VICINITY MAP



TRUE NORTH

MESA COUNTY SHERIFF'S OFFICE

BOOKING AREA RENOVATION

215 RICE STREET, GRAND JUNCTION, CO 81501

BG+co. PROJECT # 23028

06/05/2023 SCHEMATIC DESIGN 07/12/2023 DESIGN DEVELOPMENT 01/15/2024 CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS

HORIZ HORIZONTAL

SECT SECTION

STL STEEL

STN STAIN

T.O. TOP OF

TEMP TEMPORARY

TV TELEVISION

TYP TYPICAL

STRUCT STRUCTURAL

T&G TONGUE & GROOVE

SQUARE FEET

STORE FRONT

SSM SOLID SURFACE MATERIAL

SIMILAR

SS STAINLESS STEEL

SPEC SPECIFICATION

HVAC HEATING VENTILATING & AIR

INTERNATIONAL BUILDING CODE VFY

CONDITIONING

ARCHITECTURAL / STRUCTURAL / MECHANICAL / PLUMBING / ELECTRICAL

PROJECT DESIGN TEAM

ARCHITECTURE / INTERIOR DESIGN:

Interior Design

Project Management

BLYTHE GROUP + co.

Lindauer · Dunn, Inc. 802 Rood Avenue Grand Junction, CO 81501 FAX: 970-243-2430

UNO UNLESS NOTED OTHERWISE

VINYL COMPOSITION TILE

VCT

STRUCTURAL ENGINEERING

www.lindauerdunn.com

MECHANICAL, PLUMBING, AND ELECTRICAL ENGINEERING

Bighorn Consulting 386 Indian Road Grand Junction, CO 8 Phone (970) 241-8709 Durango, CO 81301 Phone: (970) 422-7676

MATERIALS LEGEND

(PLAN & SECTION) GRANULAR FILL (SECTION)

STRUCTURAL FILL (SECTION)

(SECTION) CONCRETE (PLAN & SECTION)

BRICK VENEER CONCRETE MASONRY UNITS (CMU)

(PLAN & SECTION) PRECAST CONCRETE (SECTION)

MORTAR NET (SECTION) (SECTION)

WOOD BLOCKING (CONTINUOUS) WOOD BLOCKING (INTERMITTENT) (SECTION)

WOOD SHEATHING

WOOD (FINISH) (SECTION & ELEVATION) INSULATION (FIBROUS) (PLAN & SECTION)

INSULATION (RIGID) (PLAN & SECTION)

STUCCO (SECTION) STUCCO (ELEVATION)

> GYPSUM WALL BOARD (GWB) (REFLECTED CEILING PLAN)

NOTE: SOME MATERIALS SHOWN MAY NOT BE USED ON THIS PROJECT.

SYMBOLS LEGEND

ROOM TAG DOOR TAG ASSEMBLY TAG NEW COLUMN GRID LINE

EXISTING COLUMN GRIDLINE

/ VIEW NAME

ELEVATION OR DETAIL NUMBER

SHEET THAT DETAIL IS ON

A1-1 1/8" = 1'-0"

KEY NOTE WINDOW / FRAME TYPE

BUILDING SECTION INDICATOR

DRAWING REFERENCE

WALL SECTION INDICATOR

SIGN TAG ELEVATION INDICATOR DIMENSION LINES

NEW CONTOUR EXISTING CONTOUR - - - - ###**#'** - - - - - -HIDDEN LINE ______ OVERHEAD OBJECT ______ CENTER LINE _____

MATCH LINE LIMITS OF CONSTRUCTION - - - - - - -_____ DEMOLISHED ITEMS

ABBREVIATIONS

ABOVE FINISH FLOOR AIR HANDLING UNIT ALTERNATE ALT-X ALTERNATE NO. X ACOUSTIC MATERIAL AM-X ACOUSTIC MATERIAL TYPE X ARCH ARCHITECT / ARCHITECTURAL ATTEN ATTENUATION AVG AVERAGE B.O. BOTTOM OF BIT BITUMINOUS BLDG BUILDING BLKG BLOCKING CEM CEMENT / CEMENTITIOUS CONTROL JOINT

CMU CONCRETE MASONRY UNIT(S) CONC CONCRETE CONT CONTINUOUS CPT CARPET CT CERAMIC TILE CTR CENTER D DEEP / DEPTH DBL DOUBLE DEMO DEMOLISH / DEMOLITION

DEPT DEPARTMENT DF DRINKING FOUNTAIN DIA / Ø DIAMETER DIM(S) DIMENSION(S) DW DISHWASHER DWG DRAWING EJ EXPANSION JOINT EL ELEVATION

ELEC ELECTRICAL EQUIP EQUIPMENT EWC ELECTRIC WATER COOLER EXIST EXISTING EXT EXTERIOR F.O. FACE OF FAAB FLUID APPLIED AIR BARRIER FAAP FIRE ALARM ANNUNCIATOR PANEL REQD REQUIRED FACP FIRE ALARM CONTROL PANEL FBO FURNISHED BY OWNER FLOOR DRAIN FDN FOUNDATION FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER CABINET FF FINISHED FLOOR FFIN FACTORY FINISH FRP FIBERGLASS REINFORCED PLASTIC SFT FTG FOOTING

FURN FURNISHING / FURNITURE GALV GALVANIZED GL GLAZING GL-X GLAZING TYPE X GWB GYPSUM WALL BOARD HIGH / HEIGHT HC HANDICAPPED HDW HARDWARE HDWD HARDWOOD HM HOLLOW METAL

INSIDE DIAMETER VERIFY IN FIELD INCL INCLUDED VWC VINYL WALL COVERING INSUL INSULATION WIDE / WIDTH INT INTERIOR W/ WITH JOINT W/O WITHOUT LONG / LENGTH WD WOOD WOM WALK OFF MAT LAV LAVATORY LLH LONG LEG HORIZONTAL LLV LONG LEG VERTICAL MATL MATERIAL MAX MAXIMUM MECH MECHANICAL MFR MANUFACTURER MIN MINIMUM MISC MISCELLANEOUS MO MASONRY OPENING MTD MOUNTED MTL METAL NA NOT APPLICABLE NFPA NATIONAL FIRE PROTECTION ASSOCIATION NIC NOT IN CONTRACT NO. NUMBER NRC NOISE REDUCTION COEFFICIENT NTS NOT TO SCALE OC ON CENTER OD OUTSIDE DIAMETER OPNG OPENING OPP OPPOSITE PERF PERFORATED PLAM PLASTIC LAMINATE PLBG PLUMBING PLYWD PLYWOOD PNT PAINT PREFAB PREFABRICATED PREFIN PREFINISHED PT PORCELAIN TILE QT QUARRY TILE QTY QUANTITY R RADIUS RB RUBBER BASE RCP REFLECTED CEILING PLAN REF REFERENCE / REFER TO REFR REFRIGERATOR REINF REINFORCE (D) (ING) RES RESILIENT ROW RIGHT OF WAY RTU ROOF TOP UNIT SC SEALED CONCRETE SCHED SCHEDULE (D)

DRAWING INDEX GENERAL INFORMATION SHEETS G0-1 TITLE SHEET ARCHITECTURAL SHEETS AD1-1 | DEMOLITION FLOOR PLAN A1-1 FLOOR PLAN A4-1 INTERIOR DETAILS STRUCTURAL SHEETS S0-1 GENERAL NOTES S1-1 FIRST FLOOR PLAN MECHANICAL SHEETS M0-1 MECHANICAL COVER SHEET M1-1 MECHANICAL PLANS PLUMBING SHEETS P0-1 PLUMBING COVER SHEET P1-1 PLUMBING PLANS ELECTRICAL SHEETS E0-1 ELECTRICAL COVER SHEET ED2-1 POWER DEMOLITION PLANS E1-1 LIGHTING PLANS E1-3 LIGHTING - DETAILS E2-1 POWER PLANS

BUILDING CODE ANALYSIS

MINOR RENOVATION TO EXISTING JAIL BOOKING AREA -1. DEMOLISH SINGLE USER TOILET ROOM AND REPLACE WITH NEW HOLDING CELL WITH TOILET FIXTURE 2. CONVERT HOLDING CELL INTO PADDED CELL

CODE JURISDICTION: 2018 IBC, IEBC

ALTERATIONS: LEVEL 2

GROUP I-3, INSTITUTIONAL

CONSTRUCTION TYPICAL OF TYPE I-A FIRE RATED

AUTOMATIC SPRINKLER SYSTEM: EXISTING TO BE MODIFIED TO FIT NEW HOLDING CELLS

ACTUAL TOTAL BUILDING: 127560 GSF ALLOWED [IBC 506.1]

EXIT TRAVEL DISTANCE: FOR I-3 OCCUPANCY:

COMMON PATH OF EGRESS TRAVEL: 100 FT WITH SPRINKLER SYSTEM [IBC TABLE 1006.2.1] EXIT ACCESS TRAVEL DISTANCE: 200 FT WITH SPRINKLER SYSTEM [IBC TABLE 1017.2]

Interior Design **Project Management 622 Rood Avenue Grand Junction, CO 81501** 970-242-1058 office

BLYTHE GROUP + co.

MESA COUNTY SHERIFF'S OFFICE - BOOKING AREA RENOVATION

215 RICE STREET **GRAND JUNCTION, CO**

TITLE SHEET

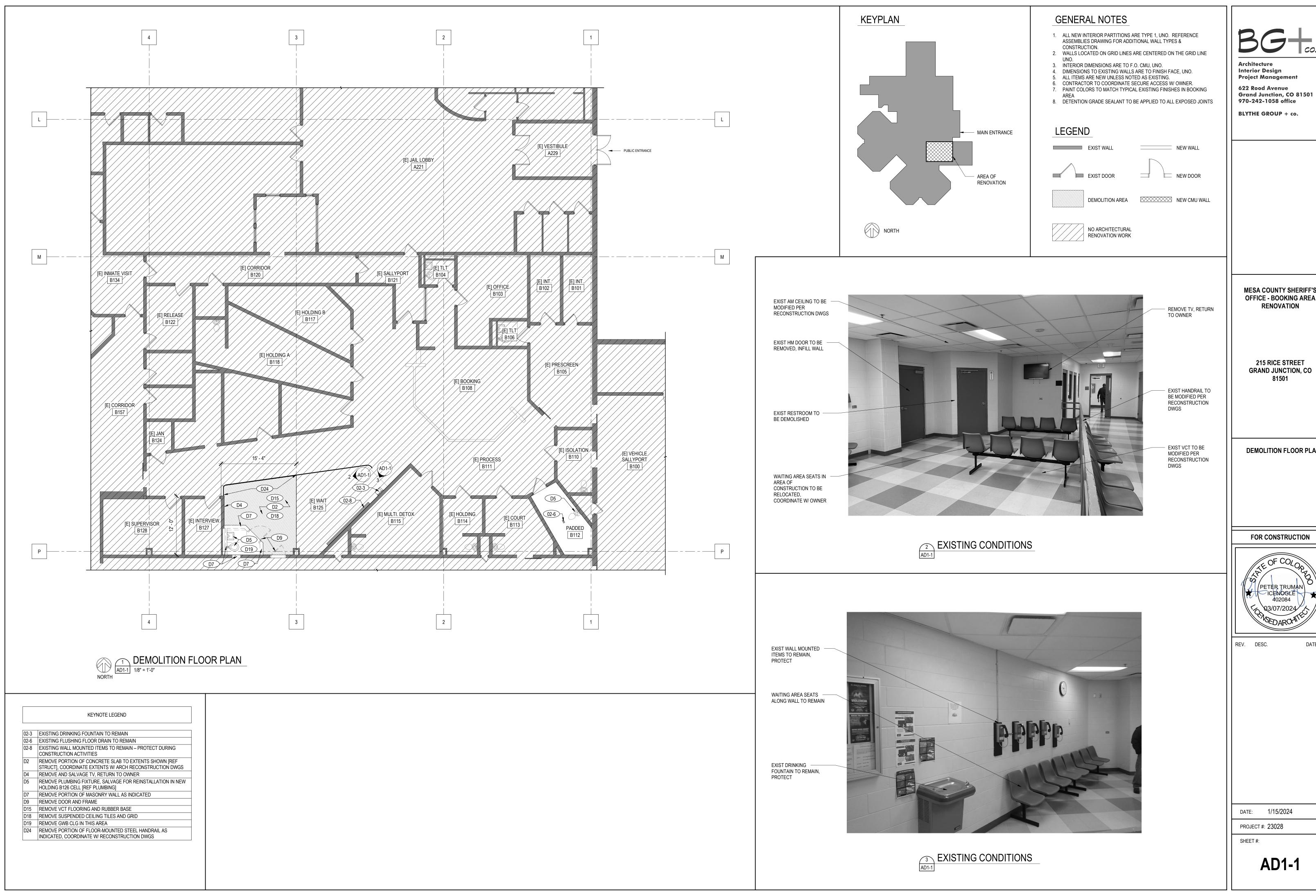
FOR CONSTRUCTION LE OF COLOD ICENOGLÉ 402084 03/07/2024 SEDARCHIT

REV. DESC.

DATE: 1/15/2024

PROJECT #: 23028

G0-1



Architecture Interior Design Project Management **622 Rood Avenue**

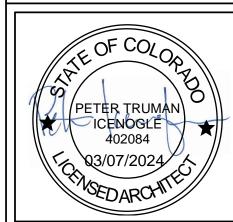
BLYTHE GROUP + co.

MESA COUNTY SHERIFF'S OFFICE - BOOKING AREA RENOVATION

215 RICE STREET **GRAND JUNCTION, CO** 81501

DEMOLITION FLOOR PLAN

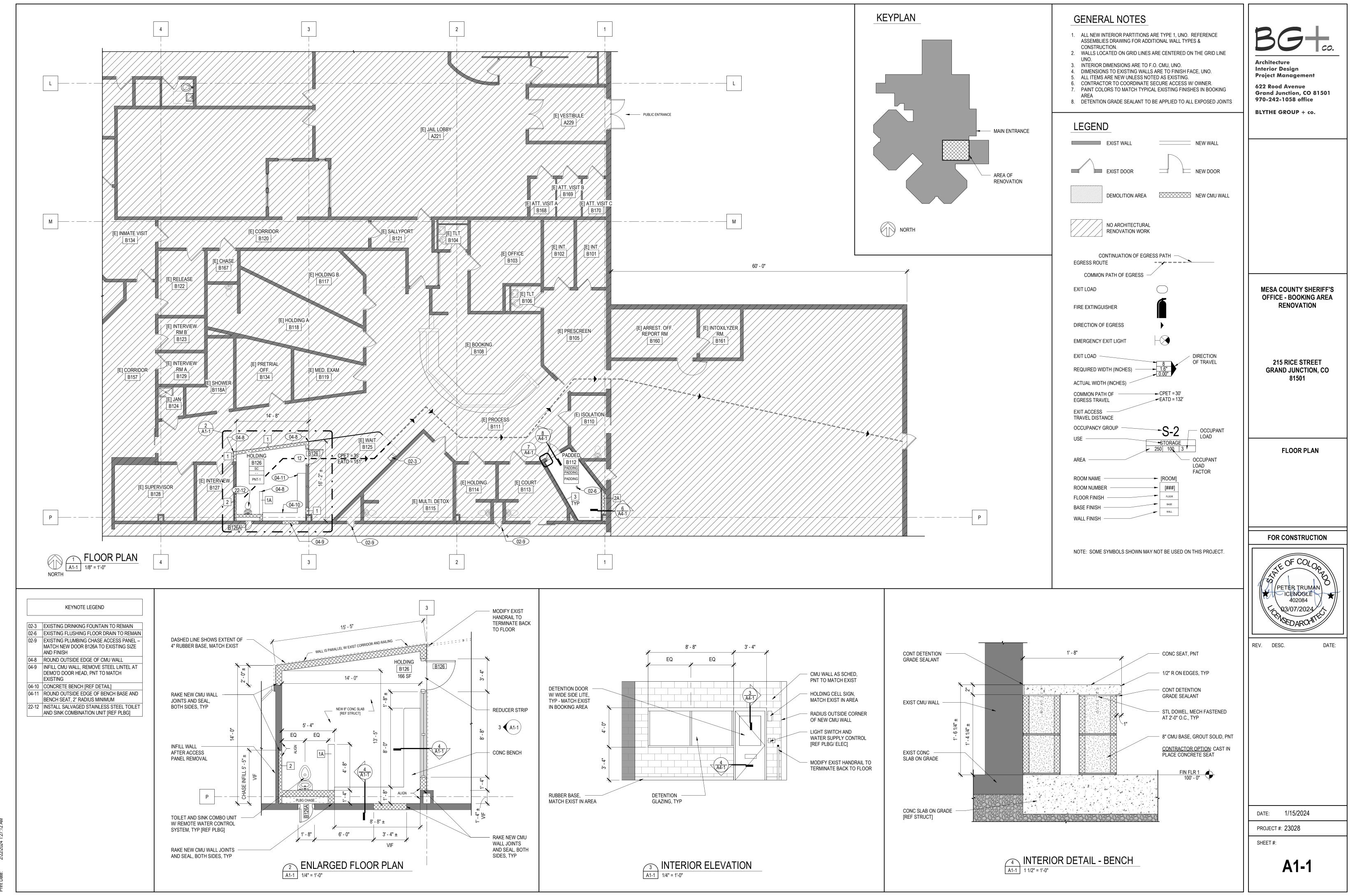
FOR CONSTRUCTION



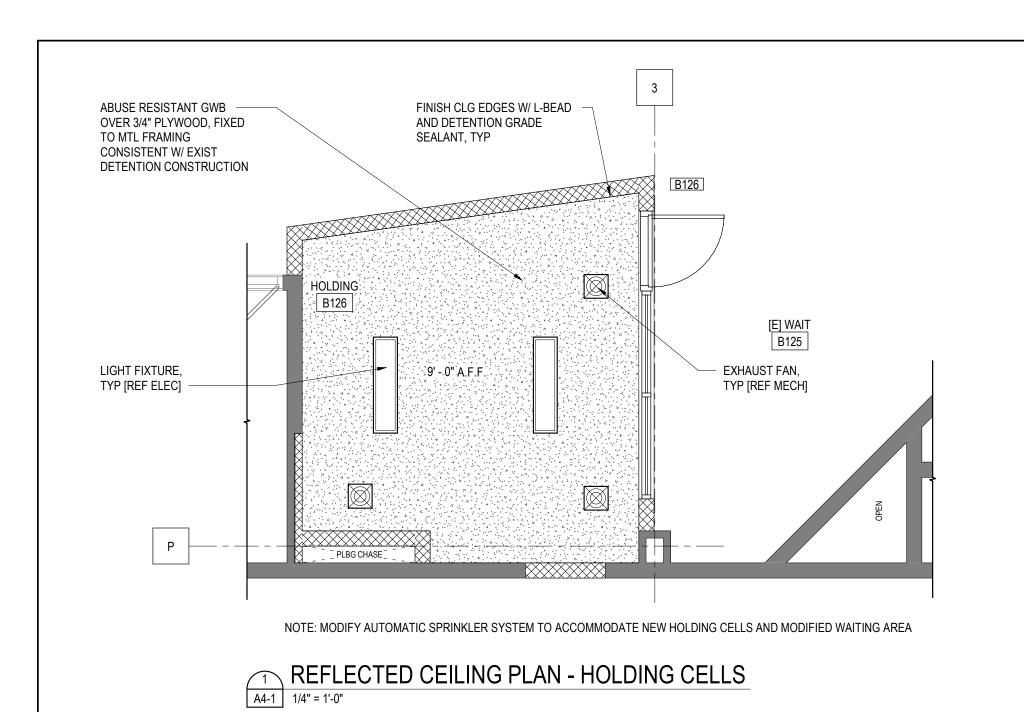
REV. DESC.

DATE: 1/15/2024

AD1-1



Project Team: Print Date: 2/22/2024 1:27:12 AM



B112 PROVIDE RECESSED ROUGH-IN FOR FBO SECURITY CAMERA EXIST GWB CLG AND LIGHT -FIXTURES TO REFLECTED CEILING PLAN - PADDED CELLS

1/4" = 1'-0"

UNDERSIDE OF EXIST CLG UNDERSIDE OF **ROOF DECK ROOF DECK** — 1" SAFETY PADDING 2A ONLY: 1" SAFETY PADDING OVER 7/16" OVER OSB, FULL HEIGHT OSB, FULL HEIGHT - GROUT SOLID **GROUT SOLID** 7/16" ORIENTED STRAND BOARD EXIST CMU WALL CMU — 8" CMU BASE AS SCHED 2 4" CMU 1A 4'-0" HIGH WALL 2A 8" CMU W/ SAFETY PADDING

1 1/2" TYP @ VERT SURFACES

SECTION DETAIL - PADDED CELL WALL AND FLOOR

REF WALL TYPES 1

EXIST DETENTION

EXIST DETENTION HM

DOOR, SHOWN CLOSED

HM FRAME

EXIST GWB CLG

1/4" MAX GAP, TYP

FILL ALL HOLES AT FASTENERS, TYP

SAFETY PADDING AT WALL AND FLR

7/16" OSB, TYP AT WALL AND FLR

BOND ALL CORNERS, TYP

EXIST CONC FLR, FILL IN LOW

SPOTS/ LEVEL AS REQD TO

MAINTAIN SLOPE

VIF

A4-1 1 1/2" = 1'-0"

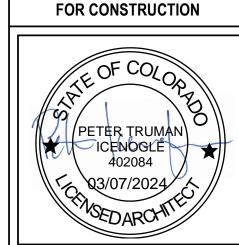
BOND SEAMS, 1/8" MIN AND

Interior Design **Project Management 622 Rood Avenue Grand Junction, CO 81501** 970-242-1058 office BLYTHE GROUP + co.

MESA COUNTY SHERIFF'S OFFICE - BOOKING AREA RENOVATION

> 215 RICE STREET **GRAND JUNCTION, CO** 81501

> > **INTERIOR DETAILS**



REV. DESC.

TAPERED TRANSITION MOLDING AT BOTTOM OF DOOR LEAF TAPERED TRANSITION AT THRESHOLD, SEAL EDGES W/ EPOXY EXIST CONC FLR, FILL IN LOW SPOTS/ LEVEL AS REQD TO MAINTAIN SLOPE WATERPROOF MEMBRANE, SEAL TO THRESHOLD TRANSITION

__1 1/2" TYP @ VERT SURFACES

SAFETY PADDING

FILL ALL HOLES AT FASTENERS, TYP

BOND SEAMS, 1/8" MIN GAP, TYP

RADIUS OUTSIDE CORNER, TYP

EDGE MOLDING, TOP AND

SIDES OF DOOR

CLG HEIGHT, VIF EL 108' - 0"

FIN FLR 1 100' - 0"

2A OR 3 REF WALL TYPES

SECTION DETAIL - PADDED CELL DOOR A4-1 1 1/2" = 1'-0"

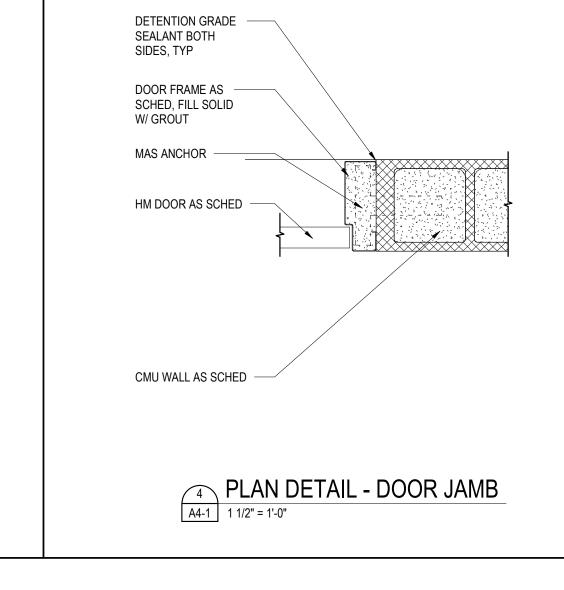
8" MIN TAPER @ THRESHOLD

DETENTION GRADE ACCESS DOOR ANCHORS PER MFR - ANGLED ACCESS DOOR FRAME EXIST CMU WALL

5 ACCESS DOOR SILL/ HEAD/ JAMB

SEE WALL TYPE CMU WALL AS SCHED CMU BOND BEAM REINF [REF STRUCT] DETENTION **GRADE SEALANT** BOTH SIDES, TYP - DOOR FRAME AS SCHED, FILL SOLID W/ GROUT



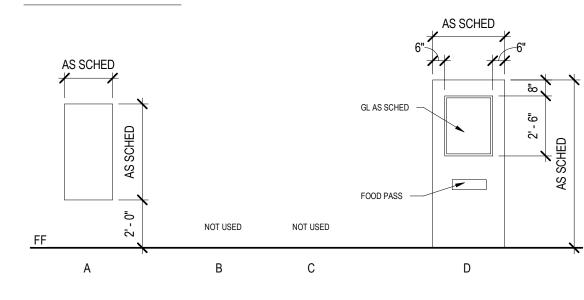


DOOR SCHEDULE DOOR SIZE DOOR TYPE FRAME TYPE FINISH JAMB DETAIL | HEAD DETAIL | THRESHOLD | COMMENTS GROUP DOOR NUMBER WIDTH HEIGHT TYPE MATL GLAZING RATING REF ELEVATION PER MFR PNT-1 5/A4-1 5/A4-1

DOOR SCHEDULE GENERAL NOTES

- 1. FRAME ELEVATIONS INDICATED ARE BASED UPON NOMINAL DIMENSIONS. FIELD VERIFY DIMENSIONS OF ACTUAL ROUGH OPENINGS.
- 2. ALL INTERIOR EXPOSED STEEL LINTELS ARE TO BE PAINTED TO MATCH ADJACENT WALL FINISH. 3. ALL INTERIOR HOLLOW METAL DOORS & FRAMES ARE TO BE PAINTED TO MATCH TYPICAL FINISH IN THE AREA OF RENOVATION (PAINT
- ON ALL SIDES). REF ASSUMED PAINT SCHEDULE IN PROJECT MANUAL SELECTIONS BASED ON EXISTING DRAWINGS PROVIDED.
- 4. ALL DOOR FRAMES AND TYPES ARE TO BE DETENTION GRADE. 5. PROVIDE KEYING TO MATCH EXISTING DETENTION DOORS.

DOOR TYPES



DOOR SCHEDULE COMMENTS

- 1. PROVIDE ELECTRONIC POSITION MONITORING 2. ELECTRONIC DOOR ACCESS DEVICE TO BE FULLY INTEGRATED INTO
- FACILITY ACCESS CONTROL SYSTEM FOR CONTROL FROM OFFICER STATION IN B108
- 3. REMOTE UNLOCKING FROM BOOKING STATION
- 4. PLUMBING CHASE ACCESS DOOR

DOOR HARDWARE SETS

1. COORDINATE CYLINDER AND CORE TYPE W/ OWNER

2. ALL HARDWARE TO BE DETENTION GRADE 3. INTENT IS TO MATCH EXIST HARDWARE PRESENT IN BOOKING AREA

HARDWARE GROUP NO. 1 FOR USE ON DOOR #(S):

B126, HOLDING CELL DOOR

Provide ea [qty/unit]	ach single door with the [part]	following: [part#]	[finish code]	[mfr]
1 EA 3 EA 1 EA 1 EA 3 EA	LOCK HINGE DPS RAISED PULL SILENCERS	10120ER-1 204FMSS 200MRS-DPS 212C GJ64	GALV US32D AL US26D	SOUTHERN FOLGER SOUTHERN FOLGER LCN SOUTHERN FOLGER GLYNN JOHNSON

GALV

SOUTHERN FOLGER

262

HARDWARE GROUP NO. 2 FOR USE ON DOOR #(S):

FOOD PASS

R126A ACCESS DOOD

B126A	A, ACCESS DOOR			
Provide ea [qty/unit]	ach single door with the [part]	following: [part#]	[finish code]	[mfr]
1 EA 3 EA 3 EA	LOCK HINGE SILENCERS	1010AM-1 204FMSS GJ64	US32D US32D	SOUTHERN FOLGER SOUTHERN FOLGER GLYNN JOHNSON

—1 1/2" TYP @ VERT SURFACES EXIST DETENTION HM DOOR, SHOWN OPEN PROVIDE TAPERED TRANSITION EXIST DETENTION MOLDING AROUND ENTIRE HM FRAME PERIMETER OF ALL OPNGS ON DOOR LEAF [I.E., DOOR LITE AND/ OR FOOD PASS] PER MFR SAFETY PADDING RECOMMENDATIONS 7/16" OSB EDGE MOLDING, TOP AND SIDES OF DOOR - EPOXY TRANSITION SEAL RADIUS OUTSIDE CORNER, TYP REF WALL TYPES | 1 |-BOND ALL SEAMS, TYP BOND ALL CORNERS, TYP FILL ALL HOLES AT FASTENERS, TYP

EXIST FLUSHING

TAPERED TRANSITION

PERIMETER OF DRAIN

MOLDING, ENTIRE

WATERPROOF

UP WALLS 4" MIN

MEMBRANE, WRAP

FLOOR DRAIN

WALL TYPES

PLAN DETAIL - PADDED CELL DOOR A4-1 1 1/2" = 1'-0"

SHEET #:

DATE: 1/15/2024

A4-1

PROJECT #: 23028

SCHEDULE OF SPECIAL INSPECTIONS-STRUCTURAL

NOTES/DEFINITIONS:

- 1. SPECIAL INSPECTION:
- INSPECTION OF CONSTRUCTION REQUIRING THE EXPERTISE OF AN APPROVED SPECIAL INSPECTOR IN ORDER TO ENSURE COMPLIANCE WITH THIS CODE AND THE APPROVED CONSTRUCTION DOCUMENTS. 2. **CONTINUOUS SPECIAL INSPECTION:**
- SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.
- 3. **PERIODIC SPECIAL INSPECTION:** SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.
- 4. **SPECIAL INSPECTOR:** A QUALIFIED PERSON EMPLOYED OR RETAINED BY AN APPROVED ANGENCY AND APPROVED BY THE BUILDING OFFICIAL AS HAVING THE COMPETENCE NECESSARY TO INSPECT A PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

MI	MINIMUM INSPECTION				
VERTELCATION AND INCRECTION	FREQU	ENCY	REFERENCE	IBC	
VERIFICATION AND INSPECTION	CONT.	PERIODIC	FOR CRITERIA	REFERENCE	
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		Х		1705.6	
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		Х		1705.6	
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		Х		1705.6	
4. VERIFY USE OF PROPER MATERIAL, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	Х			1705.6	
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PROPERLY PREPARED.		Х		1705.6	

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE **CONSTRUCTION**

М	INIMUM I	NSPECTIO	N	
VERIFICATION AND INSPECTION	FREQU	JENCY PERIODIC	REFERENCE FOR CRITERIA	IBC REFERENCE
1. INSPECT REINFORCEMENT, AND VERIFY PLACEMENT		Х	ACI 318 CH. 20, 25.2, 25.3, 26.5.1-26.5.3	1908.4
2. REINFORCING BAR WELDING IF USED DUE TO FIELD FIXES: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706; B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; C. INSPECT ALL OTHER WELDS.		x x	AWS D1.4 ACI 31/: 26.5.4	
3. INSPECT ANCHORS CAST IN CONCRETE		Х	ACI 318: 17.8.2	
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4A.	Х	X	ACI 318: 17.8.2.4 ACI 318: 17.8.2	
5. VERIFY USE OF REQUIRED DESIGN MIX.		Х	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	Х		ASTM C 172 ASTM C 31 ACI 318: 26.4.5, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	Х		ACI 318: 26.4.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		Х	ACI 318: 26.4.7-26.4.9	1908.9
9. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		Х	ACI 318: 26.10.1(b)	

REQUIRED SPECIAL INSPECTIONS AND TESTS OF MASONRY CONSTRUCTION

	FRFC	UENCY	REFERENCE	IBC	
VERIFICATION AND INSPECTION	CONT.	PERIODIC	FOR CRITERIA	REFERENCI	
VERIFY COMPLIANCE WITH THE APPOVED SUBMITTALS.		Х	TMS 602-16 Art. 1.5	1705.4	
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THE COMPLIANCE OF THE FOLLOWING: A. PROPORTIONS OF ON-SITE PREPARED MORTAR; B. CONSTRUCTION OF MORTAR JOINTS; C. LOCATIONS FOR REINFORCEMENT, CONNECTORS, AND ANCHORAGES.	 	x x x	TMS 602-16 Art. 2.1, 2.6A Art. 3.3B Art. 3.4, 3.6A	1705.4	
3. PRIOR TO GROUTING, VERIFY THE COMPLIANCE OF THE FOLLOWING: A. GROUT SPACE; B. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS	 	X X	TMS 602-16 Art. 3.2D, 3.2F Art. 2.4, 3.4	1705.4	
AND ANCHORAGES; C. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHORAGES;		Х	Art. 3.2E, 3.4, 3.6A	1705.4	
D. PROPORTIONS OF SITE PREPARED GROUT.	Art. 3.3B		Art. 2.6B, 2.4 G.1.b Art. 3.3B		
E. CONSTRUCTION OF MORTAR JOINTS. 4. VERIFY DURING CONSTRUCTION: A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS; B. TYPE, SIZE, AND LOCATIONS OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO		X X	TMS 602-16 Art. 3.3F TMS402-16 Sec. 1.21. (e), 6.1.4.3, 6.2.1		
STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION; C. WELDING OF REINFORCEMENT; D. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 DEGREES F) OR HOT WEATHER (TEMPERATURE ABOVE 90 DEGREES F);	X 	 X	TMS402-16 Sec. 8.1.6.7.2, 9.3.3.4 (c), 11.3.3.4 (b) TMS 602-16 Art. 1.8C, 1.8D	1705.4	
E. PLACEMENT OF GROUT IS IN COMPLIANCE.	Х		TMS 602-16 Art. 3.5, 3.6C		
5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS.		Х	TMS 602-16 Art. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3m 1.4 B.4	1705.4	

REQUIRED VERIFICATION AND INSPECTION OF POST-INSTALLED CONCRETE AND MACONDY ANCHORS

MII	NIMUM II	NSPECTION			
VERIFICATION AND INSPECTION	FREÇ	UENCY	REFERENCE	IBC REFERENCE	
VERIFICATION AND INSPECTION	CONT.	PERIODIC	FOR CRITERIA		
ADHESIVE ANCHOR SYSTEMS A. PREPARATION OF PRE-DRILLED HOLES AND INSTALLATION OF ANCHORS.		Х	MANUFACTURER'S REQUIREMENTS	1704.13(3)	
INSPECTION OF WELDING: A. PREPARATION OF PRE-DRILLED HOLES AND INSTALLATION OF ACHORS.		х	MANUFACTURER'S REQUIREMENTS	1704.13(3)	

C.M.U. REINFORCING SCHEDULE

- 1. PROVIDE #5 @ 8 VERTICAL REINFORCING AT 8" C.M.U. GROUT ALL CELLS SOLID. VERTICAL REINFORCEMENT SHALL EXTEND THROUGH BOND BEAMS TO 2" CLR. BELOW TOP OF C.M.U. 2. PROVIDE HORIZONTAL JOINT REINFORCEMENT @ 16" O.C. IN ALL C.M.U. WALLS CONSISTING OF STANDARD LADDER TYPE REINFORCEMENT WITH MINIMUM #9 SIDE RODS AND #9 CROSS RODS AT EACH LADDER.
- a. PROVIDE HORIZONTAL WALL REINFORCEMENT IN 8" C.M.U. WALLS CONSISTING OF A MINIMUM OF (2) CONTINUOUS BOND BEAMS WITH (2) #5 CONTINUOUS IN EACH BOND BEAM, ONE BOND BEAM AT THE TOPS OF WALLS AND ONE ABOVE DOOR OPENINGS.
- b. DO NOT EMBED CONDUITS, PIPES, OR ANY ITEMS OTHER THAN REINFORCEMENT IN C.M.U.
- PROVIDE (2) #5 CONT. VERTICAL EACH SIDE OF ALL OPENINGS AND IN CORNERS.
- EXTEND 2'-0" MINIMUM EACH SIDE OF OPENING. GROUT SOLID.
- 4. LAP ALL VERTICAL REINFORCING AS FOLLOWS:
- #4 MINIMUM OF 2'-0"

#5 - MINIMUM OF 2'-4"

GENERAL NOTES GOVERNING CODES USED FOR DESIGN:

2018 INTERNATIONAL BUILDING CODE ASCE/SEI 7-16

LIVE LOADS USED IN DESIGN: A. MAIN FLOOR--- 100 PSF

2,000 lb. CONCENTRATED

3. CONCRETE: A. <u>CONCRETE MIX TABLE</u> (NORMAL WEIGHT CONCRETE):

	_ `					,			
Intended Use	28 DAY STRENGTH F'C (KSI)	MAX W.C. (INCLUDING FLY ASH)	MAX AGGR. (IN) (1)	SLUMP LIMITS (IN) $(+/-1")$	TOTAL AIR LIMITS (%) (2)	CEMENT TYPE	CONCRETE TYPE NORMAL WEIGHT-NW LIGHT WEIGHT-LW	REQ'D ADMIXTURES (3)	OTHER REQUIREMENTS (4)
INTERIOR SLABS ON GRADE	3.5	0.63	1 1/2	4	N	II	NW		SOG

(1) FOR THE MAXIMUM COARSE AGGREGATE SIZE INDICATED, USE THE FOLLOWING AGGREGATE SIZE NUMBERS PER ASTM C33:

3/4" - #67 AGGREGATE 1" - #57 AGGREGATE

(2) TOTAL AIR CONTENT LIMITS INCLUDE BOTH ENTRAINED AND ENTRAPPED AIR +/- 1 1/2%. 'N' IN COLUMN INDICATES ADDITION OF ENTRAINED AIR IS NOT

(3) ABBREVIATIONS FOR REQUIRED ADMIXTURES AS FOLLOWS: AE = AIR-ENTRAINING ADMIXTURE. DO NOT USE ENTRAINED AIR FOR STEEL TROWELED FINISHED FLOORS.

WRA = WATER REDUCING ADMIXTURE.

(4) ABBREVIATIONS FOR OTHER REQUIREMENTS AS FOLLOWS: FAR = 20% CLASS F FLY ASH REQUIRED.

SOG = CONTRACTOR TO VERIFY ALKALINITY OF CONCRETE SURFACE, SLAB VAPOR TRANSMISSION, AND SLAB FLATNESS/LEVELNESS ARE COMPATIBLE WITH FLOORING SYSTEM AND ADHESIVES PRIOR TO INSTALLING FLOORING. AMOUNT OF CEMENTITIOUS MATERIALS LISTED SHALL BE PROVIDED, DO NOT USE LESS AND DO NOT SUPPLY OVER 5% MORE.

(5) FOR CONCRETE PLACED BY PUMPING, PROVIDE CONCRETE MIX FLOWABILITY TO FACILITY PUMPING.

B. ALL REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60, EXCEPT COLUMN TIES, BEAM STIRRUPS, AND DOWELS TO SLAB ON GRADE WHICH MAY BE GRADE 40.

C. NO SPLICES OF REINFORCEMENT SHALL BE MADE EXCEPT AS DETAIL OR AUTHORIZED BY THE STRUCTURAL ENGINEER. LAP SPLICES, WHERE PERMITTED, SHALL BE A MINIMUM OF 40 BAR DIAMETERS UNLESS OTHERWISE SHOWN OR NOTED. MAKE ALL BARS CONTINUOUS AROUND CORNERS.

D. STAGGER SPLICES A MINIMUM OF 4'-0" FOR TOP AND BOTTOM CONTINUOUS BARS IN

FOUNDATIONS, UNLESS OTHERWISE SHOWN OR NOTED. E. DETAIL BARS IN ACCORDANCE WITH A.C.I. DETAILING MANUAL AND A.C.I. BUILDING CODE

REQUIREMENTS FOR REINFORCED CONCRETE, LATEST EDITIONS. F. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING (INCLUDING W.W.F.) AT POSITIONS SHOWN ON THE DRAWINGS. DO NOT ATTEMPT TO POSITION ANY REINFORCEMENT

BY LIFTING DURING CONCRETE PLACEMENT. G. REINFORCEMENT PROTECTION SHALL BE AS FOLLOWS: (1) CONCRETE POURED AGAINST EARTH---(2) FORMED CONCRETE EXPOSED TO EARTH OR WEATHER----(3) FORMED STAIRS OR WALLS NOT EXPOSED TO WEATHER----

H. SLABS SHALL NOT HAVE JOINTS IN A HORIZONTAL PLANE.

SCHEDULE ON THIS SHEET.

CONCRETE MASONRY FOR STRUCTURAL WALLS: A. ALL REINFORCING IN MASONRY WALLS SHALL CONFORM TO ASTM A615, GRADE 60 AND SHALL BE FULLY ENCLOSED WITH GROUT. USE PEA GRAVEL GROUT WITH MIN. fc = 3,000 PSI.

B. CONCRETE MASONRY SHALL CONSIST OF LIGHTWEIGHT CONCRETE BLOCK WITH A

COMPRESSIVE STRENGTH OF 2,000 PSI. C. CONCRETE MASONRY ASSEMBLY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH fm' = 2,000 PSI. D. FILL ALL VOIDS AND BLOCK CELLS SOLID WITH MORTAR FOR A DISTANCE OF 24" BENEATH AND 12" EACH SIDE OF ALL BEAM REACTIONS OR OTHER CONCENTRATED

LOADS, UNLESS OTHERWISE SHOWN OR NOTED. E. STRUCTURAL MASONRY IS TO BE LAID IN TYPE "S" MORTAR IN ACCORDANCE WITH SECTION 2103 OF THE INTERNATIONAL BUILDING CODE. TYPE "N" MASONRY CEMENT MORTAR IS NOT

Sheet List

GENERAL NOTES

FIRST FLOOR PLAN

Sheet Name

ACCEPTABLE FOR C.M.U. WALLS. F. MASONRY WALLS MUST BE ADEQUATELY BRACED DURING CONSTRUCTION TO WITHSTAND WIND AND SEISMIC LOADS. BRACING MUST REMAIN IN PLACE UNTIL ROOF

(AND FLOOR) DIAPHRAGMS ARE FULLY CAPABLE OF PROVIDING LATERAL SUPPORT.

A. THIRD-PARTY SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE

ALL DIMENSIONS ON STRUCTURAL DRAWINGS TO BE CHECKED AGAINST ARCHITECTURAL AND AGAINST EXISTING CONDITIONS. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION.

Architecture Interior Design

Project Management 622 Rood Avenue

Grand Junction, CO 81501

BLYTHE GROUP + co.

970-242-1058 office

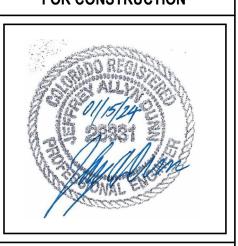
MESA COUNTY SHERIFF'S OFFICE - BOOKING AREA

RENOVATION

215 RICE STREET **GRAND JUNCTION, CO** 81501

GENERAL NOTES

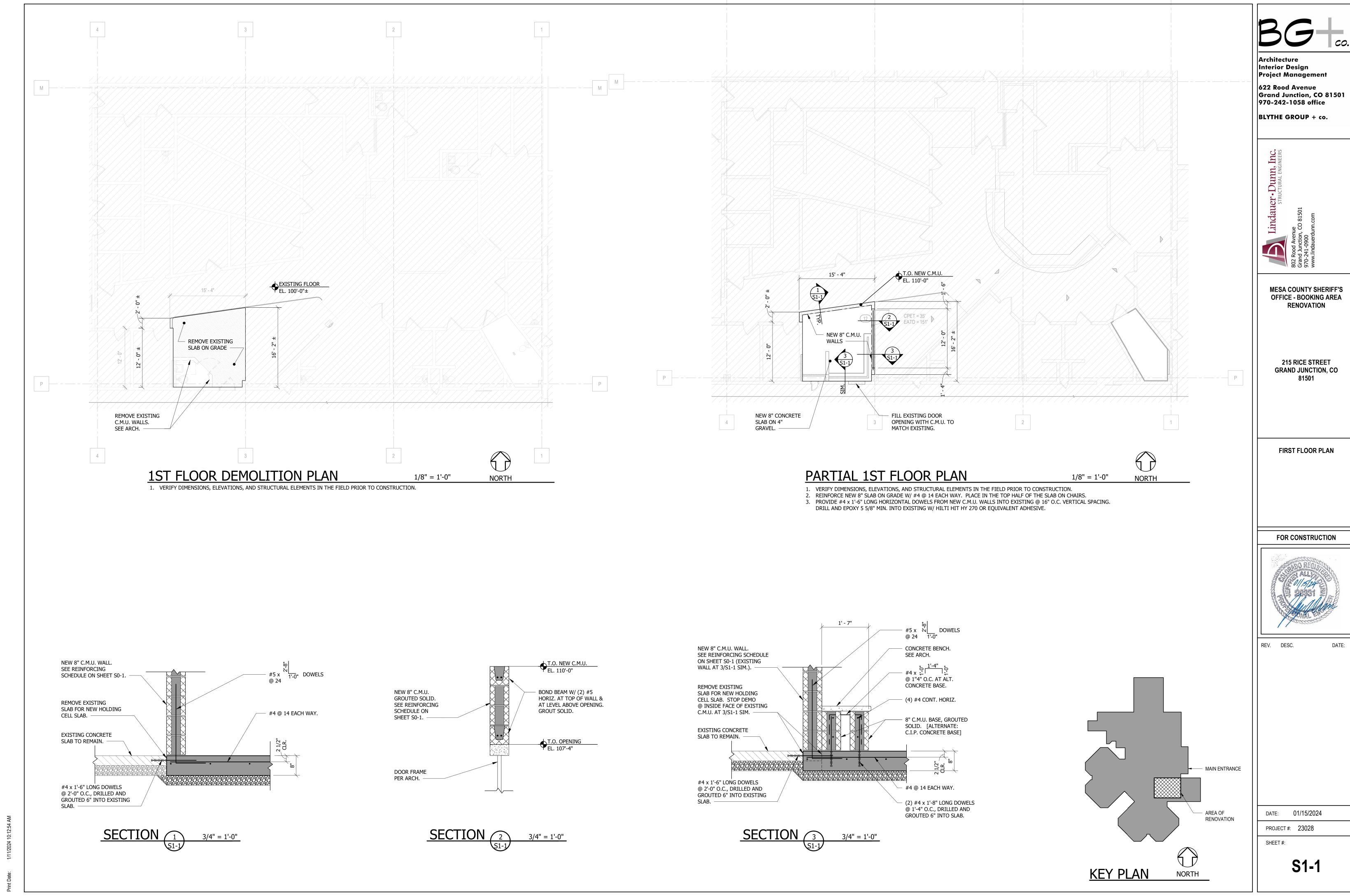
FOR CONSTRUCTION

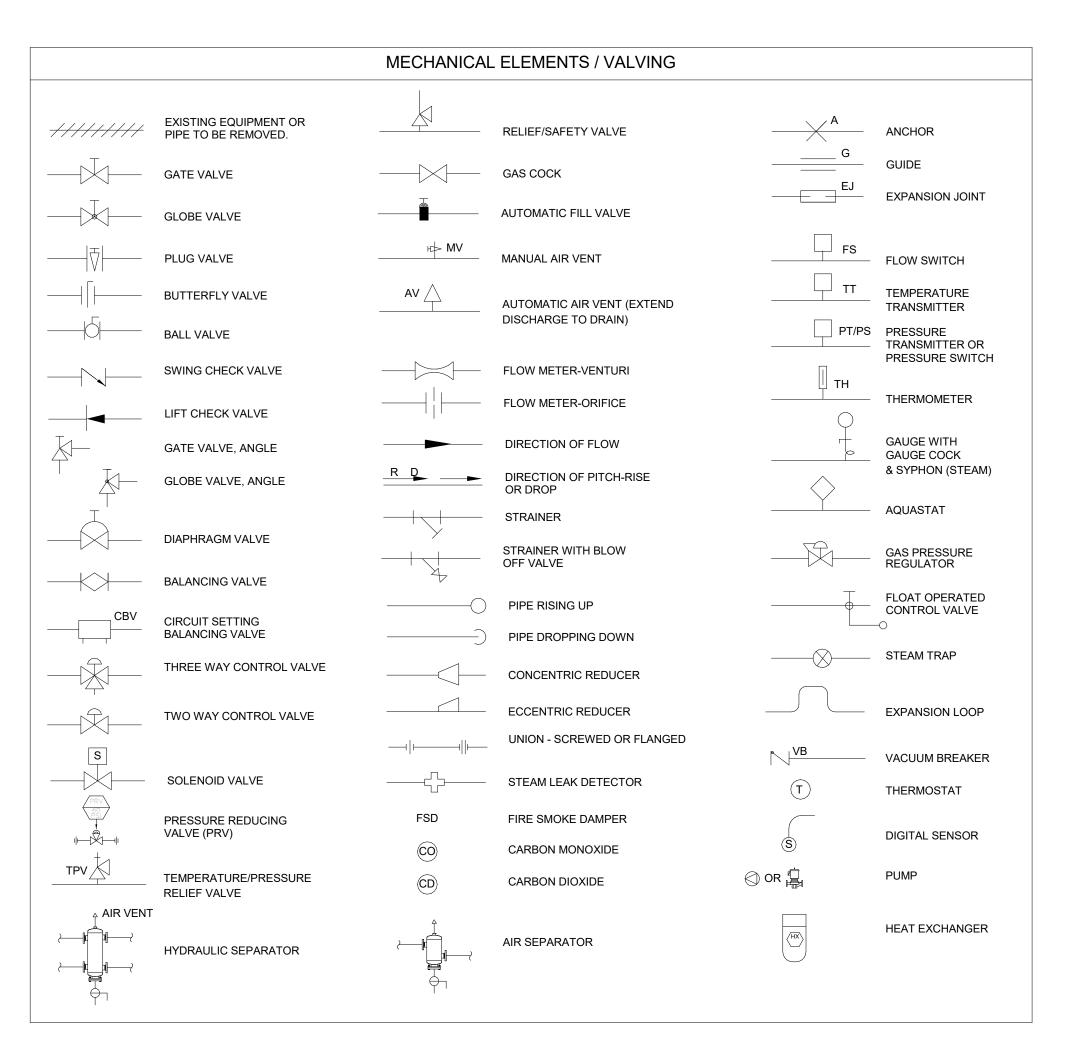


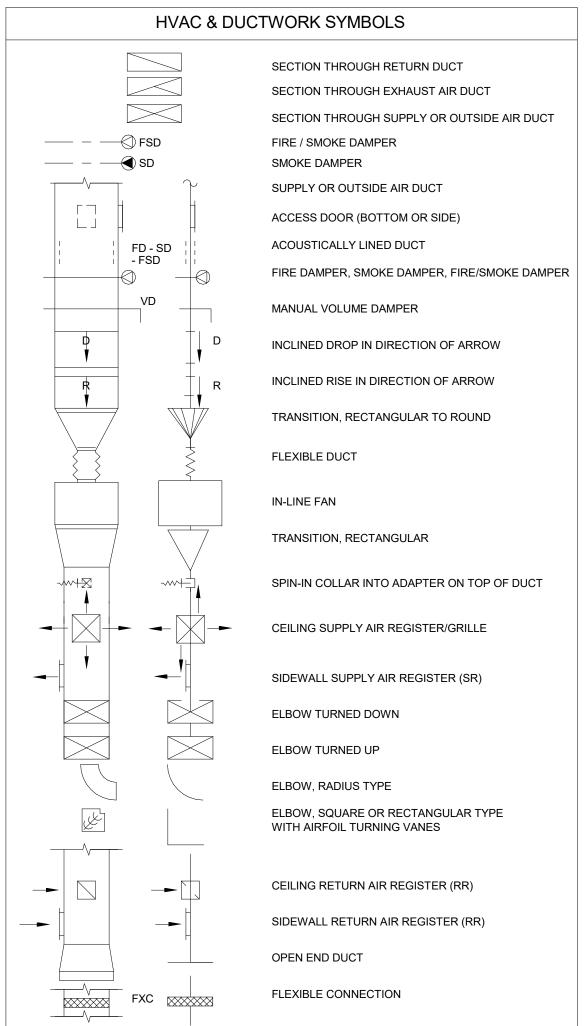
DATE: 01/15/2024

PROJECT #: 23028

S0-1







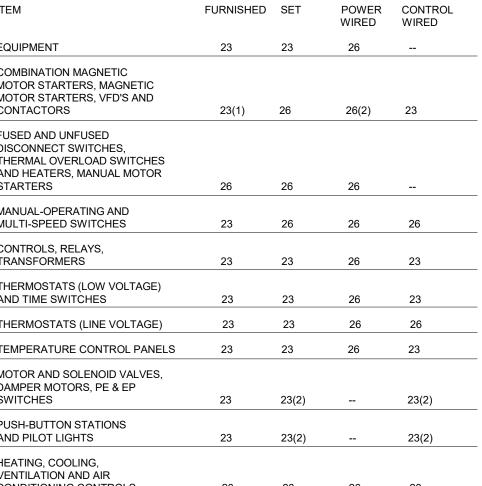
L	INE DESIGNATION SYMBOLS
CHWR —	— CHILLED WATER RETURN
CHWS	— CHILLED WATER SUPPLY
CA	COMPRESSED AIR
CR	CONDENSER WATER RETURN
cs	CONDENSER WATER SUPPLY
D	— DRAIN
——————————————————————————————————————	HEAT PUMP RETURN
HPS	HEAT PUMP SUPPLY
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
G	— NATURAL GAS
RH	REFRIGERANT HIGH PRESSURE VAPOR
R	REFRIGERANT LIQUID AND VAPOR LINE
RS	REFRIGERANT SUCTION / VAPOR
SMR	— SNOWMELT RETURN
SMS-	— SNOWMELT SUPPLY
v	- VENT PIPING

RESPONSIBLE DIVISION:

UNLESS OTHERWISE INDICATED ALL HEATING, VENTILATING, AIR CONDITIONING, PLUMBING, AND OTHER MECHANICAL EQUIPMENT, MOTORS, AND CONTROLS SHALL BE FURNISHED, SET IN PLACE AND WIRED AS FOLLOWS:

THE ENGLAND WINED AND TOLLOWS.				
ITEM	FURNISHED	SET	POWER WIRED	CONTROL WIRED
EQUIPMENT	23	23	26	
COMBINATION MAGNETIC MOTOR STARTERS, MAGNETIC MOTOR STARTERS, VFD'S AND CONTACTORS	23(1)	26	26(2)	23
FUSED AND UNFUSED DISCONNECT SWITCHES, THERMAL OVERLOAD SWITCHES AND HEATERS, MANUAL MOTOR STARTERS	26	26	26	
MANUAL-OPERATING AND MULTI-SPEED SWITCHES	23	26	26	26
CONTROLS, RELAYS, TRANSFORMERS	23	23	26	23
THERMOSTATS (LOW VOLTAGE) AND TIME SWITCHES	23	23	26	23
THERMOSTATS (LINE VOLTAGE)	23	23	26	26
TEMPERATURE CONTROL PANELS	23	23	26	23
MOTOR AND SOLENOID VALVES, DAMPER MOTORS, PE & EP SWITCHES	23	23(2)		23(2)
PUSH-BUTTON STATIONS AND PILOT LIGHTS	23	23(2)		23(2)
HEATING, COOLING, VENTILATION AND AIR CONDITIONING CONTROLS	23	23	26	23
EXHAUST FAN SWITCHES	23	26	26	23(2)

- 1. MOTOR STARTER TO INCLUDE CONTROL TRANSFORMER, HOA SWITCH, (1) NO AND (1)NC
- 2. IF ITEM IS FOR LINE VOLTAGE, SET IN PLACE AND CONNECT UNDER DIVISION 26. WHERE FACTORY MOUNTED ON EQUIPMENT OR ATTACHED TO PIPING OR DUCTS AND USING LINE VOLTAGE FURNISH AND SET UNDER DIVISION 23, CONNECT UNDER DIVISION 26.



- AUXILIARY CONTACT, AND "ON" AND "OFF" PILOT LIGHTS.

ABBREVIATIONS:

DIA DIAMETER

DIAG DIAGRAM

Sheet Number

M0-1

M1-1

44" FINISH	MOUNTING HEIGHT ABOVE IED FLOOR TO CENTER OF DEVICE		DIFFERENTIAL DISCHARGE DIVISION DOWN DUCT SILENCER DRAWING	HR HT	HOUR HEIGHT
Α	AMPS	DIV	DIVISION	HTR	HEATER
A.D.	ACCESS DOOR	DN	DOWN	HWR	HEATING WATER RETURN
AAV	AIR ADMITTANCE VALVE	DS	DUCT SILENCER	HWS	HEATING WATER SUPPLY
ABV	ABOVE AIR CONDITIONING UNIT ABOVE COUNTER AREA DRAIN (SEE SYMBOLS) ABOVE FINISHED CEILING ABOVE FINISHED GRADE	DWG	DIVAVVIIVO	11/1	HEAT EXCHANGER
AC .	AIR CONDITIONING UNIT	DX	DIRECT EXPANSION	HZ	HERTZ
C	ABOVE COUNTER	(E)	EXISTING	ID	INSIDE DIAMETER
νD	AREA DRAIN (SEE SYMBOLS)	EA	EXHAUST AIR GRILLE/REGISTER		ISOLATED GROUND
ı.F.C.	ABOVE FINISHED CEILING	EAT		IN	INCHES
.F.G.	ABOVE FINISHED GRADE	EC	ELECTRICAL CONTRACTOR	INV	INVERT
VIC.	AMPS INTERRUPTING CAPACITY	ECC	ECCENTRIC	JBOX	JUNCTION BOX
	ABOVE FINISHED FLOOR	EF	EXHAUST FAN	K	KELVIN
	AIR HANDLING UNIT	EFF	EFFICIENCY	KW	KILOWATT
'LOM	ALUMINUM ACCESS PANEL OR DOOR	EL	ELEVATION	KVA	
	ALTOMATIC TRANSFER SWITCH	ELEC	ECCENTRIC EXHAUST FAN EFFICIENCY ELEVATION ELECTRIC ELEVATOR EMERGENCY FUNCTION ENTERING	L LAT	LENGTH
ATS AV	AUTOMATIC TRANSFER SWITCH AUDIO / VIDEO	ELEV	ELEVATOR EMERCENCY ELINCTION	LAT	LEAVING AIR TEMPERATURE LAVATORY
.v .VG	AVERAGE		ENTERING	LV LB	POUND
	AMERICAN WIRE GAGE	LINI	LIVILIVING	LD	LINEAR DIFFUSER
AS	RUILDING AUTOMATION SYSTEM	EQ	ELECTRIC METALLIC TUBE EQUAL	LF	LINEAR FEET
AS B	BUILDING AUTOMATION SYSTEM BASEBOARD BACK DRAFT DAMPER	E() II□	FOLIPMENT	LIN	LINEAR
D	BACK DRAFT DAMPER	FOLIM	EQUIPMENT EQUIVALENT END SWITCH	LIQ	LIQUID
FP	BACK FLOW PREVENTOR	FS	END SWITCH	LM	LUMEN
L L	BOILER BUILDING BELOW BOTTOM OF BEAM BOTTOM OF DUCT BOTTOM OF PIPE BASEMENT BRITISH THERMAL UNIT CHILLER	FSP	EXTERNAL STATIC PRESSURE		LOCKED ROTOR AMPS
LDG	BUILDING	ET	EXPANSION TANK	LV	LOUVER
LW	BELOW	FWC	ELECTRIC WATER COOLER	LVG	LEAVING
OB	BOTTOM OF BEAM	EWT	ENTERING WATER	LWT	LEAVING WATER TEMPERAT
OD	BOTTOM OF DUCT	TEMP	ERATURE	MBH	
OP	BOTTOM OF PIPE	EX	EXHAUST	MC	MECHANICAL CONTRACTOR
SMT	BASEMENT	EXPAN	N EXPANSION	MCA	MINIMUM CIRCUIT
TU	BRITISH THERMAL UNIT	EXT	EXTERNAL		
;	CHILLER	F	EXTERNAL DEGREES FAHRENHEIT FREE AREA	MCB	MAIN CIRCUIT BREAKER
AP.	CAPACITY	FA		MD	MOTORIZED DAMPER
В	CIRCUIT BREAKER	FC	FAN COIL UNIT FOOTCANDLE	MDP	MAIN DISTRIBUTION PANEL
BV	CIRCUIT BALANCING VALVE CORRELATED COLOR ERATURE	FC		MED	
CT	CORRELATED COLOR	FCV	FLOW CONTROL VALVE	MFR	MANUFACTURER
EMPE	ERATURE	FD	FIRE DAMPER	MIN	MINIMUM
KT	CIRCUIT CUBIC FEET PER HOUR	FD	FLOOR DRAIN	MISC	MISCELLANEOUS
FH	CUBIC FEET PER HOUR	FIN	FINISHED	MLO	MAIN LUG ONLY
FM	CUBIC FEET PER MINUTE	FLA	FIRE DAMPER FLOOR DRAIN FINISHED FULL LOAD AMPS FLEXIBLE FLOOR FLAT ON BOTTOM FLAT ON TOP FIRE PROTECTION	MOCP	MAXIMUM OVERCURRENT
HWR	CHILLED WATER RETURN CHILLED WATER SUPPLY CAST IRON CENTER LINE CEILING	FLEX	FLEXIBLE	PROT	ECTION
HWS	CHILLED WATER SUPPLY	FLR	FLOOR	MID	MOUNTED
l	CAST IRON	FOB	FLAT ON BOTTOM	MUA	
	CENTER LINE	FOT	FLATON TOP	N	NEUTRAL
		FP	FIRE PROTECTION	NC	
ии О	CONCRETE MASONRY UNIT CLEAN OUT	FP FPM	FIRE PUMP FEET PER MINUTE	NEG NIC	NEGATIVE NOT IN CONTRACT
OL	COLUMN	FPS	FEET PER SECOND		NIGHT / SECURITY LIGHT - D
	COMPRESSOR	FS	FLOW SWITCH	NL NOT S	WITCH
	CONCRETE	FSD	FIRE/SMOKE DAMPER	NO S	NORMALLY OPEN
	CONDENSATE	FT	FEET	NOM	
	CONNECTION	FXC	FLEXIBLE CONNECTION	NTS	NOT TO SCALE
	CONTINUATION	GND	GROUND	OA	OUTSIDE AIR
ONTE		GA	GAUGE	OBD	OPPOSED BLADE DAMPER
RI	COLOR RENDERING INDEX	GAL	GALLON	OC	ON CENTER
T	COOLING TOWER		GALVANIZED	OCC	OCCUPIED
T	CURRENT TRANSFORMER		GROUND ELECTRODE	OCP	OVER CURRENT PROTECTION
U	CONDENSING UNIT		UCTOR	OD	OUTSIDE DIAMETER
:U	COPPER		GFI GROUND FAULT CIRCUIT	OL	OVERLOAD
UH	CABINET UNIT HEATER		RUPTER	ORD	OVERFLOW ROOF DRAIN
VB	CONSTANT VOLUME BOX	GC	GENERAL CONTRACTOR	OZ	OUNCE
WR	CONDENSER WATER RETURN	GPH		PBD	PARALLEL BLADE DAMPER
	CONDENSER WATER SUPPLY		GALLONS PER MINUTE	PD	PRESSURE DROP
В	DRY BULB	GRS/L		PH	PHASE
	DEPARTMENT	H 20	WATER	POS	POSITIVE PRESSURE
F	DRINKING FOUNTAIN	HB	HOSE BIBB	POS	POINT OF SALES
ΔΙΛ	DIAMETER	HD	HEAD (SEE SCHEDULES)	PR\/	PRESSURE REDUCING VALV

HP HEAT PUMP

MECHANICAL COVER SHEET

MECHANICAL PLANS

HP HORSEPOWER

HD HEAD (SEE SCHEDULES)

Ten .	•
SUBSTITUTI	(

Bighorn Consulting Engineers, Inc. Mechanical & Electrical Engineers

386 Indian Road Grand Junction, CO 81501 Phone: (970) 241-8709

A. SUBSTITUTIONS: SUBSTITUTION OF SPECIFIED EQUIPMENT WILL BE ALLOWED THROUGH A PRIOR APPROVAL PROCESS INITIATED BY THE CONTRACTOR. CONTRACTOR SHALL SUBMIT INTENDED SUBSTITUTION AT LEAST FIVE DAYS PRIOR TO BID FOR APPROVAL FROM ENGINEER. SUBMITTAL SHALL INCLUDE CAPACITIES, DIMENSIONS AND OPERATING INSTRUCTIONS FOR EACH PIECE OF EQUIPMENT. SUBSTITUTION SHALL OCCUR AT NO COST TO THE OWNER. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF APPROVED SUBSTITUTION AND SHALL INCUR ALL COSTS ASSOCIATED WITH THE SUBSTITUTION INCLUDING STRUCTURAL MODIFICATIONS, SPACE LAYOUT AND REDESIGN COSTS. SEE ALSO DIVISION I GENERAL REQUIREMENTS.

EXAMINATION OF SITE, DRAWINGS, SPECIFICATIONS:

A. EXAMINE CAREFULLY THE SITE AND CONDITIONS OF THE SITE. PROVIDE ALL NECESSARY EQUIPMENT AND LABOR TO INSTALL A COMPLETE WORKING SYSTEM WITHIN THE SITE CONDITIONS.

B. EXAMINE THE DRAWINGS AND SPECIFICATIONS AND 5 DAYS PRIOR TO BIDDING REPORT ANY ERRORS, OMISSIONS, INCONSISTENCIES, AND CONFLICTS TO THE ENGINEER TO BE REMEDIED IN AN ADDENDUM TO THE PROJECT PRIOR

C. DRAWINGS ARE DIAGRAMMATIC AND CATALOG NUMBERS GIVEN ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CAPACITY OF THE EQUIPMENT MEETS THE DRAWING REQUIREMENTS AND SHALL NOT DIMENSION FROM THE MECHANICAL, PLUMBING, OR PIPING DRAWINGS.

D. THE LATEST ADOPTED VERSIONS OF THE INTERNATIONAL BUILDING CODES SHALL BE USED AS REQUIRED. THIS WILL ALSO INCLUDE THE LATEST ADOPTED VERSIONS OF THE MECHANICAL, PLUMBING AND ENERGY CONSERVATION CODES. ALL METHODS AND MATERIALS REQUIRED BY THESE CODES SHALL BE REQUIRED BY THESE SPECIFICATIONS UNLESS INDICATED OTHERWISE. OTHER APPLICABLE LOCAL CODES AND ORDINANCES SHALL BE AS REQUIRED AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THESE REQUIREMENTS.

E. WHERE INSTALLATION PROCEDURES OR ANY PART THEREOF ARE REQUIRED TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER OF THE MATERIAL BEING INSTALLED, PRINTED COPIES OF THESE RECOMMENDATIONS SHALL BE FURNISHED TO THE ENGINEER PRIOR TO INSTALLATION. INSTALLATION OF THE ITEM WILL NOT BE ALLOWED TO PROCEED UNTIL THE RECOMMENDATIONS ARE RECEIVED. FAILURE TO FURNISH THESE RECOMMENDATIONS CAN BE CAUSE FOR REJECTION OF THE MATERIAL.

PTAC PACKAGED TERMINAL AIR

RA RETURN AIR GRILLE / REGISTER

SUPPLY AIR GRILLE / REGISTER

RCP REFLECTED CEILING PLAN

PVC POLYVINYL CHLORIDE QTY QUANTITY

CONDITIONER

PV PLUG VALVE

RD ROOF DRAIN

RHC REHEAT COIL RLA RATED LOAD AMPS

RPM REVOLUTIONS PER M

SCA SHORT CIRCUIT AVAILABLE SCCR SHORT CIRCUIT CURRENT

SPD SURGE PROTECTION DEVICE

TR TRANSFER GRILLE / REGISTER

TEMPERATURE TRANSMITTER

STAINLESS STEEL SS SAFETY SHOWER STD STANDARD STL STEEL SYS SYSTEM TEMP TEMPERATURE

TR TAMPER RESISTANT

TTB TELECOMMUNICATIONS TERMINAL BACKBOARD TYP TYPICAL TX TRANSFORMER UC UNDERCUT DOOR UH UNIT HEATER

UNO UNLESS NOTED OTHERWISE

VAV VARIABLE AIR VOLUME UNIT VFD VARIABLE FREQUENCY DRIVE VRF VARIABLE REFRIGERANT FLOW

UNOCC UNOCCUPIED

VOLT AMPERE

VTR VENT THROUGH ROOF WIDTH WATTS W/ WITH W/O WITHOUT WB WET BULB WC WATER COLUMN WC WATER CLOSET WG WATER GAUGE

WP WEATHERPROOF

XFMR TRANSFORMER

WPIU WEATHERPROOF IN-USE WSR WITHSTAND RATING

Sheet Name

MECHANICAL SHEET LIST

PS PRESSURE SWITCH

PRV PRESSURE REDUCING VALVE

PSI POUNDS PER SQUARE INCH PT PRESSURE TRANSMITTER

UR URINAL VOLTS

VA VALVE

VOLT VOLTAGE

SC SHORT CIRCUIT

SPEC SPECIFICATION SQ SQUARE

SCH SCHEDULE SD SMOKE DAMPER SEF SMOKE EXHAUST FAN SUPPLY FAN SH SENSIBLE HEAT SHOWER SP STATIC PRESSURE

REQD REQUIRED RF RETURN FAN RH RELATIVE HUMIDITY

REL RELIEF

RM ROOM

RATING

SUBSTITUTIONS:

215 RICE STREET **GRAND JUNCTION, CO** 81501

Architecture

Interior Design

622 Rood Avenue

Project Management

970-242-1058 office

BLYTHE GROUP + co.

Grand Junction, CO 81501

MECHANICAL COVER SHEET

MESA COUNTY SHERRIFF'S

OFFICE - BOOKING AREA

RENOVATION

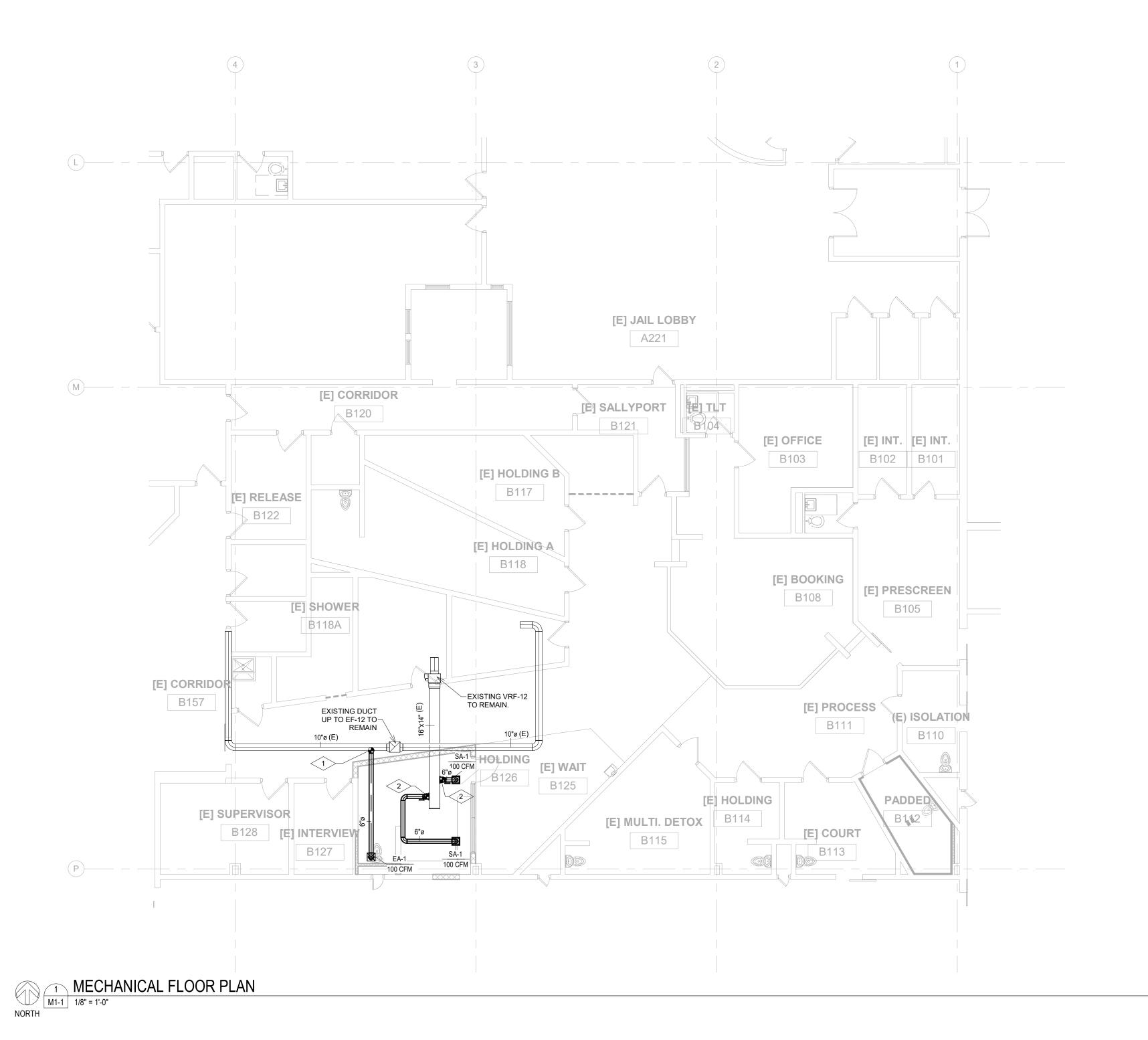
CONSTRUCTION DRAWINGS

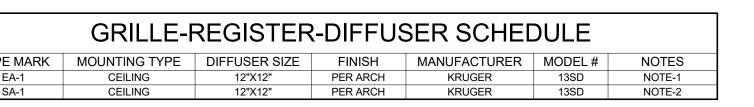


REV. DESC.

DATE: 01/16/2024

PROJECT #: 23185





GRILLE TO BE OF CONSTRUCTED OF WELDED STEEL. PROVIDE WITH DUCT SLEEVE, ANCHOR BARS, AND STEAL BAR FACE FRAME.
 GRILLE TO BE OF CONSTRUCTED OF WELDED STEEL. PROVIDE WITH OBD, DUCT SLEEVE, ANCHOR BARS, AND STEAL BAR FACE FRAME.

MECHANICAL KEVNICTES

	MECHANICAL KEYNOTES
Note Number	Note Text
1	TIE NEW EXHAUST DUCT FROM HOLDING CELLS TO EXISING EF-12. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISITING AND RE-BALANCE AIRFLOWS.
2	TIE NEW SUPPLY DUCT OFF EXISITNG MAIN FROM VRF-12. FIELD VERIFY LOCATION OF EXISTING AND COORDIANTE CONNECTION LOCATIONS. CONTRACTOR SHALL RE-BALANCE THE SYSTEM AFTER NEW GRILLES ARE INSTALLED.

MECHANICAL GENERAL NOTES:

- 1. DRAWING IS DIAGRAMMATIC IN NATURE. LOCATIONS AND SIZES MAY VARY DURING FIELD COORDINATION & INSTALLATION OF MECHANICAL, PLUMBING, & ELECTRICAL. DRAWINGS DO NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS. TAKE ALL DIMENSIONS FROM ARCHITECTURAL DRAWINGS, CERTIFIED EQUIPMENT DRAWINGS AND FROM THE STRUCTURE ITSELF BEFORE FABRICATING ANY WORK, VERIFY ALL SPACE REQUIREMENTS COORDINATING WITH OTHER TRADES, AND INSTALL THE SYSTEMS IN THE SPACE PROVIDED WITHOUT EXTRA CHARGES TO THE OWNER.
- 2. DUCT DIMENSIONS DO NOT REFLECT ADDITIONAL DIMENSIONS FOR INSULATION. ALL DUCTING SHALL BE INSULATED PER 2018 IECC CODE REQUIREMENTS. (SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH NOT LESS THAN R-6 INSULATION WHERE LOCATED IN UNCONDITIONED SPACES AND WHERE LOCATED OUTSIDE THE BUILDING WITH NOT LESS THAN R-8 INSULATION IN CLIMATE ZONES 1 THROUGH 4 AND NOT LESS THAN R-12 INSULATION IN CLIMATE ZONES 5 THROUGH 8. WHERE LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY NOT LESS THAN R-8 INSULATION IN CLIMATE ZONES 1 THROUGH 4 AND NOT LESS THAN R-12 INSULATION IN CLIMATE ZONES 5 THROUGH 8. MESA COUNTY IS CLIMATE ZONE 5B)
- COORDINATE FINAL LOCATION OF THERMOSTAT WITH OWNER PRIOR TO INSTALLATION. IF THERMOSTAT IS LOCATED ON EXTERIOR WALL PROVIDE THERMOSTAT WITH INSULATED BACKING.
- 4. MECHANICAL CONTRACTOR SHALL FIELD LOCATE EXISTING DUCTWORK PRIOR TO CONSTRUCTION. MECHANICAL CONTRACTOR SHALL COORDINATE TIE IN CONNECTION POINTS OF NEW SUPPLY DIFFUSERS WITH EXISTING DUCTWORK AS
- 5. CONTRACTOR SHALL CLEAN AND SERVICE ALL EXISTING EQUIPMENT TO REMAIN. CONTRACTOR SHALL VERIFY ALL EQUIPMENT TO REMAIN IS PROPERLY FUNCTIONING PRIOR TO RE-USING EQUIPMENT. CONTRACTOR TO INSURE THAT FINAL MECHANICAL SYSTEM WILL OPERATE AS INTENDED ON PROVIDED DRAWINGS.
- 6. MECHANICAL EQUIPMENT MANUFACTURERS AS SCHEDULED ON MECHANICAL DRAWINGS ARE SUGGESTED MANUFACTURER'S. UNLESS NOTED OTHERWISE DUE TO OWNER/CLIENT REQUIREMENTS AND PREFERENCES. MECHANICAL CONTRACTOR CAN SUBMIT EQUIVALENT EQUIPMENT FROM MANUFACTURERS THAT DIFFER FROM SCHEDULED MECHANICAL EQUIPMENT. ALTERNATE MANUFACTURERS OF MECHANICAL EQUIPMENT WILL BE REVIEWED FOR EQUIVALENCE OF PERFORMANCE AND FUNCTIONALITY BY ENGINEER.

3G+co.

Interior Design
Project Management

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

BLYTHE GROUP + co.

MESA COUNTY SHERRIFF'S OFFICE - BOOKING AREA RENOVATION

215 RICE STREET GRAND JUNCTION, CO 81501

MECHANICAL PLANS

CONSTRUCTION DRAWINGS



REV. DESC.

DATE: 01/16/2024

PROJECT #: 23185

M1-1

PLUMBING PIPE DESIGNATIONS LINE TYPE DESCRIPTION HIGH TEMPERATURE (140°) WATER PIPE ----- COLD WATER PIPE (CW) CA COMPRESSED AIR DECONTAMINATION PIPING DEIONIZED WATER RETURN DEIONIZED WATER SUPPLY ——— DIS ———— DISTILLED WATER SUPPLY ——— DIR ——— DISTILLED WATER RETURN EQUIPMENT CONDENSATE DRAIN FIRE MAIN GREASE WASTE PIPE — – – — HOT WATER RECIRCULATION (HWR) — - - — HOT WATER PIPE (HW) -----LPC LOW PRESSURE CONDENSATE — LPS — LOW PRESSURE STEAM MEDICAL AIR — G — NATURAL GAS PIPE — N2 — NITROGEN N2O NITROUS OXIDE ----ORD-----OVERFLOW STORM WATER PIPE O2 OXYGEN PROPANE GAS RD ROOF DRAIN PIPE — — SOIL OR WASTE PIPE SOIL / OIL WASTE PIPE TOWER WATER RETURN —TWS——— TOWER WATER SUPPLY -----VAC------VACUUM — — — — — VENT PIPE (V)

	PLUMBING ELE	MENTS / VALVING	
LINE TYPE	DESCRIPTION	LINE TYPE	DESCRIPTION
PRV 60			PIPE RISING UP
PSI	PRESSURE REDUCING		PIPE DROPPING DOWN
1 T 2	VALVE (PRV)		UNION - SCREWED OR FLANGED
	— GATE VALVE	PT/PS	PRESSURE TRANSMITTER OR
	— GLOBE VALVE		PRESSURE SWITCH
$ \overline{\nabla} $	— PLUG VALVE		THERMOMETER/TEMPERATURE
	— BUTTERFLY VALVE	PI/GA	INDICATOR GAUGE WITH GAUGE COCK/ PRESSURE INDICATOR
	— BALL VALVE		BACKFLOW PREVENTOR
	— SWING CHECK VALVE		(REDUCED ZONE) BACKFLOW PREVENTOR
—	LIFT CHECK VALVE	SA SA	(DOUBLE CHECK VALVE ASSEMBLY WATER HAMMER ARRESTER
<u> </u>	GATE VALVE, ANGLE		CIRCUIT SETTING
	GLOBE VALVE, ANGLE		CIRCUIT SETTING
T +4		НВ	HOSE BIBB
TPV	TEMPERATURE AND PRESSURE RELIEF VALVE	RD 💿	ROOF DRAIN
	RELIEF/SAFETY VALVE	FD	FLOOR DRAIN
	— GAS COCK	AD	AREA DRAIN
	— GAS PRESSURE REGULATOR	co	FLOOR CLEAN OUT
	STRAINER	FS	FLOOR SINK
\	STRAINER WITH	COG	- CLEAN OUT TO GRADE
1	BLOW OFF VALVE	co	
WH	WATER HEATER		WALL CLEAN OUT
<u> </u>	WATER METER		FLEXIBLE-CONNECTION
	PRESSURE GAGE		CHECK VALVE
	TEMPERATURE GAGE		VACUUM BREAKER

RESPONSIBLE DIVISION:

IN PLACE AND WIRED AS FOLLOWS:

ITEM	FURNISHED	SET	POWER WIRED	CONTROL WIRED
EQUIPMENT	23	23	26	
COMBINATION MAGNETIC MOTOR STARTERS, MAGNETIC MOTOR STARTERS, VFD'S AND CONTACTORS	23(1)	26	26(2)	23
FUSED AND UNFUSED DISCONNECT SWITCHES, THERMAL OVERLOAD SWITCHES AND HEATERS, MANUAL MOTOR STARTERS	26	26	26	
MANUAL-OPERATING AND MULTI-SPEED SWITCHES	23	26	26	26
CONTROLS, RELAYS, TRANSFORMERS	23	23	26	23
THERMOSTATS (LOW VOLTAGE) AND TIME SWITCHES	23	23	26	23
THERMOSTATS (LINE VOLTAGE)	23	23	26	26
TEMPERATURE CONTROL PANELS	23	23	26	23
MOTOR AND SOLENOID VALVES, DAMPER MOTORS, PE & EP SWITCHES	23	23(2)		23(2)
PUSH-BUTTON STATIONS AND PILOT LIGHTS	23	23(2)		23(2)
HEATING, COOLING, VENTILATION AND AIR CONDITIONING CONTROLS	23	23	26	23
EXHAUST FAN SWITCHES	23	26	26	23(2)

1. MOTOR STARTER TO INCLUDE CONTROL TRANSFORMER, HOA SWITCH, (1) NO AND (1)NC AUXILIARY CONTACT, AND "ON" AND "OFF" PILOT LIGHTS.

VOLTAGE FURNISH AND SET UNDER DIVISION 23, CONNECT UNDER DIVISION 26.

Bighorn Consulting Engineers, Inc. Mechanical & Electrical Engineers

> 386 Indian Road Grand Junction, CO 81501 Phone: (970) 241-8709

SUBSTITUTIONS:

A. SUBSTITUTIONS: SUBSTITUTION OF SPECIFIED EQUIPMENT WILL BE ALLOWED THROUGH A PRIOR APPROVAL PROCESS INITIATED BY THE CONTRACTOR. CONTRACTOR SHALL SUBMIT INTENDED SUBSTITUTION AT LEAST FIVE DAYS PRIOR TO BID FOR APPROVAL FROM ENGINEER. SUBMITTAL SHALL INCLUDE CAPACITIES, DIMENSIONS AND OPERATING INSTRUCTIONS FOR EACH PIECE OF EQUIPMENT. SUBSTITUTION SHALL OCCUR AT NO COST TO THE OWNER. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF APPROVED SUBSTITUTION AND SHALL INCUR ALL COSTS ASSOCIATED WITH THE SUBSTITUTION INCLUDING STRUCTURAL MODIFICATIONS, SPACE LAYOUT AND REDESIGN COSTS. SEE ALSO DIVISION I GENERAL REQUIREMENTS.

EXAMINATION OF SITE, DRAWINGS, SPECIFICATIONS:

A. EXAMINE CAREFULLY THE SITE AND CONDITIONS OF THE SITE. PROVIDE ALL NECESSARY EQUIPMENT AND LABOR TO INSTALL A COMPLETE WORKING SYSTEM WITHIN THE SITE CONDITIONS.

B. EXAMINE THE DRAWINGS AND SPECIFICATIONS AND 5 DAYS PRIOR TO BIDDING REPORT ANY ERRORS, OMISSIONS, INCONSISTENCIES, AND CONFLICTS TO THE ENGINEER TO BE REMEDIED IN AN ADDENDUM TO THE PROJECT PRIOR TO BID TIME.

C. DRAWINGS ARE DIAGRAMMATIC AND CATALOG NUMBERS GIVEN ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CAPACITY OF THE EQUIPMENT MEETS THE DRAWING REQUIREMENTS AND SHALL NOT DIMENSION FROM THE MECHANICAL, PLUMBING, OR PIPING DRAWINGS

D. THE LATEST ADOPTED VERSIONS OF THE INTERNATIONAL BUILDING CODES SHALL BE USED AS REQUIRED. THIS WILL ALSO INCLUDE THE LATEST ADOPTED VERSIONS OF THE MECHANICAL. PLUMBING AND ENERGY CONSERVATION CODES ALL METHODS AND MATERIALS REQUIRED BY THESE CODES SHALL BE REQUIRED BY THESE SPECIFICATIONS UNLESS INDICATED OTHERWISE. OTHER APPLICABLE LOCAL CODES AND ORDINANCES SHALL BE AS REQUIRED AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THESE REQUIREMENTS.

E. WHERE INSTALLATION PROCEDURES OR ANY PART THEREOF ARE REQUIRED TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER OF THE MATERIAL BEING INSTALLED, PRINTED COPIES OF THESE RECOMMENDATIONS SHALL BE FURNISHED TO THE ENGINEER PRIOR TO INSTALLATION. INSTALLATION OF THE ITEM WILL NOT BE ALLOWED TO PROCEED UNTIL THE RECOMMENDATIONS ARE RECEIVED. FAILURE TO FURNISH THESE RECOMMENDATIONS CAN BE CAUSE FOR REJECTION OF THE MATERIAL.

CONDITIONER

PV PLUG VALVE

RD ROOF DRAIN

REQD REQUIRED

RF RETURN FAN

RHC REHEAT COIL RLA RATED LOAD AMPS

SC SHORT CIRCUIT

SD SMOKE DAMPER

SH SENSIBLE HEAT

SP STATIC PRESSURE

SPEC SPECIFICATION

SS STAINLESS STEEL

SS SAFETY SHOWER

TEMP TEMPERATURE

TR TAMPER RESISTANT

TERMINAL BACKBOARD

UC UNDERCUT DOOR

UNOCC UNOCCUPIED

TX TRANSFORMER

UH UNIT HEATER

VA VOLT AMPERE

VOLT VOLTAGE

W WIDTH

W WATTS

W/ WITH

W/O WITHOUT

WB WET BULB

WC WATER COLUMN

WC WATER CLOSET

WG WATER GAUGE

WP WEATHERPROOF WPIU WEATHERPROOF IN-USE

XFMR TRANSFORMER

WSR WITHSTAND RATING

SCH SCHEDULE

SF SUPPLY FAN

SH SHOWER

SQ SQUARE

STD STANDARD

STL STEEL

SYS SYSTEM

TYP TYPICAL

UR URINAL

V VOLTS

RH RELATIVE HUMIDITY

RPM REVOLUTIONS PER MINUTE

SCA SHORT CIRCUIT AVAILABLE

SCCR SHORT CIRCUIT CURRENT

SEF SMOKE EXHAUST FAN

SPD SURGE PROTECTION DEVICE

TR TRANSFER GRILLE / REGISTER

TT TEMPERATURE TRANSMITTER

UNO UNLESS NOTED OTHERWISE

VAV VARIABLE AIR VOLUME UNIT VFD VARIABLE FREQUENCY DRIVE

VTR VENT THROUGH ROOF

VRF VARIABLE REFRIGERANT FLOW

TTB TELECOMMUNICATIONS

SA SUPPLY AIR GRILLE / REGISTER

RFI RFI IFF

RM ROOM

QTY QUANTITY

PTAC PACKAGED TERMINAL AIR

RA RETURN AIR GRILLE / REGISTER

RCP REFLECTED CEILING PLAN

PVC POLYVINYL CHLORIDE



Interior Design

622 Rood Avenue

Project Management

970-242-1058 office

BLYTHE GROUP + co.

Grand Junction, CO 81501

PLUMBING COVER SHEET

MESA COUNTY SHERRIFF'S

OFFICE - BOOKING AREA

RENOVATION

215 RICE STREET

GRAND JUNCTION, CO

81501

CONSTRUCTION DRAWINGS



REV. DESC.

DATE: 01/16/2024

PROJECT #: 23185

P0-1

UNLESS OTHERWISE INDICATED ALL HEATING, VENTILATING, AIR CONDITIONING, PLUMBING, AND OTHER MECHANICAL EQUIPMENT, MOTORS, AND CONTROLS SHALL BE FURNISHED, SET

2. IF ITEM IS FOR LINE VOLTAGE, SET IN PLACE AND CONNECT UNDER DIVISION 26. WHERE FACTORY MOUNTED ON EQUIPMENT OR ATTACHED TO PIPING OR DUCTS AND USING LINE

DIFF DIFFERENTIAL

DS DUCT SILENCER

EXISTING

DX DIRECT EXPANSION

ÈÁ EXHAUST AIR GRILLE/REGISTER

ELECTRICAL CONTRACTOR

EAT ENTERING AIR TEMPERATURE

EM EMERGENCY FUNCTION

EMT ELECTRIC METALLIC TUBE

ESP EXTERNAL STATIC PRESSURE

EWC ELECTRIC WATER COOLER

DEGREES FAHRENHEIT

FCV FLOW CONTROL VALVE

DISCH DISCHARGE

DIV DIVISION

DWG DRAWING

ECC ECCENTRIC

EFF EFFICIENCY

FI FI EVATION

ELEC ELECTRIC

ELEV ELEVATOR

ENT ENTERING

EQUIP EQUIPMENT

EQUIV EQUIVALENT

ES END SWITCH

TEMPERATURE

EX EXHAUST

FXT FXTFRNAI

FA FREE AREA

FC FAN COIL UNIT

FC FOOTCANDLE

FD FIRE DAMPER

FD FLOOR DRAIN

FLA FULL LOAD AMPS

FOB FLAT ON BOTTOM

FP FIRE PROTECTION

FPM FEET PER MINUTE

FPS FEET PER SECOND

FSD FIRE/SMOKE DAMPER

FXC FLEXIBLE CONNECTION

PLUMBING COVER SHEET

PLUMBING PLANS

FS FLOW SWITCH

GND GROUND

GA GAUGE

GAL GALLON

GALV GALVANIZED

FOT FLAT ON TOP

FP FIRE PUMP

FIN FINISHED

FLEX FLEXIBLE

FLR FLOOR

FT FXPANSION TANK

EWT ENTERING WATER

EXPAN EXPANSION

EQ EQUAL

EF EXHAUST FAN

DN DOWN

ABBREVIATIONS: 44" MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTER OF DEVICE

A.D. ACCESS DOOR AAV AIR ADMITTANCE VALVE ABV ABOVE AC AIR CONDITIONING UNIT AC ABOVE COUNTER AREA DRAIN (SEE SYMBOLS)

A.F.C. ABOVE FINISHED CEILING A.F.G. ABOVE FINISHED GRADE AIC AMPS INTERRUPTING CAPACITY A.F.F. ABOVE FINISHED FLOOR AHU AIR HANDLING UNIT ALUM ALUMINUM

AP ACCESS PANEL OR DOOR ATS AUTOMATIC TRANSFER SWITCH AV AUDIO / VIDEO AVG AVERAGE AWG AMERICAN WIRE GAGE BAS BUILDING AUTOMATION SYSTEM BB BASEBOARD BD BACK DRAFT DAMPER

BFP BACK FLOW PREVENTOR BL BOILER BLDG BUILDING BLW BELOW BOB BOTTOM OF BEAM BOD BOTTOM OF DUCT BOP BOTTOM OF PIPE BSMT BASEMENT BTU BRITISH THERMAL UNIT

C CHILLER CAP CAPACITY CB CIRCUIT BREAKER CBV CIRCUIT BALANCING VALVE CCT CORRELATED COLOR TEMPERATURE CKT CIRCUIT CFH CUBIC FEET PER HOUR CFM CUBIC FEET PER MINUTE CHWR CHILLED WATER RETURN

CHWS CHILLED WATER SUPPLY CI CAST IRON CL CENTER LINE CLG CEILING CMU CONCRETE MASONRY UNIT CO CLEAN OUT COL COLUMN COMP COMPRESSOR

CONC CONCRETE COND CONDENSATE CONN CONNECTION CONT CONTINUATION CONTR CONTRACTOR CRI COLOR RENDERING INDEX CT COOLING TOWER CURRENT TRANSFORMER CU CONDENSING UNIT

CU COPPER CUH CABINET UNIT HEATER CVB CONSTANT VOLUME BOX CWR CONDENSER WATER RETURN CWS CONDENSER WATER SUPPLY DB DRY BULB DEPT DEPARTMENT DF DRINKING FOUNTAIN DIA DIAMETER

> P0-1 P1-1

Sheet Number

GEC GROUND ELECTRODE CONDUCTOR INTERRUPTER H 2O WATER HB HOSE BIBB DIAG DIAGRAM HP HEAT PUMP

GFCI / GFI GROUND FAULT CIRCUIT GC GENERAL CONTRACTOR GPH GALLONS PER HOUR GPM GALLONS PER MINUTE GRS/LB GRAINS PER POUND HD HEAD (SEE SCHEDULES) HP HORSEPOWER

POS POSITIVE PRESSURE POS POINT OF SALES PRV PRESSURE REDUCING VALVE PRESSURE SWITCH PSI POUNDS PER SQUARE INCH PRESSURE TRANSMITTER

HEIGHT

HWR HEATING WATER RETURN

HWS HEATING WATER SUPPLY

INSIDE DIAMETER

ISOLATED GROUND

LAT LEAVING AIR TEMPERATURE

LINEAR DIFFUSER

LINEAR FEET

LRA LOCKED ROTOR AMPS

MCA MINIMUM CIRCUIT

MFR MANUFACTURER

MISC MISCELLANEOUS

MUA MAKE-UP AIR UNIT

NC NORMALLY CLOSED

NIC NOT IN CONTRACT

NO NORMALLY OPEN

NTS NOT TO SCALE

OA OUTSIDE AIR

OC ON CENTER

OCC OCCUPIED

OZ OUNCE

PH PHASE

OL

NL NIGHT / SECURITY LIGHT - DO

OBD OPPOSED BLADE DAMPER

OD OUTSIDE DIAMETER

ORD OVERFLOW ROOF DRAIN

PBD PARALLEL BLADE DAMPER

OVERLOAD

PD PRESSURE DROP

OCP OVER CURRENT PROTECTION

MLO MAIN LUG ONLY

MCB MAIN CIRCUIT BREAKER

MDP MAIN DISTRIBUTION PANEL

MOCP MAXIMUM OVERCURRENT

MD MOTORIZED DAMPER

LWT LEAVING WATER TEMPERATURE

MBH THOUSANDS OF BTU PER HOUR

MC MECHANICAL CONTRACTOR

HX HEAT EXCHANGER

HERTZ

INCHES

INVERT

K KELVIN

KW KILOWATT KVA KILO VOLT - AMPS

LV LAVATORY

LIN LINEAR

LIQ LIQUID

LM LUMEN

LV LOUVER

LVG LEAVING

AMPACITY

MED MEDIUM

MIN MINIMUM

PROTECTION

MTD MOUNTED

N NEUTRAL

NEG NEGATIVE

NOT SWITCH

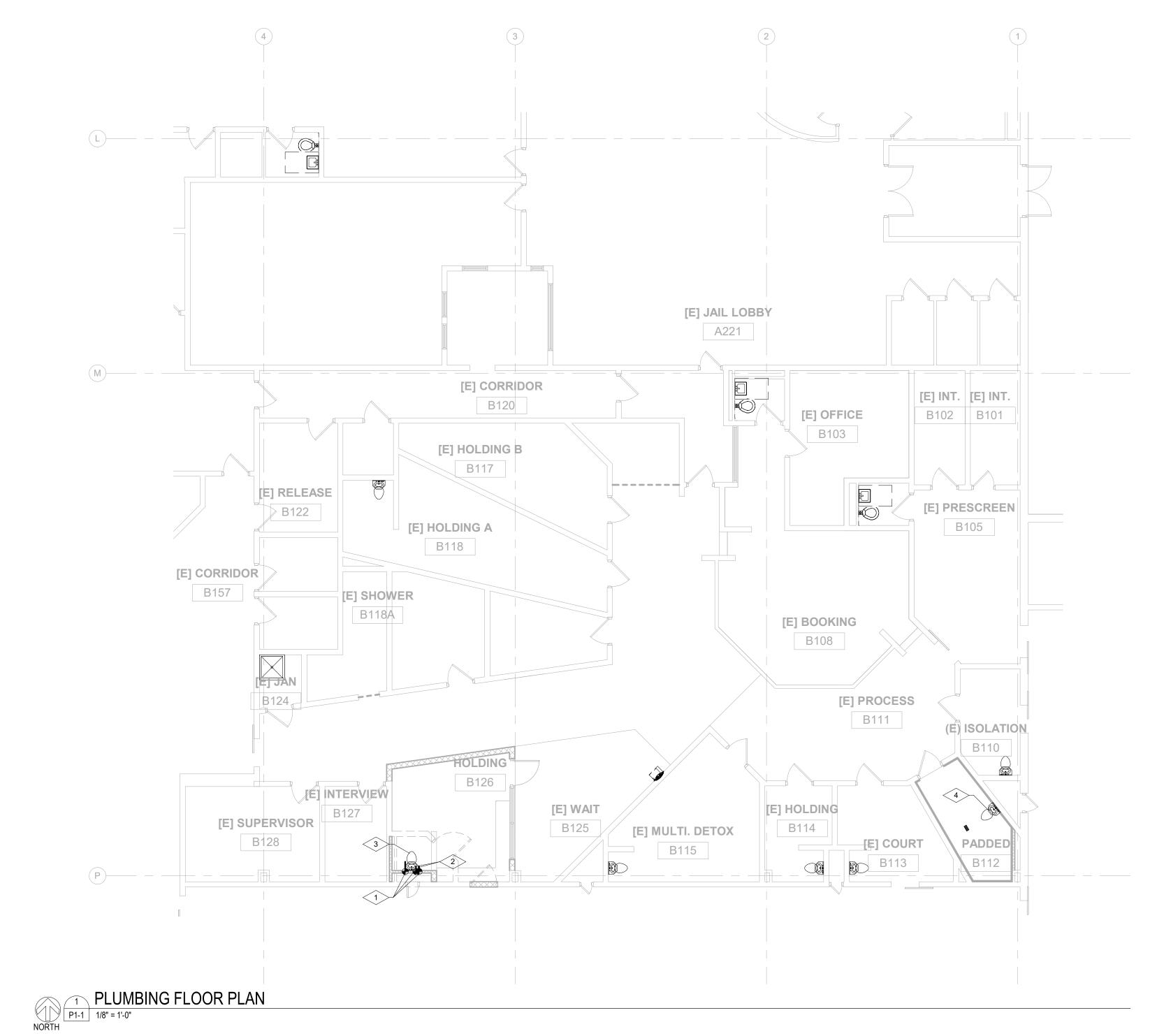
NOM NOMINAL

POUND

JBOX JUNCTION BOX

HTR HEATER

PLUMBING SHEET LIST Sheet Name





Interior Design **Project Management 622 Rood Avenue**

BLYTHE GROUP + co.

Grand Junction, CO 81501 970-242-1058 office

PLUMBING KEYNOTES Note Number CONNECT TO EXISTING SANITARY WASTE, DOMESTIC COLD WATER, AND DOMESTIC HOT WATER IN AREA. PROVIDE REMOTE WATER CONTROL SYSTEM ON DOMESTIC WATER SUPPLY. REUSE FROM PADDED (B112) IF POSSIBLE. PROVIDE NEW IF EXISTING IS NOT ABLE TO BE REUSED. CONTROLS TO BE WIRED AND PLUMBED. REUSE EXISTING SECURITY COMBO FIXTURE FROM PADDED (B112). CONTRACTOR TO VERIFY GOOD WORKING CONDITION OF EXISTING FIXTRE. IF UNIT IS NOT ABLE TO BE REUSED, PROVIDE WITH ACORN PENAL-WARE 1415, 15" LAV-TOILET COMBY UNIT WITH OPTIONAL VALVE, CENTERED TOILET, FLOOR MOUNT WITH WALL OUTLET, AND 1.28 GPF FLUSH VALVE. EXISTING COMBINATION UNIT TO BE REMOVED. UNIT IS TO BE RELOCATED TO NEW HOLDING ROOM. CAP EXISTING PIPES.

PLUMBING GENERAL NOTES:

- DRAWING IS DIAGRAMMATIC IN NATURE. LOCATIONS AND SIZES MAY VARY DURING FIELD COORDINATION & INSTALLATION OF MECHANICAL, PLUMBING, & ELECTRICAL. DRAWINGS DO NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS. TAKE ALL DIMENSIONS FROM ARCHITECTURAL DRAWINGS, CERTIFIED EQUIPMENT DRAWINGS AND FROM THE STRUCTURE ITSELF BEFORE FABRICATING ANY WORK, VERIFY ALL SPACE REQUIREMENTS COORDINATING WITH OTHER TRADES, AND INSTALL THE SYSTEMS IN THE SPACE PROVIDED WITHOUT EXTRA CHARGES TO THE OWNER.
- PIPE DIMENSIONS DO NOT REFLECT ADDITIONAL DIMENSIONS FOR INSULATION. ALL PIPING SHALL BE INSULATED PER 2018 IECC CODE REQUIREMENTS.
- ALL PLUMBING FIXTURES WITH QUICK CLOSING VALVES ON DOMESTIC COLD/HOT WATER SHALL BE PROVIDED WITH WATER HAMMER ARRESTOR.
- PROVIDE ISOLATION VALVES AT GROUP RESTROOMS TO ALLOW FOR TOTAL ISOLATION OF THE ENTIRE RESTROOM GROUP FROM THE REST OF THE DOMESTIC COLD, HOT AND HOT RE-CIRCULATION SYSTEMS.
- ALL PLUMBING FIXTURES SHALL BE VENTED BY PLUMBING CONTRACTOR PER IPC REQUIREMENTS.
- CONTRACTOR SHALL CLEAN AND SERVICE ALL EXISTING EQUIPMENT/PLUMBING FIXTURES TO REMAIN. CONTRACTOR SHALL VERIFY ALL EQUIPMENT/PLUMBING FIXTURES ARE PROPERLY FUNCTIONING PRIOR TO RE-USING EQUIPMENT/FIXTURES. CONTRACTOR TO INSURE THAT FINAL PLUMBING SYSTEM WILL OPERATE AS INTENDED ON
- PLUMBING FIXTURE MANUFACTURERS AS SCHEDULED ON PLUMBING DRAWINGS ARE SUGGESTED MANUFACTURER'S AND MODELS. UNLESS NOTED OTHERWISE DUE TO OWNER/CLIENT REQUIREMENTS AND PREFERENCES. PLUMBING CONTRACTOR CAN SUBMIT EQUIVALENT FIXTURES FROM MANUFACTURERS THAT DIFFER FROM SCHEDULED PLUMBING FIXTURES. ALTERNATE MANUFACTURERS OF PLUMBING FIXTURES WILL BE REVIEWED FOR EQUIVALENCE OF PERFORMANCE AND FUNCTIONALITY BY ENGINEER.

MESA COUNTY SHERRIFF'S OFFICE - BOOKING AREA RENOVATION

215 RICE STREET **GRAND JUNCTION, CO** 81501

PLUMBING PLANS

CONSTRUCTION DRAWINGS



DATE: 01/16/2024

PROJECT #: 23185

P1-1



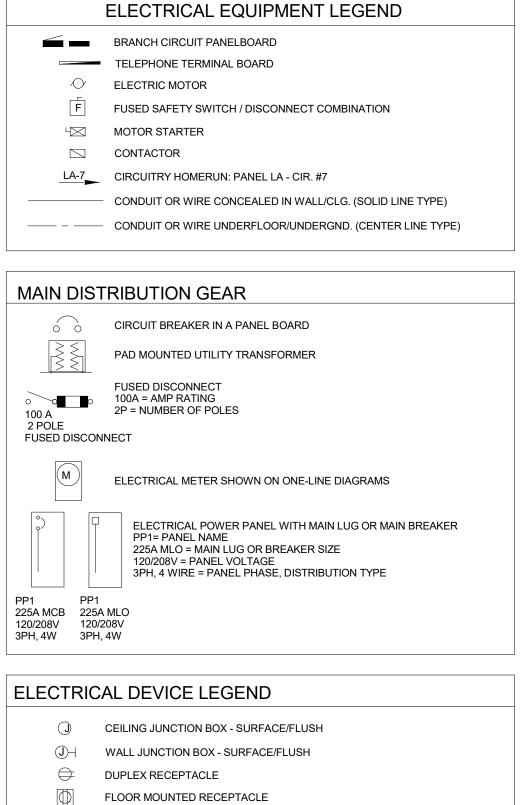
COMMUNICATION LEGEND		
_		
9	CLOCK ONLY	
	CLOCK / PA SPEAKER WALL MOUNTED	
S	ROUND CEILING MOUNTED SPEAKER	
S	SQUARE SPEAKER	
H C	INTERCOM PUSH TO CALL SWITCH	
WAP	WIRELESS ACCESS POINT ABOVE THE CEILING	
PROJECTOR	ABOVE THE CEILING PROJECTOR CONNECTION	
□ HDMI	WALL MOUNTED HDMI	
	PLAIN DATA OUTLET	
▽80"	PLAIN DATA OUTLET WITH MOUNTING HEIGHT	
A	COMBINATION DATA/TELEPHONE	
T	FLOOR MOUNTED COMBINATION DATA/TELEPHONE	
	CEILING MOUNTED COMBINATION DATA/TELEPHONE	
	TELEVISION OUTLET	

SECURITY SYSTEM LEGEND SECURITY CAMERA ADA DOOR OPERATOR PUSH BUTTON ELECTRIC DOOR STRIKE CARD READER FOR DOOR OPERATOR

	LIGHTING LEGEND
NOTES:	
THE PLA PROJEC	S SHOWN ARE STANDARD. VARIATION AND/OR COMBINATIONS MAY BE USED ON NS. THIS LIST SHOWS STANDARD SYMBOLS AND ALL MAY NOT APPEAR ON THE T DRAWINGS; HOWEVER, WHEREVER THE SYMBOL ON THE PROJECT DRAWINGS THE ITEM SHALL BE PROVIDED AND INSTALLED.
VARIATIO	ON AND/OR COMBINATION MAY BE USED ON THE PLANS.
A NUMBI	ER NEXT TO A RECEPTACLE OR DEVICE INDICATES A CIRCUIT NUMBER.
	ER CASE LETTER NEXT TO A SWITCH INDICATES THE FUNCTION OF THE SWITCH. CASE LETTER INDICATES THE SWITCH CIRCUIT.
REFER T	ER CASE LETTER NEXT TO A LIGHT FIXTURE INDICATES THE TYPE OF FIXTURE. O THE LUMINAIRE SCHEDULE FOR FIXTURE SPECIFICATIONS. A LOWER CASE NEXT TO A LIGHT CORRESPONDS TO THE SWITCH DESIGNATION.
	CWITCHEC
	SWITCHES
\$	SINGLE POLE SWITCH
\$ ₂ \$ ₃	TWO POLE SWITCH THREE-WAY SWITCH
Ψ3 \$ ₄	FOUR-WAY SWITCH
\$ _D	DIMMER SWITCH
\$ _{3D}	3 WAY DIMMER SWITCH - (4D INDICATES A 4WAY DIMMER)
\$ _{DR}	DOOR ACTIVATED SWITCH
\$ _{MA}	WALL MOUNTED DUAL TECHNOLOGY MANUAL ON / AUTO OFF VACANCY SENSOF
	SWITCH
\$ _{LV}	LOW VOLTAGE LIGHT SWITCH
\$то	MANUAL MOTOR STARTER
\$ _P	PILOT LIGHT SWITCH
\$os	
\$мо ъD	DUAL TECHNOLOGY MOTION / OCCUPANCY SENSOR LIGHT SWITCH
\$D MA	MANUAL ON / AUTO OFF DIMMING LIGHT SWITCH KEY OPERATED LIGHT SWITCH
^{\$} κ \$ _Τ	MANUAL ON - TIMED OFF LIGHT SWITCH
(OS) (OS)	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH
$\overline{\text{MA}}$	CEILING MOUNTED DUAL TECHNOLOGY MANUAL ON / AUTO OFF VACANCY SENSOR
\$sc	SCENE CONTROL STATION
\$ _{MS}	UNIT LIGHTING MANAGEMENT CONTROL STATION,
	LIGHT FIXTURES
Α	1'x4' LED TROFFER OR DIRECT/INDIRECT TYPE FIXTURE GRID, FLANGE OR SURFACE MOUNTED
A	2'x4' LED TROFFER OR DIRECT/INDIRECT TYPE FIXTURE GRID, FLANGE OR SURFACE MOUNTED
Α	2'x2' LED TROFFER OR DIRECT/INDIRECT TYPE FIXTURE GRID, FLANGE OR SURFACE MOUNTED
O-	OPEN STRIP FIXTURE
	WALL BRACKET LINEAR FIXTURE
<u> </u>	
_	□ RECESSED DOWNLIGHT CAN FIXTURE
A -C	
EX2	DOUBLE FACE EXIT SIGN, WALL AND CEILING MOUNTED
EX1	SINGLE FACE EXIT SIGN, WALL AND CEILING MOUNTED

EM () WALL MOUNTED EMERGENCY LIGHT

EMR P EMERGENCY EXTERIOR EGRESS FIXTURE



ECTRICAL DEVICE LEGEND				
<u> </u>	CEILING JUNCTION BOX - SURFACE/FLUSH			
$\bigcirc\!$	WALL JUNCTION BOX - SURFACE/FLUSH			
\ominus	DUPLEX RECEPTACLE			
\Box	FLOOR MOUNTED RECEPTACLE			
	SPLIT WIRED DUPLEX RECEPTACLE			
	CEILING MOUNTED DUPLEX RECEPTACLE			
	FLOOR MOUNTED FOURPLEX RECEPTACLE			
\rightleftharpoons	APPLIANCE RECEPTACLE - 3 WIRE			
\ominus	DUPLEX RECEPTACLE			
\bigoplus	FOURPLEX RECEPTACLE			
AC AC GF AC USB AF AF USB AF GF D D USB EM RE GF GF WP PL 72"	ARC FAULT PROTECTED ARC FAULT PROTECTED WITH USB PORT ARC FAULT WITH GROUND FAULT CIRCUIT INTERRUPTER DEDICATED RECEPTACLE DEDICATED RECEPTACLE WITH USB PORT RECEPTACLE CIRCUITED TO THE EMERGENCY PANEL WITH COVER PLATE GROUND FAULT CIRCUIT INTERRUPTER WEATHER PROOF GROUND FAULT CIRCUIT INTERRUPTER PLUG LOAD GENERAL PURPOSE WITH MOUNTING HEIGHT.			
D	ELECTRIC HAND DRYER			
T	THERMOSTAT			
	OPEN/CLOSE/STOP PUSH BUTTON			
$\langle \hat{1} \rangle$	DRAWING KEY NOTES			
ROOM 100	ROOM DESIGNATION			

RESPONSIBLE DIVISION:

UNLESS OTHERWISE INDICATED ALL HEATING, VENTILATING, AIR CONDITIONING, PLUMBING, AND OTHER MECHANICAL EQUIPMENT, MOTORS, AND CONTROLS SHALL BE FURNISHED, SET IN PLACE AND WIRED AS FOLLOWS: POWER CONTROL FURNISHED SET WIRED WIRED **EQUIPMENT** 23 23 26 COMBINATION MAGNETIC MOTOR STARTERS, MAGNETIC MOTOR STARTERS, VFD'S AND CONTACTORS 23(1) 26 26(2) 23 26 26 26 --

FUSED AND UNFUSED DISCONNECT SWITCHES, THERMAL OVERLOAD SWITCHES AND HEATERS, MANUAL MOTOR STARTERS MANUAL-OPERATING AND MULTI-SPEED SWITCHES 23 26 26 26 CONTROLS, RELAYS, TRANSFORMERS 23 23 26 23 THERMOSTATS (LOW VOLTAGE) AND TIME SWITCHES 26 THERMOSTATS (LINE VOLTAGE) 23 23 26 26 TEMPERATURE CONTROL PANELS 23 23 26 23 MOTOR AND SOLENOID VALVES, DAMPER MOTORS, PE & EP 23(2) 23(2) PUSH-BUTTON STATIONS 23(2) AND PILOT LIGHTS 23 23(2) --HEATING, COOLING,

1. MOTOR STARTER TO INCLUDE CONTROL TRANSFORMER, HOA SWITCH, (1) NO AND (1)NC AUXILIARY CONTACT, AND "ON" AND "OFF" PILOT LIGHTS.

2. IF ITEM IS FOR LINE VOLTAGE, SET IN PLACE AND CONNECT UNDER DIVISION 26. WHERE FACTORY MOUNTED ON EQUIPMENT OR ATTACHED TO PIPING OR DUCTS AND USING LINE VOLTAGE FURNISH AND SET UNDER DIVISION 23, CONNECT UNDER DIVISION 26.

23

DIFF DIFFERENTIAL

23 26

26

26

23

23(2)

HR HOUR

Bighorn Consulting Engineers, Inc. Mechanical & Electrical Engineers 386 Indian Road

Grand Junction, CO 81501 Phone: (970) 241-8709

SUBSTITUTIONS:

A. SUBSTITUTIONS: SUBSTITUTION OF SPECIFIED EQUIPMENT WILL BE ALLOWED THROUGH A PRIOR APPROVAL PROCESS INITIATED BY THE CONTRACTOR. CONTRACTOR SHALL SUBMIT INTENDED SUBSTITUTION AT LEAST FIVE DAYS PRIOR TO BID FOR APPROVAL FROM ENGINEER. SUBMITTAL SHALL INCLUDE CAPACITIES, DIMENSIONS AND OPERATING INSTRUCTIONS FOR EACH PIECE OF EQUIPMENT. SUBSTITUTION SHALL OCCUR AT NO COST TO THE OWNER. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF APPROVED SUBSTITUTION AND SHALL INCUR ALL COSTS ASSOCIATED WITH THE SUBSTITUTION INCLUDING STRUCTURAL MODIFICATIONS, SPACE LAYOUT AND REDESIGN COSTS. SEE ALSO DIVISION I GENERAL REQUIREMENTS.

EXAMINATION OF SITE, DRAWINGS, SPECIFICATIONS:

A. EXAMINE CAREFULLY THE SITE AND CONDITIONS OF THE SITE. PROVIDE ALL NECESSARY EQUIPMENT AND LABOR TO INSTALL A COMPLETE WORKING SYSTEM WITHIN THE SITE CONDITIONS.

B. EXAMINE THE DRAWINGS AND SPECIFICATIONS AND 5 DAYS PRIOR TO BIDDING REPORT ANY ERRORS, OMISSIONS, INCONSISTENCIES, AND CONFLICTS TO THE ENGINEER TO BE REMEDIED IN AN ADDENDUM TO THE PROJECT PRIOR

C. DRAWINGS ARE DIAGRAMMATIC AND CATALOG NUMBERS GIVEN ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CAPACITY OF THE EQUIPMENT MEETS THE DRAWING REQUIREMENTS AND SHALL NOT DIMENSION FROM THE MECHANICAL, PLUMBING, OR PIPING

D. THE LATEST ADOPTED VERSIONS OF THE INTERNATIONAL BUILDING CODES SHALL BE USED AS REQUIRED. THIS WILL ALSO INCLUDE THE LATEST ADOPTED VERSIONS OF THE MECHANICAL, PLUMBING AND ENERGY CONSERVATION CODES. ALL METHODS AND MATERIALS REQUIRED BY THESE CODES SHALL BE REQUIRED BY THESE SPECIFICATIONS UNLESS INDICATED OTHERWISE. OTHER APPLICABLE LOCAL CODES AND ORDINANCES SHALL BE AS REQUIRED AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF

E. WHERE INSTALLATION PROCEDURES OR ANY PART THEREOF ARE REQUIRED TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER OF THE MATERIAL BEING INSTALLED, PRINTED COPIES OF THESE RECOMMENDATIONS SHALL BE FURNISHED TO THE ENGINEER PRIOR TO INSTALLATION. INSTALLATION OF THE ITEM WILL NOT BE ALLOWED TO PROCEED UNTIL THE RECOMMENDATIONS ARE RECEIVED. FAILURE TO FURNISH THESE RECOMMENDATIONS CAN BE CAUSE FOR REJECTION OF THE MATERIAL.

PTAC PACKAGED TERMINAL AIR

RCP REFLECTED CEILING PLAN

RPM REVOLUTIONS PER MINUTE

SCA SHORT CIRCUIT AVAILABLE

SCCR SHORT CIRCUIT CURRENT

SEF SMOKE EXHAUST FAN

SPD SURGE PROTECTION DEVICE

TR TRANSFER GRILLE / REGISTER

TT TEMPERATURE TRANSMITTER

UNO UNLESS NOTED OTHERWISE

VAV VARIABLE AIR VOLUME UNIT

VFD VARIABLE FREQUENCY DRIVE

VRF VARIABLE REFRIGERANT FLOW

VTR VENT THROUGH ROOF

TTB TELECOMMUNICATIONS

SA SUPPLY AIR GRILLE / REGISTER

RA RETURN AIR GRILLE / REGISTER

PVC POLYVINYL CHLORIDE

RH RELATIVE HUMIDITY

RLA RATED LOAD AMPS

SC SHORT CIRCUIT

SD SMOKE DAMPER

SCH SCHEDULE

SF SUPPLY FAN

SH SENSIBLE HEAT

SHOWER

SP STATIC PRESSURE

SPEC SPECIFICATION

SS STAINLESS STEEL

SS SAFETY SHOWER

TEMP TEMPERATURE

TR TAMPER RESISTANT

TERMINAL BACKBOARD

UC UNDERCUT DOOR

UNOCC UNOCCUPIED

JH UNIT HEATER

VA VOLT AMPERE

TX TRANSFORMER

SQ SQUARE

STD STANDARD

STL STEEL

SYS SYSTEM

TYP TYPICAL

UR URINAL

V VOLTS

VA VALVE

VOLT VOLTAGE

W WATTS

W/ WITH

W/O WITHOUT

WB WET BULB

WC WATER COLUMN WC WATER CLOSET

WG WATER GAUGE

WP WEATHERPROOF

WSR WITHSTAND RATING

WPIU WEATHERPROOF IN-USE

CONDITIONER

PV PLUG VALVE

QTY QUANTITY

RD ROOF DRAIN

RF RETURN FAN

RHC REHEAT COIL

REQD REQUIRED

REL RELIEF

RM ROOM

MESA COUNTY SHERRIFF'S OFFICE - BOOKING AREA RENOVATION

Architecture

Interior Design

622 Rood Avenue

Project Management

970-242-1058 office

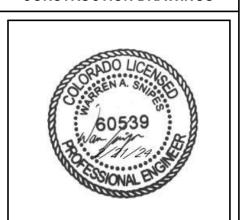
BLYTHE GROUP + co.

Grand Junction, CO 81501

215 RICE STREET **GRAND JUNCTION, CO** 81501

ELECTRICAL COVER SHEET

CONSTRUCTION DRAWINGS



REV. DESC.

DATE: 01/16/2024

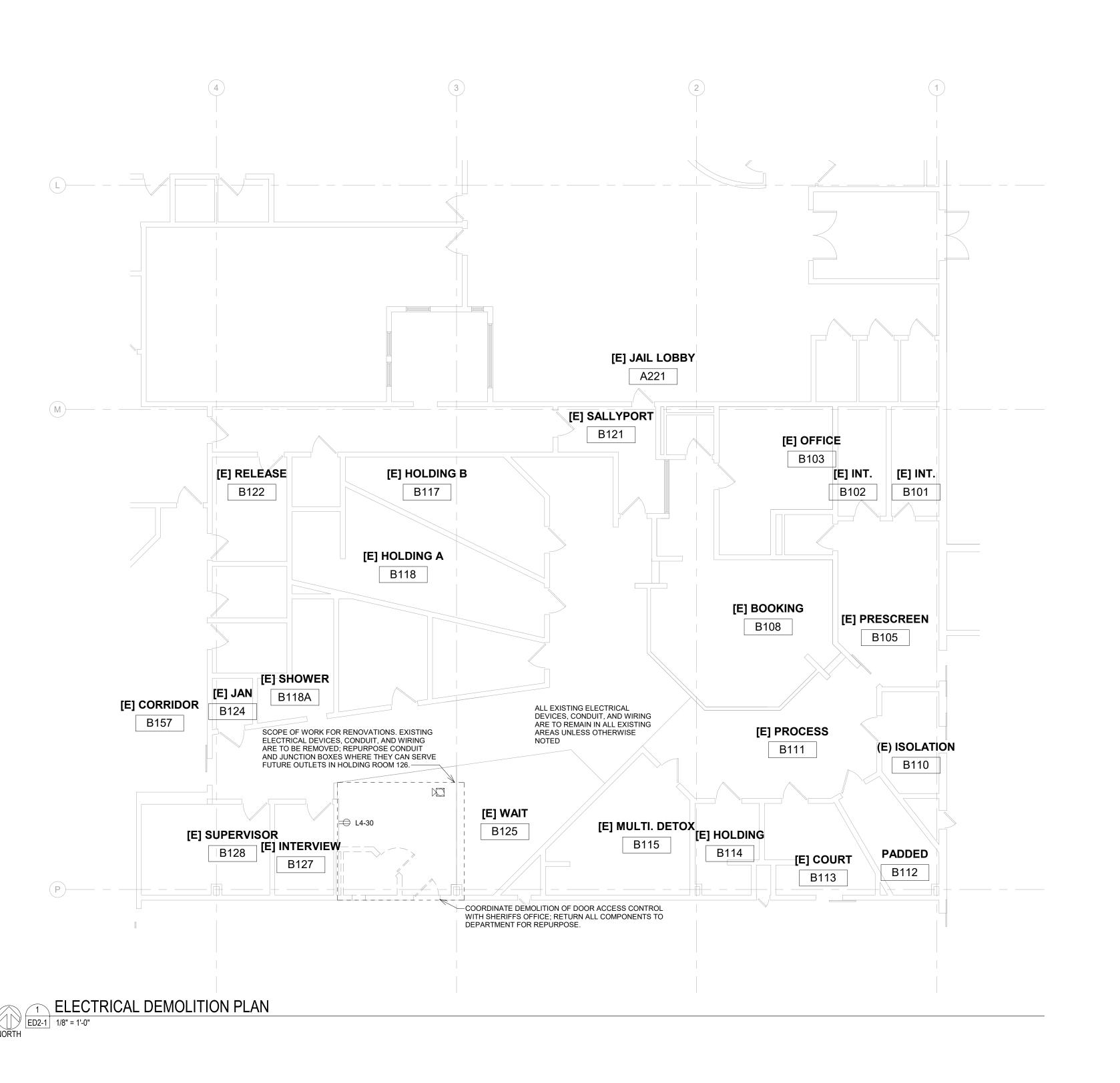
PROJECT #: 23185

E0-1

VENTILATION AND AIR CONDITIONING CONTROLS EXHAUST FAN SWITCHES **ABBREVIATIONS:** 44" MOUNTING HEIGHT ABOVE

FINISHED FLOOR TO CENTER OF DEVICE DISCH DISCHARGE HEIGHT HTR HEATER A AMPS DIV DIVISION HWR HEATING WATER RETURN A.D. ACCESS DOOR DN DOWN AAV AIR ADMITTANCE VALVE DS DUCT SILENCER HWS HEATING WATER SUPPLY ABV ABOVE DWG DRAWING HX HEAT EXCHANGER AC AIR CONDITIONING UNIT DX DIRECT EXPANSION AC ABOVE COUNTER INSIDE DIAMETER EXISTING EÁ EXHAUST AIR GRILLE/REGISTER AREA DRAIN (SEE SYMBOLS) ISOLATED GROUND FAT ENTERING AIR TEMPERATURE A.F.C. ABOVE FINISHED CEILING INCHES A.F.G. ABOVE FINISHED GRADE ELECTRICAL CONTRACTOR INV INVERT AIC AMPS INTERRUPTING CAPACITY JBOX JUNCTION BOX A.F.F. ABOVE FINISHED FLOOR EF EXHAUST FAN K KELVIN KW KILOWATT AHU AIR HANDLING UNIT EFF EFFICIENCY ALUM ALUMINUM FI EVATION KVA KILO VOLT - AMPS AP ACCESS PANEL OR DOOR ELEC ELECTRIC LENGTH LAT LEAVING AIR TEMPERATURE ATS AUTOMATIC TRANSFER SWITCH ELEV ELEVATOR AV AUDIO / VIDEO EM EMERGENCY FUNCTION LV LAVATORY AVG AVERAGE ENT ENTERING POUND EMT ELECTRIC METALLIC TUBE AWG AMERICAN WIRE GAGE LINEAR DIFFUSER BAS BUILDING AUTOMATION SYSTEM EQ EQUAL LF LINEAR FEET BB BASEBOARD EQUIP EQUIPMENT LIN LINEAR BACK DRAFT DAMPER EQUIV EQUIVALENT LIQ LIQUID BFP BACK FLOW PREVENTOR ES END SWITCH LM LUMEN ESP EXTERNAL STATIC PRESSURE LRA LOCKED ROTOR AMPS BL BOILER BLDG BUILDING FT FXPANSION TANK LV LOUVER EWC ELECTRIC WATER COOLER BLW BELOW LVG LEAVING BOB BOTTOM OF BEAM EWT ENTERING WATER LWT LEAVING WATER TEMPERATURE MBH THOUSANDS OF BTU PER HOUR BOD BOTTOM OF DUCT TEMPERATURE MC MECHANICAL CONTRACTOR BOP BOTTOM OF PIPE EX EXHAUST EXPAN EXPANSION BSMT BASEMENT MCA MINIMUM CIRCUIT BTU BRITISH THERMAL UNIT FXT FXTFRNAI AMPACITY C CHILLER DEGREES FAHRENHEIT MCB MAIN CIRCUIT BREAKER CAP CAPACITY FREE AREA MD MOTORIZED DAMPER CB CIRCUIT BREAKER FAN COIL UNIT MDP MAIN DISTRIBUTION PANEL CBV CIRCUIT BALANCING VALVE FOOTCANDLE MED MEDIUM FCV FLOW CONTROL VALVE CCT CORRELATED COLOR MFR MANUFACTURER FD FIRE DAMPER TEMPERATURE MIN MINIMUM CKT CIRCUIT FD FLOOR DRAIN MISC MISCELLANEOUS CFH CUBIC FEET PER HOUR FIN FINISHED MLO MAIN LUG ONLY FLA FULL LOAD AMPS MOCP MAXIMUM OVERCURRENT CFM CUBIC FEET PER MINUTE FLEX FLEXIBLE CHWR CHILLED WATER RETURN PROTECTION CHWS CHILLED WATER SUPPLY FLR FLOOR MTD MOUNTED CI CAST IRON FOB FLAT ON BOTTOM MUA MAKE-UP AIR UNIT CL CENTER LINE FOT FLAT ON TOP N NEUTRAL FP FIRE PROTECTION NORMALLY CLOSED CMU CONCRETE MASONRY UNIT FP FIRE PUMP NEG NEGATIVE CO CLEAN OUT FPM FEET PER MINUTE NIC NOT IN CONTRACT FPS FEET PER SECOND COL COLUMN NL NIGHT / SECURITY LIGHT - DO COMP COMPRESSOR FS FLOW SWITCH NOT SWITCH CONC CONCRETE FSD FIRE/SMOKE DAMPER NO NORMALLY OPEN COND CONDENSATE FT FEET NOM NOMINAL FXC FLEXIBLE CONNECTION NTS NOT TO SCALE CONN CONNECTION GND GROUND OA OUTSIDE AIR CONT CONTINUATION OBD OPPOSED BLADE DAMPER CONTR CONTRACTOR GA GAUGE CRI COLOR RENDERING INDEX GAL GALLON OC ON CENTER CT COOLING TOWER GALV GALVANIZED OCC OCCUPIED CURRENT TRANSFORMER GEC GROUND ELECTRODE OCP OVER CURRENT PROTECTION CU CONDENSING UNIT CONDUCTOR OUTSIDE DIAMETER GFCI / GFI GROUND FAULT CIRCUIT OL OVERLOAD CU COPPER CUH CABINET UNIT HEATER INTERRUPTER ORD OVERFLOW ROOF DRAIN CVB CONSTANT VOLUME BOX GC GENERAL CONTRACTOR OZ OUNCE CWR CONDENSER WATER RETURN GPH GALLONS PER HOUR PBD PARALLEL BLADE DAMPER CWS CONDENSER WATER SUPPLY GPM GALLONS PER MINUTE PD PRESSURE DROP GRS/LB GRAINS PER POUND DB DRY BULB PH PHASE POS POSITIVE PRESSURE DEPT DEPARTMENT H 2O WATER DF DRINKING FOUNTAIN HB HOSE BIBB POS POINT OF SALES DIA DIAMETER HD HEAD (SEE SCHEDULES) PRV PRESSURE REDUCING VALVE DIAG DIAGRAM HP HEAT PUMP PS PRESSURE SWITCH PSI POUNDS PER SQUARE INCH HP HORSEPOWER PRESSURE TRANSMITTER

XFMR TRANSFORMER **ELECTRICAL SHEET LIST** Sheet Number Sheet Name E0-1 ELECTRICAL COVER SHEET LIGHTING PLANS E1-3 LIGHTING - DETAILS E2-1 POWER PLANS POWER DEMOLITION PLANS



BG+co.

Architecture
Interior Design
Project Management
622 Rood Avenue
Grand Junction, CO 81501
970-242-1058 office

BLYTHE GROUP + co.

MESA COUNTY SHERRIFF'S OFFICE - BOOKING AREA RENOVATION

215 RICE STREET GRAND JUNCTION, CO 81501

POWER DEMOLITION PLANS

CONSTRUCTION DRAWINGS



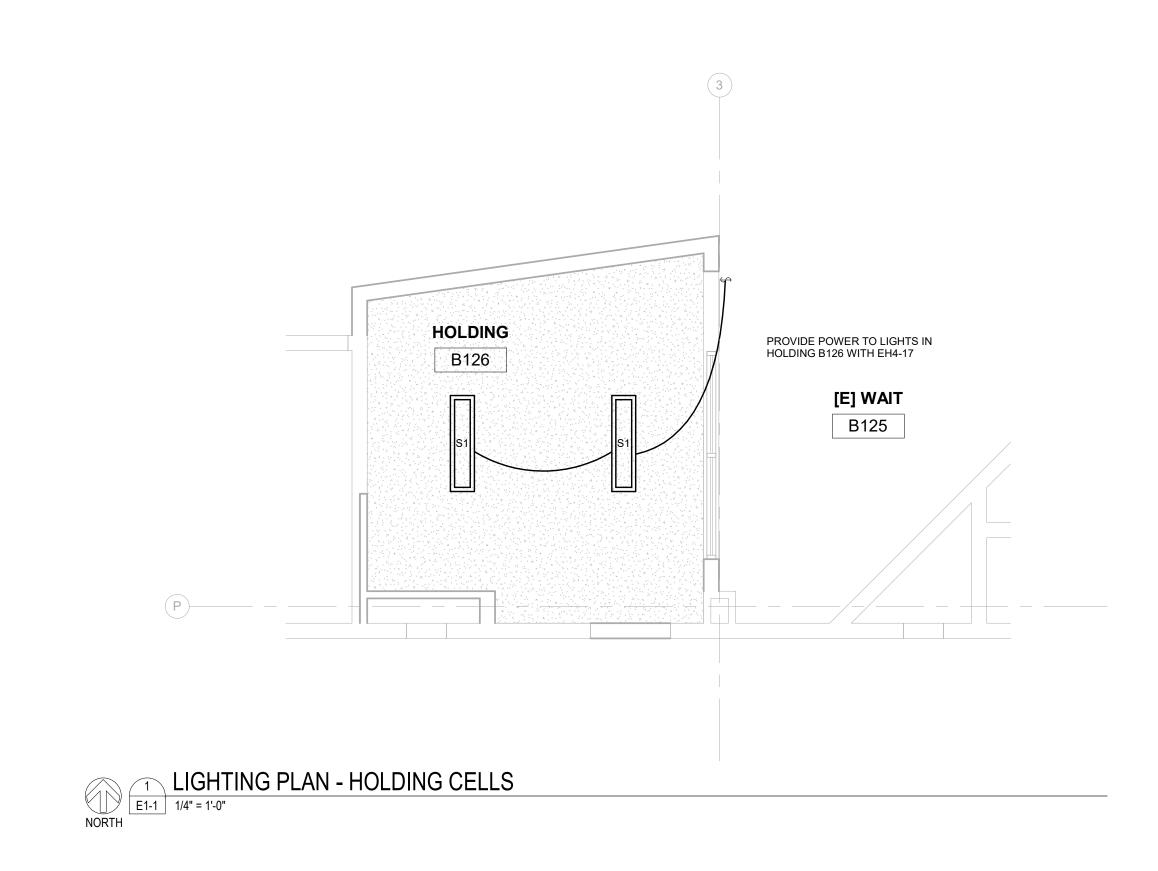
REV. DESC. D

DATE: 01/16/2024

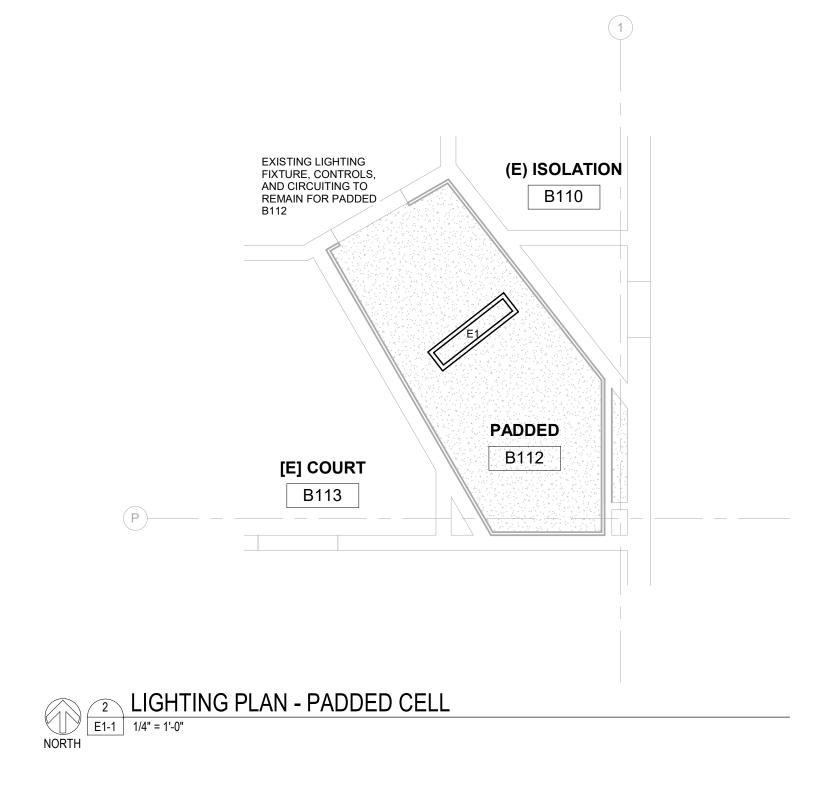
PROJECT #: 23185

ED2-1

Fruject Team.
Print Date: 2/21/2024 3:15:04 PM



	LIGHTING FIXTURE SCHEDULE				
TYPE MARK	MANUFACTURER	MODEL	LAMP	DESCRIPTION	
E1	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN	1'X4' CONFINEMENT/CORRECTIONAL LIGHT FIXTURE, VERIFY OPERATION IN FIELD.	
S1	FAIL-SAFE	FMS-S12-4-LD4-1STD-30-277-80/84-EDC1		1'X4' LED CONFINEMENT/CORRECTIONAL SURFACE-MOUNT LED FIXTURE, APPLICATION FOR CONFINEMENT AND INMATE CELLS, 0.125 PRISMATIC ACRYLIC INNER LENS, 0.125 CLEAR POLYCARBONATE OUTER LENS, DIE-FORMED 12-GAUGE CRS BODY CONSTRUCTION, MAXIMUM IMPACT RESISTANCE AND PREVENTION OF UNAUTHORIZED FIXTURE PENETRATION, WHITE POWDER COAT FINISH.	



Architecture Interior Design Project Management 622 Rood Avenue Grand Junction, CO 81501 970-242-1058 office

BLYTHE GROUP + co.

MESA COUNTY SHERRIFF'S OFFICE - BOOKING AREA RENOVATION

215 RICE STREET GRAND JUNCTION, CO 81501

LIGHTING PLANS

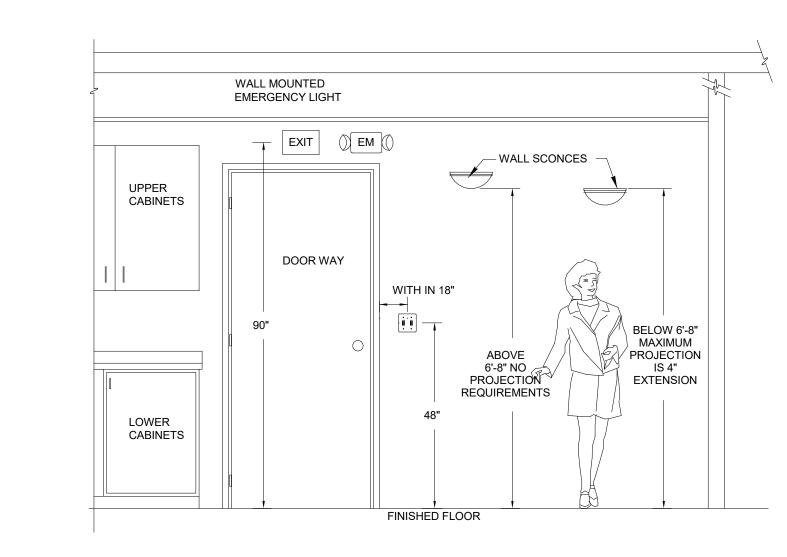
CONSTRUCTION DRAWINGS



DATE: 01/16/2024

PROJECT #: 23185

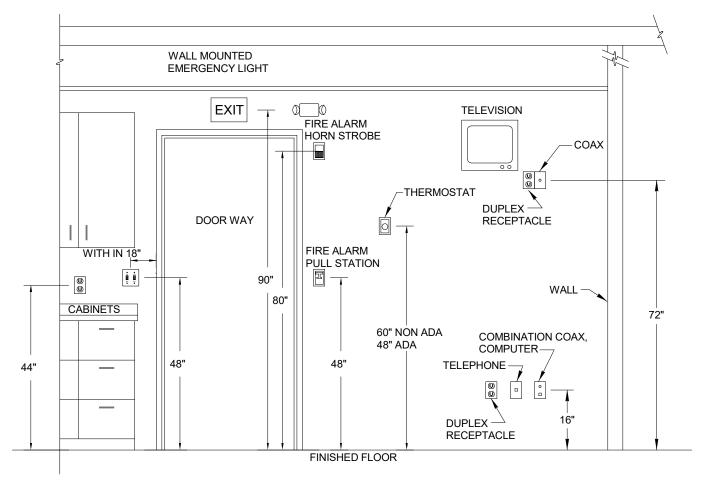
E1-1



LIGHTING DEVICE MOUNTING HEIGHT DETAIL

NOT TO SCALE

- <u>DETAIL NOTES:</u>
 1. ALL DEVICES SHOWN ON THIS DETAIL ARE FOR REFERENCES OF MOUNTING HEIGHTS ONLY. THE ELECTRICAL CONTRACTOR SHALL FIELD ADJUST THE HEIGHTS AND LOCATIONS OF THE DEVICES AS REQUIRED FOR PROPER MOUNTING.
- 2. ALL DEVICES REQUIRED FOR THIS PROJECT MAY NOT APPEAR ON THIS DETAIL. ALL ITEMS SHOWN ON THIS DETAIL MAY NOT BE REQUIRED FOR THIS PROJECT.
- 3. THE AMERICANS WITH DISABILITIES ACT, KNOWN AS ADA, AFFECTS LIGHT FIXTURES USED IN CIRCULATION OR EGRESS SPACES. IN PRACTICE THIS MEANS THAT WALL MOUNTED FIXTURES LOCATED BELOW 6'-8" AFF IN HALLS, CORRIDORS, PASSAGEWAYS OR AISLES, MUST BE NO GREATER THAN 4" DEEP. THE ADA AFFECTS CONSTRUCTION FOR BOTH NEW AND EXISTING BUILDINGS.



DEVICE MOUNTING HEIGHT DETAIL

NOT TO SCALE

NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL TELEVISION OUTLETS WITH THE ARCHITECT PRIOR TO INSTALLATION.

2. ALL DEVICES SHOWN ON THIS DETAIL ARE FOR REFERENCES OF MOUNTING HEIGHTS ONLY. THE

ELECTRICAL CONTRACTOR SHALL FIELD ADJUST THE HEIGHTS OF THE DEVICES AS REQUIRED FOR

PROPER MOUNTING OF THE DEVICES.

3. ALL DEVICES REQUIRED FOR THIS PROJECT MAY NOT APPEAR ON THIS DETAIL. ALL ITEMS SHOWN ON THIS DETAIL MAY NOT BE REQUIRED FOR THIS PROJECT.

Interior Design Project Management 622 Rood Avenue Grand Junction, CO 81501 970-242-1058 office

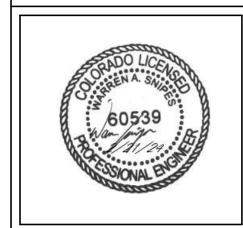
BLYTHE GROUP + co.

MESA COUNTY SHERRIFF'S OFFICE - BOOKING AREA RENOVATION

215 RICE STREET **GRAND JUNCTION, CO** 81501

LIGHTING - DETAILS

CONSTRUCTION DRAWINGS

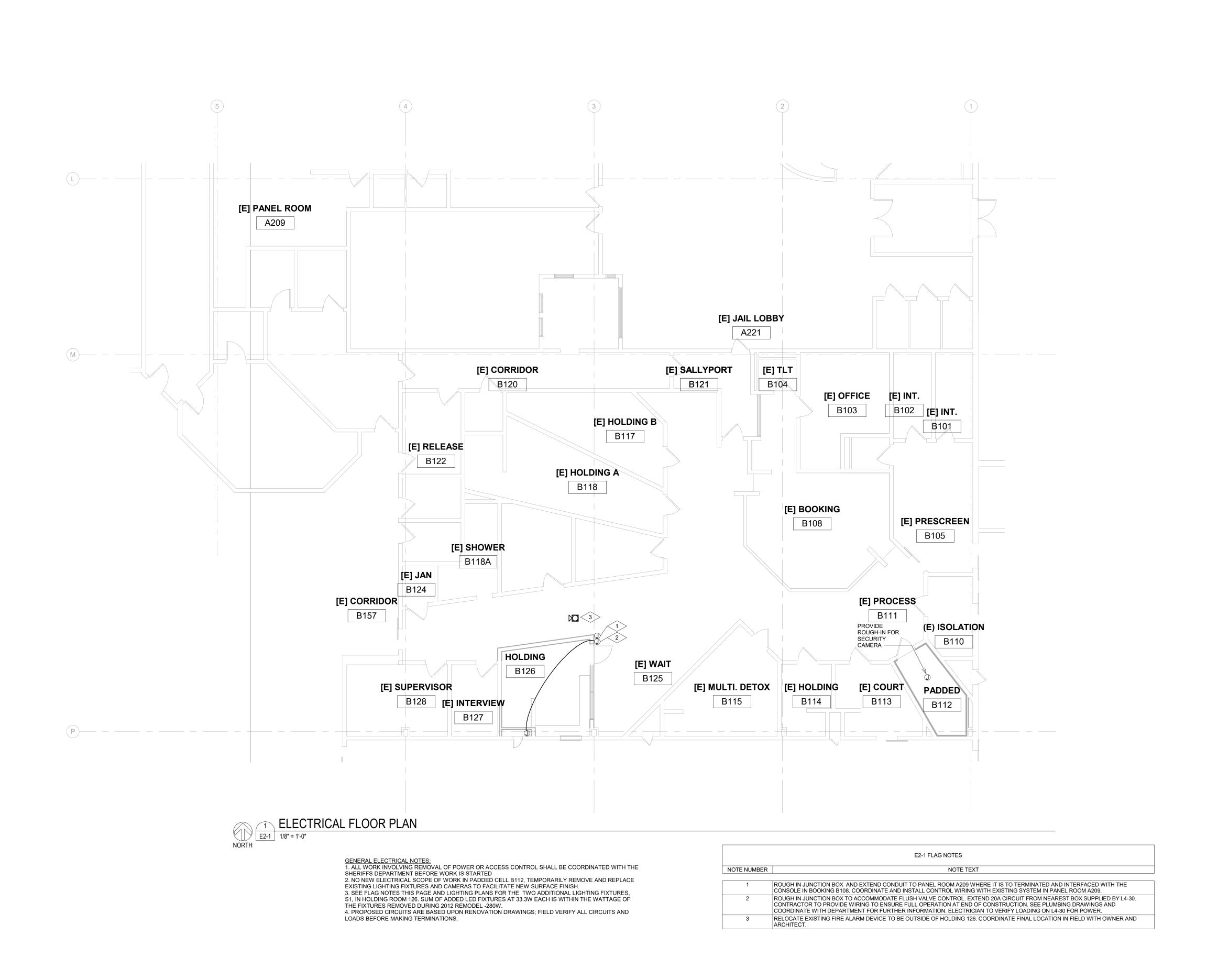


REV. DESC.

DATE: 01/16/2024

PROJECT #: 23185

E1-3



BG+co.

Architecture Interior Design Project Management

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

BLYTHE GROUP + co.

MESA COUNTY SHERRIFF'S OFFICE - BOOKING AREA RENOVATION

215 RICE STREET GRAND JUNCTION, CO 81501

POWER PLANS

CONSTRUCTION DRAWINGS



EV DESC

DATE: 01/16/2024

PROJECT #: 23185

E2-1