEMONSTRATED BY MANUFACTURER, BASED ON TESTING AND FIELD EXPERIENCE.
- B. VOC CONTENT OF FIELD-APPLIED INTERIOR PAINTS AND COATINGS: PROVIDE PRODUCTS THAT COMPLY WITH THE FOLLOWING LIMITS FOR VOC CONTENT, EXCLUSIVE OF COLORANTS ADDED TO A TINT BASE, WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24); THESE REQUIREMENTS DO NOT APPLY TO PAINTS AND COATINGS THAT ARE
- APPLIED IN A FABRICATION OR FINISHING SHOP: a. FLAT PAINTS, COATINGS, AND PRIMERS: VOC CONTENT OF NOT MORE THAN 50 G/L.
- b. NONFLAT PAINTS, COATINGS, AND PRIMERS: VOC CONTENT OF NOT MORE THAN 150 G/L. ANTI-CORROSIVE AND ANTI-RUST PAINTS APPLIED TO INTERIOR FERROUS METALS: VOC NOT MORE THAN 250 G/L.
- OTHER SEALERS: VOC NOT MORE THAN 200 G/L. SHELLACS, CLEAR: VOC NOT MORE THAN 730 G/L.
- SHELLACS, PIGMENTED: VOC NOT MORE THAN 550 G/L. C. METAL PRIMERS
- a. RUST-INHIBITIVE PRIMER (WATER BASED): MPI #107. S-W ALL SURFACE ENAMEL LATEX PRIMER, A41W210.
- VOC CONTENT LIMIT: 250 G/L. ENVIRONMENTAL PERFORMANCE STANDARD: GREEN SEAL STANDARD GC-03, ANTI-CORROSIVE PAINTS, SECOND EDITION, JANUARY 7, 1997
- D. LATEX PAINTS a. INSTITUTIONAL LOW-ODOR/VOC LATEX (SEMIGLOSS): MPI #147 (GLOSS LEVEL 5).
- VOC CONTENT LIMIT: 150 G/L. ENVIRONMENTAL PERFORMANCE STANDARD: GREEN SEAL STANDARD GS-11, PAINTS, FIRST EDITION, MAY 20, 1993
- 4. COLOR SCHEDULE A. PT: HM DOORS = EPOXY PAINT TO MATCH EXISTING DOOR FRAME COLOR

TITLE SHEET & **SPECIFICATIONS**

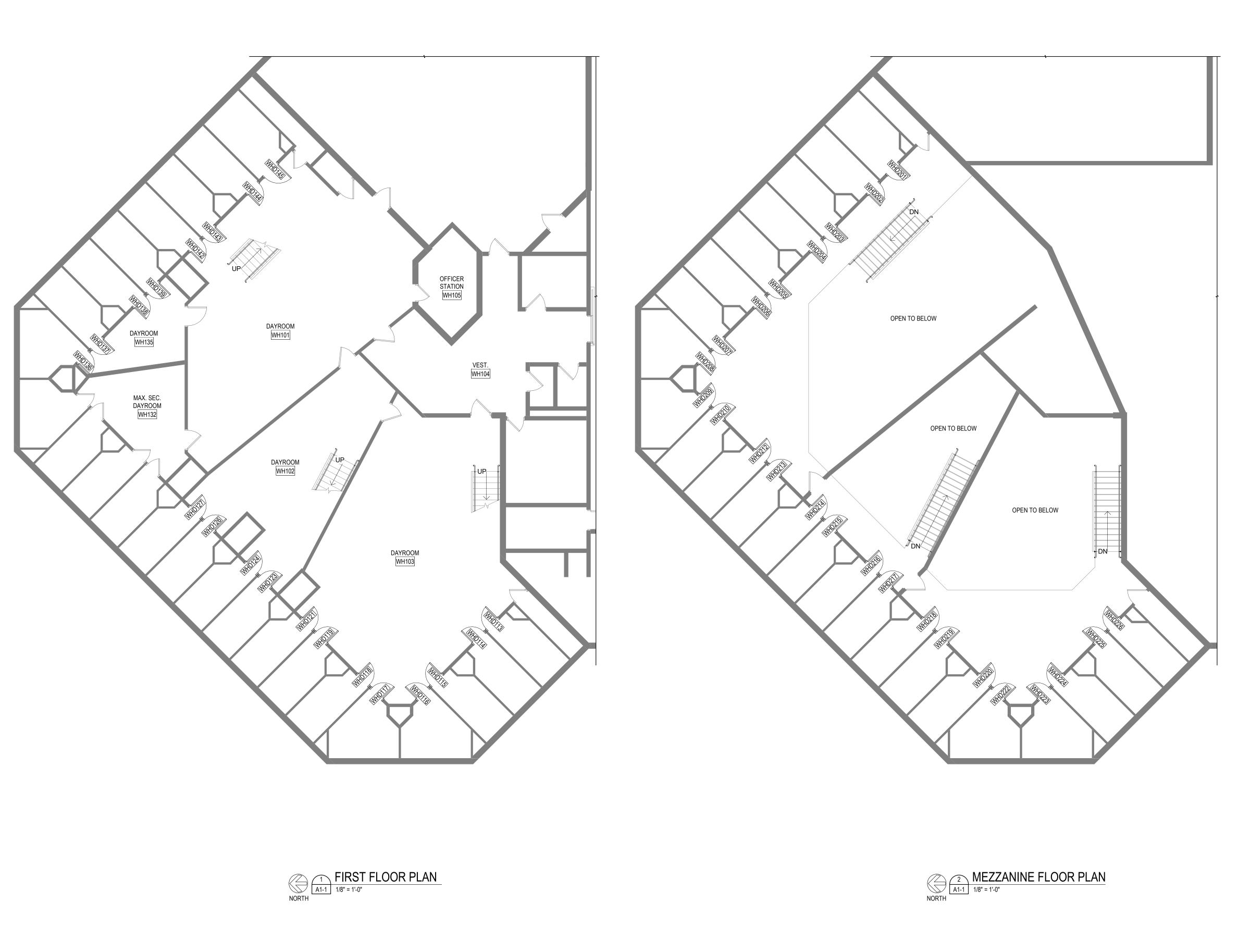
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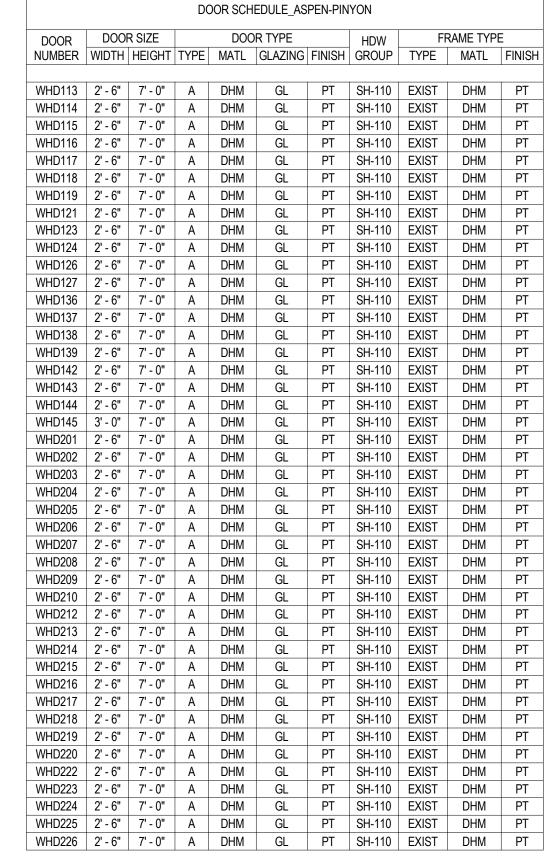
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DATE: 9/25/2019

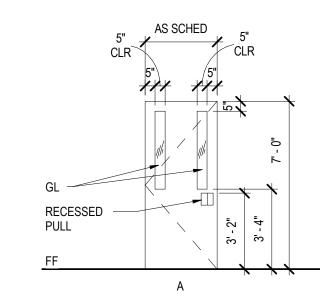
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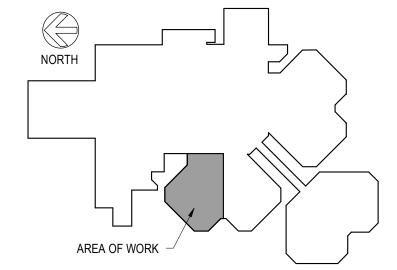
DOOR TYPES



DOOR LEGEND

EXISTING DOOR TO REMAIN

NEW REPLACEMENT DOOR



KEY PLAN



Architecture Interior Design Project Management

622 Rood Avenue Grand Junction, CO 81501 970-242-1058 office

BLYTHE GROUP + co.

MESA COUNTY DETENTION FACILITY DOOR REPLACEMENT

215 RICE STREET, GRAND JUNCTION CO

FLOOR PLANS & DOOR SCHEDULE

FOR CONSTRUCTION

EV. DESC. DAT

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