

# CDOT OFFICE RENOVATION

## STATE PROJECT IH-18010 COLORADO STATE SERVICES BUILDING

BG+co. PROJECT # 1809 222 SOUTH 6TH STREET GRAND JUNCTION, CO 81501

11/15/19 95% CONSTRUCTION DOCUMENTS

11/27/19 FOR CONSTRUCTION



**GENERAL** 

Engineers, Inc. Mechanical & Electrical Engineers 386 Indian Road Grand Junction, CO 81501 phone: 970-241-8709,

## FOR CONSTRUCTION

#### STATEMENT OF SPECIAL INSPECTIONS SEISMIC RESISTANCE (2018 IBC 1705.12) (No work of this type) COLD FORMED STEEL LIGHT - FRAME CONSTRUCTION (2018 IBC 1705.12.3) (No work of this type) Screw attachment, bolting anchoring and other attachments within the main windforce Erection and fastening of exterior cladding Interior or exterior non-bearing walls Access floor anchorage Requirement I Anchorage of electrical equipment for emergency or standby power systems Anchorage of other electrical equipment Installation and anchorage of piping systems designed to carry hazardous materials and their Installation and anchorage of ductwork <u>designed to carry hazardous materials</u> Installation and anchorage of vibration isolation Fabrication and installation of isolator units STRUCTURAL WOOD (2018 IBC 1705.11.1) (No work of this type) <u>∕and energy dissipation devices</u> DESIGNATED SEISMIC SYSTEMS (2018 IBC 1705.13.3) (No work of this type) Includes wood shear walls, wood diaphragms, drag struts, braces SPRAYED FIRE RESISTANT MATERIALS (2018 IBC 1705.14) (No work of this type) N/A Elements of the main windforce-resisting system. Condition of substrates Includes wood shear walls, wood diaphragms, drag struts, braces Thickness of application. and hold-downs. Density in pounds per cubic foot (kg/m3)\_ Bond strength adhesion/cohesion MASTIC AND INTUMESCENT FIRE RESISTANT COATINGS. (2018 IBC 1705.15) (No work of this type) EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) (2018 IBC 1705.16) WATER RESISTIVE BARRIER COATING (EIFS) (2018 IBC 1705.16.1) STRUCTURAL STEEL (2018 IBC 1705.12.1) (No work of this type)

### **INDEX TO DRAWINGS**

GENERAL INFORMATION SHEETS T1 TITLE SHEET

ARCHITECTURAL A01 LIFE SAFETY PLAN

> AD1 DEMOLITION PLANS FLOOR PLANS - RENOVATION

INTERIOR ELEVATIONS AND SCHEDULES A3 REFLECTED CEILING PLANS

MECHANICAL SHEETS

M1-1 MECHANICAL - TITLE SHEET

M1-2 MECHANICAL - DEMOLITION PLAN M1-3 MECHANICAL - FLOOR PLAN

#### ELECTRICAL SHEETS

DISCLAIMER

CONSTRUCTION DOCUMENTS WI

OWNER. ARCHITECT HAS PERFO FOR ITS ACCURACY. CONTRACT ARCHITECT AND OWNER OF DIS

**ABBREVIATIONS** 

- ED2-1 ELECTRICAL DEMOLITION PLAN
- E1-1 LIGHTING FLOOR PLAN E2-1 ELECTRICAL - FLOOR PLAN E2-2 ELECTRICAL SPECIFICATIONS

**CDOT OFFICE RENOVATION** 

Interior Design

622 Rood Avenue

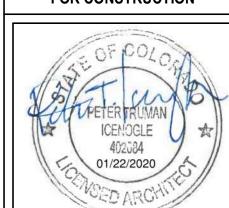
970-242-1058 office

BLYTHE GROUP + co.

**Project Management** 

**Grand Junction, CO 81501** 

222 SOUTH 6TH STREET **GRAND JUNCTION, CO 81503** 



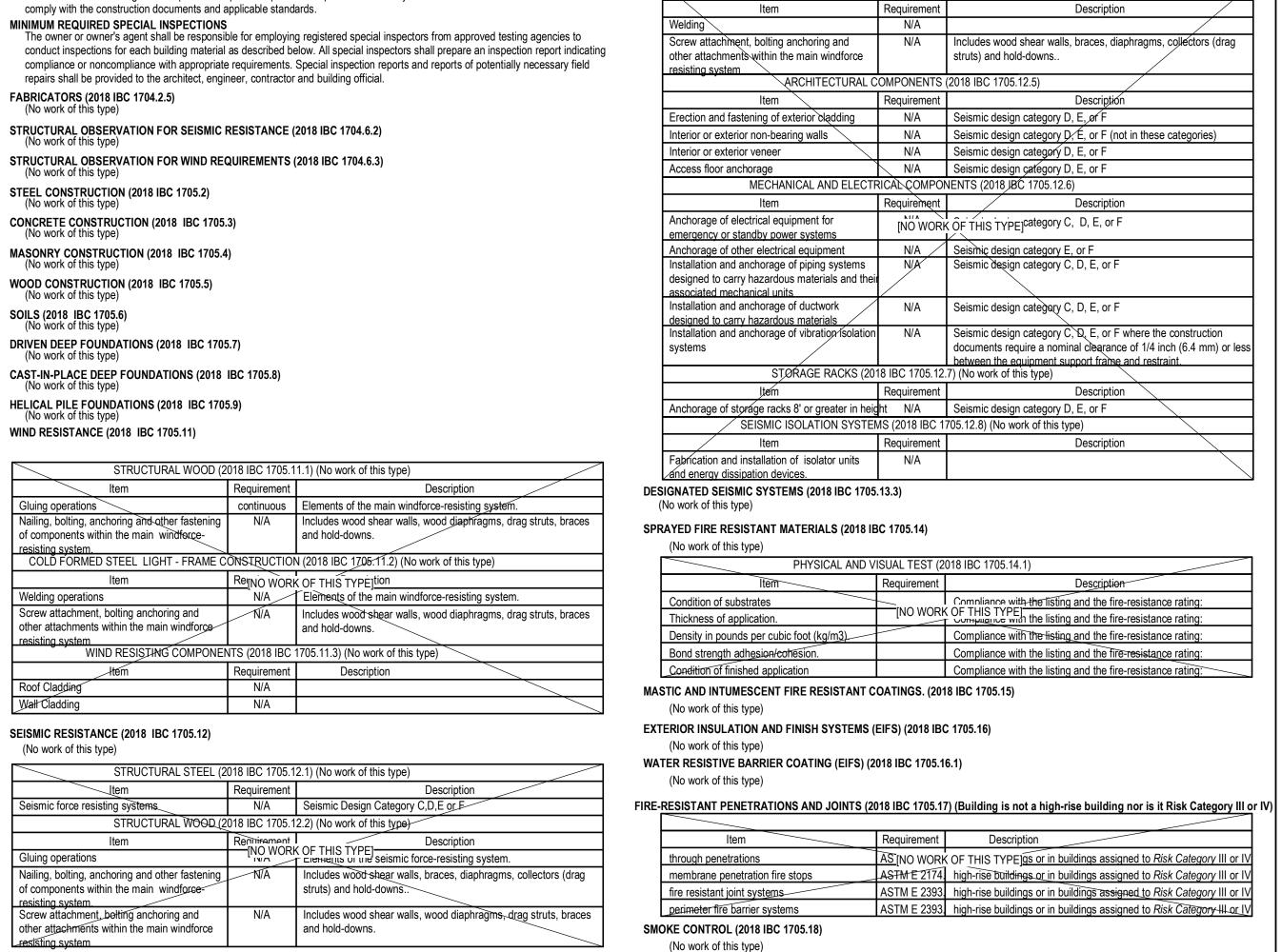
MATERIALS L	EGEND	SYMBOLS LEGEND	
	EXISTING CONSTRUCTION	ROOM NUMBER (PLAN AND SECTION)	ROOM NAME A202A
	ASPHALT PAVING (SECTION)	DOOR NUMBER (MATCHES ROOM NO., WITH LETTER	D220A
	EARTH (PLAN & SECTION)	SUFFIX FOR MULTIPLE DOORS) (PLAN) WALL TYPE (PLAN)	27
	GRANULAR FILL (SECTION)	NEW COLUMN GRID LINE (PLAN, SECTION, DETAIL OR ELEVATION)	0 — —
	STRUCTURAL FILL (SECTION)	EXISTING COLUMN GRIDLINE (PLAN, SECTION, DETAIL OR ELEVATION)	0
	SAND (SECTION)	KEY NOTE	?
74 74 74 74	CONCRETE (PLAN & SECTION)	WINDOW / FRAME TYPE	27
	BRICK VENEER (SECTION)	SECTION PAGE REFERENCE (PLAN, SECTION, DETAIL OR ELEVATION)	1 VIEW NAME A1-1 1/8" = 1'-0"
	CONCRETE MASONRY UNITS (CMU) (PLAN & SECTION)	BUILDING SECTION INDICATOR REFERENCE	ELEVATION OR DETAIL NUMBER  SHEET THAT  POINTS IN DIRECTION OF DETAIL  POINTS IN DIRECTION OF DETAIL
	PRECAST CONCRETE (SECTION)	(PLAN, SECTION, OR ELEVATION)	DETALIS ON POINTS IN
	MORTAR NET (SECTION)	WALL SECTION INDICATOR REFERENCE (PLAN, SECTION, OR ELEVATION)	DETAL NUMBER 00 STIVI OF DETAL  SHEET THAT DETAL IS ON
	STEEL (SECTION)	ELEVATION VIEW REFERENCE	20 A4-1 20 1 A101 1
	WOOD BLOCKING (CONTINUOUS) (SECTION)		SHEET THAT ELEVATION IS ON 1  EXTERIOR ELEVATION INTERIOR ELEVATION
	WOOD BLOCKING (INTERMITTENT) (SECTION)	ELEVATION INDICATOR REFERENCE (SECTION, & ELEVATION)	Name Elevation
	WOOD SHEATHING	DIMENSION LINES	1"
	WOOD (FINISH) (SECTION & ELEVATION)	NEW CONTOUR	
	INSULATION (FIBROUS) (PLAN & SECTION)	EXISTING CONTOUR	####'
	INSULATION (RIGID) (PLAN & SECTION)	HIDDEN LINE (PLAN, SECTION, DETAIL OR ELEVATION) OVERHEAD OBJECT	
	STUCCO (SECTION)	(PLAN) CENTER LINE	
	STUCCO (ELEVATION)	(PLAN, SECTION, DETAIL OR ELEVATION) MATCH LINE (PLAN, SECTION, DETAIL OR	
	GYPSUM WALL BOARD (GWB) (REFLECTED CEILING PLAN)	ELEVATION)  LIMITS OF CONSTRUCTION  (PLAN, SECTION, DETAIL OR	

(PLAN, SECTION, DETAIL OR

ELEVATION)

DEMOLISHED ITEMS

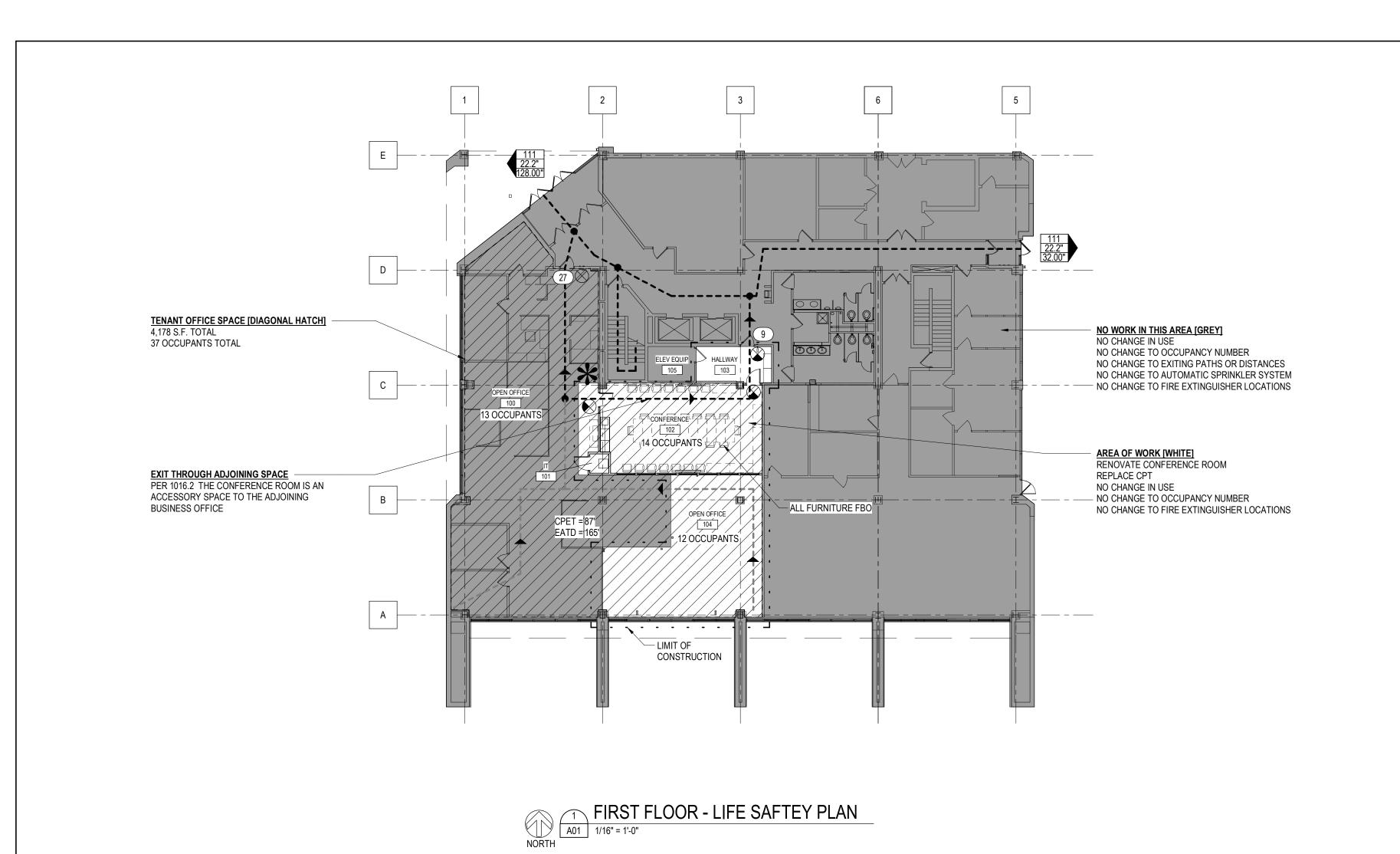
(PLAN OR DETAIL)



				GRAND JUNCTION
ARCHITEC <sup>*</sup>	CUMENTS WERE PREPARED WITH DRAWINGS O T HAS PERFORMED VISUAL VERIFICATION OF O . CONTRACTOR SHALL VERIFY ALL DIMENSIONS	WNER PRO	VIDED INFORMATION AND IS NOT LIABLE	
	NER OF DISCREPANCIES PRIOR TO CONSTRUC		DNS, CONSTRUCTION, ETC. AND INFORM	
EVIAT	TONS			
ADD-X AFF	ADDENDUM NO. X ABOVE FINISH FLOOR	INT JT	INTERIOR JOINT	TITLE S
AHU	AIR HANDLING UNIT	L	LONG / LENGTH	IIILE
AL ALT	ALUMINUM ALTERNATE	LAV LLH	LAVATORY LONG LEG HORIZONTAL	
ALT-X	ALTERNATE NO. X	LLV	LONG LEG VERTICAL	
AM AM-X	ACOUSTIC MATERIAL ACOUSTIC MATERIAL TYPE X	MAS MATL	MASONRY MATERIAL	
ARCH	ARCHITECT / ARCHITECTURAL	MAX	MAXIMUM	
	ATTENUATION	MECH	MECHANICAL	
AVE AVG	AVENUE AVERAGE	MFR MIN	MANUFACTURER MINIMUM	
B.O.	BOTTOM OF	MISC	MISCELLANEOUS	
BIT BLDG	BITUMINOUS BUILDING	MO MTD	MASONRY OPENING MOUNTED	
BLKG	BLOCKING	MTL	METAL	
C/L	CENTER LINE	NA	NOT APPLICABLE	FOR CONST
CEM CJ	CEMENT / CEMENTITIOUS CONTROL JOINT	NIC NO.	NOT IN CONTRACT NUMBER	
CLG	CEILING	NRC	NOISE REDUCTION COEFFICIENT	1 5 OF 10
CLR CMU	CLEAR CONCRETE MASONRY UNIT(S)	NTS OC	NOT TO SCALE ON CENTER	1/30
CONC	CONCRETE	OD	OUTSIDE DIAMETER	N 24/-
CONT	CONTINUOUS	OPNG	OPENING OPPOSITE	ACT CPETER TO
CPT CT	CARPET CERAMIC TILE	OPP PERF	OPPOSITE PERFORATED	ICENO
CTR	CENTER	PLAM	PLASTIC LAMINATE	4020
D DBL	DEEP / DEPTH DOUBLE	PLBG PLYWD	PLYWOOD	01/22/2
DEMO	DEMOLISH / DEMOLITION	PNT	PAINT	ENOED A
DEPT DF	DEPARTMENT DEPARTMENT	PREFAB	PREFABRICATED	1
DF DIA / Ø	DIAMETER	PREFIN	PREFINISHED PORCELAIN TILE	
DIM(S)	DEEP / DEP IN DOUBLE DEMOLISH / DEMOLITION DEPARTMENT DRINKING FOUNTAIN DIAMETER DIMENSION(S) DOWN DETAIL DISHWASHER DRAWING EACH EXPANSION JOINT ELEVATION ELECTRICAL EQUAL EQUIPMENT ELECTRIC WATER COOLER EXISTING EXTERIOR FACE OF FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM CONTROL PANEL FURNISHED BY OWNER FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET	QT	QUARRY TILE	REV. DESC.
DN DTL	DOWN DETAIL	QTY R	QUANTITY RADIUS	THEY. BEGG.
DW	DISHWASHER	RB	RUBBER BASE	
DWG EA	DRAWING	RCP REF	REFLECTED CEILING PLAN REFERENCE / REFER TO	
EJ	EXPANSION JOINT	REFR	REFRIGERATOR	
EL	ELEVATION	REINF	REINFORCE (D) (ING)	
ELEC EQ	ELECTRICAL FOLIAL	REQD RES	REQUIRED RESILIENT	
EQUIP	EQUIPMENT	RFS	ROOM FINISH SCHEDULE	
EWC EXIST	ELECTRIC WATER COOLER	RO ROW	ROUGH OPENING RIGHT OF WAY	
EXIT	EXTERIOR	RTU	ROOF TOP UNIT	
F.O.	FACE OF	SC	SEALED CONCRETE	
FAAP FACP	FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM CONTROL PANEL	SECT	SCHEDULE (D) SECTION	
FBO	FURNISHED BY OWNER	SF	SQUARE FEET	
FD FDN	FLOOR DRAIN FOUNDATION	SIM SPEC	SIMILAR SPECIFICATION	
FE	FIRE EXTINGUISHER	SQ	SQUARE	
FEC	FIRE EXTINGUISHER CABINET	SS	STAINLESS STEEL	
FF FTG	FOOTING	SSM STL	SOLID SURFACE MATERIAL STEEL	
FURN	FURNISHING / FURNITURE	STN	STAIN	
GA GALV	GAGE GALVANIZED	STRUCT T&G	STRUCTURAL TONGUE & GROOVE	
GL	GLAZING	T.O.	TOP OF	
GL-X GWB	GLAZING TYPE X	TEMP TV	TEMPORARY	DATE: 11/27/
H	HIGH / HEIGHT	TYP	TELEVISION TYPICAL	
HC	HANDICAPPED	UNO	UNLESS NOTED OTHERWISE	PROJECT #: 1809
HDW HDWD	FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISHED FLOOR FOOTING FURNISHING / FURNITURE GAGE GALVANIZED GLAZING GLAZING GLAZING TYPE X GYPSUM WALL BOARD HIGH / HEIGHT HANDICAPPED HARDWARE HARDWOOD HOLLOW METAL HORIZONTAL	VCT VERT	VINYL COMPOSITION TILE VERTICAL	SHEET#:
HM	HOLLOW METAL	VIF	VERIFY IN FIELD	- ΟΠΕΕΙ <b>π</b> .
HORIZ HVAC	HORIZONTAL HEATING VENTILATING & AIR CONDITIONING	VWC W	VINYL WALL COVERING WIDE / WIDTH	
ID	INSIDE DIAMETER	W/	WITH	T <sup>4</sup>
ILLUM	ILLUMINATED	W/O	WITHOUT	
INCL INSUL	INCLUDED INSULATION	WD WOM	WOOD WALK OFF MATT	

NOTE: SOME MATERIALS SHOWN MAY

NOT BE USED ON THIS PROJECT.



BUILDING CODE ANALYSIS
CODE JURISDICTION:  2018 IBC  2018IMC  2018IPC  2018IFC  2018IFGC  2018IEGC  2018IEGC  2018IEBC  2017NEC  2017ICC A117.1
PROJECT INVOLVES RENOVATION TO INTERIOR CONFERENCE ROOM ONLY
OCCUPANCY: B: BUSINESS [EXIST OCCUPANCY UNCHANGED]
OCCUPANT LOADS:  B = BUSINESS = 333 OCCUPANTS [EXIST OCCUPANT LOADS UNCHANGED]
CONSTRUCTION TYPE: CONSTRUCTION TYPICAL OF TYPE: 2B [EXIST CONSTRUCTION TYPE UNCHANGED]
AUTOMATIC SPRINKLER SYSTEM: PROVIDED [EXIST SPRINKLER SYSTEM UNCHANGED]
BUILDING AREA:  ACTUAL TOTAL BUILDING: 49,855 SF [EXIST BUILDING AREA UNCHANGED]
BUILDING HEIGHT: NO WORK DONE TO EXTERIOR OF BUILDING
FIRE RESISTANCE RATING REQUIREMENTS:  (FOR TYPE 2b CONSTRUCTION) [IBC TABLE 601]  STRUCTURAL FRAME: 0 HRS  BEARING WALLS, EXTERIOR: 0 HRS  BEARING WALLS, INTERIOR: 0 HRS  NON-BEARING WALLS, EXTERIOR: 0 HRS*  *1 HR IF < 10 FT FIRE SEPARATION DISTANCE [IBC TABLE 602]  NON-BEARING WALLS, INTERIOR: 0 HRS  FLOOR CONSTRUCTION: 0 HRS  ROOF CONSTRUCTION: 0 HRS
EXIT TRAVEL DISTANCE: EXIT TRAVEL DISTANCES AND ROUTES UNCHANGED
FOR B OCCUPANCY:  COMMON PATH OF EGRESS TRAVEL: 100 FT WITH SPRINKLER SYSTEM, IBC TABLE 1006.2.1  EXIT ACCESS TRAVEL DISTANCE: 300 FT WITH SPRINKLER SYSTEM, IBC TABLE 1017.2
PLUMBING FIXTURE COUNT: NO WORK DONE TO PLUMBING FIXTURES OF BUILDING
WC'S LAV DF SS
REQ'D   PROV   PROV



Project Management
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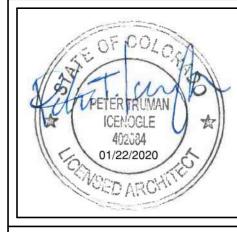
BLYTHE GROUP + co.

**CDOT OFFICE RENOVATION** 

222 SOUTH 6TH STREET GRAND JUNCTION, CO 81503

LIFE SAFETY PLAN

FOR CONSTRUCTION



REV. DESC. DA

DATE: 11/27/19

OUEET#

PROJECT #: 1809

**A01** 

LIFE SAFETY PLAN LEGEND 1 HR FIRE SEPARATION 2 HR FIRE SEPARATION CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE OCCUPANCY GROUP BOUNDARY CONTINUATION OF EGRESS PATH — -----EGRESS ROUTE COMMON PATH OF EGRESS — MATCH LINE LIMIT OF CONSTRUCTION - - - - - - -EXIT LOAD EXISTING FIRE EXTINGUISHER EXIT ARROW EMERGENCY EXIT LIGHT EXIST EMERGENCY EXIT LIGHT EXIT LOAD ——— REQUIRED WIDTH (INCHES) -ACTUAL WIDTH (INCHES) —►CPET = 30' COMMON PATH OF — EATD = 132' EGRESS TRAVEL EXIT ACCESS -TRAVEL DISTANCE \_\_\_ OCCUPANT — OCCUPANT **FACTOR** 

NOTE: SOME SYMBOLS SHOWN MAY NOT BE USED ON THIS

TOTALS M / W



Project Team:

