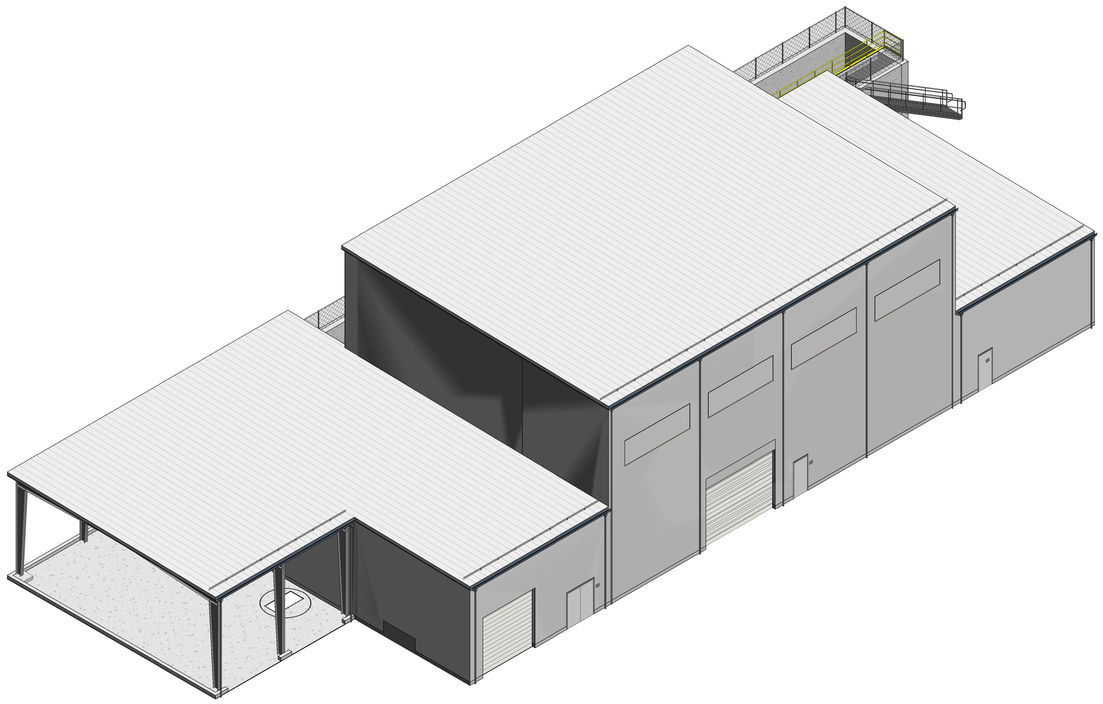
BP3 - Hon-Dah Utility Campus

IHS REVIEW AND APPROVAL

REVIEWED BY	DATE
CIVIL Thomas Armitage -S	Digitally signed by Thomas Armitage -S Date: 2026.03.11 14:48:04 -05'00'
MECHANICAL Hung M. Nguyen -S	Digitally signed by Hung M. Nguyen -S Date: 2026.03.11 15:26:05 -05'00'
APPROVED Scott P. Fillerup -S	Digitally signed by Scott P. Fillerup -S DN: OID.0.9.2342.19200300.100.1.1=2000120248 + CN=Scott P. Fillerup -S, OU=People, OU=IHS, OU=HHS, O=U.S. Government, C=US Date: 2026.03.11 11:00:42-07'00' — DATE
DES PROJECT MANAGER	
CONCURRENCE Denman K. Ondelacy -S	Digitally signed by Denman K. Ondelacy -S Date: 2026.03.11 11:29:34 -07'00' — DATE
DES DEPUTY DIRECTOR Roger N. Dahozy -S	Digitally signed by Roger N. Dahozy -S Date: 2026.03.11 16:00:16 -07'00'
AREA FACILITY PROGRAM DIRECTOR Kenny R. Hicks -S	Digitally signed by Kenny R. Hicks -S Date: 2026.03.11 14:40:46 -07'00'
AREA OEHE DIRECTOR	



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VOLUME I OF I

ISSUED FOR:
FINAL CONSTRUCTION DOCUMENTS

ISSUE DATE:
01/23/2026

14904.000

Plot Date: 12/19/2025 1:10:27 PM

PROJECT SHEET INDEX

GENERAL

Current Revision	Current Revision Date	SHEET NUMBER	SHEET NAME
		G0.0	PROJECT COVER SHEET
		G1.1	PROJECT SHEET INDEX AND GENERAL PROJECT INFORMATION
		G2.0.0	BUILDING CODE SUMMARY
		G2.2.1	FIRE LIFE SAFETY PLANS

CIVIL

Current Revision	Current Revision Date	SHEET NUMBER	SHEET NAME
		C1.00	COVER
		C1.01	NOTES
		C2.00	SITE PLAN KEY MAP
		C2.01	SITE PLAN
		C2.02	SITE PLAN
		C2.03	SITE PLAN
		C3.00	GRADING & DRAINAGE KEY PLAN
		C3.01	GRADING & DRAINAGE PLAN
		C3.02	GRADING & DRAINAGE PLAN
		C3.03	GRADING & DRAINAGE PLAN
		C4.00	ROADWAY KEY MAP
		C4.01	ROADWAY 1 PLAN & PROFILE
		C4.02	ROADWAY 1 PLAN & PROFILE
		C4.03	ROADWAY 2 PLAN & PROFILE
		C4.04	ROADWAY 2 PLAN & PROFILE
		C4.05	ROADWAY 2 PLAN & PROFILE
		C4.06	ROADWAY 2 PLAN & PROFILE
		C5.00	SANITARY SEWER KEY PLAN
		C5.01	SANITARY SEWER MAIN PLAN & PROFILE
		C5.02	SANITARY SEWER MAIN PLAN & PROFILE
		C5.03	SANITARY SEWER LATERAL PLAN & PROFILE
		C6.00	WATER DRAIN KEY MAP
		C6.01	WATER DRAIN PLAN & PROFILE
		C7.00	WATER MAIN KEY MAP
		C7.01	WATER MAIN PLAN & PROFILE
		C7.02	WATER MAIN PLAN & PROFILE
		C7.03	WATER MAIN PLAN & PROFILE
		C7.04	WATER MAIN PLAN & PROFILE
		C7.05	WATER MAIN PLAN & PROFILE
		C8.00	RECLAIMED WATER KEY MAP
		C8.01	RECLAIMED WATER STUB PLAN & PROFILE
		C8.02	RECLAIMED WATER PLAN & PROFILE
		C8.03	RECLAIMED WATER PLAN & PROFILE
		C9.01	DETAILS
		C9.02	DETAILS
		C9.03	DETAILS
		C9.04	DETAILS
		C10.01	STORM WATER MANAGEMENT PLAN
		C10.02	STORM WATER MANAGEMENT PLAN DETAILS

LANDSCAPE

Current Revision	Current Revision Date	SHEET NUMBER	SHEET NAME
		L0.0.0	COVER SHEET
		LI1.0.0	IRRIGATION PLAN
		LI5.0.0	IRRIGATION DETAIL
		LS1.0.0	SITE PLAN
		LS1.0.1	HARDSCAPE PLAN
		LS5.0.0	SITE DETAILS

STRUCTURAL

Current Revision	Current Revision Date	SHEET NUMBER	SHEET NAME
		S-1	GENERAL STRUCTURAL NOTES
		S-2	STATEMENT OF SPECIAL INSPECTION
		S-3	FOUNDATION/SLAB PLAN
		S-4	LOWER ROOF FRAMING PLAN
		S-5	UPPER ROOF FRAMING PLAN
		S-6	BUILDING SECTIONS
		S-7	BUILDING SECTIONS
		S-8	FOUNDATION DETAILS
		S-9	FOUNDATION DETAILS
		S-10	PIER DETAILS
		S-11	PIER DETAILS
		S-12	PIER DETAILS
		S-13	DETAILS
		S-14	ENLARGED WALKWAY FRAMING PLAN
		S-15	STAIR DETAILS
		S-16	STAIR DETAILS
		S-17	STORAGE TANK DETAILS

ARCHITECTURAL

Current Revision	Current Revision Date	SHEET NUMBER	SHEET NAME
		A0.1	ARCHITECTURAL ABBREVIATIONS AND SYMBOLS
		A0.2	TYPICAL TOILET ROOM MOUNTING HEIGHTS AND STALL CONFIGURATION DIAGRAMS
		A0.3	TYPICAL MOUNTING HEIGHTS AND DIMENSIONING CONVENTIONS
		A1.1.1	ARCHITECTURAL SITE PLAN - OVERALL
		A2.1.1	FLOOR AND ROOF PLANS
		A3.1.1	REFLECTED CEILING PLANS
		A4.1.1	EXTERIOR BUILDING ELEVATIONS
		A4.2.1	BUILDING SECTIONS
		A5.0.10	EXTERIOR ASSEMBLIES
		A5.1.1	WATERPROOFING DETAILS
		A6.1.1	STAIR PLANS/SECTIONS AND FENCE DETAIL
		A6.2.1	TYPICAL STAIR DETAILS - ALUMINUM BAR GRATING
		A8.1.1	INTERIOR ELEVATIONS
		A9.2.1	PARTITION SYSTEMS
		A9.2.2	PARTITION SYSTEMS DETAILS - FRAMING
		A9.3.1	DOOR AND OPENING SCHEDULE
		A9.6.1	MODULAR CASEWORK DETAILS
		AI1.1.0	INTERIOR FINISH AND FURNITURE PLAN AND SCHEDULE
		AG2.1.1	INTERIOR SIGNAGE

FIRE PROTECTION

Current Revision	Current Revision Date	SHEET NUMBER	SHEET NAME
		FP0.1	FIRE SUPPRESSION ABBREVIATIONS AND SYMBOLS
		FP2.1	FIRE SUPPRESSION PLAN

PLUMBING

Current Revision	Current Revision Date	SHEET NUMBER	SHEET NAME
		P-1	PLUMBING LEGEND & NOTES
		P-2	PLUMBING SCHEDULES
		P-3	UNDERSLAB PLUMBING PLAN
		P-4	PLUMBING PLAN
		P-5	PLUMBING DETAILS

MECHANICAL

Current Revision	Current Revision Date	SHEET NUMBER	SHEET NAME
		I-1	PID LEGENDS AND NOTES
		I-2	PLANT CONTROL SYSTEM ARCHITECTURE
		I-3	SEWER LIFT STATION
		I-4	HEADWORKS AND EQ SYSTEM
		I-5	MBR SYSTEM (TRAIN 1 - PROCESS)
		I-6	MBR SYSTEM (TRAIN 1 - PUMPS AND BLOWERS)
		I-7	MBR SYSTEM (TRAIN 2 - PROCESS)
		I-8	MBR SYSTEM (TRAIN 2 - PUMPS AND BLOWERS)
		I-9	FUTURE MBR SYSTEM (TRAIN 3 - PROCESS)
		I-10	FUTURE MBR SYSTEM (TRAIN 3 - PUMPS AND BLOWERS)
		I-11	CHEMICAL FEED SYSTEM
		I-12	UV, NPW, EFFLUENT AND RECLAIMED WATER SYSTEMS
		I-13	AEROBIC DIGESTER AND DWATERING SYSTEM
		I-14	DIGESTER BLOWERS
		M-1	WWTP DESIGN CRITERIA AND GENERAL NOTES
		M-2	MISCELLANEOUS LEGENDS AND NOTES
		M-3	ABBREVIATIONS AND NOTES
		M-4	PROCESS FLOW DIAGRAM
		M-5	WWTP HYDRAULIC PROFILE
		M-6	OVERALL BUILDING PLAN
		M-7	OVERALL BUILDING SECTIONS
		M-8	HEADWORKS PLAN
		M-9	COARSE SCREENING AND GRIT REMOVAL SECTIONS AND DETAILS
		M-10	FINE SCREENING SECTIONS AND DETAILS AND INFLUENT PUMP STATION
		M-11	EQ BASIN AND EQ TRANSFER PUMP STATION PLAN
		M-12	EQ BASIN AND EQ TRANSFER PUMP STATION SECTIONS
		M-13	PROCESS ROOM PLAN
		M-14	PROCESS ROOM SECTIONS
		M-15	PROCESS ROOM SECTIONS AND DETAILS
		M-16	BLOWER ROOM PLAN
		M-17	BLOWER ROOM SECTIONS AND DETAILS
		M-18	UV DISINFECTION SYSTEM
		M-19	CHEMICAL FEED SYSTEM PLAN
		M-20	CHEMICAL FEED SYSTEM SECTIONS AND DETAILS
		M-21	CHEMICAL FEED SYSTEM DETAILS
		M-22	NPW AND RECLAIMED EFFLUENT PUMP STATION PLAN
		M-23	NPW & RECLAIMED EFFLUENT PUMP STATION SECTIONS
		M-24	AEROBIC DIGESTER PLAN
		M-25	AEROBIC DIGESTER SECTIONS
		M-26	SOLIDS HANDLING ROOM PLAN
		M-27	SOLIDS HANDLING ROOM SECTIONS
		M-28	RECLAIMED WATER PUMPING PLAN AND SECTION
		M-29	MECHANICAL DETAILS
		M-30	MECHANICAL DETAILS
		M-31	MECHANICAL DETAILS
		M-32	MECHANICAL DETAILS
		M-33	MECHANICAL DETAILS
		M-34	MECHANICAL DETAILS
		M-35	MECHANICAL DETAILS
		M-36	HVAC SYMBOLS AND ABBREVIATIONS
		M-37	HVAC SCHEDULES
		M-38	OVERALL HVAC PLAN
		M-39	CHEMICAL, ELECTRICAL, AND LAB AREA HVAC PLAN
		M-40	PROCESS ROOM HVAC PLAN
		M-41	SOLIDS HANDLING ROOM HVAC PLAN
		M-42	BLOWER ROOM HVAC PLAN
		M-43	HVAC SECTIONS
		M-44	HVAC CONTROLS
		M-45	HVAC DETAILS

ELECTRICAL

Current Revision	Current Revision Date	SHEET NUMBER	SHEET NAME
		E-1	ELECTRICAL SYMBOLS AND ABBREVIATIONS
		E-2	ELECTRICAL SITE PLAN
		E-3	OVERALL BUILDING PLAN
		E-4	HEADWORKS AREA ELECTRICAL PLAN
		E-5	PROCESS AREA ELECTRICAL PLAN
		E-6	SOLIDS HANDLING ROOM ELECTRICAL PLAN
		E-7	BLOWER AND ELECTRICAL AREA ELECTRICAL PLAN
		E-8	CHEMICAL AND OFFICE AREA ELECTRICAL PLAN
		E-9	ROOF AND DIGESTER & EQ BASIN AREA ELECTRICAL PLAN
		E-10	LIGHTING AND RECEPTACLE PLAN 1
		E-11	LIGHTING AND RECEPTACLE PLAN 2
		E-12	CABLE TRAY PLAN
		E-13	WWTP ONE-LINE DIAGRAM
		E-14	WWTP ONE-LINE DIAGRAM CONTINUED
		E-15	PANEL SCHEDULES
		E-16	MEP COORDINATION SCHEDULE
		E-17	CONDUIT & CABLE AND LUMINAIRE SCHEDULE
		E-18	TYPICAL FVNR MOTOR LOGIC
		E-19	TYPICAL VFD MOTOR LOGIC
		E-20	CONTROL BLOCK DIAGRAM - PLANT
		E-21	CONTROL BLOCK DIAGRAM - MBR SYSTEM
		E-22	ELECTRICAL DETAILS 1
		E-23	ELECTRICAL DETAILS 2

FIRE ALARM

Current Revision	Current Revision Date	SHEET NUMBER	SHEET NAME
		FA0.1	FIRE ALARM ABBREVIATIONS AND SYMBOLS
		FA1.1	FIRE ALARM PLAN

ICT

Current Revision	Current Revision Date	SHEET NUMBER	SHEET NAME
		T0.1	ICT ABBREVIATIONS AND SYMBOLS
		T1.1.1	ICT SITE PLAN
		T2.1.1	ICT FLOOR AND ROOF PLAN
		T3.1.1	LEVEL 1 - ICT REFLECTED CEILING PLAN
		T4.0	ENLARGED ICT PLANS AND ELEVATIONS
		T5.0	ICT BUILDING RISER
		T6.0	ICT DETAILS
		T8.0	AV SYSTEMS ONE-LINE DIAGRAMS
		T8.1	AV SYSTEMS ONE-LINE DIAGRAMS
		T8.2	AV SYSTEMS ONE-LINE DIAGRAMS
		T8.3	AV SYSTEMS ONE-LINE DIAGRAMS
		T8.4	AV SYSTEMS ONE-LINE DIAGRAMS

SECURITY

Current Revision	Current Revision Date	SHEET NUMBER	SHEET NAME
		TY0.1	SECURITY ABBREVIATIONS AND SYMBOLS
		TY1.1.1	SECURITY SITE PLAN
		TY2.1.1	SECURITY FLOOR AND ROOF PLAN
		TY6.0	SECURITY DETAILS
		TY6.2	SECURITY DETAILS
		TY7.0	SECURITY SCHEDULES

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PROJECT GENERAL NOTES

THE FOLLOWING PROJECT GENERAL NOTES APPLY TO THE ENTIRE DRAWING SET AND ARE NOT SPECIFIC TO ANY ONE DISCIPLINE, UNLESS OTHERWISE NOTED:

1. THE DRAWING SET AND SPECIFICATIONS (PROJECT MANUAL) ARE COMPLEMENTARY AND ESTABLISH DETAILED MINIMUM REQUIREMENTS FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT.
2. THE DRAWING SET CONSISTS OF ALL SHEETS LISTED BY THE SHEET INDEX. THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED BY THE WORK DESCRIBED ON DRAWINGS OF ANOTHER DISCIPLINE AND MAY REQUIRE REFERENCE TO DRAWINGS OF ANOTHER DISCIPLINE. AS SUCH, DO NOT DISTRIBUTE OR UTILIZE PARTIAL SETS OF DRAWINGS.
3. COLUMN GRID LINES IDENTIFIED BY A LETTER DESIGNATION ARE PARALLEL, UNLESS OTHERWISE NOTED. COLUMN GRID LINES IDENTIFIED BY A NUMBER DESIGNATION ARE PARALLEL AND ARE PERPENDICULAR TO THOSE WITH LETTER DESIGNATIONS, UNLESS OTHERWISE NOTED.
4. DISCIPLINE GENERAL NOTES, SYMBOLS AND DEFINITIONS APPLICABLE TO EACH DISCIPLINE'S DRAWINGS MAY BE FOUND AT THE FRONT OF EACH DISCIPLINE'S PORTION OF THE DRAWING SET AND ARE LISTED IN THE SHEET INDEX.
5. UNLESS INDICATED OTHERWISE, THE 'ARCHITECTURAL' SERIES DRAWINGS TAKE PRECEDENCE FOR THE FINISHED APPEARANCE AND LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK OF ALL TRADES, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES.
6. THE DRAWINGS MAY MAKE REFERENCE TO OR ILLUSTRATE ITEMS WHICH ARE NOT PART OF THE WORK OF THE CONTRACT. THESE "NOT IN CONTRACT" ITEMS AS INDICATED ARE REFERENCED OR ILLUSTRATED FOR THE CONTRACTOR'S REFERENCE, INFORMATION AND COORDINATION ONLY.
7. TAKE PRECAUTIONS TO MAINTAIN AND PROTECT NEW WORK AS WELL AS EXISTING SYSTEMS AND ELEMENTS, IF ANY, WHICH ARE TO REMAIN OR BE SALVAGED. ANY DAMAGE TO SUCH SYSTEMS AND ELEMENTS SHALL BE IMMEDIATELY REPAIRED IN A MANNER ACCEPTABLE TO THE ARCHITECT. IF SATISFACTORY REPAIRS CANNOT BE MADE, REPLACE SYSTEMS AND ELEMENTS WITH "LIKE NEW" QUALITY ACCEPTABLE TO THE ARCHITECT, ALL AT NO ADDITIONAL COST.
8. ALL PARTS OF THE WORK, INCLUDING BUT NOT LIMITED TO MATERIALS, METHODS, OR ASSEMBLIES, MUST COMPLY WITH THE REQUIREMENTS OF THE GOVERNING CODES AND REGULATIONS OF ALL FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT, AS WELL AS THOSE GREATER REQUIREMENTS INDICATED BY THE CONTRACT DOCUMENTS. NO PART OF THE CONTRACT DOCUMENTS MAY BE CONSTRUED TO REQUIRE OR ALLOW WORK CONTRARY TO A GOVERNING CODE OR REGULATION.
9. IDENTIFY AND NOTIFY THE ARCHITECT OF CONFLICTS BETWEEN THE WORK OF DIFFERENT PARTIES AT THE EARLIEST POSSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT DELAYING THE WORK. ALL DEVIATIONS FROM THE CONTRACT DOCUMENTS MUST BE APPROVED IN ADVANCE BY THE ARCHITECT AND OWNER.
10. REVIEW AND COORDINATE THE WORK OF ALL OTHER PARTIES PERFORMING WORK AT THE PROJECT, INCLUDING BUT NOT LIMITED TO, DELEGATED DESIGN ENTITIES, TRADES AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION, AND ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY.

PROJECT DESCRIPTION

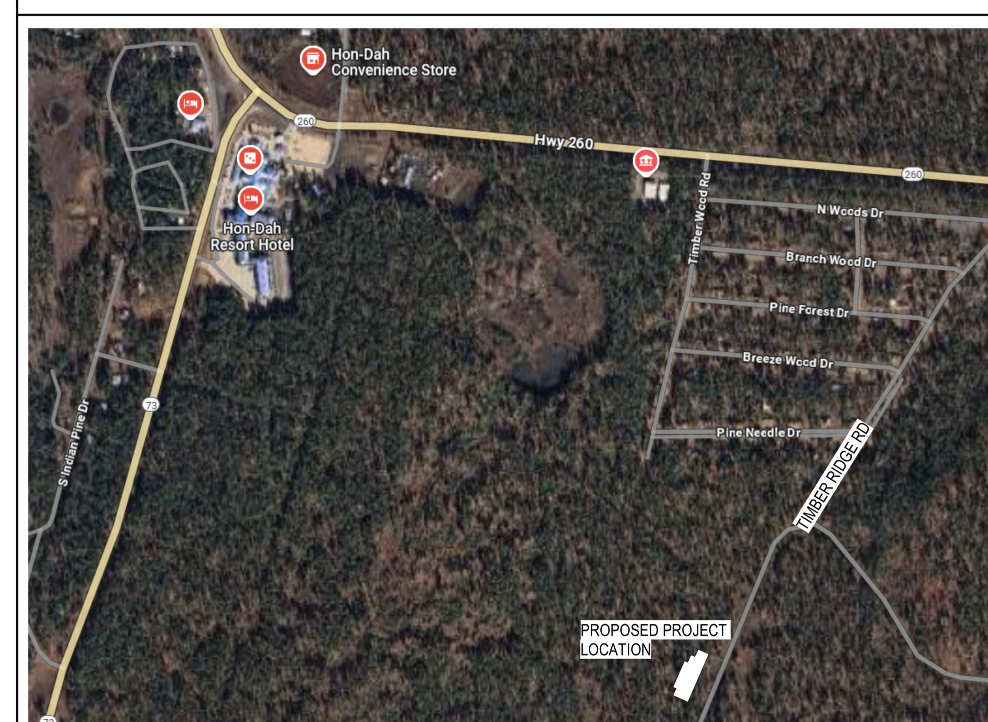
WASTE WATER TREATMENT PLANT FOR THE HON-DAH COMMUNITY.
PRE-ENGINEERED METAL BUILDING HOUSING WATER WATER TREAMENT EQUIPMENT AND SERVICE AREAS INLCUDING LAB/CONTROL, STAFF TOILET, ELECTRICAL AND LOW VOLTAGE ROOMS. SITE DEVELOPMENT TO INCLUDE ROADWAYS, DRAINAGE, AND SECURITY FENCING.

PROJECT SUSTAINABILITY STATEMENT

THIS PROJECT IS REGISTERED UNDER THE LEED ® GREEN BUILDING PROGRAM ADMINISTERED BY THE GREEN BUILDING CERTIFICATION INSTITUTE (GBCI). THE PROJECT MANUAL SECTION TITLED "SUSTAINABLE DESIGN REQUIREMENTS" OUTLINES THE SPECIFIC CRITERIA TO BE ACHIEVED IN THIS PROJECT TO OBTAIN LEED [insert certification level here] CERTIFICATION BASED ON GBCI's "insert LEED version and program here]"

SmithGroup is a member in good standing of the USGBC

VICINITY MAP



TRUE NORTH PROJECT NORTH

IHS Whiteriver Hospital

200 W Hospital Drive
Whiteriver, Arizona, 85941

IHS Project #: 131445
IHS Contract #: 75H70123R00008
IHS Award Date: 02/02/2024

BUILDING PACKAGE 3 (BP3)
HON-DAH UTILITY CAMPUS

BASED ON PROGRAM OF REQUIREMENTS DATED [**03/26/22**], POR AMENDMENT DATED [**02/03/25**], AND ON SCHEMATIC DRAWINGS APPROVED [**11/19/24**].

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ISSUED FOR	DATE
FINAL CONSTRUCTION DOCUMENTS	23JAN26

SEALS AND SIGNATURES

REGISTERED ARCHITECT
CERTIFICATE NO.
79483
BRANDY KOCH
Date Signed 1/23/26
ARIZONA, U.S.A.

PROJECT SHEET INDEX AND GENERAL PROJECT INFORMATION

Drawn By: APROTOSOAIE-KARDOS Checked By: PETAK

14904.000

PROJECT NUMBER

BP3 G1.1

SHEET NUMBER

Plot Date: 1/21/2026 5:28:05 PM APROTOSOAIE-KARDOS

PROJECT CODE SUMMARY

BUILDING CLASSIFICATION:

OCCUPANCY CLASSIFICATION AND CONSTRUCTION TYPES PER IBC CHAPTERS 3, 4, 5, AND 6, NFPA 101 CHAPTERS 6, 38, 40, AND 42

BASIC OCCUPANCY GROUP(S) : *[PER IBC CHAPTER 3, NFPA 101 CHAPTER 6]*

○ GROUP A-1	○ GROUP A-2/ASSEMBLY	○ GROUP A-3/ASSEMBLY
○ GROUP A-4	○ GROUP A-5	● GROUP B/BUSINESS
○ GROUP E	● GROUP F-1/INDUSTRIAL	○ GROUP F-2
○ GROUP H-1	○ GROUP H-2	○ GROUP H-3
● GROUP H-4	○ GROUP H-5	○ GROUP I-1
○ GROUP I-2/HEALTH CARE	○ GROUP I-3	○ GROUP I-4
○ GROUP M	○ GROUP R-1	○ GROUP R-2
○ GROUP R-3	○ GROUP R-4	○ GROUP S-1
● GROUP S-2/STORAGE	○ GROUP U	

MIXED USE AND OCCUPANCY : *[PER IBC SECTION 508 & 509, NFPA 101 SECTION 6.1.14]*

● ACCESSORY OCCUPANCIES *[IBC 508.2]*
[Accessory Occupancies <10% of Story]
● INCIDENTAL USES *[IBC SECTION 509, NFPA 101 Section 6.1.14.1.3]*
○ NONSEPARATED OCCUPANCIES* *[IBC 508.3, NFPA 101 Section 6.1.14.2.2]*
○ SEPARATED OCCUPANCIES *[IBC 508.4, NFPA 101 Section 6.1.14.4]*
*REFER TO FIRE AND LIFE SAFETY PLANS FOR SEPARATION REQUIREMENTS

TYPE(S) OF CONSTRUCTION : *[PER IBC CHAPTER 6, NFPA 220 CHAPTER 4]*

TYPE I :	○A	○B	
TYPE II :	○A	●B	TYPE II(000)
TYPE III :	○A	○B	
TYPE IV :	○HT		
TYPE V :	○A	○B	

SPECIAL DETAILED REQUIREMENTS :

○ HIGH-RISE BUILDING *[PER IBC SECTION 403]*
○ ATRIUM *[PER IBC SECTION 404]*
○ OPEN PARKING GARAGE *[PER IBC SECTION 406.5]*
○ GROUP I-2: *[PER IBC SECTION 407, NFPA 101 CHAPTER 18]*
- SMOKE COMPARTMENTS
- REFUGE AREA

● HAZARDOUS MATERIALS: *[PER IBC SECTION 414-415, IBC CHAPTER 50 AND 54, NFPA 400]*
- CONTROL AREAS

○ MEZZANINE *[PER IBC SECTION 505, NFPA 101 8.6.10]*
○ EQUIPMENT PLATFORM *[PER IBC SECTION 505]*

DESIGN INCLUDES SEPARATED GROUP F-1 AND GROUP H-4 OCCUPANCIES IN ACCORDANCE WITH *IBC 508.4.4*. DESIGN INCLUDES ACCESSORY/INCIDENTAL GROUP B AND GROUP S-2 OCCUPANCIES. FIRE-RATED SEPARATION FOR ACCESSORY/INCIDENTAL OCCUPANCIES IS NOT REQUIRED OR PROVIDED.

BUILDING AREA CALCULATIONS:

PER IBC CHAPTER 5

○ UNLIMITED AREA ALLOWED *(PER IBC TABLE 506.2)*
○ UNLIMITED HEIGHT ALLOWED *PER IBC TABLES 504.3 AND 504.4)*

○ AUTOMATIC SPRINKLER SYSTEM INCREASE USED FOR ALLOWABLE HEIGHT MODIFICATION *(PER IBC TABLES 504.3 AND 504.4)*

● NO ALLOWABLE HEIGHT OR AREA MODIFICATIONS USED

ALLOWABLE AREA MODIFICATIONS USED PER THE ALLOWABLE AREA CALCULATIONS ON THIS SHEET:

AUTOMATIC SPRINKLER SYSTEM INCREASE *(PER IBC TABLE 506.2)*
FRONTAGE INCREASE *(PER IBC EQUATION 5-3)*

MINIMUM FIRE-RESISTANCE REQUIREMENTS:

FIRE-RESISTIVE RATING REQUIREMENTS FOR BUILDING ELEMENTS : *[PER IBC TABLE 601]*

TYPE OF CONSTRUCTION: *IIB* TYPE II(000)

PRIMARY STRUCTURAL FRAME :	*0 HOURS*
BEARING WALLS (EXT) :	*0 HOURS*
BEARING WALLS (INTR) :	*0 HOURS*
NON-BRG WALLS AND PARTITIONS (EXT)	*0 HOURS*
PER IBC TABLE 601:	
NON-BRG WALLS AND PARTITIONS (INTR) :	*0 HOURS*
FLOOR CONSTR AND SECONDARY MEMBERS :	*0 HOURS*
ROOF CONSTR AND SECONDARY MEMBERS :	*0 HOURS*

FIRE-RESISTANCE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE {X} : *[PER IBC TABLE 705.5]*

CONSTRUCTION TYPE / OCCUPANCY	*IIB / F-1*	*IIB / H-4*
X < 5 FT	*2 HOURS*	*3 HOURS*
5 FT ≤ X < 10 FT	*1 HOURS*	*2 HOURS*
10 FT ≤ X < 30 FT	*0 HOURS*	*1 HOURS*
X ≥30 FT	*0 HOURS*	*0 HOURS*

MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE: *[PER IBC TABLE 705.9]*

FIRE SEPARATION DISTANCE	DEGREE OF PROTECTION (UP, NS)	(UP, S)	(P)
0 < 3 FT	NP	NP	NP
3 < 5 FT	NP	15%	15%
5 < 10 FT	10%	25%	25%
10 < 15 FT	15%	45%	45%
15 < 20 FT	25%	75%	75%
20 < 25 FT	45%	NL	NL
25 < 30 FT	70%	NL	NL
30 FT >	NL	NR	NR

THE FIRE SEPARATION DISTANCE IS GREATER THAN 30 FEET. DESIGN DOES NOT REQUIRE OR PROVIDE EXTERIOR WALL RATINGS.

FIRE DOOR AND FIRE SHUTTER FIRE PROTECTION RATINGS (hours): *[PER IBC TABLE 716.1(2), NFPA 101, TABLE 8.3.4.2]*

TYPE OF ASSEMBLY	REQ'D ASSEMBLY RATING	MIN. FIRE DOOR AND FIRE SHUTTER ASSEMBLY RATING
Fire walls and fire barriers having a required fire-resistance rating greater than 1 hour	4 3 2 1 1/2	3 3 1 1/2 1 1/2
Fire barriers having a required fire-resistance rating of 1 hour Shaft, exit enclosure and exit passageway walls: Other fire barriers:	1 1	1 3/4
Fire partitions Corridor walls: Other fire partitions:	1 0.5 1 0.5	1/3 1/3 3/4 1/3
Exterior Walls	3 2 1	1 1/2 1 1/2 3/4
Smoke Barriers	1	1/3

MEANS OF EGRESS:

*REFER TO THE LIFE SAFETY PLANS FOR ACTUAL MEASURED DISTANCES.

DOORS :
[PER IBC 1010.1.1, NFPA 101 Section 7.2.1.2.3.2]
THE MINIMUM CLEAR WIDTH AND HEIGHT OF A DOOR SHALL NOT BE LESS THAN 32 INCHES AND 80 INCHES RESPECTIVELY.

[PER IBC 1010.1.2.1, NFPA 101 Section 7.2.1.4.2]
DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL, WHERE SERVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS OR A GROUP H OCCUPANCY.

COMMON PATH OF EGRESS TRAVEL (IBC TABLE 1006.2.1, NFPA 101 Table A.7.6)

OCCUPANCY	SPRINKLERED	MAX. DISTANCE
B/BUSINESS	YES	100' - 0"
F-1/INDUSTRIAL	YES	100' - 0"
H-4/HIGH-HAZARD	YES	75' - 0"
S-2/STORAGE	YES	100' - 0"

EXIT ACCESS TRAVEL DISTANCE (IBC TABLE 1017.2, NFPA 101 Table A.7.6)

OCCUPANCY	SPRINKLERED	MAX. DISTANCE
B/BUSINESS	YES	300'-0"
F-1/INDUSTRIAL	YES	250'-0"
H-4/HIGH-HAZARD	YES	175'-0"
S-2/STORAGE	YES	400'-0"

DEAD ENDS (IBC 1020.5, NFPA 101 Table A.7.6)

OCCUPANCY	SPRINKLERED	MAX. DISTANCE
B/BUSINESS	YES	50'-0"
F-1/INDUSTRIAL	YES	50'-0"
H-4/HIGH-HAZARD	YES	0' *
S-2/STORAGE	YES	100'-0"

*PER NFPA 400, 6.2.1.4.5.

EXIT CAPACITY FACTORS:

[PER IBC 1005.3, NFPA 101 Table 7.3.3.1]

MINIMUM REQUIRED EGRESS WIDTH :	
STAIRWAYS	*0.3*
OTHER EGRESS COMPONENTS	*0.2*

● SPRINKLERED
○ EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM

[PER NFPA 101, 7.3.3.2]
FOR STAIRWAYS WIDER THAN 44 IN. THE FOLLOWING EQUATION APPLIES:

C = 146.7 + ((Wn - 44)/0.218)

WHERE C = CAPACITY, IN PERSONS, ROUNDED TO THE NEAREST INTEGER
Wn = NOMINAL WIDTH OF THE STAIR AS PERMITTED BY 7.3.2.2

*REFER TO THE LIFE SAFETY PLANS FOR COMPLIANCE WITH MEANS OF EGRESS WIDTH REQUIREMENTS.

LIFE SAFETY SYSTEMS:

(PER IBC AND IFC CHAPTER 9)

AUTOMATIC SPRINKLER SYSTEM :	● PROVIDED PER NFPA 13
ALTERNATIVE AUTOMATIC FIRE-EXTINGUISHING SYSTEMS :	○ PROVIDED - REFER TO FIRE PROTECTION DRAWINGS
STANDPIPE SYSTEM :	○ PROVIDED PER NFPA 14
PORTABLE FIRE EXTINGUISHERS :	● PROVIDED PER NFPA 10
FIRE ALARM SYSTEM :	● PROVIDED PER NFPA 72

MIN. NUMBER OF EXITS FOR OCCUPANT LOAD (IBC TABLE 1006.3.3 / NFPA 101 SECTION 7.4.1.2)

OCCUPANT LOAD	MIN. # OF EXITS PER STORY
1-500	2
501-1,000	3
MORE THAN 1,000	4

ROOMS, AREAS, AND SPACES COMPLYING WITH THE COMMON PATH OF TRAVEL DISTANCE IN TABLE 1006.2.1 WITH EXITS DISCHARGING DIRECTLY TO THE EXTERIOR AT THE LEVEL OF EXIT DISCHARGE ARE PERMITTED TO HAVE ONE EXIT OR ACCESS TO A SINGLE EXIT PER IBC 1006.3.4 AND BASED ON OCCUPANCY CLASSIFICATION PER NFPA 101, 7.4.1.1(1).

CODES / STANDARDS

APPLICABLE CODES/CRITERIA/DESIGN POLICY:

AUTHORITY HAVING JURISDICTION:
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
INDIAN HEALTH SERVICE

REFER TO BUILDING PACKAGE 1 DRAWINGS FOR APPLICABLE CODES AND STANDARDS.

CODE COMPLIANCE APPROACH NARRATIVE

THE PROPOSED BUILDING IS A WASTEWATER TREATMENT PLANT TO SUPPORT THE HON-DAH FACILITIES. REFER TO SHEET G1.1 FOR GENERAL PROJECT INFORMATION.

GRAPHIC LEGEND

PROJECT CODE SUMMARY SYMBOLS

○	ITEM NOT SELECTED
●	ITEM SELECTED

GENERAL FIRE AND LIFE SAFETY SHEET NOTES

A. THE PURPOSE OF THE FIRE AND LIFE SAFETY DRAWINGS IS TO ILLUSTRATE IN SCHEMATIC FASHION, THE APPLICABLE EXITING, FIRE-RESISTANCE, AND LIFE SAFETY CONCEPTS UTILIZED BY THIS PROJECT; INCLUDING, BUT NOT LIMITED TO:
- OCCUPANCY CLASSIFICATIONS
- OCCUPANCY LOAD FACTORS
- EXIT LOCATIONS, EXIT PATHS & CAPACITY - FUNCTION OF SPACE
- FIRE-RESISTANCE RATED CONSTRUCTION
- AND OTHER STRATEGIES RELATED TO THE CODE COMPLIANCE APPROACH OF THIS PROJECT.

B. ADDITIONAL DETAILED REQUIREMENTS APPLY TO THE CONSTRUCTION OF PARTITIONS, FIRE RATED DOOR ASSEMBLIES, INTERIOR GLAZED OPENINGS, DUCTS, SMOKE AND FIRE DAMPERS AND THROUGH PENETRATION FIRE STOPPING. REFER TO THE DRAWINGS OF EACH DISCIPLINE AND THE SPECIFICATIONS FOR THESE REQUIREMENTS.

C. ADDITIONAL DETAILED REQUIREMENTS SHOWN ELSEWHERE MAY REQUIRE CONSTRUCTION HAVING GREATER FIRE RATINGS, MORE EXTENSIVE FIRE-RATED CONSTRUCTION,OR MORE COMPLEX ASSEMBLIES THAN INDICATED BY THE DIAGRAMS ON THIS SHEET. WHEN PROVIDED, THE ADDITIONAL DETAILED REQUIREMENTS SHALL GOVERN.

D. FIRE BARRIERS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE AND SHALL BE SECURELY ATTACHED THERETO. SUCH FIRE BARRIERS SHALL BE CONTINUOUS THROUGH CONCEALED SPACES.

E. SHAFT ENCLOSURES SHALL BE CONSTRUCTED AS FIRE BARRIERS.

F. FIRE PARTITIONS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE OR TO THE FIRE-RESISTANCE-RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY ABOVE, AND SHALL BE SECURELY ATTACHED THERETO.

BUILDING HEIGHT AND AREA CALCULATION

	BUILDING HEIGHT *FEET/STORIES*		BUILDING AREA PER FLOOR *SQUARE FEET*			BUILDING TOTAL AREA *SQUARE FEET*	
OCCUPANCY	ALLOWABLE	ACTUAL	NS	W/ FRONTAGE	ACTUAL	ALLOWABLE	ACTUAL
F-1 H-4	55 / 2 55 / 3	40'-5" / 1	15,500 17,500	N/A	10,743	15,500	10,743

FIRE PROTECTION AND LIFE SAFETY SYSTEMS

FIRE ALARM SYSTEM
DESIGN INCLUDES AN ADDRESSABLE FIRE ALARM SYSTEM. THE SYSTEM IS DESIGNED IN ACCORDANCE WITH IBC 907 AND NFPA 72.

FIRE SUPPRESSION
AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED THROUGHOUT THE BUILDING. THE SPRINKLER SYSTEM SHALL BE MONITORED BY THE BUILDING FIRE ALARM SYSTEM. THE SYSTEM SHALL BE DESIGNED, INSTALLED, AND TESTED IN ACCORDANCE WITH IBC 903 AND NFPA 13.

EMERGENCY ALARM SYSTEM
AN EMERGENCY ALARM SYSTEM SHALL BE PROVIDED FOR GROUP H-4 OCCUPANCIES. THE EMERGENCY ALARM SYSTEM SHALL BE MONITORED BY THE BUILDING FIRE ALARM SYSTEM. THE SYSTEM SHALL BE DESIGNED, INSTALLED, AND TESTED IN ACCORDANCE WITH IBC 908.

NOTE: SYSTEMS ARE NOTED ABOVE FOR REFERENCE. REFER TO THE RESPECTIVE SYSTEM DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS.

PROJECT FIRE AND LIFE SAFETY SHEET NOTES

A. INTERIOR WALL & CEILING FINISHES SHALL HAVE A FLAME SPREAD INDEX RATING OF CLASS B AT VERTICAL EXITS & EXIT PASSAGEWAYS AND EXIT ACCESS CORRIDORS AND OTHER EXITWAYS.

B. INTERIOR WALL & CEILING FINISHES SHALL HAVE A FLAME SPREAD INDEX RATING OF NO MORE THAN CLASS C AT ROOMS AND ENCLOSED SPACES.

C. ALL MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING INDEX NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50.

D. FIRE EXTINGUISHERS SHALL BE LOCATED SUCH THAT A MAXIMUM TRAVEL DISTANCE OF 75' OR THE NFPA 10 TRAVEL DISTANCE LIMIT BASED ON THE PROTECTED HAZARD, WHICHEVER IS SHORTER, SHALL NOT BE EXCEEDED.

E. LEVEL/AREA MAIN OCCUPANCY EXIT SIGN LOCATIONS MAY NOT BE SHOWN. REFERENCE ELECTRICAL SHEETS FOR ALL EXIT SIGN LOCATIONS.

F. FIRE RESISTIVE ASSEMBLY DETAILS, IF APPLICABLE, ARE LOCATED ELSEWHERE IN THIS DRAWING SET PER THE SHEET INDEX.

PORTABLE FIRE EXTINGUISHERS

DESIGN INCLUDES CABINETS AND WALL BRACKETS FOR PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY *IBC 906.* DESIGN LOCATES EXTINGUISHERS ALONG NORMAL PATHS OF TRAVEL THAT ARE NOT OBSTRUCTED OR OBSCURED FROM VIEW. DESIGN INCLUDES CABINETS LISTED FOR USE IN RATED CONSTRUCTION WHEN INSTALLED IN FIRE-RESISTANCE RATED WALLS.

REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS.

REFER TO THE TABLES BELOW FOR MINIMUM EXTINGUISHER SIZES, MAXIMUM FLOOR AREAS, AND MAXIMUM TRAVEL DISTANCES.

SIZE AND DISTRIBUTION - CLASS A FIRE HAZARDS *(NFPA 10 TABLE 6.2.1.1, IBC TABLE 906.3(1))*

HAZARD OCCUPANCY	LIGHT (LOW)	ORDINARY (MODERATE)	EXTRA (HIGH)
MINIMUM SINGLE EXTINGUISHER RATING	2-A	2-A	4-A
MAXIMUM FLOOR AREA PER UNIT OF A	3,000 SF	1,500 SF	1,000 SF
MAXIMUM FLOOR AREA PER EXTINGUISHER	11,250 SF	11,250 SF	11,250 SF
MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER [2]	75 FT	75 FT	75 FT

SIZE AND DISTRIBUTION - CLASS B FIRE HAZARDS [1] *(NFPA 10 TABLE 6.3.1.1, IBC TABLE 906.3(2))*

HAZARD OCCUPANCY	LIGHT (LOW) < 1 GAL		ORDINARY (MODERATE) 1-5 GAL		EXTRA (HIGH) > 5 GAL	
MINIMUM EXTINGUISHER RATING	5-B	10-B	10-B	20-B	40-B	80-B
MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER [2]	30 FT	50 FT	30 FT	50 FT	30 FT	50 FT

[1] EXTINGUISHER REQUIREMENTS SHOWN ARE VALID FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS WITH A DEPTH OF 0.25 INCHES OR LESS.
[2] TRAVEL DISTANCE TO FIRE EXTINGUISHERS SHALL BE MEASURED ALONG NORMAL PATHS OF TRAVEL.

INTERIOR FINISHES

DESIGN INCLUDES INTERIOR FINISHES THAT COMPLY WITH *IBC CHAPTER 8* AND THE MINIMUM CLASSIFICATIONS NOTED BELOW. MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS ARE LIMITED TO A FLAME SPREAD RATING INDEX OF ≤25 AND A SMOKE DEVELOPED RATING OF ≤50.

DESIGN INCLUDES A FULLY-SPRINKLERED BUILDING. CLASS II MATERIALS ARE THEREFORE PERMITTED IN ANY AREA WHERE CLASS I MATERIALS ARE REQUIRED AND MATERIALS COMPLYING WITH DOC FF-1 "PILL TEST" OR WITH ASTM D2859 ARE PERMITTED IN ANY AREA WHERE CLASS II MATERIALS ARE REQUIRED. TABLE BELOW REFLECTS VALUES FOR A FULLY-SPRINKLERED BUILDING.

OCCUPANCY	FLOORS	INTERIOR EXIT ENCLOSURES	CORRIDORS AND EXIT ACCESS ENCLOSURES	ROOMS AND ENCLOSED SPACES
F-1	II	CLASS C	CLASS C	CLASS C
B	II	CLASS B	CLASS C	CLASS C
S-2	II	CLASS C	CLASS C	CLASS C
H-4	II	CLASS B	CLASS B	CLASS C

DEPARTMENT OF HEALTH & HUMAN SERVICES, USA
INDIAN HEALTH SERVICE · PHS · 1955

IHS Whiteriver Hospital

200 W Hospital Drive
Whiteriver, Arizona, 85941

IHS Project #: 131445
IHS Contract #: 75H70123R00008
IHS Award Date: 02/02/2024

BUILDING PACKAGE 3 (BP3)
HON-DAH UTILITY CAMPUS

BASED ON PROGRAM OF REQUIREMENTS DATED [**03/26/22**], POR AMENDMENT DATED [**02/03/25**], AND ON SCHEMATIC DRAWINGS APPROVED [**11/19/24**].

SMITHGROUP

455 NORTH THIRD STREET
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PHOENIX, AZ 85004
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smithgroup.com

ISSUED FOR	DATE
FINAL CONSTRUCTION DOCUMENTS	23JAN26

SEALS AND SIGNATURES

Registered Professional Engineer (Fire)
CERTIFICATE NO.
74163
ANDREW J.
OCHSANKEHL
2026-01-23
DATE SIGNED
ARIZONA USA

BUILDING CODE SUMMARY

Drawn By: NIGAM
Checked By: OCHSANKEHL

14904.000
PROJECT NUMBER

BP3
G2.0.0
SHEET NUMBER

Plot Date: 1/6/2026 2:31:18 PM NIGAM

HAZARDOUS MATERIAL APPROACH

A CHEMICAL STORAGE AREA (CHEMICAL 1003) WILL BE PROVIDED FOR PURPOSES OF WASTE WATER TREATMENT. 12.5% SODIUM HYPOCHLORITE, 25% SODIUM HYDROXIDE (HEALTH HAZARD 3), MICRO C2000, AND 48% ALUMINUM SULFATE WILL BE STORED WITHIN THE CHEMICAL STORAGE AREA, WITH AMOUNTS EXCEEDING THE VALUES FOUND IN IBC TABLE 307.1(2) AND NFPA 400 TABLE 5.2.1.1.3. SODIUM HYPOCHLORITE, SODIUM HYDROXIDE, AND ALUMINUM SULFATE ARE CORROSIVES. MICRO C2000 IS NOT CLASSIFIED AS TOXIC, HIGHLY TOXIC, OR CORROSIVE.

CHEMICAL 1003 WILL BE CLASSIFIED AS A GROUP H-4 OCCUPANCY CONTAINING CORROSIVE MATERIALS CLASSIFIED AS HIGH-HAZARD CONTENT LEVEL 4 IN ACCORDANCE WITH NFPA 400, 4.2.1.2.4. CHEMICAL 1003 WILL COMPLY WITH SECTIONS 414 AND 415 OF THE IBC, CHAPTERS 50 AND 54 OF THE IFC, AND CHAPTERS 4-6 AND CHAPTER 12 OF NFPA 400. CHEMICAL 1003 WILL BE SEPARATED FROM THE REMAINDER OF THE BUILDING BY 1-HOUR FIRE BARRIERS AS REQUIRED BY IBC 508.4 AND NFPA 400 TABLE 6.2.1.3.

DESIGN INCLUDES AN AUTOMATIC FIRE DETECTION SYSTEM PER IBC 415.3, AN AUTOMATIC SPRINKLER SYSTEM PER IBC 415.4 AND NFPA 400 6.2.1.1, AND AN EMERGENCY ALARM SYSTEM PER IBC 415.5. THE AUTOMATIC SPRINKLER SYSTEM WILL BE DESIGNED FOR ORDINARY HAZARD GROUP 2 WITH MINIMUM DESIGN AREA OF 3,000 SF PER IBC 5004.5 AND NFPA 400, 6.2.1.1.1.

DESIGN INCLUDES LIQUID-TIGHT, NONCOMBUSTIBLE FLOOR CONSTRUCTION PER IBC 415.10.3 AND NFPA 400, 6.2.1.9.2.

DESIGN INCLUDES APPROVED TANKS TO STORE HAZARDOUS CHEMICALS. DESIGN INCLUDES TANKS GREATER THAN 500 GALLONS, THEREFORE LIQUID-LEVEL LIMIT CONTROL WILL BE PROVIDED IN ACCORDANCE WITH IFC 5003.2.7 AND NFPA 400 6.3.1.2.4 WITH AN ALARM BEACON THAT SOUNDS WHEN 95% AND MAX FILL LEVEL IS REACHED. DESIGN INCLUDES SPILL CONTROL AND SECONDARY CONTAINMENT IN ACCORDANCE WITH IFC 5004.2 AND NFPA 400, 6.2.1.9.2 AND 6.2.1.9.3. CONCRETE BASINS WILL BE PROVIDED FOR THE TANKS AND ARE SIZED TO INCLUDE FIRE SPRINKLER FLOW OF 44 GPM FOR 20 MINUTES IN ADDITION TO THE FULL TANK VOLUME. MANUFACTURED PALLETS WILL BE PROVIDED FOR THE TOTES. MONITORING WILL BE ACHIEVED THROUGH VISUAL INSPECTION IN ACCORDANCE WITH IFC 5004.2.2.5 AND NFPA 400, 6.2.1.9.3.7. LIQUIDS WILL BE TRANSFERRED IN ACCORDANCE WITH IFC 5005.1.10 AND NFPA 400, 6.3.1.7.

DESIGN INCLUDES MECHANICAL EXHAUST VENTILATION IN ACCORDANCE WITH IFC 5004.3 AND NFPA 400, 6.2.1.5. THE MATERIALS STORED DO NOT REQUIRE TEMPERATURE AND PRESSURE CONTROL PER IFC 5004.8 NFPA 400, 6.2.1.7. MECHANICAL VENTILATION, ALARM, AND DETECTION SYSTEMS WILL BE PROVIDED WITH EMERGENCY OR STANDBY POWER.

DOORS SERVING HIGH-HAZARD CONTENT AREAS SHALL BE PROVIDED WITH PANIC HARDWARE PER IBC 1010.2.8 AND NFPA 400, 6.2.1.4.6. DOORS WILL SWING IN THE DIRECTION OF TRAVEL PER IBC 1010.1.2.1.

APPROPRIATE SIGNAGE WILL BE PROVIDED FOR ALL STORAGE AND USE OF HAZARDOUS MATERIALS.

THE ANTICIPATED QUANTITY OF HAZARDOUS MATERIALS PROVIDED BY MORRISON-MAIERLE IS AS FOLLOWS:
SODIUM HYDROXIDE (HEALTH HAZARD 3): 1,000 GALLON TANK (ESTIMATED STORAGE AMOUNT: 750 GALLONS)
ALUMINUM SULFATE (HEALTH HAZARD 1): 1,000 GALLON TANK (ESTIMATED STORAGE AMOUNT: 750 GALLONS)
MICROC 2000: 1,000 GALLON TANK
SODIUM HYPOCHLORITE (HEALTH HAZARD 3): (2) 275 GALLON TOTES

BUILDING OCCUPANT LOAD

FUNCTION OF SPACE	AREA/OCC	OCC LOAD	AREA
LEVEL 1			
ACCESSORY MECHANICAL AND STORAGE AREAS	300 GSF	2	492 SF
BUSINESS USE - GENERAL	150 GSF	6	764 SF
INDUSTRIAL USE	100 GSF	86	8306 SF
		94	9561 SF

NOTE: AREAS USED ON LIFE SAFETY DRAWINGS ARE FOR CALCULATION OF OCCUPANT LOADS ONLY. AREAS SHOWN MAY DIFFER FROM GROSS BUILDING AREA.

OCCUPANCY CLASSIFICATION	GROSS AREA	% OF FLOOR
LEVEL 1		
BUSINESS (B)	780 SF	7%
FACTORY INDUSTRIAL (F-1)	8849 SF	82%
HIGH HAZARD (H-4)	623 SF	6%
STORAGE (S-2)	492 SF	5%
	10743 SF	100%

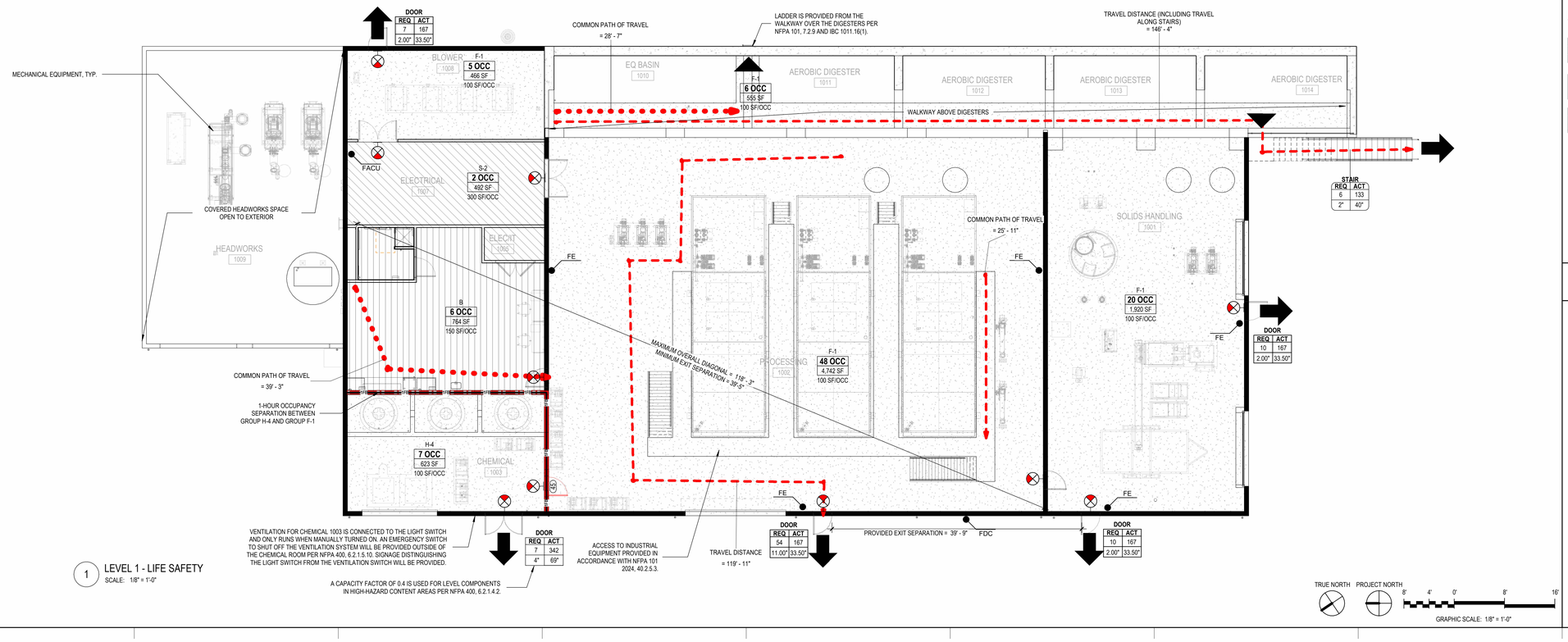
NFPA 400 TABLE 5.2.1.1.3 MAXIMUM ALLOWABLE QUANTITY OF HAZARDOUS MATERIALS PER CONTROL AREA

Level 1	First Story Above Grade		
Max. No. of Control Areas is	4	Fully-Sprinklered?	Yes
Fraction of MAQ Permitted is	100.0%	Storage in Approved Cabinets?	Yes

			Storage			Use in Closed Systems			Use in Open Systems	
Material	**Class**	**High Hazard Protection Level**	**Solid Pounds / Cubic Feet**	**Liquid Gallons / Pounds**	**Gas Cu. Ft. at NTP**	**Solid Pounds / Cubic Feet**	**Liquid Gallons / Pounds**	**Gas Cu. Ft. at NTP**	**Solid Pounds / Cubic Feet**	**Liquid Gallons / Pounds**
Physical Hazard Materials										
Cryogenic Fluid	Flammable	2	N/A	45	N/A	N/A	45	N/A	N/A	45
	Oxidizing	3	N/A	180	N/A	N/A	180	N/A	N/A	180
Flammable Gas	Gaseous	2	N/A	N/A	4000	N/A	N/A	4000	N/A	N/A
	Liquefied		N/A	N/A	*600*	N/A	*600*	N/A	N/A	N/A
	Liquefied Petroleum (LP)		N/A	N/A	*300*	N/A	*300*	N/A	N/A	N/A
Ignitable (Flammable or Combustible Liquid)	1A	3	N/A	120	N/A	N/A	N/A	N/A	N/A	N/A
	1B and 1C	3	N/A	480	N/A	N/A	N/A	N/A	N/A	N/A
	Combination (1A, 1B, 1C)	3	N/A	480	N/A	N/A	N/A	N/A	N/A	N/A
	II	3	N/A	480	N/A	N/A	N/A	N/A	N/A	N/A
	IIIA	3	N/A	1320	N/A	N/A	N/A	N/A	N/A	N/A
	IIIB	N/A	N/A	Unlimited	N/A	N/A	N/A	N/A	N/A	N/A
Flammable Solid	N/A	3	500	N/A	N/A	250	N/A	N/A	100	N/A
Organic Peroxide	I	2	64	*64*	N/A	32	*32*	N/A	16	*16*
	IIA	3	400	*400*	N/A	400	*400*	N/A	100	*100*
	IIB	3	1600	*1600*	N/A	1600	*1600*	N/A	400	*400*
	III	3	3360	*3360*	N/A	3360	*3360*	N/A	1680	*1680*
	IV	N/A	Unlimited	Unlimited	N/A	Unlimited	Unlimited	N/A	Unlimited	Unlimited
	V	N/A	Unlimited	Unlimited	N/A	Unlimited	Unlimited	N/A	Unlimited	Unlimited
Oxidizer	4	1	2	*2*	N/A	0.25	*0.25*	N/A	0.25	*0.25*
	3	2 or 3	40	*40*	N/A	4	*4*	N/A	4	*4*
	2	3	1000	*1000*	N/A	500	*500*	N/A	100	*100*
	1	N/A	Unlimited	*Unlimited*	N/A	Unlimited	*Unlimited*	N/A	Unlimited	*Unlimited*
Oxidizing Gas	Gaseous	3	N/A	*N/A*	6000	N/A	*N/A*	6000	N/A	
	Liquefied		N/A	*600*	N/A		*600*	N/A		
Pyrophoric	N/A	2	*8*	*8*	N/A	*1*	*1*	N/A	NP	NP
Pyrophoric gas	Gaseous	2	N/A	*N/A*	100	N/A	*N/A*	100	N/A	*N/A*
	Liquefied	2	N/A	*N/A*	*8*	N/A	*N/A*	*8*	N/A	N/A
Unstable (Reactive)	4	1	2	*2*	N/A	0.25	*0.25*	N/A	0.25	*0.25*
	3	1 or 2	20	*20*	N/A	2	*2*	N/A	2	*2*
	2	2	200	*200*	N/A	100	*100*	N/A	20	*20*
	1	N/A	Unlimited	Unlimited	N/A	Unlimited	Unlimited	N/A	Unlimited	Unlimited
Unstable (Reactive) Gas	Gasesous 4 or 3 detonable	1	N/A	*N/A*	20	N/A	*N/A*	20	N/A	*N/A*
	3 non detonable	2	N/A	*N/A*	200	N/A	*N/A*	200	N/A	*N/A*
	2	3	N/A	*N/A*	3000	N/A	*N/A*	3000	N/A	*N/A*
	1	N/A	N/A	N/A	Unlimited	N/A	N/A	Unlimited	N/A	N/A
Unstable (Reactive) Gas	Liquefied 4 or 3 detonable	1	N/A	*N/A*	*2*	N/A	*N/A*	*2*	N/A	*N/A*
	3 non detonable	2	N/A	*N/A*	*8*	N/A	*N/A*	*8*	N/A	*N/A*
	2	3	N/A	*N/A*	*600*	N/A	*N/A*	*600*	N/A	*N/A*
	1	N/A	N/A	N/A	Unlimited	N/A	N/A	Unlimited	N/A	N/A
Water Reactive	3	2	20	*20*	N/A	10	*10*	N/A	2	*2*
	2	3	200	*200*	N/A	100	*100*	N/A	20	*20*
	1	N/A	Unlimited	Unlimited	N/A	Unlimited	Unlimited	N/A	Unlimited	Unlimited
Health Hazard Materials										
Corrosive	N/A	4	20,000	2000		20,000	2000		2,000	200
Corrosive Gas	Gaseous	4	N/A	N/A	3240	N/A	N/A	3240	N/A	N/A
	Liquefied	4	N/A	N/A	*600*	N/A	N/A	*600*	N/A	N/A
Highly Toxic	N/A	4	40	*40*		20	*20*		6	*6*
Highly Toxic Gas	Gaseous	4	N/A	N/A	40	N/A	N/A	40	N/A	N/A
	Liquefied	4	N/A	N/A	*8*	N/A	N/A	*8*	N/A	N/A
Toxic	N/A	4	2000	*2000*		1000	*1000*		250	*250*
Toxic Gas	Gaseous	4	N/A	N/A	3240	N/A	N/A	3240	N/A	N/A
	Liquefied	4	N/A	N/A	*600*	N/A	N/A	*600*	N/A	N/A

NOTES

1. All quantities shown here are based on 2025 NFPA 400, and include applicable increases for sprinkler protection and storage in appropriate containers or cabinets, if presence of sprinklers and use of such containers is indicated at the top of this table.
2. Combustible metals and explosives have been omitted as they are not governed by NFPA 400. No combustible dusts or explosives are anticipated within the building.
3. Inert gases and inert cryogenics have been omitted as they have unlimited quantities in all forms. All quantities shown here are based on 2025 NFPA 400.
4. Underlined values represent the alternate unit.



1 LEVEL 1 - LIFE SAFETY
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

A. THE PURPOSE OF THE FIRE AND LIFE SAFETY DRAWINGS IS TO ILLUSTRATE IN SCHEMATIC FASHION, THE APPLICABLE EXITING, FIRE-RESISTANCE, AND LIFE SAFETY CONCEPTS UTILIZED BY THIS PROJECT; INCLUDING, BUT NOT LIMITED TO:
- OCCUPANCY CLASSIFICATIONS
- OCCUPANCY LOAD FACTORS AND OCCUPANT LOADS
- EXIT LOCATIONS, EGRESS PATHS, AND EGRESS CAPACITY
- FIRE-RESISTANCE RATED COMPARTMENTATION
- OTHER ELEMENTS RELATED TO THE CODE-COMPLIANCE STRATEGY FOR THIS PROJECT

B. ADDITIONAL DETAILED REQUIREMENTS APPLY TO THE CONSTRUCTION OF ELEMENTS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING ELEMENTS:
- PARTITIONS AND FIRE-RATED DOOR ASSEMBLIES
- INTERIOR AND EXTERIOR GLAZED OPENINGS
- DUCTS, SMOKE DAMPERS, AND FIRE DAMPERS
- THROUGH-PENETRATION FIRE STOPPING
- FLOORS AND SUPPORTING STRUCTURE

REFER TO THE DRAWINGS OF EACH DISCIPLINE AND THE SPECIFICATIONS FOR THESE REQUIREMENTS.

C. ADDITIONAL DETAILED REQUIREMENTS SHOWN ELSEWHERE MAY REQUIRE MORE EXTENSIVE FIRE-RATED CONSTRUCTION, MORE COMPLEX ASSEMBLIES, OR CONSTRUCTION HAVING GREATER FIRE RESISTANCE THAN INDICATED BY THE DIAGRAMS ON THIS SHEET. WHEN PROVIDED, THE ADDITIONAL DETAILED REQUIREMENTS SHALL GOVERN.

GRAPHIC LEGEND

FIRE-RESISTANCE-RATED ASSEMBLIES
- 1 HOUR FIRE-RESISTANCE RATING
- 1 HOUR FIRE BARRIER

OCCUPANT LOAD SYMBOLS
- F-1 — OCCUPANCY CLASSIFICATION
- 10 OCC — OCCUPANT LOAD
- 95,000 SF — AREA OF SPACE
- XX SF/OCC — OCCUPANT LOAD FACTOR

EXIT ACCESS AND DISCHARGE SYMBOLS
- EXIT ACCESS
- EXIT DISCHARGE

DEAD ENDS, COMMON PATH, AND EXIT ACCESS TRAVEL DISTANCES
- DEAD END CORRIDOR/AISLE
- COMMON PATH OF TRAVEL
- EXIT ACCESS TRAVEL DISTANCE
- PATH ID / LENGTH — PATH IDENTIFIER (TYP, ALL TYPES)

EGRESS CAPACITY SYMBOLS
- DOOR: REQUIRED CAPACITY (REQ) / ACTUAL CAPACITY (ACT); CALCULATED CLEAR WIDTH REQUIRED (RCP) / ACTUAL CLEAR WIDTH (ACP); RWP / AWP
- STAIR: REQUIRED CAPACITY (REQ) / ACTUAL CAPACITY (ACT); CALCULATED CLEAR WIDTH REQUIRED (RCP) / ACTUAL CLEAR WIDTH (ACP); RWP / AWP

EXIT SIGN SYMBOLS
- EXIT SIGN - WALL/CEILING MOUNTED DIRECTIONAL ARROWS AS INDICATED SHADING INDICATES ILLUMINATED FACE REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS.

FIRE PROTECTION FEATURES
- FE — FIRE EXTINGUISHER ON BRACKET
- FKS — FIREFIGHTER KEYSAFE
- FACU — FIRE ALARM CONTROL UNIT
- FDC — FIRE DEPARTMENT CONNECTION

FUNCTION OF SPACE LEGEND

- ACCESSORY MECHANICAL AND STORAGE AREAS (300 GSF/PERSON)
- BUSINESS USE - GENERAL (150 GSF/PERSON)
- INDUSTRIAL USE (100 GSF/PERSON)

EGRESS DISTANCES

LEVEL 1	
TRAVEL DISTANCE	119' - 11"
COMMON PATH OF TRAVEL	39' - 3"
COMMON PATH OF TRAVEL	28' - 7"
TRAVEL DISTANCE (INCLUDING TRAVEL ALONG STAIRS)	141' - 3"
COMMON PATH OF TRAVEL	25' - 11"

DEPARTMENT OF HEALTH & HUMAN SERVICES · INDIAN HEALTH SERVICE · IHS · 1955

IHS Whiteriver Hospital

200 W Hospital Drive
Whiteriver, Arizona, 85941

IHS Project #: 131445
IHS Contract #: 75H70123R00008
IHS Award Date: 02/02/2024

BUILDING PACKAGE 3 (BP3)
HON-DAH UTILITY CAMPUS

BASED ON PROGRAM OF REQUIREMENTS DATED [**03/26/22**], POR AMENDMENT DATED [**02/03/25**], AND ON SCHEMATIC DRAWINGS APPROVED [**11/19/24**].

SMITHGROUP

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ISSUED FOR	DATE
FINAL CONSTRUCTION DOCUMENTS	23JAN26

SEALS AND SIGNATURES

Arizona State Board of Technical Registration — CERTIFICATE NO. 74163 — ANDREW J. OCHSANKEHL — 2026-01-23 — REGISTERED ARCHITECT

FIRE LIFE SAFETY PLANS

Drawn By: NIGAM
Checked By: OCHSANKEHL
14904.000

PROJECT NUMBER
BP3

G2.2.1
SHEET NUMBER

Plot Date: 1/6/2026 2:31:27 PM NIGAM