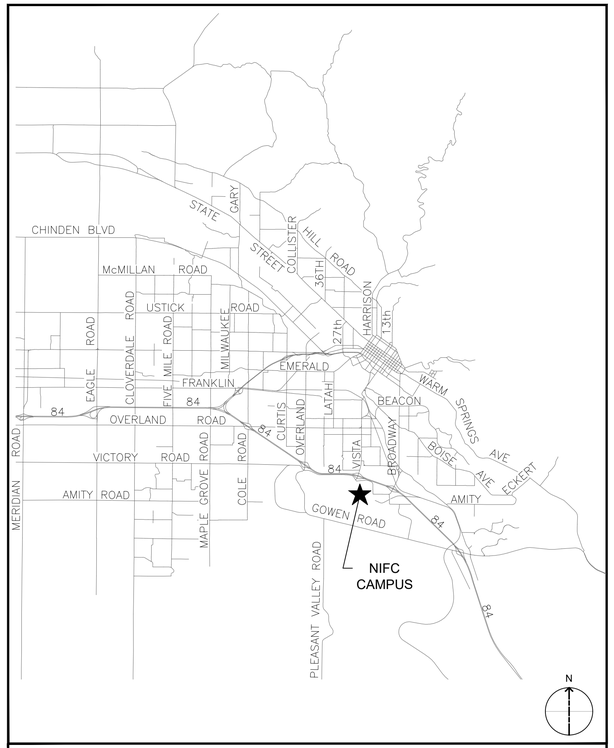
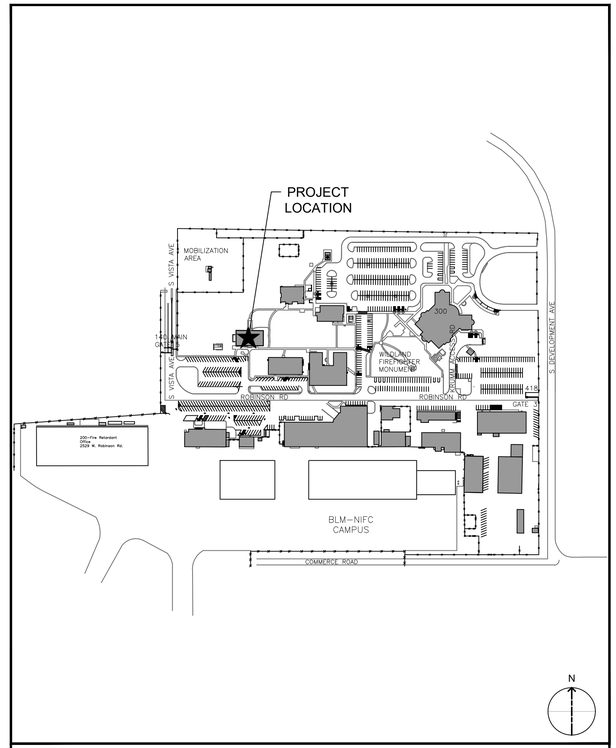
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NATIONAL INTERAGENCY FIRE CENTER

NIFC 100-ADMINISTRATION REPAIRS FY 2022 GAOA

BOISE, IDAHO



REFERENCE MAP



VICINITY MAP

NATIONAL INTERAGENCY FIRE CENTER
3833 DEVELOPMENT AVE, BOISE, ID 83705

PROJECT LOCATION
LATITUDE: 43.566850
LONGITUDE: -116.212120

100 ADMINISTRATION
3906 S. VISTA, BOISE, ID 83705

DESIGNERS

LBYD FEDERAL
Cushing Terrell.

ALWAYS THINK SAFETY

NIFC 100-ADMINISTRATION REPAIRS FY 2022 GAOA
NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 Development Ave, Boise, ID 83705 (208) 387-5512

Sheet Title: COVER SHEET

Designed by: SJBD
Drawn by: A. RICO
Checked by: SJBD
Approved by: SJBD

Revisions:

#	Description	Date
0	ISSUED FOR CONSTRUCTION	12/02/25

Seal:

PROFESSIONAL ENGINEER
LICENSED
13564
STATE OF IDAHO
SAIGE J. BALLOCK-DIXON

BLM Project # 140L0622D0002
Project # 070117.028
Date: 12/02/2025

G-001

Q:\LBYD Federal Project Files\01-Active Projects\070117.028 - NIFC 100 Admin Addn'l Repairs\03 Drawings\CAD\070117.028G-001_NIFC.dwg
ISSUED FOR CONSTRUCTION
11/15/2022 9:25 AM

DRAWING INDEX

SHEET	SUB SHEET	TITLE OF SHEET
GENERAL		
1	G-001	COVER SHEET
2	G-002	INDEX SHEET
3	GI100	CODE SHEET BASEMENT
4	GI101	CODE SHEET FIRST FLOOR PLAN
5	GI102	CODE SHEET BASEMENT - BID ADDITIVE #1
6	GI103	DETAILS
HAZARDOUS MATERIALS		
7	H-101	ABATEMENT PLAN - BASEMENT
8	H-102	ABATEMENT PLAN - FIRST FLOOR
ARCHITECTURAL		
9	AD100	BASEMENT DEMOLITION PLAN
10	AD101	FIRST FLOOR DEMOLITION PLAN
11	AD102	BASEMENT DEMO REFLECTED CEILING PLAN
12	AD103	FIRST FLOOR DEMO REFLECTED CEILING PLAN
13	AE001	LEGEND, NOTES, AND WALL TYPES
14	AE100	BASEMENT FLOOR PLAN
15	AE101	FIRST FLOOR PLAN
16	AE103	BASEMENT REFLECTED CEILING PLAN
17	AE104	FIRST FLOOR REFLECTED CEILING PLAN
18	AE504	WINDOW & DOOR DETAILS
19	AE601	DOOR SCHEDULES AND ELEVATIONS
INTERIORS		
20	INT-100	BASEMENT FINISH FLOOR PLAN
21	INT-101	FIRST FLOOR FINISH PLAN
22	INT-501	INTERIOR DETAILS
23	INT-601	MATERIALS LIST
FIRE PROTECTION		
24	FA001	GENERAL FIRE ALARM SYSTEM INFORMATION
25	FA002	FIRE ALARM SYSTEM DETAILS
26	FAD100	BASEMENT FIRE ALARM DEMOLITION PLAN
27	FAD101	FIRST FLOOR FIRE ALARM DEMOLITION PLAN
28	FA100	BASEMENT FIRE ALARM REMODEL
29	FA101	FIRST FLOOR FIRE ALARM REMODEL PLAN
30	FD100	BASEMENT FIRE PROTECTION DEMOLITION PLAN
31	FD101	FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN
32	FP001	FIRE PROTECTION SITE PLAN, NOTES & LEGEND
33	FP002	FIRE PROTECTION DETAILS
34	FP100	BASEMENT FIRE PROTECTION PLAN
35	FP101	FIRST FLOOR FIRE PROTECTION PLAN
36	FP200	FIRE PROTECTION SECTIONS AND EXISTING RISER DETAIL
MECHANICAL		
37	M001	MECHANICAL GENERAL NOTES, ABBREVIATIONS
38	MD100	BASEMENT HVAC DEMOLITION PLAN
39	MD101	FIRST FLOOR HVAC DEMOLITION PLAN
40	MD121	FIRST FLOOR REFRIGERANT DEMOLITION PIPING PLAN
41	M100	BASEMENT MECHANICAL PLAN
42	M101	FIRST FLOOR MECHANICAL PLAN
43	M102	ROOF MECHANICAL PLAN
44	M121	FIRST FLOOR REFRIGERANT PIPING PLAN
45	M122	SECOND FLOOR REFRIGERANT PIPING PLAN
46	M500	HVAC DETAILS
47	M600	MECHANICAL SCHEDULES
48	M604	HVAC CONTROLS DIAGRAMS
49	M606	VRF SCHEMATIC
PLUMBING		
50	PD101	FIRST FLOOR DEMOLITION DWV PLAN
51	P101	FIRST FLOOR DWV PLAN
ELECTRICAL		
52	E-001	ELECTRICAL LEGENDS
53	ED100	BASEMENT ELECTRICAL DEMOLITION PLAN
54	ED101	FIRST FLOOR ELECTRICAL DEMOLITION PLAN
55	EL100	BASEMENT LIGHTING PLAN
56	EL101	FIRST FLOOR LIGHTING PLAN
57	EP100	BASEMENT POWER PLAN
58	EP101	FIRST FLOOR POWER PLAN
59	EP111	FIRST FLOOR MECHANICAL POWER PLAN
60	EP112	ROOF POWER PLAN
61	ET100	BASEMENT TELECOM PLAN
62	ET101	FIRST FLOOR TELECOM PLAN
63	EY101	FIRST FLOOR SECURITY PLAN
64	E-500	ELECTRICAL DETAILS
65	E-601	ONE-LINE DIAGRAM
66	E-602	PANEL SCHEDULES
67	E-603	LIGHTING SCHEDULES

ALWAYS THINK SAFETY

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA
NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 Development Ave, Boise, ID 83705 (208) 387-5512

Sheet Title:
SHEET INDEX

Designed by: SJBD
Drawn by: A. RICO
Checked by: SJBD
Approved by: SJBD

Revisions:

#	Description	Date
0	ISSUED FOR CONSTRUCTION	12/02/25

Seal:

PROFESSIONAL ENGINEER
LICENSED
13564
STATE OF IDAHO
SARA J. BALLOCK-DIXON

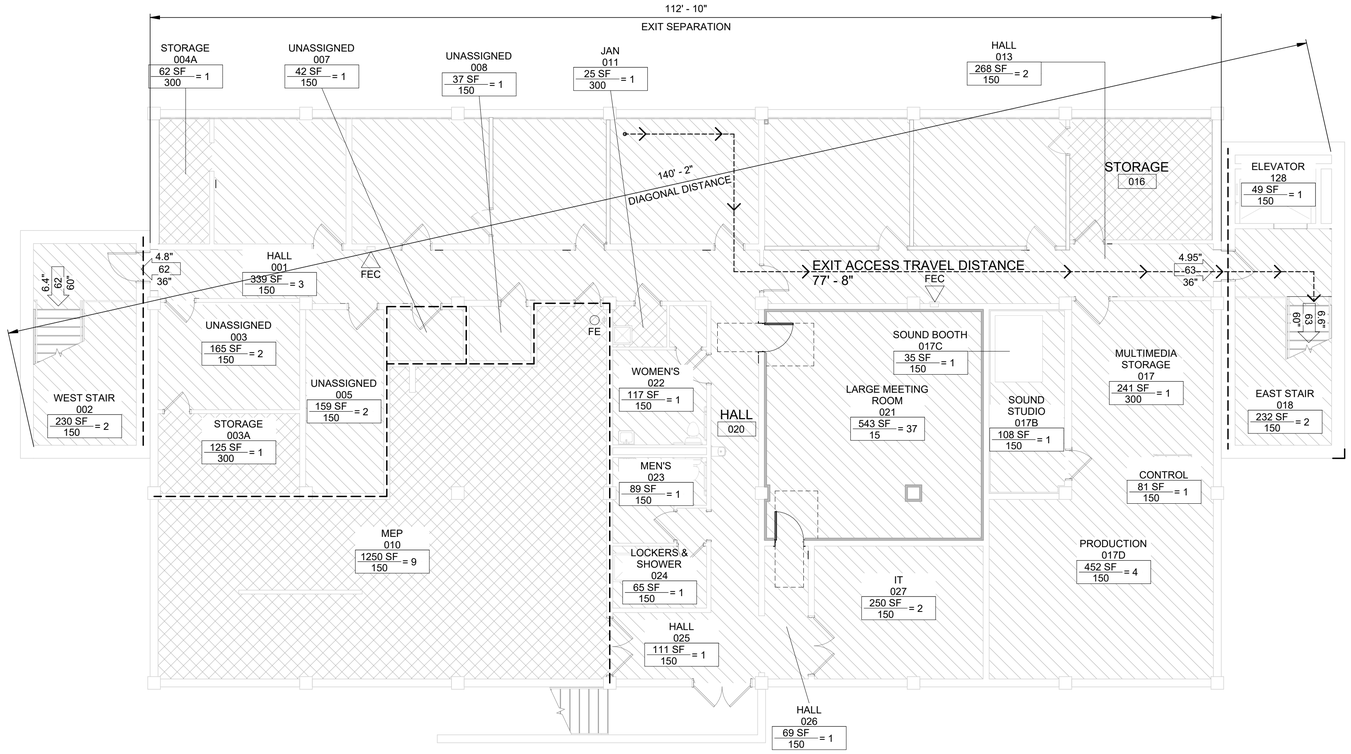
BLM Project # 140L0622D0002

Project # 070117.028

Date: 12/02/2025

G-002

11/15/2022 9:25 AM ISSUED FOR CONSTRUCTION Q:\LBYD Federal Project Files\01-Active Projects\070117.028 - NIFC 100 Admin Addn\I Repairs\03 Drawings\CAD\070117.028G-001_NIFC.dwg



B1 BASEMENT CODE PLAN

MINIMUM NUMBER OF PLUMBING FIXTURES PER IBC TABLE 2902.1
BASED ON BUSINESS OCCUPANCY (MOST STRINGENT)
294 OCCUPANTS = 147 MALE, 147 FEMALE
THIS ANALYSIS BASED ON BASE BID CONSTRUCTION. FOR BID ADDITIVE, SEE GI102.

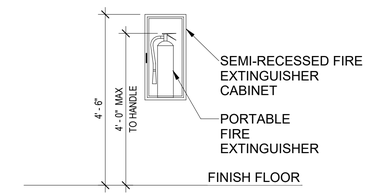
2901.1.2
THE TOTAL NUMBER OF FIXTURES SHALL BE PERMITTED TO BE BASED ON THE REQUIRED NUMBER OF SEPARATE FACILITIES OR BASED ON THE AGGREGATE OF ANY COMBINATION OF SINGLE-USER OR SEPARATE FACILITIES

WATER CLOSETS:
1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50 PER IPC 424.2, URINAL SHALL NOT BE SUBSTITUTED FOR MORE THAN 50 PERCENT OF REQUIRED WATER CLOSETS
REQUIRED: 4 MALE,4 FEMALE
PROVIDED: 4 MALE, 3 FEMALE, 4 UNISEX

LAVATORIES:
1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80 FOR BOTH MALE AND FEMALES
REQUIRED: 3 MALE, 3 FEMALE
PROVIDED: 2 MALE, 2 FEMALE, 4 UNISEX

DRINKING FOUNTAINS:
1 PER 100
REQUIRED: 3 TOTAL
PROVIDED: 5

SERVICE SINK:
REQUIRED: 1 TOTAL
PROVIDED: 3



C4 EXTINGUISHER MOUNTING HEIGHTS

CODE REVIEW INFORMATION

THIS ANALYSIS BASED ON BASE BID CONSTRUCTION. FOR BID ADDITIVE #1, SEE GI102.

GOVERNING CODES:
2024 INTERNATIONAL BUILDING CODE
2024 INTERNATIONAL EXISTING BUILDING CODE
2024 INTERNATIONAL FIRE CODE
2024 INTERNATIONAL FUEL GAS CODE
2024 INTERNATIONAL MECHANICAL CODE
2024 INTERNATIONAL PLUMBING CODE
2024 INTERNATIONAL WILDLAND-URBAN INTERFACE CODE
2024 INTERNATIONAL ENERGY CONSERVATION CODE
2024 NFPA 101 LIFE SAFETY CODE
ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY STANDARDS

*SHOULD A CONFLICT EXIST BETWEEN BLM ADOPTED CODES AND STATE OR LOCAL CODES, BLM ADOPTED CODES SHALL PREVAIL

IEBC 2024 ANALYSIS:
CLASSIFICATION OF WORK: LEVEL 2 ALTERATION

603.1 LEVEL 2 ALTERATIONS INCLUDE THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT, AND SHALL APPLY WHERE THE WORK AREA IS EQUAL TO OR LESS THAN 50 PERCENT OF THE BUILDING AREA.

603.2 LEVEL 2 ALTERATIONS SHALL COMPLY WITH PROVISIONS OF CHAPTER 7 AND 8

701.2 AN EXISTING BUILDING OR PORTION THERE OF SHALL NOT BE ALTERED SUCH THAT THE BUILDING BECOMES LESS SAFE THAN ITS EXISTING CONDITION.

703.1 ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED.

801.4 NEW CONSTRUCTION ELEMENTS, COMPONENTS, SYSTEMS AND SPACES SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

802.4 THE INTERIOR FINISH AND TRIM OF WALLS AND CEILINGS IN EXITS AND CORRIDORS IN ANY WORK AREA SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

809.1 LEVEL 2 ALTERATIONS TO EXISTING BUILDINGS ARE PERMITTED WITHOUT REQUIRING THE ENTIRE BUILDING TO COMPLY WITH THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE. ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF TEH INTERNATIONAL ENERGY CONSERVATION CODE AS THEY RELATE TO NEW CONSTRUCTION ONLY.

IBC 2024 ANALYSIS

OCCUPANCY CLASSIFICATION: B (BUSINESS), S-2 (STORAGE) PER SECTION 304.1
BUILDING OCCUPANCY HAS NOT BEEN ALTERED FROM EXISTING

FIRE SPRINKLER SYSTEM: PROVIDED

CONSTRUCTION TYPE: IIB PER SECTION 602.2

BUILDING HEIGHT, AREA, AND NUMBER OF STORIES: NOT ALTERED FROM EXISTING

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS FROM TABLE 601
FOR TYPE IIB, ALL ELEMENTS EXCEPT EXTERIOR WALLS = 0 HOURS

SECTION 602.2 TYPES I AND II
TYPES I AND II CONSTRUCTION ARE THOSES TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS SPECIFIED IN TBALE 601 ARE OF NONCOMBUSTIBLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE IN THIS CODE.

CHAPTER 7 RATED / PROTECTED ASSEMBLIES NOT ALTERED FROM EXISTING

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY FROM TABLE 803.13
FOR GROUP B, SPRINKLERED (MOST STRINGENT):
EXIT ENCLOSURES AND EXIT PASSAGEWAYS = B
CORRIDORS & STIARWAYS = C
ROOMS AND ENCLOSED SPACES = C

OCCUPANT LOAD FACTOR FROM TABLE 1004.5 ASSIGNED TO EACH ROOM, TOTALS:

BASEMENT AREAS =	92 OCCUPANTS
FIRST FLOOR AREAS =	93 OCCUPANTS
SECOND FLOOR AREAS =	109 OCCUPANTS
TOTAL OCCUPANCY	**294 OCCUPANTS**

MINIMUM REQUIRED EGRESS WIDTH FROM SECTION 1005.3
STAIRWAYS, SPRINKLERED, GROUP B/S = 0.2 INCHES PER OCCUPANT
OTHER EGRESS COMPONENTS, SPRINKLERED, GROUP B = 0.15 INCHES PER OCCUPANT
SEE CODE PLANS FOR REQUIRED AND PROVIDED EXIT WIDTHS

EGRESS CONVERGANCE FROM SECTION 1005.6
WHERE THE MEANS OF EGRESS FROM STORIES ABOVE AND BELOW CONVERGE AT AN INTERMEDIATE LEVEL, THE CAPACITY OF THE MEANS OF EGRESS FROM THE POINT OF CONVERGENCE SHALL BE NOT LESS THAN THE LARGEST MINIMUM WIDTH OR THE SUM OF THE REQUIRED CAPACITIES FOR THE STAIRWAYS SERVING THE TWO ADJACENT STORIES, WHICHEVER IS LARGER.

COMMON PATH OF EGRESS TRAVEL PER TABLE 1006.2.1 =
FOR B OCCUPANCY ROOMS = SHALL NOT EXCEED 100 FEET

SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY FROM TABLE 1006.2.1
FOR B OCCUPANCY ROOM, MAXIMUM OCCUPANT LOAD = 49
FOR S OCCUPANCY ROOM, MAXIMUM OCCUPANT LOAD = 29

EXIT ACCESS TRAVEL DISTANCE FROM TABLE 1017.2
FOR B OCCUPANCY (MOST STRINGENT), WITH SPRINKLER SYSTEM = 300 FEET

CORRIDOR FIRE-RESISTANCE RATING FROM TABLE 1020.2
FOR B, S OCCUPANCY, WITH SPRINKLER SYSTEM = NO RATING IS REQUIRED

MINIMUM CORRIDOR WIDTH PER TABLE 1020.3 = 44 INCHES.

DEAD END CORRIDORS FROM SECTION 1020.5 EXCEPTION 2
FOR B, S OCCUPANCY, SPRINKLERRED = NO MORE THAN 50 FEET

IECC 2024 ASSEMBLY INFORMATION (A001 FOR ASSEMBLY TYPES)
- BOISE, IDAHO | ADA COUNTY - ZONE 5B
- SEE ELECTRICAL DRAWINGS FOR DAYLIGHT ZONE LIGHTING CONTROLS

- PER TABLE C402.1.3. THE BUILDING ENVELOPE WILL MEET OR EXCEED THE BELOW:
  1. MASS - R-11.4ci
  2. WALLS BELOW GRADE - R-7.5c.i. (CONTINUOUS INSULATION)

CODE PLAN LEGEND

OCCUPANCY TAG:
ROOM / AREA NAME
ROOM / AREA NUMBER
SPACE AREA
NUMBER OF OCCUPANTS
OCCUPANT LOAD FACTOR

UL RATED FIRE DOOR AND FRAME WITH RATING AS INDICATED - SEE SHEET AE601

FIRE EXTINGUISHER CABINET AND EXTINGUISHER - SEE SPECIFICATIONS

SURFACE MOUNTED FIRE EXINGUISHER - SEE SPECIFICATIONS

EXIT PATH

EGRESS LIGHTING (EXIT SIGNS) - SEE ELECTRICAL DRAWINGS

B / BUSINESS OCCUPANCY

S2 / STORAGE OCCUPANCY

EXIT TAG:
REQUIRED WIDTH
OCCUPANT LOAD
PROVIDED WIDTH

EXISTING 1 HOUR FIRE BARRIER - SEAL PERIMETER AND PENETRATIONS PER DETAILS ON GI103

ALWAYS THINK SAFETY

Cushing Terrell
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: CODE SHEET BASEMENT

Designed by: MORTENSON
Drawn by: GRABSTEIN
Checked by: MORTENSON
Approved by: SJBD

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

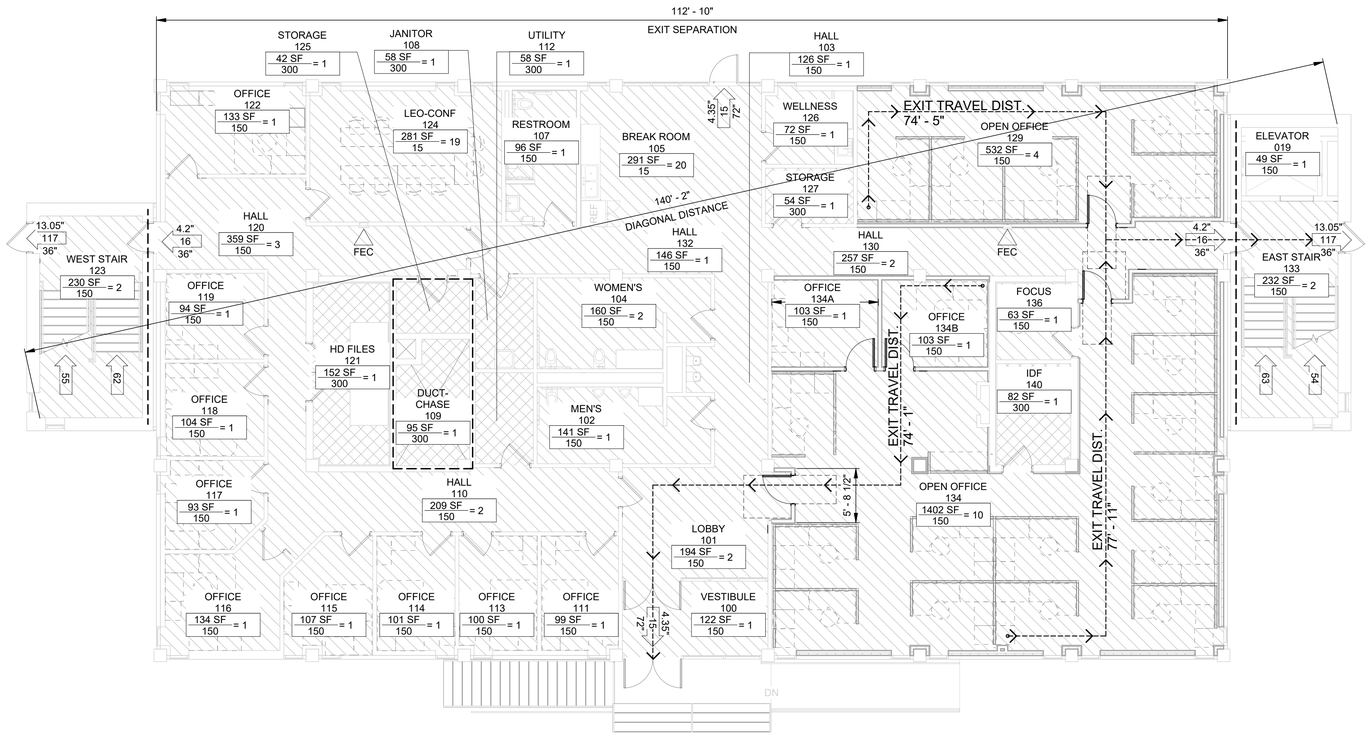
LICENSED ARCHITECT AR 984755
12.2.25
Scott D. Roberts
STATE OF IDAHO

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

GI100

Sheet 3 of 67

U:\tylermortenson\Documents_RevitLocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt
ISSUED FOR CONSTRUCTION
12/2/2025 2:27:39 PM



B1 FIRST FLOOR CODE PLAN

0 4' 8' 16'

NOTE: SEE OTHER CODE PLAN SHEETS FOR ADDITIONAL CODE REVIEW INFORMATION

NFPA 101 2024 CODE ANALYSIS
OCCUPANCY: BUSINESS
STORIES: 3
CONSTRUCTION TYPE: II-000 SPRINKLERED

PER NFPA 220 TABLE 4.1.1 -
TYPE II-000 - BUILDING ELEMENTS REQUIRE NO RATING.

PER 39.1.1.1 - CLASSIFICATION OF HAZARD CONTENTS - ORDINARY
PER 39.2.2 - ARRANGEMENTS OF MEANS OF EGRESS IS AS FOLLOWS:
9.2.5.1 - DEAD-END CORRIDOR = 50' MAXIMUM
9.2.5.3.1 - COMMON PATH OF TRAVEL = 100' MAXIMUM
PER 39.2.6.3 - MAXIMUM TRAVEL DISTANCE TO EXITS = 300'
PER 39.3.6 - CORRIDORS - TO HAVE A MIN. 0-HOUR FIRE RESISTANCE RATING
PER TABLE 7.1.3.1 - EXIT ACCESS CORRIDORS TO BE 0 HOURS

FIRE PARTITIONS - DOORS IN THESE CORRIDORS TO HAVE A RATING OF 20 MIN.

ABA CODE ANALYSIS
F202.3 ALTERATIONS
WHERE EXISTING ELEMENTS OR SPACES ARE ALTERED, EACH ALTERED ELEMENT OR SPACE SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF CHAPTER 2.

F202.4 ALTERATIONS AFFECTING PRIMARY FUNCTION AREAS
PRIMARY FUNCTION AREAS ARE ALL LOCATED ON ACCESSIBLE ROUTES. RESTROOMS ON EACH FLOOR WILL BE MADE ACCESSIBLE TO OCCUPANTS AND WILL BE INCLUDED ON ACCESSIBLE ROUTES.

CODE REVIEW INFORMATION

THIS ANALYSIS BASED ON BASE BID CONSTRUCTION. FOR BID ADDITIVE #1, SEE GI102.

GOVERNING CODES:
2024 INTERNATIONAL BUILDING CODE
2024 INTERNATIONAL EXISTING BUILDING CODE
2024 INTERNATIONAL FIRE CODE
2024 INTERNATIONAL FUEL GAS CODE
2024 INTERNATIONAL MECHANICAL CODE
2024 INTERNATIONAL PLUMBING CODE
2024 INTERNATIONAL WILDLAND-URBAN INTERFACE CODE
2024 INTERNATIONAL ENERGY CONSERVATION CODE
2024 NFPA 101 LIFE SAFETY CODE
ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY STANDARDS

*SHOULD A CONFLICT EXIST BETWEEN BLM ADOPTED CODES AND STATE OR LOCAL CODES, BLM ADOPTED CODES SHALL PREVAIL

IEBC 2024 ANALYSIS:
CLASSIFICATION OF WORK: LEVEL 2 ALTERATION

603.1 LEVEL 2 ALTERATIONS INCLUDE THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT, AND SHALL APPLY WHERE THE WORK AREA IS EQUAL TO OR LESS THAN 50 PERCENT OF THE BUILDING AREA.

603.2 LEVEL 2 ALTERATIONS SHALL COMPLY WITH PROVISIONS OF CHAPTER 7 AND 8

701.2 AN EXISTING BUILDING OR PORTION THERE OF SHALL NOT BE ALTERED SUCH THAT THE BUILDING BECOMES LESS SAFE THAN ITS EXISTING CONDITION.

703.1 ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED.

801.4 NEW CONSTRUCTION ELEMENTS, COMPONENTS, SYSTEMS AND SPACES SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

802.4 THE INTERIOR FINISH AND TRIM OF WALLS AND CEILINGS IN EXITS AND CORRIDORS IN ANY WORK AREA SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

809.1 LEVEL 2 ALTERATIONS TO EXISTING BUILDINGS ARE PERMITTED WITHOUT REQUIRING THE ENTIRE BUILDING TO COMPLY WITH THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE. ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF TEH INTERNATIONAL ENERGY CONSERVATION CODE AS THEY RELATE TO NEW CONSTRUCTION ONLY.

IBC 2024 ANALYSIS

OCCUPANCY CLASSIFICATION: B (BUSINESS), S-2 (STORAGE) PER SECTION 304.1
BUILDING OCCUPANCY HAS NOT BEEN ALTERED FROM EXISTING

FIRE SPRINKLER SYSTEM: PROVIDED

CONSTRUCTION TYPE: IIB PER SECTION 602.2

BUILDING HEIGHT, AREA, AND NUMBER OF STORIES: NOT ALTERED FROM EXISTING

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS FROM TABLE 601
FOR TYPE IIB, ALL ELEMENTS EXCEPT EXTERIOR WALLS = 0 HOURS

SECTION 602.2 TYPES I AND II
TYPES I AND II CONSTRUCTION ARE THOSES TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS SPECIFIED IN TBALE 601 ARE OF NONCOMBUSTIBLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE IN THIS CODE.

CHAPTER 7 RATED / PROTECTED ASSEMBLIES NOT ALTERED FROM EXISTING

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY FROM TABLE 803.13
FOR GROUP B, SPRINKLERED (MOST STRINGENT):
EXIT ENCLOSURES AND EXIT PASSAGEWAYS = B
CORRIDORS & STIARWAYS = C
ROOMS AND ENCLOSED SPACES = C

OCCUPANT LOAD FACTOR FROM TABLE 1004.5 ASSIGNED TO EACH ROOM, TOTALS:

BASEMENT AREAS =	92 OCCUPANTS
FIRST FLOOR AREAS =	93 OCCUPANTS
SECOND FLOOR AREAS =	109 OCCUPANTS
TOTAL OCCUPANCY	**294 OCCUPANTS**

MINIMUM REQUIRED EGRESS WIDTH FROM SECTION 1005.3
STAIRWAYS, SPRINKLERED, GROUP B/S = 0.2 INCHES PER OCCUPANT
OTHER EGRESS COMPONENTS, SPRINKLERED, GROUP B = 0.15 INCHES PER OCCUPANT
SEE CODE PLANS FOR REQUIRED AND PROVIDED EXIT WIDTHS

EGRESS CONVERGANCE FROM SECTION 1005.6
WHERE THE MEANS OF EGRESS FROM STORIES ABOVE AND BELOW CONVERGE AT AN INTERMEDIATE LEVEL, THE CAPACITY OF THE MEANS OF EGRESS FROM THE POINT OF CONVERGENCE SHALL BE NOT LESS THAN THE LARGEST MINIMUM WIDTH OR THE SUM OF THE REQUIRED CAPACITIES FOR THE STAIRWAYS SERVING THE TWO ADJACENT STORIES, WHICHEVER IS LARGER.

COMMON PATH OF EGRESS TRAVEL PER TABLE 1006.2.1 =
FOR B OCCUPANCY ROOMS = SHALL NOT EXCEED 100 FEET

SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY FROM TABLE 1006.2.1
FOR B OCCUPANCY ROOM, MAXIMUM OCCUPANT LOAD = 49
FOR S OCCUPANCY ROOM, MAXIMUM OCCUPANT LOAD = 29

EXIT ACCESS TRAVEL DISTANCE FROM TABLE 1017.2
FOR B OCCUPANCY (MOST STRINGENT), WITH SPRINKLER SYSTEM = 300 FEET

CORRIDOR FIRE-RESISTANCE RATING FROM TABLE 1020.2
FOR B, S OCCUPANCY, WITH SPRINKLER SYSTEM = NO RATING IS REQUIRED

MINIMUM CORRIDOR WIDTH PER TABLE 1020.3 = 44 INCHES.

DEAD END CORRIDORS FROM SECTION 1020.5 EXCEPTION 2
FOR B, S OCCUPANCY, SPRINKLERRED = NO MORE THAN 50 FEET

IECC 2024 ASSEMBLY INFORMATION (A001 FOR ASSEMBLY TYPES)
- BOISE, IDAHO | ADA COUNTY - ZONE 5B
- SEE ELECTRICAL DRAWINGS FOR DAYLIGHT ZONE LIGHTING CONTROLS

- PER TABLE C402.1.3. THE BUILDING ENVELOPE WILL MEET OR EXCEED THE BELOW:
  1. MASS - R-11.4ci
  2. WALLS BELOW GRADE - R-7.5c.i. (CONTINUOUS INSULATION)

CODE PLAN LEGEND

OCCUPANCY TAG:
ROOM / AREA NAME
ROOM / AREA NUMBER
SPACE AREA
NUMBER OF OCCUPANTS
OCCUPANT LOAD FACTOR
(ROOM NAME 88888 SF = ### ###)

60M — UL RATED FIRE DOOR AND FRAME WITH RATING AS INDICATED - SEE SHEET AE601

FEC — FIRE EXTINGUISHER CABINET AND EXTINGUISHER - SEE SPECIFICATIONS

FE — SURFACE MOUNTED FIRE EXINGUISHER - SEE SPECIFICATIONS

EXIT PATH

EGRESS LIGHTING (EXIT SIGNS) - SEE ELECTRICAL DRAWINGS

B / BUSINESS OCCUPANCY

S2 / STORAGE OCCUPANCY

EXIT TAG:
REQUIRED WIDTH
OCCUPANT LOAD
PROVIDED WIDTH

EXISTING 1 HOUR FIRE BARRIER - SEAL PERIMETER AND PENETRATIONS PER DETAILS ON GI103

ALWAYS THINK SAFETY

Cushing Terrell
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: CODE SHEET FIRST FLOOR PLAN

Designed by: MORTENSON
Drawn by: GRABSTEIN
Checked by: MORTENSON
Approved by: SJBD

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

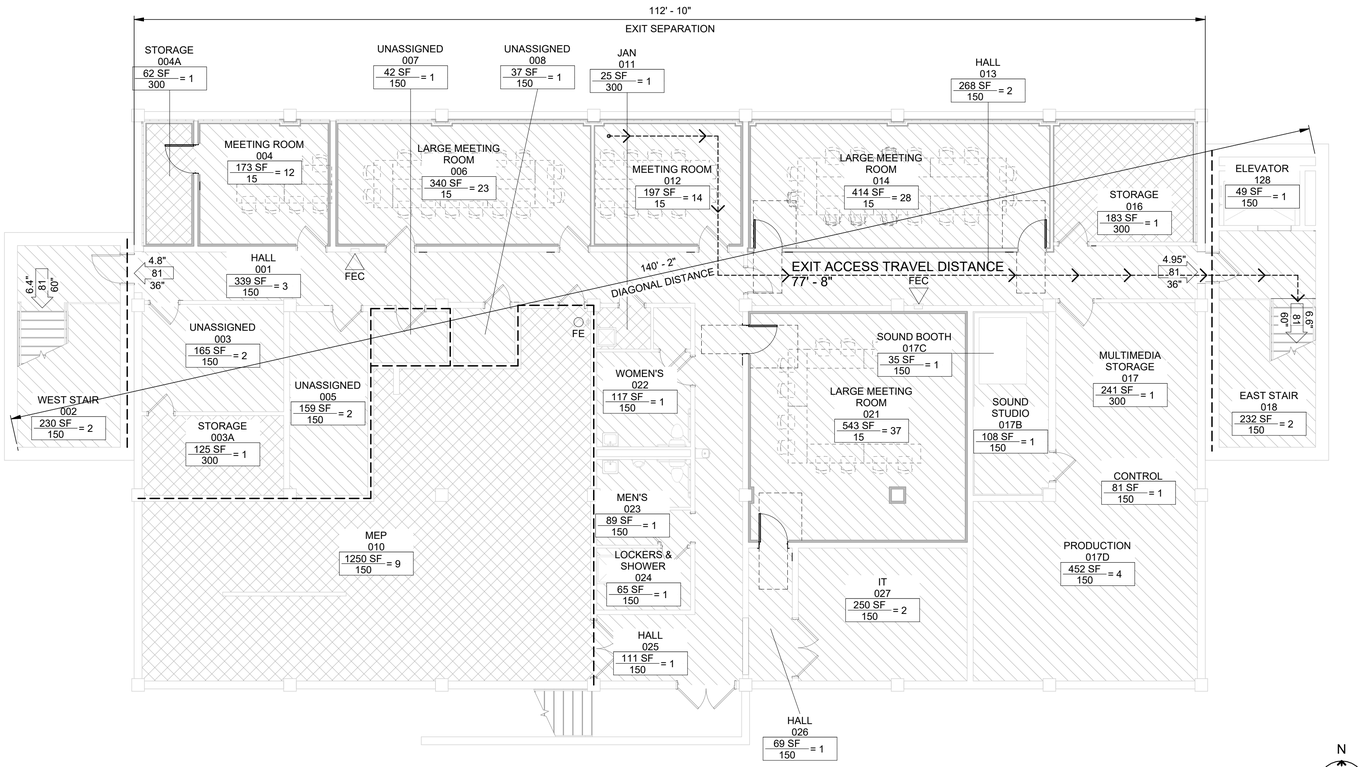
LICENSED ARCHITECT AR 984755
12.02.25
Scott D. Roberts
STATE OF IDAHO

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

GI101

Sheet 4 of 67

12/2/2025 2:27:44 PM ISSUED FOR CONSTRUCTION U:\tylermortenson\Documents_Revit\LocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt



B1 BASEMENT CODE PLAN - BID ADDITIVE #1

CODE REVIEW INFORMATION

THIS ANALYSIS BASED ON BID ADDITIVE #1 CONSTRUCTION.

GOVERNING CODES:
2024 INTERNATIONAL BUILDING CODE
2024 INTERNATIONAL EXISTING BUILDING CODE
2024 INTERNATIONAL FIRE CODE
2024 INTERNATIONAL FUEL GAS CODE
2024 INTERNATIONAL MECHANICAL CODE
2024 INTERNATIONAL PLUMBING CODE
2024 INTERNATIONAL WILDLAND-URBAN INTERFACE CODE
2024 INTERNATIONAL ENERGY CONSERVATION CODE
2024 NFPA 101 LIFE SAFETY CODE
ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY STANDARDS

*SHOULD A CONFLICT EXIST BETWEEN BLM ADOPTED CODES AND STATE OR LOCAL CODES, BLM ADOPTED CODES SHALL PREVAIL

IEBC 2024 ANALYSIS:
CLASSIFICATION OF WORK: LEVEL 2 ALTERATION

603.1 LEVEL 2 ALTERATIONS INCLUDE THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT, AND SHALL APPLY WHERE THE WORK AREA IS EQUAL TO OR LESS THAN 50 PERCENT OF THE BUILDING AREA.

603.2 LEVEL 2 ALTERATIONS SHALL COMPLY WITH PROVISIONS OF CHAPTER 7 AND 8

701.2 AN EXISTING BUILDING OR PORTION THERE OF SHALL NOT BE ALTERED SUCH THAT THE BUILDING BECOMES LESS SAFE THAN ITS EXISTING CONDITION.

703.1 ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED.

801.4 NEW CONSTRUCTION ELEMENTS, COMPONENTS, SYSTEMS AND SPACES SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

802.4 THE INTERIOR FINISH AND TRIM OF WALLS AND CEILINGS IN EXITS AND CORRIDORS IN ANY WORK AREA SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

809.1 LEVEL 2 ALTERATIONS TO EXISTING BUILDINGS ARE PERMITTED WITHOUT REQUIRING THE ENTIRE BUILDING TO COMPLY WITH THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE. ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF TEH INTERNATIONAL ENERGY CONSERVATION CODE AS THEY RELATE TO NEW CONSTRUCTION ONLY.

IBC 2024 ANALYSIS

OCCUPANCY CLASSIFICATION: B (BUSINESS), S-2 (STORAGE) PER SECTION 304.1
BUILDING OCCUPANCY HAS NOT BEEN ALTERED FROM EXISTING

FIRE SPRINKLER SYSTEM: PROVIDED

CONSTRUCTION TYPE: IIB PER SECTION 602.2

BUILDING HEIGHT, AREA, AND NUMBER OF STORIES: NOT ALTERED FROM EXISTING

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS FROM TABLE 601
FOR TYPE IIB, ALL ELEMENTS EXCEPT EXTERIOR WALLS = 0 HOURS

SECTION 602.2 TYPES I AND II
TYPES I AND II CONSTRUCTION ARE THOSES TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS SPECIFIED IN TBALE 601 ARE OF NONCOMBUSTIBLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE IN THIS CODE.

CHAPTER 7 RATED / PROTECTED ASSEMBLIES NOT ALTERED FROM EXISTING

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY FROM TABLE 803.13
FOR GROUP B, SPRINKLERED (MOST STRINGENT):
EXIT ENCLOSURES AND EXIT PASSAGEWAYS = B
CORRIDORS & STIARWAYS = C
ROOMS AND ENCLOSED SPACES = C

OCCUPANT LOAD FACTOR FROM TABLE 1004.5 ASSIGNED TO EACH ROOM, TOTALS:

BASEMENT AREAS =	162 OCCUPANTS
FIRST FLOOR AREAS =	93 OCCUPANTS
SECOND FLOOR AREAS =	109 OCCUPANTS
TOTAL OCCUPANCY	**364 OCCUPANTS**

MINIMUM REQUIRED EGRESS WIDTH FROM SECTION 1005.3
STAIRWAYS, SPRINKLERED, GROUP B/S = 0.2 INCHES PER OCCUPANT
OTHER EGRESS COMPONENTS, SPRINKLERED, GROUP B = 0.15 INCHES PER OCCUPANT
SEE CODE PLANS FOR REQUIRED AND PROVIDED EXIT WIDTHS

EGRESS CONVERGANCE FROM SECTION 1005.6
WHERE THE MEANS OF EGRESS FROM STORIES ABOVE AND BELOW CONVERGE AT AN INTERMEDIATE LEVEL, THE CAPACITY OF THE MEANS OF EGRESS FROM THE POINT OF CONVERGENCE SHALL BE NOT LESS THAN THE LARGEST MINIMUM WIDTH OR THE SUM OF THE REQUIRED CAPACITIES FOR THE STAIRWAYS SERVING THE TWO ADJACENT STORIES, WHICHEVER IS LARGER.

COMMON PATH OF EGRESS TRAVEL PER TABLE 1006.2.1 =
FOR B OCCUPANCY ROOMS = SHALL NOT EXCEED 100 FEET

SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY FROM TABLE 1006.2.1
FOR B OCCUPANCY ROOM, MAXIMUM OCCUPANT LOAD = 49
FOR S OCCUPANCY ROOM, MAXIMUM OCCUPANT LOAD = 29

EXIT ACCESS TRAVEL DISTANCE FROM TABLE 1017.2
FOR B OCCUPANCY (MOST STRINGENT), WITH SPRINKLER SYSTEM = 300 FEET

CORRIDOR FIRE-RESISTANCE RATING FROM TABLE 1020.2
FOR B, S OCCUPANCY, WITH SPRINKLER SYSTEM = NO RATING IS REQUIRED

MINIMUM CORRIDOR WIDTH PER TABLE 1020.3 = 44 INCHES.

DEAD END CORRIDORS FROM SECTION 1020.5 EXCEPTION 2
FOR B, S OCCUPANCY, SPRINKLERRED = NO MORE THAN 50 FEET

IECC 2024 ASSEMBLY INFORMATION (A001 FOR ASSEMBLY TYPES)
- BOISE, IDAHO | ADA COUNTY - ZONE 5B
- SEE ELECTRICAL DRAWINGS FOR DAYLIGHT ZONE LIGHTING CONTROLS

- PER TABLE C402.1.3, THE BUILDING ENVELOPE WILL MEET OR EXCEED THE BELOW:
  1. MASS - R-11.4ci
  2. WALLS BELOW GRADE - R-7.5c.i. (CONTINUOUS INSULATION)

MINIMUM NUMBER OF PLUMBING FIXTURES PER IBC TABLE 2902.1
BASED ON BUSINESS OCCUPANCY (MOST STRINGENT)
364 OCCUPANTS = 182 MALE, 182 FEMALE
THIS ANALYSIS BASED ON BID ADDITIVE #1 CONSTRUCTION

2901.1.2
THE TOTAL NUMBER OF FIXTURES SHALL BE PERMITTED TO BE BASED ON THE REQUIRED NUMBER OF SEPARATE FACILITIES OR BASED ON THE AGGREGATE OF ANY COMBINATION OF SINGLE-USER OR SEPARATE FACILITIES

WATER CLOSETS:
1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50 PER IPC 424.2, URINAL SHALL NOT BE SUBSTITUTED FOR MORE THAN 50 PERCENT OF REQUIRED WATER CLOSETS
REQUIRED: 5 MALE,5 FEMALE
PROVIDED: 4 MALE, 3 FEMALE, 4 UNISEX

LAVATORIES:
1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80 FOR BOTH MALE AND FEMALES
REQUIRED: 4 MALE, 4 FEMALE
PROVIDED: 2 MALE, 2 FEMALE, 4 UNISEX

DRINKING FOUNTAINS:
1 PER 100
REQUIRED: 4 TOTAL
PROVIDED: 5

SERVICE SINK:
REQUIRED: 1 TOTAL
PROVIDED: 3

CODE PLAN LEGEND

OCCUPANCY TAG:
ROOM NAME / 88888 SF ### = ###
ROOM / AREA NAME
ROOM / AREA NUMBER
SPACE AREA
NUMBER OF OCCUPANTS
OCCUPANT LOAD FACTOR

60M — UL RATED FIRE DOOR AND FRAME WITH RATING AS INDICATED - SEE SHEET AE601

FEC — FIRE EXTINGUISHER CABINET AND EXTINGUISHER - SEE SPECIFICATIONS

FE — SURFACE MOUNTED FIRE EXINGUISHER - SEE SPECIFICATIONS

EXIT PATH

EGRESS LIGHTING (EXIT SIGNS) - SEE ELECTRICAL DRAWINGS

B / BUSINESS OCCUPANCY

S2 / STORAGE OCCUPANCY

EXIT TAG:
#
#
#
REQUIRED WIDTH
OCCUPANT LOAD
PROVIDED WIDTH

EXISTING 1 HOUR FIRE BARRIER - SEAL PERIMETER AND PENETRATIONS PER DETAILS ON GI103

ALWAYS THINK SAFETY

Cushing Terrell
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: CODE SHEET BASEMENT - BID ADDITIVE #1

Designed by: MORTENSON
Drawn by: GRABSTEIN
Checked by: MORTENSON
Approved by: SJBD

Revisions:

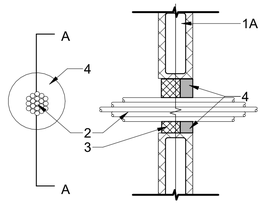
#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT AR 984755
12.02.25
Scott D. Roberts
STATE OF IDAHO

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

GI102

12/2/2025 2:27:47 PM ISSUED FOR CONSTRUCTION U:\tylermortenson\Documents_RevitLocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt



SECTION A-A

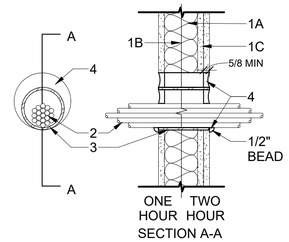
SYSTEM NO. C-AJ-3069

F RATING - 1 HR
T RATING - 1/2 HR

1. FLOOR OR WALL ASSEMBLY
   A. CONCRETE OR CMU
2. THROUGH PENETRANTS
   A. CABLES
3. PACKING MATERIAL
4. FIRESTOP SEALANT

D1 CABLE BUNDLE THROUGH CMU WALL ASSEMBLY

0 1 2
SCALE IN FEET



SECTION A-A

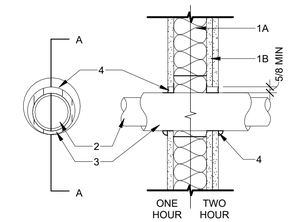
SYSTEM NO. WL 3065

F RATING - 1 HR & 2 HR (SEE ITEM 1)
T RATING - 0 HR & 3/4 HR (SEE ITEM 2)
L RATING AT AMBIENT - 15 CFM/SQ FT
L RATING AT 400 F - 8 CFM/SQ FT

1. WALL ASSEMBLY
   A. STUDS
   B. BATTS AND BLANKETS
   C. GYPSUM BOARD
2. THROUGH PENETRANTS
   A. CABLES
3. METALLIC SLEEVE (OPTIONAL)
4. FIRESTOP SEALANT

D2 CABLE BUNDLE THROUGH GYP WALL ASSEMBLY

0 1 2
SCALE IN FEET



SECTION A-A

SYSTEM NO. WL 5029

F RATING - 1, 2 & 3 HR (SEE ITEMS 1, 3 & 4)
T RATING - 0, 1/2, 1 & 1-1/4 HR. (SEE ITEM 3)
L RATING AT AMBIENT - 4CFM/SQ FT
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT

1. WALL ASSEMBLY
   A. STUDS
   B. (2)GYPSUM BOARD
2. THROUGH PENETRANTS
   A. STEEL PIPE
   B. CONDUIT
   C. COPPER TUBING
3. PIPE COVERING
4. FILL WITH FIRESTOP SEALANT

D4 INSULATED METALLIC PIPE WALL PENETRATION FIRE STOP

0 1 2
SCALE IN FEET

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: DETAILS

Designed by: MORTENSON
Checked by: MORTENSON
Drawn by: GRABSTEIN
Approved by: SJBD

Revisions:

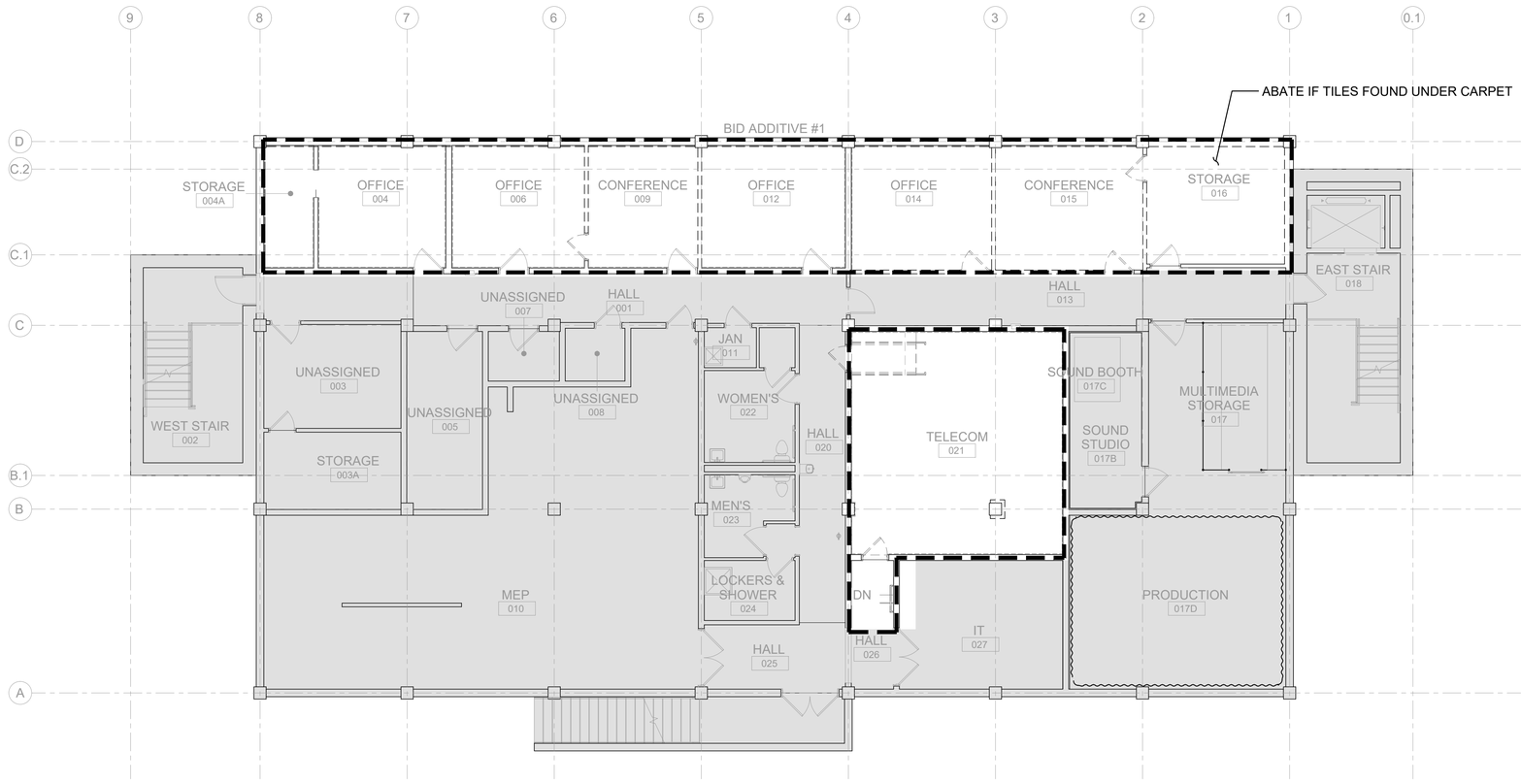
#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT
AR 984755
12.2.25
Scott D. Roberts
STATE OF IDAHO

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

GI103

12/2/2025 2:27:49 PM ISSUED FOR CONSTRUCTION U:\tylermortenson\Documents_RevitLocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt



B2 BASEMENT ABATEMENT PLAN

LBYD FEDERAL, LLC
1425 Higham Street
Idaho Falls, Idaho 83402
Phone (208) 528-8718

© copyright 2022

Project No. 070117.028

These drawings and design intent are the sole property of LBYD FEDERAL, LLC which may not be reproduced without written permission.

GENERAL SHEET NOTES

1. BUILDING REQUIRES ASBESTOS ABATEMENT.
2. REMOVE AND DISPOSE IDENTIFIED MATERIALS PER SPECIFICATION 28214.
3. INFORMATION IS BASED ON ACM EVALUATION TEST RESULTS DATED 11/29/18 AND 11/12/18.
4. MATERIALS TO BE REMOVED ARE SHOWN IN THE DEMOLITION PLANS PROVIDED FOR ARCHITECTURE, PLUMBING, CIVIL, STRUCTURAL, MECHANICAL AND FIRE PROTECTION MODIFICATIONS.
5. CONTRACTOR TO REVIEW ALL DEMOLITION AREAS AND DETERMINE IF MATERIAL CONTAIN SIMILAR ASBESTOS IDENTIFIED MATERIALS. NOTE 7 IDENTIFIES KNOWN ACM MATERIALS IN BUILDING. ADDITIONAL ACM MAY BE PRESENT IN ALL DEMOLITION AREAS AND SHOULD BE CONFIRMED BY CONTRACTOR.
6. CONTRACTOR IS REQUIRED TO DEVELOP PROJECT SPECIFIC ABATEMENT PLAN PRIOR TO THE START OF ANY DEMOLITION ACTIVITIES.
7. OTHER ACM CONTAINING MATERIALS HAVE BEEN IDENTIFIED. THESE ITEMS INCLUDE:
   - A. BEIGE TILE W/BLACK MASTIC & YELLOW MASTIC
     - 3% CHRYSOTILE IN TILE
     - 5% CHRYSOTILE IN MASTIC
   - B. WHITE TILE W/BLACK MASTIC & TAN MASTIC
     - 3% CHRYSOTILE IN TILE
     - 5% CHRYSOTILE IN MASTIC
   - C. WHITE TILE W/BLACK & YELLOW MASTIC
     - 3% CHRYSOTILE IN TILE
     - 5% CHRYSOTILE IN MASTIC

LEGEND

GENERAL DEMOLITION AREA TO BE ABATED

ALWAYS THINK SAFETY

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA
NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 Development Ave, Boise, ID 83705 (208) 387-5512

Sheet Title: ABATEMENT PLAN - BASEMENT

Designed by: S. BALLOCK-DIXON
Checked by: G. THORSON
Drawn by: A. RICO
Approved by: S. BALLOCK-DIXON

Revisions:

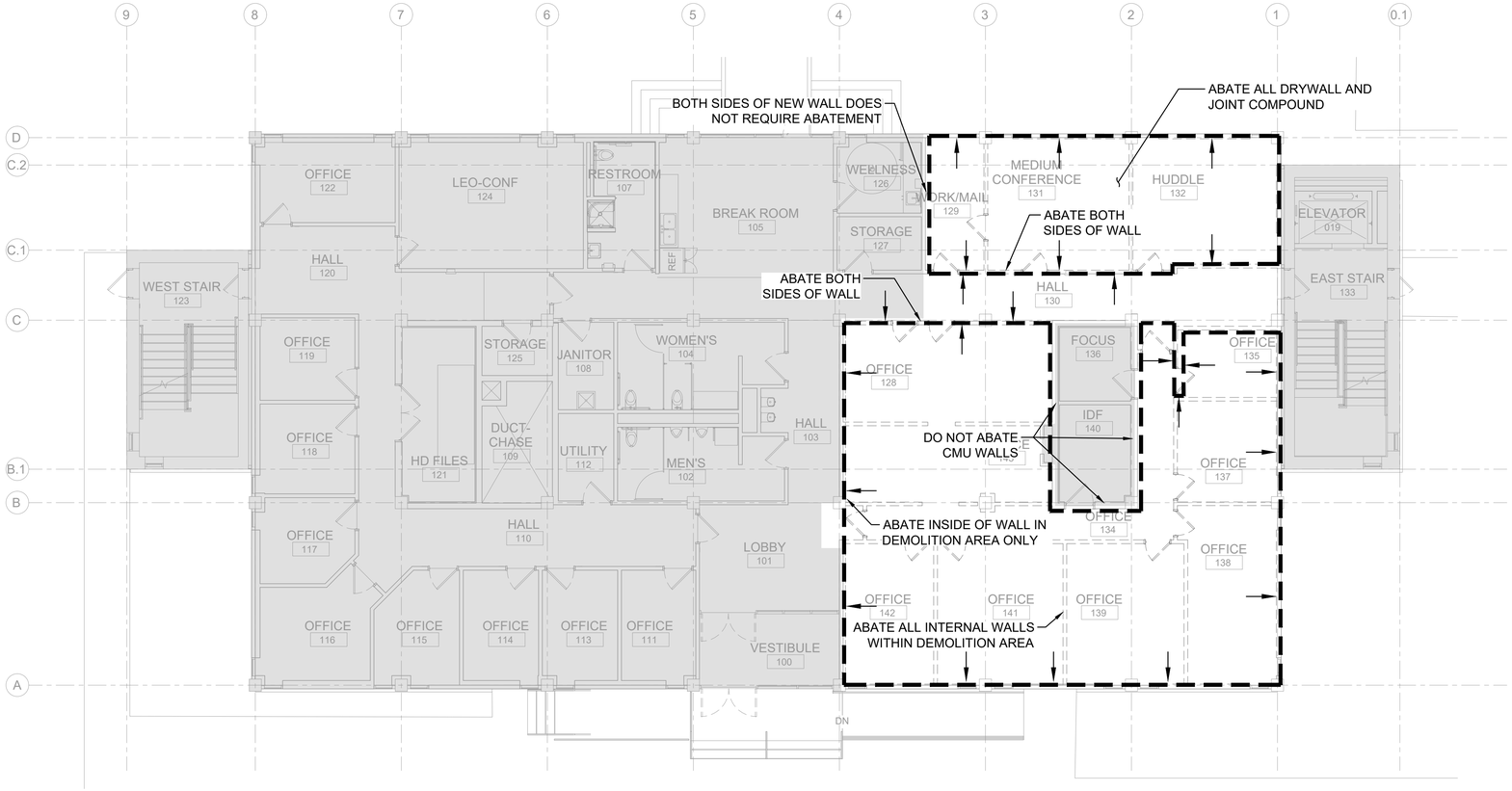
#	Description	Date
0	ISSUED FOR CONSTRUCTION	12/02/25

Seal: PROFESSIONAL ENGINEER LICENSED 13564 STATE OF IDAHO SAIGE J. BALLOCK-DIXON

BLM Project # 140L0622D0002
Project # 070117.028
Date: 12/02/2025

H-101

Q:\LBYD Federal Project Files\01-Active Projects\070117.028 - NIFC 100 Admin Addn\ Repairs\03 Drawings\CAD\070117.028H-101.dwg
ISSUED FOR CONSTRUCTION
11/15/2022 9:25 AM



B2 FIRST FLOOR ABATEMENT PLAN

LBYD FEDERAL, LLC
1425 Higham Street
Idaho Falls, Idaho 83402
Phone (208) 528-8718

© copyright 2022

Project No. 070117.028

These drawings and design intent are the sole property of LBYD FEDERAL, LLC which may not be reproduced without written permission.

GENERAL SHEET NOTES

1. BUILDING REQUIRES ASBESTOS ABATEMENT.
2. REMOVE AND DISPOSE IDENTIFIED MATERIALS PER SPECIFICATION 28214.
3. INFORMATION IS BASED ON ACM EVALUATION TEST RESULTS DATED 11/29/18 AND 11/12/18.
4. MATERIALS TO BE REMOVED ARE SHOWN IN THE DEMOLITION PLANS PROVIDED FOR ARCHITECTURE, PLUMBING, CIVIL, STRUCTURAL, MECHANICAL AND FIRE PROTECTION MODIFICATIONS.
5. CONTRACTOR IS REQUIRED TO DEVELOP PROJECT SPECIFIC ABATEMENT PLAN PRIOR TO THE START OF ANY DEMOLITION ACTIVITIES. NOTE 7 IDENTIFIES KNOWN ACM MATERIALS IN BUILDING. ADDITIONAL ACM MAY BE PRESENT IN ALL DEMOLITION AREAS AND SHOULD BE CONFIRMED BY CONTRACTOR.
6. IN GENERAL, ALL DRYWALL MUD HAS BEEN IDENTIFIED AS HAVING ~3% CHRYSOTILE MATERIAL.
7. OTHER ACM CONTAINING MATERIALS HAVE BEEN IDENTIFIED. THESE ITEMS INCLUDE:
   A. BEIGE TILE W/BLACK MASTIC & YELLOW MASTIC
      - 3% CHRYSOTILE IN TILE
      - 5% CHRYSOTILE IN MASTIC
   B. WHITE TILE W/BLACK MASTIC & TAN MASTIC
      - 3% CHRYSOTILE IN TILE
      - 5% CHRYSOTILE IN MASTIC
   C. WHITE TILE W/BLACK & YELLOW MASTIC
      - 3% CHRYSOTILE IN TILE
      - 5% CHRYSOTILE IN MASTIC
8. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE EXISTING ROOF SYSTEMS AND FLASHING SYSTEMS DOWN TO METAL ROOF AND PERIMETER SUBSTRATES AS ASSOCIATED WITH THE DEMOLITION OF THE CUPOLA ROOFTOP. 47% CHRYSOTILE ASBESTOS HAS BEEN FOUND IN THE ROOF FELTS. REMOVAL OF MATERIALS SHALL BE DONE IN ACCORDANCE WITH THE ABATEMENT SPECIFICATION AND AS IDENTIFIED ON DRAWING A004.

LEGEND

GENERAL DEMOLITION AREA TO BE ABATED

GENERAL SIDE OF WALL TO BE ABATED

ALWAYS THINK SAFETY

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA
NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 Development Ave, Boise, ID 83705 (208) 387-5512

Sheet Title: ABATEMENT PLAN - FIRST FLOOR

Designed by: S. BALLOCK-DIXON
Drawn by: A. RICO
Checked by: G. THORSON
Approved by: S. BALLOCK-DIXON

Revisions:

#	Description	Date
0	ISSUED FOR CONSTRUCTION	12/02/25

Seal:

PROFESSIONAL ENGINEER
LICENSED
13564
STATE OF IDAHO
SAGE J. BALLOCK-DIXON

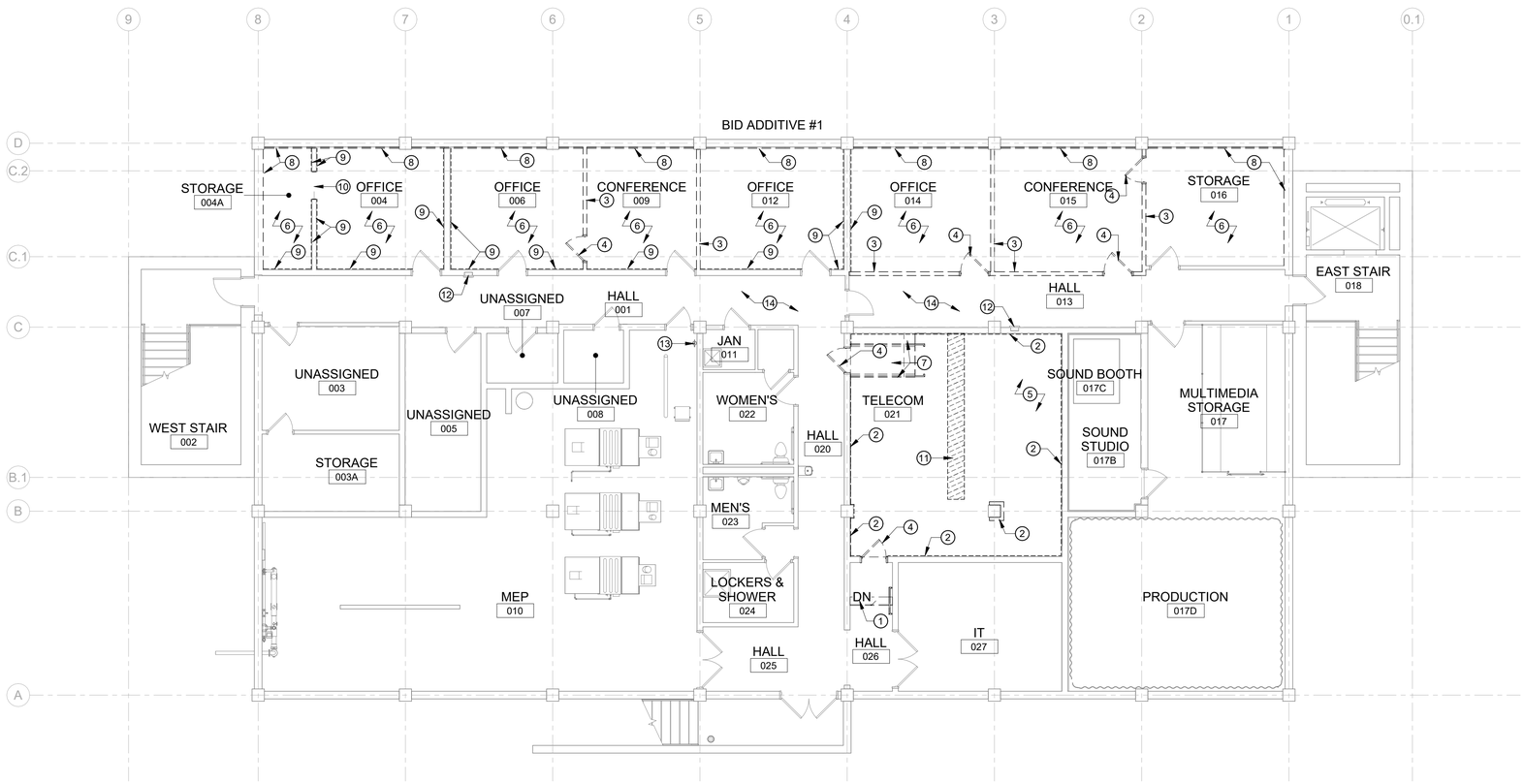
BLM Project # 140L0622D0002

Project # 070117.028

Date: 12/02/2025

H-102

Q:\LBYD Federal Project Files\01-Active Projects\070117.028 - NIFC 100 Admin Addn\ Repairs\03 Drawings\CAD\070117.028H-102.dwg
ISSUED FOR CONSTRUCTION
11/15/2022 9:25 AM



A1 BASEMENT DEMOLITION PLAN

Cushing Terrell.

cushingterrell.com
800.757.9522

GENERAL SHEET NOTES

A. THESE DRAWINGS ARE BASED UPON EXISTING DRAWINGS AND SITE OBSERVATIONS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WORK.
B. PROTECT ALL EXISTING ITEMS TO REMAIN FROM DAMAGE. PATCH AND REPAIR ALL ITEMS DAMAGED DURING CONSTRUCTION, INCLUDING VOIDS AND FINISHES RESULTING FROM DEMOLITION REMOVALS.
C. MATCH ADJACENT EXISTING CONSTRUCTION FOR ALL NEW CONSTRUCTION.
D. SEE ABATEMENT, FIRE ALARM, FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
E. WHERE EXISTING FLOOR FINISHES ARE REMOVED, PREP SLAB AND/OR UNDERLAYMENT AS REQUIRED TO RECEIVE NEW FLOOR FINISHES NOTED.

DEMO PLAN LEGEND

- ITEMS TO BE DEMOLISHED
- ITEMS TO REMAIN
- SURFACE TO BE DEMOLISHED. SEE KEYNOTES FOR DETAILS.
- NAME 101 — EXISTING ROOM NAME AND NUMBER
- X — KEYNOTE
- SIM — DIRECTION OF VIEW, IF APPLICABLE
- 1 XXX000 — DRAWING NUMBER / SHEET WHERE DRAWN
- DIMENSION TO FACE OF FRAMING
- DIMENSION TO GRID LINE
- ℄ DIMENSION TO CENTER LINE

SHEET KEYNOTES

1. DEMOLISH EXISTING STAIR AND RAILINGS IN THEIR ENTIRETY. PATCH, REPAIR AND PREP AREA FOR NEW FINISHES.
2. DEMOLISH EXISTING INTERIOR WALL FURRING AND ALL ASSOCIATED ITEMS TO EXTENTS SHOWN DOWN TO EXISTING COLUMN OR CMU WALL. PATCH AND REPAIR EXISTING COLUMN OR CMU WALL TO REMAIN WHERE DAMAGE OCCURS. PREPARE SURFACE FOR NEW CONSTRUCTION. COORDINATE WITH OTHER DEMOLITION DRAWINGS.
3. DEMOLISH EXISTING WALL AND ASSOCIATED ITEMS TO EXTENTS SHOWN. PATCH AND REPAIR ADJACENT EXISTING WALLS TO REMAIN WHERE DAMAGE OCCURS. COORDINATE WITH OTHER DEMOLITION DRAWINGS
4. DEMOLISH EXISTING DOOR, FRAME AND ALL HARDWARE.
5. DEMOLISH RAISED FLOOR IN ENTIRETY DOWN TO CONCRETE TO BE FLUSH WITH ADJACENT FLOOR IN HALL 026. PREPARE FLOOR SURFACE FOR NEW CONSTRUCTION.
6. DEMOLISH EXISTING CARPET FLOORING WITHIN ROOM NOTED. REMOVE EXISTING FLOORING DOWN TO EXISTING CONCRETE SLAB. PREP FOR NEW FLOORING. DEMOLISHED CARPET TO PALLETIZED TO BE PICKED UP FOR RECYCLING. SEE SPECS FOR DETAILS.
7. DEMOLISH STAIR, RAMP, AND RAILINGS IN THEIR ENTIRETY. PATCH, REPAIR AND PREP AREA FOR NEW FINISHES.
8. DEMOLISH EXISTING EXTERIOR WALL FURRING DOWN TO CONCRETE FOUNDATION WALL. PATCH AND REPAIR ANY DAMAGE. PREPARE SURFACE FOR NEW CONSTRUCTION. COORDINATE WITH OTHER DEMOLITION DRAWINGS.
9. REMOVE WALL PANELING, FURRING, AND ALL ASSOCIATED ITEMS DOWN TO CMU WALL. PREPARE WALL FOR NEW CONSTRUCTION.
10. REMOVE EXISTING DOOR FRAME, AND PREP OPENING FOR NEW DOOR AND FRAME.
11. REMOVE EXISTING CONCRETE AS REQUIRED FOR ELECTRICAL FLOOR BOX INSTALL. PREP FOR NEW CONCRETE.
12. EXISTING F.E.C. TO REMAIN, PROTECT FROM DAMAGE.
13. EXISTING F.E. TO REMAIN, PROTECT FROM DAMAGE.
14. EXISTING FLOORING TO REMAIN. PROTECT FROM DAMAGE.

ALWAYS THINK SAFETY

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: BASEMENT DEMOLITION PLAN

Designed by: MORTENSON
Drawn by: GRABSTEIN
Checked by: MORTENSON
Approved by: SJBD

Revisions:

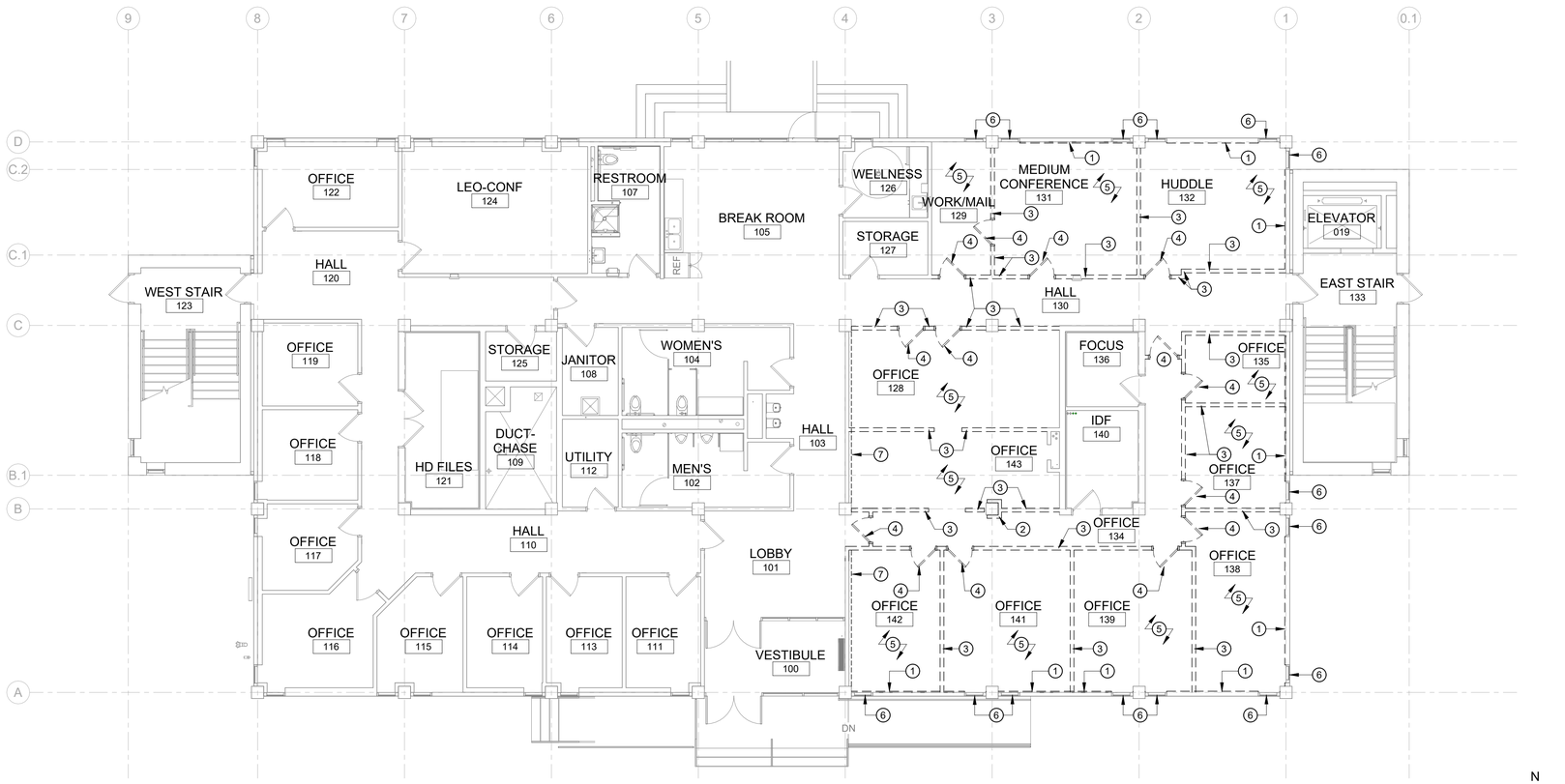
#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT AR 984755
12.2.25
Scott D. Roberts
STATE OF IDAHO

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

AD100

12/2/2025 2:27:53 PM ISSUED FOR CONSTRUCTION U:\tylermortenson\Documents_RevitLocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt



A1 FIRST FLOOR DEMOLITION PLAN

Cushing Terrell.

cushingterrell.com
800.757.9522

GENERAL SHEET NOTES

A. THESE DRAWINGS ARE BASED UPON EXISTING DRAWINGS AND SITE OBSERVATIONS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WORK.
B. PROTECT ALL EXISTING ITEMS TO REMAIN FROM DAMAGE. PATCH AND REPAIR ALL ITEMS DAMAGED DURING CONSTRUCTION, INCLUDING VOIDS AND FINISHES RESULTING FROM DEMOLITION REMOVALS.
C. MATCH ADJACENT EXISTING CONSTRUCTION FOR ALL NEW CONSTRUCTION.
D. SEE ABATEMENT, FIRE ALARM, FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
E. WHERE EXISTING FLOOR FINISHES ARE REMOVED, PREP SLAB AND/OR UNDERLAYMENT AS REQUIRED TO RECEIVE NEW FLOOR FINISHES NOTED.

DEMO PLAN LEGEND

- ITEMS TO BE DEMOLISHED
- ITEMS TO REMAIN
- SURFACE TO BE DEMOLISHED. SEE KEYNOTES FOR DETAILS.
- NAME 101 — EXISTING ROOM NAME AND NUMBER
- X — KEYNOTE
- SIM — DIRECTION OF VIEW, IF APPLICABLE
- 1 — DRAWING NUMBER
- XXX000 — SHEET WHERE DRAWN
- DIMENSION TO FACE OF FRAMING
- DIMENSION TO GRID LINE
- DIMENSION TO CENTER LINE

SHEET KEYNOTES

1. DEMOLISH EXISTING EXTERIOR WALL FURRING DOWN TO CONCRETE WALL. PATCH AND REPAIR ANY DAMAGE. PREPARE SURFACE FOR NEW CONSTRUCTION. COORDINATE WITH OTHER DEMOLITION DRAWINGS.
2. DEMOLISH EXISTING INTERIOR WALL FURRING AND ALL ASSOCIATED ITEMS TO EXTENTS SHOWN DOWN TO EXISTING COLUMN. PATCH AND REPAIR EXISTING COLUMN TO REMAIN WHERE DAMAGE OCCURS. PREPARE SURFACE FOR NEW CONSTRUCTION. COORDINATE WITH OTHER DEMOLITION DRAWINGS.
3. DEMOLISH EXISTING WALL AND ASSOCIATED ITEMS TO EXTENTS SHOWN. PATCH AND REPAIR ADJACENT EXISTING WALLSTO REMAIN WHERE DAMAGE OCCURS. COORDINATE WITH OTHER DEMOLITION DRAWINGS
4. DEMOLISH EXISTING DOOR, FRAME AND ALL HARDWARE.
5. DEMOLISH EXISTING CARPET FLOORING WITHIN ROOM NOTED. REMOVE EXISTING FLOORING DOWN TO EXISTING CONCRETE SLAB AND PREP FOR NEW FLOORING. REMOVED CARPET TO BE PALLETIZED FOR RECYCLING. SEE SPECS FOR DETAILS.
6. EXISTING EXTERIOR WINDOW ASSEMBLY TO REMAIN. PROTECT FROM DAMAGE.
7. REMOVE EXISTING WALL BOARD OFF OF EXISTING STUDS FOR FULL LENGH AND HEIGHT OF WALL INDICATED FOR ASBESTOS ABATEMENT. SEE ABATEMENT DRAWINGS AND SPECIFICATIONS ALSO. REMOVE WOOD PANELING BEHIND GYPSUM WALLBOARD WHERE OCCURS.

ALWAYS THINK SAFETY

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR DEMOLITION PLAN

Designed by: MORTENSON
Drawn by: GRABSTEIN
Checked by: MORTENSON
Approved by: SJBD

Revisions:

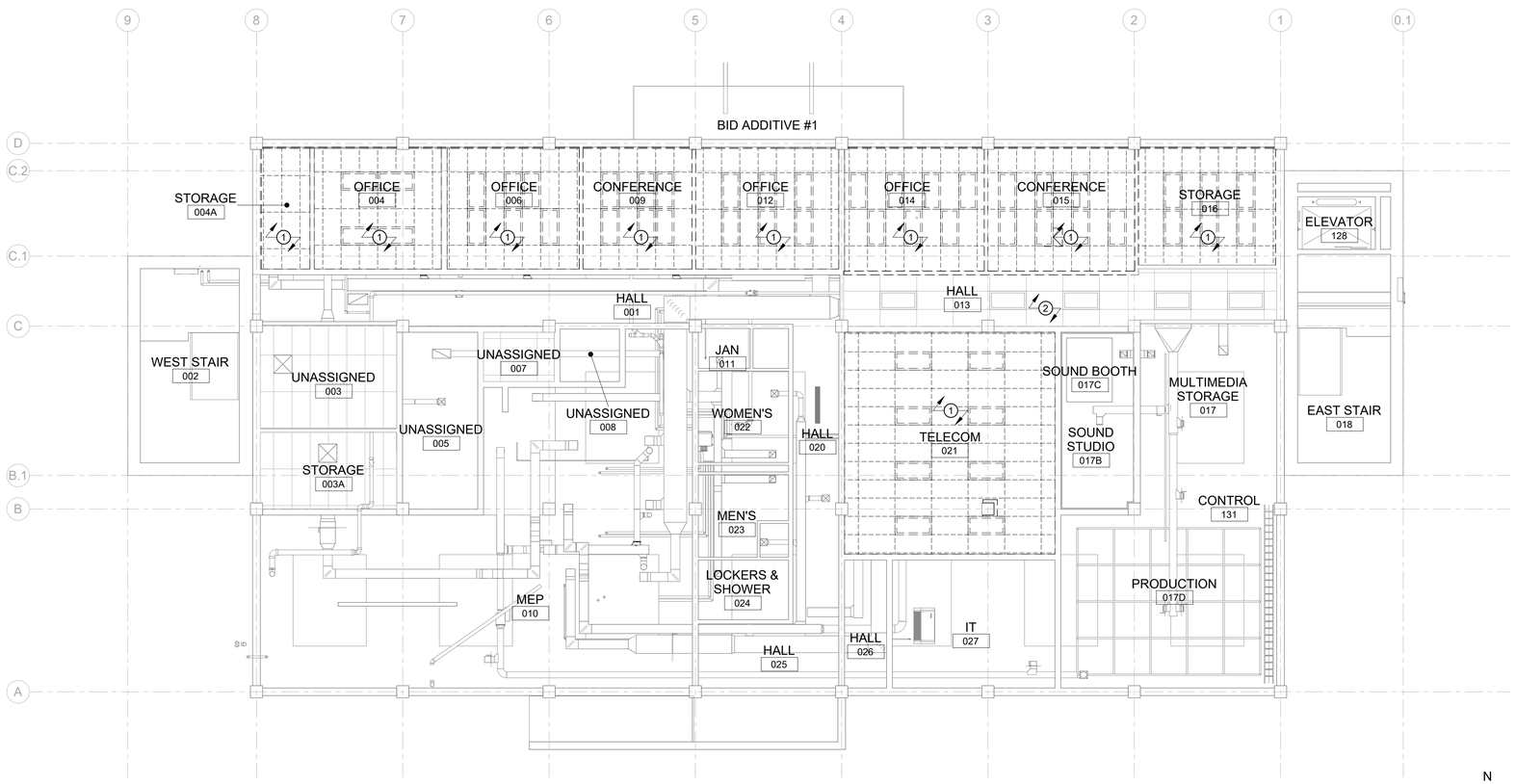
#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT AR 984755
12.2.25
Scott D. Roberts
STATE OF IDAHO

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

AD101

12/2/2025 2:27:56 PM ISSUED FOR CONSTRUCTION U:\tylermortenson\Documents_RevitLocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt



A1 BASEMENT DEMO REFLECTED CEILING PLAN

Cushing Terrell.

cushingterrell.com
800.757.9522

GENERAL SHEET NOTES

A. THESE DRAWINGS ARE BASED UPON EXISTING DRAWINGS AND SITE OBSERVATIONS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WORK.
B. PROTECT ALL EXISTING ITEMS TO REMAIN FROM DAMAGE. PATCH AND REPAIR ALL ITEMS DAMAGED DURING CONSTRUCTION, INCLUDING VOIDS AND FINISHES RESULTING FROM DEMOLITION REMOVALS.
C. MATCH ADJACENT EXISTING CONSTRUCTION FOR ALL NEW CONSTRUCTION.
D. SEE ABATEMENT, FIRE ALARM, FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
E. EXISTING CEILINGS AND ASSOCIATED MECHANICAL AND ELECTRICAL ELEMENTS ARE SHOWN FOR COORDINATION PURPOSES FOR THE NECESSARY DISCIPLINES. VERIFY ALL ITEMS IN FIELD.

PLAN LEGEND

- ITEMS TO BE DEMOLISHED
- ITEMS TO REMAIN
- SURFACE TO BE DEMOLISHED. SEE KEYNOTES FOR DETAILS.
- NAME 101 — EXISTING ROOM NAME AND NUMBER
- X — KEYNOTE
- SIM — DIRECTION OF VIEW, IF APPLICABLE
- 1 XXX000 — DRAWING NUMBER / SHEET WHERE DRAWN
- DIMENSION TO FACE OF FRAMING
- DIMENSION TO GRID LINE
- DIMENSION TO CENTER LINE

SHEET KEYNOTES

1 DEMOLISH EXISTING CEILING, GRIDS, SUSPENSION SYSTEMS, AND LIGHT FIXTURES IN THEIR ENTIRETY. SEE FIRE, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR OTHER WORK TO OCCUR WITHIN ROOM.

2 EXISTING CEILING TO REMAIN. REMOVE GRID AND TILES AS NEEDED FOR ADJACENT WALL DEMOLITION AND CONSTRUCTION. REINSTALL GRID AND TILES AFTER WALL CONSTRUCTION IS COMPLETED.

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: BASEMENT DEMO REFLECTED CEILING PLAN

Designed by: MORTENSON
Drawn by: GRABSTEIN
Checked by: MORTENSON
Approved by: SJBD

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT AR 984755
12.2.25
Scott D. Roberts
STATE OF IDAHO

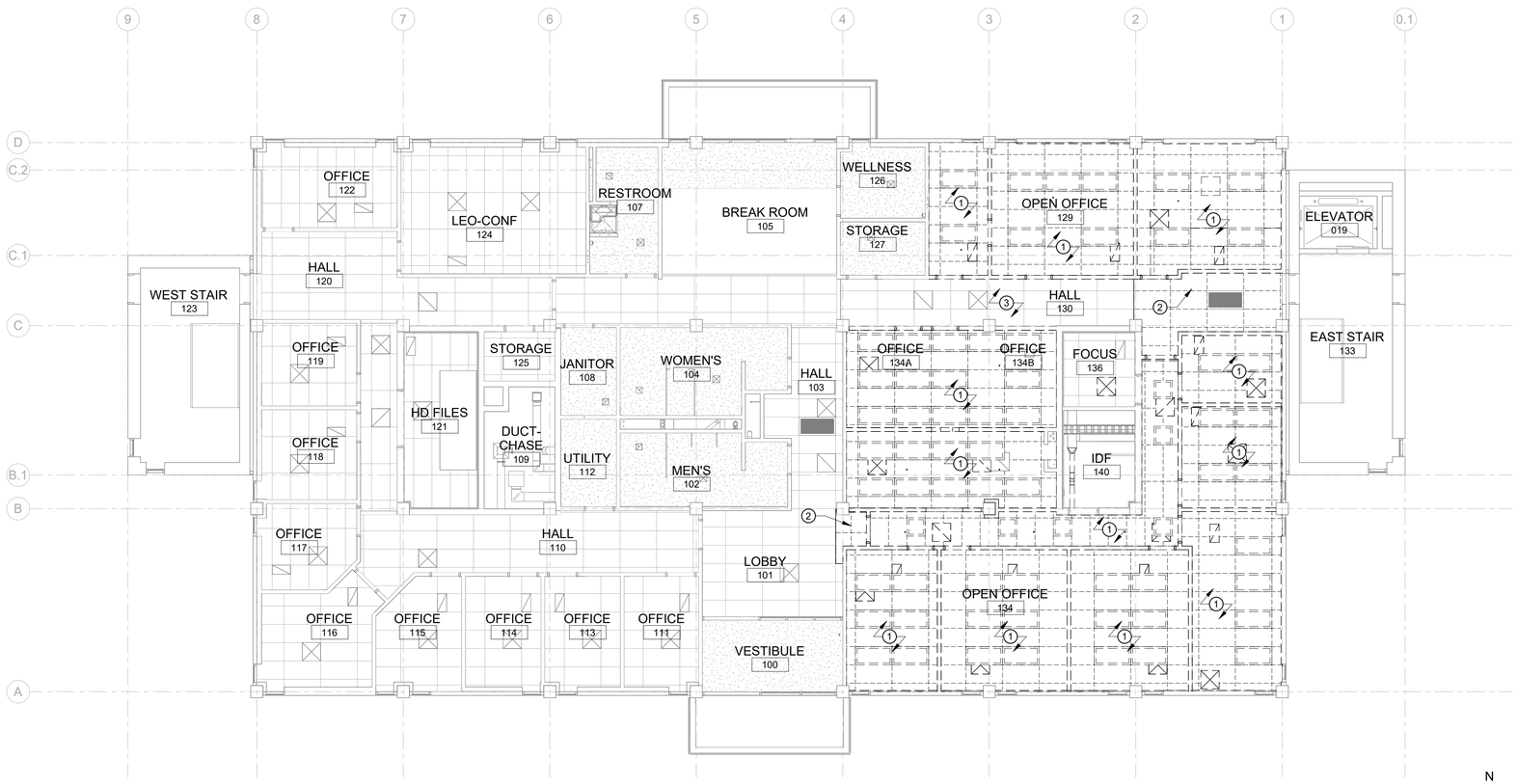
BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

AD102

Sheet 11 of 67

ALWAYS THINK SAFETY

U:\tylermortenson\Documents_RevitLocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt
ISSUED FOR CONSTRUCTION
12/2/2025 2:27:59 PM



A1 FIRST FLOOR DEMO REFLECTED CEILING PLAN

Cushing Terrell
cushingterrell.com
800.757.9522

GENERAL SHEET NOTES

A. THESE DRAWINGS ARE BASED UPON EXISTING DRAWINGS AND SITE OBSERVATIONS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WORK.
B. PROTECT ALL EXISTING ITEMS TO REMAIN FROM DAMAGE. PATCH AND REPAIR ALL ITEMS DAMAGED DURING CONSTRUCTION, INCLUDING VOIDS AND FINISHES RESULTING FROM DEMOLITION REMOVALS.
C. MATCH ADJACENT EXISTING CONSTRUCTION FOR ALL NEW CONSTRUCTION.
D. SEE ABATEMENT, FIRE ALARM, FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
E. EXISTING CEILINGS AND ASSOCIATED MECHANICAL AND ELECTRICAL ELEMENTS ARE SHOWN FOR COORDINATION PURPOSES FOR THE NECESSARY DISCIPLINES. VERIFY ALL ITEMS IN FIELD.

PLAN LEGEND

- ITEMS TO BE DEMOLISHED
- ITEMS TO REMAIN
- SURFACE TO BE DEMOLISHED. SEE KEYNOTES FOR DETAILS.
- NAME 101 — EXISTING ROOM NAME AND NUMBER
- X — KEYNOTE
- SIM — DIRECTION OF VIEW, IF APPLICABLE
- 1 XXX000 — DRAWING NUMBER / SHEET WHERE DRAWN
- DIMENSION TO FACE OF FRAMING
- DIMENSION TO GRID LINE
- DIMENSION TO CENTER LINE

SHEET KEYNOTES

1 DEMOLISH EXISTING CEILING, GRIDS, SUSPENSION SYSTEMS, AND LIGHT FIXTURES IN THEIR ENTIRETY. SEE FIRE, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR OTHER WORK TO OCCUR WITHIN ROOM.

2 DEMOLISH EXISTING CEILING GRID AND TILES TO EXTENT SHOWN. PREPARE EXISTING ADJACENT GRID FOR INSTALLATION OF NEW CEILING IN THIS AREA. SEE CONSTRUCTION PLANS ALSO.

3 EXISTING CEILING TO REMAIN. REMOVE GRID AND TILES AS NEEDED FOR ADJACENT WALL DEMOLITION AND CONSTRUCTION. REINSTALL GRID AND TILES AFTER WALL CONSTRUCTION IS COMPLETED.

ALWAYS THINK SAFETY

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR DEMO REFLECTED CEILING PLAN

Designed by: MORTENSON
Drawn by: GRABSTEIN
Checked by: MORTENSON
Approved by: SJBD

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

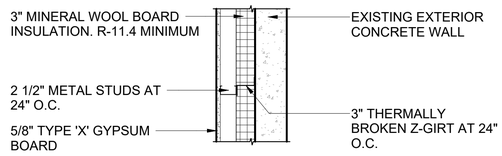
LICENSED ARCHITECT AR 984755
12.2.25
Scott D. Roberts
STATE OF IDAHO

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

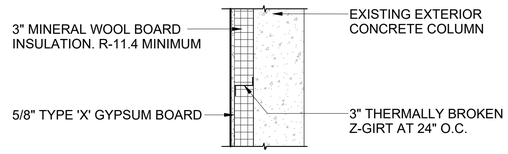
AD103

U:\tylermortenson\Documents_RevitLocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt
ISSUED FOR CONSTRUCTION
12/2/2025 2:28:03 PM

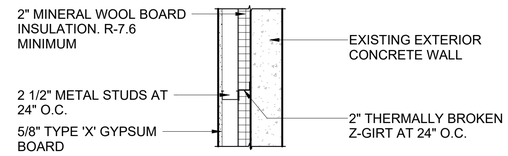
WALL ASSEMBLIES



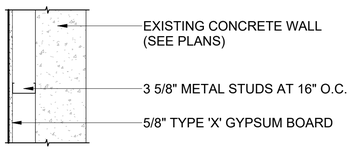
A EXISTING EXT WALL FURRING



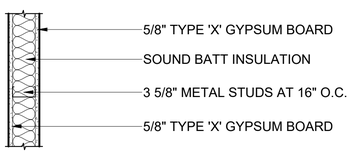
B EXISTING EXT COLUMN FURRING



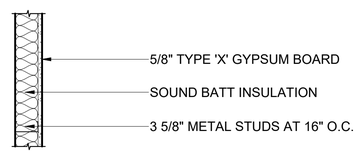
C EXISTING EXT BASEMENT WALL FURRING



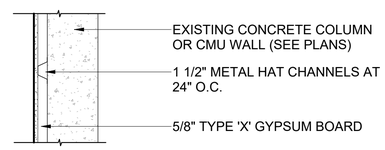
F INTERIOR WALL FURRING



J INTERIOR SOUND PARTITION - STC 49



K INTERIOR FURRING



L INTERIOR COLUMN FURRING

WALL TYPE LEGEND

SCALE: 1" = 1'-0"

GENERAL WALL TYPE NOTES:

A. SEE INTERIOR ELEVATIONS (SHEET A801) AND FINISH SCHEDULE (SHEET A501) FOR WALL FINISHES.
B. PROVIDE BLOCKING AS REQUIRED TO SECURE WALL HUNG COMPONENTS.
C. EXTEND ALL COMPONENTS TO UNDERSIDE OF DECK, UNLESS NOTED OTHERWISE.

WALL TYPE MODIFIERS:

1. NOT USED.

W1 **WALL TYPE DESCRIPTION**

ALWAYS THINK SAFETY

Cushing Terrell
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: LEGEND, NOTES, AND WALL TYPES

Designed by: MORTENSON
Drawn by: GRABSTEIN
Checked by: MORTENSON
Approved by: SJBD

Revisions:

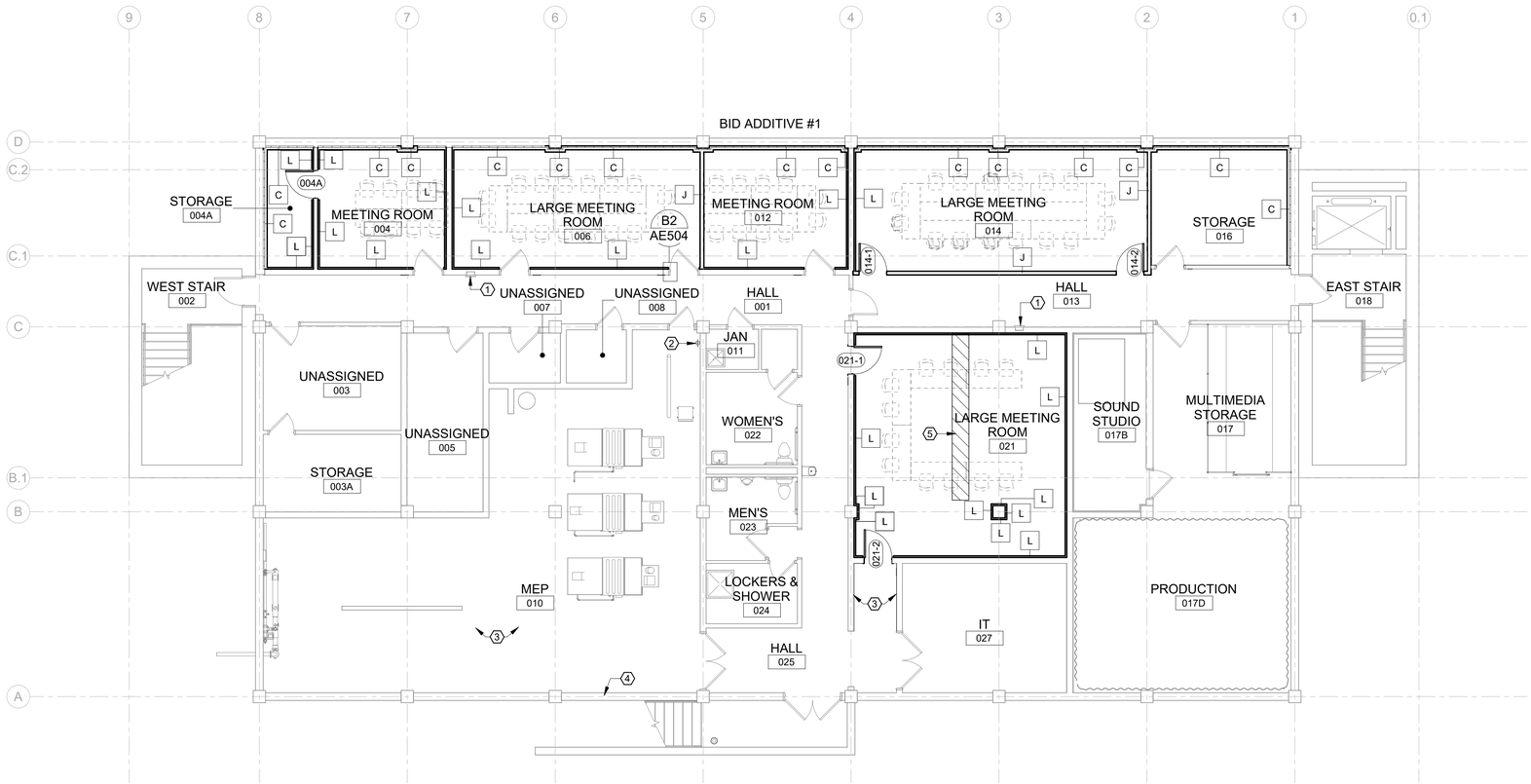
#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT AR 984755
12/2/25
Scott D. Roberts
STATE OF IDAHO

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

AE001

12/2/2025 2:28:05 PM ISSUED FOR CONSTRUCTION U:\tylermortenson\Documents_RevitLocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt



A1 BASEMENT FLOOR PLAN

Cushing Terrell.

cushingterrell.com
800.757.9522

PLAN LEGEND

- X / XX — ASSEMBLY TYPE (SEE ASSEMBLIES SHEET) / ASSEMBLY MODIFIER, PER TYPE
- NEW CONCRETE PATCH
- NAME 101 — ROOM NAME AND NUMBER
- X — WINDOW TYPE (SEE A600s)
- X — KEYNOTE
- SIM / 1 / XXX000 — DIRECTION OF VIEW, IF APPLICABLE / DRAWING NUMBER / SHEET WHERE DRAWN
- 101-1 — DOOR NUMBER (SEE SHEET A601)
- DIMENSION TO FACE OF FRAMING
- DIMENSION TO GRID LINE
- DIMENSION TO CENTER LINE

GENERAL SHEET NOTES

A. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS
B. REFER TO CODE PLANS FOR LOCATIONS OF ANY RATED DOORS AND ASSEMBLIES
C. FOR ANY WALLS NOT LABELLED, USE TYPE MOST CONSISTENT WITH SIMILAR APPLICATIONS/LOCATIONS.
D. ALL STUD WALLS TO HAVE 5" STUD RETURN AT DOORS BETWEEN STUD OPENINGS TO PERPENDICULAR WALL AT HINGE SIDE OF DOOR.
E. SEE ENLARGED PLANS FOR WALL TYPES, TAGS DIMENSIONS, AND ADDITIONAL INFORMATION FOR AREAS SHOWN IN CALLOUTS.
F. ELECTRICAL REQUIREMENTS TO BE COORDINATED WITH FURNITURE VENDOR.
G. SEE ABATEMENT, FIRE ALARM, FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SHEET KEYNOTES

1 EXISTING F.E.C. TO REMAIN, PROTECT FROM DAMAGE.
2 EXISTING F.E. TO REMAIN. PROTECT FROM DAMAGE.
3 PATCH AND REPAIR EXISTING CMU WALL WHERE STAIR & RAILING WERE REMOVED. PAINT TO MATCH ADJACENT WALL SURFACE
4 EXISTING OPENING IN EXTERIOR WALL FROM PRIOR CONSTRUCTION PROJECT. INFILL OPENING WITH MINIMUM R-12 MINERAL WOOL INSULATION.
5 PATCH CONCRETE SLAB ON GRADE AFTER ELECTRICAL FLOOR BOX INSTALLATION. MATCH EXISTING SLAB THICKNESS.

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: BASEMENT FLOOR PLAN

Designed by: MORTENSON
Drawn by: GRABSTEIN
Checked by: MORTENSON
Approved by: SJBD

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT AR 984755
12.2.25
Scott D. Roberts
STATE OF IDAHO

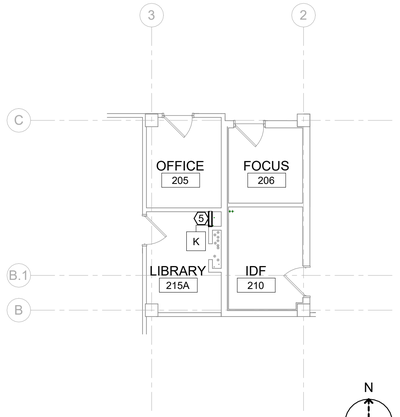
BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

AE100

Sheet 14 of 67

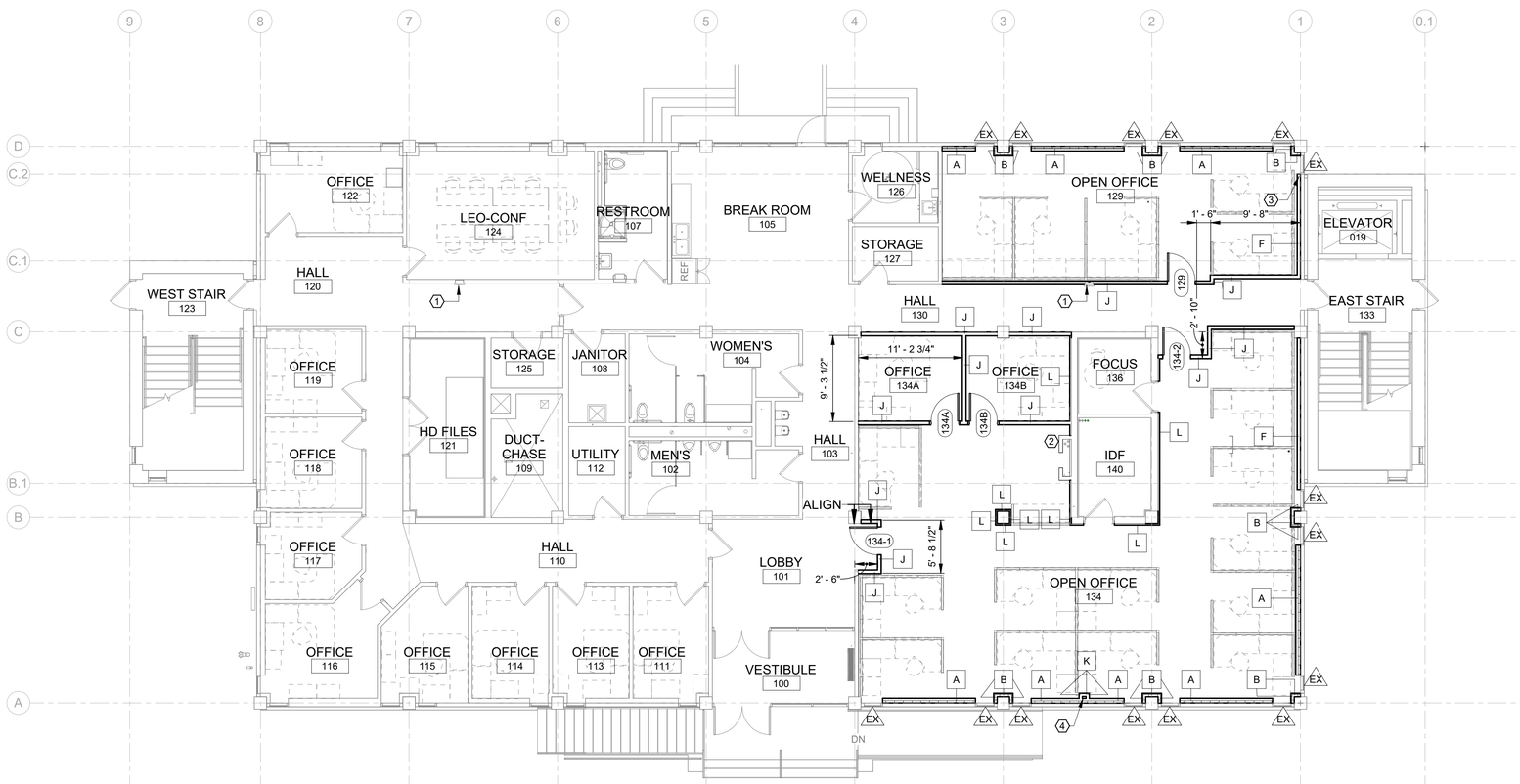
ALWAYS THINK SAFETY

12/2/2025 2:28:09 PM ISSUED FOR CONSTRUCTION U:\tylermortenson\Documents_Revit\Local Temp\LBYDBLM25_TO28_arch24_tylermortenson.rvt



C1 SECOND FLOOR PLAN

0 4' 8' 16'



A1 FIRST FLOOR PLAN

0 4' 8' 16'

Cushing Terrell.

cushingterrell.com
800.757.9522

PLAN LEGEND

- X / XX — ASSEMBLY TYPE (SEE ASSEMBLIES SHEET) / ASSEMBLY MODIFIER, PER TYPE
- NEW CONCRETE PATCH
- NAME 101 — ROOM NAME AND NUMBER
- X — WINDOW TYPE (SEE A600s)
- X — KEYNOTE
- SIM / 1 / XXX000 — DIRECTION OF VIEW, IF APPLICABLE / DRAWING NUMBER / SHEET WHERE DRAWN
- 101-1 — DOOR NUMBER (SEE SHEET A601)
- DIMENSION TO FACE OF FRAMING
- DIMENSION TO GRID LINE
- DIMENSION TO CENTER LINE

GENERAL SHEET NOTES

A. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS
B. REFER TO CODE PLANS FOR LOCATIONS OF ANY RATED DOORS AND ASSEMBLIES
C. FOR ANY WALLS NOT LABELLED, USE TYPE MOST CONSISTENT WITH SIMILAR APPLICATIONS/LOCATIONS.
D. ALL STUD WALLS TO HAVE 5" STUD RETURN AT DOORS BETWEEN STUD OPENINGS TO PERPENDICULAR WALL AT HINGE SIDE OF DOOR.
E. SEE ENLARGED PLANS FOR WALL TYPES, TAGS DIMENSIONS, AND ADDITIONAL INFORMATION FOR AREAS SHOWN IN CALLOUTS.
F. ELECTRICAL REQUIREMENTS TO BE COORDINATED WITH FURNITURE VENDOR.
G. SEE ABATEMENT, FIRE ALARM, FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SHEET KEYNOTES

1 NEW F.E.C.
2 EXISTING PIPE CHASE TO REMAIN. PAINT DOOR TO MATCH SURROUNDING WALL FINISH.
3 INSTALL THERMAL BATT INSULATION TO FULL THICKNESS OF FURRING FOR MINIMUM 24" FROM WINDOW.
4 EXISTING ROOF DRAIN PIPE, PROTECT FROM DAMAGE. INSTALL NEW FURRED WALLS AROUND PIPE AS SHOWN.
5 NEW PIPE CHASE, SEE MECHANICAL. FINISH AND PAINT WALL TO MATCH ADJACENT WALLS. INSTALL WALL BASE TO MATCH ADJACENT WALLS.

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR PLAN

Designed by: MORTENSON
Drawn by: GRABSTEIN
Checked by: MORTENSON
Approved by: SJBD

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT AR 984755
12/2/25
Scott D. Roberts
STATE OF IDAHO

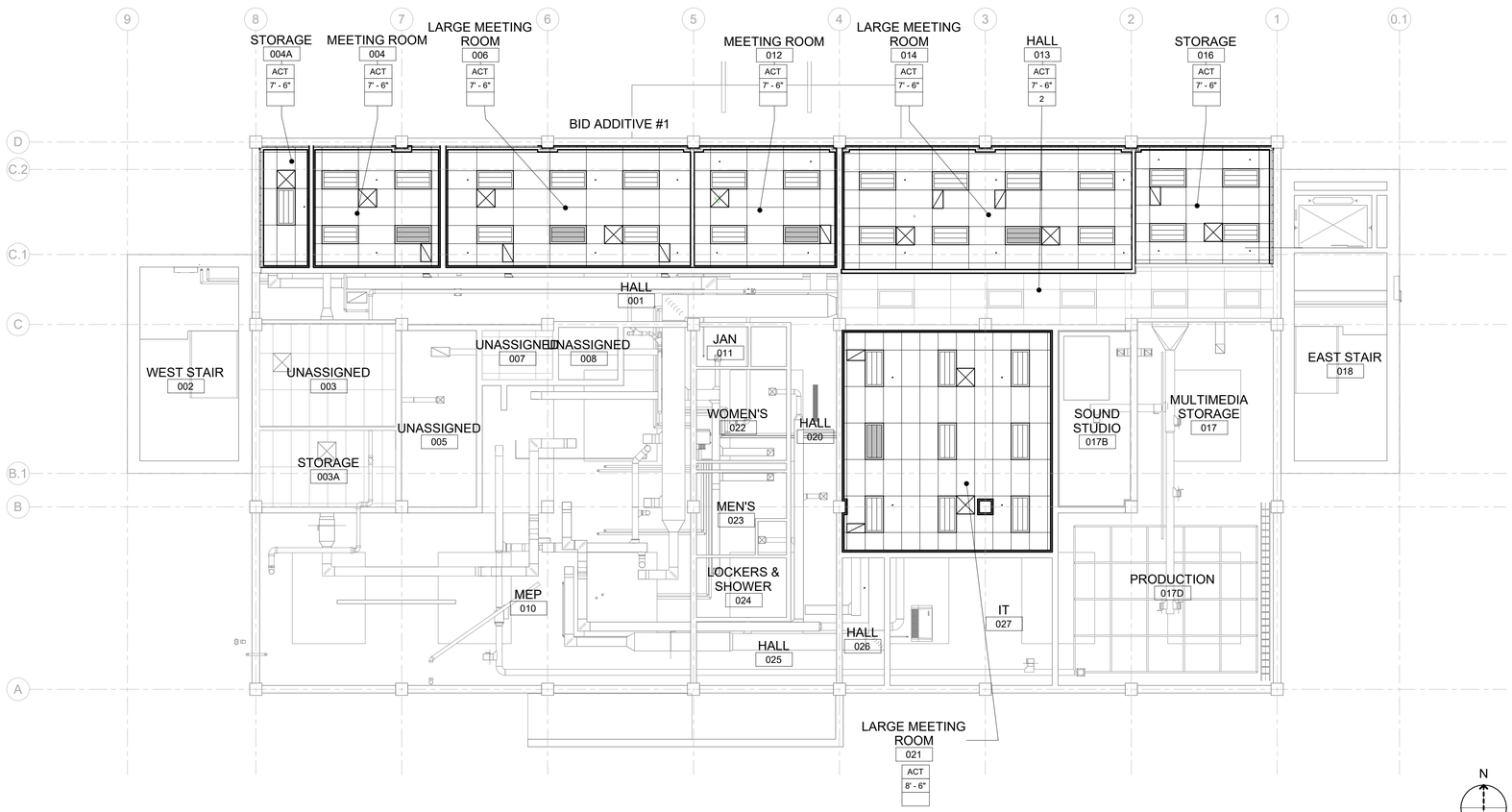
BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

AE101

Sheet 15 of 67

ALWAYS THINK SAFETY

1/5/2026 2:25:38 PM ISSUED FOR CONSTRUCTION U:\tylermortenson\Documents_RevitLocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt



A1 BASEMENT REFLECTED CEILING PLAN

Cushing Terrell.

cushingterrell.com
800.757.9522

REFLECTED CEILING LEGEND

CEILING MATERIAL — ACT
CEILING HEIGHT — 0'-0 0/0"
ADDITIONAL NOTES — NOTES

ACT
2X4 ACOUSTICAL LAY-IN CEILING

EXISTING CEILING
EXISTING 2X4 CEILING

GYP
GYPSUM BOARD CEILING - PAINT

EXP
EXPOSED STRUCTURE AND DECK - PAINT

EX
EXISTING

LIGHTING - SEE ELECTRICAL

HVAC REGISTERS - SEE MECHANICAL

CEILING HEIGHT

VAR VARIES

CEILING GENERAL NOTES

A. SPACE ABOVE CEILINGS WILL BE USED FOR PLENUM AIR RETURN. ALL MATERIALS IN THIS SPACE SHALL BE NONCOMBUSTIBLE.

ADDITIONAL NOTES

1. PROVIDE NEW CEILING GRID AND TILE IN THIS AREA, CONTINUOUS WITH EXISTING CEILING. MATCH EXISTING CEILING HEIGHT.
2. EXISTING CEILING TO REMAIN. REINSTALL ALL CEILING GRID AND TILES REMOVED FOR DEMOLITION OR CONSTRUCTION. REPLACE ANY CEILING GRID OR TILES DAMAGED BY CONSTRUCTION ACTIVITIES.

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: BASEMENT REFLECTED CEILING PLAN

Designed by: MORTENSON
Drawn by: GRABSTEIN
Checked by: MORTENSON
Approved by: SJBD

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT AR 984755
12.2.25
Scott D. Roberts
STATE OF IDAHO

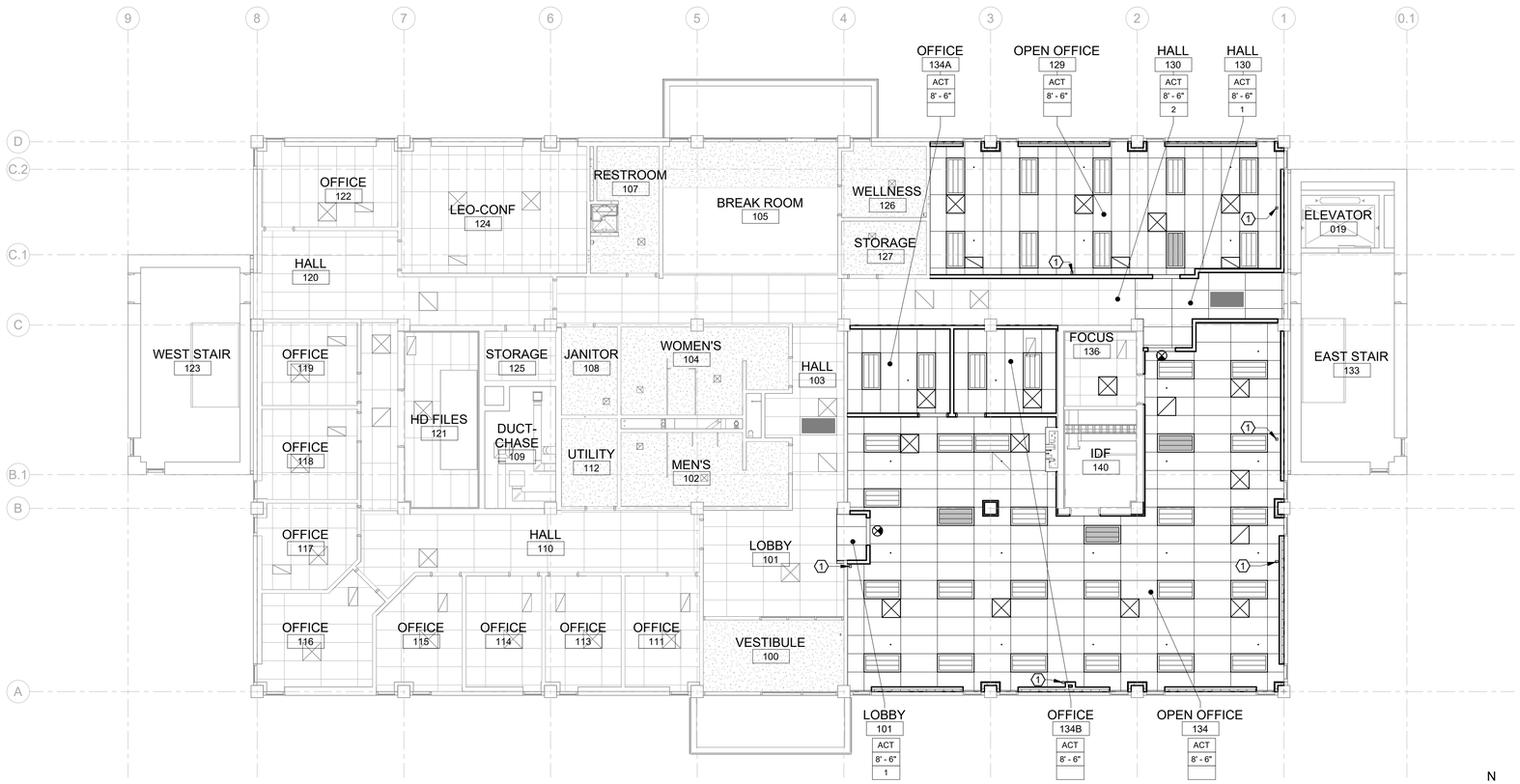
BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

AE103

Sheet 16 of 67

ALWAYS THINK SAFETY

12/2/2025 2:28:15 PM ISSUED FOR CONSTRUCTION U:\tylermortenson\Documents_RevitLocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt



A1 FIRST FLOOR REFLECTED CEILING PLAN

Cushing Terrell.

cushingterrell.com
800.757.9522

REFLECTED CEILING LEGEND

CEILING MATERIAL — ACT
CEILING HEIGHT — 0'-0 0/0"
ADDITIONAL NOTES — NOTES

ACT
2X4 ACOUSTICAL LAY-IN CEILING

EXISTING CEILING
EXISTING 2X4 CEILING

GYP
GYPSUM BOARD CEILING - PAINT

EXP
EXPOSED STRUCTURE AND DECK - PAINT

EX
EXISTING

LIGHTING - SEE ELECTRICAL

HVAC REGISTERS - SEE MECHANICAL

CEILING HEIGHT
VAR VARIES

CEILING GENERAL NOTES

A. SPACE ABOVE CEILINGS WILL BE USED FOR PLENUM AIR RETURN. ALL MATERIALS IN THIS SPACE SHALL BE NONCOMBUSTIBLE.

ADDITIONAL NOTES

1. PROVIDE NEW CEILING GRID AND TILE IN THIS AREA, CONTINUOUS WITH EXISTING CEILING. MATCH EXISTING CEILING HEIGHT.
2. EXISTING CEILING TO REMAIN. REINSTALL ALL CEILING GRID AND TILES REMOVED FOR DEMOLITION OR CONSTRUCTION. REPLACE ANY CEILING GRID OR TILES DAMAGED BY CONSTRUCTION ACTIVITIES.

SHEET KEYNOTES

1 NEW FURNITURE POWER POLES, COORDINATE FINAL LOCATIONS WITH FURNITURE VENDOR. CUT AND TRIM CEILING AS NEEDED FOR POWER POLE INSTALLATION.

ALWAYS THINK SAFETY

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR REFLECTED CEILING PLAN

Designed by: MORTENSON
Drawn by: GRABSTEIN
Checked by: MORTENSON
Approved by: SJBD

Revisions:

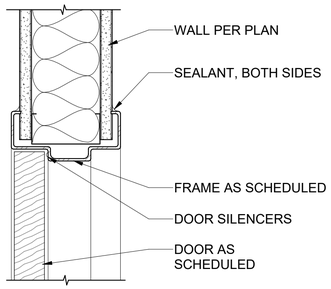
#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT AR 984755
12/2/25
Scott D. Roberts
STATE OF IDAHO

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

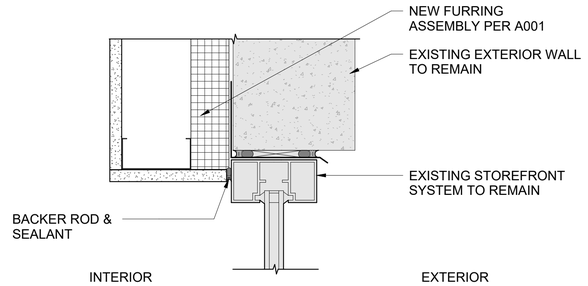
AE104

12/2/2025 2:28:20 PM ISSUED FOR CONSTRUCTION U:\tylermortenson\Documents_RevitLocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt



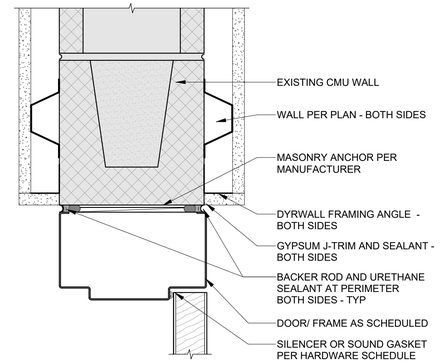
C1 TYP. INTERIOR HM DOOR HEAD/JAMB

0 0.125' 0.25' 0.5' 0.75'



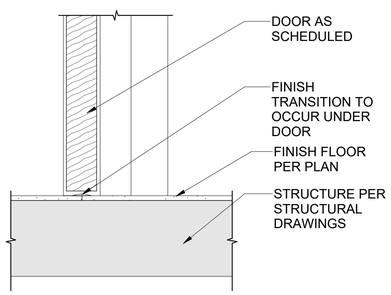
C2 EXT. STOREFRONT HEAD

0 0.125' 0.25' 0.5' 0.75'



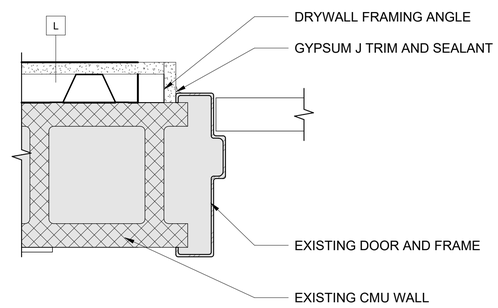
C4 TYP. INTERIOR HM DOOR HEAD

0 0.125' 0.25' 0.5' 0.75'



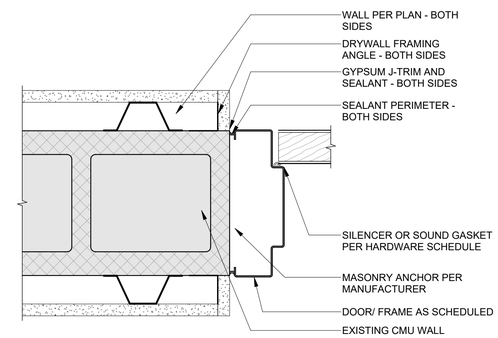
B1 TYP. INTERIOR HM SILL

0 0.125' 0.25' 0.5' 0.75'



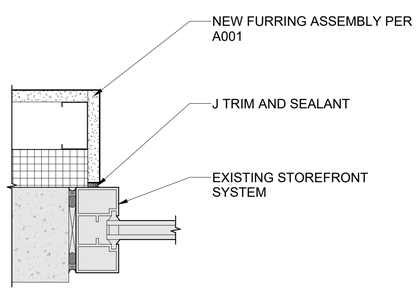
B2 NEW FURRING AT EXISTING DOOR FRAME

0 0.125' 0.25' 0.5' 0.75'



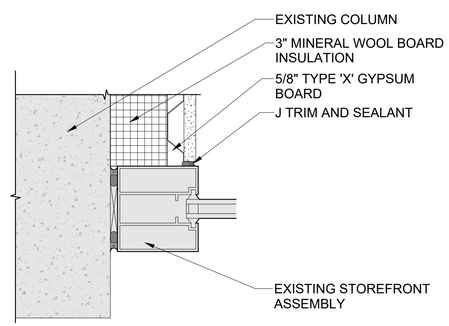
B4 TYP. INTERIOR HM DOOR JAMB

0 0.125' 0.25' 0.5' 0.75'



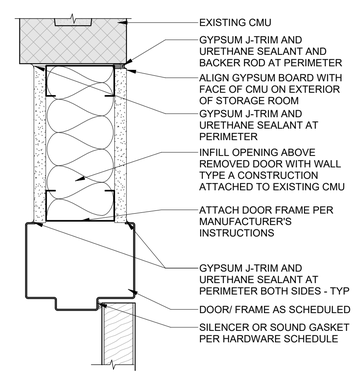
A1 SF JAMB AT EXISTING CONCRETE WALL

0 0.125' 0.25' 0.5' 0.75'



A2 SF JAMB AT EXISTING COLUMN

0 0.125' 0.25' 0.5' 0.75'



A4 INTERIOR HM DOOR HEAD @ CMU

0 0.125' 0.25' 0.5' 0.75'

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: WINDOW & DOOR DETAILS

Designed by: MORTENSON
Drawn by: GRABSTEIN
Checked by: MORTENSON
Approved by: SJBD

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT AR 984755
12.2.25
Scott D. Roberts
STATE OF IDAHO

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

AE504

U:\tylermortenson\Documents_RevitLocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt
ISSUED FOR CONSTRUCTION
12/2/2025 2:28:22 PM

DOOR, FRAME AND HARDWARE SCHEDULE BASEMENT

DOOR NUMBER	ROOM NUMBER	ROOM NAME	DOOR SIZE W	DOOR SIZE H	DOOR SIZE T	DOOR MTL	DOOR TYPE	DOOR GLAZE	DOOR NOTES	FRAME MTL	FRAME TYPE	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	FRAME NOTES	FIRE RATING	HARDWARE GROUP	HARDWARE NOTES
004A	004A	STORAGE	3' - 0"	7' - 0"	0' - 1 3/4"	WD	F		-	HM	1	C4/AE504	B4/AE504	B1/AE504	-	-	4	-
014-1	014	LARGE MEETING ROOM	3' - 0"	7' - 0"	0' - 1 3/4"	WD	VL	T	-	HM	1	C1/AE504	C1/AE504	B1/AE504	-	-	3	-
014-2	014	LARGE MEETING ROOM	3' - 0"	7' - 0"	0' - 1 3/4"	WD	VL	T	-	HM	1	C1/AE504	C1/AE504	B1/AE504	-	-	3	-
021-1	021	LARGE MEETING ROOM	3' - 0"	7' - 0"	0' - 1 3/4"	WD	VL	T	-	HM	1	C1/AE504	C1/AE504	B1/AE504	-	-	3	-
021-2	021	LARGE MEETING ROOM	3' - 0"	7' - 0"	0' - 1 3/4"	WD	VL	T	-	HM	1	A4/AE504	C1/AE504	B1/AE504	-	-	3	-

DOOR, FRAME AND HARDWARE SCHEDULE FIRST FLOOR PLAN

DOOR NUMBER	ROOM NUMBER	ROOM NAME	DOOR SIZE W	DOOR SIZE H	DOOR SIZE T	DOOR MTL	DOOR TYPE	DOOR GLAZE	DOOR NOTES	FRAME MTL	FRAME TYPE	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	FRAME NOTES	FIRE RATING	HARDWARE GROUP	HARDWARE NOTES
129	129	OPEN OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	WD	VL	T	-	HM	1	C1/AE504	C1/AE504	B1/AE504	-	-	1A	-
134-1	134	OPEN OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	WD	VL	T	-	HM	1	C1/AE504	C1/AE504	B1/AE504	-	-	1A	-
134-2	134	OPEN OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	WD	VL	T	-	HM	1	C1/AE504	C1/AE504	B1/AE504	-	-	1A	-
134A	134A	OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	WD	VL	T	-	HM	2	C1/AE504	C1/AE504	B1/AE504	-	-	2	-
134B	134B	OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	WD	VL	T	-	HM	2	C1/AE504	C1/AE504	B1/AE504	-	-	2	-

GENERAL NOTES

A. FOR FRAME TYPE LOCATIONS, RE: FLOOR PLAN AND ELEVATION SHEETS.
B. FIELD VERIFY ALL ROUGH OPENING DIMENSIONS PRIOR TO FABRICATION/ INSTALLATION.
C. PROVIDE ONE ELECTRICAL CONDUIT RUN FROM DOOR STRIKE TO ABOVE ADJACENT CEILING SPACE AS NEEDED FOR DOORS TO RECEIVE ELECTRIC HARDWARE.
D. SEAL ALL PENETRATIONS IN ALL STC RATED WALLS WITH ACOUSTICAL SEALANT. SEE AE001 FOR STC WALLS.

ABBREVIATIONS

FF	FACTORY FINISH
HM	HOLLOW METAL
PT	PAINT
ST	STEEL
T	1/4" TEMPERED GLAZING (MONOLITHIC)
WD	SOLID CORE WOOD
VL	VISION LITE

DOOR/FRAME NOTES

1. NOT USED

HARDWARE NOTES

1. NOT USED

GLAZING TYPES

T TEMPERED GLAZING

DOOR HARDWARE

GROUP 1 - HALLWAYS
- PASSAGE LOCKSET
- HINGES
- DOOR STOP/ HOLD-OPEN
- DOOR SILENCERS

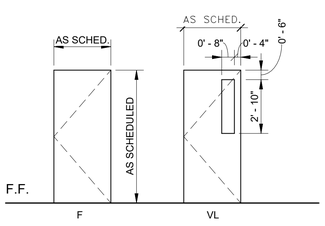
GROUP 1A - HALLWAYS W/ SECURITY
- ELECTROMECHANICAL PASSAGE LOCKSET
- HINGES
- ELECTRIFIED HINGE
- DOOR STOP/ HOLD-OPEN
- DOOR POSITION SWITCH
- CARD READER
- DOOR SILENCERS

GROUP 2 - OFFICES
- CLASSROOM LOCKSET
- HINGES
- DOOR STOP/ HOLD-OPEN
- DOOR SILENCERS

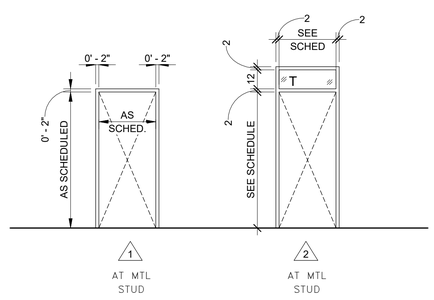
GROUP 3 - CONFERENCE/SHARED USE SPACES
- PASSAGE LOCKSET
- HINGES
- DOOR STOP/ HOLD-OPEN
- DOOR SILENCERS

GROUP 4 - STORAGE
- STOREROOM LOCKSET
- HINGES
- DOOR STOP
- HOLD-OPEN CLOSER
- DOOR SILENCERS

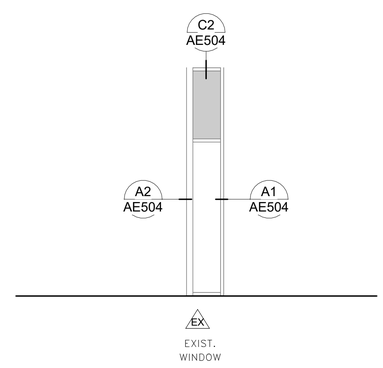
DOOR TYPES



HOLLOW METAL FRAME TYPES



WINDOW TYPES



ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: DOOR SCHEDULES AND ELEVATIONS

Designed by: MORTENSON
Drawn by: GRABSTEIN
Checked by: MORTENSON
Approved by: SJBD

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT AR 984755
12.2.25
Scott D. Roberts
STATE OF IDAHO

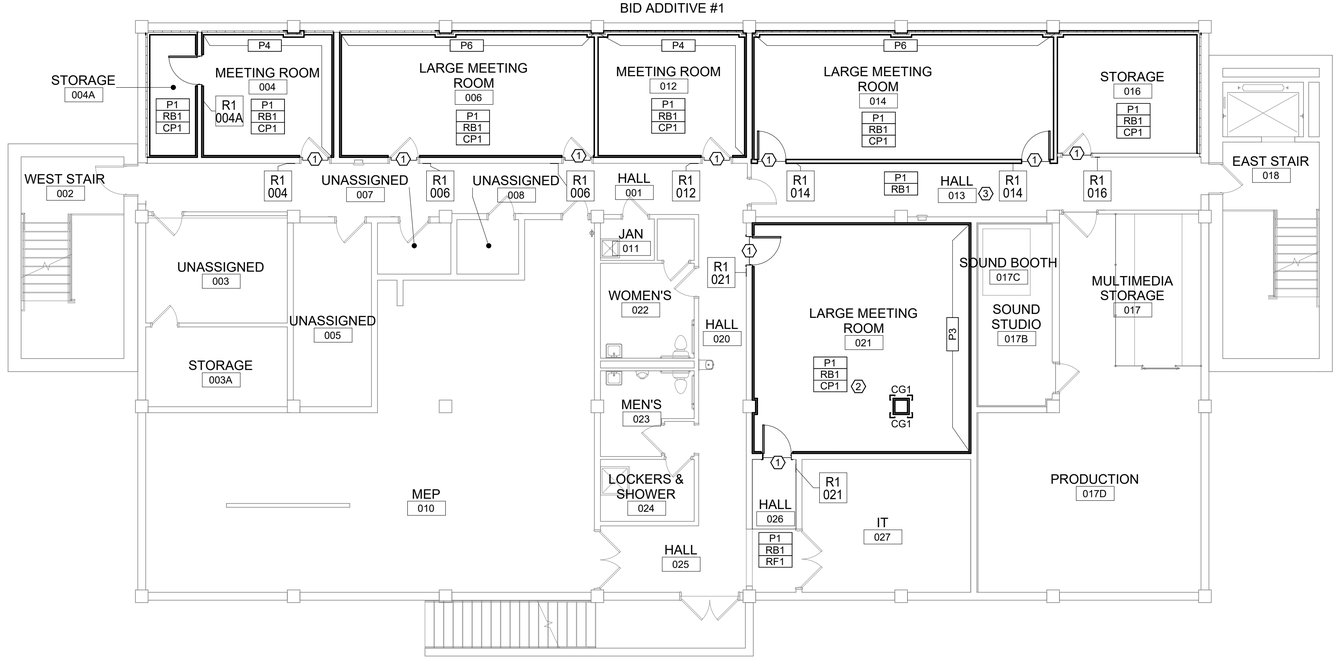
BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

AE601

U:\tylermortenson\Documents_Revit\LocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt
12/2/2025 2:28:25 PM ISSUED FOR CONSTRUCTION

BASEMENT SIGNAGE SCHEDULE					
MARK	ROOM NAME	ROOM NUMBER	Sign Type	Sign Text	NOTES
BASEMENT					
	MEETING ROOM	004	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.
	STORAGE	004A	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.
	LARGE MEETING ROOM	014	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.
	LARGE MEETING ROOM	006	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.
	MEETING ROOM	012	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.
	LARGE MEETING ROOM	014	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.
	LARGE MEETING ROOM	014	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.
	STORAGE	016	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.
	LARGE MEETING ROOM	021	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.
	LARGE MEETING ROOM	021	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.

BID ADDITIVE #1



A1 BASEMENT FINISH FLOOR PLAN

FINISH PLAN LEGEND

NAME 101 — ROOM NAME AND NUMBER

A8## # — INTERIOR ELEVATION CALLOUT AND DIRECTION OF ELEVATION VIEW

XX### — FINISH TAG

XX### — EXTENT OF ACCENT PAINT OR WALL FINISHES

FINISH TAGS DISPLAYED IN GROUPING ON FINISH PLAN REPRESENT MAJORITY ROOM FINISH SELECTIONS. ORDER OF GROUPING DEFINED IN EXAMPLE BELOW:

XX### — MAJORITY WALL FINISH
XX### — MAJORITY BASE FINISH
XX### — MAJORITY FLOOR FINISH

L # — LOCATION AND TYPE OF CORNER GUARDS

SIGNAGE LEGEND

R — SIGN TYPE
000 — ROOM NUMBER

GENERAL FINISH NOTES

A. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
B. ALL PRODUCTS ARE TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS, USING MANUFACTURER'S ADHESIVES, TOOLS, AND METHODS.
C. COORDINATE ALL OWNER FURNISHED EQUIPMENT, ACCESSORIES, AND FURNITURE WITH OWNER AND/OR OWNER 'S VENDOR.
D. ALL FLOOR TRANSITIONS ARE TO OCCUR DIRECTLY BENEATH DOORS, ALIGNED WITH CORNERS OR CENTERED IN OPENING UNLESS NOTED OTHERWISE.
E. ALL FLOOR TRANSITIONS ARE TO BE ABA COMPLIANT.
F. PREP FLOOR AS REQUIRED FOR NEW FLOOR FINISHES PRIOR TO INSTALLATION, INCLUDING FLOOR LEVELER.
G. PROVIDE STAINLESS STEEL TRANSITION STRIPS/REDUCERS AT ALL LOCATIONS WHERE CERAMIC TILE MEETS A DIFFERENT FLOOR MATERIAL. PROVIDE RUBBER TRANSITION STRIPS/REDUCERS AT ALL OTHER LOCATIONS BETWEEN DIFFERING FLOOR MATERIALS.
H. WALL TILE TO HAVE SCHLUTER TRIM AT EXPOSED EDGES. REFER TO ELEVATIONS FOR TILE PATTERNS.
I. REFER TO FINISH PLAN FOR LOCATION OF CORNER GUARDS. ALL CORNER GUARDS ARE TO BE INSTALLED WITH BOTTOM OF CORNERGUARD AT TOP OF WALL BASE.
J. ALL GYPSUM WALLS TO BE PAINTED 'P1' UNLESS OTHERWISE NOTED.
K. ALL NEW GYPSUM WALLS TO BE FINISHED WITH A SMOOTH TEXTURE. SEE SPECS. REFERENCE FINISH PLAN FOR OTHER FINISHES.
L. EXISTING WALLS IN AREAS NOTED OUTSIDE OF SCOPE TO REMAIN AS-IS. EXISTING WALLS IN SCOPE TO BE FINISHED SIMILAR TO NEW WALLS.
M. ALL GYPSUM CEILINGS AND SOFFITS TO BE PAINTED 'PC1' UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN.
N. ALL CEILINGS OPEN TO STRUCTURE (OTS) TO BE PAINTED 'P1' UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN. INCLUDE ALL EXPOSED STRUCTURAL AND MECHANICAL COMPONENTS, ELECTRICAL CONDUIT, ETC.
O. ALL HOLLOW METAL FRAMES TO BE PAINTED 'P2' UNLESS OTHERWISE NOTED.
P. ALL METAL ACCESS PANELS, COVER PLATES, VENTS, AND GRILLES TO BE PAINTED TO MATCH THE SURFACE IT IS LOCATED ON.
Q. ALL SOLID SURFACE COUNTERTOPS ARE TO BE 'SS1' AND HAVE EASED EDGES. ADJACENT SOLID SURFACE BACKSPLASHES TO MATCH.
R. ALL WINDOW TREATMENTS ARE TO BE FIELD MEASURED, INSTALLED WITH ALL COMPONENTS, AND INSIDE MOUNTED AND WITH VALANCES UNO. CONTRACTOR TO PROVIDE BLOCKING.

SHEET KEYNOTES

1 TR1 AT DOORWAY OR THRESHOLD.
2 FLOORING TO BE QUARTER TURN INSTALL.
3 PROTECT EXISTING FLOORING AND WALL BASE WHERE WALL CONSTRUCTION OCCURS. WHERE NEW WALLS ARE CONSTRUCTED, REPLACE WALL BASE WITH RB1.

ALWAYS THINK SAFETY

Cushing Terrell
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: BASEMENT FINISH FLOOR PLAN

Designed by: EDWARDS
Drawn by: MACKENZIE
Checked by: MORTENSON
Approved by: SJBD

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

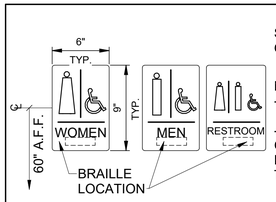
LICENSED ARCHITECT AR 984755
12.2.25
Scott D. Roberts
STATE OF IDAHO

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

INT-100

12/2/2025 2:28:28 PM ISSUED FOR CONSTRUCTION U:\tylermortenson\Documents_RevitLocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt

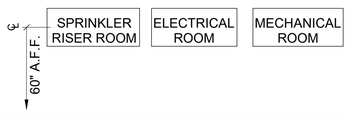
FIRST FLOOR SIGNAGE SCHEDULE					
MARK	ROOM NAME	ROOM NUMBER	Sign Type	Sign Text	NOTES
FIRST FLOOR					
	OPEN OFFICE	129	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.
	OPEN OFFICE	134	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.
	OPEN OFFICE	134	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.
	OFFICE	141	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.
	OFFICE	142	R1	COORDINATE W/ GOVERNMENT	10" X 4" SIGN WITH BRUSHED METAL FINISH AND BLACK RAISED LETTERING WITH BRAILLE. INCLUDE ROOM NAME AND ROOM NUMBER.



SUPPLY NECESSARY RESTROOM SIGN OUTSIDE EACH RESTROOM DOOR

NOTE:
- ALL SIGNAGE TO COMPLY WITH ABA

- UNI RESTROOM SIGNS SHALL BE GENDER NON-BINARY, THE PICTOGRAM APPROVED BY BLM PRIOR TO FABRICATION



FINISH PLAN LEGEND

- NAME 101 — ROOM NAME AND NUMBER
- A8## # — INTERIOR ELEVATION CALLOUT AND DIRECTION OF ELEVATION VIEW
- XX### — FINISH TAG
- XX### — EXTENT OF ACCENT PAINT OR WALL FINISHES

FINISH TAGS DISPLAYED IN GROUPING ON FINISH PLAN REPRESENT MAJORITY ROOM FINISH SELECTIONS. ORDER OF GROUPING DEFINED IN EXAMPLE BELOW:

- XX### — MAJORITY WALL FINISH
- XX### — MAJORITY BASE FINISH
- XX### — MAJORITY FLOOR FINISH

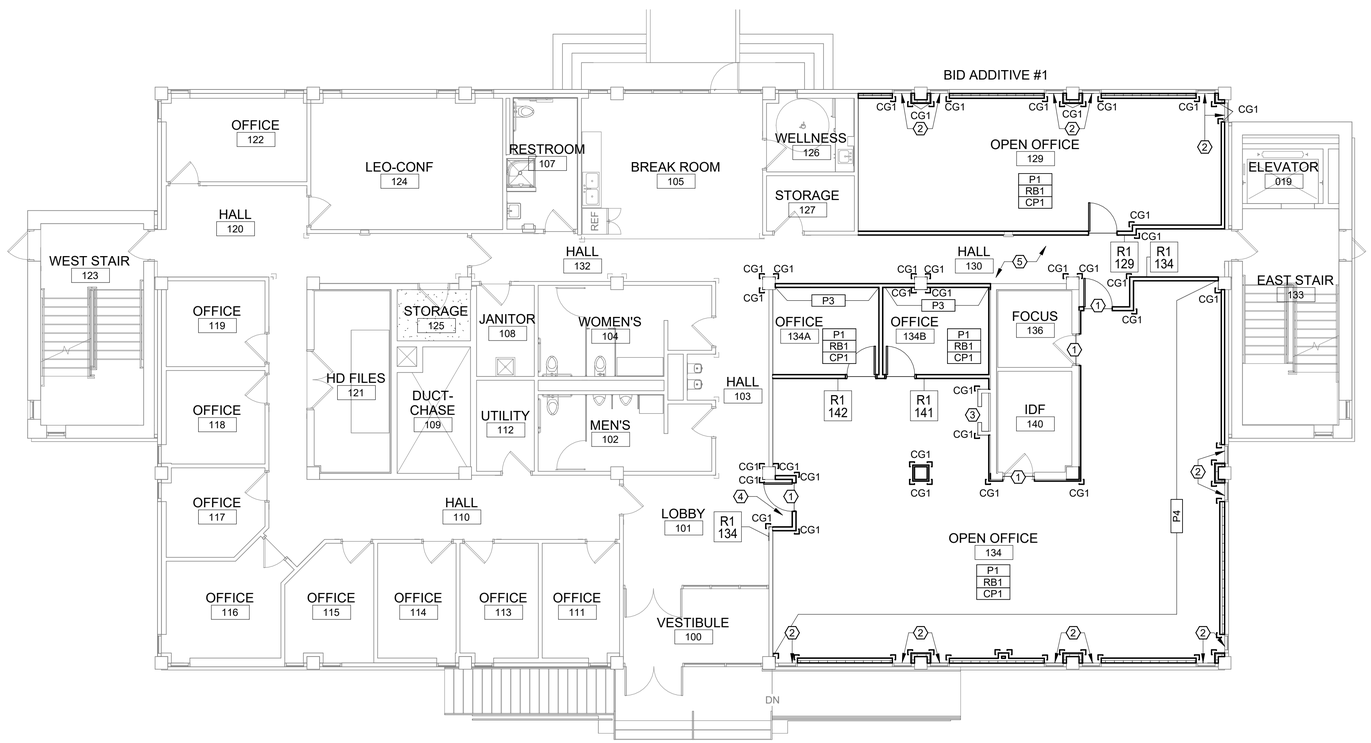
L# — LOCATION AND TYPE OF CORNER GUARDS

SIGNAGE LEGEND

- R — SIGN TYPE
- 000 — ROOM NUMBER

GENERAL FINISH NOTES

A. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
B. ALL PRODUCTS ARE TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS, USING MANUFACTURER'S ADHESIVES, TOOLS, AND METHODS.
C. COORDINATE ALL OWNER FURNISHED EQUIPMENT, ACCESSORIES, AND FURNITURE WITH OWNER AND/OR OWNER 'S VENDOR.
D. ALL FLOOR TRANSITIONS ARE TO OCCUR DIRECTLY BENEATH DOORS, ALIGNED WITH CORNERS OR CENTERED IN OPENING UNLESS NOTED OTHERWISE.
E. ALL FLOOR TRANSITIONS ARE TO BE ABA COMPLIANT.
F. PREP FLOOR AS REQUIRED FOR NEW FLOOR FINISHES PRIOR TO INSTALLATION, INCLUDING FLOOR LEVELER.
G. PROVIDE STAINLESS STEEL TRANSITION STRIPS/REDUCERS AT ALL LOCATIONS WHERE CERAMIC TILE MEETS A DIFFERENT FLOOR MATERIAL. PROVIDE RUBBER TRANSITION STRIPS/REDUCERS AT ALL OTHER LOCATIONS BETWEEN DIFFERING FLOOR MATERIALS.
H. WALL TILE TO HAVE SCHLUTER TRIM AT EXPOSED EDGES. REFER TO ELEVATIONS FOR TILE PATTERNS.
I. REFER TO FINISH PLAN FOR LOCATION OF CORNER GUARDS. ALL CORNER GUARDS ARE TO BE INSTALLED WITH BOTTOM OF CORNERGUARD AT TOP OF WALL BASE.
J. ALL GYPSUM WALLS TO BE PAINTED 'P1' UNLESS OTHERWISE NOTED.
K. ALL NEW GYPSUM WALLS TO BE FINISHED WITH A SMOOTH TEXTURE. SEE SPECS. REFERENCE FINISH PLAN FOR OTHER FINISHES.
L. EXISTING WALLS IN AREAS NOTED OUTSIDE OF SCOPE TO REMAIN AS-IS. EXISTING WALLS IN SCOPE TO BE FINISHED SIMILAR TO NEW WALLS.
M. ALL GYPSUM CEILINGS AND SOFFITS TO BE PAINTED 'PC1' UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN.
N. ALL CEILINGS OPEN TO STRUCTURE (OTS) TO BE PAINTED 'P1' UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN. INCLUDE ALL EXPOSED STRUCTURAL AND MECHANICAL COMPONENTS, ELECTRICAL CONDUIT, ETC.
O. ALL HOLLOW METAL FRAMES TO BE PAINTED 'P2' UNLESS OTHERWISE NOTED.
P. ALL METAL ACCESS PANELS, COVER PLATES, VENTS, AND GRILLES TO BE PAINTED TO MATCH THE SURFACE IT IS LOCATED ON.
Q. ALL SOLID SURFACE COUNTERTOPS ARE TO BE 'SS1' AND HAVE EASED EDGES. ADJACENT SOLID SURFACE BACKSPLASHES TO MATCH.
R. ALL WINDOW TREATMENTS ARE TO BE FIELD MEASURED, INSTALLED WITH ALL COMPONENTS, AND INSIDE MOUNTED AND WITH VALANCES UNO. CONTRACTOR TO PROVIDE BLOCKING.



A1 FIRST FLOOR FINISH PLAN

0 4' 8' 16'

SHEET KEYNOTES

1. TR1 AT DOORWAY OR THRESHOLD.
2. COORDINATE MEASURMENTS FOR ROLLER SHADES 'WS1' AT NOTED LOCATION.
3. PAINT DOOR 'P1' TO MATCH SURROUNDING WALL.
4. MATCH EXISTING LOBBY FLOOR, WALL BASE AND PAINT IN RECESSED DOOR ADDITION.
5. MATCH EXISTING HALL 132 FLOOR, WALL BASE AND PAINT.

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR FINISH PLAN

Designed by: EDWARDS
Drawn by: MACKENZIE
Checked by: MORTENSON
Approved by: SJBD

Revisions:

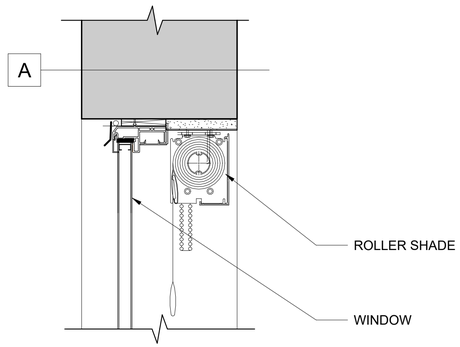
#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT AR 984755
12.2.25
Scott D. Roberts
STATE OF IDAHO

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

INT-101

12/2/2025 2:28:31 PM ISSUED FOR CONSTRUCTION U:\tylermortenson\Documents_RevitLocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt



C1 ROLLER SHADE DETAIL

ALWAYS THINK SAFETY

Cushing Terrell
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: INTERIOR DETAILS

Designed by: EDWARDS
Drawn by: MACKENZIE
Checked by: MORTENSON
Approved by: SJBD

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT
AR 984755
12.2.25
Scott D. Roberts
STATE OF IDAHO

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

INT-501

12/2/2025 2:28:33 PM ISSUED FOR CONSTRUCTION U:\tylermortenson\Documents_Revit\LocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt

MATERIALS LIST						
ITEM NO	PRODUCT TYPE	MANUFACTURER	DESCRIPTION	COLOR	SIZE	NOTES
BASE						
RB1	RESILENT BASE	ROPPE	PINNACLE RUBBER COVED WALL BASE	110 BROWN	4"	
CEILING						
PC1	PAINTED CEILING	SHERWIN WILLIAMS	CEILING PAINT. ZERO VOC. EGGSHELL FINISH.	PACER WHITE SW 6098		FLAT FINISH
FLOOR						
CP1	CARPET	J+J FLOORING	KINETEX PUT A CORK IN IT	2197 DRUM	24" X 24"	MONOLYTHIC INSTALL UNLESS NOTED OTHERWISE ON FINISH PLAN
RF1	RESILIENT FLOORING	KAHRS UPOFLOOR	QUARTZ TILE LINES COLLECTION	8224 HYPERSTHENE ASH	12" X 24"	ASHLAR INSTALL
MISC.						
WS1	WINDOW SHADES	HUNTER DOUGLAS	SHEERWEAVE 2705 3% OPENNESS, MANUAL CLUTCH	OYSTER/PEWTER		FACIA TO MATCH MULLIONS
TRANSITIONS						
TR1	FLOOR TRANSITION	ROPPE	RUBBER REDUCER STRIP	110 BROWN	1/4" TO 1/8"	CARPET TO RESILIENT
WALL						
P1	PAINT	SHERWIN WILLIAMS	GENERAL WALL PAINT. ZERO LATEX. EGGSHELL FINISH	PACER WHITE SW6098		
P2	PAINT	SHERWIN WILLIAMS	TRIM PAINT. SEMIGLOSS	DARK CLOVE SW9183		
P3	PAINT	SHERWIN WILLIAMS	ACCENT WALL PAINT. ZERO VO LATEXC. EGGSHELL FINISH	AMAZING GRAY SW7044		
P4	PAINT	SHERWIN WILLIAMS	ACCENT WALL PAINT. ZERO VO LATEXC. EGGSHELL FINISH	OYSTER BAY SW 6206		
P6	PAINT	SHERWIN WILLIAMS	ACCENT WALL PAINT. ZERO VO LATEXC. EGGSHELL FINISH	TRANQUIL AQUA SW7611		
WALL PROTECTION						
CG1	CORNER GUARD	CS ACROVYN	VA SERIES	PEARL #934	4' H	

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: MATERIALS LIST

Designed by: EDWARDS
Drawn by: MACKENZIE
Checked by: MORTENSON
Approved by: SJBD

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

LICENSED ARCHITECT
AR 984755
12.2.25
Scott D. Roberts
STATE OF IDAHO

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

INT-601

12/2/2025 2:28:35 PM ISSUED FOR CONSTRUCTION U:\tylermortenson\Documents_Revit\LocalTemp\LBYDBLM25_TO28_arch24_tylermortenson.rvt

SYSTEM INPUT	SYSTEM OUTPUT: FACP ANNUNCIATION				NOTIFICATION						CONTROL				
	ZONE ALARM SIGNAL INDICATION	AUDIBLE ALARM SIGNAL ACTIVATION	ZONE SUPERVISORY SIGNAL INDICATION	AUDIBLE SUPERVISORY SIGNAL ACTIVATION	ZONE TROUBLE SIGNAL INDICATION	AUDIBLE TROUBLE SIGNAL ACTIVATION	ACTIVATE ALL AUDIBLE DEVICES	ACTIVATE ALL VISIBLE DEVICES	TRANSMIT ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	ACTIVATE EXTERIOR NOTIFICATION DEVICE AT FDC	CHANGE STATE OF ASSOCIATED FAN UNIT CONTROL RELAY	ACTIVATE PRIMARY ELEVATOR RECALL RELAY	ACTIVATE ALTERNATE ELEVATOR RECALL RELAY	ACTIVATE ELEVATOR SHUNT-TRIP CONTROL RELAY	ACTIVATE ELEVATOR CAB ALARM LIGHT
MANUAL PULL STATION	X	X					X	X	X				X				
SMOKE DETECTOR - GENERAL (SYSTEM DETECTOR)	X	X					X	X	X				X				
SMOKE DETECTOR - 1ST FLOOR ELEVATOR LOBBY	X	X					X	X	X					X			
SMOKE DETECTOR - OTHER THAN 1ST FLR ELEV. LOBBY	X	X					X	X	X				X			X	
SMOKE DETECTOR - ELEVATOR HOISTWAY	X	X					X	X	X				X			X	
SMOKE DETECTOR - ELEVATOR CONTROLLER SPACE	X	X					X	X	X				X				
HEAT DETECTOR - GENERAL	X	X					X	X	X				X				
HEAT DETECTOR - ELEVATOR HOISTWAY *	X	X					X	X	X				X		X	X	
HEAT DETECTOR - ELEVATOR CONTROLLER SPACE **	X	X					X	X	X				X	X	X	X	
ELEVATOR SHUNT-TRIP BREAKER POWER FAIL			X	X						X							
SYSTEM DUCT SMOKE DETECTOR			X	X						X		X					
FIRE SPRINKLER VALVE SUPERVISORY TAMPER SWITCH*			X	X						X							
FIRE SPRINKLER FLOW DETECTOR SWITCH*	X	X					X	X	X		X						
NOTIFICATION APPLIANCE CIRCUIT FAULT					X	X											
INITIATING DEVICE CIRCUIT FAULT					X	X											
SIGNALING LINE CIRCUIT FAULT					X	X											
FACP AC POWER FAIL					X	X											
FACP BATTERY CHARGER FAIL					X	X											
FACP COMMUNICATION FAIL					X	X											
ELEVATOR SUMP PUMP MONITOR MODULE***			X	X						X							

* COORDINATE REQUIREMENTS WITH FIRE SPRINKLER CONTRACTOR
** COORDINATE TEMPERATURE RATINGS/SETTINGS WITH FIRE SPRINKLER CONTRACTOR
*** COORDINATE REQUIREMENTS WITH MECHANICAL/PLUMBING CONTRACTOR

NOTE: OPERATIONAL FUNCTIONS ARE ASSUMED EXISTING. FIRE ALARM CONTRACTOR SHALL FIELD VERIFY EXISTING PROGRAMMING AND MAKE MODIFICATIONS AS REQUIRED TO FACILITATE TENANT IMPROVEMENTS.

B1 FIRE ALARM OPERATIONAL MATRIX

FIRE ALARM LEGEND

SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS

SYMBOL	DESCRIPTION
	VISUAL NOTIFICATION DEVICE (# INDICATES CANDELA RATING)
	COMBINATION AUDIO & VISUAL NOTIFICATION DEVICE (# INDICATES CANDELA RATING)
	VISUAL NOTIFICATION DEVICE (# INDICATES CANDELA RATING); CEILING MOUNTED
	COMBINATION AUDIO & VISUAL NOTIFICATION DEVICE (# INDICATES CANDELA RATING); CEILING MOUNTED
F	ADDRESSABLE MANUAL PULL STATION
CM	ADDRESSABLE MODULE - CONTROL
MM	ADDRESSABLE MODULE - MONITOR
SD	ADDRESSABLE SYSTEM SMOKE DETECTOR
HD	ADDRESSABLE SYSTEM HEAT DETECTOR
TS	CONNECTION TO TAMPER SWITCH, SWITCH BY OTHERS
FS	CONNECTION TO FLOW SWITCH, SWITCH BY OTHERS
PS	CONNECTION TO PRESSURE SWITCH, SWITCH BY OTHERS
	FIRE ALARM CONNECTION AS NOTED
SD RA/SA	DUCT SMOKE DETECTOR WITH RELAY CONTROL/OUTPUT AND FAN UNIT SHUTDOWN INTERFACE RA: RETURN AIR SA: SUPPLY AIR
FARA	FIRE ALARM REMOTE ANNUNICATOR
FACP	FIRE ALARM CONTROL PANEL
NAC	FIRE ALARM CIRCUIT EXTENDER PANEL
DACT	FIRE ALARM COMMUNICATOR - LTE (CELLULAR)
DOC	FIRE ALARM RECORD DOCUMENTS STORAGE BOX
CALL	AREA OF RESCUE ASSISTANCE CALL BOX
BASE	AREA OF RESCUE ASSISTANCE MASTER STATION
R FA	FIRE ALARM RELAY

FIRE ALARM DEVICE LINE TYPE LEGEND

SYMBOL	DESCRIPTION
	EXISTING DEVICE TO REMAIN
	DEVICE TO BE REMOVED
	NEW DEVICE

FIRE ALARM CODE SUMMARY

1. EXISTING GROUP B OCCUPANCY
   - EXISTING MULTI-STORY BUILDING - 1 STORY BELOW GROUND, 2 STORIES ABOVE GROUND (SECOND STORY NOT IN SCOPE).
   - NO GAS-FIRED EQUIPMENT CONTAINED WITHIN BUILDING ENVELOPE.
2. CONSTRUCTION:
   - TYPE II-B (TABLE 601 OF THE IBC)
3. REFERENCED CODES (INCLUDES ALL LOCAL ADOPTED AMENDMENTS):
   - INTERNATIONAL BUILDING CODE (IBC) 2021 EDITION
   - INTERNATIONAL FIRE CODE (IFC) 2021 EDITION
   - NFPA 101 LIFE SAFETY CODE 2021 EDITION
   - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS - (NFPA 13) 2019 EDITION
   - NATIONAL ELECTRICAL CODE (NFPA 70) 2020 EDITION
   - NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72) 2019 EDITION
   - INTERNATIONAL MECHANICAL CODE (IMC) 2021EDITION
   - SAFETY CODE FOR ELEVATORS AND ESCALATORS (ASME A17.1) 2019 EDITION
4. SYSTEM SCOPE:
   - EXISTING ADDRESSABLE FIRE ALARM SYSTEM WITH AUTOMATIC NON-REQUIRED DETECTION COVERAGE IN ALL EGRESS CORRIDORS AND COMMON AREAS.
   - EXISTING STANDARD AUDIBLE/VISIBLE NOTIFICATION THROUGHOUT ALL COMMON AREAS.
   - EXISTING MONITORING OF AUTOMATIC SPRINKLER SYSTEM.
   - EXISTING PHASE I EMERGENCY RECALL OF ELEVATOR.
   - EXISTING HVAC SUPPLY AND RETURN DUCT SMOKE DETECTION MONITORING FOR FAN UNITS OVER 2,000 CFM.
   - MODIFICATIONS TO SYSTEM AS REQUIRED TO FACILITATE BASEMENT AND FIRST FLOOR TENANT IMPROVEMENTS.

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

GENERAL NOTES - FIRE ALARM

A. COMPLY WITH LATEST ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL FIRE CODE (IFC), FIRE ALARM AND SIGNALING CODE (NFPA 72) AND NATIONAL ELECTRICAL CODE (NFPA 70) INCLUDING ANY LOCAL AMENDMENTS. ALL REFERENCES TO CODES AND STANDARDS SHALL BE AS NOTED IN THE FIRE ALARM CODE SUMMARY.
B. ALL FIRE ALARM CABLE SHALL BE INSTALLED IN MINIMUM 3/4" CONDUIT PAINTED RED IN COLOR AND CONCEALED WITHIN NON-ACCESSIBLE WALLS OR ABOVE HARD-LID CEILINGS. FIRE ALARM CABLE SHALL BE PERMITTED TO BE FREE RUN VIA A DEDICATED J-HOOK SYSTEM WHEN LOCATED IN ACCESSIBLE SPACES OR ABOVE ACCESSIBLE CEILINGS SUCH AS LAY-IN ACT. SURFACE MOUNTED CONDUIT SHALL BE ALLOWED IN UNFINISHED MECHANICAL AREAS.
C. ALL FIRE ALARM DEVICES SHALL BE MOUNTED TO A STEEL BACKBOX OR ELECTRICAL BOX. SURFACE MOUNT LOCATIONS SHALL INCLUDE A FACTORY MATCHED BOX SPECIFIC TO THE DEVICE.
D. REMOTE POWER SUPPLIES (NAC PANELS) SHALL BE PROVIDED IN SUFFICIENT QUANTITIES AND SHALL BE DETERMINED BY THE CONTRACTOR'S FINAL SHOP DRAWING DESIGN. PANEL LOCATIONS NOTED ON THESE DRAWINGS MERELY INDICATE ACCEPTABLE LOCATIONS.
E. CONTRACTOR SHALL COORDINATE WITH GOVERNMENT UPON SUBSTANTIAL COMPLETION TO PROVIDE CONNECTION TO REMOTE SUPERVISING STATION AS APPROVED BY THE GOVERNMENT.
F. CONTRACTOR SHALL COORDINATE WITH THE CONTRACTING OFFICER BEFORE PROGRAMMING FINAL DEVICE DESCRIPTIONS IN SYSTEM MEMORY. OBTAIN APPROVAL PRIOR TO FINAL COMPLETION.
G. DEVICES SHOWN HALF-TONE ARE EXISTING TO REMAIN. NEW DEVICES SHALL MATCH EXISTING MAKE AND MANUFACTURER.

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title: GENERAL FIRE ALARM SYSTEM INFORMATION

Designed by: ARNESON
Drawn by: ARNESON
Checked by: BINGHAM
Approved by: BINGHAM

Revisions:

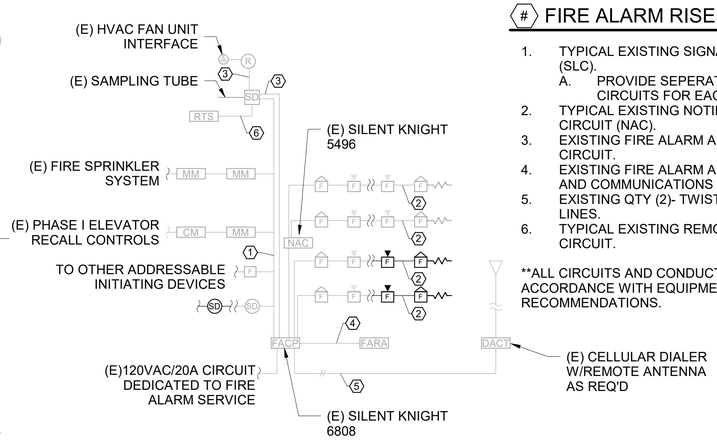
#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER LICENSED P-21646 STATE OF IDAHO STEVEN E. BINGHAM

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

FA001

12/2/2025 3:56:35 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\daveb\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt

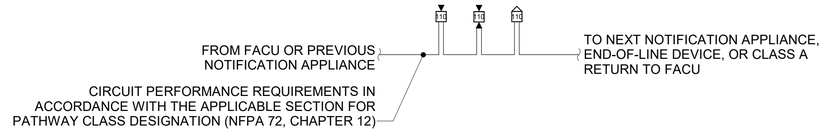


C1 FIRE ALARM RISER DIAGRAM (TYPICAL)

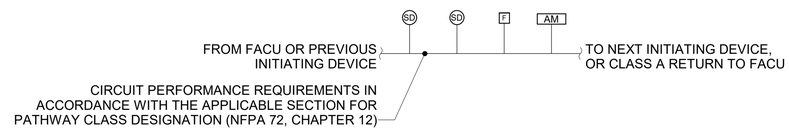
FIRE ALARM RISER NOTES

1. TYPICAL EXISTING SIGNALING LINE CIRCUIT (SLC).
   A. PROVIDE SEPERATE OR ISOLATED CIRCUITS FOR EACH FLOOR.
2. TYPICAL EXISTING NOTIFICATION APPLIANCE CIRCUIT (NAC).
3. EXISTING FIRE ALARM AUXILLIARY 24VDC CIRCUIT.
4. EXISTING FIRE ALARM ANNUNCIATOR POWER AND COMMUNICATIONS CIRCUIT.
5. EXISTING QTY (2)- TWISTED PAIR CU. POTS LINES.
6. TYPICAL EXISTING REMOTE TEST/INDICATOR CIRCUIT.

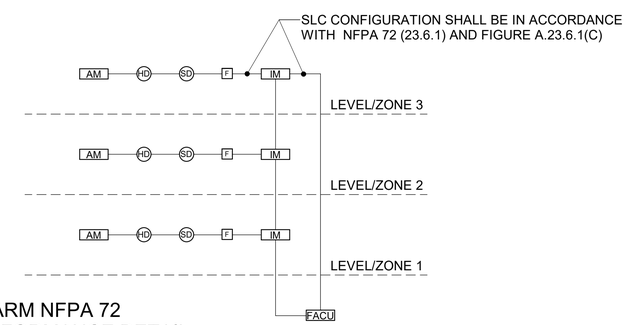
**ALL CIRCUITS AND CONDUCTORS SHALL BE IN ACCORDANCE WITH EQUIPMENT MANUFACTURER RECOMMENDATIONS.



D3 FIRE ALARM NFPA 72
NAC PATHWAY DESIGNATION DETAIL



C3 FIRE ALARM NFPA 72
SLC PATHWAY DESIGNATION DETAIL



B3 FIRE ALARM NFPA 72
SLC PERFORMANCE DETAIL

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRE ALARM SYSTEM DETAILS

Designed by: ARNESON
Drawn by: ARNESON
Checked by: BINGHAM
Approved by: BINGHAM

Revisions:

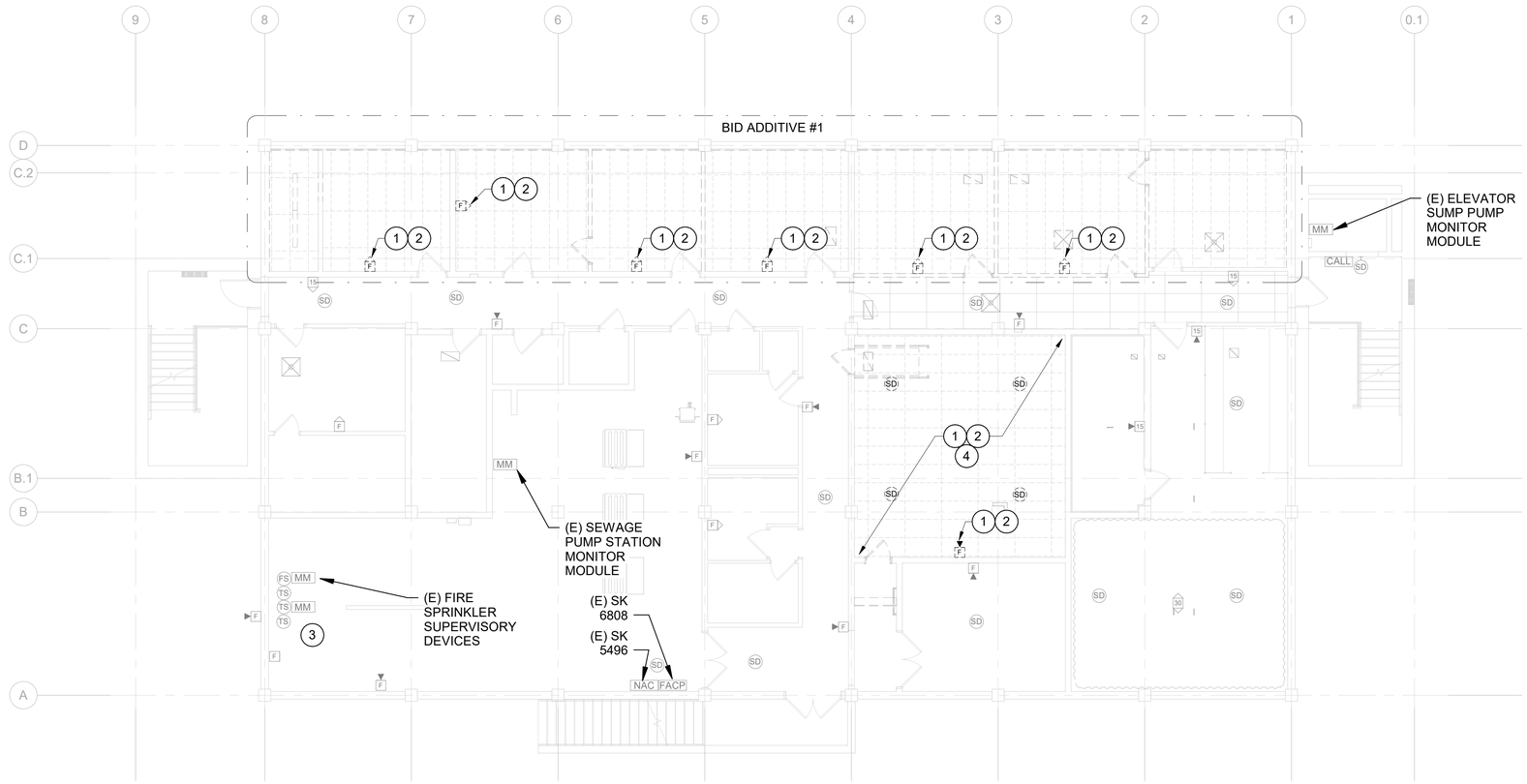
#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER LICENSED P-21646 STATE OF IDAHO STEVEN E. BINGHAM

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

FA002

12/2/2025 3:56:36 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\daveb\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt



B1 BASEMENT FIRE ALARM DEMOLITION PLAN

N

0 4' 8' 16'

KEYNOTES

1. DEVICES WITHIN SCOPE OF WORK AREA INDICATED TO BE REMOVED SHALL BE RETAINED FOR RELOCATION TO ACCOMMODATE TENANT IMPROVEMENT CONSTRUCTION.
2. FIRE ALARM CONTRACTOR SHALL FIELD VERIFY CIRCUIT ROUTING AND TEMPORARILY RE-ROUTE CIRCUIT(S) TO NEAREST EXISTING DEVICE NOT WITHIN SCOPE OF WORK AREA TO MAINTAIN OPERATIONAL STATUS OF EXISTING DEVICES TO REMAIN ON THE ASSOCIATED CIRCUIT.
3. COORDINATE REMOVAL OF EXISTING CLEAN AGENT SYSTEM CABINETS, WIRING, NITROGEN CYLINDER, AND OTHER ASSOCIATED ABANDONED DEVICES WITH FIRE SPRINKLER CONTRACTOR. EXISTING FIRE ALARM DEVICES SHALL BE REMOVED COMPLETELY AND PROPERLY DISPOSED OF.
4. COORDINATE REMOVAL OF EXISTING CLEAN AGENT SYSTEM CABINETS, WIRING, NITROGEN CYLINDER, AND OTHER ASSOCIATED ABANDONED DEVICES WITH FIRE SPRINKLER CONTRACTOR.

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS · U.S. DEPARTMENT OF THE INTERIOR · BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title:
BASEMENT FIRE ALARM DEMOLITION PLAN

Designed by: ARNESON
Drawn by: ARNESON
Checked by: BINGHAM
Approved by: BINGHAM

Revisions:

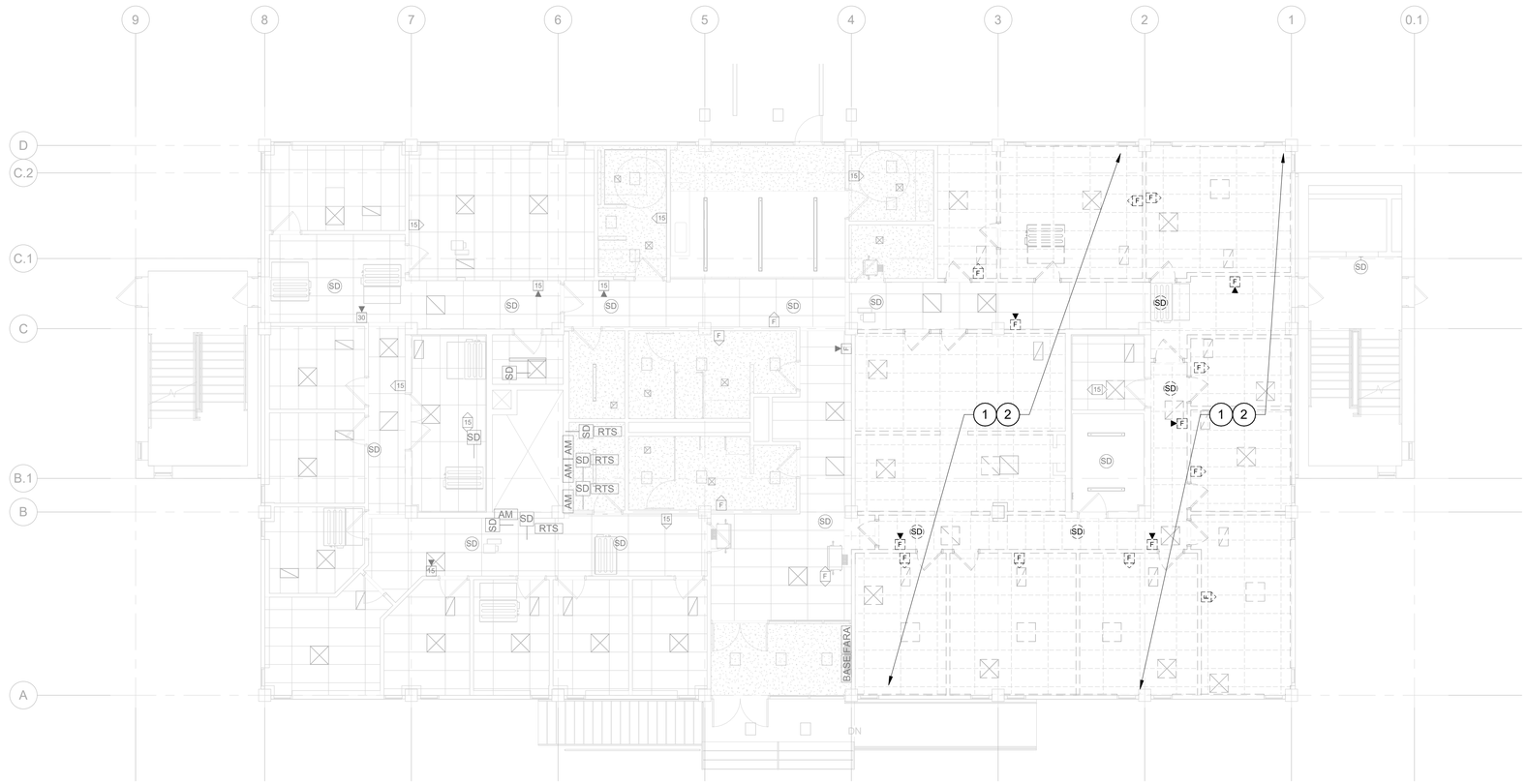
#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER LICENSED P-21646 STATE OF IDAHO STEVEN E. BINGHAM

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

FAD100

12/2/2025 3:56:38 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\davebl\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt



B1 FIRST FLOOR FIRE ALARM DEMOLITION PLAN

N

0 4' 8' 16'

Cushing Terrell.

cushingterrell.com
800.757.9522

KEYNOTES

1. DEVICES WITHIN SCOPE OF WORK AREA INDICATED TO BE REMOVED SHALL BE RETAINED FOR RELOCATION TO ACCOMMODATE TENANT IMPROVEMENT CONSTRUCTION.
2. FIRE ALARM CONTRACTOR SHALL FIELD VERIFY CIRCUIT ROUTING AND TEMPORARILY RE-ROUTE CIRCUIT(S) TO NEAREST EXISTING DEVICE NOT WITHIN SCOPE OF WORK AREA TO MAINTAIN OPERATIONAL STATUS OF EXISTING DEVICES TO REMAIN ON THE ASSOCIATED CIRCUIT.

ALWAYS THINK SAFETY

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title:
FIRST FLOOR FIRE ALARM DEMOLITION PLAN

Designed by: ARNESON
Drawn by: ARNESON
Checked by: BINGHAM
Approved by: BINGHAM

Revisions:

#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER
LICENSED
P-21646
STATE OF IDAHO
STEVEN E. BINGHAM

BLM Project # 140L0622D002

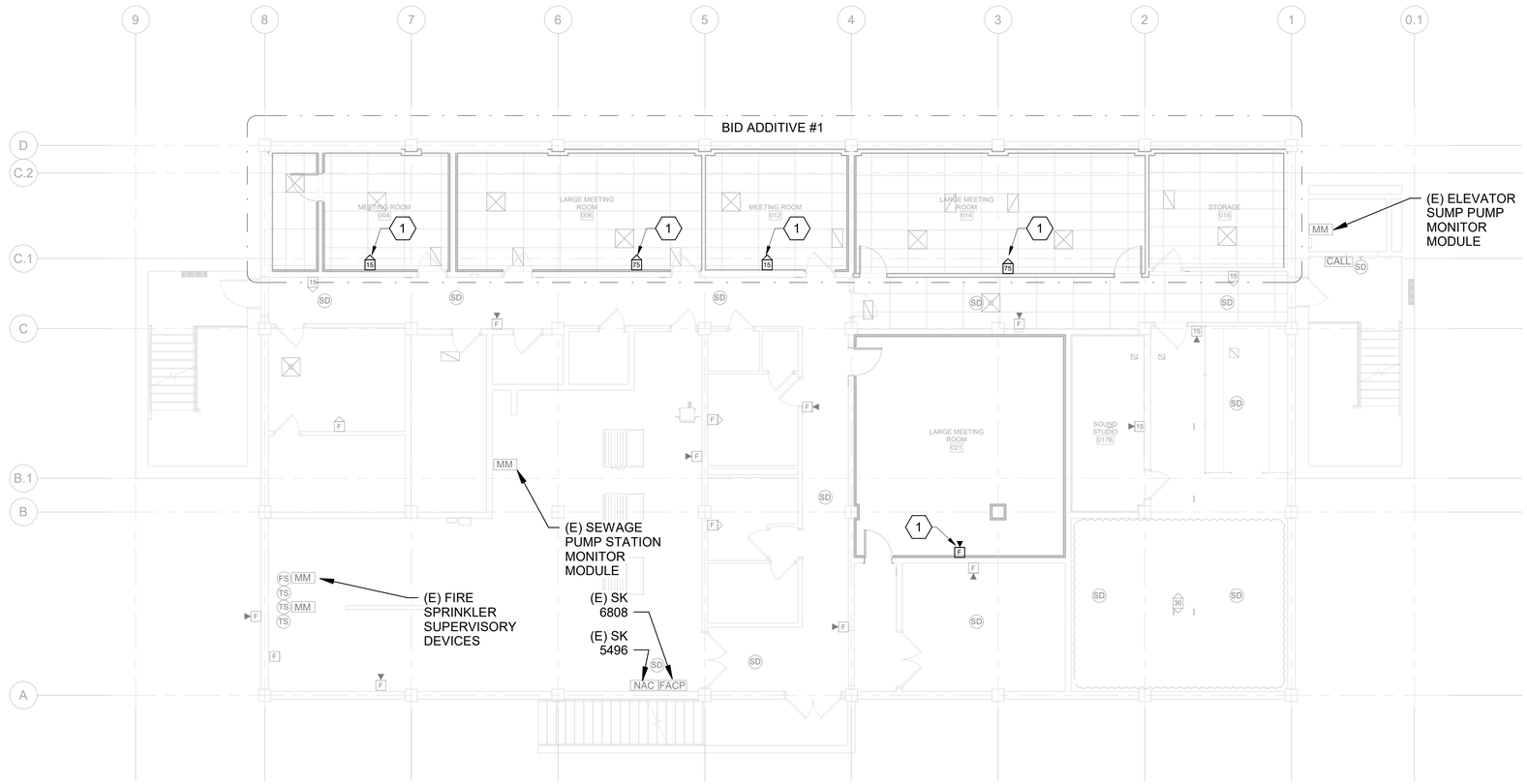
Project # 070117.028

Date: 12.2.2025

FAD101

Sheet 27 of 67

12/2/2025 3:56:39 PM ISSUED FOR CONSTRUCTION \\sv219.ctagroup.net\userdata\davebi\Documents_Revit\LocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt



B1 BASEMENT FIRE ALARM REMODEL PLAN

N

0 4' 8' 16'

Cushing Terrell.

cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

KEYNOTES

1. RELOCATED NOTIFICATION DEVICE TO NEW FUR OUT WALL. ADJUST CANDELA SETTING TO PROVIDE ADEQUATE COVERAGE IN ACCORDANCE WITH NFPA 72. CONNECT TO NEAREST EXISTING NOTIFICATION CIRCUIT.

ALWAYS THINK SAFETY

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title: BASEMENT FIRE ALARM REMODEL

Designed by: ARNESON
Drawn by: ARNESON
Checked by: BINGHAM
Approved by: BINGHAM

Revisions:

#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER LICENSED P-21646 STATE OF IDAHO STEVEN E. BINGHAM

BLM Project # 140L0622D002

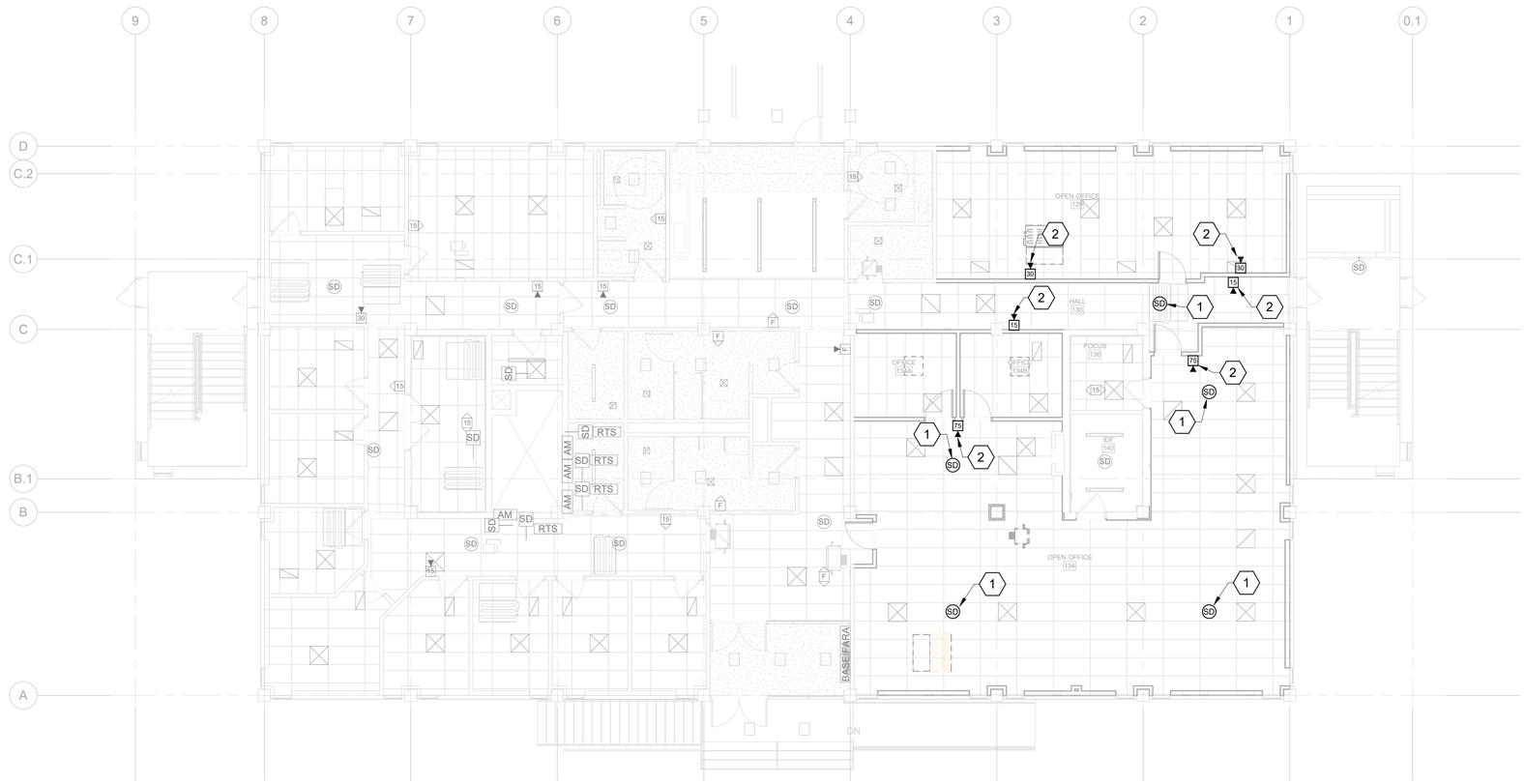
Project # 070117.028

Date: 12.2.2025

FA100

Sheet 28 of 67

12/2/2025 3:56:41 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\daveb\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt



B1 FIRST FLOOR FIRE ALARM REMODEL PLAN

N

0 4' 8' 16'

Cushing Terrell.

cushingterrell.com
800.757.9522

KEYNOTES

1. RELOCATED INITIATING DEVICE. CONNECT TO NEAREST EXISTING INITIATING CIRCUIT.
2. RELOCATED NOTIFICATION DEVICE. ADJUST CANDELA SETTING TO PROVIDE ADEQUATE COVERAGE IN ACCORDANCE WITH NFPA 72. CONNECT TO NEAREST EXISTING NOTIFICATION CIRCUIT.

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title:
FIRST FLOOR FIRE ALARM REMODEL PLAN

Designed by: ARNESON
Drawn by: ARNESON
Checked by: BINGHAM
Approved by: BINGHAM

Revisions:

#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER LICENSED P-21646 STATE OF IDAHO STEVEN E. BINGHAM

BLM Project # 140L0622D002

Project # 070117.028

Date: 12.2.2025

FA101

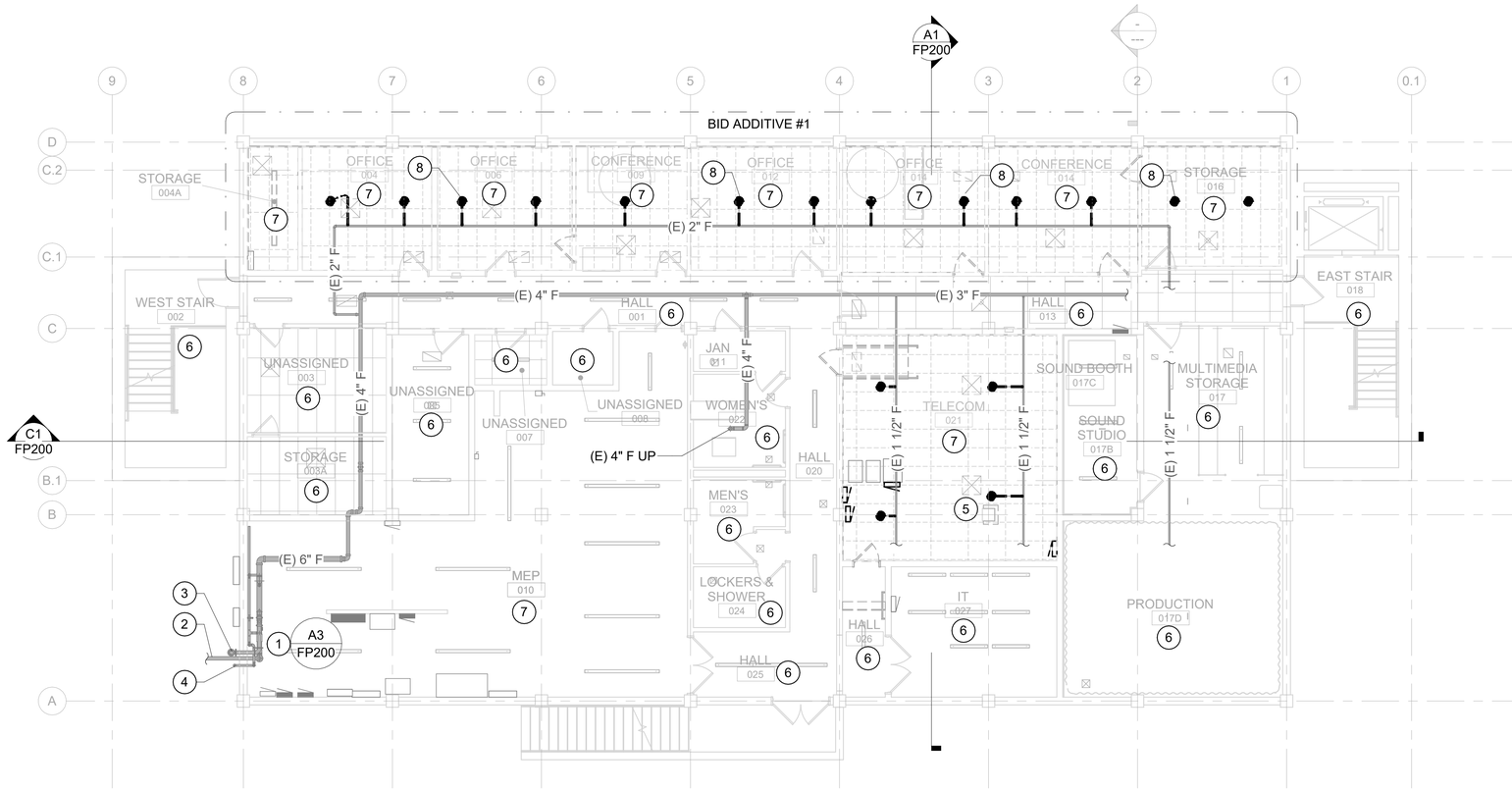
Sheet 29 of 67

ALWAYS THINK SAFETY

12/2/2025 3:56:44 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\davebi\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt

DEMOLITION KEYNOTES

1. EXISTING FIRE PROTECTION RISER.
2. EXISTING 4" FIRE SERVICE INTO BUILDING.
3. EXISTING 4" UP TO FREE STANDING FDC.
4. EXISTING 2 1/2" UP TO FORWARD FLOW TEST HEADER.
5. REMOVE EXISTING CLEAN AGENT SYSTEM CABINETS, CONTROL WIRING, NITROGEN CYLINDER AND OTHER ASSOCIATED ABANDONED DEVICES COMPLETELY. WORK TO BE PERFORMED BY SPECIAL SYSTEMS CONTRACTOR. DISPOSE OF MATERIALS AS REQUIRED PER STATE AND LOCAL REQUIREMENTS. COORDINATE WITH ALARM CONTRACTOR.
6. EXISTING TO REMAIN AND PROTECT.
7. REMOVE EXISTING SPRINKLERS AND PIPING AS REQUIRED FOR DEMOLITION AND NEW WORK WITHIN OUTLINED AREA. SEE F100 FOR REMODEL PLAN.
8. REMOVE SPRINKLER AND ARMOVER/PIPING (TYPICAL THROUGHOUT AREAS OF REMODEL).



A1 BASEMENT FIRE PROTECTION DEMOLITION PLAN

N

0 4' 8' 16'

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: BASEMENT FIRE PROTECTION DEMOLITION PLAN

Designed by: KOPP
Drawn by: LISTOE
Checked by: KOPP
Approved by: BINGHAM

Revisions:

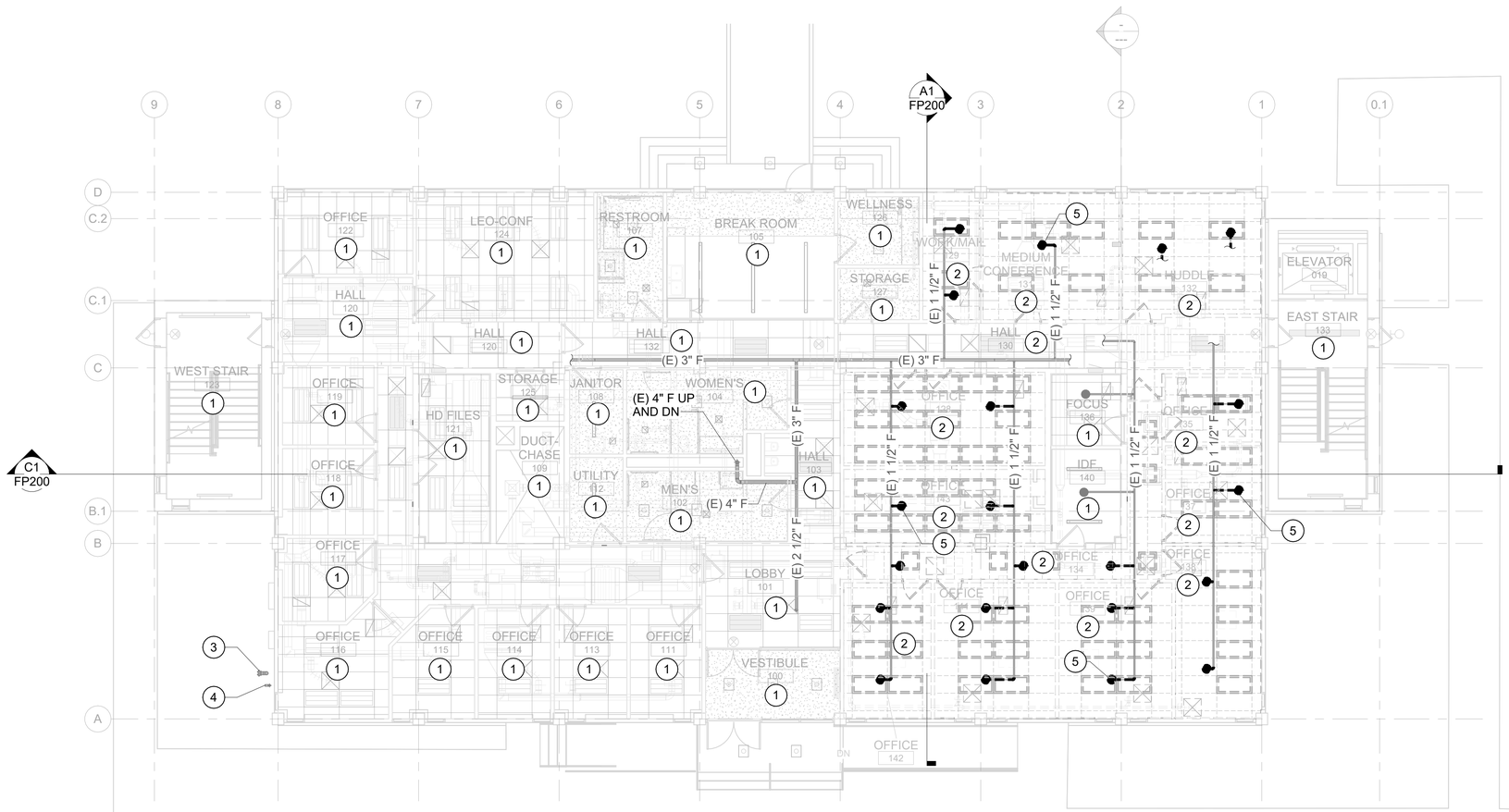
#	Description	Date
	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER LICENSED P-21646 STATE OF IDAHO STEVEN E. BINGHAM

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

FD100

12/2/2025 5:17:19 PM ISSUED FOR CONTRUCTION \\ysv219.ctagroup.net\userdata\jayl\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_jaylistoe79PAT.rvt



B1 FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN

N

0 4' 8' 16'

Cushing Terrell.

cushingterrell.com
800.757.9522

DEMOLITION KEYNOTES

1. EXISTING TO REMAIN AND PROTECT.
2. REMOVE EXISTING SPRINKLERS AND PIPING AS REQUIRED FOR DEMOLITION AND NEW WORK WITHIN OUTLINED AREA. SEE F101 FOR REMODEL PLAN.
3. EXISTING FREE STANDING FDC.
4. EXISTING 2 1/2" FORWARD FLOW TEST HEADER.
5. REMOVE SPRINKLER AND ARMOVER/PIPING (TYPICAL THROUGHOUT AREAS OF REMODEL).

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title:
FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN

Designed by: KOPP
Drawn by: LISTOE
Checked by: KOPP
Approved by: BINGHAM

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER LICENSED P-21646 STATE OF IDAHO STEVEN E. BINGHAM

BLM Project # 140L0622D002

Project # 070117.028

Date: 12.2.2025

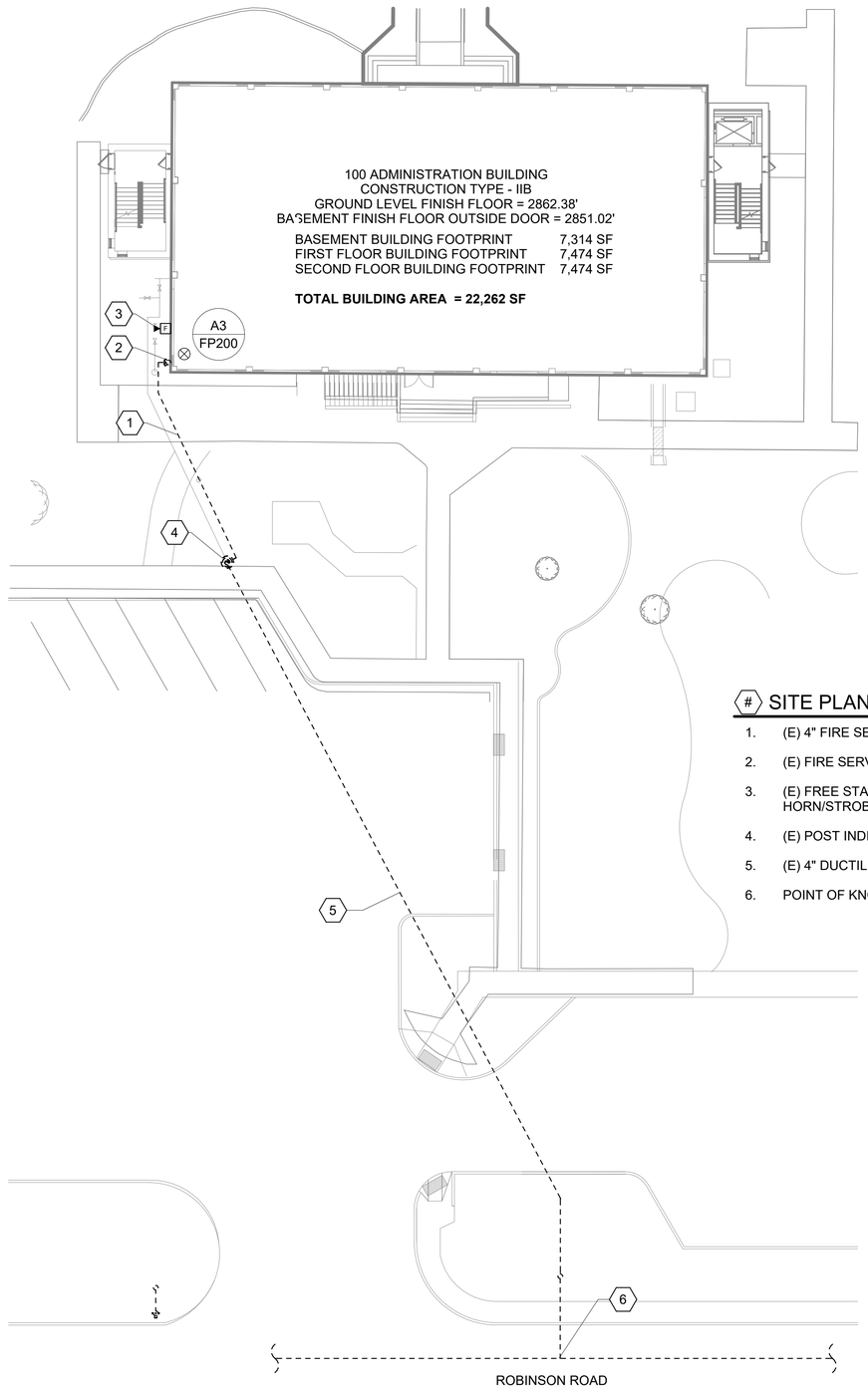
FD101

Sheet 31 of 67

ALWAYS THINK SAFETY

ISSUED FOR CONTRUCTION

12/2/2025 5:17:21 PM \\vsr219.ctagroup.net\userdata\jayl\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_jaylistoe79PAT.rvt



SITE PLAN NOTES

1. (E) 4" FIRE SERVICE TO BUILDING.
2. (E) FIRE SERVICE ENTRANCE AND RISER.
3. (E) FREE STANDING DOUBLE SNOOT FDC AND HORN/STROBE ASSEMBLY.
4. (E) POST INDICATOR VALVE.
5. (E) 4" DUCTILE IRON FIRE SERVICE.
6. POINT OF KNOWN WATER SUPPLY.

A1 FIRE PROTECTION SITE PLAN

N

0 8' 16' 32'

FIRE PROTECTION LEGEND

SYMBOL	DESCRIPTION
	PENDENT SPRINKLER, PLAN - ELEVATION
	UPRIGHT SPRINKLER, PLAN - ELEVATION
	SIDEWALL SPRINKLER, PLAN - ELEVATION
F	FIRE SPRINKLER WET SYSTEM PIPE
D	FIRE SPRINKLER DRAIN PIPE
	CONNECT TO EXISTING
	NEW PIPING
	EXISTING PIPING
	PIPING TO BE REMOVED
TS	TAMPER SWITCH
FS	FLOW SWITCH
	FIRE HYDRANT
	FREE STANDING FIRE DEPARTMENT CONNECTION, SIAMESE
F	HORN/STROBE ASSEMBLY
	FIRE SPRINKLER WET SYSTEM RISER

FIRE PROTECTION ABBREVIATIONS

FL	FLANGED
GR	GROOVED
GALV	GALVANIZED
SF	SQUARE FEET
FDC	FIRE DEPARTMENT CONNECTION
AUX	AUXILIARY
(E)	EXISTING
SCH	SCHEDULE
N.C.	NORMALLY CLOSED
NA	NOT AVAILABLE

WATER SUPPLY INFORMATION

TEST PRESSURE HYDRANT: N/A	LOCATION:	2350 W. Robinson Road	
BY: VEOLIA		DATE:	10/03/2025
STATIC PRESSURE:	50 PSI	RESIDUAL PRESSURE:	20 PSI
PITOT PRESSURE:	NA PSI	WITH	3,500 GPM FLOWING

IFC 2024 REQUIRED FIRE FLOW:
1000 GPM @ 20 PSI FOR 2 HOURS
AVAILABLE FIRE FLOW 3,500 GPM @ 20 PSI

HYDRAULIC CALCULATIONS REQUIRED:

HYDRAULICALLY CALCULATE THE MOST DEMANDING LIGHT HAZARD ; 1500 SF AT .10 GPM/SF AND 100 GPM OUTSIDE HOSE ALLOWANCE.

HYDRAULICALLY CALCULATE THE MOST DEMANDING ORDINARY GROUP 1 ; 1500 SF AT .15 GPM/SF AND 250 GPM OUTSIDE HOSE ALLOWANCE.

HYDRAULICALLY CALCULATE THE MOST DEMANDING ORDINARY GROUP 2 ; 1500 SF AT .20 GPM/SF AND 250 GPM OUTSIDE HOSE ALLOWANCE.

NOTES:
1. CALCULATED DEMAND INCLUDING HOSE STREAM REQUIREMENTS SHALL FALL NO LESS THAN 5 PSI BELOW THE AVAILABLE WATER SUPPLY CURVE.
2. NO REDUCTIONS FOR QUICK RESPONSE SPRINKLERS WILL BE ALLOWED.
3. VELOCITIES SHALL NOT EXCEED 20 FT/SEC IN ANY PIPE.
4. EXTENDED COVERAGE SPRINKLERS WILL NOT BE ALLOWED.

GENERAL NOTES

A. DESIGN AND INSTALLATION SHALL CONFORM TO NFPA 13, 2025 EDITION, IFC 2024, LOCAL FIRE AND BUILDING DEPARTMENTS.
B. THE SPRINKLER SYSTEM SHOWN IS CONCEPTUAL ONLY. THE CONTRACTOR SHALL PROVIDE A COMPLETE SPRINKLER SYSTEM SHOWING ALL REQUIRED PIPING, OFFSETS, SPRINKLERS, RISERS AND DROPS.
C. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE FIRE PROTECTION SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND COMPLYING WITH THE STANDARDS OF THE NATIONAL FIRE PROTECTION ASSOCIATION, AND ALL STATE AND LOCAL REGULATIONS.
D. APPROVAL OF THE COMPLETE SYSTEM SHALL BE OBTAINED FROM THE AUTHORITIES HAVING JURISDICTION, AND A COPY OF SAME SHALL BE DELIVERED TO THE CONTRACTING OFFICER FOR DELIVERY TO THE GOVERNMENT.
E. RESTORE ALL DEVICES, FINISHES, ETC. DAMAGED OR ALTERED DURING CONSTRUCTION TO AN ACCEPTABLE CONDITION AS DETERMINED BY THE GOVERNMENT AND/OR CONTRACTING OFFICER.
F. CONTRACTOR SHALL SCHEDULE ALL SHUTDOWNS THAT AFFECT UTILITIES AND PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION WITH THE GOVERNMENT.
G. PROVIDE AND INSTALL SPRINKLERS OF THE PROPER TEMPERATURE RATING AND TYPE PER NFPA 13.
H. PROVIDE AND INSTALL VALVES OF THE PROPER TYPE, UL LISTED, AND PRESSURE RATING PER NFPA 13.
I. PROVIDE AND INSTALL SPARE SPRINKLERS, WRENCH AND CABINET PER NFPA 13.
J. COORDINATE INSTALLATION OF ALL ELECTRICALLY SUPERVISED VALVES, HORN/STROBE, ETC. WITH THE ELECTRICAL CONTRACTOR.
K. PROVIDE AND INSTALL A HYDRAULIC PLACARD WITH THE HYDRAULIC DESIGN DATA FOR EACH ZONE RISER OR SYSTEM CALCULATED.
L. PROVIDE AND INSTALL A SIGN WITH RAISED LETTERS FOR THE FDC PER NFPA 13.
M. PROVIDE AND INSTALL AUX DRAINS AND VALVES AS REQUIRED FOR PROPER DRAINING OF THE SYSTEM.
N. COORDINATE SPRINKLER PIPING AND HEAD LOCATIONS WITH DUCTWORK, PIPING, LIGHTING FIXTURES, DIFFUSERS, ETC. AS REQUIRED.
O. ISOLATE, DRAIN AND REFILL EXISTING PIPING SYSTEM AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW WORK.
P. HANGER INSTALLATION AND SPACING SHALL BE IN ACCORDANCE WITH NFPA 13.
Q. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING AND DRILLING AS REQUIRED.
R. NO BEAM PENETRATIONS ALLOWED PRIOR TO STRUCTURAL ENGINEER APPROVAL.THE CONTRACTOR SHALL SUBMIT SIZE AND LOCATION OF ALL BEAM PENETRATIONS TO THE STRUCTURAL ENGINEER FOR REVIEW AND DETAIL.
S. WHERE PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, SLEEVES SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS UL LISTED AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT. THIS MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER TO MAINTAIN THE FIRE RATING OF THE PENETRATED WALL OR FLOOR.
T. SLEEVES THROUGH WALL AND FLOOR SHALL BE SCH 10 GALVANIZED AND PACKED WITH NONCOMBUSTIBLE, SMOKEPROOF, AND WATERPROOF FIRE SEALANT.
U. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FIRE EXTINGUISHER CABINETS AND SIAMESE CONNECTIONS.
V. ALL SHUTOFF VALVES IN SPRINKLER AND COMBINED SYSTEMS SHALL BE APPROVED INDICATING TYPE.
W. COORDINATE SPRINKLER HEAD LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS, LIGHTING, AND OTHER CEILING ITEMS AND MAKE MODIFICATIONS TO SUIT.
X. SPRINKLER LAYOUT IN AREAS WITH FINISHED LAY-IN CEILINGS SHALL BE CENTER OF TILE AND LAYOUT IN AREAS WITH HARD LID CEILING SHALL BE SYMMETRIC WITHIN ROOM.
Y. THIS LOCATION IS A SEISMIC DESIGN CATEGORY "C". CALCULATE THE SPRINKLER SYSTEM LOAD BASED ON A HORIZONTAL ACCELERATION OF .25G (F=.25W)
Z. ALL WET SYSTEM PIPING 2" AND SMALLER SHALL BE SCHEDULE 40. PIPING 2 1/2" AND LARGER SHALL BE SCHEDULE 10 PIPE WITH GROOVED FITTINGS.
AA. SPRINKLER CONTRACTOR TO COORDINATE WITH OTHER TRADES TO PREVENT CONFLICT WITH OTHER BUILDING SYSTEMS. ANY INSTALLATION WITHOUT PRIOR COORDINATION IS SUBJECT TO REMOVAL AND REINSTALLATION AT THE INSTALLING CONTRACTOR'S EXPENSE.
AB. CONTRACTOR SHALL COVER AND PROTECT FIRE SPRINKLER HEADS FOR PAINTING OF PIPE. PREP PIPE FOR PAINTING.

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRE PROTECTION SITE PLAN, NOTES & LEGEND

Designed by: KOPP
Drawn by: LISTOE
Checked by: KOPP
Approved by: BINGHAM

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER LICENSED P-21646 STATE OF IDAHO STEVEN E. BINGHAM

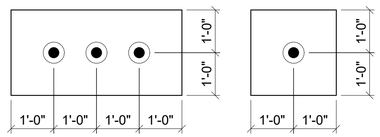
BLM Project # 140L0622D002

Project # 070117.028

Date: 12.2.2025

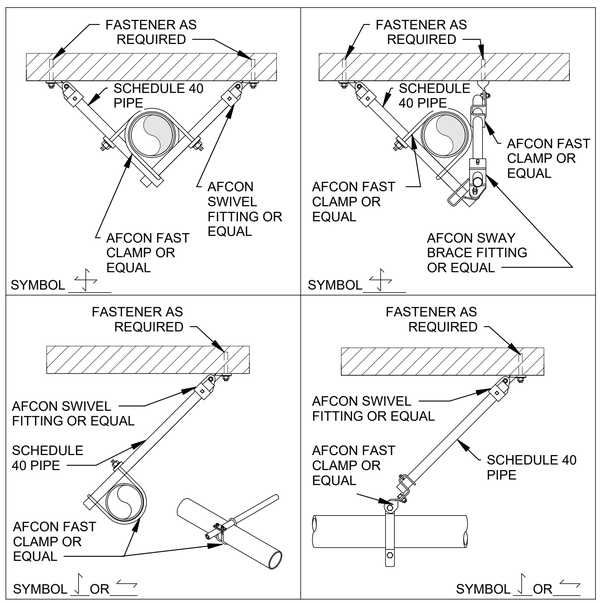
FP001

12/2/2025 5:17:22 PM ISSUED FOR CONTRUCTION \\ysv219.ctagroup.net\userdata\jayl\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_jaylistoe79PAT.rvt



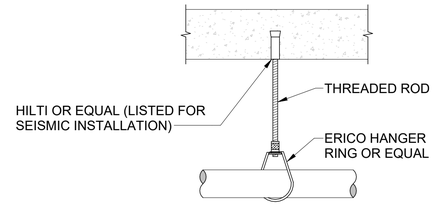
ALL SPRINKLERS SHALL BE CENTERED WITH 1" +/- OF CENTER POINTS OF
CEILING TILES. (QUARTER POINTS ARE ACCEPTABLE AS SHOWN ON PLANS)

D1 SPRINKLER HEAD IN CENTER PLACEMENT



NOTES:
1. ALL BRACE PIPING SHALL BE SCHEDULE 40.
2. FASTENERS SHALL BE LISTED FOR SEISMIC INSTALLATION.

B1 SWAY BRACING DETAIL

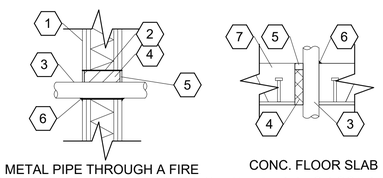


MAXIMUM PIPE/TUBING SUPPORT SPACING, FEET										
NOM. SIZE	THRU 3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
STEEL	N.A.	12	12	15	15	15	15	15	15	15

NOTES:

1. UNSUPPORTED LENGTHS BETWEEN THE END SPRINKLER ON A BRANCH AND THE LAST HANGER SHALL NOT BE GREATER THAN 12".
2. THE LENGTH OF AN UNSUPPORTED ARM OVER MUST NOT BE GREATER THAN 12".
3. ALL HANGERS LOCATED WITHIN 12" OF THE LAST SPRINKLER ON A BRANCH LINE OR ARMOVER MUST BE FITTED WITH A SURGE SUPPRESSOR OR EQUIVALENT.

C3 FIRE SPRINKLER PIPE HANGER DETAILS



METAL PIPE THROUGH A FIRE RATED GYPSUM WALL ASSEMBLY

CONC. FLOOR SLAB METAL PIPE OR CONDUIT

NOTE: PROVIDE UL LISTED PIPE STOPPING SYSTEM IN SUBMITTALS.

(#) FIRE STOPPING DETAIL NOTES

1. GYPSUM WALL ASSEMBLY.
2. SLEEVE.
3. PENETRATING PIPE.
4. FORMING MATERIAL TIGHTLY PACKED.
5. INTUMESCENT FIRESTOP SEALANT.
6. MINIMUM 1/2" BEAD INTUMSCENT FIRESTOP SEALANT AT POINT OF CONTACT.
7. CONCRETE FLOOR - CEILING ASSEMBLY.

B3 FIRE STOPPING PENETRATION DETAILS

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRE PROTECTION DETAILS

Designed by: KOPP
Drawn by: LISTOE
Checked by: KOPP
Approved by: BINGHAM

Revisions:

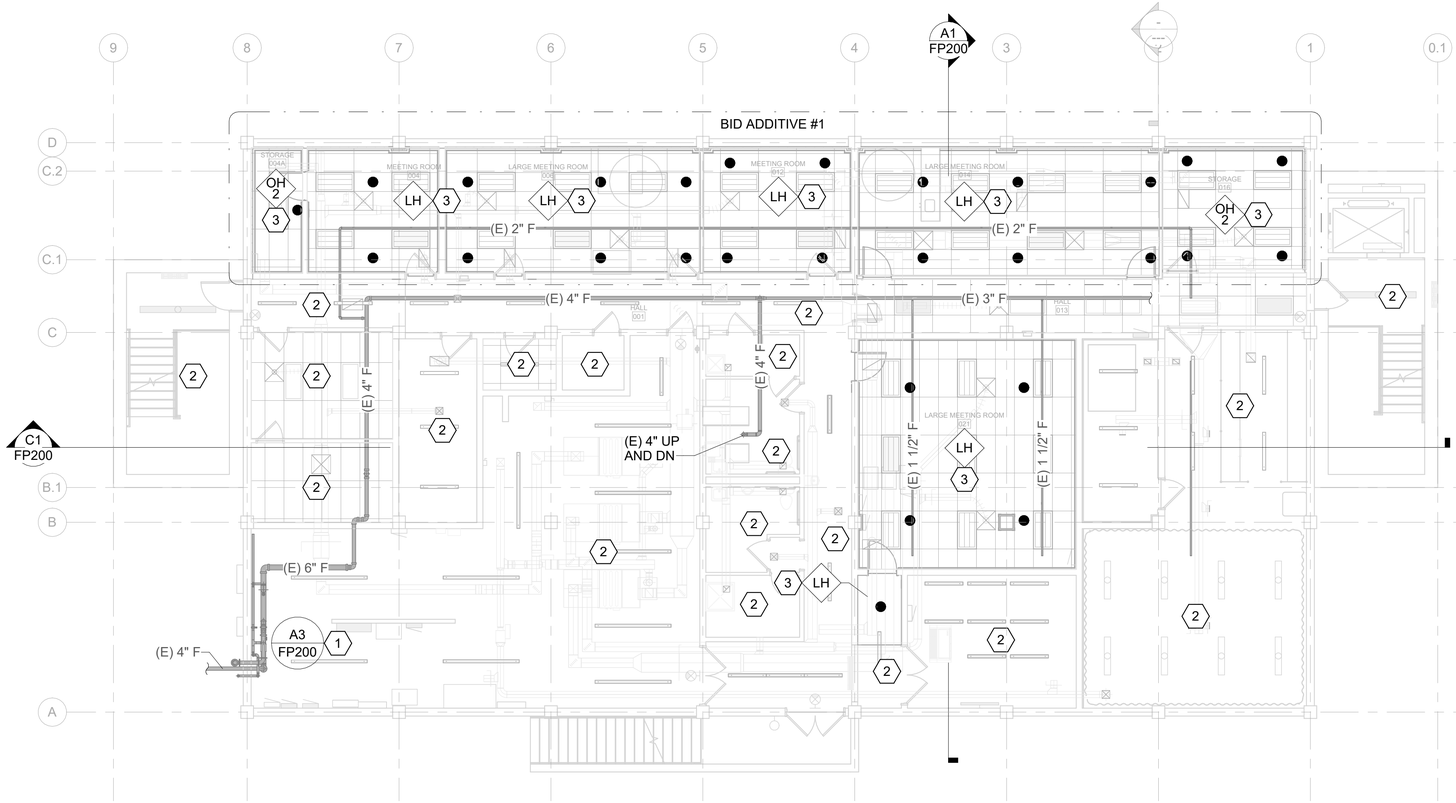
#	Description	Date
	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER LICENSED P-21646 STATE OF IDAHO STEVEN E. BINGHAM

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

FP002

12/2/2025 5:17:24 PM ISSUED FOR CONTRUCTION \\ysv219.ctagroup.net\userdata\jayl\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_jaylistoe79PAT.rvt



B1 BASEMENT FIRE PROTECTION PLAN

N

0 4' 8' 16'

HAZARD CLASSIFICATION SCHEDULE

SYMBOL	HAZARD	DES. DENSITY-GPM/SF
LH	LIGHT	0.10
OH 1	ORDINARY GROUP 1	0.15
OH 2	ORDINARY GROUP 2	0.20
NAS	NO AUTOMATIC SPRINKLERS	0.00

NOTE: HAZARD SYMBOLS AT ROOM NAMES INDICATE NEW SPRINKLER AND PIPE AS REQUIRED FOR THESE AREAS.

GENERAL NOTES

A. THE SPRINKLER SYSTEM SHOWN IS CONCEPTUAL ONLY. THE CONTRACTOR SHALL PROVIDE A COMPLETE SPRINKLER SYSTEM SHOWING ALL REQUIRED PIPING, OFFSETS, SPRINKLERS, RISERS AND DROPS.

B. SHOP DRAWINGS MUST BE FIELD VERIFIED AND REVISED BY THE CONTRACTOR PRIOR TO SUBMITTAL FOR REVIEW BY ENGINEER.

C. FIELD INVESTIGATION BEFORE BIDDING IS REQUIRED. BID SHALL BE COMPLETE AND ACCOUNT FOR ALL REQUIRED PIPE, ROUTING, SPRINKLERS, ETC.

D. IN AREAS WITHOUT SUSPENDED CEILINGS, WHERE THE STRUCTURE IS EXPOSED TO VIEW: INSTALL SPRINKLER PIPING TIGHT TO STRUCTURE AS PRACTICABLE. PAINT EXPOSED PIPING TO MATCH STRUCTURE. COORDINATE WITH G.C.

KEYNOTES

1. EXISTING FIRE SPRINKLER SYSTEM WATER SERVICE ENTRANCE AND RISER.
2. EXISTING SPRINKLERS AND PIPING TO REMAIN.
3. PROVIDE NEW BRANCHLINES AND SPRINKLERS IN ACCORDANCE WITH NFPA 13 AND THE HAZARD CLASSIFICATION SHOWN WITHIN REMODEL AREA AS REQUIRED.

ALWAYS THINK SAFETY

Cushing Terrell
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: BASEMENT FIRE PROTECTION PLAN

Designed by: KOPP
Drawn by: LISTOE
Checked by: KOPP
Approved by: BINGHAM

Revisions:

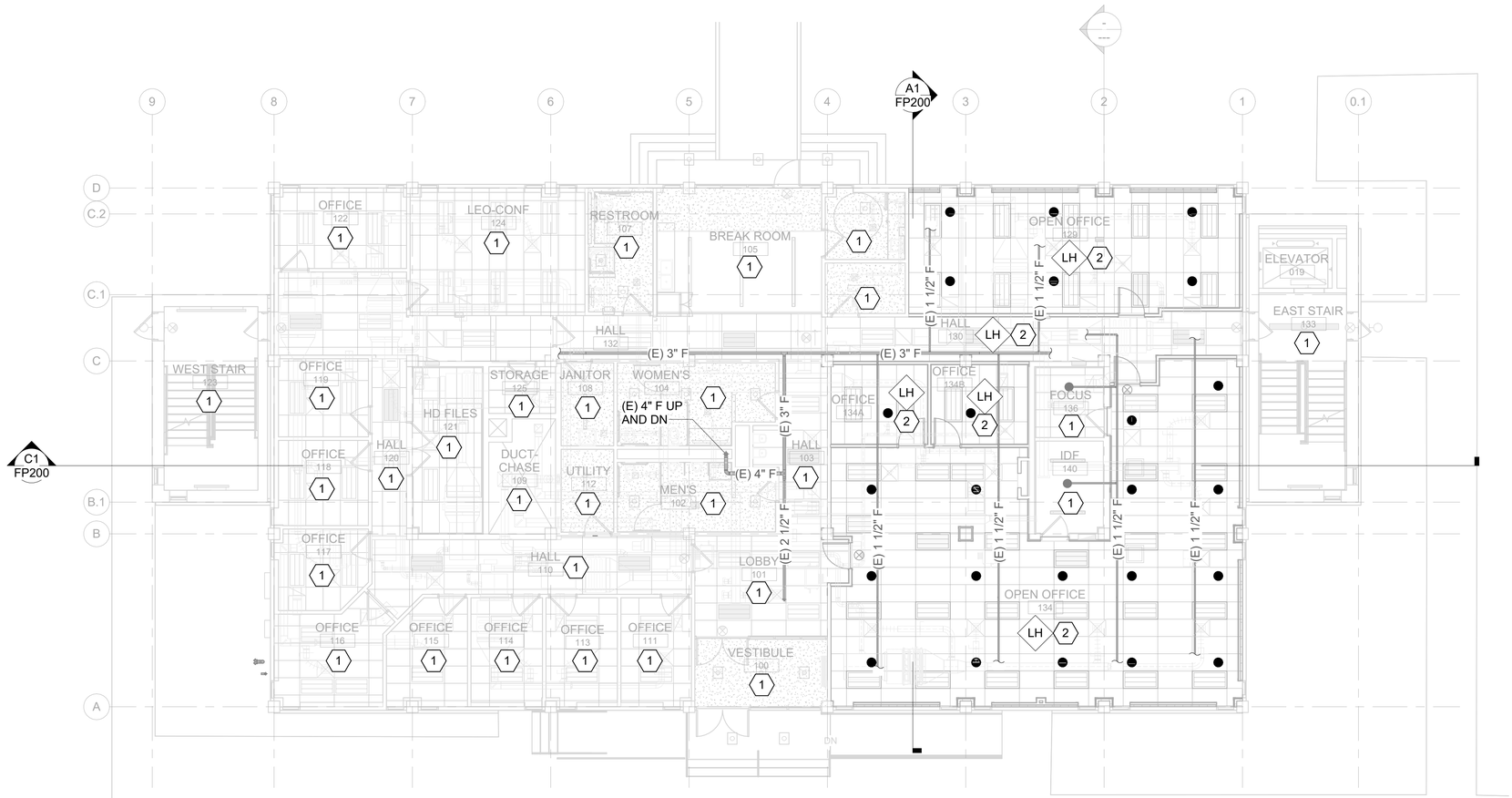
#	Description	Date
	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER LICENSED P-21646 STATE OF IDAHO STEVEN E. BINGHAM

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

FP100

12/2/2025 5:17:27 PM ISSUED FOR CONTRUCTION \\ysv219.ctagroup.net\userdata\jayl\Documents_Revit\LocalTemp\LBYDBLM25_TO28_mep24_jaylistoe79PAT.rvt



B1 FIRST FLOOR FIRE PROTECTION PLAN

N

0 4' 8' 16'

Cushing Terrell.

cushingterrell.com
800.757.9522

GENERAL NOTES

A. THE SPRINKLER SYSTEM SHOWN IS CONCEPTUAL ONLY. THE CONTRACTOR SHALL PROVIDE A COMPLETE SPRINKLER SYSTEM SHOWING ALL REQUIRED PIPING, OFFSETS, SPRINKLERS, RISERS AND DROPS.

B. SHOP DRAWINGS MUST BE FIELD VERIFIED AND REVISED BY THE CONTRACTOR PRIOR TO SUBMITTAL FOR REVIEW BY ENGINEER.

C. FIELD INVESTIGATION BEFORE BIDDING IS REQUIRED. BID SHALL BE COMPLETE AND ACCOUNT FOR ALL REQUIRED PIPE, ROUTING, SPRINKLERS, ETC.

D. IN AREAS WITHOUT SUSPENDED CEILINGS, WHERE THE STRUCTURE IS EXPOSED TO VIEW: INSTALL SPRINKLER PIPING TIGHT TO STRUCTURE AS PRACTICABLE. PAINT EXPOSED PIPING TO MATCH STRUCTURE. COORDINATE WITH G.C.

HAZARD CLASSIFICATION SCHEDULE

SYMBOL	HAZARD	DES. DENSITY-GPM/SF
LH	LIGHT	0.10
OH 1	ORDINARY GROUP 1	0.15
OH 2	ORDINARY GROUP 2	0.20
NAS	NO AUTOMATIC SPRINKLERS	0.00

NOTE: HAZARD SYMBOLS AT ROOM NAMES INDICATE NEW SPRINKLER AND PIPE AS REQUIRED FOR THESE AREAS.

KEYNOTES

1. EXISTING SPRINKLERS AND PIPING TO REMAIN.
2. PROVIDE NEW BRANCHLINES AND SPRINKLERS IN ACCORDANCE WITH NFPA AND THE HAZARD CLASSIFICATION SHOWN WITHIN REMODEL AREA AS REQUIRED.

ALWAYS THINK SAFETY

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR FIRE PROTECTION PLAN

Designed by: KOPP
Drawn by: LISTOE
Checked by: KOPP
Approved by: BINGHAM

Revisions:

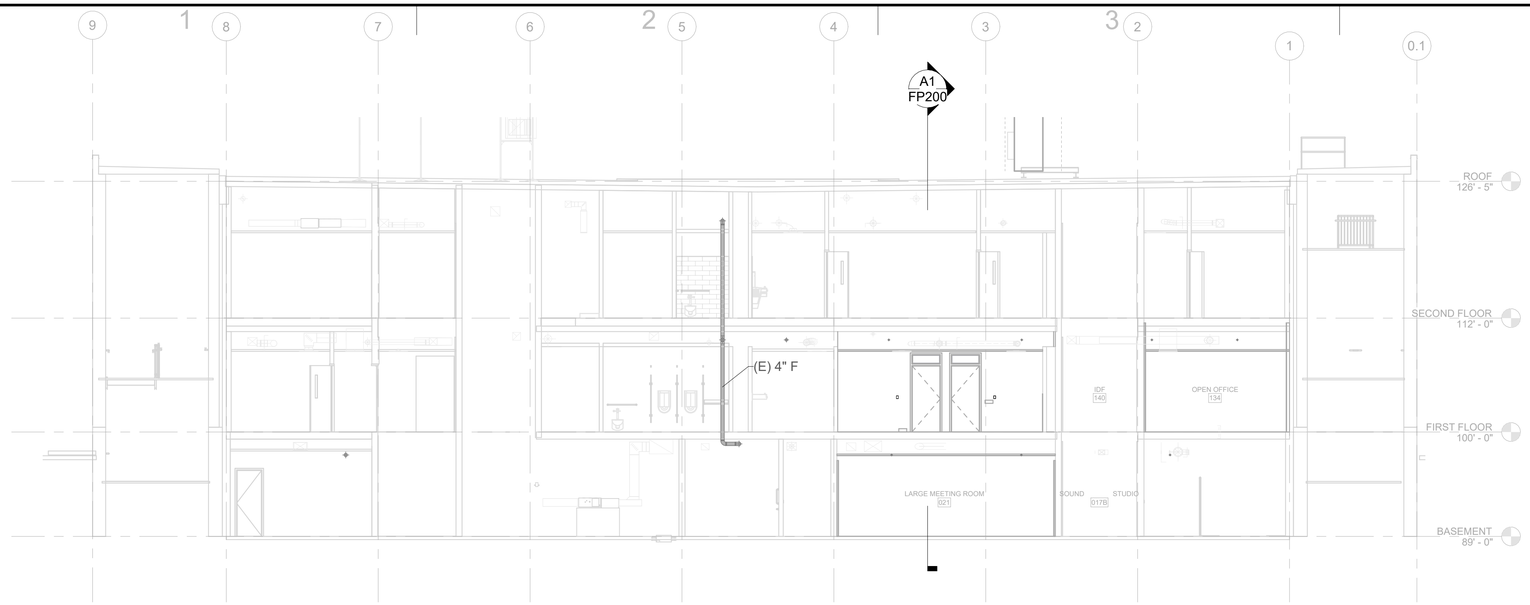
#	Description	Date
	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER LICENSED P-21646 STATE OF IDAHO STEVEN E. BINGHAM

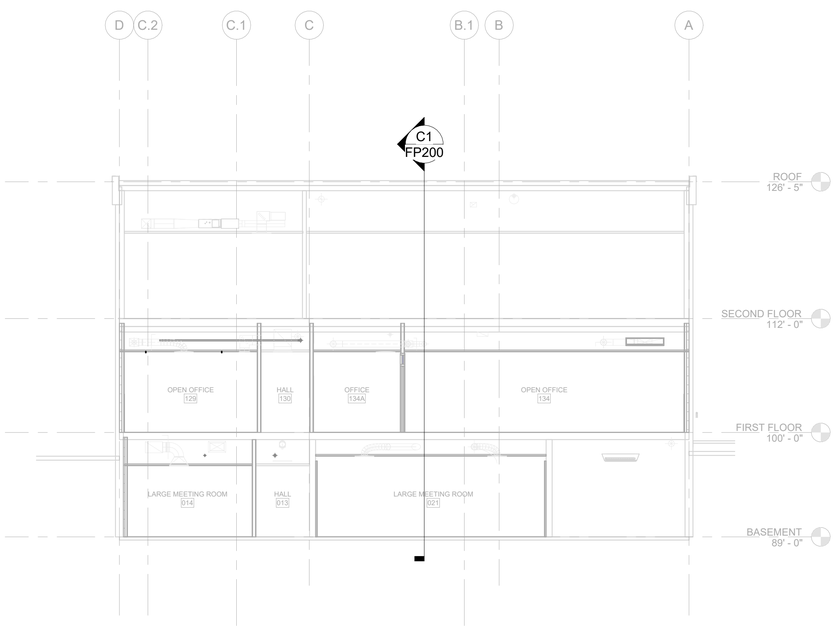
BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

FP101

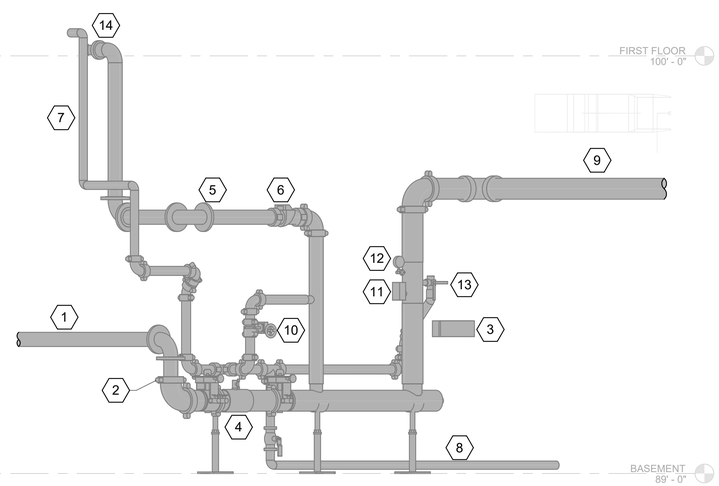
12/2/2025 5:17:30 PM ISSUED FOR CONTRUCTION \\ysv219.ctagroup.net\userdata\jayl\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_jaylistoe79PAT.rvt



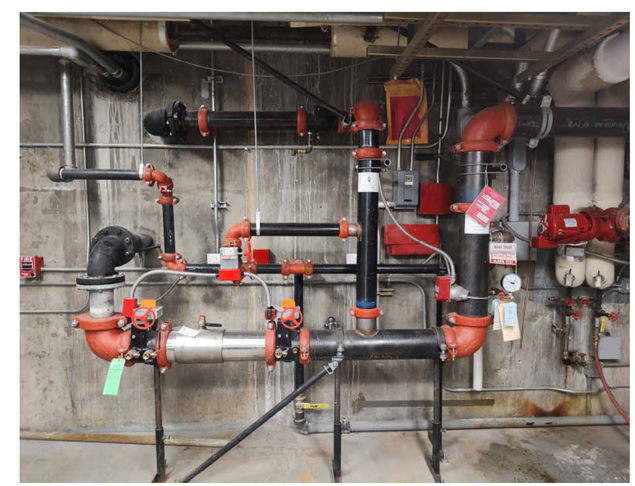
C1 FIRE PROTECTION BUILDING SECTION 0 4' 8' 16'



A1 FIRE PROTECTION BUILDING SECTION 0 4' 8' 16'



A3 EXISTING FIRE PROTECTION RISER DETAIL 0 1' 2' 4'



A4 EXISTING RISER PHOTO

(E) FIRE PROTECTION RISER KEYNOTES

1. (E) 4" FIRE SERVICE INTO BUILDING.
2. (E) 4" X 6" GR TRANSITION COUPLING.
3. (E) SPARE SPRINKLER HEAD CABINET.
4. (E) 6" AMES C200BFG DOUBLE CHECK BACKFLOW PREVENTOR WITH TAMPER SWITCHES.
5. (E) 4" TO FREE STANDING DOUBLE SNOOT FDC.
6. (E) GR CHECK VALVE.
7. (E) 2 1/2" TO FORWARD FLOW TEST HEADER AND MAIN DRAIN.
8. (E) 2 1/2" AUXILIARY DRAIN.
9. (E) 6" TO SINGLE WET SYSTEM.
10. (E) 2 1/2" NORMALLY CLOSED BFG WITH TAMPER SWITCH.
11. (E) 6" FLOW SWITCH.
12. (E) PRESSURE GAUGE.
13. (E) 2 1/2" MAIN DRAIN AND INSPECTORS TEST.
14. (E) FREE STANDING 4" X 2 1/2" X 2 1/2" DOUBLE SNOOT FDC.

Cushing Terrell.
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRE PROTECTION SECTIONS AND EXISTING RISER DETAIL

Designed by: KOPP
Drawn by: LISTOE
Checked by: KOPP
Approved by: BINGHAM

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER LICENSED P-21646 STATE OF IDAHO STEVEN E. BINGHAM

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

FP200

Sheet 36 of 67

ALWAYS THINK SAFETY

ISSUED FOR CONTRUCTION
12/2/2025 5:17:34 PM
\\ysv219.ctagroup.net\userdata\jay\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_jaylistoe79PAT.rvt

GENERAL MECHANICAL DEMOLITION NOTES

1. CONTRACTOR SHALL BE AWARE THAT THIS IS A REMODELING PROJECT AND AS SUCH, CERTAIN ITEMS AND SIZES CANNOT BE FULLY ILLUSTRATED NOR EXPLAINED WITHOUT FIELD OBSERVATION. THEREFORE, THIS CONTRACTOR IS ADVISED TO VISIT AND EXAMINE THE JOB SITE AND BUILDING IN EVERY DETAIL AS PERTAINS TO THIS PROJECT AND MAKE ALLOWANCES IN THEIR PROPOSAL FOR ALL CONDITIONS THAT WILL AFFECT THE WORK INDICATED IN THE PROJECT SPECIFICATIONS AND CONTRACT DRAWINGS.
2. WHERE EXISTING EQUIPMENT, DUCTS, PIPES ETC. ARE TO BE REMOVED, SUCH REMOVAL SHALL INCLUDE ALL ANCHORS, BASES, HANGERS, ETC.
3. CONTRACTOR MUST MEET WITH THE GOVERNMENT OR THEIR REPRESENTATIVE AND DISCUSS THE PROPOSED WORK SCHEDULE FOR REMOVAL, AND REMODELED WORK WITHIN CONTRACT DRAWINGS PRIOR TO PERFORMING ANY WORK. THE CONTRACTOR SHALL INFORM THE GOVERNMENT OR THEIR REPRESENTATIVE, OF THE INTENT TO DO SO AT LEAST 48 HOURS BEFORE SUCH WORK BEGINS.
4. CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING REQUIRED.
5. CONTRACTOR SHALL REPORT AMOUNTS OF MATERIAL RECYCLED IN WEIGHT TO GOVERNMENT.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING CONTINUOUS ACCESS TO ENTRIES AND LIFE-SAFETY EXITS FOR THE OCCUPANTS AT ALL TIMES.
7. PROTECT ALL EXISTING ITEMS TO REMAIN FROM DAMAGE. PATCH AND REPAIR ALL ITEMS DAMAGED DURING CONSTRUCTION.
8. DEMOLITION IS SHOWN AS DASHED LINE IN AREA OF WORK.
9. CONTRACTOR SHALL PATCH, SEAL USING MATCHING DUCT MATERIALS ALL UNUSED OPENINGS IN THE EXISTING DUCTS TO REMAIN AND REPAIR DUCT INSULATION DAMAGED DURING WORK TO MATCH EXISTING.

GENERAL MECHANICAL NOTES

1. COORDINATE INSTALLATION OF PIPING AND DUCTWORK WITH STRUCTURAL COMPONENTS AND OTHER SYSTEM INSTALLATIONS. CREATE PENETRATIONS IN EXISTING BUILDINGS AND PATCH AND REPAIR SURFACES AS REQUIRED TO MATCH EXISTING.
2. ALL DUCT DIMENSIONS SHOWN ARE INTERIOR DIMENSIONS.
3. SEAL ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES WITH U.L. APPROVED FIRE-RATED SYSTEM.
4. COORDINATE LOCATION OF HVAC EQUIPMENT WITH ALL OTHER TRADES TO MAINTAIN ACCESS AND SERVICE CLEARANCES.
5. COORDINATE REQUIREMENTS FOR ACCESS PANELS AND DOORS FOR MECHANICAL ITEMS REQUIRING ACCESS THAT ARE CONCEALED BEHIND FINISHED AREAS. PROVIDE A DRAWING WITH PROJECT SUBMITTALS THAT SHOWS THE LOCATIONS AND SIZE OF PANELS.

HVAC ABBREVIATIONS

%	PERCENT
ACFM	ACTUAL CFM
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AMP	AMPERE (AMP, AMPS)
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APD	AIR PRESSURE DROP
APPROX	APPROXIMATE
BHP	BRAKE HORSEPOWER, BOILER HORSEPOWER
BOD	BOTTOM OF DUCT
BTU	BRITISH THERMAL UNIT
C	COMMON
CFM	CUBIC FEET PER MINUTE
COD	CENTER OF DUCT
CU FT	CUBIC FEET
CU IN	CUBIC INCH
DB	DECIBEL
DBT	DRY-BULB TEMPERATURE
DIA	DIAMETER
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EDR	EQUIVALENT DIRECT RADIATION
EWT	ENTERING WATER TEMPERATURE
EXP	EXPANSION
F	FAHRENHEIT
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FOOT OR FEET
GA	GAGE OR GUAGE
GAL	GALLONS
GC	GENERAL CONTRACTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HEAD
HGT	HEIGHT
HP	HORSEPOWER
HZ	FREQUENCY
ID	INSIDE DIAMETER
KW	KILOWATT
KWH	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LF	LINEAR FEET
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	BTU PER HOUR (THOUSAND)
MC	MECHANICAL CONTRACTOR
MIN	MINIMUM
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO	NUMBER
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OD	OUTSIDE DIAMETER
PD	PRESSURE DROP
PH	PHASE (ELECTRICAL)
PSI	POUNDS PER SQUARE INCH
PSIA	PSI ABSOLUTE
PSIG	PSI GAUGE
R/O	RUN OUT
RA	RETURN AIR
RH	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SCFM	CFM, STANDARD CONDITIONS
SH	SENSIBLE HEAT
SP	STATIC PRESSURE
SP VOL	SPECIFIC VOLUME
SPEC	SPECIFICATION
STD	STANDARD
SUCT	SUCTION
T STAT	THERMOSTAT
TC	TEMPERATURE CONTROL
TD	TEMPERATURE DIFFERENCE
TEMP	TEMPERATURE
TOD	TOP OF DUCT
TONS	TONS OF REFRIGERATION
V	VOLT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
W/	WITH
WPD	WATER PRESSURE DROP

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
UG HWS	UNDERGROUND HYDRONIC WATER SUPPLY
UG HWR	UNDERGROUND HYDRONIC WATER RETURN
REF	REFRIGERANT PIPING
CD	CONDENSATE DRAIN
SA	SUPPLY AIR DUCT
RA	RETURN AIR DUCT
EA	EXHAUST AIR DUCT
	GATE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	GLOBE VALVE
	TRIPLE DUTY VALVE
	SWING CHECK VALVE
	STRAINER
	FLEX CONNECTOR
	HOSE END DRAIN VALVE
	PRESSURE REDUCING VALVE
	SAFETY RELIEF VALVE
	UNION
	MOTORIZED T.C. VALVE / 2-WAY
	MOTORIZED T.C. VALVE / 3-WAY
	ECCENTRIC PLUG BALANCING VALVE
	VALVE IN RISER
	TEE UP
	TEE DOWN
	ELBOW UP
	ELBOW DOWN
	PIPE SIZE CHANGE
	MANUAL FLOW BALANCING VALVE (CIRCUIT SETTER)
	AUTOMATIC FLOW BALANCING VALVE
	PIPE GUIDE
	PIPE ANCHOR
	PRESSURE / TEMP. TEST PLUG

SYMBOL	DESCRIPTION
	ACOUSTICALLY LINED SHEET METAL DUCT
	MANUAL BALANCING DAMPER
	FLEX CONNECTOR
AD AD	ACCESS DOORS
FD	FIRE DAMPER
F/SD	FIRE/SMOKE DAMPER
M M	MOTORIZED DAMPERS
	TURNING VANE ELBOW
	HIGH EFFICIENCY BRANCH TAKE-OFF HETO" WITH VOLUME DAMPER & FLEXIBLE DUCT
	HIGH EFFICIENCY BRANCH TAKE-OFF "HETO" WITH VOLUME DAMPER & RIGID DUCT
S-1 (PLAN CODE) 200 (CFM)	SUPPLY DIFFUSER, 4-WAY THROW UNLESS INDICATED OTHERWISE (W/ FLEXIBLE DUCT)
R-1 (PLAN CODE) 200 (CFM)	RETURN GRILLE
E-1 (PLAN CODE) 200 (CFM)	EXHAUST GRILLE (W/ RIGID BRANCH DUCT)
	CONNECT NEW WORK TO EXISTING
	REMOVE FOR DEMOLITION
(E)	EXISTING
C	COMMON
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
T	THERMOSTAT/TEMPERATURE SENSOR
T	THERMOSTAT/TEMPERATURE SENSOR W/ GUARD
CO2	CARBON DIOXIDE SENSOR

ALWAYS THINK SAFETY

Cushing Terrell
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: MECHANICAL GENERAL NOTES, ABBREVIATIONS

Designed by: BASTOW
Drawn by: HAWKINS
Checked by: RANKIN
Approved by: RANKIN

Revisions:

#	Description	Date

Laura Rankin
Digitally signed by Laura Rankin
Reason: I agree to the terms defined by the placement of my signature on this document.
Contact info: 208-677-5633
Date: 2025.12.03 09:23:17-07'00'

PROFESSIONAL ENGINEER REGISTERED 10658 STATE OF IDAHO LAURA L. G. RANKIN
12/03/2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

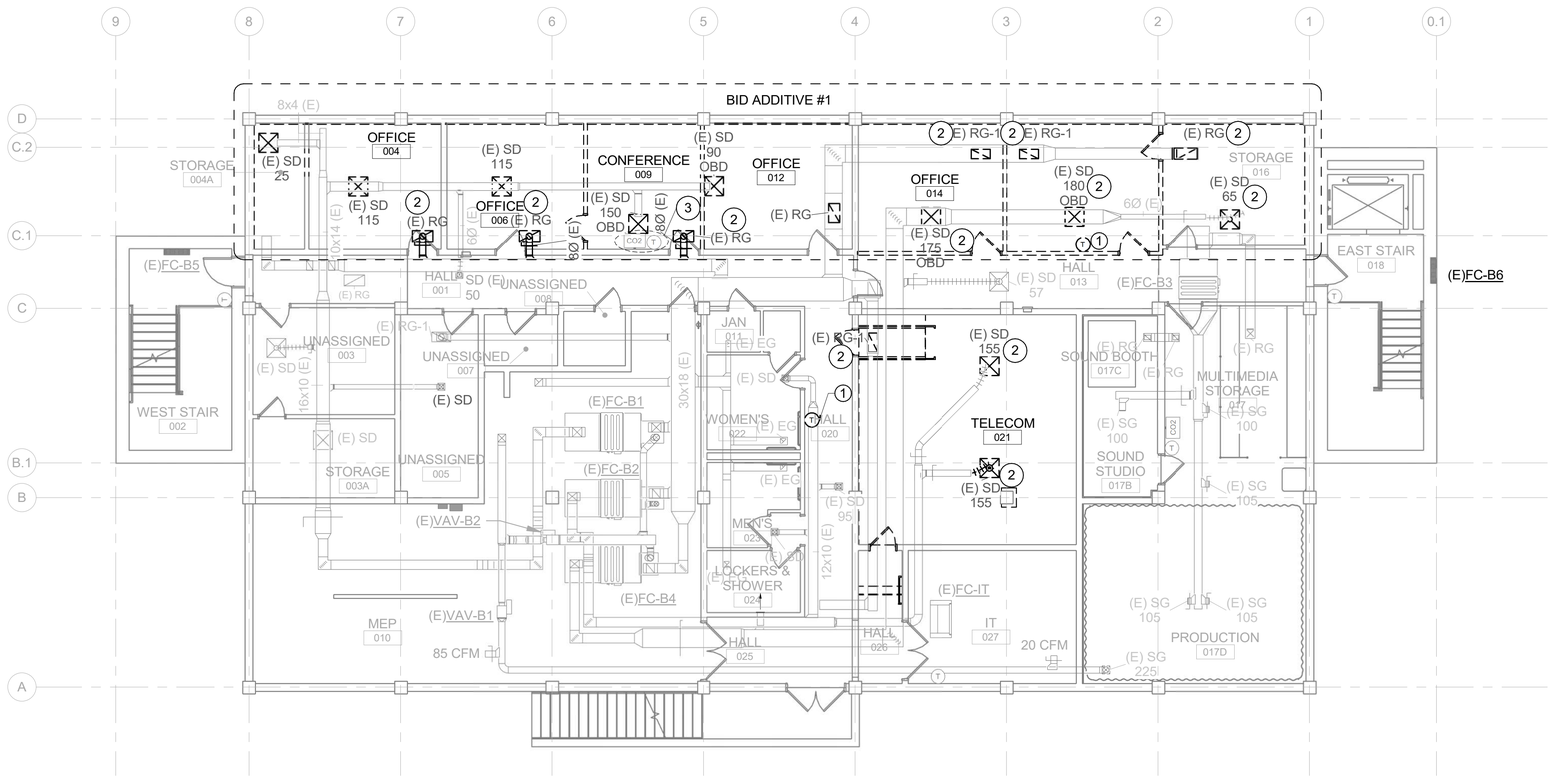
M001

12/2/2025 3:59:25 PM ISSUED FOR CONTRUCTION \\ysv219.ctagroup.net\userdata\annahawkins\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_annahawkins.rvt

Cushing Terrell.
cushingterrell.com
800.757.9522

DEMOLITION KEYNOTES

1. RETAIN AND RELOCATE THERMOSTAT. SEE M100 FOR NEW LOCATION OF THERMOSTAT.
2. REUSE EXISTING SUPPLY DIFFUSER/RETURN GRILLE AND RELOCATE DIFFUSER/GRILLE, SEE REMODEL CEILING LAYOUT. SEE M100 MECHANICAL PLANS.
3. RETAIN AND PROTECT T-STAT (FC-B1).



A1 BASEMENT HVAC DEMOLITION PLAN

0 4' 8' 16'

ALWAYS THINK SAFETY

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: BASEMENT HVAC DEMOLITION PLAN

Designed by: BASTOW
Drawn by: HAWKINS
Checked by: RANKIN
Approved by: RANKIN

Revisions:

#	Description	Date

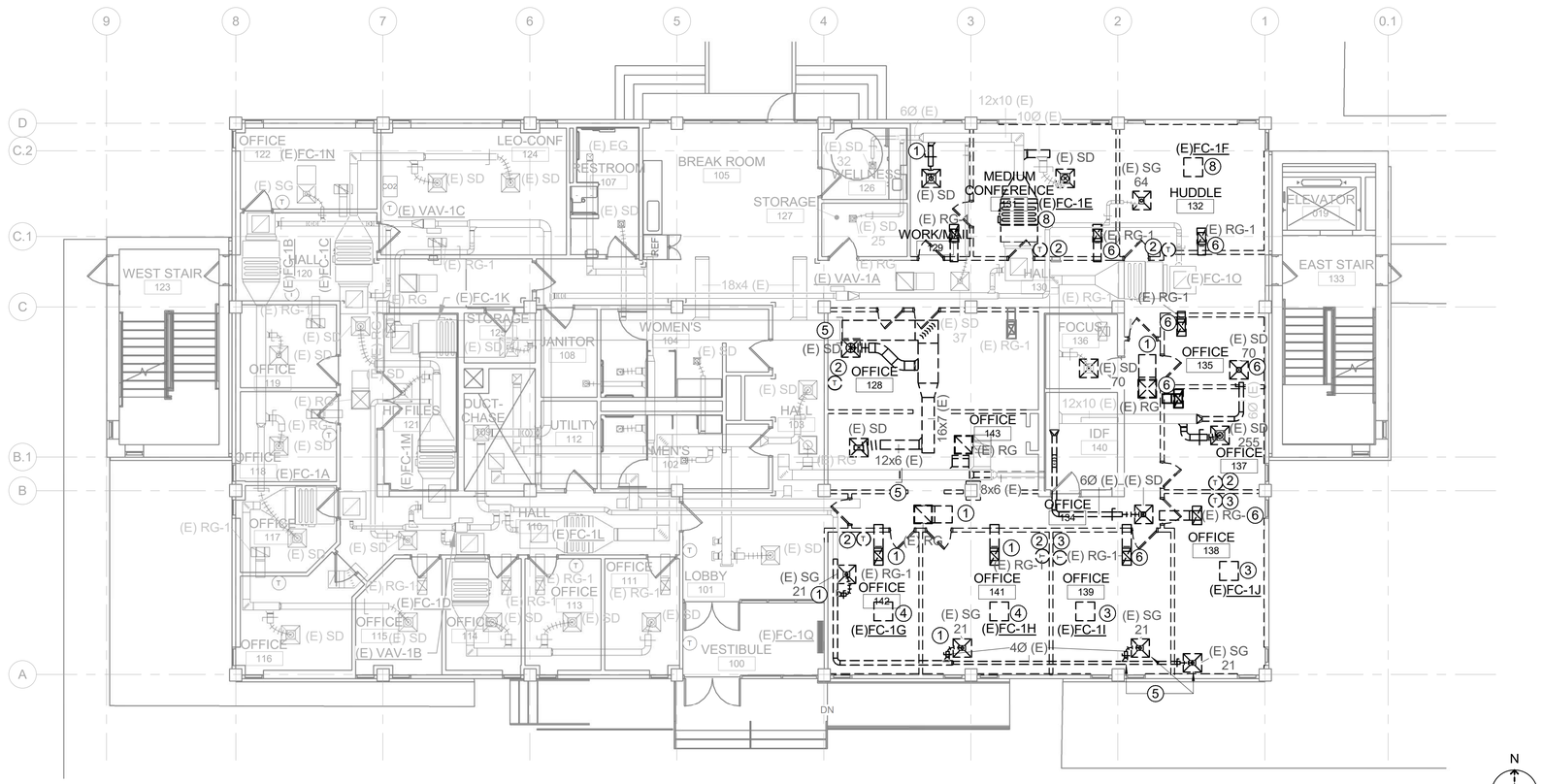
Laura Rankin
Digitally signed by Laura Rankin
Reason: I am the author of this document
Location: by the attachment of my signature on this document
Contact Info: 208-577-5622
Date: 2025.12.03 09:23:43-07'00'

PROFESSIONAL ENGINEER REGISTERED 10658 STATE OF IDAHO LAURA L. G. RANKIN
12/03/2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

MD100

\\ysv219.ctagroup.net\userdata\annahawkins\Documents_RevitLocalTemp\LBYDBLM25_TG28_mep24_annahawkins.rvt
ISSUED FOR CONTRUCTION
12/2/2025 4:00:04 PM



A1 FIRST FLOOR MECHANICAL DEMOLITION PLAN

0 4' 8' 16'

Cushing Terrell.

cushingterrell.com
800.757.9522

DEMOLITION KEYNOTES

1. RELOCATE DIFFUSER, GRILLES TO REMODEL CEILING LAYOUT. SEE M101 MECHANICAL PLAN.
2. EXISTING THERMOSTAT TO BE REMOVED AND RELOCATED, SEE M101 MECHANICAL PLAN.
3. REMOVE FOR DEMOLITION CEILING CASSETTE AND THERMOSTAT.
4. EXISTING CEILING CASSETTE UNIT TO BE REMOVED AND RELOCATED. SEE M101 MECHANICAL PLAN.
5. CAP DUCT. REMOVE FOR DEMOLITION GRILLES AND DUCTWORK.
6. REMOVE FOR DEMOLITION GRILLE/DIFFUSER AND DUCT WORK.
7. RETAIN AND PROTECT EXISTING CEILING CASSETTE. SEE M101 MECHANICAL PLAN.
8. REMOVE FOR DEMOLITION DUCTED EXISTING FAN COIL. PROTECT AND RETAIN RETURN AIR AND SUPPLY AIR DUCTWORK.

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title:
FIRST FLOOR HVAC
DEMOLITION PLAN

Designed by: BASTOW
Checked by: RANKIN
Drawn by: HAWKINS
Approved by: RANKIN

Revisions:

#	Description	Date

Laura Rankin
Digitally signed by Laura Rankin
Reason: I agree to the terms
of Adobe's agreement for my
signature on this document
Contact Info: 208-677-5610
Date: 2025.12.03 09:23:56-07'00'

PROFESSIONAL ENGINEER REGISTERED 10658 STATE OF IDAHO LAURA L. G. RANKIN

12/03/2025

BLM Project # 140L0622D002

Project # 070117.028

Date: 12.2.2025

MD101

Sheet 39 of 67

ALWAYS THINK SAFETY

ISSUED FOR CONTRUCTION

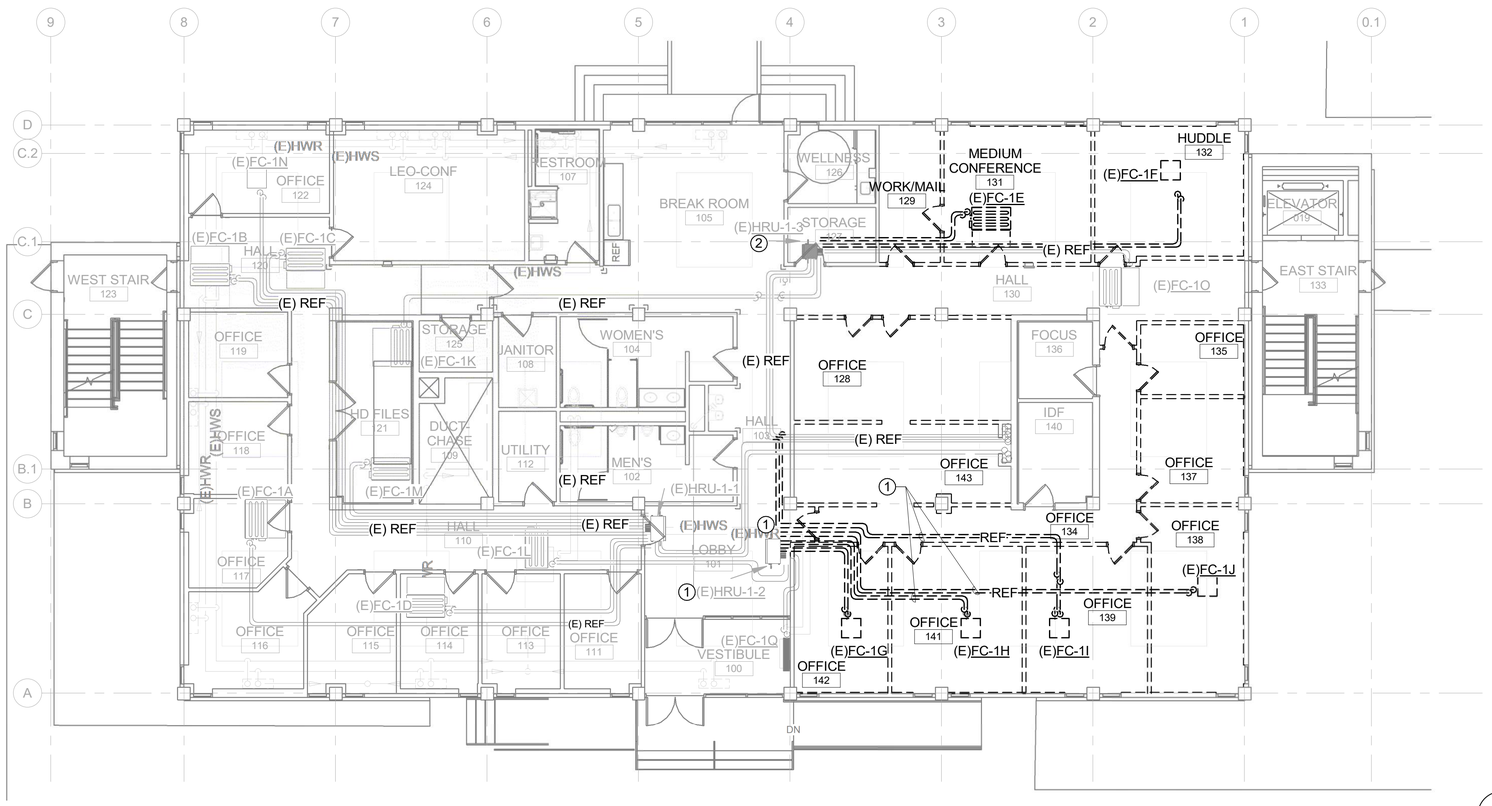
12/2/2025 4:00:15 PM \\ysv219.ctagroup.net\userdata\annahawkins\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_annahawkins.rvt

\\vsv219.ctagroup.net\userdata\annahawkins\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_annahawkins.rvt
ISSUED FOR CONTRUCTION
12/2/2025 4:00:36 PM

Cushing Terrell.
cushingterrell.com
800.757.9522

DEMOLITION KEYNOTES

1. REMOVE FOR DEMOLITION LIQUID, SUCTION AND HOT GAS LINES TO HRU1-2 FOR REMOVED CEILING CASSETTE UNITS.
2. REMOVE FOR DEMOLITION LIQUID, SUCTION AND HOT GAS LINES TO HRU-1-3 FOR REMOVED CEILING CASSETTE AND DUCTED FAN UNITS.



A1 FIRST FLOOR REFRIGERANT DEMOLITION PIPING PLAN

ALWAYS THINK SAFETY

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title:
FIRST FLOOR REFRIGERANT DEMOLITION PIPING PLAN

Designed by: BASTOW
Drawn by: HAWKINS
Checked by: RANKIN
Approved by: RANKIN

Revisions:

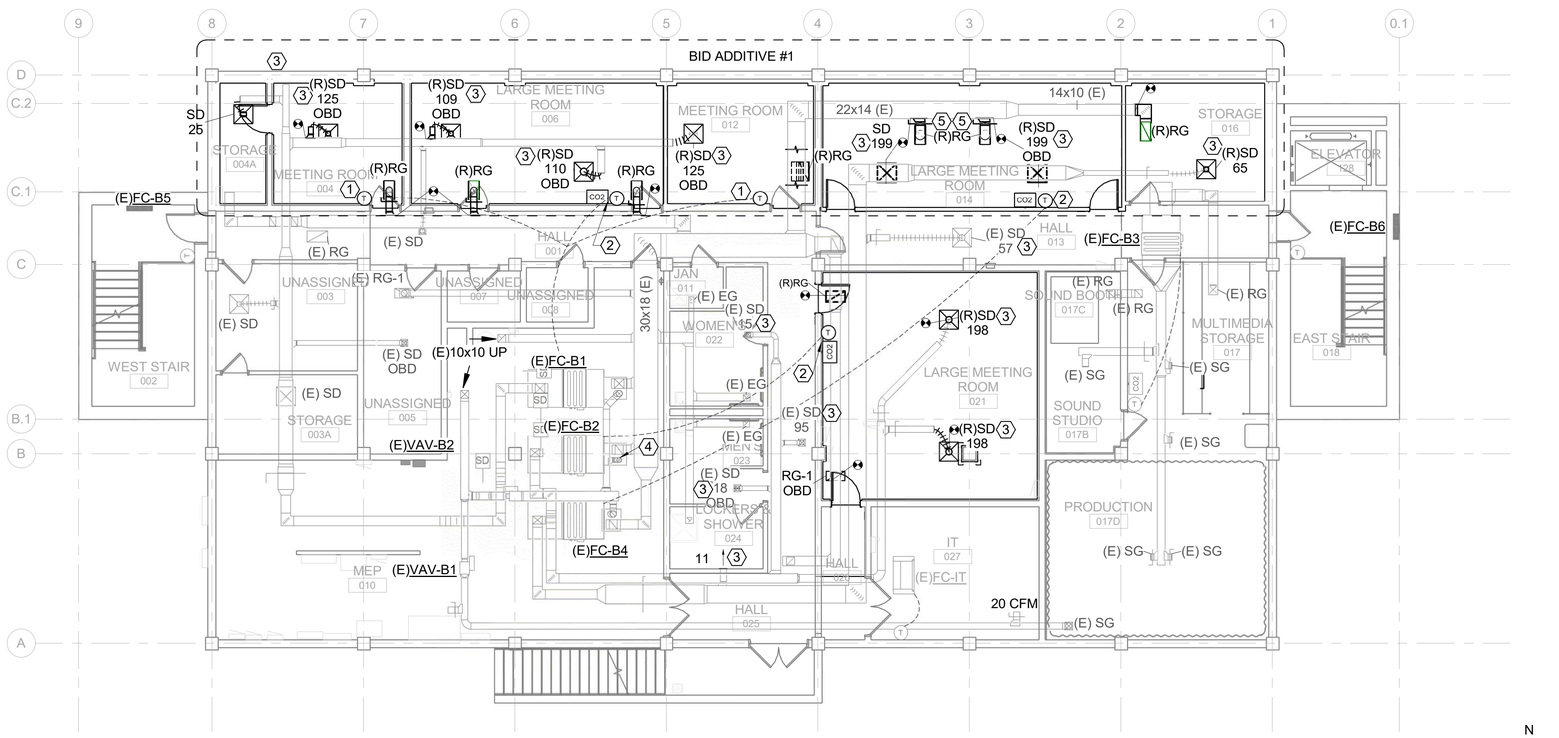
#	Description	Date

Laura Rankin
Digitally signed by Laura Rankin
Reason: I agree to the terms
Signed by the placement of my signature on this document
Contact info: 208-577-5610
Date: 2025.12.02 09:24:11-07'00'

PROFESSIONAL ENGINEER REGISTERED 10658 STATE OF IDAHO LAURA L. G. RANKIN
12/03/2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

MD121



A1 BASEMENT MECHANICAL PLAN

Cushing Terrell.

cushingterrell.com
800.757.9522

SHEET KEYNOTES:

1. PROVIDE TEMPERATURE AVERAGING T-STAT CONNECTED TO (E) FC-B1.
2. RELOCATE TEMPERATURE SENSOR.
3. REBALANCE AIR FLOW AND RELOCATE TO NEW CEILING GRIDS AND CEILING LOCATION.
4. BALANCE EXISTING OUTSIDE AIRFLOW DAMPER TO 151 CFM.
5. INSTALL MANUAL VOLUME DAMPER FOR RELOCATED GRILLE.

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title: BASEMENT MECHANICAL PLAN

Designed by: BASTOW
Checked by: RANKIN
Drawn by: HAWKINS
Approved by: RANKIN

Revisions:

#	Description	Date

Laura Rankin
Digitally signed by Laura Rankin
Reason: I agree to the terms defined by the placement of my signature on this document.
Contact Info: 208-577-6610
Date: 2025.12.03 09:24:30-07'00'

PROFESSIONAL ENGINEER REGISTERED 10658 STATE OF IDAHO LAURA L. G. RANKIN
12/03/2025

BLM Project # 140L0622D002

Project # 070117.028

Date: 12.2.2025

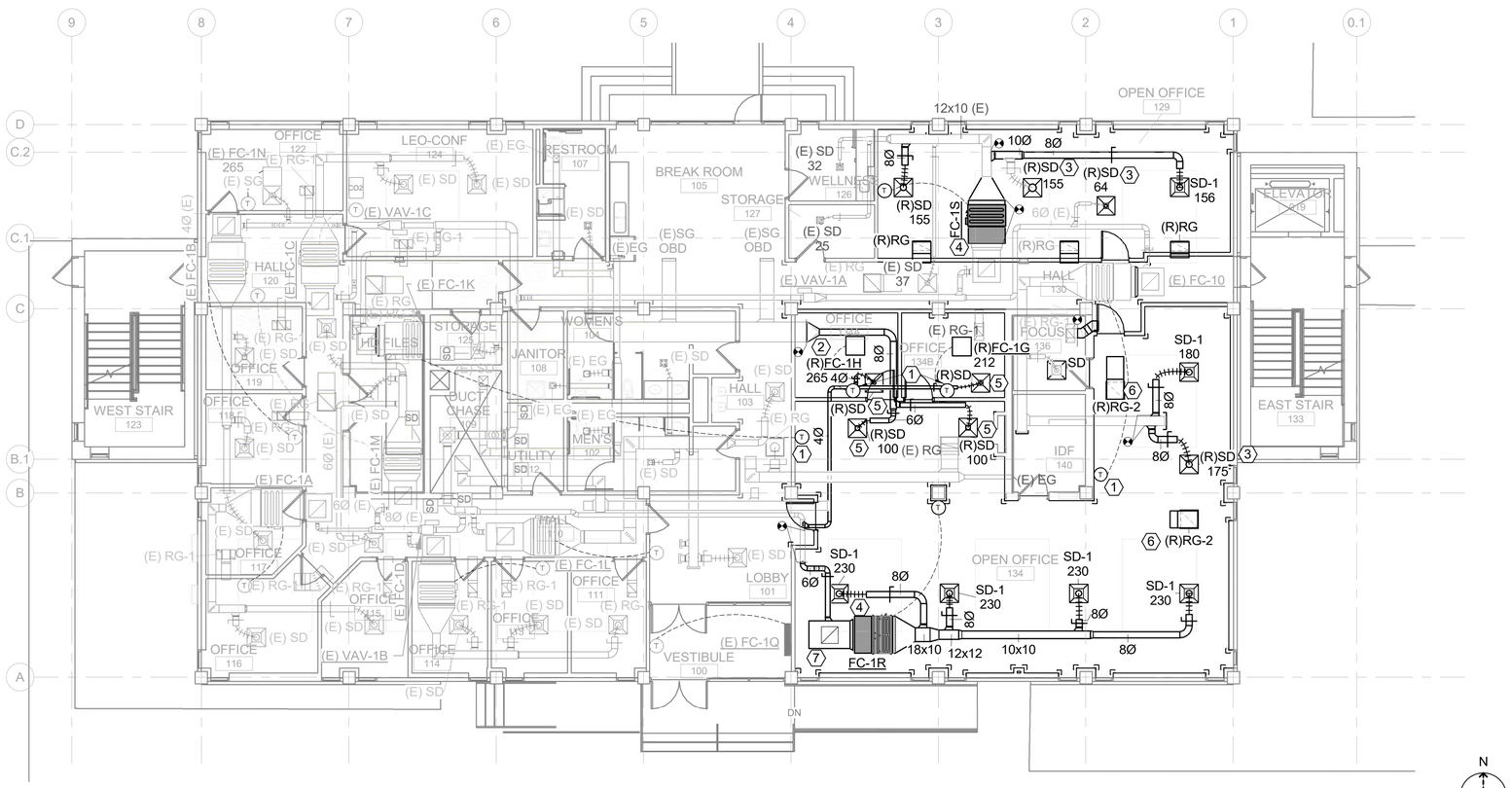
M100

Sheet 41 of 67

ALWAYS THINK SAFETY

ISSUED FOR CONTRUCTION

12/2/2025 3:59:34 PM \\ysv219.ctagroup.net\userdata\annahawkins\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_annahawkins.rvt



A1 FIRST FLOOR MECHANICAL PLAN

Cushing Terrell.

cushingterrell.com
800.757.9522

SHEET KEYNOTES:

1. RELOCATE TEMPERATURE SENSOR.
2. TRANSITION EXISTING DUCTWORK TO 8"Ø.
3. RELOCATE SUPPLY DIFFUSERS TO REMODEL CEILING GRID. AIRFLOW REMAINS THE SAME.
4. PROVIDE FILTER BOX ON FAN COIL. SEE DETAIL B2/M500.
5. REUSE SUPPLY GRILLE/DIFFUSERS FROM DEMO'D OFFICE. BALANCE TO 21 CFM.
6. RELOCATE RETURN GRILLE/DUCTWORK TO REMODEL CEILING GRID.
7. 22x22 OPENING IN TOP OF RETURN PLENUM.

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR MECHANICAL PLAN

Designed by: BASTOW
Drawn by: HAWKINS
Checked by: RANKIN
Approved by: RANKIN

Revisions:

#	Description	Date

Laura Rankin

Digitally signed by Laura Rankin
DN: cn=Laura Rankin, c=US
Reason: I am the author of this document
Location: My signature on this document
Contact Info: 208-577-5632
Date: 2025.12.03 09:24:42-07'00'

PROFESSIONAL ENGINEER REGISTERED 10658 STATE OF IDAHO LAURA L. G. RANKIN

12/03/2025

BLM Project # 140L0622D002

Project # 070117.028

Date: 12.2.2025

M101

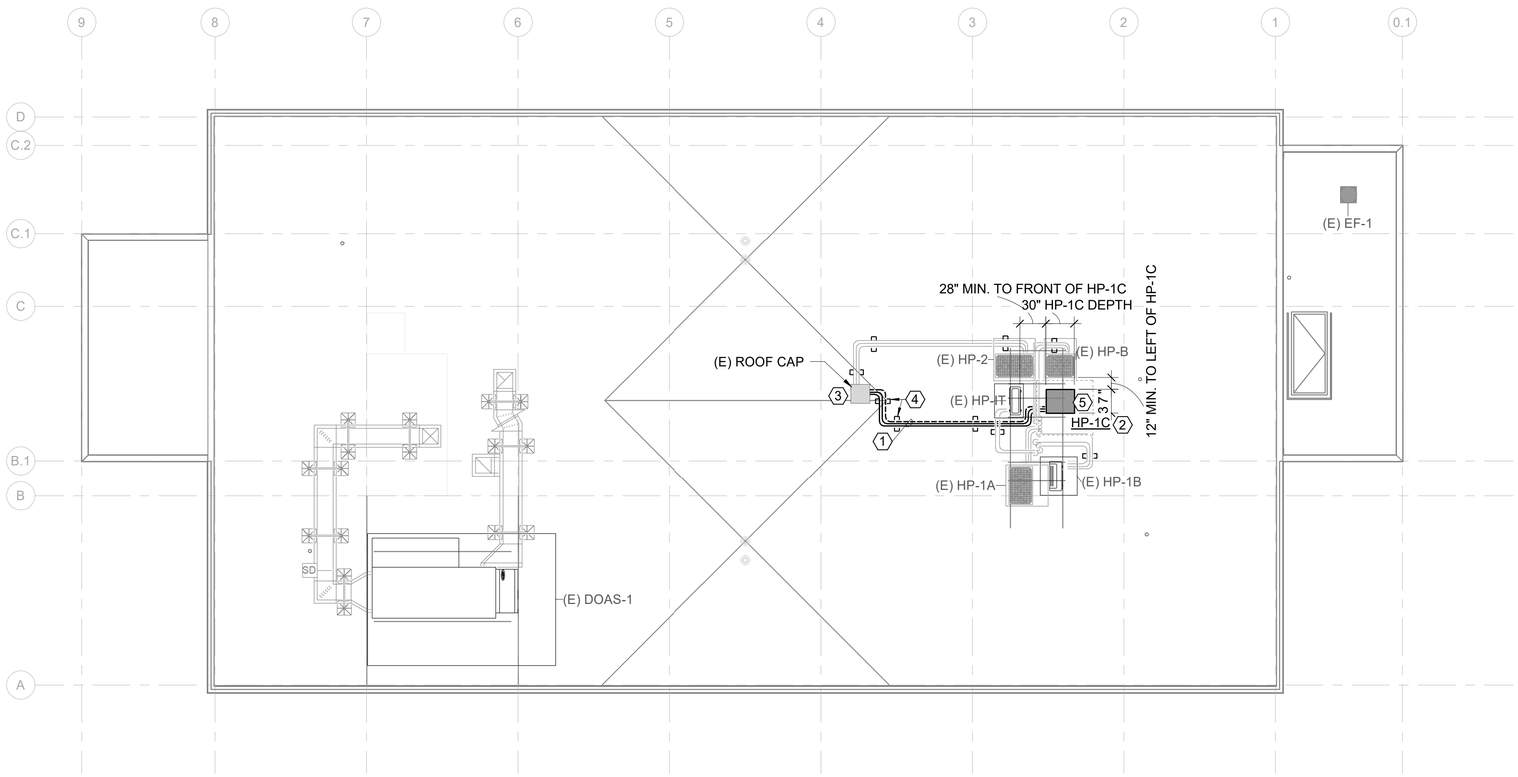
Sheet 42 of 67

ALWAYS THINK SAFETY

ISSUED FOR CONTRUCTION

12/2/2025 3:59:46 PM \\ysv219.ctagroup.net\userdata\annahawkins\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_annahawkins.rvt

\\ysv219.ctagroup.net\userdata\annahawkins\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_annahawkins.rvt
ISSUED FOR CONTRUCTION
1/5/2026 3:43:41 PM



A1 ROOF MECHANICAL PLAN

Cushing Terrell.

cushingterrell.com
800.757.9522

SHEET KEYNOTES:

1. INSTALL NEW 3 PIPE REFRIGERATION (R-32) LINE SET FROM HP-1C TO HRU-1-4, SEE M121 REFRIGERANT PIPING PLAN AND DETAIL C2/M606.
2. INSTALL HP-1C ON NEW UNISTRUT STRUCTURAL STEEL.
3. MODIFY EXISTING ROOF CAP AS REQUIRED TO FIT NEW REFRIGERANT LINES.
4. PROVIDE PIPE SUPPORTS FOR NEW REFRIGERANT LINES SIMILAR TO EXISTING PIPE SUPPORTS.
5. COORDINATE WITH ELECTRICAL FOR HP-1C UNIT PLACEMENT.

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title:
ROOF MECHANICAL PLAN

Designed by: BASTOW
Drawn by: HAWKINS
Checked by: RANKIN
Approved by: RANKIN

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

Laura L Rankin

PROFESSIONAL ENGINEER REGISTERED 10658 STATE OF IDAHO LAURA L. G. RANKIN

01/07/2026

BLM Project # 140L0622D002

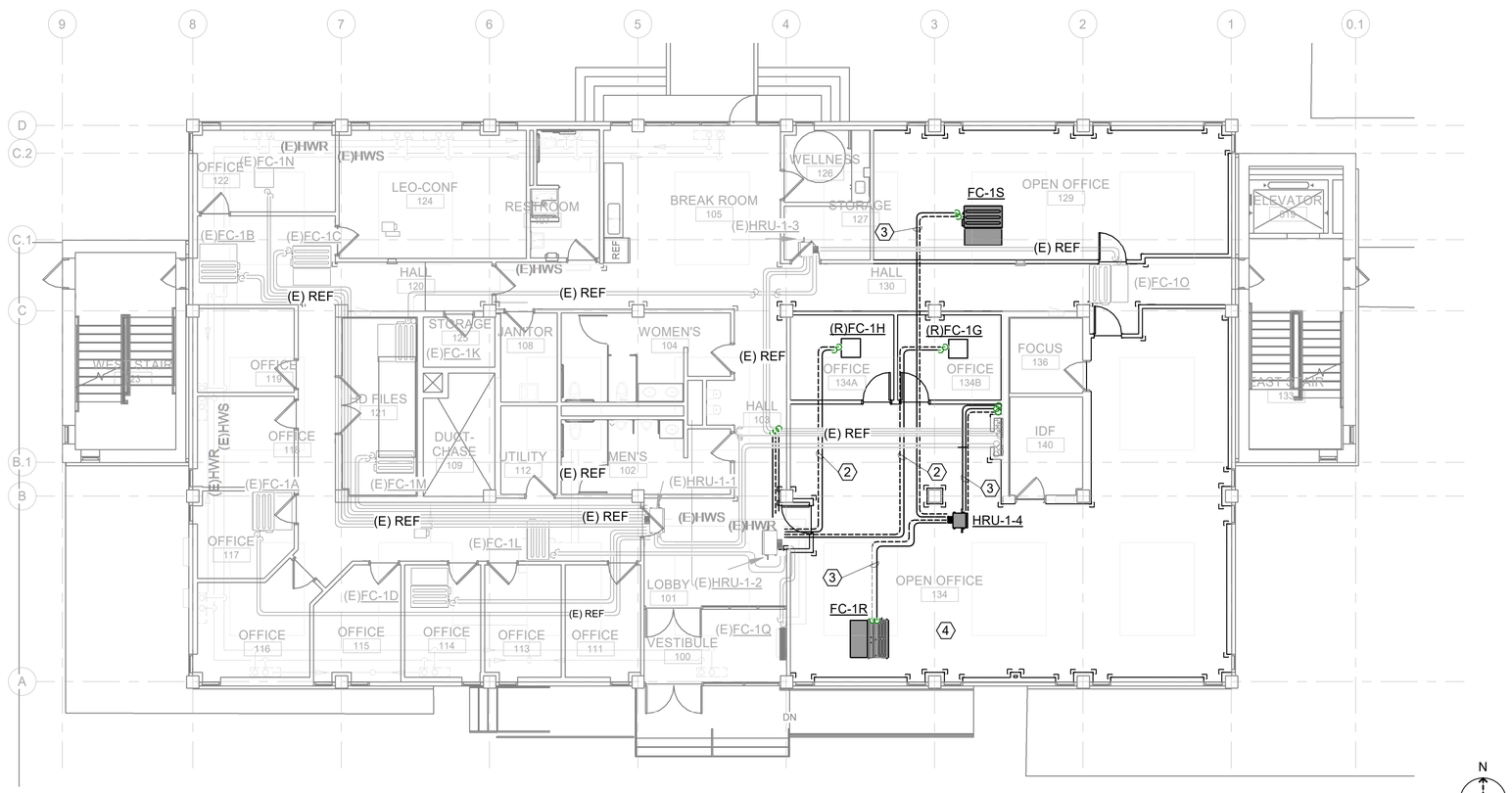
Project # 070117.028

Date: 12.2.2025

M102

Sheet 43 of 67

ALWAYS THINK SAFETY



A1 FIRST FLOOR REFRIGERANT PIPING PLAN

0 4' 8' 16'

Cushing Terrell.
cushingterrell.com
800.757.9522

SHEET KEYNOTES

1. REPLACE ENTIRE THREE REFRIGERANT PIPE LINE SET FROM (E) HRU1-2 TO (E) HP-1A. RESIZED BY VRF MANUFACTURER FOR CHANGES.
2. REPLACE ENTIRE TWO REFRIGERANT PIPE LINE SET FROM (E) HRU1-2 TO FC-1H, FC-1G, RESIZED FOR NEW LENGTH BY VRF MANUFACTURER.
3. PROVIDE TWO REFRIGERANT LINE SET (FOR R-32) FROM FC-1R TO HRU-1-4. PROVIDE TWO REFRIGERANT LINE SET (FOR R-32) FROM FC-1S TO HRU-1-4. PROVIDE THREE REFRIGERANT LINE SET (FOR R-32) FROM HRU-1-4 TO HP-1C ON ROOF. SEE M102 MECHANICAL ROOF PLAN AND M122 SECOND FLOOR REFRIGERANT PIPING PLAN FOR CONTINUATION.
4. REFRIGERANT PIPING SHOWN FOR CLARITY. CONNECT TO HRU PER MANUFACTURERS INSTALLATION INSTRUCTIONS.

NATIONAL SYSTEM OF PUBLIC LANDS · U.S. DEPARTMENT OF THE INTERIOR · BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR REFRIGERANT PIPING PLAN

Designed by: BASTOW
Drawn by: HAWKINS
Checked by: RANKIN
Approved by: RANKIN

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

Laura L Rankin

PROFESSIONAL ENGINEER REGISTERED 10658 STATE OF IDAHO LAURA L. G. RANKIN

01/07/2026

BLM Project # 140L0622D002

Project # 070117.028

Date: 12.2.2025

M121

Sheet 44 of 67

ALWAYS THINK SAFETY

ISSUED FOR CONTRUCTION

1/5/2026 3:43:01 PM

\\ysv219.ctagroup.net\userdata\annahawkins\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_annahawkins.rvt

Cushing Terrell.
cushingterrell.com
800.757.9522

SHEET KEYNOTES

1. PROVIDE THREE REFRIGERANT LINE SET (FOR R-32) FROM HRU-1-4 TO HP-1C ON ROOF. SEE M102 MECHANICAL ROOF PLAN FOR CONTINUATION.
2. SEE ARCHITECTURAL DRAWINGS FOR NEW REFRIGERANT PIPE CHASE.

A1 SECOND FLOOR REFRIGERANT PIPING PLAN

ALWAYS THINK SAFETY

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title: SECOND FLOOR REFRIGERANT PIPING PLAN

Designed by: BASTOW
Drawn by: HAWKINS
Checked by: RANKIN
Approved by: RANKIN

Revisions:

#	Description	Date
	ISSUED FOR CONSTRUCTION	12.02.25

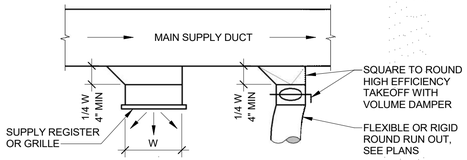
Laura L Rankin
DN: CN=Laura L Rankin, O=Cushing Terrell, OU=Mechanical Engineer, E=laurarankin@ct.com, C=US
Reason: I agree to the terms defined by the placement of this signature on this document.
Location: Idaho, Idaho Falls
Date: 2026-01-07 08:32:00-07'00'

PROFESSIONAL ENGINEER REGISTERED 10658 STATE OF IDAHO LAURA L. G. RANKIN
01/07/2026

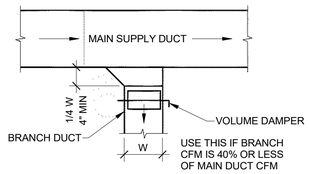
BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

M122

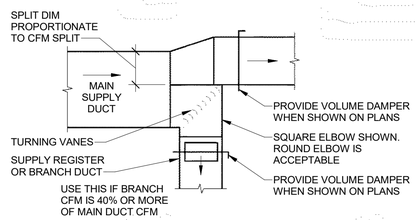
\\ysv219.ctagroup.net\userdata\annahawkins\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_annahawkins.rvt
ISSUED FOR CONTRUCTION
1/5/2026 3:43:51 PM



SUPPLY REGISTER & RUN OUT TAKEOFF

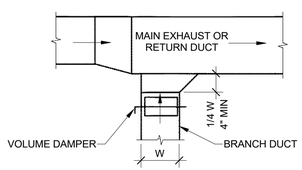


BRANCH DUCT TAKEOFF



AIR SPLIT TYPE DUCT TAKEOFF

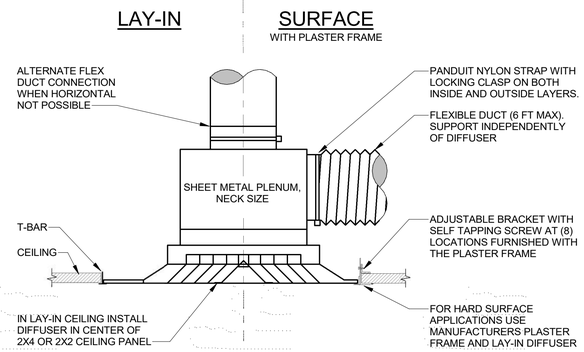
SUPPLY DUCT TAKEOFFS



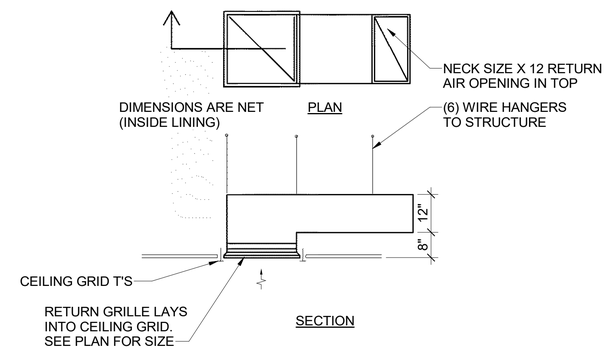
EXHAUST AND/OR RETURN BRANCH DUCT

RETURN / EXHAUST DUCT TAKEOFFS

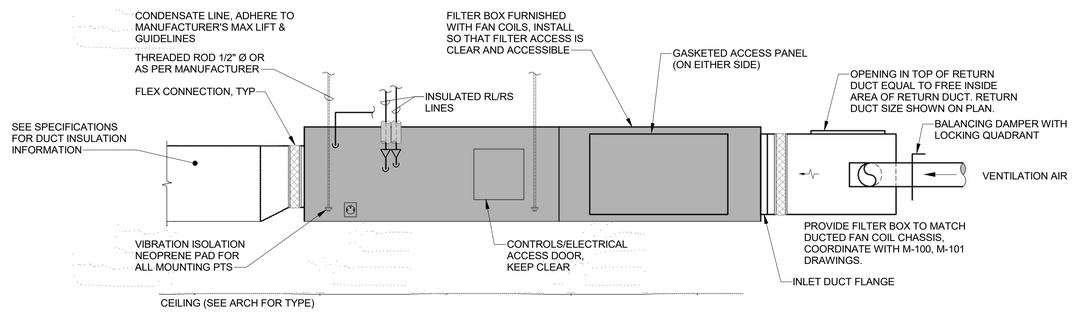
B1 LOW VELOCITY DUCT DETAILS



C2 CEILING DIFFUSER - PLENUM CONNECTION



C4 RETURN DUCT DETAIL



B2 INDOOR DUCTED FAN COIL UNIT DETAIL

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS · U.S. DEPARTMENT OF THE INTERIOR · BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: HVAC DETAILS

Designed by: BASTOW
Drawn by: HAWKINS
Checked by: RANKIN
Approved by: RANKIN

Revisions:

#	Description	Date

Laura Rankin
Digitally signed by Laura Rankin
Reason: I agree to the terms
Location: I am the author of my signature on this document
Contact Info: 208-577-5653
Date: 2025.12.03 09:25:28-07'00'

PROFESSIONAL ENGINEER REGISTERED 10658 STATE OF IDAHO LAURA L. G. RANKIN
12/03/2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

M500

\\sv219.ctagroup.net\userdata\annahawkins\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_annahawkins.rvt
ISSUED FOR CONTRUCTION
12/2/2025 3:59:49 PM

DIFFUSER, REGISTER & GRILLE SCHEDULE

PLAN CODE	BASIS OF DESIGN		MODULE SIZE	NECK SIZE	MATERIAL	COLOR/ FINISH	NOTES
SD-1	TITUS	MCD	24" x 24"	8"Ø IN 12" x 12" SQUARE NECK	STEEL	WHITE	1, 2

SCHEDULE NOTES:
1. CEILING GRID IS 48"x24" ACOUSTICAL CEILING.
2. PROVIDE ANY CROSSBAR TO MAKE NEW GRD'S FIT INTO CEILING.

VRF HEAT RECOVERY HEAT PUMP UNIT SCHEDULE

PLAN CODE	BASIS OF DESIGN	SYSTEM MODEL NUMBER	NOMINAL SYSTEM COOLING CAPACITY (BTU/H)	NOMINAL HEATING CAPACITY (BTU/H)	CORRECTED COOLING TOTAL CAPACITY (BTU/H)	CORRECTED HEATING CAPACITY (BTU/H)	DESIGN COOLING OUTDOOR TEMP DB (°F)	DESIGN HEATING OUTDOOR TEMP DB (°F)	SOUND PRESSURE COOLING / HEATING (DBA)	ELECTRIC POWER (V/PH/HZ)	COMPRES SORS AMPS	FAN AMPS	MCA AMPS	MOCP AMPS	POWER DISCONNECT FURNISHED	EER / IEER	HIGH COP @ 47°F	UNIT WEIGHT (LBS)
(E)HP-2	LG	ARUM216BTE5	216,000	243,000	197,000	228,000	96.1 / 64.9	3 / 2.4	64	208 / 3 / 60	54.2	8	60.3	80	SEE DIV 26	10.70 / 22.40	3.2	666
(E)HP-B	LG	ARUM072BTE5	72,000	81,000	65,500	75,900	96.1 / 64.9	3 / 2.4	58	208 / 3 / 60	19.1	5	22.6	35	SEE DIV 26	13.00 / 23.60	3.48	430
(E)HP-1A	LG	ARUM096BTE5	96,000	108,000	88,200	101,000	96.1 / 64.9	3 / 2.4	58	208 / 3 / 60	24.4	8	28.5	40	SEE DIV 26	13.5 / 25.10	3.66	507
(E)HP-1B	LG	ARUM048GSS5	48,000	54,000	43,500	46,000	96.1 / 64.9	3 / 2.4	52/54	208 / 1 / 60	18.4	0.5 X 2	24	40	SEE DIV 26	13.5 / 23.30		263
HP-1C	LG	ZRUM072BTE6	72,000	81,000	58,440	66,120	96.1 / 64.9	3 / 2.4	59	208 / 3/ 60	20.5	5	31.8	35	SEE DIV 26	11.9 / 19.7	3.85	473

VRF HEAT RECOVERY UNIT SCHEDULE

PLAN CODE	CONNECTED OUTDOOR HP	BASIS OF DESIGN	MODEL NUMBER	UNIT TYPE (MULTI / SINGLE)	NUMBER OF PORTS	CONDENSATE DRAIN	ELECTRICAL POWER(V/PH/HZ)	RATED AMPS	POWER DISCONNECT FURNISHED	WEIGHT (LBS)	NOTES
(E)HRU-B-1	HP-B	LG	PRHR043A	MULTI	4	NO	208/1/60	0.06	BY DIV.26	40	
(E)HRU-B-2	HP-B	LG	PRHR023A	MULTI	2	NO	208/1/60	0.06	BY DIV.26	33	
(E)HRU-1-2	HP-1B	LG	PRHR063A	MULTI	6	NO	208/1/60	0.09	BY DIV.26	60	
(E)HRU-1-3	HP-1B	LG	PRHR043A	MULTI	4	NO	208/1/60	0.06	BY DIV.26	40	
(E)HRU-1-1	HP-1A	LG	PRHR063A	MULTI	6	NO	208/1/60	0.09	BY DIV.26	60	
HRU-1-4	HP-1C	LG	PRHRO23C	MULTI	2	NO	208/1/60	0.1	BY DIV.26	75	

VRF FAN COIL UNIT SCHEDULE

FAN COIL PLAN CODE	HEAT PUMP SYSTEM ID	ROOM NUMBER WITH TEMP SENSOR	BASIS OF DESIGN	MODEL	REFRIG.	UNIT TYPE	MINIMUM SUPPLY AIR (CFM)	OUTDOOR AIR FROM DOAS (CFM)	SOUND PRESSURE AT FAN SPEED (IDBA)	MAXIMUM FAN ESP (IN WG)	NOMINAL COOLING CAPACITY (BTU/H)	NOMINAL HEATING CAPACITY (BTU/H)	CORRECTED TOTAL COOLING CAPACITY (BTU/H)	CORRECTED SENSIBLE COOLING CAPACITY (BTU/H)	CORRECTED HEATING CAPACITY (BTU/H)	POWER	MCA	POWER DISCONNECT FURNISHED	WEIGHT (LBS)	NOTES
(E) FC-B1	HP-B	LRG. MTG. RM. 006	LG	ARNU183M2A4	R410A	CONCEALED DUCTED	645	237	54/53/53	0.7	19,100	21,500	16,800	13,500	19,600	208/1/60	2.90	BY DIV. 26	82.9	1
(E) FC-B2	HP-B	LRG. MTG. RM. 021	LG	ARNU123M2A4	R410A	CONCEALED DUCTED	535	151	53/52/52	0.7	12,300	13,600	10,800	8,700	12,600	208/1/60	2.90	BY DIV. 26	82.9	1
(E) FC-B4	HP-B	LRG. MTG. RM. 014	LG	ARNU153M2A4	R410A	CONCEALED DUCTED	520	169	53/52/52	0.7	15,400	17,100	13,600	11,100	15,800	208/1/60	2.90	BY DIV. 26	82.9	1
(R) FC-1G	HP-1A	OFFICE 134A	LG	ARNU073TRD4	R410A	CEILING CASSETTE	212	21	29/27/26	-	7,500	8,500	6,500	4,800	7,700	208/1/60	0.25	BY DIV. 26	29	1
(R) FC-1H	HP-1A	OFFICE 134B	LG	ARNU073TRD4	R410A	CEILING CASSETTE	265	21	29/27/26	-	7,500	8,500	6,500	4,800	7,700	208/1/60	0.25	BY DIV. 26	29	1
(E) FC-1K	HP-1A	BREAK ROOM 105	LG	ARNU153M2A4	R410A	CONCEALED DUCTED	550	178	53/52/52	0.7	15,400	17,100	13,400	11,000	15,700	208/1/60	2.90	BY DIV. 26	82.9	1
(E) FC-1O	HP-1A	OPEN OFFICE 134	LG	ARNU093M2A4	R410A	CONCEALED DUCTED	425	49	53/52/52	0.7	9,600	10,900	8,400	6,200	9,800	208/1/60	2.90	BY DIV. 26	82.9	1
FC-1R	HP-1C	OPEN OFFICE 134	LG	ZRNU363M2AA	R32	CONCEALED DUCTED	920	42	42/40/38	0.7	36,200	40,600	27,480	20,640	31,440	208/1/60	2.90	BY DIV. 26	86.2	1,2
FC-1S	HP-1C	OPEN OFFICE 129	LG	ZRNU243M2AA	R32	CONCEALED DUCTED	560	178	39/38/37	0.5	24,200	27,300	19,080	14,280	22,080	208/1/60	2.90	BY DIV. 26	82.9	1,2

NOTES:
1. EXISTING (E) RELOCATED (R). FC-1J, FC-1I, FC-1E AND FC-1F DELETED.
2. PROVIDE FILTER BOX ZFBXM201A.

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title:
MECHANICAL SCHEDULES

Designed by: BASTOW
Drawn by: HAWKINS
Checked by: RANKIN
Approved by: RANKIN

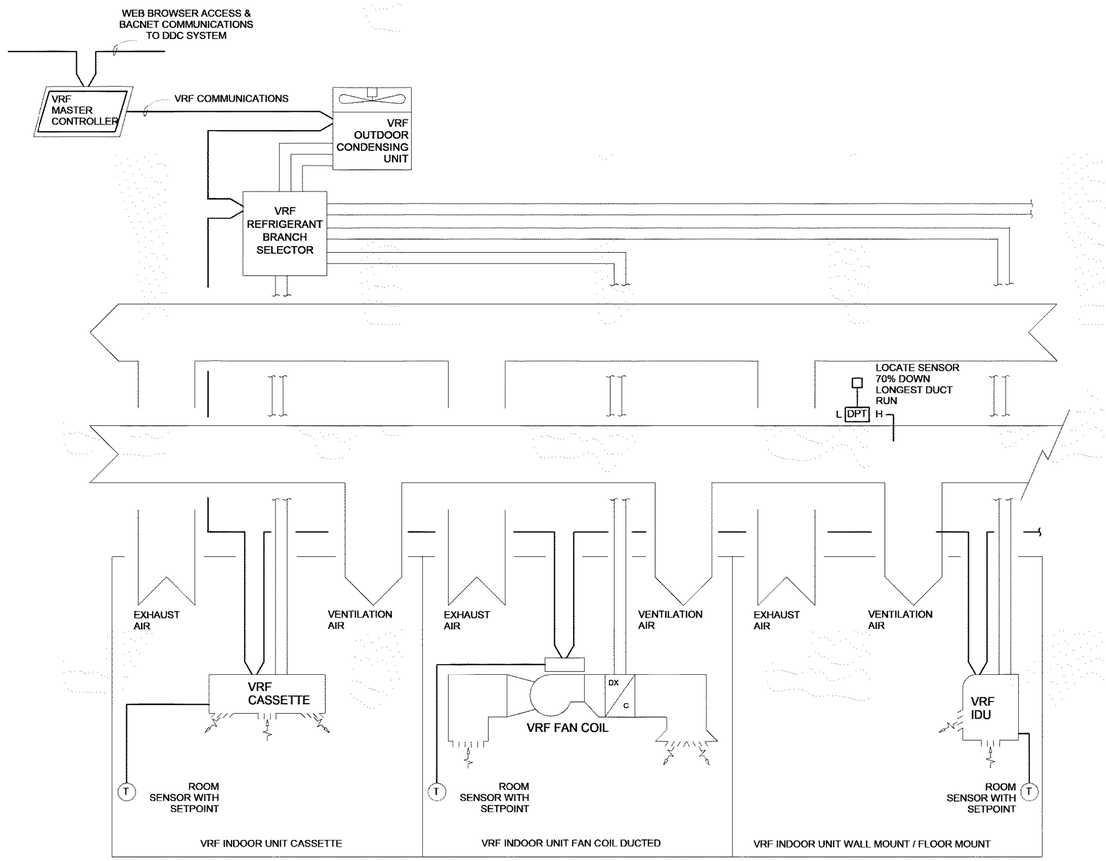
Revisions:
#	Description	Date

Laura Rankin
Digitally signed by Laura Rankin
Reason: I agree to the terms defined by the placement of my signature on this document.
Location: 208-577-5425
Date: 2025.12.03 09:25:40-07'00'
PROFESSIONAL ENGINEER REGISTERED 10658 STATE OF IDAHO LAURA L. G. RANKIN
12/03/2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

M600

\\ysv219.ctagroup.net\userdata\annahawkins\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_annahawkins.rvt
ISSUED FOR CONTRUCTION
12/2/2025 3:59:54 PM



B1 VRF CONTROL

VRF HVAC SYSTEM CONTROL SYSTEM

THE BUILDING HAS AN EXISTING VRF SYSTEM INCLUDING ROOM SENSORS, REFRIGERANT CONTROL DEVICES, INDOOR FAN COILS, CENTRALIZED CONDENSING UNIT, AND CENTRALIZED VRF SYSTEM CONTROLLER.

THE PROJECT SCOPE OF WORK INCLUDES REMOVAL OF PORTIONS OF THE EXISTING VRF EQUIPMENT, MODIFICATIONS TO PORTIONS OF THE EXISTING VRF EQUIPMENT, AND THE ADDITION OF NEW VRF EQUIPMENT.

INTEGRATE ALL VRF EQUIPMENT INTO THE CENTRALIZED CONTROL SYSTEM AND INCORPORATE INTO THE BUILDING OCCUPIED/ UNOCCUPIED SCHEDULING AND OPTIMAL START ROUTINES.

THE AC CONTROL ALGORITHM SHALL BE BUILT-IN AND INCLUDE ALL OPERATING AND SAFETY CONTROL NECESSARY TO OPERATE THE SYSTEM. COORDINATE ALL WORK WITH THE VRF UNIT MANUFACTURER AS REQUIRED.

IN OCCUPIED AND UNOCCUPIED MODES, THE VRF FAN COIL UNITS THAT DO NOT HAVE OUTSIDE AIR DUCTED TO THEM SHALL RUN INTERMITTENTLY TO SATISFY THE THERMOSTAT SET POINTS. IN OCCUPIED MODE, THE VRF FAN COIL UNITS WITH OUTSIDE AIR DUCTED TO THEM SHALL RUN CONTINUOUSLY.

IN UNOCCUPIED MODE, THE VRF FAN COIL UNITS WITH OUTSIDE AIR DUCTED TO THEM SHALL RUN INTERMITTENTLY TO SATISFY THERMOSTAT SET POINTS.

EACH VRF THERMOSTAT SHALL BE PROVIDED WITH AN OVERRIDE FEATURE THAT WILL ACTIVATE THE VRF SYSTEM AND DOAS SYSTEM FOR A PERIOD NOT TO EXCEED 3 HOURS.

MONITORING AND CONTROL POINTS: PROVIDE AND REVISE GRAPHICS FOR EACH OF THE UNITS THAT CONTINUOUSLY MONITOR AND DISPLAY THE AIRFLOW AND TEMPERATURE OF THE SUPPLY AIR.

ALARMS: THE HIGH LEVEL CONDENSATE SUMP FLOAT SWITCH SHALL DE-ENERGIZE THE FAN COIL UNIT AND SEND A SIGNAL TO THE CONTROLLER FOR AN ALARM.

MODIFY THE EXISTING SCHEDULES WITH INPUT FROM THE GOVERNMENT. ALL SCHEDULING SHALL BE VIA MANUFACTURERS CENTRAL CONTROLLER AND CAN BE ACCESSED AND MODIFIED AT THE CENTRALIZED CONTROLLER OR THE MANUFACTURERS WEB-BASED SOFTWARE.

CONTROL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	ELECTRIC OR DDC INPUT OR OUTPUT	M	MOTORIZED DAMPER AND ELECTRIC ACTUATOR
T	TEMPERATURE - ROOM SENSOR		GRAVITY BACKDRAFT DAMPER
CO2	CARBON DIOXIDE - ROOM SENSOR	H / C	HEATING COIL (H / C) COOLING COIL (C / C) PREHEAT COIL (PH / C) DX COIL (DX / C)
T	TEMPERATURE - DUCT PROBE	ELECTRIC HEAT	ELECTRIC HEATING COIL
T	TEMPERATURE - DUCT AVERAGING ELEMENT		AIR FILTER
T	TEMPERATURE - OUTDOOR SENSOR WITH SUN SHIELD		FAN OR PUMP
	TEMPERATURE LOW LIMIT / HIGH LIMIT THERMOSTAT	VFD/ ECM	VARIABLE FREQUENCY DRIVE OR ECM MOTOR
DPT L H	ANALOG DIFF PRESSURE TRANSMITTER		
DPS L H	BINARY DIFFERENTIAL PRESSURE SWITCH		
Φ	CURRENT RELAY OR TRANSDUCER		
©	RELAY		

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS · U.S. DEPARTMENT OF THE INTERIOR · BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title: HVAC CONTROLS DIAGRAMS

Designed by: BASTOW
Drawn by: HAWKINS
Checked by: RANKIN
Approved by: RANKIN

Revisions:

#	Description	Date

Laura Rankin
Digitally signed by Laura Rankin
Reason: I agree to the terms defined by the placement of my signature on this document.
Contact info: 208-577-6410
Date: 2025.12.03 09:25:52-07'00'

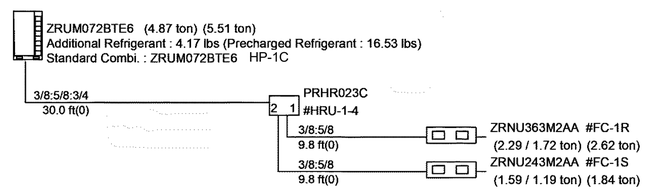
PROFESSIONAL ENGINEER REGISTERED 10658 STATE OF IDAHO LAURA L. G. RANKIN
12/03/2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

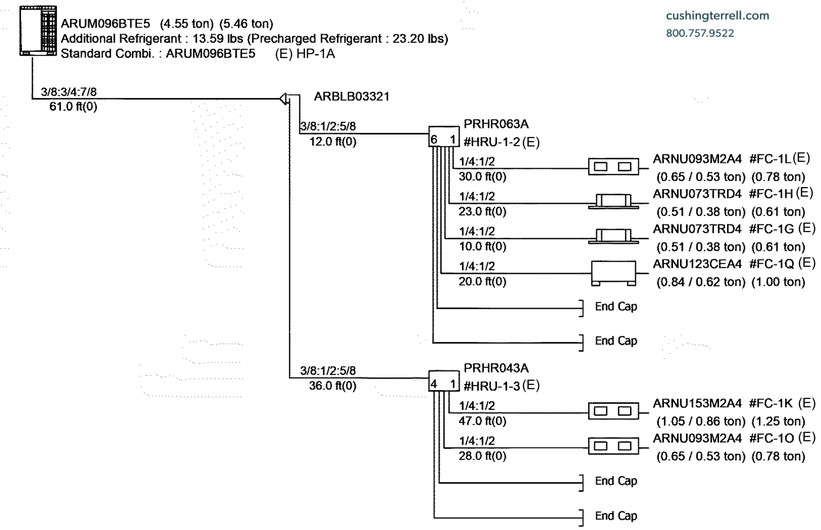
M604

Sheet 48 of 67

ISSUED FOR CONTRUCTION
12/2/2025 4:01:01 PM
\\ysv219.ctagroup.net\userdata\annahawkins\Documents_Revit\LocalTemp\LBYDBLM25_TO28_mep24_annahawkins.rvt



C2 HP-1C SCHEMATIC (NEW)



C4 HP-1A SCHEMATIC (EXISTING)

NOTE: FC-1E, FC-1F, FC-1J & FC-1I ARE REMOVED.

ALWAYS THINK SAFETY

Cushing Terrell.

cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title:
VRF SCHEMATIC

Designed by: BASTOW
Drawn by: HAWKINS
Checked by: RANKIN
Approved by: RANKIN

Revisions:

#	Description	Date

Laura Rankin

Digitally signed by Laura Rankin
Reason: I agree to the terms defined by the placement of my signature on this document.
Contact Info: 208-577-5610
Date: 2025.12.03 09:26:03-07'00'

PROFESSIONAL ENGINEER
REGISTERED
10658
STATE OF IDAHO
LAURA L. G. RANKIN

12/03/2025

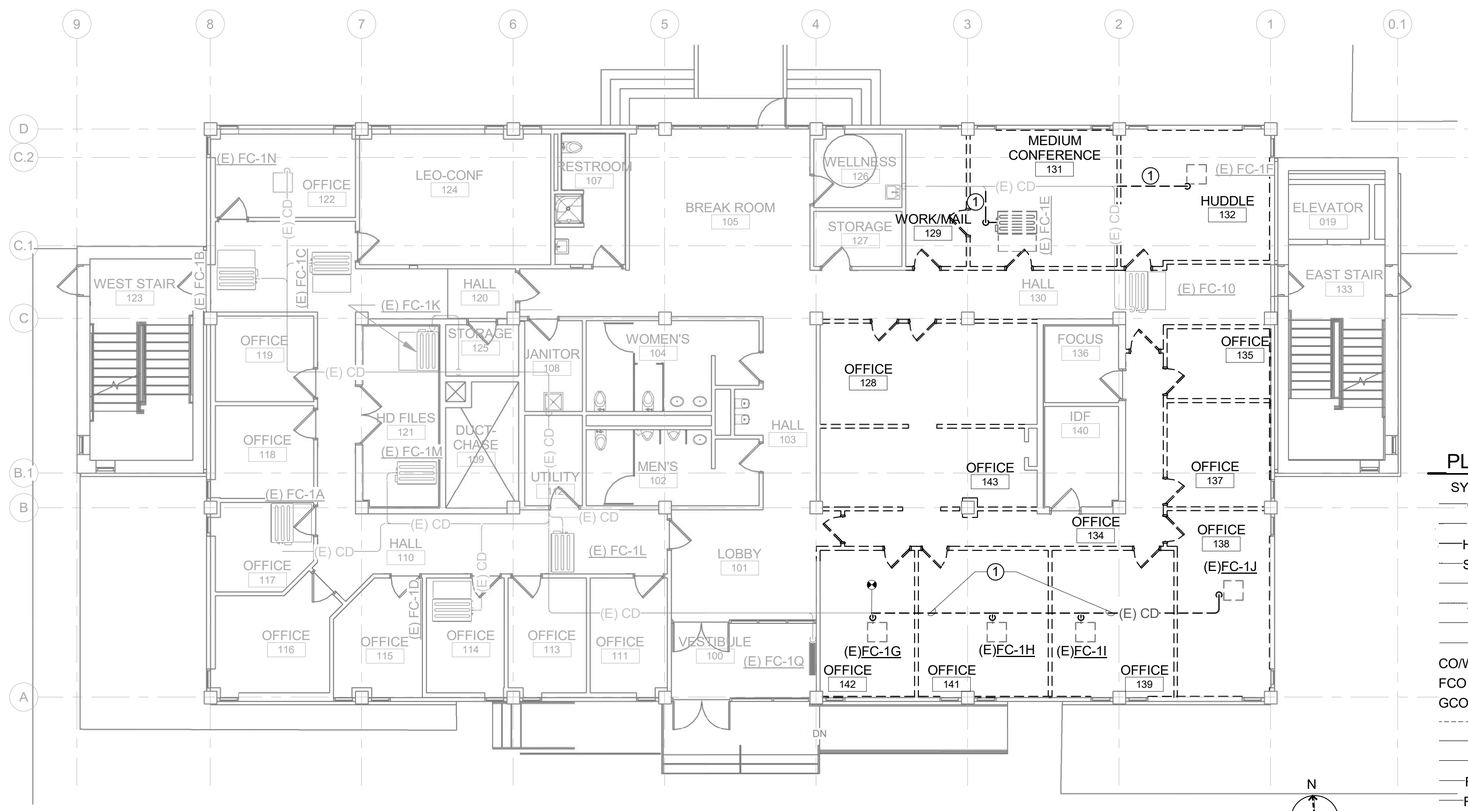
BLM Project # 140L0622D002

Project # 070117.028

Date: 12.2.2025

M606

12/2/2025 4:00:38 PM ISSUED FOR CONTRUCTION \\ysv219.ctagroup.net\userdata\annahawkins\Documents_Revit\LocalTemp\LBYDBLM25_TO28_mep24_annahawkins.rvt



A1 FIRST FLOOR DWV DEMOLITION PLAN

Cushing Terrell.

cushingterrell.com
800.757.9522

DEMOLITION KEYNOTES:

1. REMOVE CONDENSATE DRAIN FROM RELOCATED OR DEMO'D FAN COIL UNITS.

GENERAL PLUMBING DEMOLITION NOTES:

1. THIS CONTRACTOR SHALL BE AWARE THAT THIS IS A REMODELING PROJECT AND AS SUCH, CERTAIN ITEMS AND SIZES CANNOT BE FULLY ILLUSTRATED NOR EXPLAINED WITHOUT FIELD OBSERVATION. THEREFORE, THIS CONTRACTOR IS ADVISED TO VISIT AND EXAMINE THE JOB SITE AND BUILDING IN EVERY DETAIL AS PERTAINS TO THIS PROJECT AND MAKE ALLOWANCES IN HIS PROPOSAL FOR ALL CONDITIONS THAT WILL AFFECT THE WORK INDICATED IN THE PROJECT SPECIFICATIONS AND CONTRACT DRAWINGS.
2. ALL REMOVED ITEMS, EXCEPT THOSE NOTED TO BE REUSED OR TO REMAIN THE PROPERTY OF THE GOVERNMENT, SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE JOB SITE. THE GOVERNMENT RESERVES THE RIGHT TO KEEP ANY REMOVED ITEMS EVEN THOUGH NOT NOTED ON DRAWINGS.
3. WHERE EXISTING EQUIPMENT, DUCTS, PIPES ETC. ARE TO BE REMOVED, SUCH REMOVAL SHALL INCLUDE ALL ANCHORS, BASES, HANGERS, ETC.
4. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL REMOVAL ITEMS.
5. PROMPTLY REPAIR DAMAGES CAUSED TO ADJACENT AREAS OR FINISHES BY DEMOLITION OR CONSTRUCTION WORK AT NO ADDITIONAL COST TO THE GOVERNMENT.
6. MECHANICAL EQUIPMENT, DUCTWORK, AND PIPING SHOWN IN DARK BOLD DASHED LINES IS TO BE REMOVED FROM THE SITE OR LEFT TO SALVAGE BY THE GOVERNMENT. ITEMS NOT SALVAGED SHALL BE LEGALLY DISPOSED OF. THE GOVERNMENT WILL INDICATE WHICH ITEMS IF ANY ARE FOR HIS SALVAGE. REMOVE THESE ITEMS AND STOCKPILE ON SITE AS DIRECTED BY GOVERNMENT.
7. COORDINATE ALL COOLING/HEATING AIR, DOMESTIC HOT/COLD WATER, SHUTDOWNS WITH CONTRACTING OFFICER.

PLUMBING LEGEND

SYMBOL	DESCRIPTION
CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER
HWC	DOMESTIC HOT WATER CIRC.
SCW	SOFT COLD WATER
SS	SANITARY SEWER
AW	ACID WASTE
V	VENT
AV	ACID VENT
CO/WCO	CLEANOUT/ WALL CLEANOUT
FCO	FLOOR CLEANOUT
GCO	GRADE CLEANOUT
CD	CONDENSATE DRAIN
D	DRAIN
F	FIRE SERVICE WATER
FND	FOUNDATION DRAINAGE
RWL	RAIN WATER LEADER
OFL	OVERFLOW RAIN LEADER
CR	CONDENSATE RETURN
NG	NATURAL GAS
	TEE UP
	TEE DOWN
	ELBOW UP
	ELBOW DOWN
	PIPE CAP
	PIPE DRAIN & CAP
	CONNECT TO EXISTING
	DISCONNECT FROM EXISTING
	NEW PIPING
	EXISTING PIPING
	PIPING TO BE REMOVED

SYMBOL	DESCRIPTION
	VALVE IN RISER
S=.XXX	SLOPE DOWN IN DIRECTION OF FLOW
	SHUTOFF VALVE
	GATE VALVE
	BALL VALVE
	BUTTERFLY VALVE
G	GLOBE VALVE
	GAS SHUT-OFF COCK
	SWING CHECK VALVE
S	SPRING CHECK VALVE
	STRAINER
	WATER OUTLET (TYPE INDICATED)
	BACKFLOW PREVENTER (TYPE INDICATED)
	SLEEVE (PIPE) THRU WALL OR FLOOR
	FLEX CONNECTOR (TYPE INDICATED)
	HOSE END DRAIN VALVE
S	PRESSURE REDUCING VALVE
	TEMPERATURE & PRESSURE RELIEF VALVE
	AUTOMATIC AIR VENT
DE	DIELECTRIC UNION
	UNION
A	AUTOMATIC FLOW BALANCING VALVE
T	DIAL THERMOMETER
P	PRESSURE GAUGE - PROVIDE WITH PIGTAIL FOR STEAM
X	PIPE ANCHOR
S	SOLENOID VALVE
	L.P. VALVE
	ECCENTRIC PLUG BALANCING VALVE

ALWAYS THINK SAFETY

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR DEMOLITION DWV PLAN

Designed by: BASTOW
Drawn by: HAWKINS
Checked by: RANKIN
Approved by: RANKIN

Revisions:

#	Description	Date

Laura Rankin

Digitally signed by Laura Rankin
DN: cn=Laura Rankin, c=US
Reason: I am the author of this document
Location:
Contact Info: 208-577-5632
Date: 2025.12.03 09:26:13-07'00'

PROFESSIONAL ENGINEER REGISTERED 10658 STATE OF IDAHO LAURA L. G. RANKIN
12/03/2025

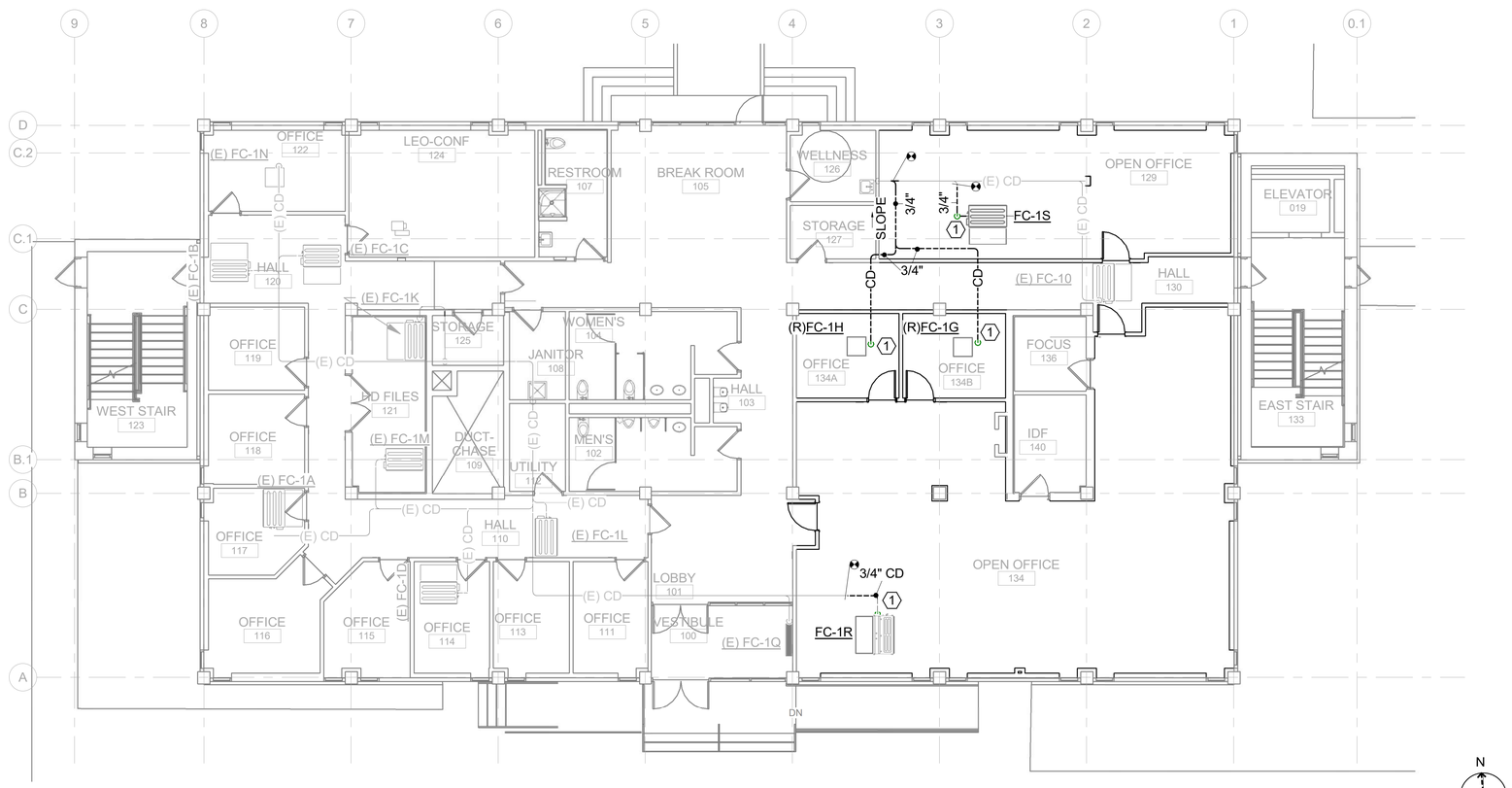
BLM Project # 140L0622D002

Project # 070117.028

Date: 12.2.2025

PD101

\\ysv219.ctagroup.net\userdata\annahawkins\Documents_RevitLocalTemp\LBYDBLM25_TO28_mep24_annahawkins.rvt
ISSUED FOR CONTRUCTION
12/2/2025 4:00:58 PM



A1 FIRST FLOOR DWV PLAN

Cushing Terrell.

cushingterrell.com
800.757.9522

SHEET KEYNOTES:

1. PROVIDE 3/4" PUMPED CONDENSATE DRAIN, DROP PIPE INTO TOP OF GRAVITY DRAIN CONDENSATE PIPING SYSTEM.

GENERAL PLUMBING NOTES:

1. COORDINATE PLUMBING FIXTURES AND RELATED PIPING WITH ALL OTHER TRADES AS REQUIRED.
2. CONTRACTOR TO PROTECT AND MAINTAIN EXISTING UTILITIES AS INDICATED. REFERENCE, PLUMBING, ELECTRICAL DRAWINGS. FIELD LOCATE UNDERGROUND LINES, MARK AND PROTECT AS NECESSARY. COORDINATE PROTECTION AND ANY AND ALL TEMPORARY DISRUPTIONS OF SERVICE WITH GOVERNMENT AS NECESSARY.
3. WASTE PIPING SMALLER THAN 4" IS TO BE SLOPED AT 1/4" PER FOOT. ALL WASTE PIPING 4" AND LARGER IS TO BE INSTALLED AT 1/8" SLOPE PER FOOT, UNLESS GREATER SLOPE IS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
4. ACCESS PANEL LOCATIONS MUST BE COORDINATED WITH EITHER GOVERNMENT OR GENERAL CONTRACTOR. COORDINATE REQUIREMENTS FOR ACCESS PANELS AND DOORS FOR MECHANICAL ITEMS REQUIRING ACCESS THAT ARE CONCEALED BEHIND FINISHED AREAS. PROVIDE A DRAWING WITH THE PROJECT SUBMITTALS SHOWING THE LOCATIONS AND SIZES OF PANELS.
5. COORDINATE WITH ALL OTHER TRADES INCLUDING MECHANICAL FOR EQUIPMENT, FIXTURES AND RELATED PIPING.
6. PIPE SIZES NOT SHOWN ON PLANS, REFER TO PLUMBING FIXTURE SCHEDULE FOR SIZES. 2" MINIMUM SIZE FOR SANITARY DRAIN, WASTE AND VENT IS TO BE RUN UNDER SLAB ON GRADE FLOOR.

ALWAYS THINK SAFETY

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR DWV PLAN

Designed by: BASTOW
Drawn by: HAWKINS
Checked by: RANKIN
Approved by: RANKIN

Revisions:

#	Description	Date

Laura Rankin
Digitally signed by Laura Rankin
Reason: I agree to the terms
Location: the place specified of my
Contact Info: 208-577-5610
Date: 2025.12.03 09:26:25-07'00'

PROFESSIONAL ENGINEER REGISTERED 10658 STATE OF IDAHO LAURA L. G. RANKIN
12/03/2025

BLM Project # 140L0622D002

Project # 070117.028

Date: 12.2.2025

P101

Sheet 51 of 67

ISSUED FOR CONTRUCTION

12/2/2025 4:00:48 PM \\ysv219.ctagroup.net\userdata\annahawkins\Documents_ReviitLocalTemp\LBYDBLM25_TO28_mep24_annahawkins.rvt

ELECTRICAL LEGENDS

SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS

LIGHTING

SYMBOL	DESCRIPTION
	LAY-IN OR RECESSED FIXTURE, SIZE ON PLANS
	WALL MOUNTED FIXTURE, SIZE ON PLANS
	SURFACE MOUNTED FIXTURE, SIZE ON PLANS
	PENDANT OR SURFACE MOUNTED FIXTURE, SIZE ON PLANS
	PENDANT MOUNTED FIXTURE, SIZE ON PLANS
	SHADED FIXTURE INDICATES FIXTURE IS UNSWITCHED AND ALSO INDICATES EMERGENCY POWER.
	RECESSED DOWNLIGHT FIXTURE
	SURFACE MOUNTED FIXTURE
	WALL MOUNTED FIXTURE
	WALL WASH OR DIRECTIONAL FIXTURE
	WALL SCONCE FIXTURE
	TRACK FIXTURE, SEE PLAN FOR SIZE AND HEADS
	CEILING FAN FIXTURE
	CEILING MOUNTED, WALL MOUNTED EXIT LIGHT (W/ DIRECTIONAL ARROWS)
	1 HEAD REMOTE EMERGENCY LIGHT
	2 HEAD EMERGENCY LIGHT BATTERY PACK
	1 HEAD REMOTE EMERGENCY LIGHT BATTERY PACK
	2 HEAD LIGHT WITH MOTION SENSOR
	SQUARE POLE MOUNTED FIXTURE, EXTERIOR
	ROUND POLE MOUNTED FIXTURE, EXTERIOR
	POST TOP FIXTURE, EXTERIOR
	BOLLARD FIXTURE, EXTERIOR
	DIRECTIONAL INGROUND FIXTURE, EXTERIOR

COMMUNICATIONS

SYMBOL	DESCRIPTION
	CATV JACK, WALL MOUNTED
CLG	CATV JACK CEILING MOUNTED
	MICROPHONE OUTLET
S	SPEAKER, SPEAKER WALL MOUNTED
C	CLOCK HANGER RECEPTACLE
	VOICE/DATA JACK
#	NUMERICAL SUBSCRIPT INDICATES NUMBER OF CABLES/JACKS, NO SUBSCRIPT ASSUMES TWO CABLES/JACKS
W	WALL MOUNT TELEPHONE READY JACK
WAP	WIRELESS ACCESS POINT
	VOICE/DATA JACK MOUNTED IN FLOORBOX
#	NUMERICAL SUBSCRIPT INDICATES NUMBER OF CABLES/JACKS, NO SUBSCRIPT INDICATES TWO CABLES/JACKS
	EXISTING VOICE/DATA JACK
	DATA RACK

SECURITY SYSTEM

SYMBOL	DESCRIPTION
PACS	PHYSICAL ACCESS CREDENTIALLING SYSTEM
1F	CARD READER, SINGLE FACTOR PACS
2F	CARD READER, DOUBLE FACTOR PACS, FICAM COMPLIANT
A	DOORBELL BUZZER
DC	DOOR CONTROLLER
DS	DOOR SWITCH CONTACT
B	DOORBELL PUSH BUTTON
PT	POWER TRANSFER SWITCH
MRX	MOTION SENSOR REQUEST TO EXIT
REX	MANUAL REQUEST TO EXIT
PS	POWER SUPPLY W/BATTERY, BY DIV 8, INSTALLED AND CONNECTED BY DIV 27
LX	CONNECTION TO REQUEST TO EXIT & LATCH BOLT MONITORING
PRX	CONNECTION TO PANIC REQUEST TO EXIT
ML	CONNECTION TO MAGNETIC DOOR LOCK
DPS	CONNECTION TO MAGNETIC DOOR POSITION SWITCH
EH	CONNECTION TO ELECTRIC HINGE
EL	CONNECTION TO ELECTRIC LATCH
AO	CONNECTION TO ELECTRIC AUTO OPENER
FA	CONNECTION TO FIRE ALARM CONTACT
1	INDICATES SECURITY DOOR 1
	PANEL
ACP	ACCESS CONTROL PANEL
ADC	ACCESS DOOR CONTROLLERS

ABBREVIATIONS AND MISCELLANEOUS

SYMBOL	DESCRIPTION
AC	ABOVE COUNTER, 4" BACK SPLASH
ATS	AUTOMATIC TRANSFER SWITCH
AFG	ABOVE FINISHED GRADE
AFF	ABOVE FINISHED FLOOR
BLG	BELOW GRADE
BOD	BOTTOM OF DEVICE
C	CONDUIT
CAS	CARD ACCESS SYSTEM
CCTV	CLOSED CIRCUIT TV
CLG	CEILING
COD	CENTER OF DEVICE
CU	COPPER
DVR	DIGITAL VIDEO RECORDER
(E)	EXISTING
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
GC	GENERAL CONTRACTOR
GND	GROUND
LSI	FIELD ADJUSTABLE LONG TIME, SHORT TIME AND INSTANTANEOUS
LSIG	FIELD ADJUSTABLE LONG TIME, SHORT TIME, INSTANTANEOUS AND GROUND FAULT
MC	MECHANICAL CONTRACTOR
(N)	NEW
NL	NIGHT LIGHT
PTZ	PAN-TILT-ZOOM
QTY	QUANTITY
(R)	RELOCATED
SF	SURFACE
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TC	TEMPERATURE CONTROL CONTRACTOR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
W/	WITH
WM	WIRE MOLD
WP	WEATHER PROOF (WHILE IN USE)
XFMR	TRANSFORMER
a,b,c etc	SWITCH DESIGNATION
BN1L-2,4,6	CIRCUIT DESIGNATION, PANEL BN1L, CIRCUITS 2,4,6
1/E501	INDICATES DETAIL 1 ON SHEET E501
#	SHEET WORK NOTE
#	SHEET DEMO WORK NOTE
	HOME RUN TO PANEL
	CONDUIT CONCEALED IN CEILING OR WALL
	CONDUIT CONCEALED UNDER FLOOR
LV	LOW VOLTAGE CIRCUIT
	FIBER OPTIC CABLE
	CABLE TRAY

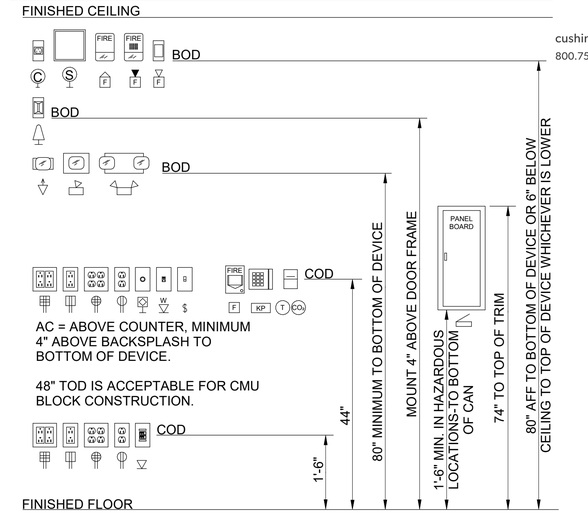
SURVEILLANCE SYSTEM

SYMBOL	DESCRIPTION
	CAMERA, CEILING AND WALL MOUNTED DOME, FIXED
	CAMERA, CEILING AND WALL MOUNTED DOME, PTZ
	CAMERA, CEILING MOUNTED, 360 DEGREE
	CAMERA
DVR	DIGITAL VIDEO RECORDER
SPS	SURVEILLANCE POWER SUPPLY
M	MONITOR

DEVICES AND POWER

SYMBOL	DESCRIPTION
$	SWITCH - SPST
2	SINGLE POLE, DOUBLE THROW
3	THREEWAY
4	FOURWAY
K	KEY OPERATED
P	PILOT LIGHT
WP	WEATHERPROOF
OS	OCCUPANCY SENSOR
D	DIMMER
MC	SPOT-MOMENTARY CONTACT
LV	LOW VOLTAGE
T	TIMER SWITCH
TS	TEST SWITCH
OS	OCCUPANCY SENSOR (CEILING) - SUBSCRIPT IS TYPE
	RECEPTACLE - SIMPLEX
CLG	RECEPTACLE - DUPLEX, MOUNTING IN CEILING
CLG	GFI RECEPTACLE - DUPLEX, MOUNTING IN CEILING
	RECEPTACLE - DUPLEX
	GFI RECEPTACLE - DUPLEX (GROUND FAULT INTERRUPT)
USB	DEVICE RECEPT W/2 USB PORTS
DC	DROP CORD
WP	WEATHERPROOF COVER & WEATHER RESISTANT RECEPTACLE
TR	TAMPER RESISTANT
S	SURGE PROTECTED
IG	ISOLATED GROUND
	FILLED CENTER INDICATES RED COLOR EMERGENCY RECEPTACLE
	RECEPTACLE - DOUBLE DUPLEX
	GFI RECEPTACLE - DOUBLE DUPLEX - SAME INDICATORS AS SHOWN FOR DUPLEX RECEPTACLE
	RECEPTACLE - 1/2 SWITCHED, 1/2 CONTINUOUS POWER
	RECEPTACLE - DOUBLE DUPLEX - 1/2 SWITCHED, 1/2 CONTINUOUS POWER
	RECEPTACLE - 208V
R	RANGE - NEMA 14-50R
D	DRYER - NEMA 14-30R
W	WELDER - NEMA 14-50R
*	NEMA CONFIGURATION AS NOTED
	208V RECEPTACLE IN RECESSED FLOORBOX
	DUPLEX RECEPTACLE/GFI IN RECESSED FLOORBOX
	DOUBLE DUPLEX RECEPTACLE/GFI IN RECESSED FLOORBOX
J	J-BOX - BOX INDICATES FLOOR MOUNTING -4"X4"X2-1/8" DEEP UNLESS OTHERWISE NOTED
P	POWER POLE
T	THERMOSTAT/TEMPERATURE SENSOR BY MC OR TC, J-BOX AND CONDUIT TO CEILING BY EC
CO	CARBON MONOXIDE DETECTOR BY MC, J-BOX & CONDUIT TO CEILING BY EC
$M	MANUAL MOTOR DISCONNECT/STARTER SWITCH
	EMERGENCY PUSHBUTTON
R	RELAY
PC	PHOTOCELL, PHOTOCELL WALL MOUNTED
	SPECIAL PURPOSE CONNECTION - BOX INDICATES FLOOR MOUNTING - WORK AS NOTED
	ELECTRIC MOTOR CONNECTION
	COMBINATION STARTER/DISCONNECT SWITCH
	DISCONNECT SWITCH
	CONTACTOR
	CIRCUIT BREAKER
VFD	VARIABLE FREQUENCY DRIVE
	CONTROL PANEL
LRP	LIGHTING RELAY PANEL
TCP	TEMPERATURE CONTROL PANEL
GAP	GENERATOR ANNUNCIATOR PANEL
PACP	PA CONTROL PANEL
MGA	MED GAS ALARM PANEL
TC	TIME CLOCK
	EXISTING PANELBOARD, SURFACE MOUNTED
	EXISTING PANELBOARD, FLUSH MOUNTED
	PANELBOARD, SURFACE MOUNTED
	PANELBOARD, FLUSH MOUNTED
	ELECTRIC METER, BUILDING MOUNTED
XFMR	TRANSFORMER, INTERIOR
	TRANSFORMER, EXTERIOR

INTERIOR BOX MOUNTING HEIGHTS



ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: ELECTRICAL LEGENDS

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

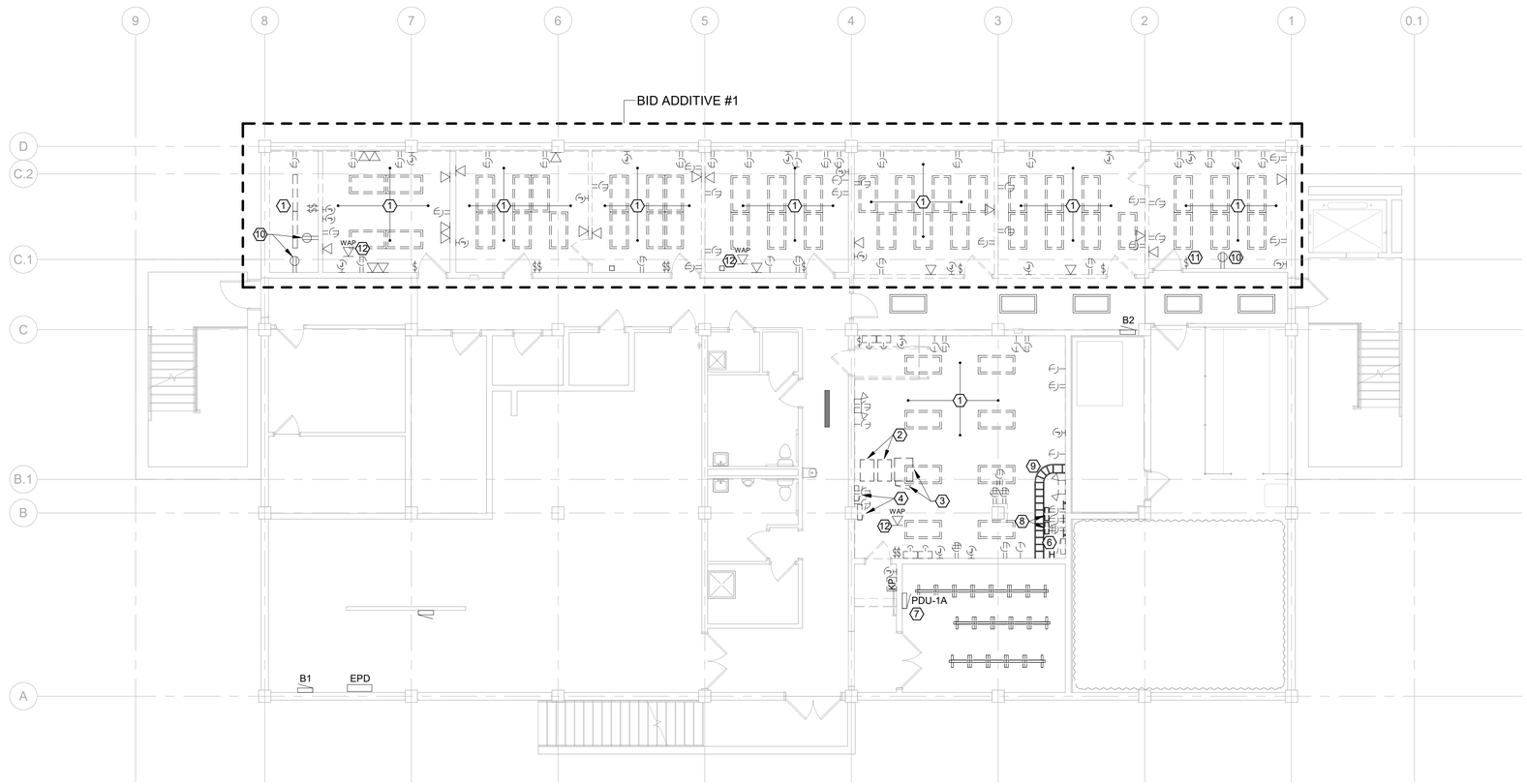
#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER REGISTERED 14056 STATE OF IDAHO TYLER B. VICTORINO 12.2.2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

E-001

12/2/2025 3:39:14 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\daveb\Documents_Revit\LocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt



B1 BASEMENT ELECTRICAL DEMOLITION PLAN

N

0 4' 8' 16'

Cushing Terrell.

cushingterrell.com
800.757.9522

GENERAL NOTES - DEMOLITION

A. DISCONNECT ALL ELECTRICAL ITEMS WHICH ARE TO BE REMOVED AND/OR RELOCATED WHILE MAINTAINING CONTINUITY OF REMAINING CIRCUITRY.
B. PROVIDE NEW CONDUCTORS, RACEWAYS, ETC., AS REQUIRED TO MAINTAIN OPERATION OF EXISTING OUTLETS, EQUIPMENT, ETC. WHICH REMAIN OR ARE RELOCATED.
C. NO EXISTING WIRING MAY BE REUSED IN THE NEW ELECTRICAL WORK UNLESS OTHERWISE NOTED.
D. ALL EXISTING CIRCUITS, CONDUIT AND WIRE THAT ARE NOT IN USE AFTER DEMOLITION IS COMPLETED SHALL BE REMOVED.
E. EXISTING CONDUITS IN THE FLOOR WHICH ARE NOT USED AND WHICH ARE ABANDONED SHALL BE TRIMMED TO FLOOR SURFACE, GROUND FLUSH AND FILLED WITH GROUT. FINISH FLOOR TO MATCH EXISTING.
F. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NEC, STATE AND LOCAL BUILDING CODE.
G. ALL DASHED ITEMS ON DEMOLITION PLANS ARE TO BE REMOVED OR RELOCATED UNLESS NOTED OTHERWISE. SOLID ITEMS ARE TO REMAIN AS NOTED. NOTE - ITEMS SHOWN IN THE DEMOLITION PLANS ARE BASED ON FIELD OBSERVATIONS AND RECORD DRAWINGS. ADDITIONAL ELECTRICAL ITEMS MAY BE ENCOUNTERED THAT ARE NOT SHOWN - ALL GENERAL ELECTRICAL ITEMS ARE TO BE REMOVED THAT ARE NOT SHOWN, BUT ARE IN AREAS OF COMPLETE REMODEL.

KEYNOTES

1. REMOVE ALL LIGHT FIXTURES, SWITCHES, RECEPTACLES AND DATA DEVICES IN THIS ROOM. REMOVE CIRCUITING BACK TO SOURCE OR NEAREST JUNCTION BOX OUTSIDE OF ROOM. MAINTAIN CIRCUIT INTEGRITY IF CONTINUED OUTSIDE OF THIS ROOM. REMOVE ALL DATA CABLING, USED OR ABANDONED, BACK TO SOURCE.
2. EXISTING UPS EQUIPMENT TO BE REMOVED. ALL CONDUIT AND CONDUCTORS TO BE REMOVED BACK TO SOURCE.
3. EXISTING UPS PDU TO BE REMOVED. ALL CONDUIT AND CONDUCTORS TO BE REMOVED BACK TO SOURCE.
4. EXISTING UPS PANELS TO BE REMOVED. ALL CONDUIT AND CONDUCTORS TO BE REMOVED BACK TO SOURCE.
5. NOTE NOT USED.
6. EXISTING PANEL 'H' TO BE REMOVED. ALL CONDUIT AND CONDUCTORS TO BE REMOVED BACK TO SOURCE.
7. EXISTING PANEL PDU-1A TO BE RE-FED FROM EXISTING DISTRIBUTION PANEL 'EPD' PRIOR TO DISCONNECTION FROM UPS PDU PANEL. COORDINATE WITH GOVERNMENT TO MINIMIZE DOWNTIME.
8. EXISTING ACCESS CONTROL EQUIPMENT TO BE REMOVED AND SALVAGE TO GOVERNMENT.
9. EXISTING CABLE TRAY ABOVE CEILING TO REMAIN.
10. EXISTING RECEPTACLE TO REMAIN.
11. EXISTING SWITCH TO BE REMOVED. CONDUIT AND JUNCTION BOX TO REMAIN FOR NEW LIGHTING CONTROL DEVICE.
12. EXISTING WIRELESS ACCESS POINT TO REMAIN. PROTECT DURING CONSTRUCTION.

ALWAYS THINK SAFETY

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title:
BASEMENT ELECTRICAL DEMOLITION PLAN

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER
REGISTERED
14056
STATE OF IDAHO
TYLER B. VICTORINO
12.2.2025

BLM Project # 140L0622D002

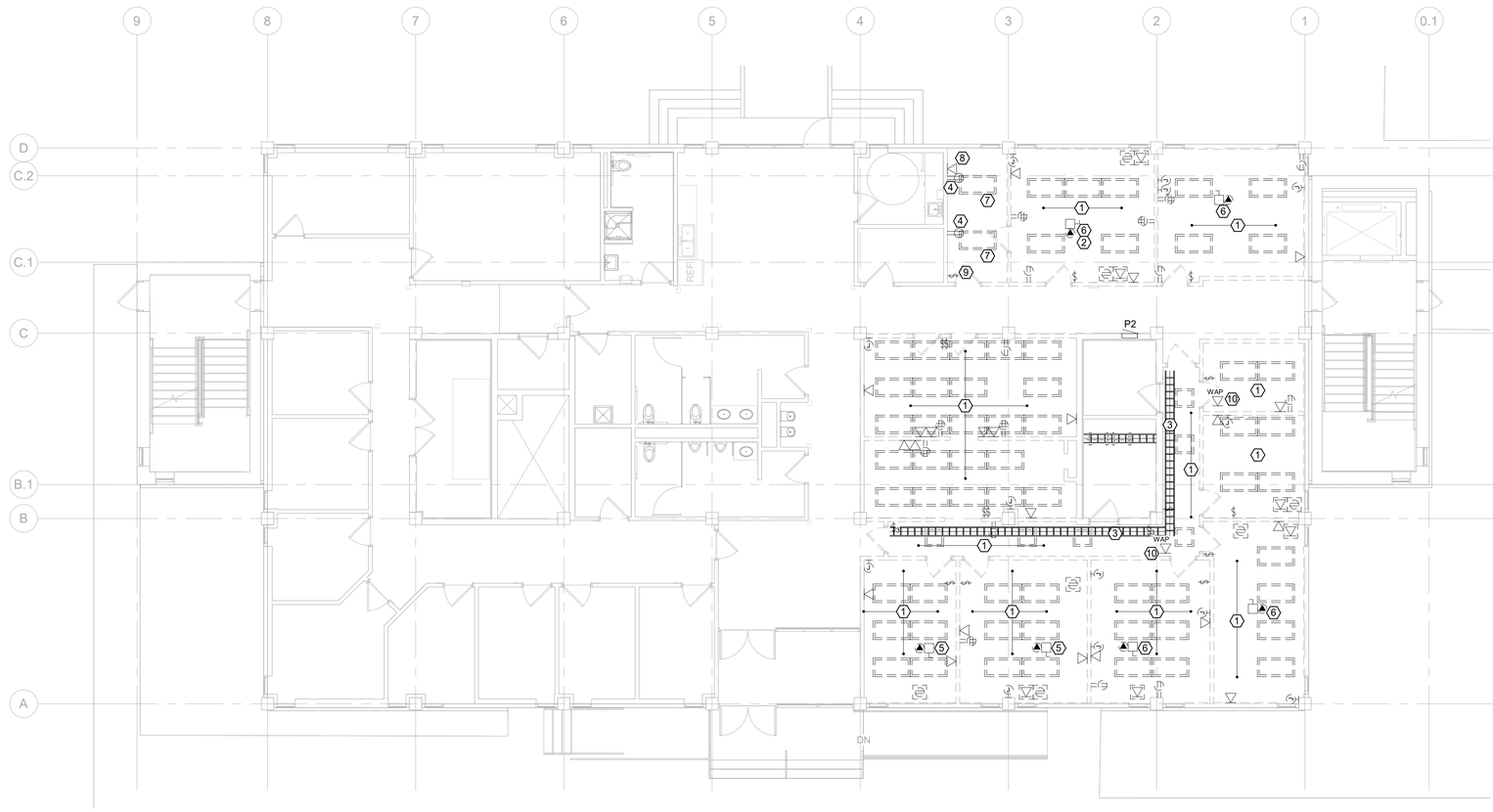
Project # 070117.028

Date: 12.2.2025

ED100

Sheet 53 of 67

\\ysv219.ctagroup.net\userdata\daveb\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt
ISSUED FOR CONSTRUCTION
12/2/2025 3:39:16 PM



B1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN

N

0 4' 8' 16'

GENERAL NOTES - DEMOLITION

A. DISCONNECT ALL ELECTRICAL ITEMS WHICH ARE TO BE REMOVED AND/OR RELOCATED WHILE MAINTAINING CONTINUITY OF REMAINING CIRCUITRY.
B. PROVIDE NEW CONDUCTORS, RACEWAYS, ETC., AS REQUIRED TO MAINTAIN OPERATION OF EXISTING OUTLETS, EQUIPMENT, ETC. WHICH REMAIN OR ARE RELOCATED.
C. NO EXISTING WIRING MAY BE REUSED IN THE NEW ELECTRICAL WORK UNLESS OTHERWISE NOTED.
D. ALL EXISTING CIRCUITS, CONDUIT AND WIRE THAT ARE NOT IN USE AFTER DEMOLITION IS COMPLETED SHALL BE REMOVED.
E. EXISTING CONDUITS IN THE FLOOR WHICH ARE NOT USED AND WHICH ARE ABANDONED SHALL BE TRIMMED TO FLOOR SURFACE, GROUND FLUSH AND FILLED WITH GROUT. FINISH FLOOR TO MATCH EXISTING.
F. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NEC, STATE AND LOCAL BUILDING CODE.
G. ALL DASHED ITEMS ON DEMOLITION PLANS ARE TO BE REMOVED OR RELOCATED UNLESS NOTED OTHERWISE. SOLID ITEMS ARE TO REMAIN AS NOTED. NOTE - ITEMS SHOWN IN THE DEMOLITION PLANS ARE BASED ON FIELD OBSERVATIONS AND RECORD DRAWINGS. ADDITIONAL ELECTRICAL ITEMS MAY BE ENCOUNTERED THAT ARE NOT SHOWN - ALL GENERAL ELECTRICAL ITEMS ARE TO BE REMOVED THAT ARE NOT SHOWN, BUT ARE IN AREAS OF COMPLETE REMODEL.

KEYNOTES

1. REMOVE ALL LIGHT FIXTURES, SWITCHES, RECEPTACLES AND DATA DEVICES IN THIS ROOM. REMOVE CIRCUITING BACK TO SOURCE OR NEAREST JUNCTION BOX OUTSIDE OF ROOM. MAINTAIN CIRCUIT INTEGRITY IF CONTINUED OUTSIDE OF THIS ROOM. REMOVE ALL DATA CABLING, USED OR ABANDONED, BACK TO SOURCE.
2. CIRCUITING TO REMAIN FOR CONNECTION TO NEW MECHANICAL UNIT.
3. EXISTING CABLE TRAY AND CABLING TO REMAIN.
4. EXISTING RECEPTACLE TO REMAIN.
5. MECHANICAL FAN COIL UNIT TO BE RELOCATED. EXISTING CIRCUITING TO BE RELOCATED TO NEW LOCATION.
6. REMOVE ELECTRICAL CONNECTION TO MECHANICAL FAN COIL UNIT.
7. EXISTING LIGHT FIXTURE TO BE REMOVED AND SALVAGED TO GOVERNMENT.
8. EXISTING DATA DEVICE TO REMAIN.
9. EXISTING LIGHTING CONTROL DEVICE TO BE REMOVED AND SALVAGED TO GOVERNMENT. PROVIDE BLANK COVER PLATE.
10. EXISTING WIRELESS ACCESS POINT TO REMAIN. PROTECT DURING CONSTRUCTION.

ALWAYS THINK SAFETY

Cushing Terrell
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR ELECTRICAL DEMOLITION PLAN

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

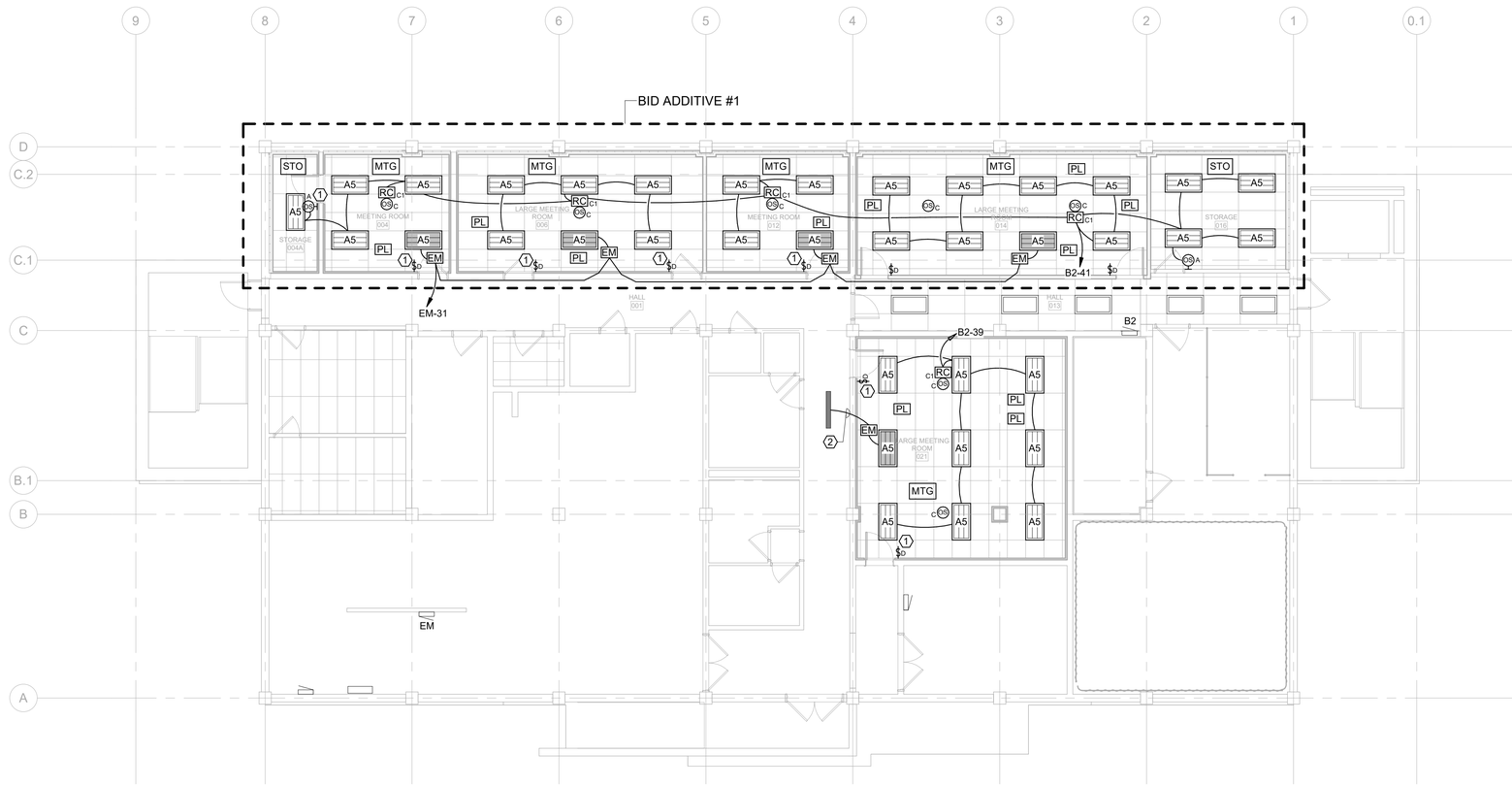
#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER REGISTERED 14056 STATE OF IDAHO TYLER B. VICTORINO
12.2.2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

ED101

12/2/2025 3:39:17 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\daveb\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt



B1 BASEMENT LIGHTING PLAN

0 4' 8' 16'

N

Cushing Terrell.

cushingterrell.com
800.757.9522

GENERAL NOTES - LIGHTING

A. COMPLY WITH LATEST ADOPTED NEC AND APPLICABLE CODES/STANDARDS.
B. SHARED NEUTRALS ARE NOT ALLOWED FOR SINGLE PHASE BRANCH CIRCUITS.
C. LABEL ALL COVER PLATES WITH PANEL AND CIRCUIT NUMBER ON FACE OF PLATE, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
D. COORDINATE WALL MOUNTED DEVICE AND FIXTURE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
E. SEAL ALL PENETRATIONS OF RATED WALLS PER SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR WALL RATINGS.
F. REFER TO GENERAL LIGHTING WIRING DIAGRAM (C1/E-500), LIGHTING CONTROLS MANUFACTURER'S WIRING DIAGRAMS AND INSTALLATION DRAWINGS.

KEYNOTES

1. PROVIDE SHALLOW DEPTH (1-1/2" DEEP) JUNCTION BOX.
2. CONNECT TO EXISTING EMERGENCY LIGHTING CIRCUIT.

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title:
BASEMENT LIGHTING PLAN

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER
REGISTERED
14056
STATE OF IDAHO
TYLER B. VICTORINO
12.2.2025

BLM Project # 140L0622D002

Project # 070117.028

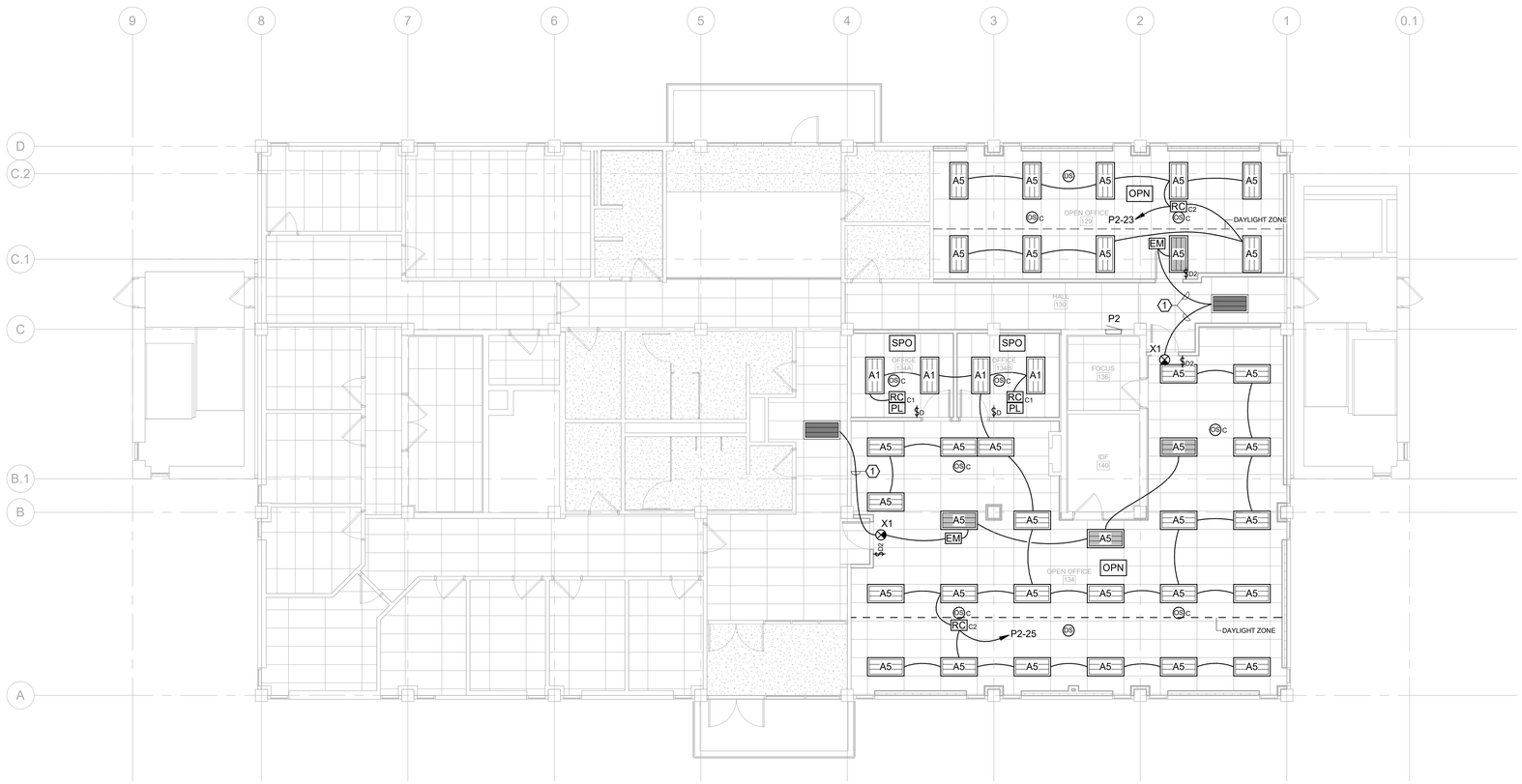
Date: 12.2.2025

EL100

Sheet 55 of 67

ALWAYS THINK SAFETY

12/2/2025 3:39:19 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\daveb\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt



B1 FIRST FLOOR LIGHTING PLAN

N

0 4' 8' 16'

GENERAL NOTES - LIGHTING

A. COMPLY WITH LATEST ADOPTED NEC AND APPLICABLE CODES/STANDARDS.
B. SHARED NEUTRALS ARE NOT ALLOWED FOR SINGLE PHASE BRANCH CIRCUITS.
C. LABEL ALL COVER PLATES WITH PANEL AND CIRCUIT NUMBER ON FACE OF PLATE, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
D. COORDINATE WALL MOUNTED DEVICE AND FIXTURE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
E. SEAL ALL PENETRATIONS OF RATED WALLS PER SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR WALL RATINGS.
F. REFER TO GENERAL LIGHTING WIRING DIAGRAM (C1/E-500), LIGHTING CONTROLS MANUFACTURER'S WIRING DIAGRAMS AND INSTALLATION DRAWINGS.

KEYNOTES

1. CONNECT NEW LIGHT FIXTURE(S) TO EXISTING EMERGENCY LIGHTING CIRCUIT.

ALWAYS THINK SAFETY

Cushing Terrell
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR LIGHTING PLAN

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

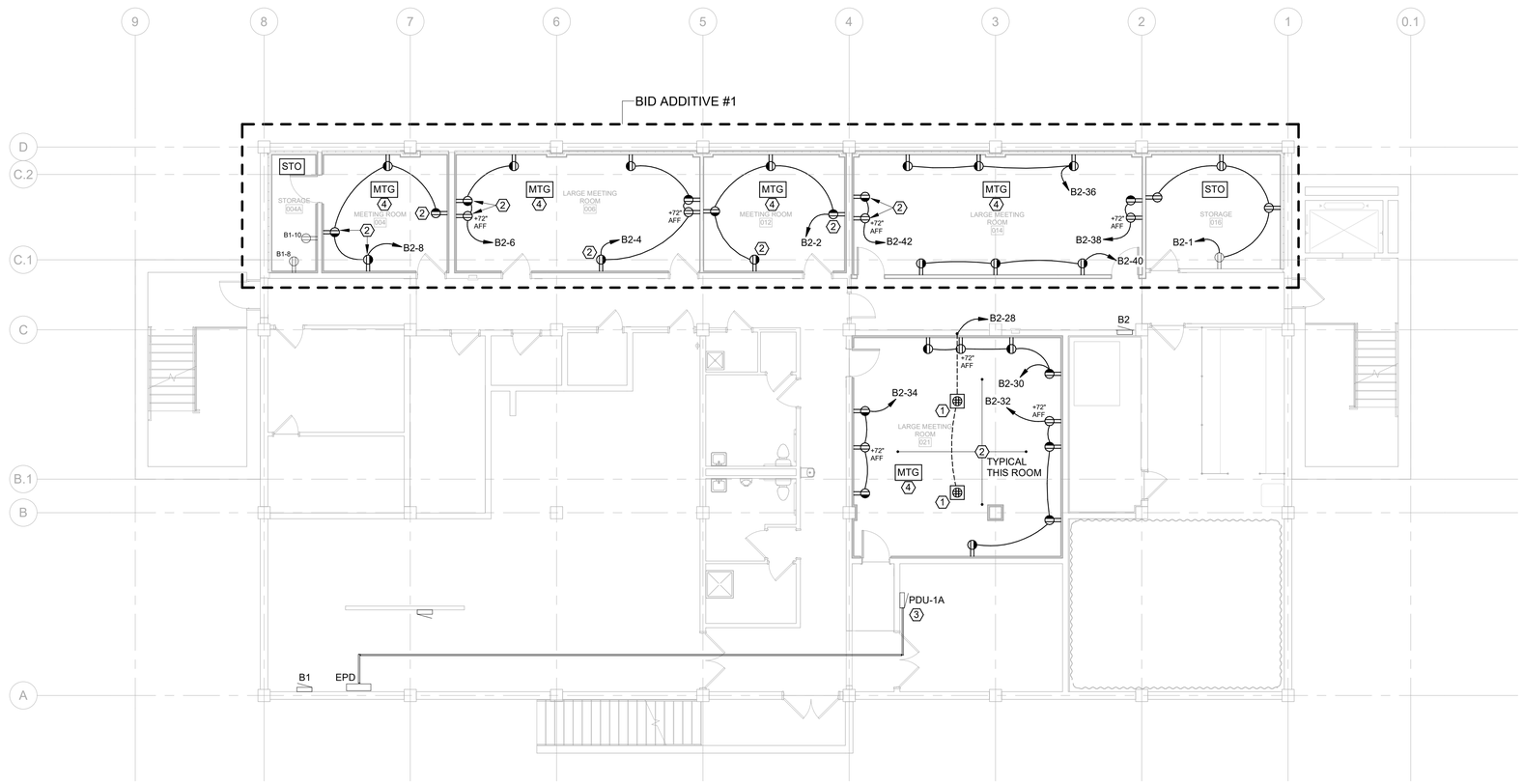
#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER REGISTERED 14056 STATE OF IDAHO TYLER B. VICTORINO
12.2.2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

EL101

12/2/2025 3:39:20 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\daveb\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt



B1 BASEMENT POWER PLAN

N

0 4' 8' 16'

GENERAL NOTES - POWER

A. COMPLY WITH LATEST ADOPTED NEC AND APPLICABLE CODES/STANDARDS.
B. SHARED NEUTRALS ARE NOT ALLOWED FOR SINGLE PHASE BRANCH CIRCUITS.
C. LABEL ALL COVER PLATES WITH PANEL AND CIRCUIT NUMBER ON FACE OF PLATE, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
D. COORDINATE WALL MOUNTED DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
E. SEAL ALL PENETRATIONS OF RATED WALLS PER SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR WALL RATINGS.
F. THERMOSTATS, PROVIDED AND INSTALLED BY MECHANICAL. ELECTRICAL TO PROVIDE J-BOX AT +44" AND 1/2" CONDUIT TO ACCESSIBLE CEILING SPACE OR STRUCTURE FOR DEVICE WIRING. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.

KEYNOTES

1. FLOOR BOX, WIREMOLD RFB SERIES OR EQUAL.
2. PROVIDE SHALLOW DEPTH (1-1/2" DEEP) JUNCTION BOX.
3. EXISTING PANEL PDU-1A TO BE RE-FED FROM EXISTING DISTRIBUTION PANEL 'EPD' PRIOR TO DISCONNECTION FROM UPS PDU PANEL. COORDINATE WITH GOVERNMENT TO MINIMIZE DOWNTIME.
4. ALL RECEPTACLES IN THIS ROOM SHALL BE CONNECTED TO AN UNSWITCHED HOT AND A SWITCHED HOT FOR RECEPTACLE SPLIT-CIRCUIT WIRING. REFER TO "ENERGY CODE LIGHT AND RECEPTACLE CONTROL SEQUENCE OF OPERATIONS" ON SHEET E-603 FOR CONTROL DESCRIPTION. PROVIDE A PERMANENT AND DURABLE MARKING FOR CONTROLLED RECEPTACLE AS REQUIRED BY ASHRAE 90.1 SECTION 8.4.2. CONNECT RECEPTACLES TO PLUG LOAD ROOM CONTROLLER PER MANUFACTURERS WIRING DIAGRAMS.

ALWAYS THINK SAFETY

Cushing Terrell
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title: BASEMENT POWER PLAN

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

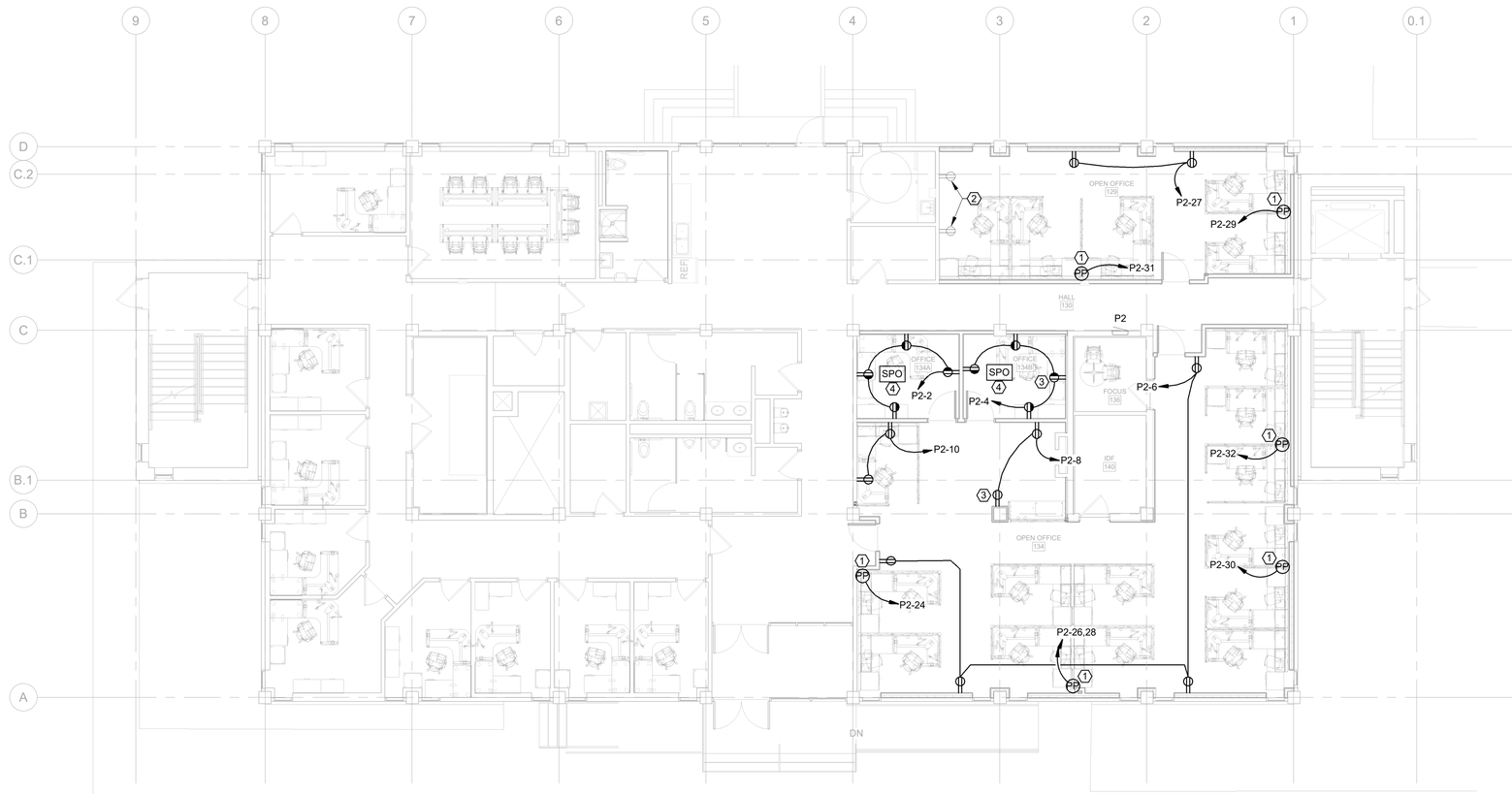
#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER REGISTERED 14056 STATE OF IDAHO TYLER B. VICTORINO
12.2.2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

EP100

12/2/2025 3:39:21 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\davebi\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt



B1 FIRST FLOOR POWER PLAN

N

0 4' 8' 16'

GENERAL NOTES - POWER

A. COMPLY WITH LATEST ADOPTED NEC AND APPLICABLE CODES/STANDARDS.
B. SHARED NEUTRALS ARE NOT ALLOWED FOR SINGLE PHASE BRANCH CIRCUITS.
C. LABEL ALL COVER PLATES WITH PANEL AND CIRCUIT NUMBER ON FACE OF PLATE, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
D. COORDINATE WALL MOUNTED DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
E. SEAL ALL PENETRATIONS OF RATED WALLS PER SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR WALL RATINGS.
F. THERMOSTATS, PROVIDED AND INSTALLED BY MECHANICAL. ELECTRICAL TO PROVIDE J-BOX AT +44" AND 1/2" CONDUIT TO ACCESSIBLE CEILING SPACE OR STRUCTURE FOR DEVICE WIRING. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.

KEYNOTES

1. FURNITURE POWER POLE, FURNISHED AND INSTALLED BY FURNITURE SUPPLIER, CONNECTIONS BY ELECTRICAL. COORDINATE WITH FURNITURE INSTALLER PRIOR TO ROUGH-IN.
2. EXISTING RECEPTACLE TO REMAIN.
3. PROVIDE SHALLOW DEPTH (1-1/2" DEEP) JUNCTION BOX.
4. ALL RECEPTACLES IN THIS ROOM SHALL BE CONNECTED TO AN UNSWITCHED HOT AND A SWITCHED HOT FOR RECEPTACLE SPLIT-CIRCUIT WIRING. REFER TO "ENERGY CODE LIGHT AND RECEPTACLE CONTROL SEQUENCE OF OPERATIONS" ON SHEET E-603 FOR CONTROL DESCRIPTION. PROVIDE A PERMANENT AND DURABLE MARKING FOR CONTROLLED RECEPTACLE AS REQUIRED BY ASHRAE 90.1 SECTION 8.4.2. CONNECT RECEPTACLES TO PLUG LOAD ROOM CONTROLLER PER MANUFACTURERS WIRING DIAGRAMS.

ALWAYS THINK SAFETY

Cushing Terrell
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR POWER PLAN

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

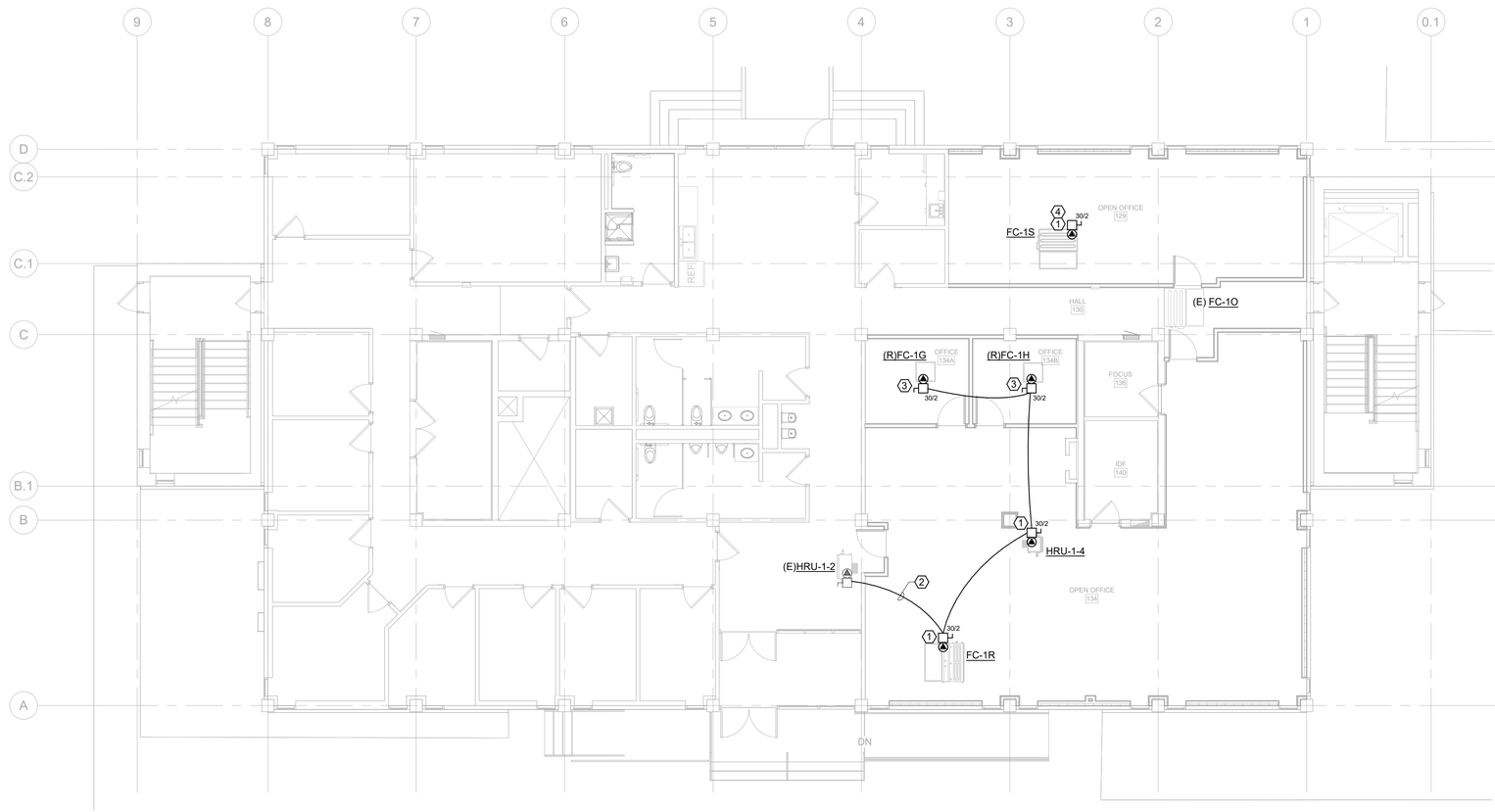
#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER REGISTERED 14056 STATE OF IDAHO TYLER B. VICTORINO
12.2.2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

EP101

12/2/2025 3:42:35 PM ISSUED FOR CONSTRUCTION \\sv219.ctagroup.net\userdata\daveb\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt



B1 FIRST FLOOR MECHANICAL POWER PLAN

N

0 4' 8' 16'

GENERAL NOTES - POWER

A. COMPLY WITH LATEST ADOPTED NEC AND APPLICABLE CODES/STANDARDS.
B. SHARED NEUTRALS ARE NOT ALLOWED FOR SINGLE PHASE BRANCH CIRCUITS.
C. LABEL ALL COVER PLATES WITH PANEL AND CIRCUIT NUMBER ON FACE OF PLATE, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
D. COORDINATE WALL MOUNTED DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
E. SEAL ALL PENETRATIONS OF RATED WALLS PER SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR WALL RATINGS.
F. THERMOSTATS, PROVIDED AND INSTALLED BY MECHANICAL. ELECTRICAL TO PROVIDE J-BOX AT +44" AND 1/2" CONDUIT TO ACCESSIBLE CEILING SPACE OR STRUCTURE FOR DEVICE WIRING. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.

KEYNOTES

1. PROVIDE DISCONNECT SWITCH FOR UNIT SHUTDOWN. WIRE UNIT, SUCH THAT IT IS ISOLATED FROM OTHER UNITS. COORDINATE LOCATION OF DISCONNECT WITH UNIT, PIPING AND DUCTWORK.
2. EXTEND EXISTING CIRCUIT TO NEW AND RELOCATED MECHANICAL FAN COIL UNITS.
3. RELOCATED MECHANICAL FAN COIL UNIT. EXISTING CIRCUITING TO BE RELOCATED/EXTENDED TO NEW LOCATION.
4. NEW MECHANICAL FAN COIL UNIT TO REPLACE EXISTING. RECONNECT TO EXISTING CIRCUIT.

Cushing Terrell
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title:
FIRST FLOOR MECHANICAL POWER PLAN

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER
REGISTERED
14056
STATE OF IDAHO
TYLER B. VICTORINO
12.2.2025

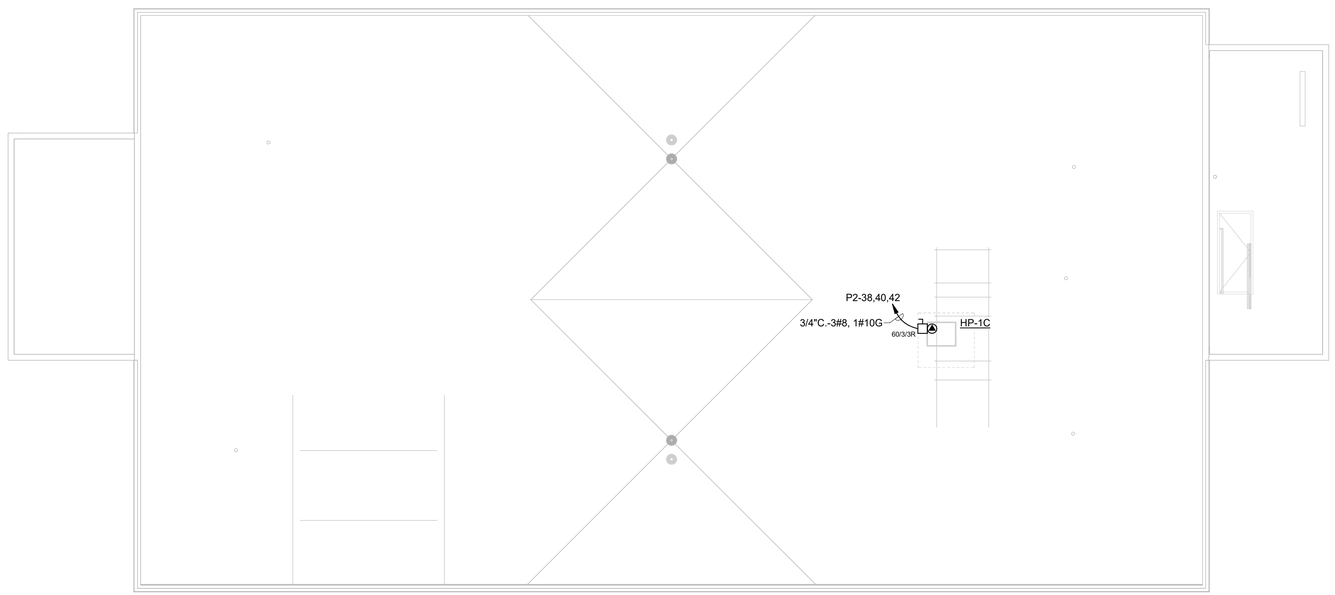
BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

EP111

Sheet 59 of 67

ALWAYS THINK SAFETY

12/2/2025 3:39:25 PM ISSUED FOR CONSTRUCTION \\sv219.ctagroup.net\userdata\davebi\Documents_Revit\LocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt



B1 ROOF POWER PLAN

N

0 4' 8' 16'

GENERAL NOTES - ROOF POWER

A. COMPLY WITH LATEST ADOPTED NEC AND APPLICABLE CODES/STANDARDS.
B. SHARED NEUTRALS ARE NOT ALLOWED FOR SINGLE PHASE BRANCH CIRCUITS.
C. LABEL ALL COVER PLATES WITH PANEL AND CIRCUIT NUMBER ON FACE OF PLATE, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
D. COORDINATE WALL MOUNTED DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
E. SEAL ALL PENETRATIONS OF RATED WALLS PER SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR WALL RATINGS.
F. APPLY WATERPROOF SEALANT TO ALL BOXES, STRAPS, HANGERS, ETC. PRIOR TO FASTENING TO ROOF MEMBRANE. COORDINATE SEALANT WITH ROOFING CONTRACTOR PRIOR TO INSTALLATION.

ALWAYS THINK SAFETY

Cushing Terrell
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: ROOF POWER PLAN

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: Approver

Revisions:

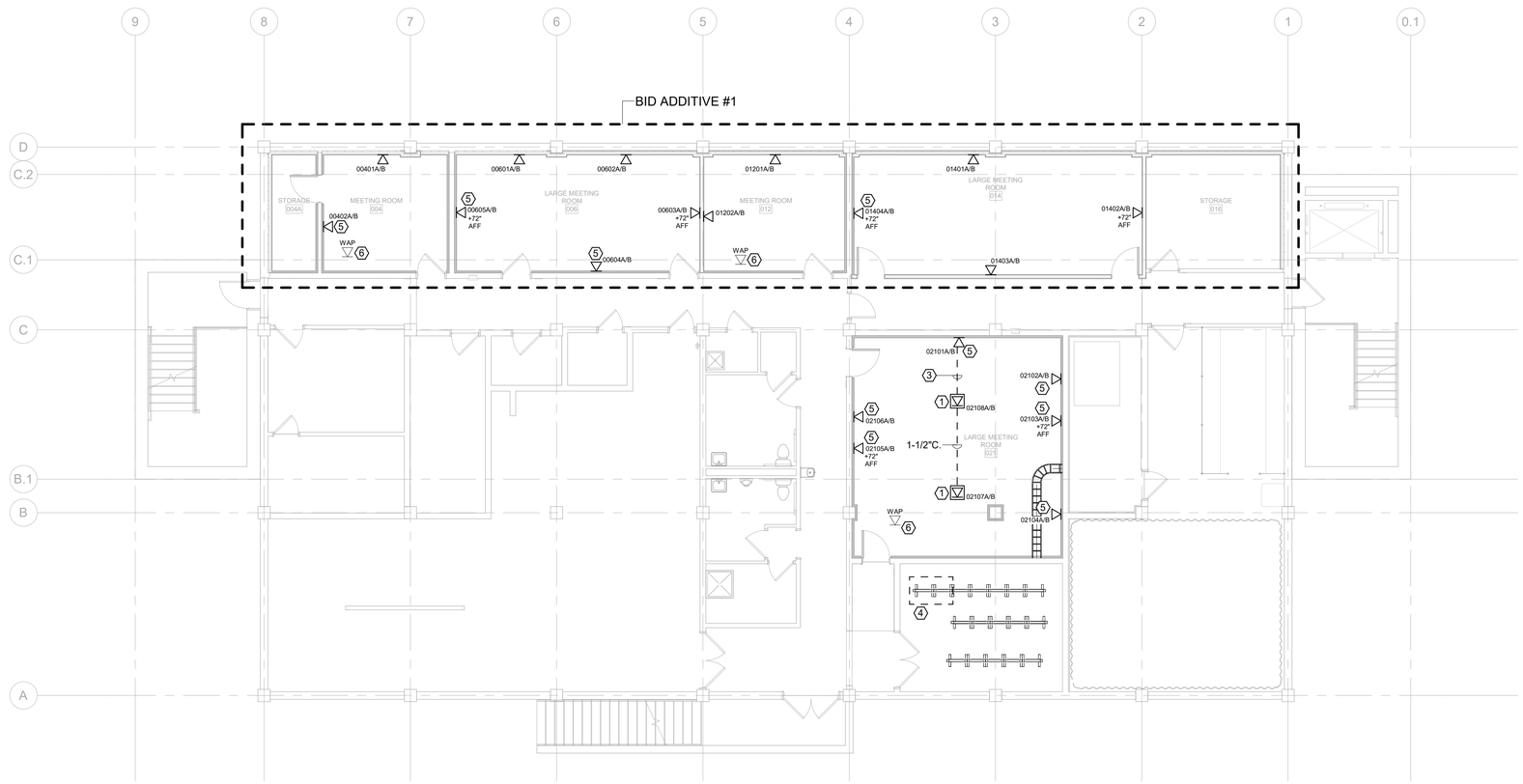
#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER
REGISTERED
14056
STATE OF IDAHO
TYLER B. VICTORINO
12.2.2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

EP112

12/2/2025 3:39:26 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\daveb\Documents_Revit\LocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt



B1 BASEMENT TELECOM PLAN

N

0 4' 8' 16'

Cushing Terrell.

cushingterrell.com
800.757.9522

GENERAL NOTES - TELECOM

A. COMPLY WITH LATEST ADOPTED NEC, NFPA 72 AND LATEST ADOPTED IBC/IFC.
B. LABEL ALL COVER PLATES WITH PATCH PANEL IDENTIFICATION NUMBER ON FACE OF PLATE, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C. COORDINATE WALL MOUNTED DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
D. SEAL ALL PENETRATIONS OF RATED WALLS PER SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR WALL RATINGS.
E. ALL DATA DEVICES SHALL HAVE A 4"SQ., 2-1/8" DEEP BOX, 1-GANG MUDRING WITH 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING SPACE, UNLESS NOTED OTHERWISE. ALL CONDUITS SHALL HAVE INSULATED THROAT BUSHINGS.
F. PROVIDE PULLCORDS IN ALL DATA/TELEPHONE CONDUITS.
G. ALL DATA CABLES, DEVICES AND COVER PLATES TO BE FURNISHED AND INSTALLED BY CONTRACTOR.
H. ALL DATA DEVICES TO HAVE 2 CAT 6A CABLES/JACKS PER DEVICE UNLESS NOTED OTHERWISE.
I. ROUTE ALL DATA CABLES TO NEAREST CABLE TRAY UNLESS NOTED OTHERWISE.
J. ALL DATA CABLES AND FIBER OPTIC CABLES TO BE LABELED AT BOTH ENDS.
K. COORDINATE CABLE TRAY LOCATION AND MOUNTING HEIGHTS WITH MECHANICAL DUCTWORK AND PIPING PRIOR TO ROUGH-IN.

KEYNOTES

1. FLOOR BOX, SEE EP100 FOR ADDITIONAL INFORMATION.
2. NOTE NOTE USED.
3. 1-1/2"C. FROM FLOOR BOX TO ABOVE ACCESSIBLE CEILING SPACE.
4. LOCATION OF EXISTING PATCH PANELS. PROVIDE ADDITIONAL PATCH PANEL FOR NEW CABLING.
5. PROVIDE SHALLOW DEPTH (1-1/2" DEEP) JUNCTION BOX.
6. EXISTING WIRELESS ACCESS POINT.

ALWAYS THINK SAFETY

NATIONAL SYSTEM OF PUBLIC LANDS · U.S. DEPARTMENT OF THE INTERIOR · BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: BASEMENT TELECOM PLAN

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

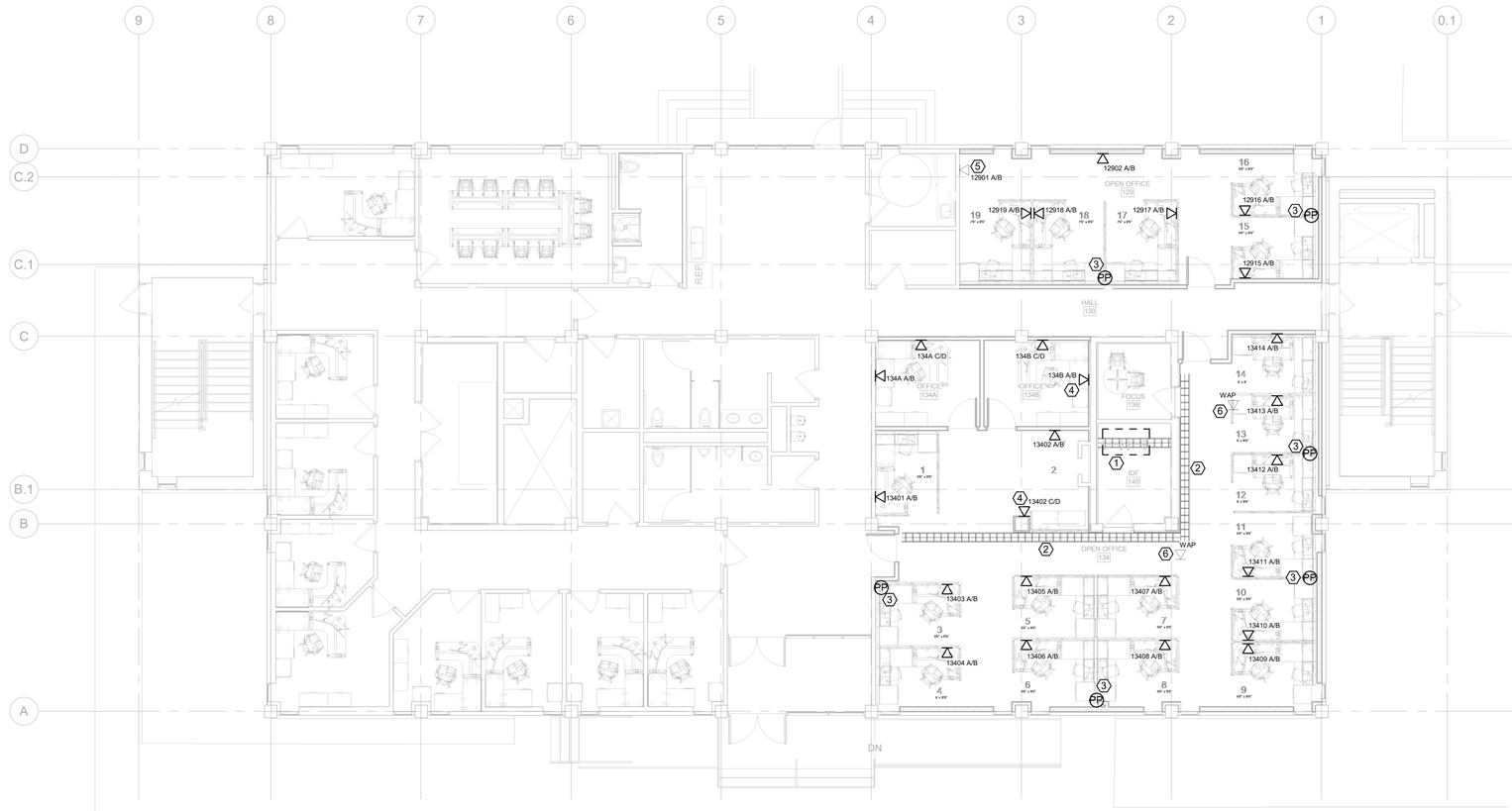
PROFESSIONAL ENGINEER · REGISTERED · 14056 · STATE OF IDAHO · TYLER B. VICTORINO
12.2.2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

ET100

Sheet 61 of 67

12/2/2025 3:39:27 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\daveb\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt



B1 FIRST FLOOR TELECOM PLAN

N

0 4' 8' 16'

Cushing Terrell.

cushingterrell.com
800.757.9522

GENERAL NOTES - TELECOM

A. COMPLY WITH LATEST ADOPTED NEC, NFPA 72 AND LATEST ADOPTED IBC/IFC.
B. LABEL ALL COVER PLATES WITH PATCH PANEL IDENTIFICATION NUMBER ON FACE OF PLATE, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C. COORDINATE WALL MOUNTED DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
D. SEAL ALL PENETRATIONS OF RATED WALLS PER SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR WALL RATINGS.
E. ALL DATA DEVICES SHALL HAVE A 4"SQ., 2-1/8" DEEP BOX, 1-GANG MUDRING WITH 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING SPACE, UNLESS NOTED OTHERWISE. ALL CONDUITS SHALL HAVE INSULATED THROAT BUSHINGS.
F. PROVIDE PULLCORDS IN ALL DATA/TELEPHONE CONDUITS.
G. ALL DATA CABLES, DEVICES AND COVER PLATES TO BE FURNISHED AND INSTALLED BY CONTRACTOR.
H. ALL DATA DEVICES TO HAVE 2 CAT 6A CABLES/JACKS PER DEVICE UNLESS NOTED OTHERWISE.
I. ROUTE ALL DATA CABLES TO NEAREST CABLE TRAY UNLESS NOTED OTHERWISE.
J. ALL DATA CABLES AND FIBER OPTIC CABLES TO BE LABELED AT BOTH ENDS.
K. COORDINATE CABLE TRAY LOCATION AND MOUNTING HEIGHTS WITH MECHANICAL DUCTWORK AND PIPING PRIOR TO ROUGH-IN.

KEYNOTES

1. LOCATION OF EXISTING PATCH PANELS. PROVIDE ADDITIONAL PATCH PANEL FOR NEW CABLING.
2. EXISTING CABLE TRAY.
3. FURNITURE POWER POLE, PROVIDED AND INSTALLED BY FURNITURE VENDOR. CONTRACTOR TO PROVIDE AND CONNECT CABLING THRU POWER POLE AND FURNITURE RACEWAY TO DATA DEVICE.
4. PROVIDE SHALLOW DEPTH (1-1/2" DEEP) JUNCTION BOX.
5. EXISTING DATA DEVICE TO REMAIN.
6. EXISTING WIRELESS ACCESS POINT.

ALWAYS THINK SAFETY

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR TELECOM PLAN

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER
REGISTERED
14056
STATE OF IDAHO
TYLER B. VICTORINO
12.2.2025

BLM Project # 140L0622D002

Project # 070117.028

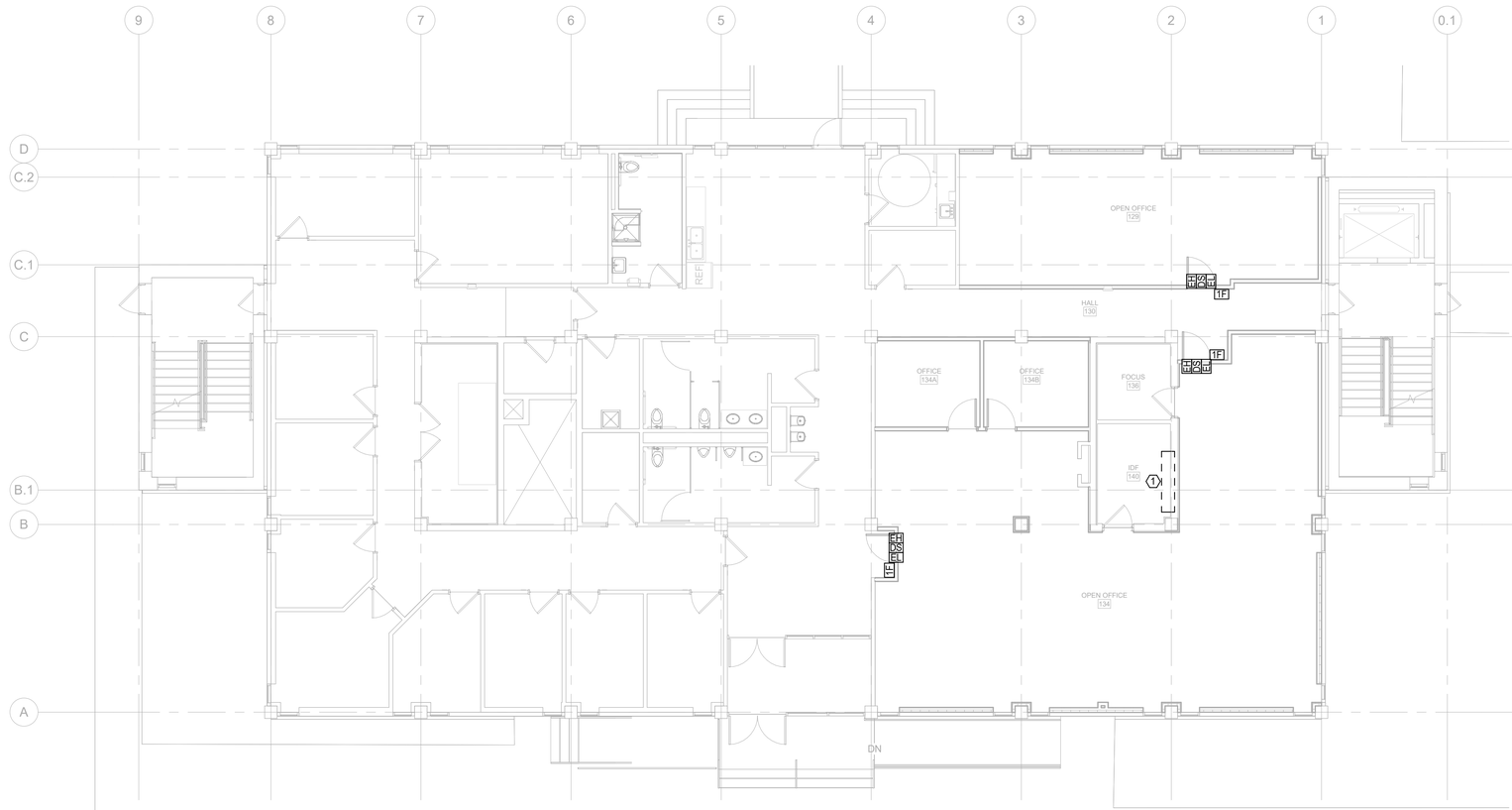
Date: 12.2.2025

ET101

Sheet 62 of 67

\\ysv219.ctagroup.net\userdata\davebl\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt

12/2/2025 3:42:38 PM ISSUED FOR CONSTRUCTION



B1 FIRST FLOOR SECURITY PLAN

N

0 4' 8' 16'

GENERAL NOTES - ACCESS CONTROL

WHERE NEW ACCESS CONTROL IS NOTED ON DRAWINGS, PROVIDE AND INSTALL ALL REQUIRED COMPONENTS, CONDUIT AND CABLING TO ADD ACCESS CONTROL AND POSITION MONITORING FOR DOORS:

1. CABLE RUNS FROM DOOR TO NEW ACCESS CONTROLLER SHALL BE IN RACEWAY.
2. USE MANUFACTURER'S RECOMMENDED CABLE FOR CONNECTING DEVICES TO SECURITY SYSTEM CONTROLLER. SIZE CONDUCTORS FOR NO MORE THAN 3% VOLTAGE DROP AT ELECTRICAL EQUIPMENT OR DEVICES OR DOOR HARDWARE. COORDINATE ROUTING WITH GOVERNMENT. USE PLENUM RATED CABLE UNLESS INSTALLED IN RACEWAY.
3. EACH DOOR WITH ACCESS CONTROL SHALL HAVE THE FOLLOWING CONDUIT INSTALLED-
   A. RUN ONE (1) 3/4" CONDUIT FROM CEILING TO THE HINGE SIDE OF THE DOOR FRAME AND EXTEND TO ELECTRIFIED CRASH BAR VIA ELECTRIC HINGE WITH FLEX CONDUIT OR MC CABLE AS RECOMMENDED BY DOOR HARDWARE MFR.
   B. ONE 3/4" CONDUIT FROM A FOUR-PLEX J-BOX AT ADA MOUNTED HEIGHT (48" AFF) ON THE LATCH SIDE OF THE DOOR AND TERMINATED ABOVE THE CEILING. THE FOUR-PLEX J-BOX SHALL FACE THE OUTSIDE AREA FOR INSTALLATION OF A CARD READER.
   C. ONE 1/2" CONDUIT ROUTED FROM IMMEDIATELY ABOVE THE DOOR FRAME AND TERMINATED ABOVE THE CEILING.
4. GENERAL: PROGRAM SPECIFICS AS IDENTIFIED BELOW. PROGRAM TO PROVIDE GOVERNMENT ABILITY TO ADJUST MULTIPLE FEATURES SUCH AS ALARM CONDITIONS, TIMES, UNIQUE CODES, ETC.
   A. UPON LOSS OF POWER OR FAILURE OF DOOR SYSTEM, ALL COMPONENTS SHALL FAIL TO SECURE MODE CONDITION.
   B. DO NOT PROGRAM SYSTEM FOR ANY DOOR TO UNLOCK AUTOMATICALLY ON A SCHEDULE. PROGRAMMING CAPABILITY SHALL BE PROVIDED IN SYSTEM FOR FUTURE SCHEDULING BY GOVERNMENT.
   C. PROGRAM SYSTEM TO SWEEP TO LOCKED (CLOSURE SWEEP) ALL CONTROLLED DOORS IN BUILDING AT 5:00PM EACH DAY.
   D. PROGRAM TO GENERATE ALARM UNDER FORCED DOOR CONDITION.
   E. PROGRAM SYSTEM TO SEND ALARM TO SERVER IF PERSONNEL DOOR IS HELD OPEN FOR MORE THAN ONE (1) MINUTE.
   F. PROGRAM SYSTEM TO INCLUDE ADDED DOORS IN EXISTING EMERGENCY LOCK-DOWN GROUP.
   G. PROGRAM TO SEND ALARM WHEN DOOR MONITORING SENSORS REVEAL MONITORED DOORS ARE OPEN OUTSIDE OF THE OCCUPIED SCHEDULE HOURS.

KEYNOTES

1. EXISTING SECURITY ACCESS CONTROL PANELS (AMAG SYMMETRY BRAND). PROVIDE (1) ADDITIONAL 4-DOOR ENTRY CONTROLLER.

ALWAYS THINK SAFETY

Cushing Terrell
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: FIRST FLOOR SECURITY PLAN

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER REGISTERED 14056 STATE OF IDAHO TYLER B. VICTORINO
12.2.2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

EY101

12/2/2025 3:39:30 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\daveb\Documents_Revit\Local\Temp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt

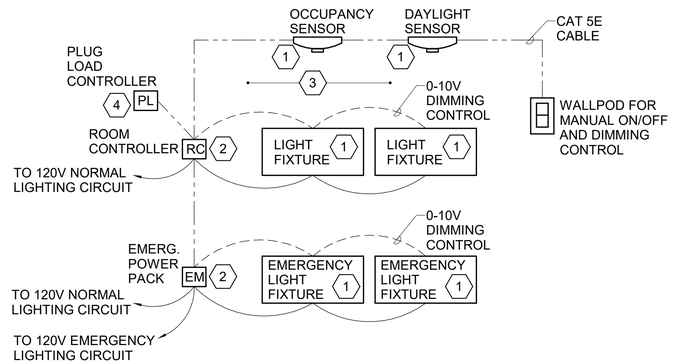
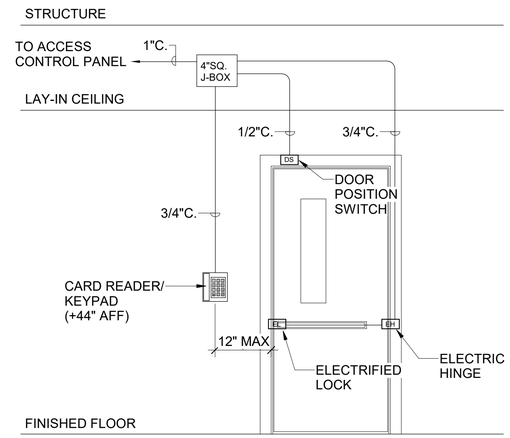


DIAGRAM NOTES:

1. SEE LIGHTING PLAN FOR QUANTITY OF LIGHT FIXTURES, OCCUPANCY SENSORS AND DAYLIGHT SENSORS IN EACH ZONE/ROOM.
2. ROOM CONTROLLER SHOWN ON PLANS ARE FOR REFERENCE ONLY, LOCATE ABOVE CEILING. PROVIDE AT LEAST ONE ROOM CONTROLLER FOR EACH LIGHTING ZONE. COORDINATE QUANTITY WITH LIGHTING ZONES AND MANUFACTURER'S RECOMMENDATION.
3. WIRING IS DIAGRAMMATIC. REFER TO SUBMITTAL DRAWINGS AND MANUFACTURER'S REQUIREMENTS FOR WIRING CONFIGURATION AND CONDUCTOR TYPES.
4. PLUG LOAD CONTROLLER. CONNECT TO HALF-CONTROLLED RECEPTACLES PER MANUFACTURER'S WIRING DIAGRAM.

C1 GENERAL LIGHTING WIRING DIAGRAM



NOTES:
1. FIRE SEAL CONDUIT PENETRATION TO MAINTAIN RATING OF WALL WHERE APPLICABLE.
2. STUB OUT ALL CONDUITS AND INSTALL JUNCTION BOX ON SECURE SIDE OF DOOR WHERE APPLICABLE.

C3 SECURITY DOOR ROUGH-IN DETAIL

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management

3833 S Development Ave, Boise, ID 83705

Sheet Title: ELECTRICAL DETAILS

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER REGISTERED 14056 STATE OF IDAHO TYLER B. VICTORINO
12.2.2025

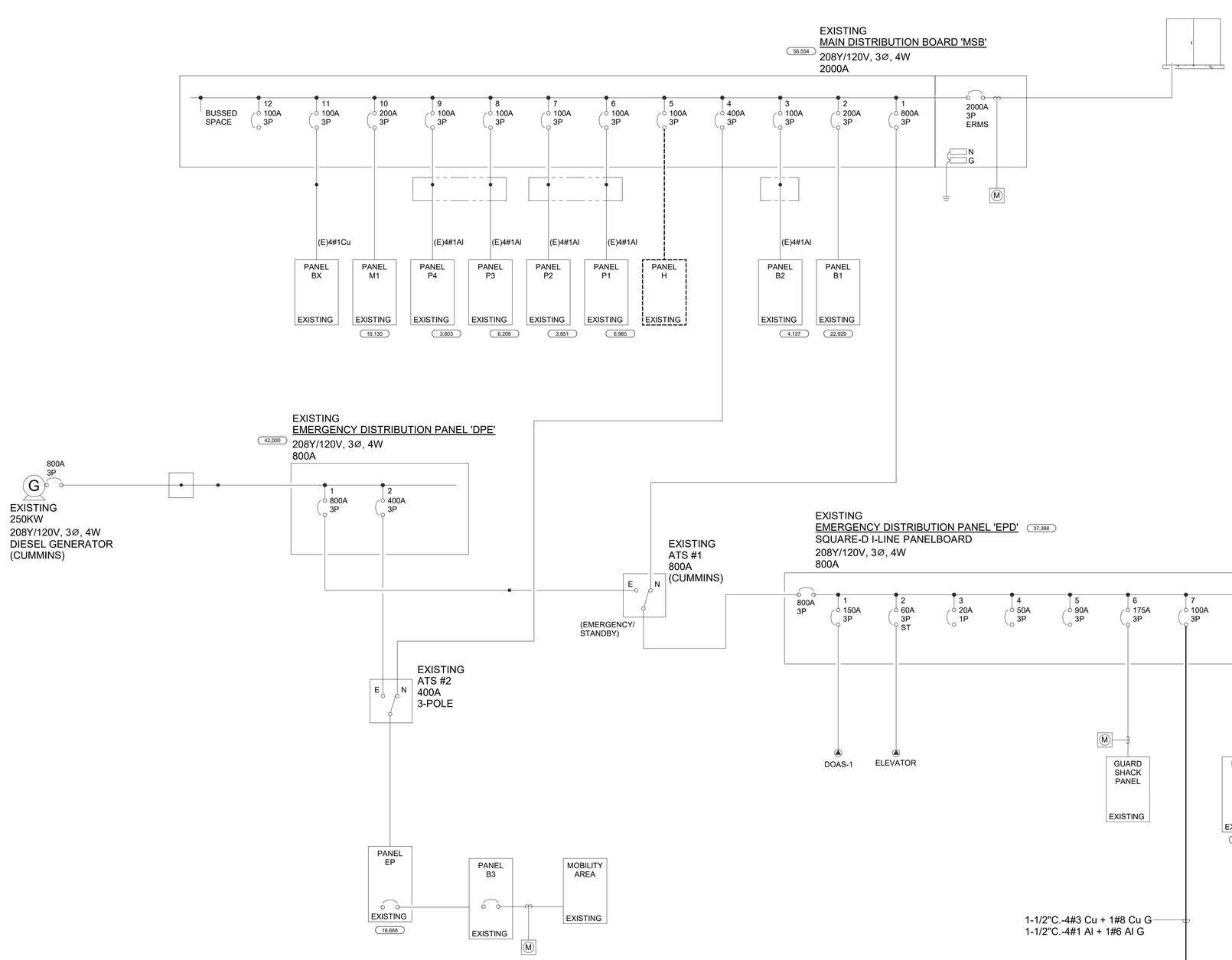
BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

E-500

12/2/2025 3:39:30 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\daveb\Documents_Revit\LocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt

LINE LEGEND

- EXISTING
- NEW
- DEMO



A1 ONE-LINE DIAGRAM

KEYNOTES

1. EXISTING UPS EQUIPMENT TO BE REMOVED. ALL CONDUIT AND CONDUCTORS TO BE REMOVED BACK TO SOURCE.
2. EXISTING PANEL PDU-1A TO BE RE-FED FROM EXISTING DISTRIBUTION PANEL 'EPD' PRIOR TO DISCONNECTION FROM UPS PDU PANEL. COORDINATE WITH GOVERNMENT TO MINIMIZE DOWNTIME.

Cushing Terrell
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: ONE-LINE DIAGRAM

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER REGISTERED 14056 STATE OF IDAHO TYLER B. VICTORINO 12.2.2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

E-601

Sheet 65 of 67

ALWAYS THINK SAFETY

\\ysv219.ctagroup.net\userdata\daveb\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt
ISSUED FOR CONSTRUCTION
12/2/2025 3:39:31 PM

PANEL: B2 (EXISTING)

LOCATION: HALL 013
MOUNTING TYPE: RECESSED
MANUFACTURER: SEE SPECIFICATIONS
MODEL TYPE: PANELBOARD
AMPS: 100 A
VOLTAGE: 120/208 Wye
PHASES: 3
WIRES: 4
TYPE OF MAIN: MLO
MINIMUM A/C RATING: SEE ONE-LINE DIAGRAM
FED FROM:
ENCLOSURE: NEMA 1
NOTES:

LOAD NAME	CKT NO	BKR AMP	POLE	A		B		C		POLE	BKR AMP	CKT NO	LOAD NAME
REC-STORAGE	1	20	1	720	720					1	20	2	REC-MEETING ROOM
SPARE	3	20	1			0	720			1	20	4	REC-LARGE MEETING ROOM
SPARE	5	20	1					0	540	1	20	6	REC-LARGE MEETING ROOM
SPARE	7	20	1	0	720					1	20	8	REC-MEETING ROOM
SPARE	9	20	1			0	0			1	20	10	SPARE
SPARE	11	20	1					0	0	1	20	12	SPARE
LIGHTS-PRODUCTION, SOUND STUDIO	13	20	1	385	0					1	20	14	SPARE
CLG REC-PRODUCTION	15	20	1			720	180			1	20	16	REC-IT
CLG REC-PRODUCTION	17	20	1					720	180	1	20	18	REC-IT
CLG REC-PRODUCTION	19	20	1	720	720					1	20	20	REC-BASEMENT
CLG REC-PRODUCTION	21	20	1			720	540			1	20	22	REC-PRODUCTION
CLG REC-PRODUCTION	23	20	1					72	540	1	20	24	REC-PRODUCTION
FLOOR REC-PRODUCTION	25	20	1	180	720					1	20	26	REC-IT, PRODUCTION
REC-PRODUCTION CONTROL	27	20	1			360	720			1	20	28	FLR REC-LARGE MEETING ROOM
REC-MULTIMEDIA STORAGE	29	20	1					360	720	1	20	30	REC-LARGE MEETING ROOM
REC-SOUND STUDIO	31	20	1	540	720					1	20	32	REC-LARGE MEETING ROOM
REC-SOUND BOOTH	33	20	1			600	540			1	20	34	REC-LARGE MEETING ROOM
REC-ELEVATOR PIT	35	20	1					720	540	1	20	36	REC-LARGE MEETING ROOM
SUMP PUMP-ELEVATOR	37	20	1	864	360					1	20	38	REC-LARGE MEETING ROOM
LIGHTS-LARGE MEETING ROOM	39	20	1			152	540			1	20	40	REC-LARGE MEETING ROOM
LIGHTS-MEETING ROOMS	41	20	1					437	360	1	20	42	REC-LARGE MEETING ROOM
				7369		5792		5189		TOTAL CONNECTED PHASE VA			
				62.2		49		43.2		TOTAL CONNECTED PHASE AMPS			

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING	589 VA	125.00%	736 VA	TOTAL CONNECTED LOAD:	18350
RECEPTACLES	7920 VA	100.00%	7920 VA	TOTAL CONNECTED AMPS:	50.9
EXISTING	9841 VA	100.00%	9841 VA		
				TOTAL EST. DEMAND:	18497.3
				TOTAL EST. DEMAND AMPS:	51.3

NOTES:

PANEL: P2 (EXISTING)

LOCATION: HALL 130
MOUNTING TYPE: RECESSED
MANUFACTURER: SEE SPECIFICATIONS
MODEL TYPE: PANELBOARD
AMPS: 100 A
VOLTAGE: 120/208 Wye
PHASES: 3
WIRES: 4
TYPE OF MAIN: MLO
MINIMUM A/C RATING: SEE ONE-LINE DIAGRAM
FED FROM:
ENCLOSURE: NEMA 1
NOTES:

LOAD NAME	CKT NO	BKR AMP	POLE	A		B		C		POLE	BKR AMP	CKT NO	LOAD NAME
SPARE	1	20	1	0	720					1	20	2	REC-OFFICE
SPARE	3	20	1			0	720			1	20	4	REC-OFFICE
SPARE	5	20	1					0	720	1	20	6	REC-OPEN OFFICE-SOUTH
SPARE	7	20	1	0	360					1	20	8	REC-COPIER-OPEN OFFICE-SOUTH
SPARE	9	20	1			0	360			1	20	10	POWER POLE-OPEN OFFICE-SOUTH
SPARE	11	20	1					0	360	1	20	12	REC-FOCUS
SPARE	13	20	1	0	360					1	20	14	REC-STORAGE, BREAK ROOM
SPARE	15	20	1			0	350			1	20	16	REC-WORK/MAIL
SPARE	17	20	1					0	860	1	20	18	REC-WELLNESS
SPARE	19	20	1	0	1586					2	20	20	FC UNITS-1G,1H,1K,1L,1O,1R,1S
LIGHTS-WELLNESS, STORAGE, FOCUS	21	20	1			227	1586			--	--	22	--
LIGHTS-OPEN OFFICE-NORTH	23	20	1					171	720	1	20	24	POWER POLE-OPEN OFFICE-SOUTH
LIGHTS-OPEN OFFICE-SOUTH	25	20	1	538	720					1	20	26	POWER POLE-OPEN OFFICE-SOUTH
REC-OPEN OFFICE-NORTH	27	20	1			360	720			1	20	28	POWER POLE-OPEN OFFICE-SOUTH
POWER POLE-OPEN OFFICE-NORTH	29	20	1					720	1080	1	20	30	POWER POLE-OPEN OFFICE-SOUTH
POWER POLE-OPEN OFFICE-NORTH	31	20	1	1080	1080					1	20	32	POWER POLE-OPEN OFFICE-SOUTH
PROVISION	33	--	1			--	--			1	--	34	PROVISION
PROVISION	35	--	1					--	--	1	--	36	PROVISION
PROVISION	37	--	1	--	3819					3	35	38	HP-1C
PROVISION	39	--	1			--	3819			--	--	40	--
PROVISION	41	--	1					--	3819	--	--	42	--
				10262.7		8141.7		8449.7		TOTAL CONNECTED PHASE VA			
				85.9		67.8		70.8		TOTAL CONNECTED PHASE AMPS			

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC	11456 VA	100.00%	11456 VA	TOTAL CONNECTED LOAD:	26854
LIGHTING	709 VA	125.00%	886 VA	TOTAL CONNECTED AMPS:	74.5
RECEPTACLES	9360 VA	100.00%	9360 VA		
EXISTING	5329 VA	100.00%	5329 VA	TOTAL EST. DEMAND:	27031.3
				TOTAL EST. DEMAND AMPS:	75

NOTES:

KEYNOTES

1. EXISTING CIRCUITS MADE AVAILABLE DURING DEMOLITION. VERIFY EXISTING CIRCUIT WAS DEMOLISHED DURING DEMOLITION PRIOR TO RE-USE OR LABELING AS SPARE.
2. NEW CIRCUIT ON EXISTING SPARE BREAKER.
3. NEW BREAKER IN EXISTING SPACE.

Cushing Terrell
cushingterrell.com
800.757.9522

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: PANEL SCHEDULES

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER REGISTERED 14056 STATE OF IDAHO TYLER B. VICTORINO
12.2.2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

E-602

Sheet 66 of 67

ALWAYS THINK SAFETY

12/2/2025 3:39:32 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\daveb\Documents_Revit\LocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt

LIGHTING FIXTURE SCHEDULE (BASIS OF DESIGN)

NOTES:
1)
2)
3)

ABBREVIATIONS:
AFF - ABOVE FINISHED FLOOR
BOF - BOTTOM OF FIXTURE
COF - CENTER OF FIXTURE OR JUNCTION BOX
TOF - TOP OF FIXTURE

TYPE	FIXTURE								LIGHT SOURCE		NOTES
	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	MOUNTING			VOLTAGE	VA	LAMP TYPE	LUMENS	
				LOCATION	TYPE	HEIGHT					
A1	2x4 VOLUMETRIC LED TROFFER	COLUMBIA LIGHTING	LCAT24-40MWG-ED1U	CEILING	LAY-IN		120 V	30.00	LED	3467 lm	
A5	2x4 VOLUMETRIC LED TROFFER	COLUMBIA LIGHTING	LCAT24-40XWG-ED1U	CEILING	LAY-IN		120 V	19.00	LED	2414 lm	
X1	LED EXIT SIGN, RED LETTERS, AC ONLY	COMPASS	CAR	CEILING	SURFACE	-	120 V	1.00	LED	0 lm	

LIGHTING FIXTURE SCHEDULE GENERAL NOTES:
1. ALTERNATE EQUAL LIGHTING FIXTURES MAY BE SUBMITTED FOR CONSIDERATION DURING THE CONSTRUCTION SUBMITTAL PROCESS.
2. MANUFACTURER'S PART NUMBER SHOWN INDICATE BASIC LIGHT FIXTURE TYPES REQUIRED. VERIFY WITH MANUFACTURER TO INCLUDE ALL ACCESSORIES REQUIRED FOR INSTALLATION..

LIGHTING CONTROL EQUIPMENT SCHEDULE (BASIS OF DESIGN)

GENERAL NOTES:
A. LOW VOLTAGE WIRING NOT DEPICTED ON PLAN DIAGRAMS. REFER TO MANUFACTURERS CONNECTION DIAGRAMS FOR LOW VOLTAGE REQUIREMENTS.
B. ALL LOW-VOLTAGE CABLING AND CONTROLLERS SHALL BE PLENUM RATED.
C. CONTRACTORS WORK TO INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
D. FIELD VERIFY EXACT LOCATION OF EACH SENSOR. LOCATE PER MANUFACTURER'S RECOMMENDATIONS. ULTRASONIC SENSORS SHALL BE INSTALLED A MINIMUM OF 5FT FROM ANY HVAC SUPPLY OR RETURN AIR DIFFUSER.
E. ALL CONTROLS SHALL BE FULLY ADJUSTED. ELECTRICAL CONTRACTOR TO PROVIDE TRAINING TO OWNER/MAINTENANCE STAFF FOR PROGRAMMING OF ALL LIGHTING CONTROLS IN PROJECT.
F. ELECTRICAL CONTRACTOR TO PROVIDE FOLLOW UP AT 6 MONTHS AND 1 YEAR TO ADJUST LIGHTING AND LIGHTING CONTROLS AND PROVIDE ADDITIONAL TRAINING TO OWNER/MAINTENANCE STAFF IF REQUESTED.

STANDARD SEQUENCE OF OPERATIONS:
1) AUTO-ON/OFF, TIME DELAY OFF SET TO 20 MINUTES.
2) AUTO-ON/OFF, TIME DELAY OFF SET TO 20 MINUTES.
3)

SYMBOL	DEVICE TYPE	SUBSCRIPT	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTAGE	MOUNTING HEIGHT	NOTES
$	$D		LOW VOLTAGE SWITCH, ON/OFF, RAISE/LOWER	WATTSTOPPER	LMSW-211-W	120 V	WALL	
$	$D2		LOW VOLTAGE SWITCH, ON/OFF, RAISE/LOWER	WATTSTOPPER	LMSW-222-W	120 V	WALL	
PC	DS		LOW VOLTAGE CEILING MOUNT SENSOR, PHOTOCONTROL W/ AUTO DIMMING	WATTSTOPPER	LMLS-400-L; LMLS-MB1	120 V	CEILING	
EM	EM		EM BYPASS DEVICE	WATTSTOPPER	ELCU-200	120 V	ABV CLG	
PL	PL		PLUG LOAD ROOM CONTROLLER	WATTSTOPPER	LMPL-101	120 V	ABV CLG	
OS	OS	A	LINE VOLTAGE WALL SENSOR, DUAL TECHNOLOGY	WATTSTOPPER	DSW-301-W	120 V	WALL	1
OS	OS	C	LOW VOLTAGE CEILING MOUNT SENSOR, DUAL TECHNOLOGY	WATTSTOPPER	LMDC-100	120 V	CEILING	2
RC	RC	C1	ROOM CONTROLLER, 1-ZONE, DIMMING	WATTSTOPPER	LMRC-111	120 V	ABV CLG	
RC	RC	C2	ROOM CONTROLLER, 2-ZONE, DIMMING	WATTSTOPPER	LMRC-112	120 V	ABV CLG	

ENERGY CODE LIGHT AND RECEPTACLE CONTROL SEQUENCE OF OPERATIONS

SPACE TYPE	TAG	SEQUENCE OF OPERATIONS
MEETING ROOM	MTG	1. GENERAL LIGHTING AUTO ON TO 50% AND CONTROLLED RECEPTACLES AUTO ON WHEN OCCUPANCY DETECTED. 2. MANUAL ON/OFF/DIM GENERAL LIGHTING WITH DIMMER SWITCHES. 3. AUTO OFF ALL LIGHTING AND CONTROLLED RECEPTACLES WITHIN 20 MINUTES OF OCCUPANTS LEAVING.
OPEN OFFICE	OPN	1. GENERAL LIGHTING AUTO ON TO 50%. 2. MANUAL ON/OFF/DIM GENERAL LIGHTING WITH DIMMER SWITCHES. 3. LIGHTING IN PRIMARY AND SECONDARY DAYLIGHT ZONES WILL CONTINUOUSLY DIM BASED ON DAYLIGHT CONTRIBUTION TO MAINTAIN AT... 4. AUTO OFF ALL LIGHTING WITHIN 20 MINUTES OF OCCUPANTS LEAVING.
SMALL PRIVATE OFFICE	SPO	1. GENERAL LIGHTING AUTO ON TO 50% AND CONTROLLED RECEPTACLES AUTO ON WHEN OCCUPANCY DETECTED. 2. MANUAL ON/OFF/DIM GENERAL LIGHTING WITH DIMMER SWITCHES. 3. AUTO OFF ALL LIGHTING AND CONTROLLED RECEPTACLES WITHIN 20 MINUTES OF OCCUPANTS LEAVING.
STORAGE	STO	1. LIGHTING AUTO ON WHEN OCCUPANCY DETECTED. 2. AUTO OFF ALL LIGHTING WITHIN 20 MINUTES OF OCCUPANTS LEAVING.

NOTES
1. OPERATING HOURS AND CONTROL SCHEDULES ARE TO BE COORDINATED WITH GOVERNMENT.

ROOM ENERGY CODE SOO SPAC...

NUMBER	NAME	SPACE TYPE
004	MEETING ROOM	MTG
004A	STORAGE	STO
006	LARGE MEETING...	MTG
012	MEETING ROOM	MTG
014	LARGE MEETING...	MTG
016	STORAGE	STO
021	LARGE MEETING...	MTG
129	OPEN OFFICE	OPN
134	OPEN OFFICE	OPN
134A	OFFICE	SPO
134B	OFFICE	SPO

ALWAYS THINK SAFETY

Cushing Terrell.
cushingterrell.com
800.757.9522

NIFC 100-ADMINISTRATION REPAIRS
FY 2022 GAOA

NATIONAL INTERAGENCY FIRE CENTER,
United States Department of the Interior Bureau of Land Management
3833 S Development Ave, Boise, ID 83705

Sheet Title: LIGHTING SCHEDULES

Designed by: BURFEIND
Drawn by: BURFEIND
Checked by: VICTORINO
Approved by: VICTORINO

Revisions:

#	Description	Date
1	ISSUED FOR CONSTRUCTION	12.2.25

PROFESSIONAL ENGINEER REGISTERED 14056 STATE OF IDAHO TYLER B. VICTORINO 12.2.2025

BLM Project # 140L0622D002
Project # 070117.028
Date: 12.2.2025

E-603

Sheet 67 of 67

12/2/2025 3:39:33 PM ISSUED FOR CONSTRUCTION \\ysv219.ctagroup.net\userdata\daveb\Documents_RevitLocalTemp\LBYDBLM25_TO28_elec24_DaveBurfeind.rvt