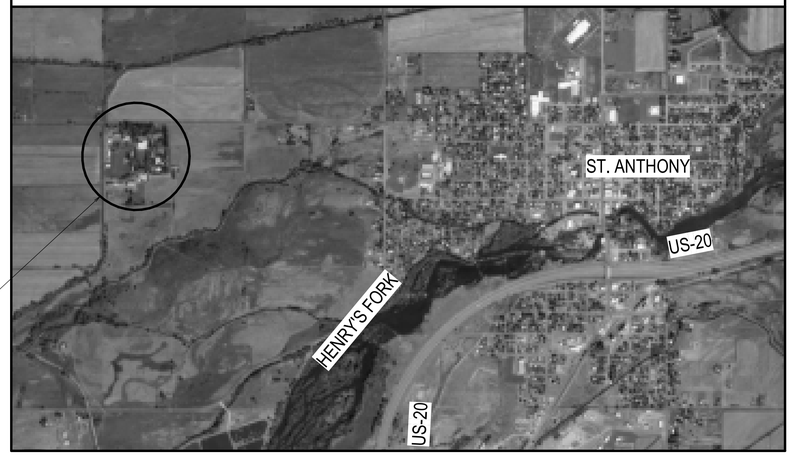
DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

VICINITY MAP



CONSTRUCTION SITE

SYMBOLS LEGEND

DETAIL NUMBER
SECTION TITLE TAG
PAGE NUMBER
SECTION — SCALE: ?" = 1'-0"

DETAIL NUMBER
DETAIL TITLE TAG
PAGE NUMBER
DETAIL — SCALE: ?" = 1'-0"

DETAIL NUMBER
INT. ELEV. TITLE TAG
PAGE NUMBER
ELEVATION — SCALE: ?" = 1'-0"

DETAIL NUMBER
EXT. ELEV. TITLE TAG
PAGE NUMBER
ELEVATION — SCALE: ?" = 1'-0"

MAIN TITLE TAG
TITLE — SCALE: ?" = 1'-0"

ELEVATION TAG
ELEV. 100'-0"
FINISHED FLOOR

BREAK LINE

SECTION NUMBER
SECTION TAG
PAGE NUMBER

DETAIL NUMBER
DETAIL TAG
PAGE NUMBER
(1 / SIM / A101)

DETAIL NUMBER
INTERIOR ELEV. TAG
PAGE NUMBER
(57 / A5.1 / 57 / 57)

ROOM NAME
ROOM NAME TAG
ROOM NUMBER
(ROOM)

NORTH ARROW
(N)

REVISION TAG
(1)

CEILING TYPE
CEILING TAG
CEILING HEIGHT
(C1 / 1'- 0")

DOOR TYPE TAG
(D-)

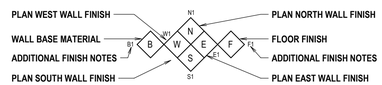
WINDOW TYPE TAG
(W-)

FLOOR TYPE TAG
(F-)

ROOF TYPE TAG
(R-)

STRUCTURAL MATERIAL TYPE - CSI DIVISIONS
STRUCTURAL MATERIAL WIDTH
WALL TYPE TAG
WALL'S FIRE RATING IN HOURS
UNIQUE WALL TYPE CONFIGURATION
(6.4A-1)

ROOM FINISHES TAG



BASE BID

- DEMOLISH SUPERINTENDENT RESIDENCE AT NORTHEAST CORNER
- BUILD NEW BITTERROOT COTTAGE IN NEW LOCATION

ALTERNATE NO. 1

- DEMOLISH EXISTING TARGHEE COTTAGE
- BUILD NEW TARGHEE COTTAGE IN SAME LOCATION

ALTERNATE NO. 2

- DEMOLISH EXISTING CENTENNIAL COTTAGE AND BIO BUILDING
- BUILD NEW CENTENNIAL COTTAGE IN SAME LOCATION
- DEMOLISH EXISTING BITTERROOT COTTAGE

ABBREVIATIONS

#	- NUMBER OR POUND	HVAC	- HEATING, VENTILATING, & AIR CONDITION
&	- AND	I.D.	- INSIDE DIAMETER
A.F.F.	- ABOVE FINISH FLOOR	I.M.P.	- INSULATED METAL PANEL
AL	- ALUMINUM	INSUL.	- INSULATION
ALUM.	- ALUMINUM	INT.	- INTERIOR
B.O.	- BOTTOM OF	MAX.	- MAXIMUM
CMU	- CONCRETE MASONRY UNIT	MECH.	- MECHANICAL
CONC.	- CONCRETE	MFR	- MANUFACTURER
CONT.	- CONTINUOUS	MIN.	- MINIMUM
DEMO.	- DEMOLITION OR DEMOLISH	N.I.C.	- NOT IN CONTRACT
DIA.	- DIAMETER	NO.	- NUMBER
DN	- DOWN	O.C.	- ON CENTER
EA.	- EACH	O.D.	- OUTSIDE DIAMETER
EIFS	- EXTERIOR INSULATION & FINISHING SYSTEM	PLY	- PLYWOOD
ELEC.	- ELECTRICAL	PLUM.	- PLUMBING
ELEV.	- ELEVATION	PVC	- POLYVINYL CHLORIDE
EQ.	- EQUAL	RCP	- REFLECTED CEILING PLAN
EQUIP.	- EQUIPMENT	REQ'D	- REQUIRED
EXT.	- EXTERIOR	SIM.	- SIMILAR
F.F.	- FINISH FLOOR	SPM	- SINGLE PLY MEMBRANE
FRP	- FIBERGLASS REINFORCED PLASTIC	STOR.	- STORAGE
GA.	- GAUGE	STRUCT.	- STRUCTURAL
GYP.	- GYPSUM	T.O.	- TOP OF
H.M.	- HOLLOW METAL	TYP.	- TYPICAL
HR	- HOUR	U.N.O.	- UNLESS NOTED OTHERWISE
		W/	- WITH
		W.C.	- WATER CLOSET
		WD	- WOOD

DESIGN TEAM

ARCHITECT:	JAMES WYATT, AIA NBW ARCHITECTS, P.A. 990 JOHN ADAMS PARKWAY IDAHO FALLS, IDAHO 83403 PHONE: (208) 522-8779 EMAIL: JHW@NBWARCHITECTS.COM
CIVIL ENGINEER:	RILEY BRADSHAW, PE KELLER ASSOCIATES, INC. 3153 McNEIL DRIVE IDAHO FALLS, IDAHO 83402 PHONE: (208) 656-1587 EMAIL: RBRADSHAW@KELLERASSOCIATES.COM
STRUCTURAL ENGINEER:	MARK ANDRUS, PE G & S STRUCTURAL ENGINEERS 505 LINDSAY BOULEVARD IDAHO FALLS, IDAHO 83402 PHONE: (208) 523-6918 EMAIL: MARK@GSENGINEERS.NET
MECHANICAL/PLUMBING ENGINEER:	DAVE HANSEN, PE ENGINEERED SYSTEMS ASSOCIATES 1355 EAST CENTER POCATELLO, IDAHO 83201 PHONE: (208) 233-0501 EMAIL: DCS@ENGSYSTEMS.COM
ELECTRICAL ENGINEER:	MATTHEW N. BRADLEY, PE MUSGROVE ENGINEERING, P.A. 645 W 25TH STREET IDAHO FALLS, IDAHO 83402 PHONE: (208) 523-2862 EMAIL: MATTB@MUSGROVEPA.COM

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Agency Construction Approval

CONSTRUCTION APPROVAL BY RESPONSIBLE CHIEF OFFICER OF INSTITUTION OR AGENCY

(IDAHO CODE 67-5710)

This is to indicate that I or my delegated staff have reviewed the final plans and specifications for:
2021725 DJC: St. Anthony Cottages

DPW Project No.
2021725

This project incorporates the required program elements within the funding limitations authorized, and authorize the Division of Public Works to proceed with bidding of the project. If acceptable bids are received, I will approve awarding a contract and construction of the facilities in accordance with the plans and specifications.

Agency:
Department of Juvenile Corrections

Agency Signature Authority:
Scott Johnson

Due: 24-Feb-2023

Approval **Approved**

	Name or Role	Status	Actions
1	Agency - Signature Authority	**Approved** Scott Johnson 26-Jan-2023 11:53 AM MST	
2	Project Manager	**Approved** Gary Groff 26-Jan-2023 02:35 PM MST	
3	Project Manager Senior	**Approved** Kelly Berard (SR PM) 17-Feb-2023 01:40 PM MST	
4	DPW Administrator	**Approved** Pat Donaldson 17-Feb-2023 03:00 PM MST	

LICENSED ARCHITECT
JAMES W. WYATT
JW-15239
STATE OF IDAHO
02/01/2023

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
990 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8779 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445
GENERAL INFORMATION

PROJECT:

SHEET TITLE:

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:
G1.0

3/29/2023 10:00:35 AM N:\Projects\Other\DPW\DPW 21-725 JCC Cottages - 21023\CAD\Drawings\21023 A1.1_03-17-23.rvt

CODE ANALYSIS

GOVERNING CODES:

2018 INTERNATIONAL BUILDING CODE, WITH AMENDMENTS
2018 INTERNATIONAL ENERGY CONSERVATION CODE, WITH AMENDMENTS COLLECTIVELY NAMED THE IDAHO ENERGY CONSERVATION CODE (2020 EDITION)
2017 NEC WITH AMENDMENTS
2018 INTERNATIONAL MECHANICAL CODE
2017 IDAHO STATE PLUMBING CODE BASED ON THE 2015 UNIFORM PLUMBING CODE
2018 INTERNATIONAL FIRE CODE

CONSTRUCTION TYPE:

TYPE V-B, 100% FIRE SPRINKLED

BUILDING OCCUPANCY:

I-3, CONDITION 4

BUILDING INFORMATION:

HEIGHT OF BUILDING: 28'
NUMBER OF STORIES: 1

ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE PER TABLE 504.4 : I-3 OCCUPANCY GROUP AND TYPE V-B CONSTRUCTION EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 = 2

1 < 2 = OK

TOTAL BUILDING AREA :

MAIN FLOOR 10,434 SQFT

ALLOWABLE AREA CALCULATIONS:

ALLOWABLE AREA PER TABLE 506.2 :
I-3 OCCUPANCY GROUP AND TYPE V-B CONSTRUCTION BUILDINGS TWO OR MORE STORIES ABOVE GRADE PLANE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 = 15,000 SQFT

10,434 SQFT < 15,000 SQFT = OK

FIRE RESISTANCE HOUR-RATING FOR BUILDING ELEMENTS:

1-HOUR CORRIDOR REQUIRED FOR I-3

REFUGE AREA REQUIRED AT DAY ROOMS:

60 SQFT EACH

COMMON PATH OF EGRESS TRAVEL DISTANCE:

TABLE 1006.2.1:
I-3 OCCUPANY = 100'
ACTUAL DISTANCE = 50'
50' < 100' = OK

EXIT ACCESS TRAVEL DISTANCE WITH SPRINKLER SYSTEM:

MAXIMUM PERMITTED DISTANCE = 200'
ACTUAL DISTANCE = 102'
102' < 200' = OK

ADDITIONAL CODE INFORMATION:

MINIMUM DOOR WIDTH PER SECTION 408.3.2 - 28" MIN

POWER OPERATED LOCKS FOR SWINGING DOORS PER SECTION 408.4.2 - EMERGENCY POWER SHALL BE PROVIDED TO POWER OPERATED LOCKS

SMOKE BARRIER PER SECTION 408.6 AND 709 - 1 HR OR .10 STEEL

SMOKE COMPARTMENTS PER SECTION 408.6.1 - NO MORE THAT 200 OCCUPANTS PER COMPARTMENT

REFUGE AREA PER SECTION 408.6.2 - MINIMUM OF 6 SQ. FT. PER OCCUPANT ON EACH SIDE OF THE SMOKE BARRIER.

DEAD END CORRIDOR PER SECTION 1020.4 - NONE OVER 50'-0"

PLUMBING FIXTURE COUNT

WATER CLOSET COUNT:

OCC.	LOAD	CODE	REQ'D	OCC.	LOAD	CODE	REQ'D
I-RES	20	1/15	2	I-EMP	21	1/25	1
		PROVIDED	20			PROVIDED	1

LAVATORY COUNT:

OCC.	LOAD	CODE	REQ'D	OCC.	LOAD	CODE	REQ'D
I-RES	20	1/15	2	I-EMP	21	1/25	1
		PROVIDED	20			PROVIDED	1

SHOWER COUNT:

OCC.	LOAD	CODE	REQ'D	OCC.	LOAD	CODE	REQ'D
I-RES	20	1/15	2	I-EMP	21	0	0
		PROVIDED	6			PROVIDED	0

DRINKNG FOUNTAIN COUNT:

OCC.	LOAD	CODE	REQ'D	OCC.	LOAD	CODE	REQ'D
I-RES	20	1/100	1	I-EMP	21	1/100	1
		PROVIDED	1			PROVIDED	1

OCCUPANCY LOAD PLAN KEY

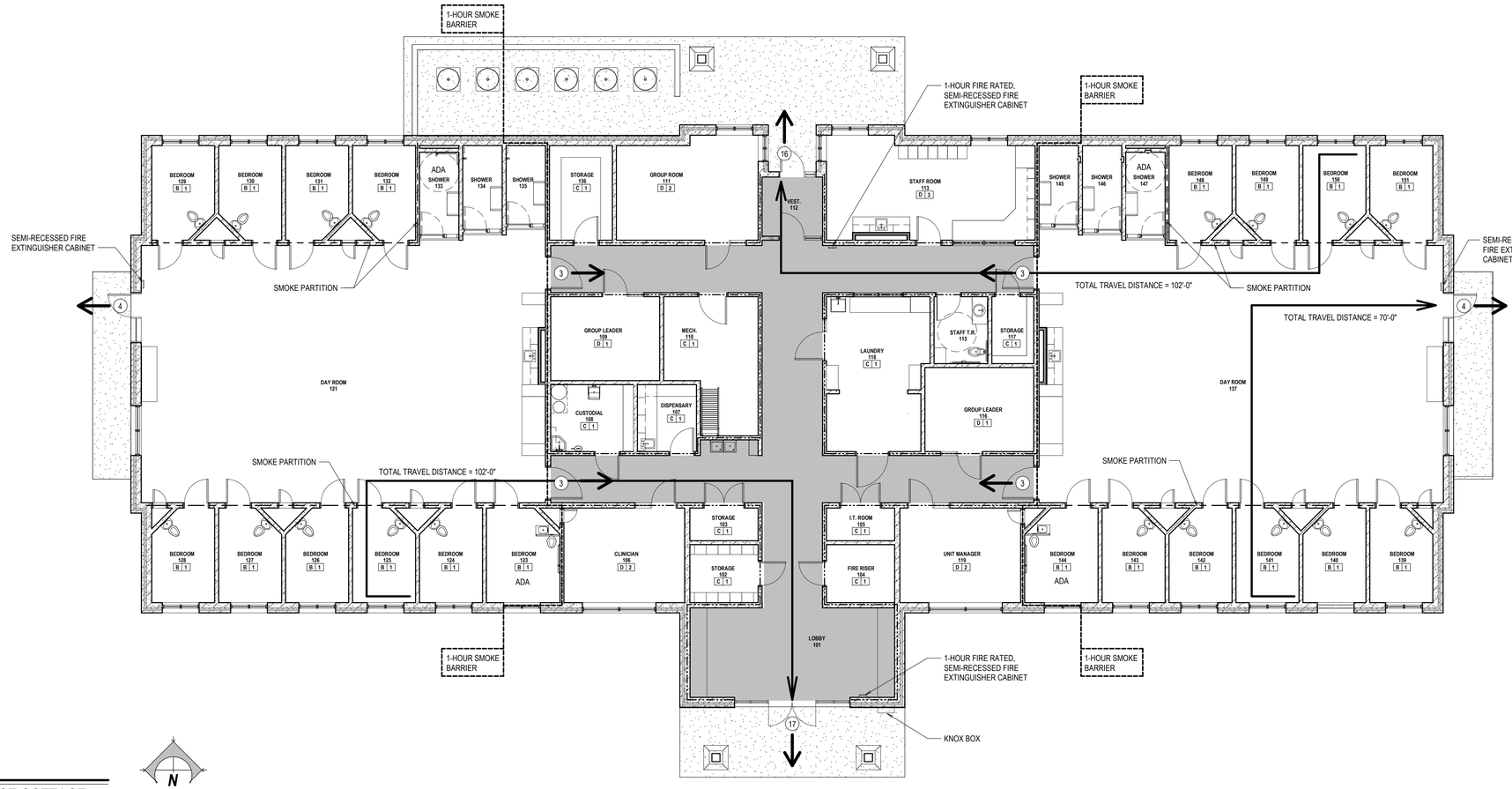
ROOM NAME
ROOM #
S 30

OCCUPANT LOAD (LOAD FACTOR/AREA)
OCCUPANT LOAD TYPE SYMBOL
OCCUPANT LOAD SERVICE BY EXIT

OCCUPANT LOAD TYPE	FACTOR (SF)	GROSS/ NET	SYM.
SLEEPING AREAS	120	GROSS	B
ACCESSORY AREAS	300	GROSS	C
BUSINESS AREA - OFFICE / WORK ROOMS	150	GROSS	D

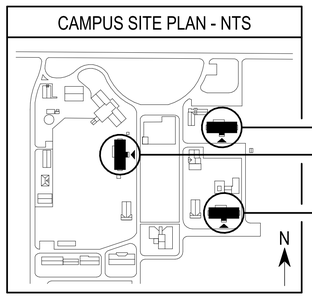
TOTAL BUILDING OCCUPANT LOAD = 41

SMOKE PARTITION
SMOKE BARRIER - 1 HR
FIRE RATED WALL - 1 HR
FIRE RATED CORRIDOR - 1 HR
FIRE RATED CEILING - 1 HR



MAIN LEVEL
SCALE: 1/8" = 1'-0"

CAMPUS SITE PLAN - NTS



BASE BID
BITTERROOT COTTAGE

ALTERNATE NO. 2
CENTENNIAL COTTAGE

ALTERNATE NO. 1
TARGHEE COTTAGE

LICENSED ARCHITECT
JA-05339
JAMES H. WHITE
STATE OF IDAHO
02/01/2023

nbwarchitects p.a.
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DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: CODE ANALYSIS

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:

G1.1

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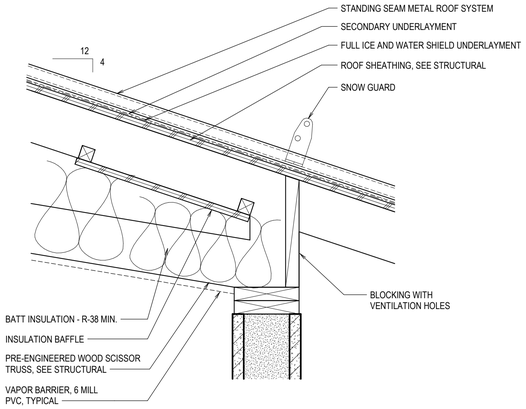
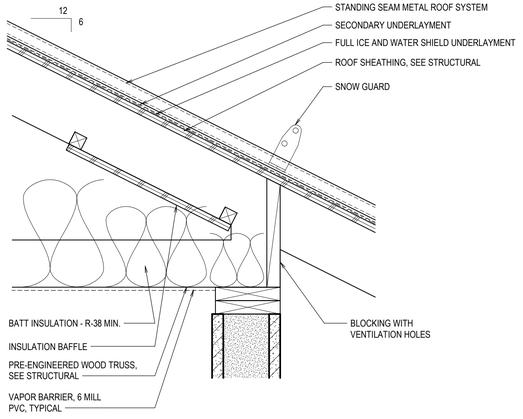


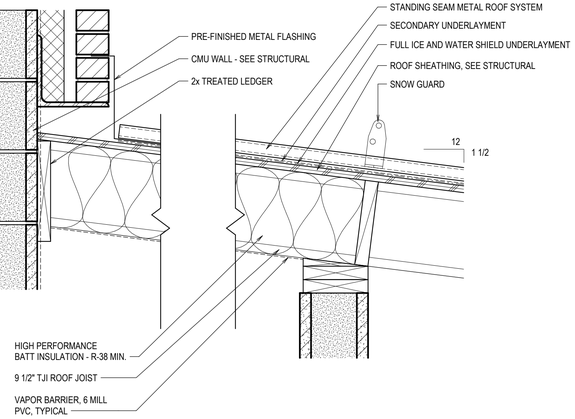
ROOF ASSEMBLY - R1

SCALE: 1 1/2" = 1'-0"



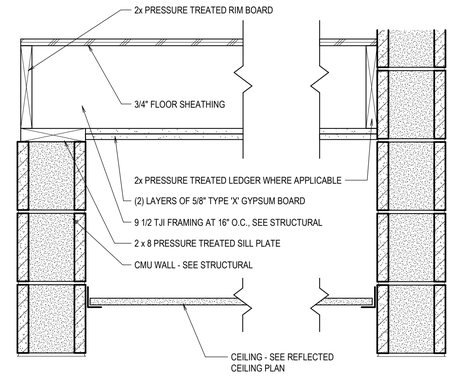
ROOF ASSEMBLY - R2

SCALE: 1 1/2" = 1'-0"



ROOF ASSEMBLY - R3

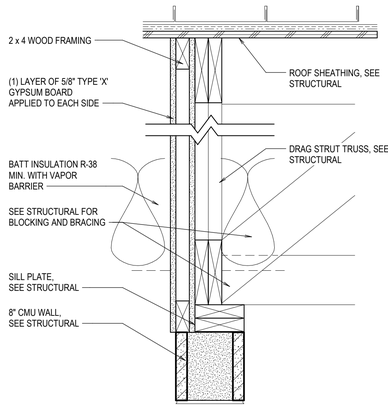
SCALE: 1 1/2" = 1'-0"



1 HOUR FIRE RATED ASSEMBLY - GA FILE NO. FC 5407

RATED ASSEMBY - A1

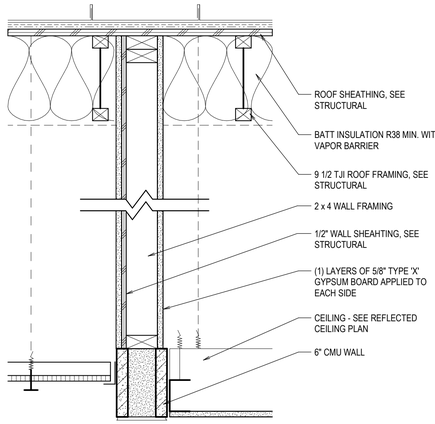
SCALE: 1 1/2" = 1'-0"



1 HOUR FIRE RATED ASSEMBLY - GA FILE NO. WP 3640

RATED ASSEMBY - A2

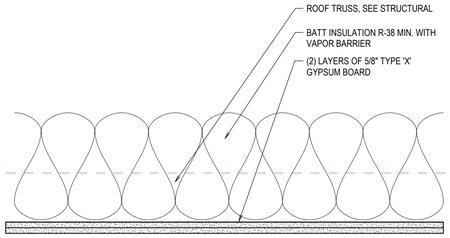
SCALE: 1 1/2" = 1'-0"



1 HOUR FIRE RATED ASSEMBLY - GA FILE NO. WP 3514

RATED ASSEMBY - A3

SCALE: 1 1/2" = 1'-0"

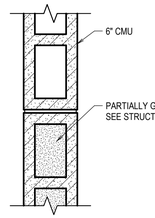


1 HOUR FIRE RATED ASSEMBLY - GA FILE NO. FC 5406

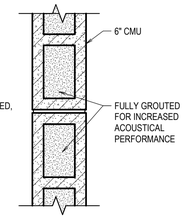
RATED ASSEMBY - A4

SCALE: 1 1/2" = 1'-0"

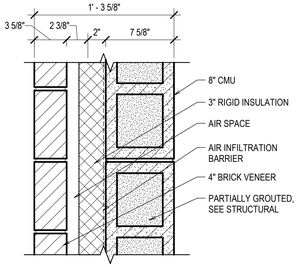
SEE DETAIL A/A1.3



4.6A



4.6B



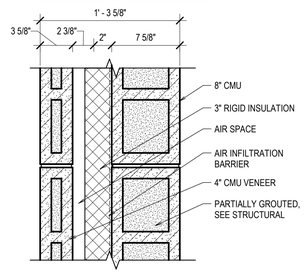
4.8A

WALL ASSEMBLY

SCALE: 1 1/2" = 1'-0"

SEE CODE ANALYSIS PLAN ON SHEET G1.1 FOR LOCATIONS OF FIRE RATED WALLS

SEE DETAIL A/A1.3



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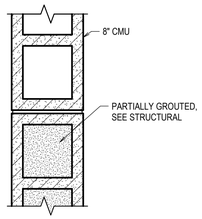

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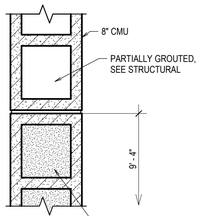

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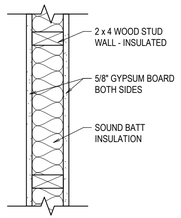
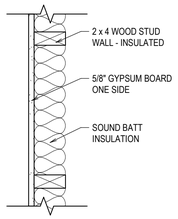


6.4A



6.4B

NOTE:

SEE STRUCTURAL DRAWINGS FOR ALL FASTENERS.

LICENSED ARCHITECT
JASON H. WARD
AR-98339
02/01/2023
STATE OF IDAHO

nbwarchitects p.a.
ARCHITECTURE/PLANNING/INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8795 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ASSEMBLY TYPES

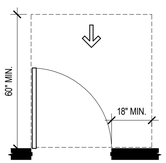
REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

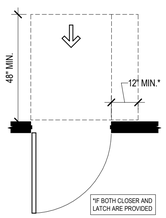
DRAWING NO.:

G1.2

3/28/2023 11:29:50 AM N:\Projects\Other\DPW\DPW\21-725 JCC Cottages - 21023\CAD\Drawings\21023 A1.1_03-17-23.rvt



FRONT APPROACH, PULL SIDE



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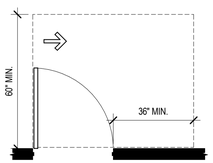
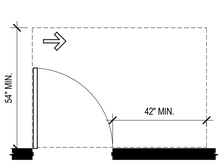


HINGE APPROACH, PULL SIDE



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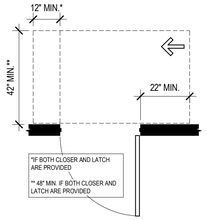

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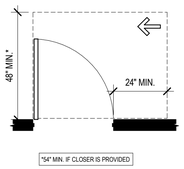
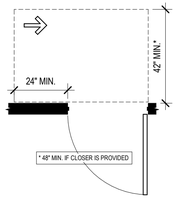
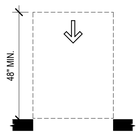


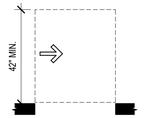
LATCH APPROACH, PULL SIDE



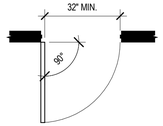
LATCH APPROACH, PUSH SIDE



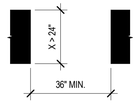
FRONT APPROACH - SLIDING, FOLDING, OR NO DOOR



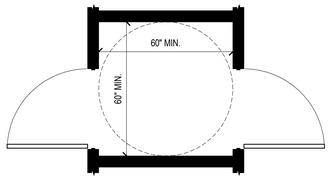
SIDE APPROACH, NO DOOR



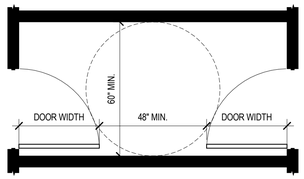
CLEARANCE WIDTH FOR SLIDING, FOLDING, OR HINGED DOORS



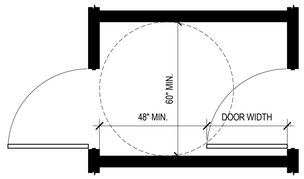
CLEARANCE WIDTH FOR DOORWAYS WITHOUT DOORS



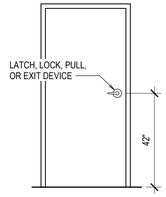
DOORS IN A SERIES
DOORS SWING OUT



DOORS IN A SERIES
DOORS SWING IN



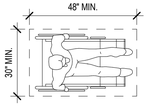
DOORS IN A SERIES
DOORS SWING SAME DIRECTION



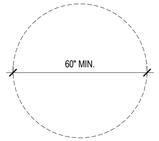
DOOR HARDWARE
MOUNTING HEIGHT

DOOR CLEARANCES

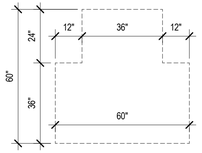
SCALE: 3/8" = 1'-0"



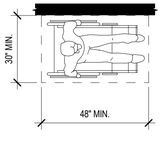
CLEAR FLOOR SPACE



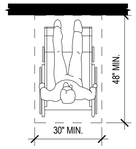
TURNING CIRCLE



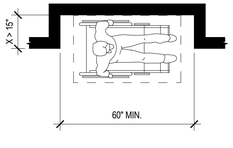
T-SHAPED TURNING AREA



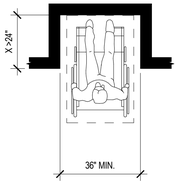
PARALLEL CLEAR FLOOR SPACE



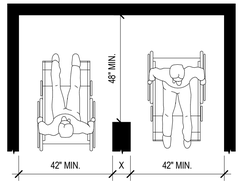
FORWARD CLEAR FLOOR SPACE



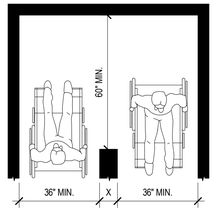
PARALLEL APPROACH IN ALCOVE



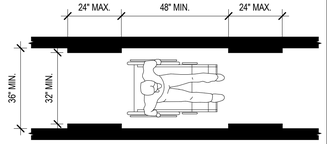
FORWARD APPROACH IN ALCOVE



180° TURN



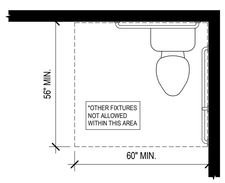
180° TURN (EXCEPTION)

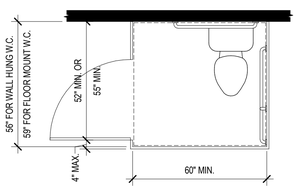


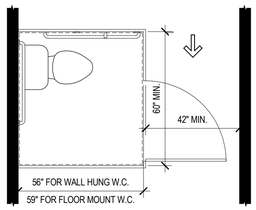
CLEAR WIDTH FOR ACCESSIBLE ROUTE

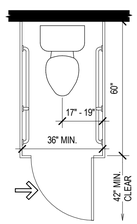
FLOOR CLEARANCES

SCALE: 3/8" = 1'-0"



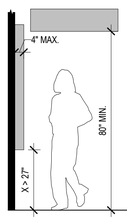




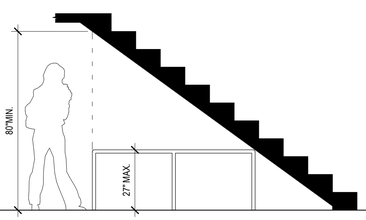


W.C. CLEARANCES

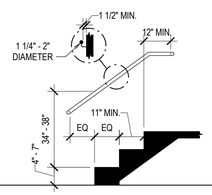
SCALE: 3/8" = 1'-0"



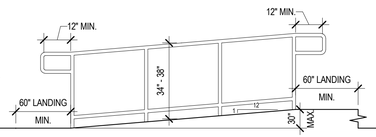
PROTRUDING OBJECTS



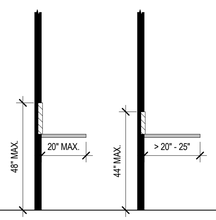
VERTICAL CLEARANCE



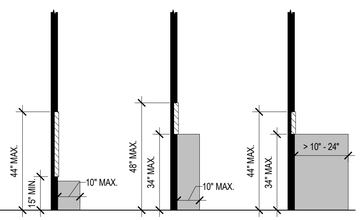
STAIRS AND HANDRAILS



RAMPS AND HANDRAILS



OBSTRUCTED FORWARD REACH



OBSTRUCTED SIDE REACH

OTHER CLEARANCES

SCALE: 3/8" = 1'-0"

LICENSED ARCHITECT
JA-20239
IDAHO
02/01/2023
JAMES H. WHITT
STATE OF IDAHO

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8795 (F) 208.522.8795 (W) nbwarchitects.com

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

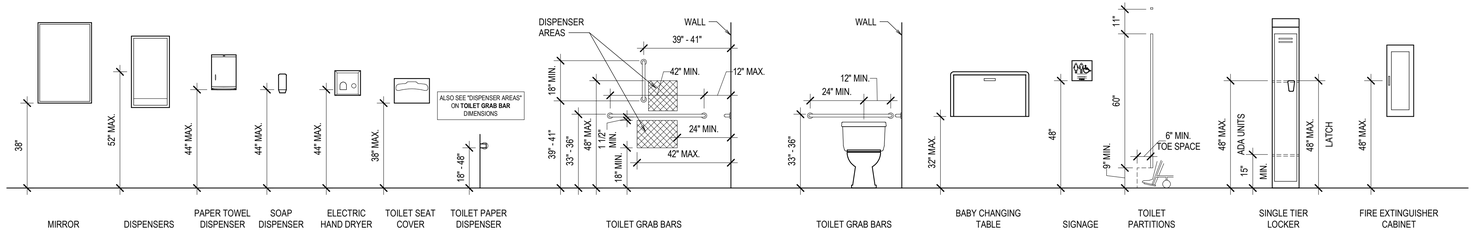
SHEET TITLE:
ANSI STANDARDS

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

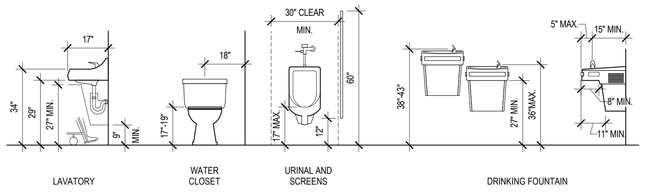
DRAWING NO.:
G2.0

3/28/2023 11:29:52 AM N:\Projects\Other\DPW\DPW 21-725 JCC Cottages - 21023\CAD\Drawings\21023 A1.1_03-17-23.rvt



ACCESSORIES MOUNTING HEIGHTS

SCALE: 3/8" = 1'-0"



FIXTURE MOUNTING HEIGHTS

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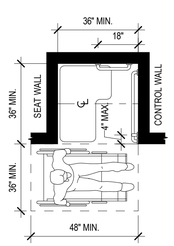
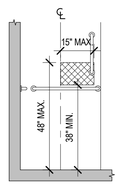
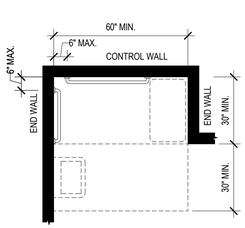


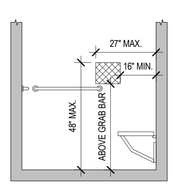
36" x 36" TRANSFER SHOWER



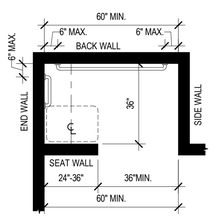
TRANSFER SHOWER CONTROLS ELEVATION



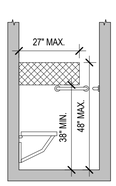
STANDARD ROLL-IN SHOWER



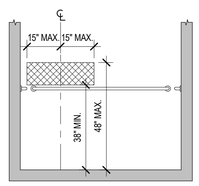
STANDARD ROLL-IN SHOWER CONTROLS ELEVATION



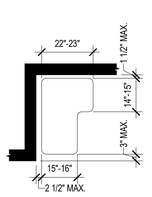
ALTERNATE ROLL-IN SHOWER



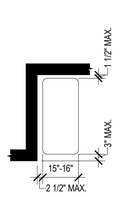
ALTERNATE ROLL-IN SHOWER END WALL ELEVATION



ALTERNATE ROLL-IN SHOWER BACK WALL ELEVATION



L-SHAPED SHOWER SEAT DIMENSIONS



RECTANGULAR SHOWER SEAT DIMENSIONS

SHOWER CLEARANCES

SCALE: 3/8" = 1'-0"

LICENSED ARCHITECT
JA-09339
JAMES W. HUNT
STATE OF IDAHO
02/01/2023

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DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ANSI STANDARDS

REVISIONS

NBW PROJECT NO.
21023
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KP
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JHW

DRAWING NO.:

G2.1

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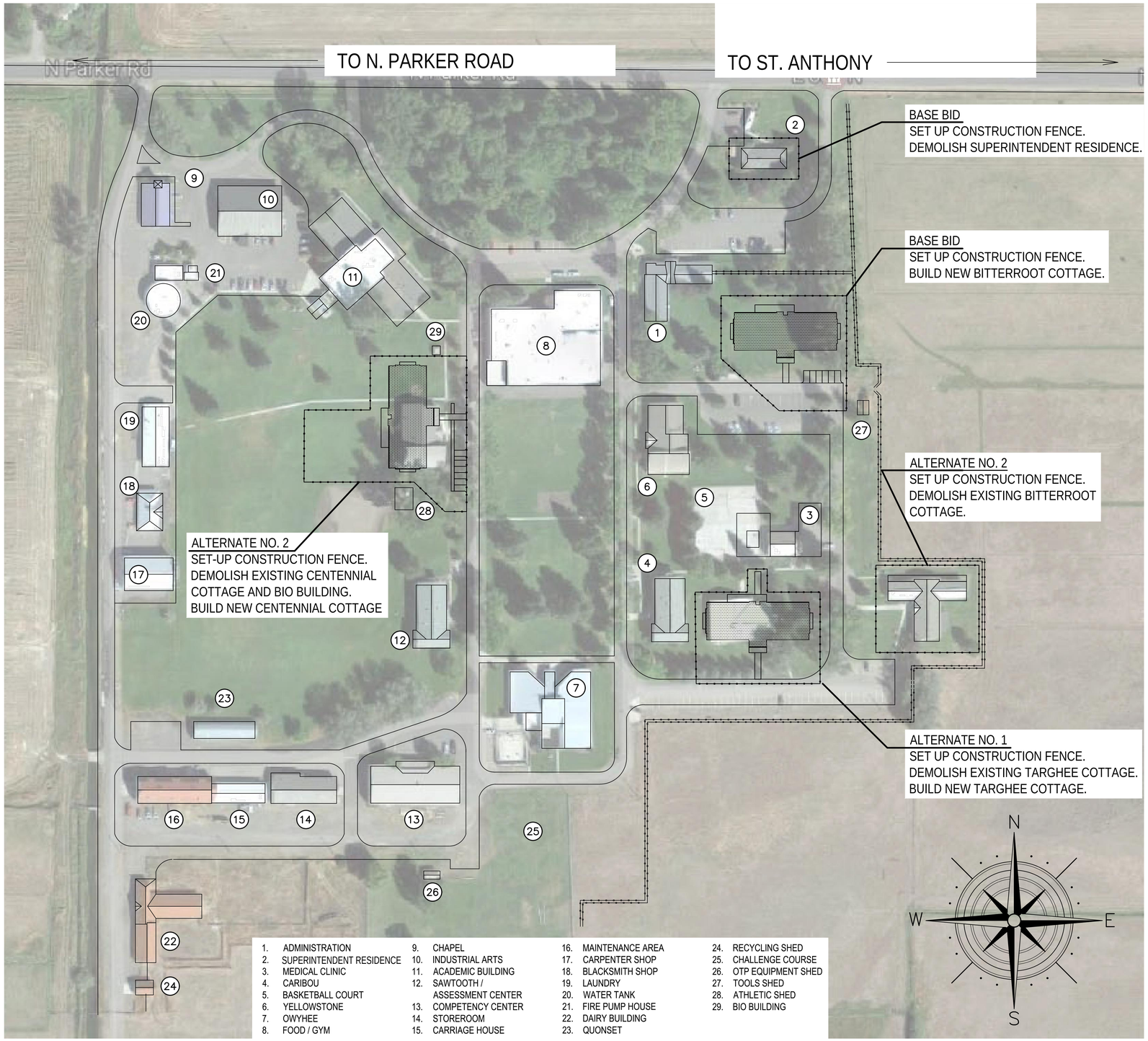

1. ADMINISTRATION
2. SUPERINTENDENT RESIDENCE
3. MEDICAL CLINIC
4. CARIBOU
5. BASKETBALL COURT
6. YELLOWSTONE
7. OWYHEE
8. FOOD / GYM
9. CHAPEL
10. INDUSTRIAL ARTS
11. ACADEMIC BUILDING
12. SAWTOOTH / ASSESSMENT CENTER
13. COMPETENCY CENTER
14. STOREROOM
15. CARRIAGE HOUSE
16. MAINTENANCE AREA
17. CARPENTER SHOP
18. BLACKSMITH SHOP
19. LAUNDRY
20. WATER TANK
21. FIRE PUMP HOUSE
22. DAIRY BUILDING
23. QUONSET
24. RECYCLING SHED
25. CHALLENGE COURSE
26. OTP EQUIPMENT SHED
27. TOOLS SHED
28. ATHLETIC SHED
29. BIO BUILDING

PHASING PLAN

SCALE: NOT TO SCALE

BASE BID
· DEMOLISH SUPERINTENDENT RESIDENCE AT NORTHEAST CORNER · BUILD NEW BITTERROOT COTTAGE IN NEW LOCATION
ALTERNATE NO. 1
· DEMOLISH EXISTING TARGHEE COTTAGE · BUILD NEW TARGHEE COTTAGE IN SAME LOCATION
ALTERNATE NO. 2
· DEMOLISH EXISTING CENTENNIAL COTTAGE AND BIO BUILDING · BUILD NEW CENTENNIAL COTTAGE IN SAME LOCATION · DEMOLISH EXISTING BITTERROOT COTTAGE

LICENSED ARCHITECT AR-98339
JAMES WYATT STATE OF IDAHO
02-01-2023

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PROJECT:

SHEET TITLE: PHASING PLAN

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DATE: DECEMBER 2022
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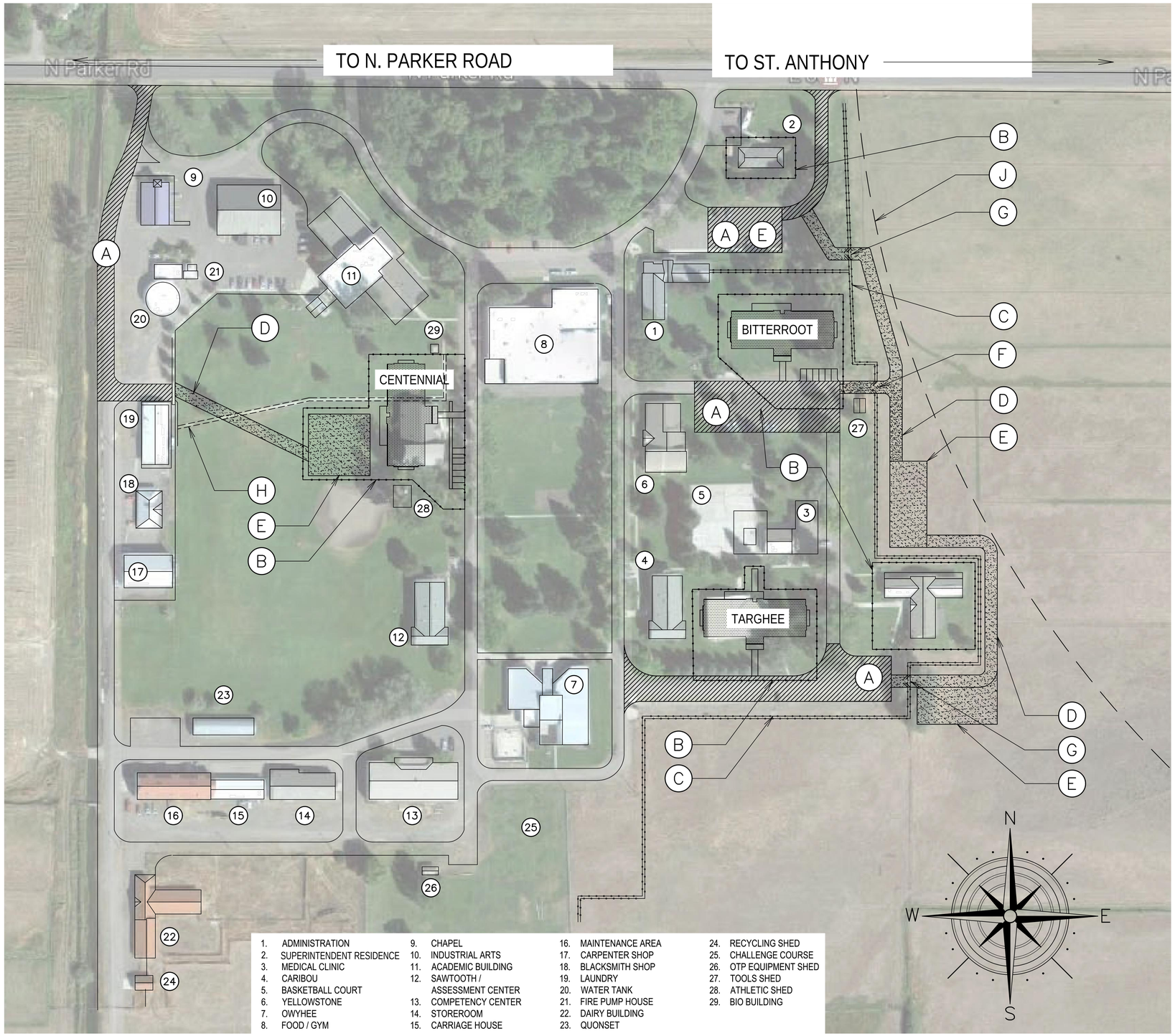

1. ADMINISTRATION
2. SUPERINTENDENT RESIDENCE
3. MEDICAL CLINIC
4. CARIBOU
5. BASKETBALL COURT
6. YELLOWSTONE
7. OWYHEE
8. FOOD / GYM
9. CHAPEL
10. INDUSTRIAL ARTS
11. ACADEMIC BUILDING
12. SAWTOOTH / ASSESSMENT CENTER
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24. RECYCLING SHED
25. CHALLENGE COURSE
26. OTP EQUIPMENT SHED
27. TOOLS SHED
28. ATHLETIC SHED
29. BIO BUILDING

CONTRACTOR ACCESS ROAD AND STAGING AREA PLAN

SCALE: NOT TO SCALE

GENERAL NOTES

1. CONTRACTOR TO REMOVE GRAVEL BEING USED TO CONSTRUCT TEMPORARY GRAVEL ROADS AND STORAGE PADS AFTER CONCLUSION OF CONSTRUCTION AND TRANSPORT IT TO THE AREA DESIGNATED BY OWNER FOR STORAGE AND FUTURE USE. CONTRACTOR TO REVERT GRAVEL ROAD AND STORAGE PAD AREAS BACK TO THE CONDITION THAT EXISTED PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO PROTECT ALL EXISTING ROADWAYS INCLUDING BUT NOT LIMITED TO CURBS, GUTTERS, SIDEWALKS, STEPS, VALVE BOXES, MANHOLES, LANDSCAPING, IRRIGATION COMPONENTS ETC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE ANYTHING DAMAGED AS A RESULT OF NEW CONSTRUCTION.
3. CONTRACTOR TO ENSURE THAT EXISTING IRRIGATION SYSTEM REMAINS OPERABLE DURING CONSTRUCTION AND THAT FOLLOWING CONSTRUCTION, THE EXISTING IRRIGATION SYSTEM OPERATES AS GOOD, OR BETTER THAN EXISTED PRIOR TO THIS PROJECT. CONTRACTOR SHALL REPLACE, AT NO ADDITIONAL COST TO THE OWNER, PLANT MATERIALS DAMAGED DUE TO THE CONTRACTORS FAILURE TO MAINTAIN OPERATION OF THE EXISTING IRRIGATION SYSTEM DURING THE COURSE OF CONSTRUCTION.

KEY NOTES

A. CONTRACTOR TO CLEAN UP EXISTING ASPHALT AFTER CONCLUSION OF CONSTRUCTION. REPAIR ANY DAMAGE THAT MIGHT HAVE OCCURRED AND APPLY A SEAL COAT TO EXISTING ASPHALT.

B. APPROXIMATE LOCATION OF TEMPORARY 6' TALL CONSTRUCTION FENCE. CLAMP INDIVIDUAL PANELS TOGETHER. PROVIDE LOCKABLE GATE.

C. EXISTING ORNAMENTAL STEEL FENCE AND BARBED WIRE FENCE LOCATED 4' FROM STEEL FENCE. PROTECT DURING CONSTRUCTION. REPAIR IF DAMAGED DURING CONSTRUCTION.

D. TEMPORARY 20' WIDE ACCESS GRAVEL ROAD, SEE CIVIL SHEETS FOR DETAIL

E. TEMPORARY GRAVEL PAD / LAY DOWN AREA / CONTRACTOR PARKING AREA, SITE VERIFY.

F. EXISTING 20' ORNAMENTAL STEEL GATE AND 20' BARBED WIRE GATE. PROTECT DURING CONSTRUCTION. REPAIR IF DAMAGED DURING CONSTRUCTION.

G. REMOVE 20' SEGMENTS OF BOTH THE ORNAMENTAL STEEL FENCE AND THE BARBED WIRE FENCE AND INSTALL 20' TEMPORARY LOCKABLE GATE. AFTER CONCLUSION OF CONSTRUCTION REMOVE TEMPORARY GATE AND RESTORE BOTH EXISTING FENCES TO ORIGINAL CONDITION.

H. SIDEWALK TO BE DEMOLISHED. LOCATION OF SIDEWALK SHOWN IS APPROXIMATE. FOR COMPLETE INFORMATION ON DEMOLITION AND INSTALLATION OF NEW SIDEWALK IN THIS AREA SEE CIVIL DRAWINGS.

J. APPROXIMATE LOCATION OF IRRIGATION PIVOT. DO NOT ENCROACH.

GRAVEL

SEAL COAT

LICENSED ARCHITECT AR-98339
02-01-2023
JAMES WYATT
STATE OF IDAHO

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(P) 208.522.8779 (F) 208.522.8785 (W) nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: CONTRACTOR ACCESS ROAD AND STAGING AREA PLAN

REVISIONS

NBW PROJECT NO.: 21023
DATE: DECEMBER 2022
DRAWN BY: KP
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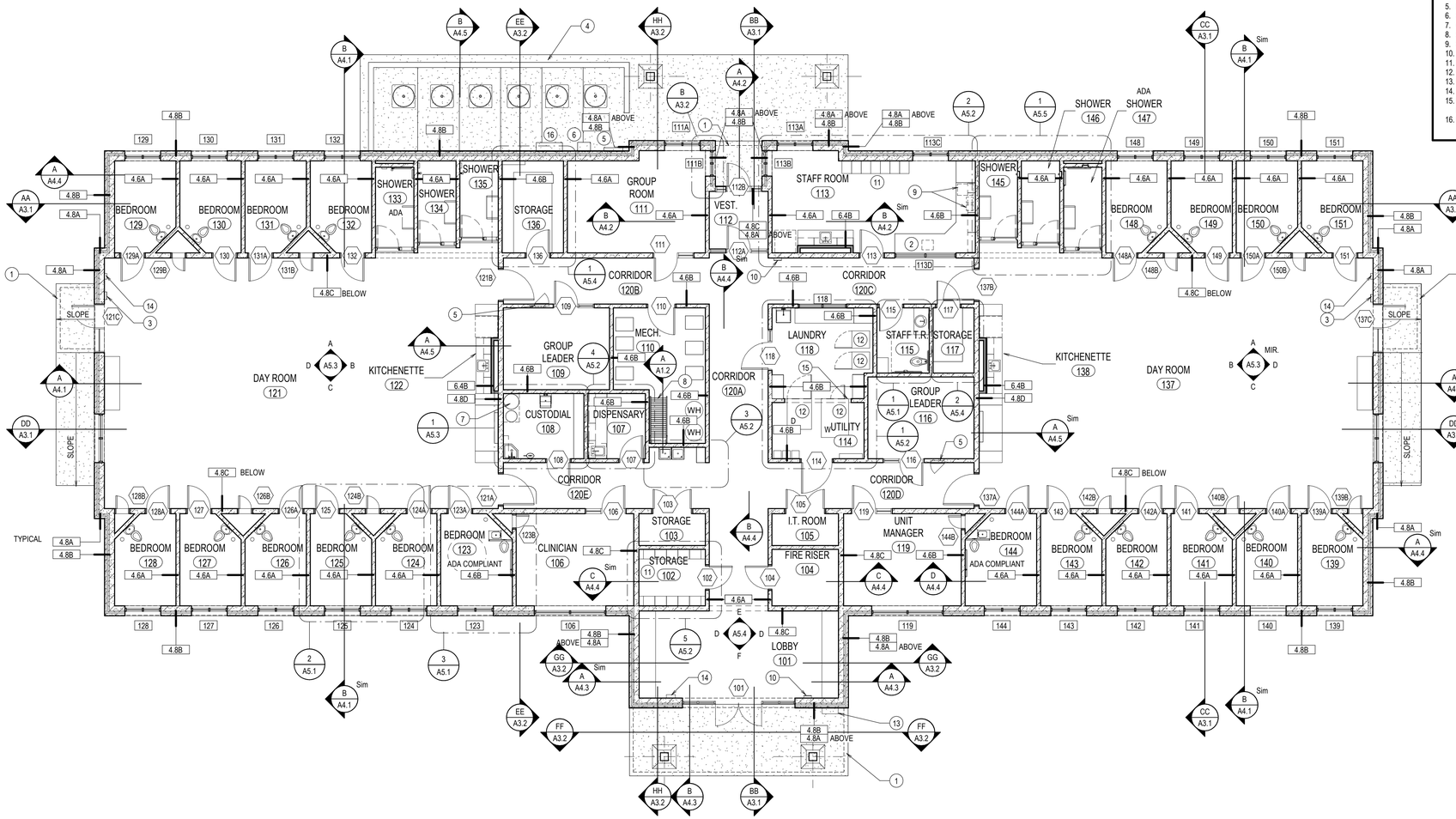
G3.1

GENERAL NOTES

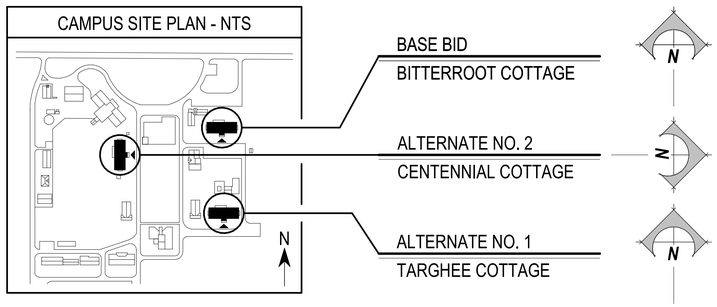
1. SEE ATTIC PLAN A8.4 FOR LOCATION OF ATTIC ACCESS HATCHES
2. SEE FINISH FLOOR PLAN A6.4 FOR CONCRETE CONTROL JOINT LAYOUT
3. SEE SHEET G1.2 FOR WALL TYPES
4. SEE SHEET A6.5 FOR LOCATION OF MARKER BOARDS

○ KEYNOTES

1. 6" FROST WALLS, 36" DEEP
2. CONTROL PANEL BY CONTRACTOR
3. SEMI-RECESSED FIRE EXTINGUISHER CABINET
4. MOW STRIP
5. ELECTRICAL PANEL
6. GAS METER
7. WATER SOFTENER, SEE MECHANICAL
8. SHIP LADDER ASSEMBLY. PAINT.
9. CHARGING STATION AND PRINTER BY OWNER
10. 1-HOUR FIRE RATED, SEMI-RECESSED FIRE EXTINGUISHER CABINET
11. METAL LOCKERS
12. WASHER AND DRYER ATTACHED TO FLOOR/WALL, SEE MECHANICAL
13. KNOX BOX
14. AED DEFIBRILLATOR CABINET
15. FIELD VERIFY SIZE OF OPENING. ADJUST ACCORDING TO EQUIPMENT PLACEMENT AND SIZE
16. FAN COIL SPLIT SYSTEM A/C UNIT, SEE MECHANICAL



CAMPUS SITE PLAN - NTS



BASE BID
BITTERROOT COTTAGE

ALTERNATE NO. 2
CENTENNIAL COTTAGE

ALTERNATE NO. 1
TARGHEE COTTAGE

MAIN FLOOR PLAN

SCALE: 1/8" = 1'-0"

LICENSED ARCHITECT
JAMES H. WHITE
No. 9239
STATE OF IDAHO
02/01/2023

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DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: MAIN FLOOR PLAN

REVISIONS

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21023
DATE:
DECEMBER 2022
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JHW

DRAWING NO.:

A1.1

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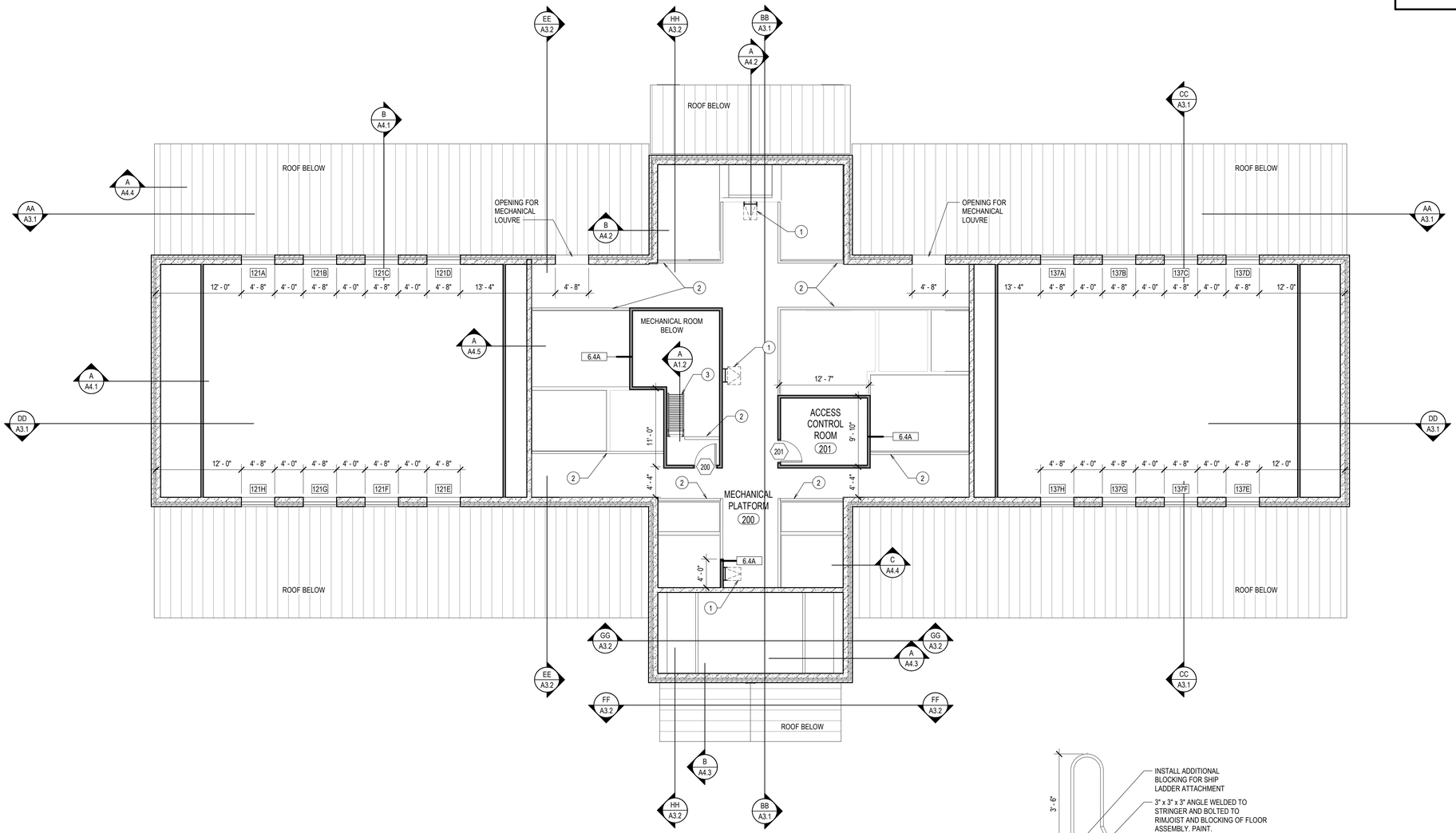
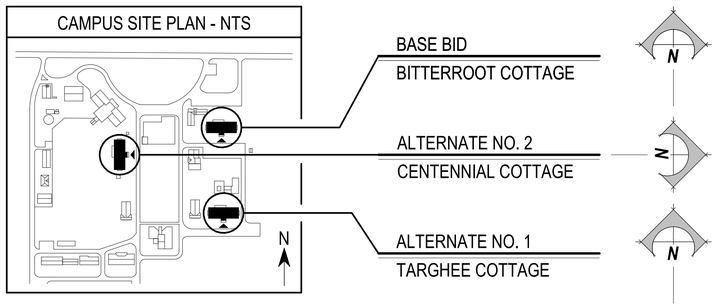
GENERAL NOTES

1. SEE ATTIC PLAN A8.4 FOR LOCATION OF ALL ATTIC ACCESS HATCHES.
2. DIMENSIONS OF INTERIOR WOOD FRAMED WALLS ARE FROM FACE OF EXTERIOR CMU WALL TO CENTER OF WOOD FRAMED WALL.

○ KEYNOTES

1. ATTIC ACCESS HATCH AND LADDER
2. GUARD RAIL. 2 x 4 WOOD FRAMING, TYPICAL. SEE DETAIL A/A3.2
3. SHIP LADDER ASSEMBLY. PAINT.





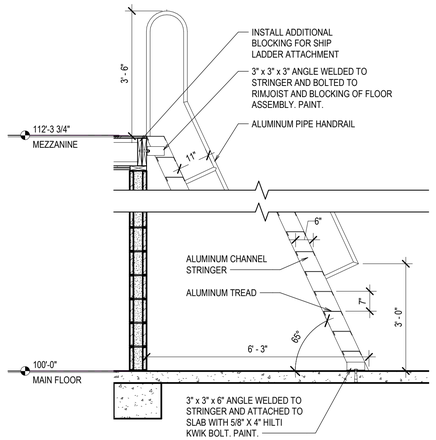
BASE BID
BITTERROOT COTTAGE

ALTERNATE NO. 2
CENTENNIAL COTTAGE

ALTERNATE NO. 1
TARGHEE COTTAGE

MEZZANINE PLAN

SCALE: 1/8" = 1'-0"



A A1.2 SECTION

SCALE: 1/2" = 1'-0"

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LICENSED ARCHITECT
AR-20239
JAMES C. KNIGHT
STATE OF IDAHO
02/01/2023

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DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: MEZZANINE PLAN

REVISIONS

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DATE:
DECEMBER 2022
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KP
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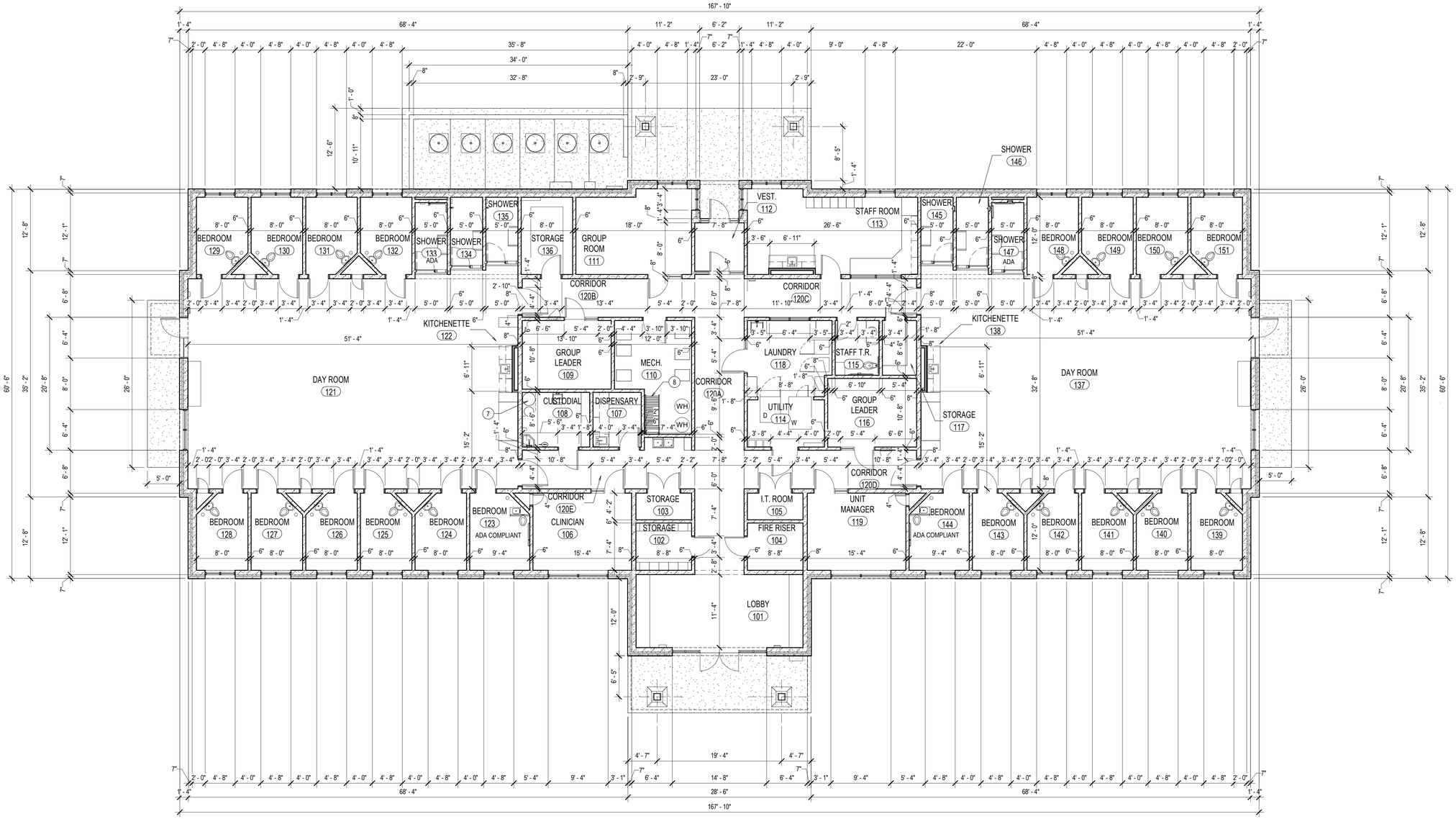
JHW

DRAWING NO.:

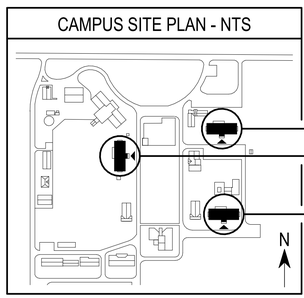
A1.2

GENERAL NOTES

1. EXTERIOR DIMENSIONS ARE TO FACE OF FOUNDATION AND FACE OF CONCRETE MASONRY UNIT, U.N.O.
2. INTERIOR DIMENSIONS ARE TO FACE OF CONCRETE MASONRY UNIT, U.N.O.
3. INTERIOR DIMENSIONS OF STUD WALLS ARE TO CENTER OF STUD, U.N.O.



CAMPUS SITE PLAN - NTS



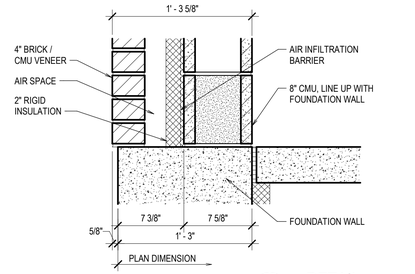
BASE BID
BITTERROOT COTTAGE

ALTERNATE NO. 2
CENTENNIAL COTTAGE

ALTERNATE NO. 1
TARGHEE COTTAGE

MAIN FLOOR PLAN - DIMENSIONS

SCALE: 1/8" = 1'-0"



A / A1.3 DETAIL

SCALE: 1 1/2" = 1'-0"

LICENSED ARCHITECT JA-10339 STATE OF IDAHO
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(P) 208.522.8775 (F) 208.522.8785 (W) nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: MAIN FLOOR PLAN - DIMENSIONS

REVISIONS

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A1.3

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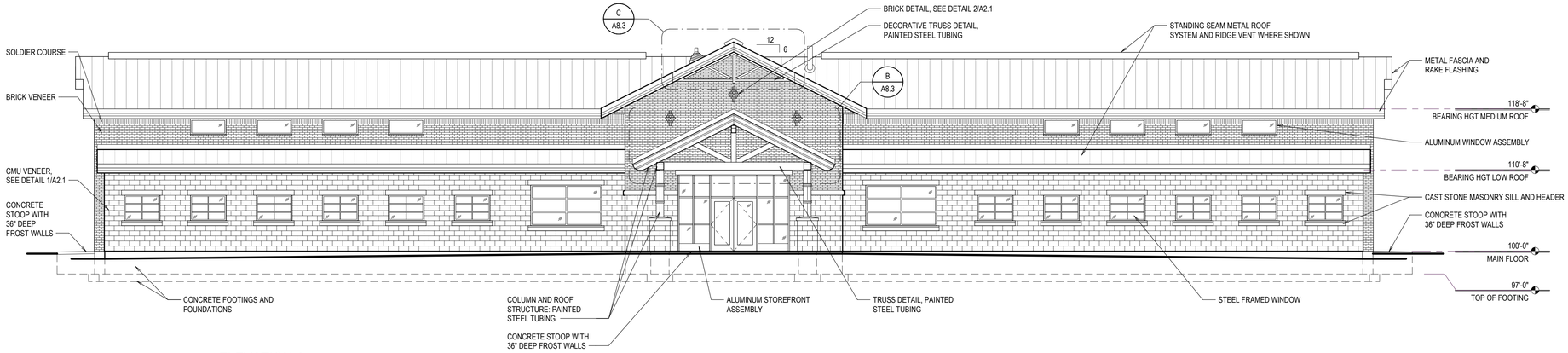
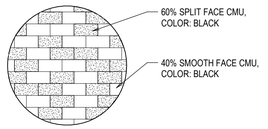


ELEVATION A

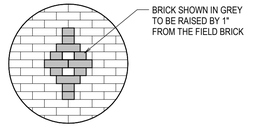
SCALE: 1/8" = 1'-0"

RANDOM ASSORTMENT PATTERN - CMU



1 A2.1 DETAIL

SCALE: 1/4" = 1'-0"



2 A2.1 DETAIL

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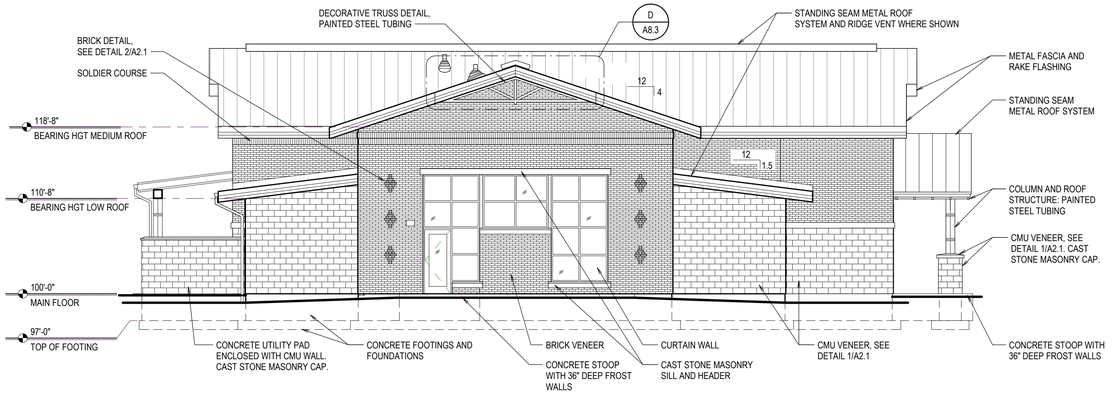
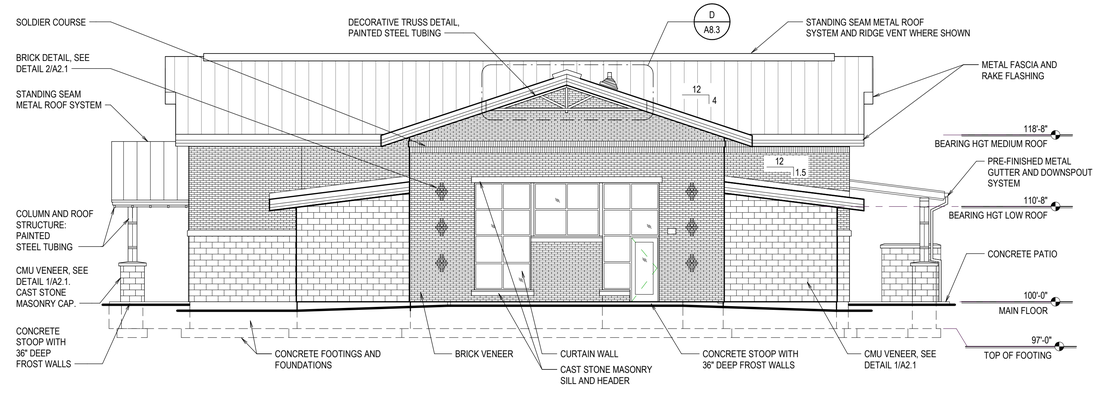


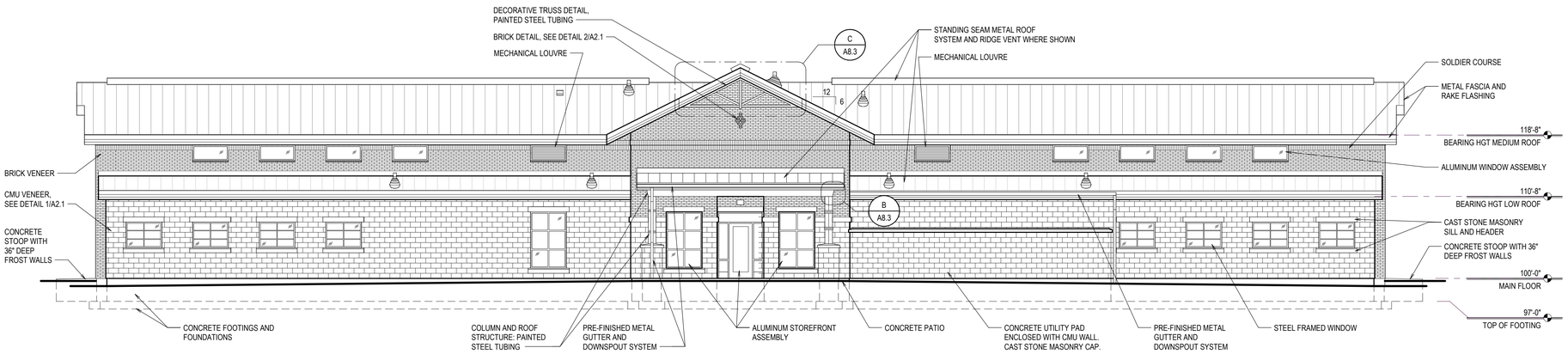
ELEVATION B

SCALE: 1/8" = 1'-0"



ELEVATION C

SCALE: 1/8" = 1'-0"



ELEVATION D

SCALE: 1/8" = 1'-0"

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DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N

ST. ANTHONY, IDAHO 83445

BUILDING ELEVATIONS

PROJECT:

SHEET TITLE:

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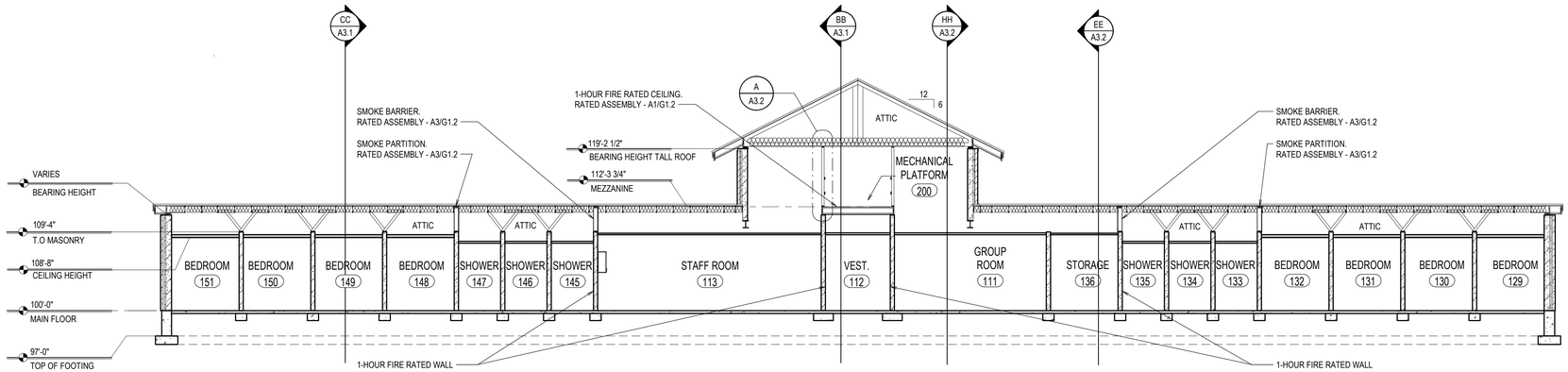
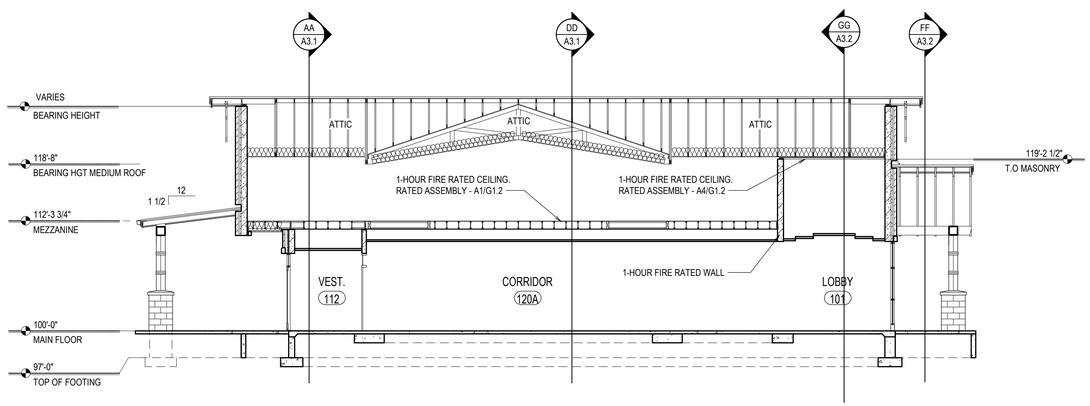


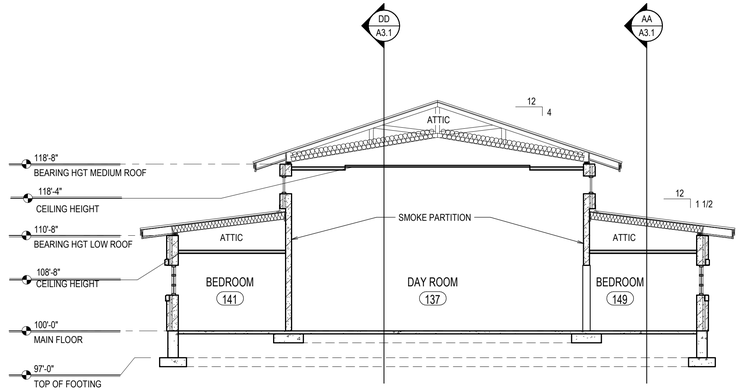
SECTION

SCALE: 1/8" = 1'-0"



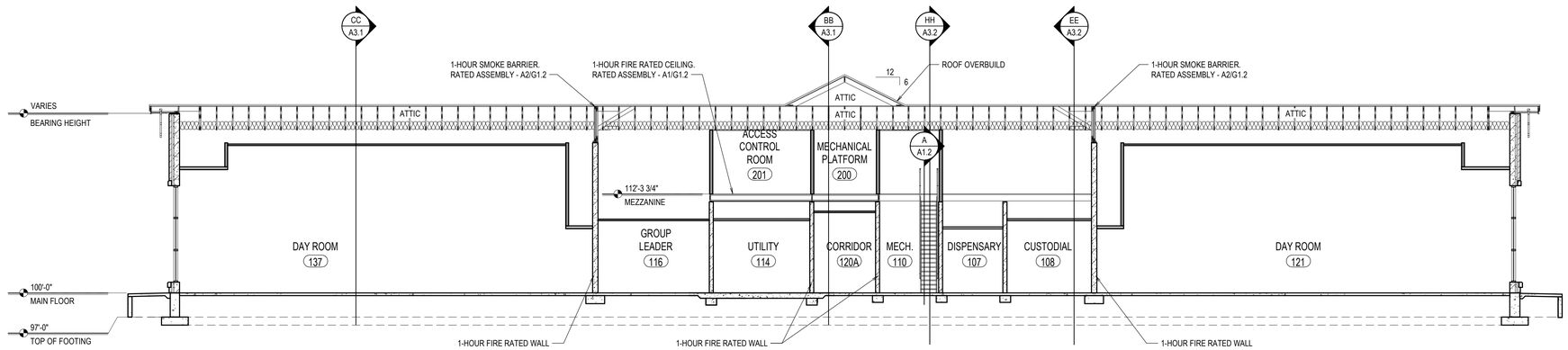
SECTION

SCALE: 1/8" = 1'-0"



SECTION

SCALE: 1/8" = 1'-0"



SECTION

SCALE: 1/8" = 1'-0"

LICENSED ARCHITECT JHW AR-98339 02/01/2023 STATE OF IDAHO

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DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: BUILDING SECTIONS

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:

A3.1

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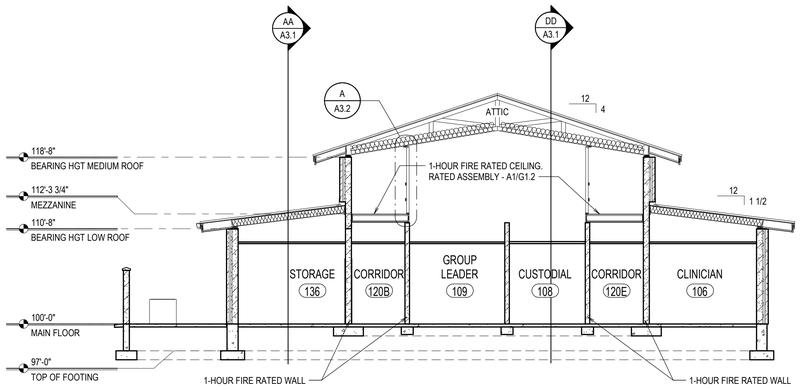
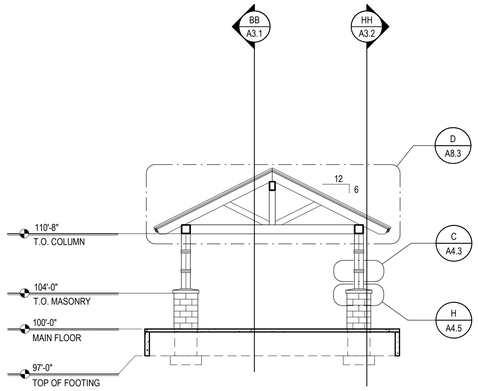


EE A3.2 SECTION

SCALE: 1/8" = 1'-0"



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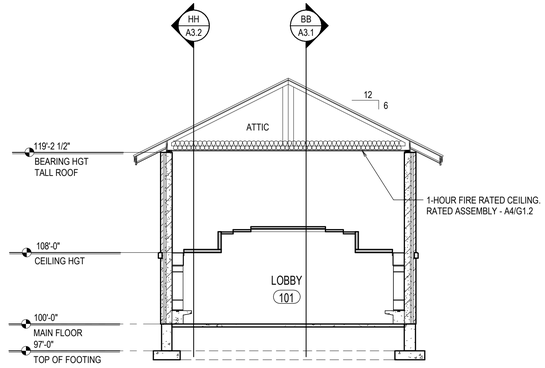

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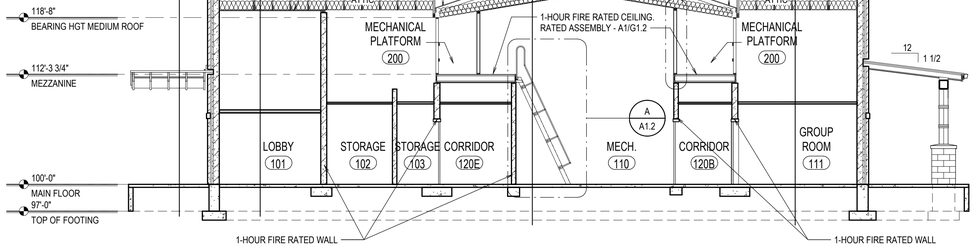
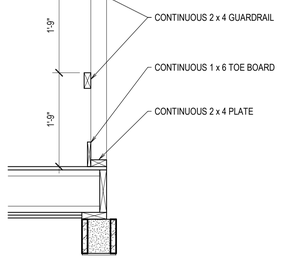
SCALE: 1/8" = 1'-0"



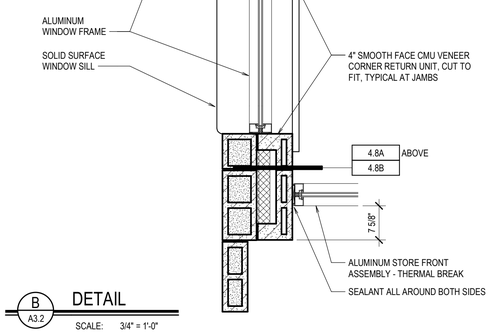
HH A3.2 SECTION

SCALE: 1/8" = 1'-0"



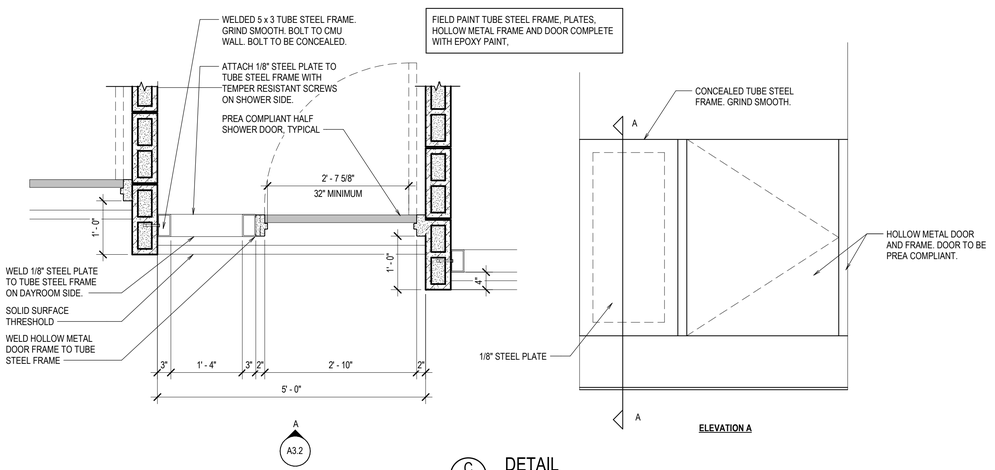
A A3.2 DETAIL

SCALE: 3/4" = 1'-0"



B A3.2 DETAIL

SCALE: 3/4" = 1'-0"



C A3.2 DETAIL

SCALE: 3/4" = 1'-0"

LICENSED ARCHITECT
AR-20239
IDAHO
02/01/2023
JAMES W. HUNT
STATE OF IDAHO

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(P) 208.522.8795 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: BUILDING SECTIONS

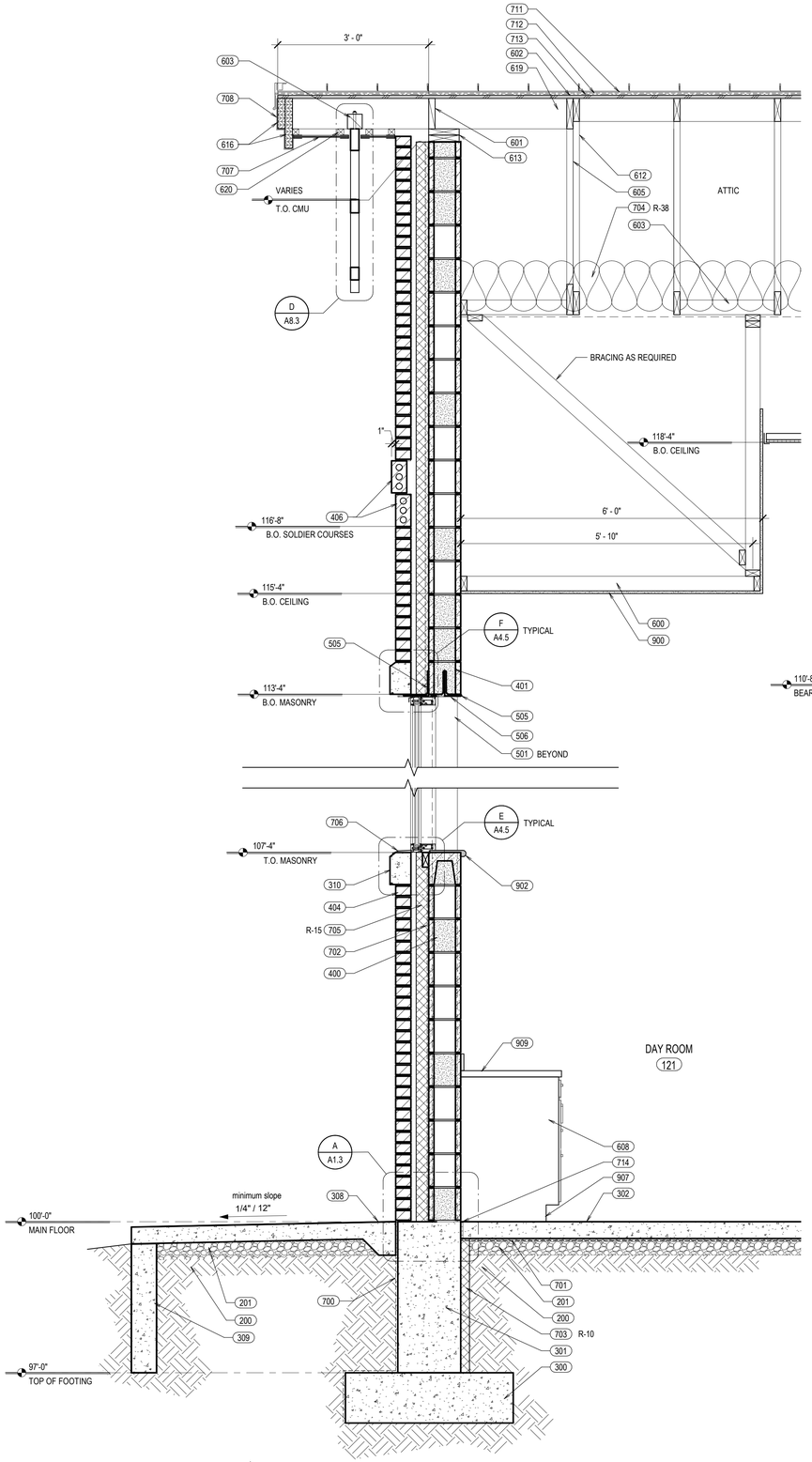
REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

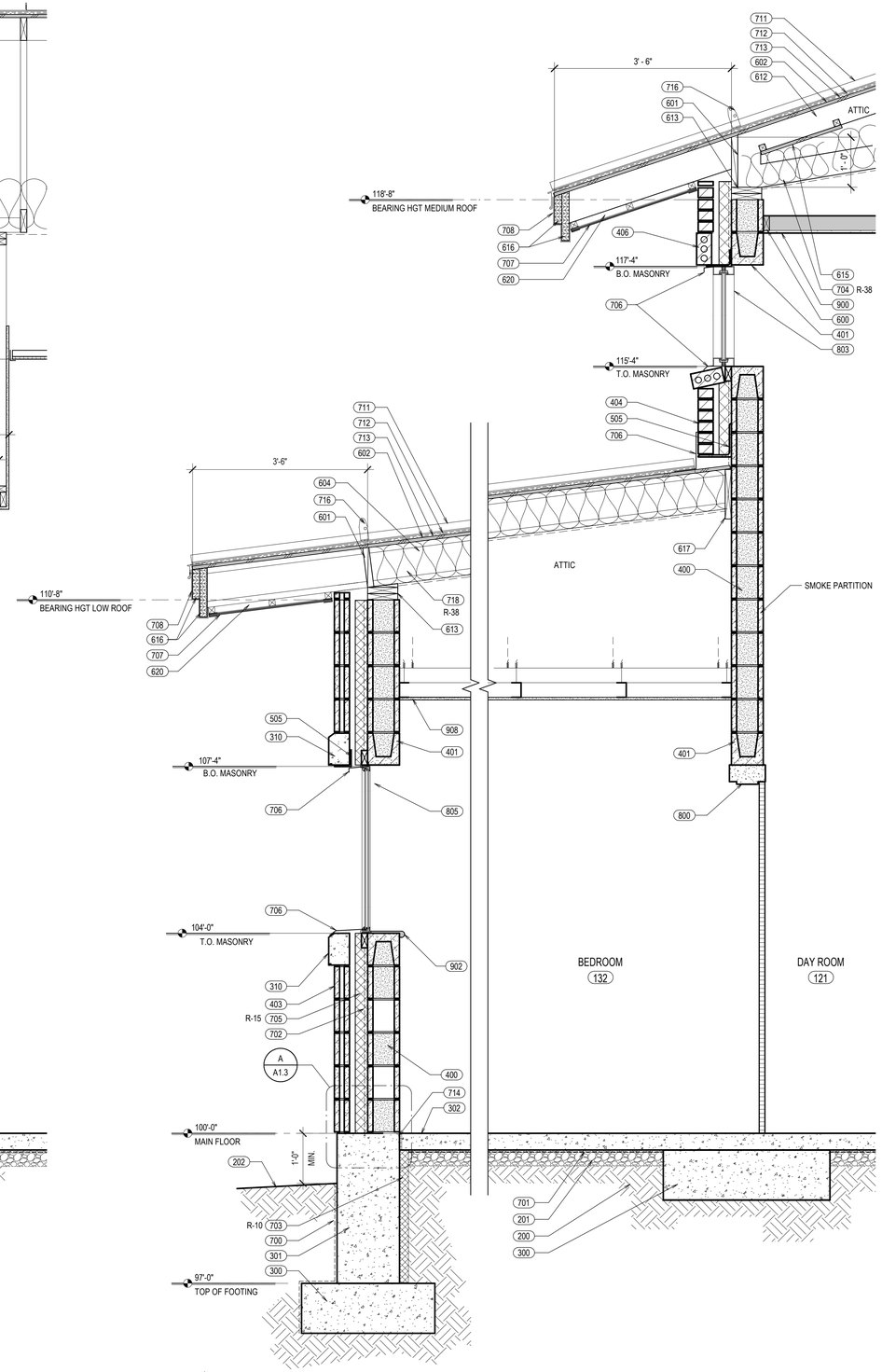
DRAWING NO.:

A3.2

3/28/2023 3:00:01 PM N:\Projects\Other\DPW\DPW 21-725 JCC Cottages - 21023\CAD\Drawings\21023 A1.1_03-17-23.rvt



A WALL SECTION
A4.1
SCALE: 3/4" = 1'-0"



B WALL SECTION
A4.1
SCALE: 3/4" = 1'-0"

KEYNOTE LEGEND

200	COMPACTED ENGINEERED FILL
201	COMPACTED DRAINAGE COARSE (4" MINIMUM DEPTH)
202	FINISH GRADE
300	REINFORCED CONCRETE FOOTING - SEE STRUCTURAL
301	REINFORCED CONCRETE FOUNDATION WALL - SEE STRUCTURAL
302	REINFORCED CONCRETE SLAB - SEE STRUCTURAL
308	4" THICK CONCRETE STOOP
309	6" THICK, 36" DEEP CONCRETE FROSTWALL
310	CAST STONE MASONRY SILL/HEADER UNIT
400	8" x 8"x 16" CMU
401	MASONRY HEADER - SEE STRUCTURAL
403	4"x 8"x 16" CMU VENEER
404	BRICK VENEER
406	BRICK SOLDIER COURSE
501	STEEL COLUMN - PAINTED WHERE EXPOSED - SEE STRUCTURAL
505	STEEL ANGLE - PAINTED WHERE EXPOSED - SEE STRUCTURAL
506	STEEL PLATE - PAINTED WHERE EXPOSED - SEE STRUCTURAL
600	2 x 4 WOOD FRAMING - FRAMING
601	2 x VENTILATED WOOD BLOCKING
602	WOOD SHEATHING - SEE STRUCTURAL
603	2x WOOD BLOCKING - TYP.
604	TJI - SEE STRUCTURAL
605	GIRDER TRUSS - SEE STRUCTURAL
606	WALL MOUNTED BASE CABINET
612	PRE-ENGINEERED WOOD TRUSS, SEE STRUCTURAL
613	PRESSURE TREATED SILL PLATE, SEE STRUCTURAL
615	INSULATION BAFFLE
616	LSL EDGEBOARD
617	LEDGER, SEE STRUCTURAL
619	2 x 8 WOOD FRAMING
620	2 x 2 WOOD FRAMING
700	BITUMINOUS DAMP PROOFING
701	VAPOR BARRIER
702	AIR INFILTRATION BARRIER
703	2" RIGID FOUNDATION INSULATION - CONTINUOUS
704	BATT INSULATION WITH VAPOR BARRIER
705	2" RIGID INSULATION - CONTINUOUS
706	PRE-FINISHED METAL FLASHING - CONTINUOUS
707	PRE-FINISHED METAL SOFFIT, PERFORATED
708	PRE-FINISHED METAL FASCIA
711	STANDING SEAM METAL ROOF SYSTEM
712	PRIMARY UNDERLAYMENT
713	FULL ICE AND WATER SHIELD
714	1/2" ASPHALTIC EXPANSION JOINT MATERIAL - CONTINUOUS
716	SNOW GUARD
718	HIGH PERFORMANCE BATT INSULATION WITH VAPOR BARRIER
800	HOLLOW METAL FRAME AND DOOR ASSEMBLY
803	ALUMINUM WINDOW ASSEMBLY
805	STEEL FRAMED WINDOW ASSEMBLY
900	5/8" GYPSUM BOARD
902	SOLID SURFACE SILL
907	SCHEDULED BASE
908	PLASTER ON METAL LATH CEILING AND BLACK IRON SUSPENSION SYSTEM
909	QUARTZ COUNTERTOP AND 4" BACK SPLASH

LICENSED ARCHITECT JA-20239 JAMES W. HUNT 02/01/2023 STATE OF IDAHO

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(P) 208.522.8779 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: WALL SECTIONS

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:

A4.1

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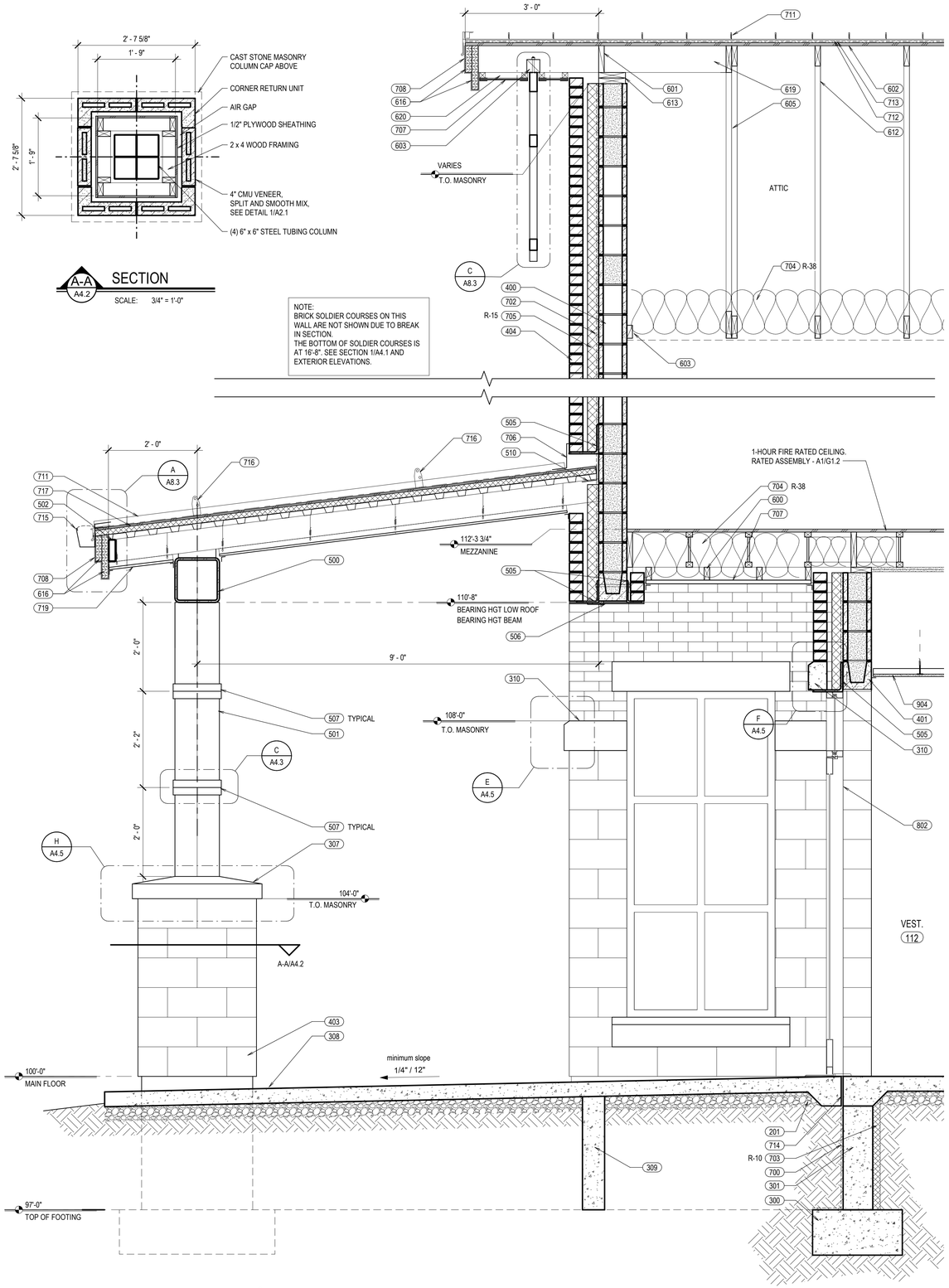
A-A/A4.2 SECTION

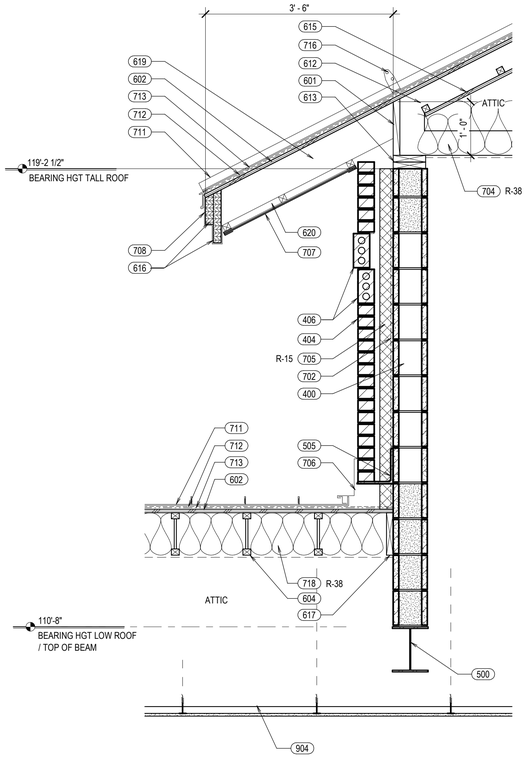
SCALE: 3/4" = 1'-0"

NOTE:
BRICK SOLDIER COURSES ON THIS WALL ARE NOT SHOWN DUE TO BREAK IN SECTION.
THE BOTTOM OF SOLDIER COURSES IS AT 16'-8". SEE SECTION 1/A4.1 AND EXTERIOR ELEVATIONS.

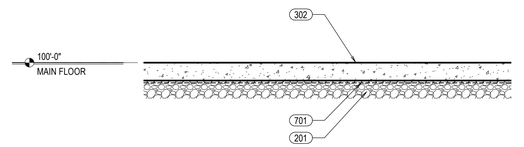


A A4.2 WALL SECTION

SCALE: 3/4" = 1'-0"



GROUP ROOM 111



B A4.2 WALL SECTION

SCALE: 3/4" = 1'-0"

KEYNOTE LEGEND

201	COMPACTED DRAINAGE COARSE (4" MINIMUM DEPTH)
300	REINFORCED CONCRETE FOOTING - SEE STRUCTURAL
301	REINFORCED CONCRETE FOUNDATION WALL - SEE STRUCTURAL
302	REINFORCED CONCRETE SLAB - SEE STRUCTURAL
307	CAST STONE MASONRY CAP
308	4" THICK CONCRETE STOOP
309	6" THICK, 36" DEEP CONCRETE FROSTWALL
310	CAST STONE MASONRY SILL/HEADER UNIT
400	8" x 8"x 16" CMU
401	MASONRY HEADER - SEE STRUCTURAL
403	4"x 8"x 16" CMU VENEER
404	BRICK VENEER
406	BRICK SOLDIER COURSE
500	STEEL BEAM - PAINTED WHERE EXPOSED - SEE STRUCTURAL
501	STEEL COLUMN - PAINTED WHERE EXPOSED - SEE STRUCTURAL
502	STEEL TUBE - PAINTED WHERE EXPOSED - SEE STRUCTURAL
505	STEEL ANGLE - PAINTED WHERE EXPOSED - SEE STRUCTURAL
506	STEEL PLATE - PAINTED WHERE EXPOSED - SEE STRUCTURAL
507	DECORATIVE METAL STRAP. PAINT.
510	STEEL BENT PLATE - SEE STRUCTURAL
600	2 x 4 WOOD FRAMING - FRAMING
601	2 x VENTILATED WOOD BLOCKING
602	WOOD SHEATHING - SEE STRUCTURAL
603	2x WOOD BLOCKING - TYP.
604	TJI - SEE STRUCTURAL
605	GIRDER TRUSS - SEE STRUCTURAL
612	PRE-ENGINEERED WOOD TRUSS, SEE STRUCTURAL
613	PRESSURE TREATED SILL PLATE, SEE STRUCTURAL
615	INSULATION BAFFLE
616	LSL EDGEBOARD
617	LEDGER, SEE STRUCTURAL
619	2 x 8 WOOD FRAMING
620	2 x 2 WOOD FRAMING
700	BITUMINOUS DAMP PROOFING
701	VAPOR BARRIER
702	AIR INFILTRATION BARRIER
703	2" RIGID FOUNDATION INSULATION - CONTINUOUS
704	BATT INSULATION WITH VAPOR BARRIER
705	2" RIGID INSULATION - CONTINUOUS
706	PRE-FINISHED METAL FLASHING - CONTINUOUS
707	PRE-FINISHED METAL SOFFIT, PERFORATED
708	PRE-FINISHED METAL FASCIA
711	STANDING SEAM METAL ROOF SYSTEM
712	PRIMARY UNDERLAYMENT
713	FULL ICE AND WATER SHIELD
714	1/2" ASPHALTIC EXPANSION JOINT MATERIAL - CONTINUOUS
715	PRE-FINISHED METAL GUTTER AND DOWNSPOUT SYSTEM
716	SNOW GUARD
717	2" NAILABLE POLYISO ROOF INSULATION
718	HIGH PERFORMANCE BATT INSULATION WITH VAPOR BARRIER
719	SUSPENDED METAL SOFFIT SYSTEM
802	ALUMINUM STOREFRONT ASSEMBLY
904	SUSPENDED GYPSUM BOARD CEILING

LICENSED ARCHITECT
JA-20239
JAMES A. WHITT
STATE OF IDAHO
02/01/2023

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DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: WALL SECTIONS

REVISIONS

NBW PROJECT NO.
21023
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DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:

A4.2

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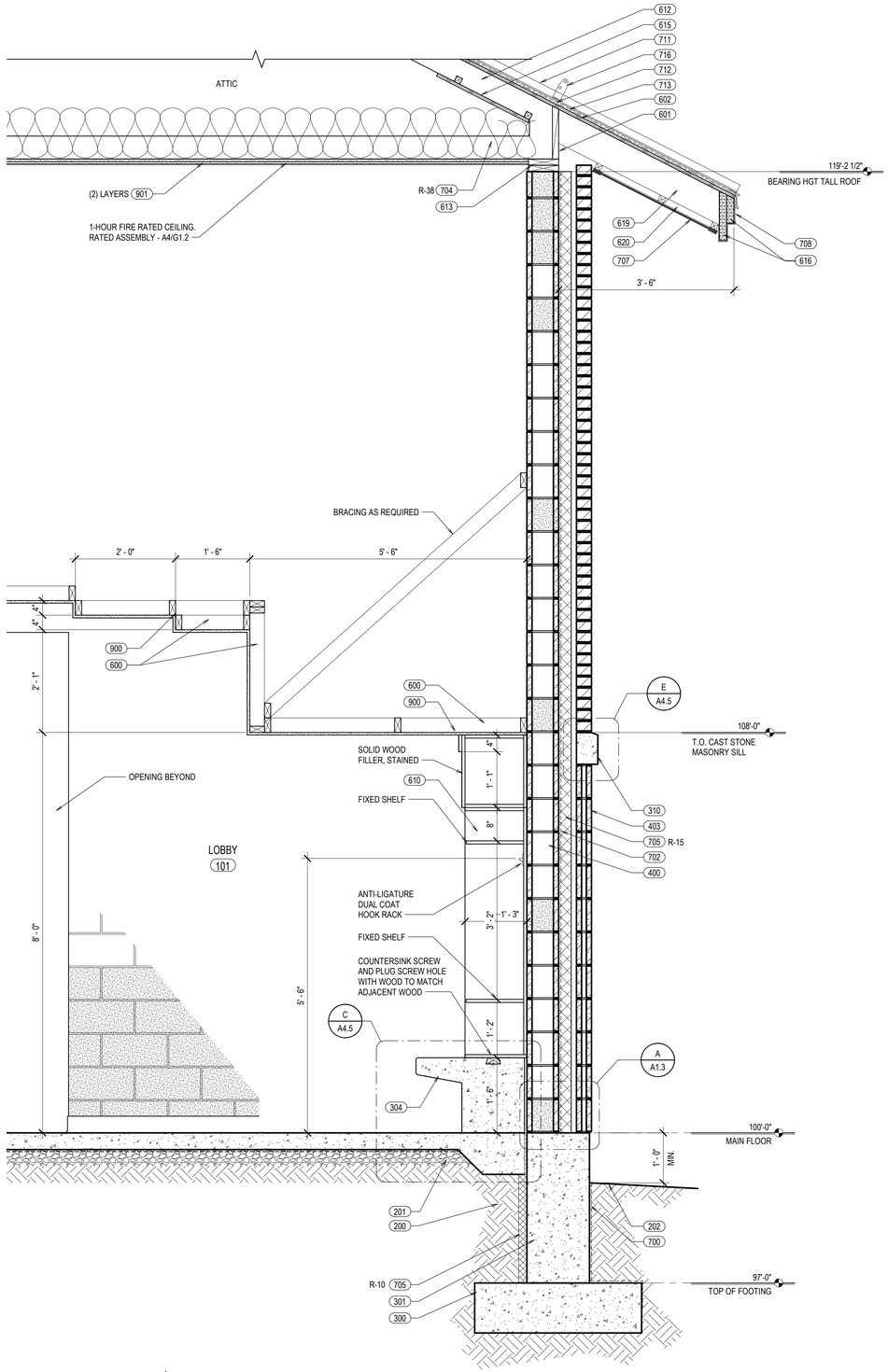
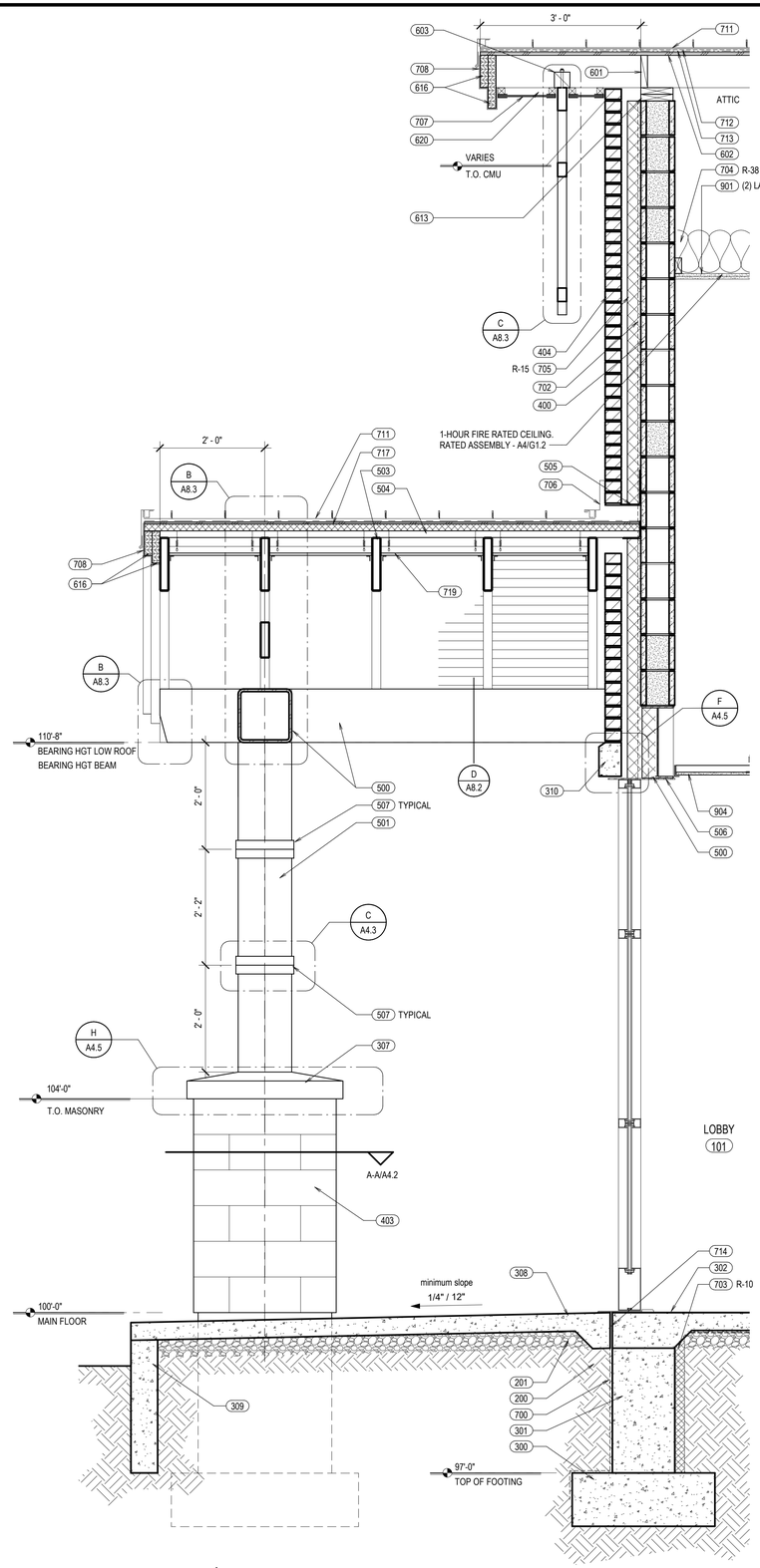


A WALL SECTION
A4.3
SCALE: 3/4" = 1'-0"



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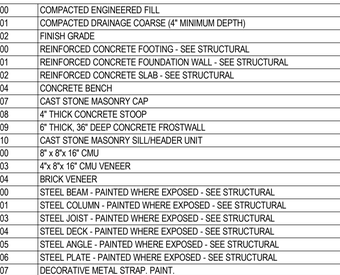

C DETAIL
A4.3
SCALE: 1 1/2" = 1'-0"

KEYNOTE LEGEND

200	COMPACTED ENGINEERED FILL
201	COMPACTED DRAINAGE COARSE (4" MINIMUM DEPTH)
202	FINISH GRADE
300	REINFORCED CONCRETE FOOTING - SEE STRUCTURAL
301	REINFORCED CONCRETE FOUNDATION WALL - SEE STRUCTURAL
302	REINFORCED CONCRETE SLAB - SEE STRUCTURAL
304	CONCRETE BENCH
307	CAST STONE MASONRY CAP
308	4" THICK CONCRETE STOOP
309	6" THICK, 36" DEEP CONCRETE FROSTWALL
310	CAST STONE MASONRY SILL/HEADER UNIT
400	8" x 8"x 16" CMU
403	4"x 8"x 16" CMU VENEER
404	BRICK VENEER
500	STEEL BEAM - PAINTED WHERE EXPOSED - SEE STRUCTURAL
501	STEEL COLUMN - PAINTED WHERE EXPOSED - SEE STRUCTURAL
503	STEEL JOIST - PAINTED WHERE EXPOSED - SEE STRUCTURAL
504	STEEL DECK - PAINTED WHERE EXPOSED - SEE STRUCTURAL
505	STEEL ANGLE - PAINTED WHERE EXPOSED - SEE STRUCTURAL
506	STEEL PLATE - PAINTED WHERE EXPOSED - SEE STRUCTURAL
507	DECORATIVE METAL STRAP. PAINT.
600	2 x 4 WOOD FRAMING - FRAMING
601	2 x VENTILATED WOOD BLOCKING
602	WOOD SHEATHING - SEE STRUCTURAL
603	2x WOOD BLOCKING - TYP.
610	SOLID WOOD LOCKER UNIT, STAINED
612	PRE-ENGINEERED WOOD TRUSS, SEE STRUCTURAL
613	PRESSURE TREATED SILL PLATE, SEE STRUCTURAL
615	INSULATION BAFFLE
616	LSL EDGEBOARD
619	2 x 8 WOOD FRAMING
620	2 x 2 WOOD FRAMING
700	BITUMINOUS DAMP PROOFING
702	AIR INFILTRATION BARRIER
703	2" RIGID FOUNDATION INSULATION - CONTINUOUS
704	BATT INSULATION WITH VAPOR BARRIER
705	2" RIGID INSULATION - CONTINUOUS
706	PRE-FINISHED METAL FLASHING - CONTINUOUS
707	PRE-FINISHED METAL SOFFIT, PERFORATED
708	PRE-FINISHED METAL FASCIA
711	STANDING SEAM METAL ROOF SYSTEM
712	PRIMARY UNDERLAYMENT
713	FULL ICE AND WATER SHIELD
714	1/2" ASPHALTIC EXPANSION JOINT MATERIAL - CONTINUOUS
716	SNOW GUARD
717	2" NAILABLE POLYISO ROOF INSULATION
719	SUSPENDED METAL SOFFIT SYSTEM
900	5/8" GYPSUM BOARD
901	5/8" TYPE 'X' GYPSUM BOARD
904	SUSPENDED GYPSUM BOARD CEILING

LICENSED ARCHITECT
JOSHUA H. WHITE
AR-20339
02/01/2023
JURISDICTION: STATE OF IDAHO

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(P) 208.522.8795 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

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REVISIONS

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21023
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KP
CHECKED BY:
JHW

DRAWING NO.:
A4.3

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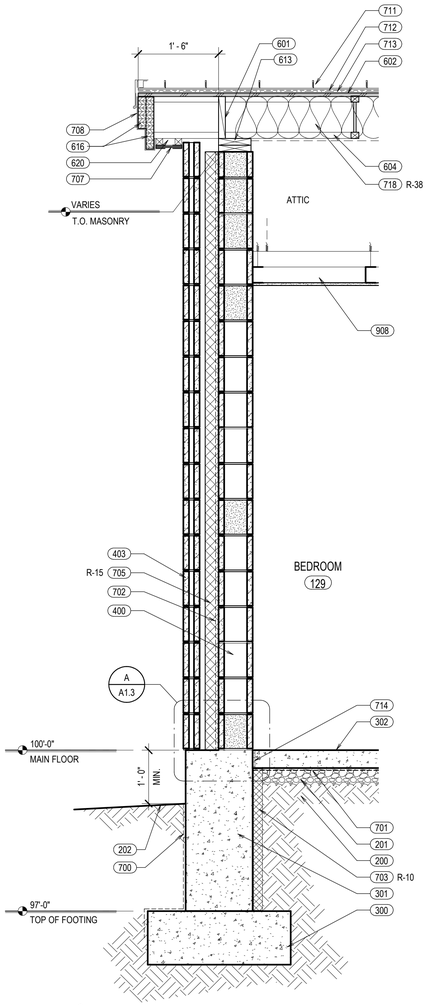

A A4.4 WALL SECTION
SCALE: 3/4" = 1'-0"

B A4.4 WALL SECTION
SCALE: 3/4" = 1'-0"

C A4.4 WALL SECTION
SCALE: 3/4" = 1'-0"

D A4.4 WALL SECTION
SCALE: 3/4" = 1'-0"

KEYNOTE LEGEND

200	COMPACTED ENGINEERED FILL
201	COMPACTED DRAINAGE COARSE (4" MINIMUM DEPTH)
202	FINISH GRADE
300	REINFORCED CONCRETE FOOTING - SEE STRUCTURAL
301	REINFORCED CONCRETE FOUNDATION WALL - SEE STRUCTURAL
302	REINFORCED CONCRETE SLAB - SEE STRUCTURAL
400	8" x 8"x 16" CMU
403	4"x 8"x 16" CMU VENEER
404	BRICK VENEER
407	6" x 8" x 16" CMU
505	STEEL ANGLE - PAINTED WHERE EXPOSED - SEE STRUCTURAL
600	2 x 4 WOOD FRAMING - FRAMING
601	2 x VENTILATED WOOD BLOCKING
602	WOOD SHEATHING - SEE STRUCTURAL
603	2x WOOD BLOCKING - TYP.
604	TJI - SEE STRUCTURAL
605	GIRDER TRUSS - SEE STRUCTURAL
612	PRE-ENGINEERED WOOD TRUSS, SEE STRUCTURAL
613	PRESSURE TREATED SILL PLATE, SEE STRUCTURAL
615	INSULATION BAFFLE
616	LSL EDGEBOARD
617	LEDGER, SEE STRUCTURAL
618	2 x 6 WOOD FRAMING
620	2 x 2 WOOD FRAMING
700	BITUMINOUS DAMP PROOFING
701	VAPOR BARRIER
702	AIR INFILTRATION BARRIER
703	2" RIGID FOUNDATION INSULATION - CONTINUOUS
704	BATT INSULATION WITH VAPOR BARRIER
705	2" RIGID INSULATION - CONTINUOUS
706	PRE-FINISHED METAL FLASHING - CONTINUOUS
707	PRE-FINISHED METAL SOFFIT, PERFORATED
708	PRE-FINISHED METAL FASCIA
711	STANDING SEAM METAL ROOF SYSTEM
712	PRIMARY UNDERLAYMENT
713	FULL ICE AND WATER SHIELD
714	1/2" ASPHALTIC EXPANSION JOINT MATERIAL - CONTINUOUS
716	SNOW GUARD
718	HIGH PERFORMANCE BATT INSULATION WITH VAPOR BARRIER
901	5/8" TYPE 'X' GYPSUM BOARD
903	SUSPENDED ACOUSTICAL TILE CEILING AND SUSPENSION GRID SYSTEM
908	PLASTER ON METAL LATH CEILING AND BLACK IRON SUSPENSION SYSTEM
910	WOOD CHAIR RAIL

LICENSED ARCHITECT
JAMES W. HOAGLAND
AR-98339
02/01/2023
STATE OF IDAHO

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DRAWING NO.:
A4.4

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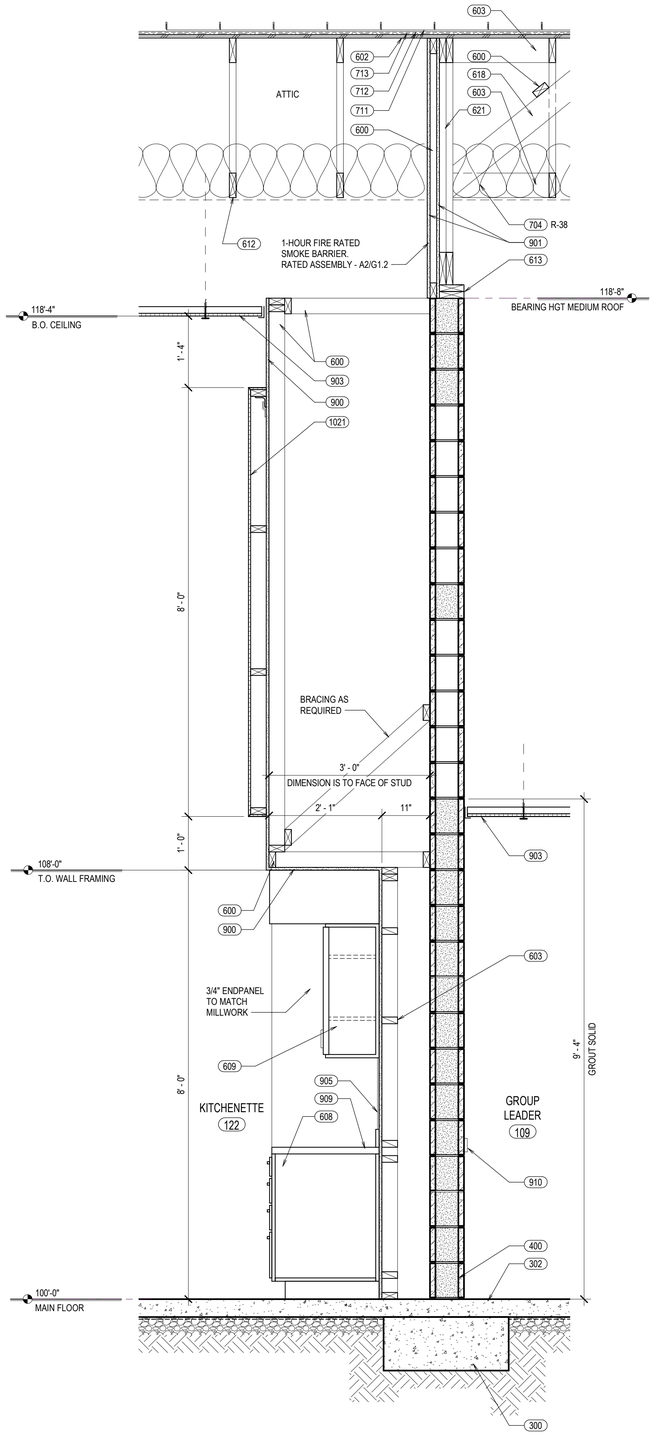
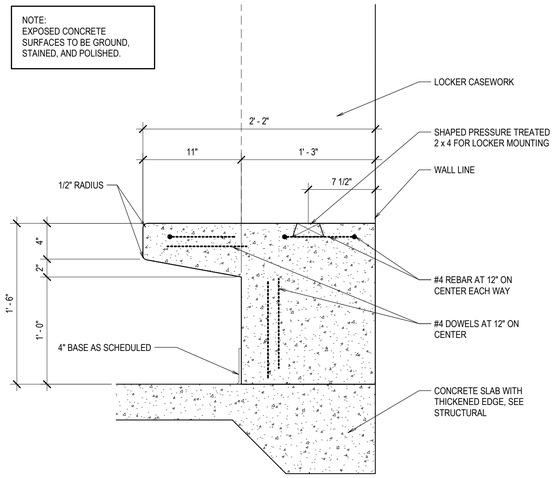


A A4.5 WALL SECTION

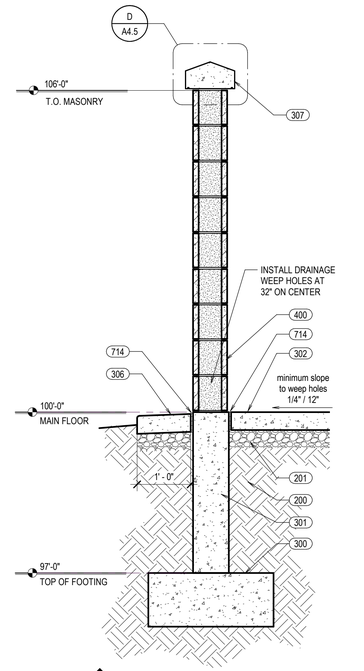
SCALE: 3/4" = 1'-0"

NOTE:
EXPOSED CONCRETE
SURFACES TO BE GROUND,
STAINED, AND POLISHED.



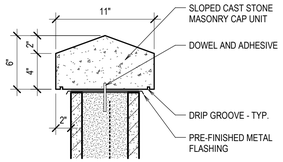
C A4.5 DETAIL

SCALE: 1 1/2" = 1'-0"



B A4.5 WALL SECTION

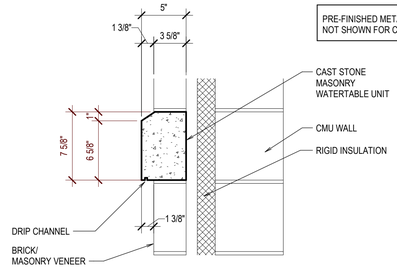
SCALE: 3/4" = 1'-0"



USE EXTERIOR SEALANT AND BACKER ROD BETWEEN SEGMENTS OF PRECAST CAP

D A4.5 DETAIL

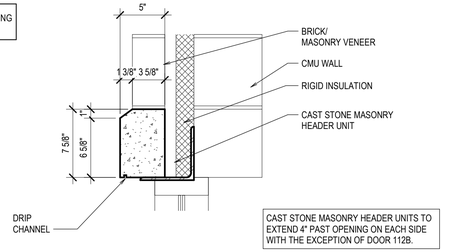
SCALE: 1 1/2" = 1'-0"



PRE-FINISHED METAL FLASHING NOT SHOWN FOR CLARITY

E A4.5 DETAIL

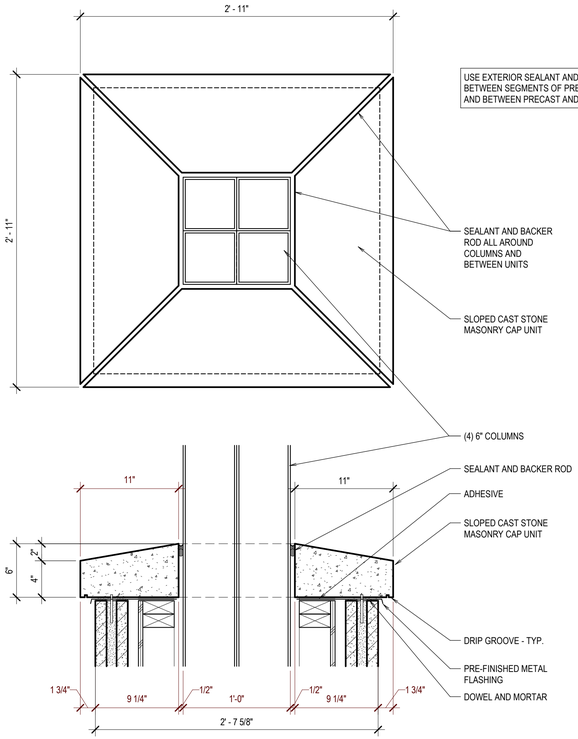
SCALE: 1 1/2" = 1'-0"



CAST STONE MASONRY HEADER UNITS TO EXTEND 4" PAST OPENING ON EACH SIDE WITH THE EXCEPTION OF DOOR 112B.

F A4.5 DETAIL

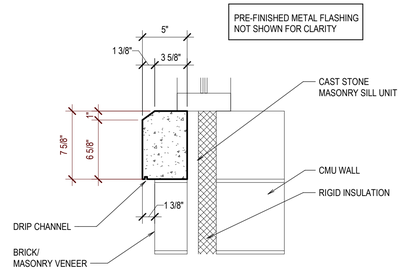
SCALE: 1 1/2" = 1'-0"



USE EXTERIOR SEALANT AND BACKER ROD BETWEEN SEGMENTS OF PRECAST CAP AND BETWEEN PRECAST AND COLUMNS.

H A4.5 DETAIL

SCALE: 1 1/2" = 1'-0"



CAST STONE MASONRY SILL UNITS TO EXTEND 4" PAST TGE OPENING ON EACH SIDE.

G A4.5 DETAIL

SCALE: 1 1/2" = 1'-0"

KEYNOTE LEGEND

200	COMPACTED ENGINEERED FILL
201	COMPACTED DRAINAGE COARSE (4" MINIMUM DEPTH)
300	REINFORCED CONCRETE FOOTING - SEE STRUCTURAL
301	REINFORCED CONCRETE FOUNDATION WALL - SEE STRUCTURAL
302	REINFORCED CONCRETE SLAB - SEE STRUCTURAL
306	4" THICK CONCRETE MOW STRIP
307	CAST STONE MASONRY CAP
400	8" x 8"x 16" CMU
600	2 x 4 WOOD FRAMING - FRAMING
602	WOOD SHEATHING - SEE STRUCTURAL
603	2x WOOD BLOCKING - TYP.
608	WALL MOUNTED BASE CABINET
609	WALL MOUNTED UPPER CABINET WITH BLOCKING
612	PRE-ENGINEERED WOOD TRUSS, SEE STRUCTURAL
613	PRESSURE TREATED SILL PLATE, SEE STRUCTURAL
618	2 x 6 WOOD FRAMING
621	DRAG STRUT TRUSS - SEE STRUCTURAL
704	BATT INSULATION WITH VAPOR BARRIER
711	STANDING SEAM METAL ROOF SYSTEM
712	PRIMARY UNDERLAYMENT
713	FULL ICE AND WATER SHIELD
714	1/2" ASPHALTIC EXPANSION JOINT MATERIAL - CONTINUOUS
900	5/8" GYPSUM BOARD
901	5/8" TYPE 'X' GYPSUM BOARD
903	SUSPENDED ACOUSTICAL TILE CEILING AND SUSPENSION GRID SYSTEM
905	WALL TILE
909	QUARTZ COUNTERTOP AND 4" BACK SPLASH
910	WOOD CHAIR RAIL
1021	ACOUSTIC PANEL

LICENSED ARCHITECT
JOSHUA C. HOLT
AR-20239
02/01/2023
STATE OF IDAHO

nbwarchitects p.a.
ARCHITECTURE/PLANNING/INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8779 (F) 208.522.8795 (W) nbwarchitects.com

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
WALL SECTIONS

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:
A4.5

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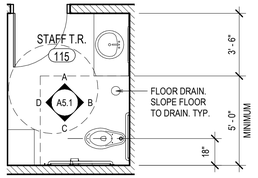
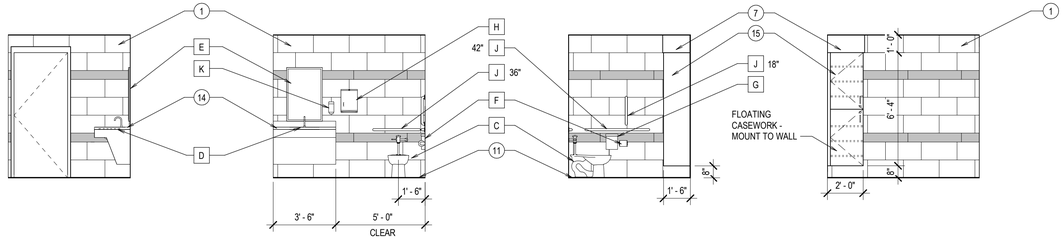


1 A5.1 ENLARGED STAFF T.R.

SCALE: 1/4" = 1'-0"

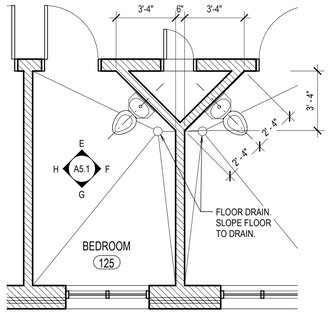


A A5.1 ELEVATION — SCALE: 1/4" = 1'-0"

B A5.1 ELEVATION — SCALE: 1/4" = 1'-0"

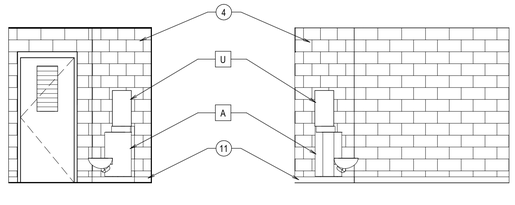
C A5.1 ELEVATION — SCALE: 1/4" = 1'-0"

D A5.1 ELEVATION — SCALE: 1/4" = 1'-0"

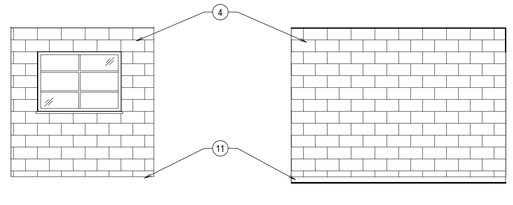


2 A5.1 ENLARGED BED ROOM, TYP.

SCALE: 1/4" = 1'-0"



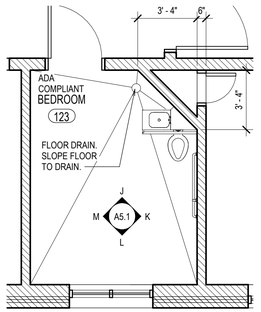
E A5.1 ELEVATION — SCALE: 1/4" = 1'-0"



F A5.1 ELEVATION — SCALE: 1/4" = 1'-0"

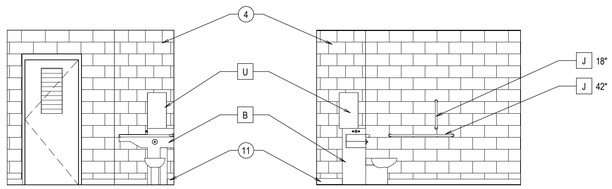
G A5.1 ELEVATION — SCALE: 1/4" = 1'-0"

H A5.1 ELEVATION — SCALE: 1/4" = 1'-0"



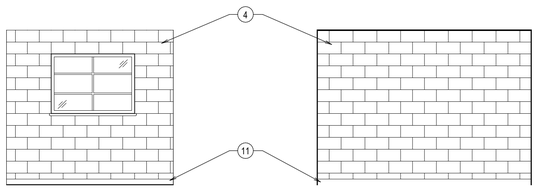
3 A5.1 ENLARGED ADA BED ROOM, TYP.

SCALE: 1/4" = 1'-0"



J A5.1 ELEVATION — SCALE: 1/4" = 1'-0"

K A5.1 ELEVATION — SCALE: 1/4" = 1'-0"



L A5.1 ELEVATION — SCALE: 1/4" = 1'-0"

M A5.1 ELEVATION — SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL RESOLVE ALL DIMENSIONAL OR OTHER DISCREPANCIES, DURING LAYOUT WITH ARCHITECT, PRIOR TO BEGINNING CONSTRUCTION.
2. ALL WALL-MOUNTED CASEWORK, MILLWORK, GRAB BARS, HARDWARE, EQUIPMENT, ETC. (INCLUDING OWNER FURNISHED ITEMS) SHALL BE ANCHORED TO WOOD BLOCKING BETWEEN STUDS, U.N.O. COORDINATE BLOCKING PRIOR TO INSTALLING WALL FINISHES.
3. CAULK ALL INTERIOR JOINTS AND CORNERS, U.N.O.
4. EXTEND NON-INSULATED STUD WALLS & GYP. BOARD 12" MIN. ABOVE SUSPENDED CEILING. U.N.O.
5. USE ISOLATION TAPE BETWEEN ALL DIS-SIMILAR METALS.
6. DIMENSION - FACE OF FOUNDATION FOR EXTERIOR WALLS, CENTER LINE FOR INTERIOR WALLS, U.N.O.

○ KEYNOTES

1. WALL TILE, SEE NOTE ON SHEET A5.1
2. PREA COMPLIANT HOLLOW METAL FRAME AND HALF SHOWER DOOR
3. LIGATURE RESISTANT COAT HOOK
4. 8" CONCRETE MASONRY UNIT, FINISHED AS SCHEDULED
5. SHELVING UNIT WITH ADJUSTABLE SHELVES, PLASTIC LAMINATE
6. GYPSUM BOARD, TAPED, TEXTURED AND PAINTED
7. WOOD FILLER/ WOOD SOFFIT
8. CONCRETE BENCH
9. SOUND PANELS
10. MARKER BOARD
11. FLOOR BASE AS SCHEDULED
12. EQUIPMENT BY OWNER
13. STAINLESS STEEL LINEAR FLOOR DRAIN
14. QUARTZ COUNTERTOP AND 4" BACKSPLASH WITH PAINTED METAL SUPPORT BRACKETS WHERE SHOWN.
15. LOCKABLE CASEWORK, PLASTIC LAMINATE. CONFIGURATION/ADJUSTIBLE SHELVES AS SHOWN. LOCKS: KEY ALIKE.
16. SOLID SURFACE WINDOW SILL
17. HOLLOW METAL DOOR/WINDOW AND FRAME. PAINT.
18. OPEN LOCKER UNIT. SOLID WOOD.
19. 18" W x 15" D DOUBLE TIER METAL LOCKER WITH 4" BASE AND SLOPED TOP
20. LOCKABLE FILING CABINET WITH (2) PENCIL DRAWERS, PLASTIC LAMINATE
21. STAINLESS STEEL EDGE PROFILE, TYPICAL
22. WASHER / DRYER FURNISHED BY CONTRACTOR, SEE MECHANICAL. BOLT TO FLOOR /WALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
23. COLORED CMU WAINSCOT, SEE DETAIL 1/A6.4
24. WATER SOFTENER
25. 15" W x 21" D DOUBLE TIER METAL LOCKER WITH 4" BASE AND SLOPED TOP
26. 15" W x 21" D SINGLE TIER METAL LOCKER WITH 4" BASE AMD SLOPED TOP

☐ FIXTURES / ACCESSORIES KEY

A. COMBINATION LAVATORY/TOILET UNIT FOR USE ON 45 DEGREE CHASE WALL

B. COMBINATION LAVATORY/TOILET UNIT FOR USE ON 45 DEGREE CHASE WALL WITH BUILT-IN GRAB BAR, ADA COMPLIANT

C. FLOOR MOUNTED TOILET

D. ADA COMPLIANT VANITY WITH UNDERMOUNT SINK

E. MIRROR - 2' x 3'

F. TOILET PAPER DISPENSER

G. SANITARY NAPKIN DISPOSAL

H. PAPER TOWEL DISPENSER

J. LIGATURE RESISTANT GRAB BARS

K. SOAP DISPENSER

L. 30" WIDE INSTITUTIONAL GRADE S.S. LIGATURE RESISTANT SHOWER SEAT

M. LIGATURE RESISTANT SHOWER FIXTURE WITH ANTI-PICK SURROUND, ADA WHERE INDICATED

N. HEAVY DUTY UTILITY SINK, SEE MECHANICAL

P. DRINKING FOUNTAIN WITH BOTTLE FILLER, ADA COMPLIANT

Q. JANITOR SINK, SEE MECHANICAL

R. EYEWASH STATION, SEE MECHANICAL

S. SEMI-RECESSED FIRE EXTINGUISHER CABINET, 1-HOUR FIRE RATED IN CORRIDOR AND LOBBY AREA

T. STAINLESS STEEL UTILITY SHELF

U. ONE PIECE SECURITY MIRROR, 18" x 24", WITH ANTI-PICK SURROUND

V. LIGATURE RESISTANT FREESTANDING SHOWER SEAT, CONTRACTOR PROVIDED

NOTE:
1. SEE SHEET G2.1 FOR FIXTURES AND ACCESSORIES ANSI MOUNTING HEIGHTS.
2. SOME NOTES MAY NOT BE USED ON ALL A5 SHEETS.

LICENSED ARCHITECT
JOSHUA H. WHITE
AR-20139
STATE OF IDAHO
02/01/2023

nbwarchitects p.a.
ARCHITECTURE/PLANNING/INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8795 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N

ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ENLARGED PLANS AND INTERIOR ELEVATIONS

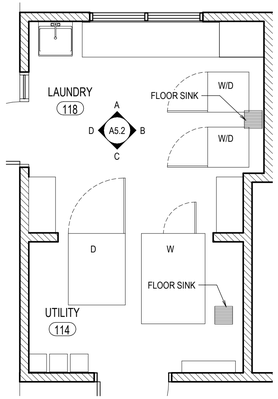
REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

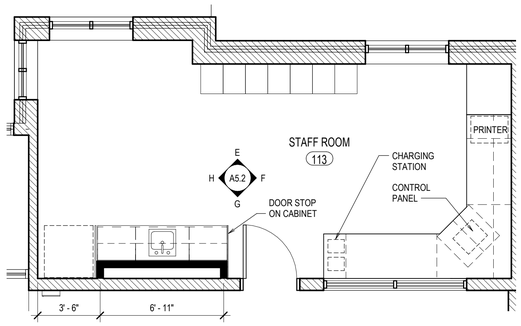
DRAWING NO.:

A5.1

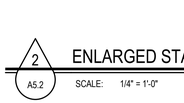
3/28/2023 3:11:53 PM N:\Projects\Other\DPW\DPW 21-725 JCC Cottages - 21023\CAD\Drawings\21023 A1.1_03-17-23.rvt



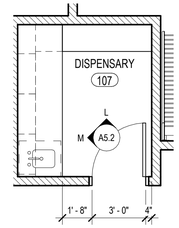
1 A5.2 ENLARGED LAUNDRY ROOM
SCALE: 1/4" = 1'-0"



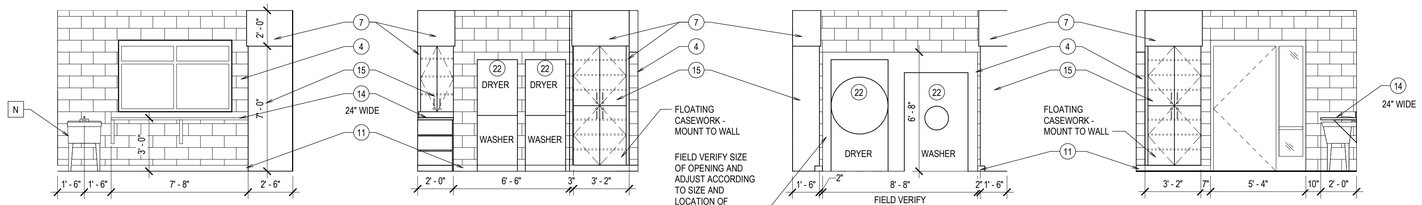
2 A5.2 ENLARGED STAFF ROOM
SCALE: 1/4" = 1'-0"

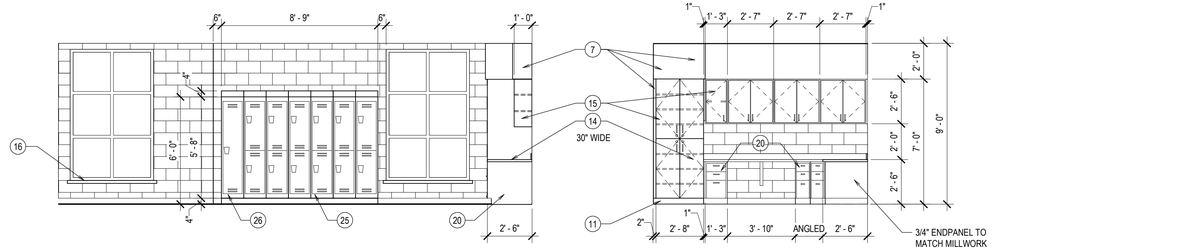


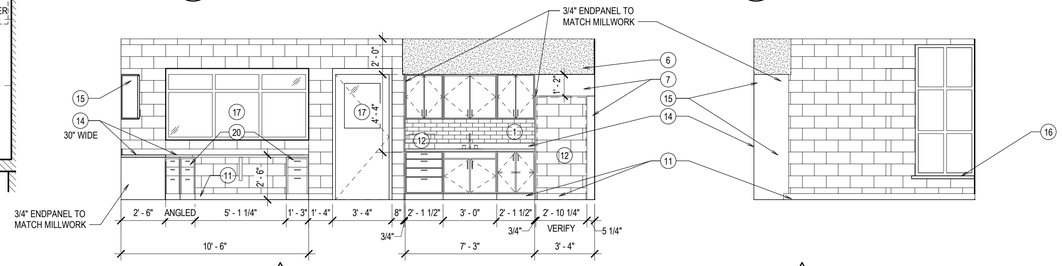
3 A5.2 ENLARGED DRINKING FOUNTAIN
SCALE: 1/4" = 1'-0"

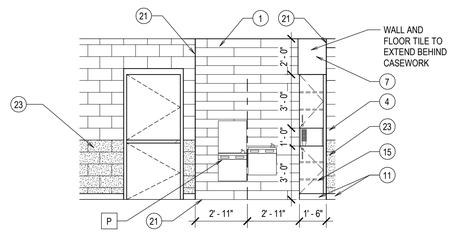


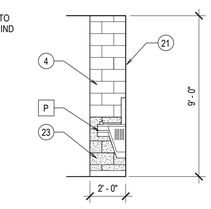
4 A5.2 ENLARGED DISPENSARY
SCALE: 1/4" = 1'-0"

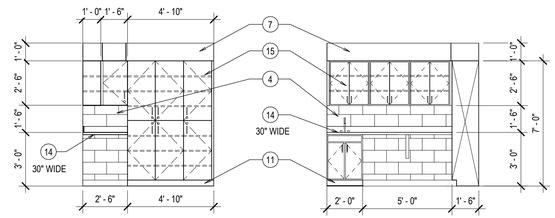


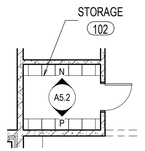












5 A5.2 ENLARGED STORAGE 102
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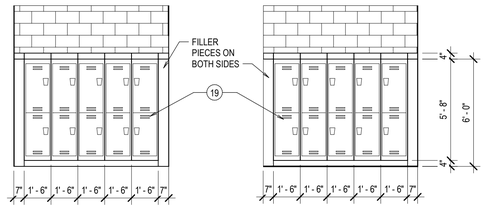

GENERAL NOTES

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2. ALL WALL-MOUNTED CASEWORK, MILLWORK, GRAB BARS, HARDWARE, EQUIPMENT, ETC. (INCLUDING OWNER FURNISHED ITEMS) SHALL BE ANCHORED TO WOOD BLOCKING BETWEEN STUDS, U.N.O. COORDINATE BLOCKING PRIOR TO INSTALLING WALL FINISHES.
3. CAULK ALL INTERIOR JOINTS AND CORNERS, U.N.O.
4. EXTEND NON-INSULATED STUD WALLS & GYP. BOARD 12" MIN. ABOVE SUSPENDED CEILING, U.N.O.
5. USE ISOLATION TAPE BETWEEN ALL DIS-SIMILAR METALS.
6. DIMENSION - FACE OF FOUNDATION FOR EXTERIOR WALLS, CENTER LINE FOR INTERIOR WALLS, U.N.O.

○ KEYNOTES

1. WALL TILE, SEE NOTE ON SHEET A5.1
2. PREA COMPLIANT HOLLOW METAL FRAME AND HALF SHOWER DOOR
3. LIGATURE RESISTANT COAT HOOK
4. 8" CONCRETE MASONRY UNIT, FINISHED AS SCHEDULED
5. SHELVING UNIT WITH ADJUSTABLE SHELVES, PLASTIC LAMINATE
6. GYPSUM BOARD, TAPED, TEXTURED AND PAINTED
7. WOOD FILLER/ WOOD SOFFIT
8. CONCRETE BENCH
9. SOUND PANELS
10. MARKER BOARD
11. FLOOR BASE AS SCHEDULED
12. EQUIPMENT BY OWNER
13. STAINLESS STEEL LINEAR FLOOR DRAIN
14. QUARTZ COUNTERTOP AND 4" BACKSPLASH WITH PAINTED METAL SUPPORT BRACKETS WHERE SHOWN.
15. LOCKABLE CASEWORK, PLASTIC LAMINATE. CONFIGURATION/ADJUSTIBLE SHELVES AS SHOWN. LOCKS: KEY ALIKE.
16. SOLID SURFACE WINDOW SILL
17. HOLLOW METAL DOOR/WINDOW AND FRAME. PAINT.
18. OPEN LOCKER UNIT. SOLID WOOD.
19. 18" W x 15" D DOUBLE TIER METAL LOCKER WITH 4" BASE AND SLOPED TOP
20. LOCKABLE FILING CABINET WITH (2) PENCIL DRAWERS, PLASTIC LAMINATE
21. STAINLESS STEEL EDGE PROFILE, TYPICAL
22. WASHER / DRYER FURNISHED BY CONTRACTOR, SEE MECHANICAL. BOLT TO FLOOR /WALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
23. COLORED CMU WAINSCOT, SEE DETAIL 1/A6.4
24. WATER SOFTENER
25. 15" W x 21" D DOUBLE TIER METAL LOCKER WITH 4" BASE AND SLOPED TOP
26. 15" W x 21" D SINGLE TIER METAL LOCKER WITH 4" BASE AMD SLOPED TOP

☐ FIXTURES / ACCESSORIES KEY

A. COMBINATION LAVATORY/TOILET UNIT FOR USE ON 45 DEGREE CHASE WALL
B. COMBINATION LAVATORY/TOILET UNIT FOR USE ON 45 DEGREE CHASE WALL WITH BUILT-IN GRAB BAR, ADA COMPLIANT
C. FLOOR MOUNTED TOILET
D. ADA COMPLIANT VANITY WITH UNDERMOUNT SINK
E. MIRROR - 2' x 3'
F. TOILET PAPER DISPENSER
G. SANITARY NAPKIN DISPOSAL
H. PAPER TOWEL DISPENSER
J. LIGATURE RESISTANT GRAB BARS
K. SOAP DISPENSER
L. 30" WIDE INSTITUTIONAL GRADE S.S. LIGATURE RESISTANT SHOWER SEAT
M. LIGATURE RESISTANT SHOWER FIXTURE WITH ANTI-PICK SURROUND, ADA WHERE INDICATED
N. HEAVY DUTY UTILITY SINK, SEE MECHANICAL
P. DRINKING FOUNTAIN WITH BOTTLE FILLER, ADA COMPLIANT
Q. JANITOR SINK, SEE MECHANICAL
R. EYEWASH STATION, SEE MECHANICAL
S. SEMI-RECESSED FIRE EXTINGUISHER CABINET, 1-HOUR FIRE RATED IN CORRIDOR AND LOBBY AREA
T. STAINLESS STEEL UTILITY SHELF
U. ONE PIECE SECURITY MIRROR, 18" x 24", WITH ANTI-PICK SURROUND
V. LIGATURE RESISTANT FREESTANDING SHOWER SEAT, CONTRACTOR PROVIDED

NOTE:
1. SEE SHEET G2.1 FOR FIXTURES AND ACCESSORIES ANSI MOUNTING HEIGHTS.
2. SOME NOTES MAY NOT BE USED ON ALL A5 SHEETS.

LICENSED ARCHITECT
JOSHUA H. WHITE
JW-15139
02/01/2023
STATE OF IDAHO

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8779 (F) 208.522.8785 (W) nbwarchitects.com

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ENLARGED PLANS AND INTERIOR ELEVATIONS

REVISIONS

NBW PROJECT NO. 21023
DATE: DECEMBER 2022
DRAWN BY: KP
CHECKED BY: JHW

DRAWING NO.:

A5.2

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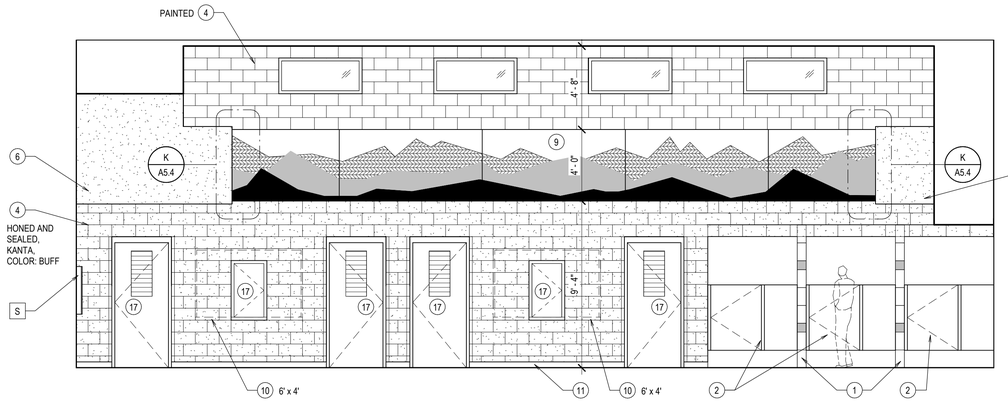
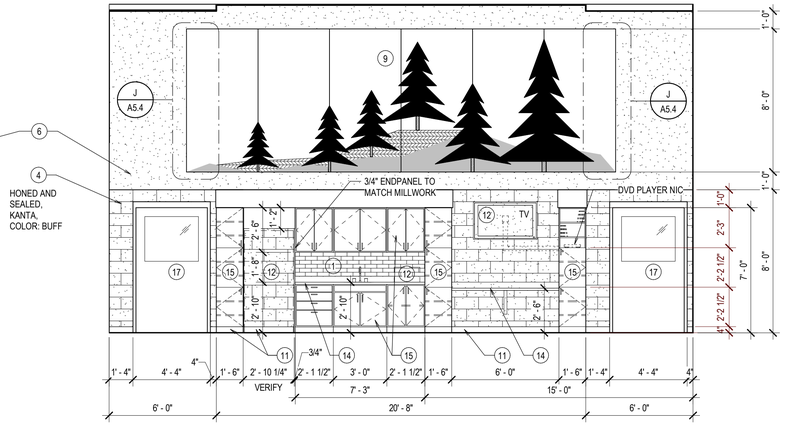


A ELEVATION
A5.3 SCALE: 1/4" = 1'-0"



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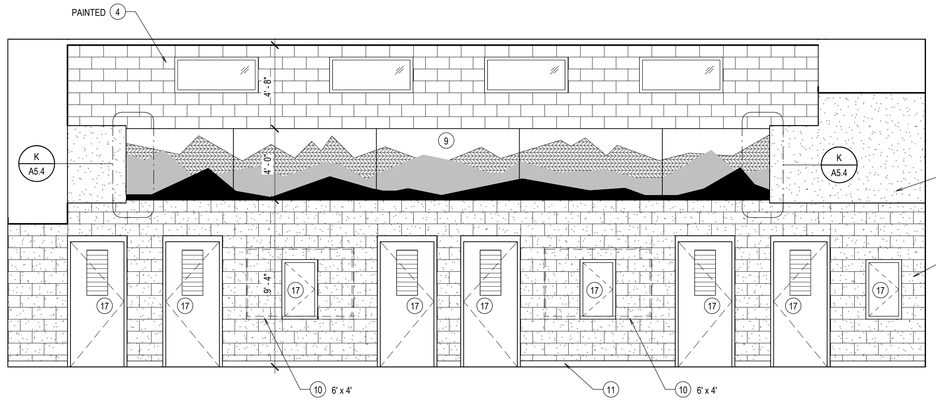
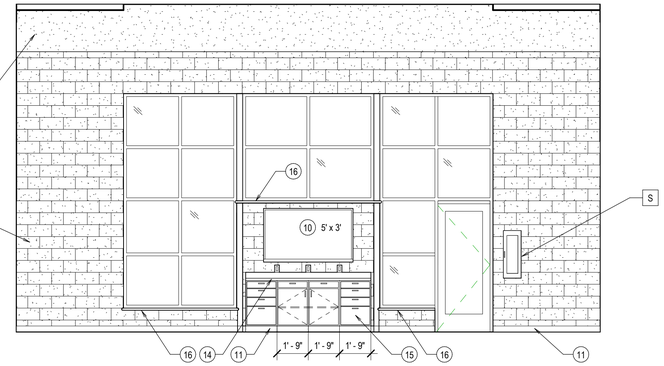
A5.3 SCALE: 1/4" = 1'-0"



C ELEVATION
A5.3 SCALE: 1/4" = 1'-0"



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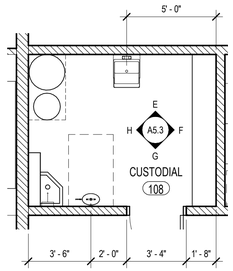
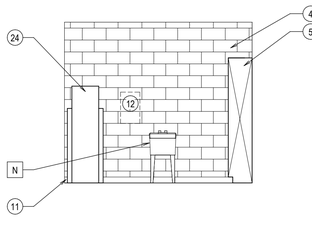
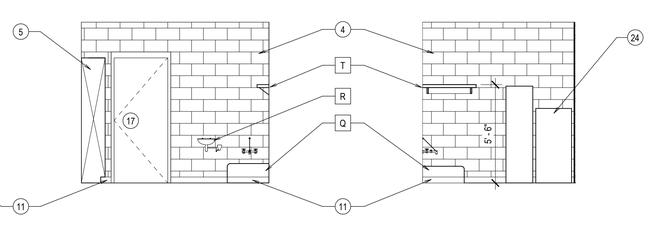


1 ENLARGED CUSTODIAL ROOM
A5.3 SCALE: 1/4" = 1'-0"



E ELEVATION
A5.3 SCALE: 1/4" = 1'-0"

F ELEVATION
A5.3 SCALE: 1/4" = 1'-0"



G ELEVATION
A5.3 SCALE: 1/4" = 1'-0"

H ELEVATION
A5.3 SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL RESOLVE ALL DIMENSIONAL OR OTHER DISCREPANCIES, DURING LAYOUT WITH ARCHITECT, PRIOR TO BEGINNING CONSTRUCTION.
2. ALL WALL-MOUNTED CASEWORK, MILLWORK, GRAB BARS, HARDWARE, EQUIPMENT, ETC. (INCLUDING OWNER FURNISHED ITEMS) SHALL BE ANCHORED TO WOOD BLOCKING BETWEEN STUDS, U.N.O. COORDINATE BLOCKING PRIOR TO INSTALLING WALL FINISHES.
3. CAULK ALL INTERIOR JOINTS AND CORNERS, U.N.O.
4. EXTEND NON-INSULATED STUD WALLS & GYP. BOARD 12" MIN. ABOVE SUSPENDED CEILING. U.N.O.
5. USE ISOLATION TAPE BETWEEN ALL DIS-SIMILAR METALS.
6. DIMENSION - FACE OF FOUNDATION FOR EXTERIOR WALLS, CENTER LINE FOR INTERIOR WALLS, U.N.O.

○ KEYNOTES

1. WALL TILE, SEE NOTE ON SHEET A5.1
2. PREA COMPLIANT HOLLOW METAL FRAME AND HALF SHOWER DOOR
3. LIGATURE RESISTANT COAT HOOK
4. 8" CONCRETE MASONRY UNIT, FINISHED AS SCHEDULED
5. SHELVING UNIT WITH ADJUSTABLE SHELVES, PLASTIC LAMINATE
6. GYPSUM BOARD, TAPED, TEXTURED AND PAINTED
7. WOOD FILLER/ WOOD SOFFIT
8. CONCRETE BENCH
9. SOUND PANELS
10. MARKER BOARD
11. FLOOR BASE AS SCHEDULED
12. EQUIPMENT BY OWNER
13. STAINLESS STEEL LINEAR FLOOR DRAIN
14. QUARTZ COUNTERTOP AND 4" BACKSPLASH WITH PAINTED METAL SUPPORT BRACKETS WHERE SHOWN.
15. LOCKABLE CASEWORK, PLASTIC LAMINATE. CONFIGURATION/ADJUSTIBLE SHELVES AS SHOWN. LOCKS: KEY ALIKE.
16. SOLID SURFACE WINDOW SILL
17. HOLLOW METAL DOOR/WINDOW AND FRAME. PAINT.
18. OPEN LOCKER UNIT. SOLID WOOD.
19. 18" W x 15" D DOUBLE TIER METAL LOCKER WITH 4" BASE AND SLOPED TOP
20. LOCKABLE FILING CABINET WITH (2) PENCIL DRAWERS, PLASTIC LAMINATE
21. STAINLESS STEEL EDGE PROFILE, TYPICAL
22. WASHER / DRYER FURNISHED BY CONTRACTOR, SEE MECHANICAL. BOLT TO FLOOR /WALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
23. COLORED CMU WAINSCOT, SEE DETAIL 1/A6.4
24. WATER SOFTENER
25. 15" W x 21" D DOUBLE TIER METAL LOCKER WITH 4" BASE AND SLOPED TOP
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NOTE:
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LICENSED ARCHITECT JOSHUA H. WHITE ID-21239 02/01/2023 STATE OF IDAHO

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DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ENLARGED PLANS AND INTERIOR ELEVATIONS

REVISIONS

NBW PROJECT NO. 21023
DATE: DECEMBER 2022
DRAWN BY: KP
CHECKED BY: JHW

DRAWING NO.: A5.3

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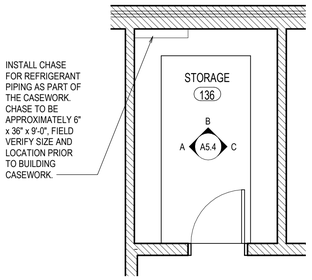
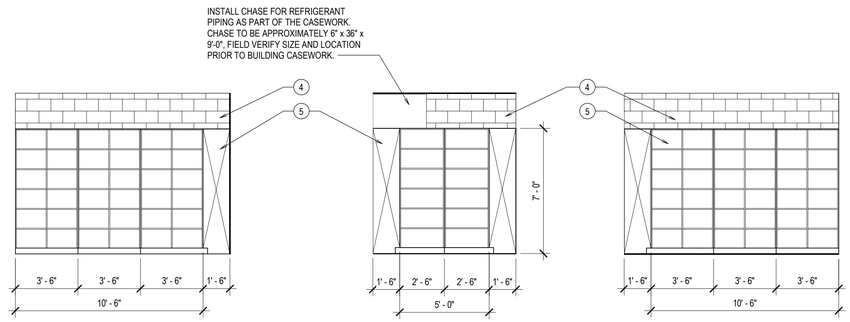


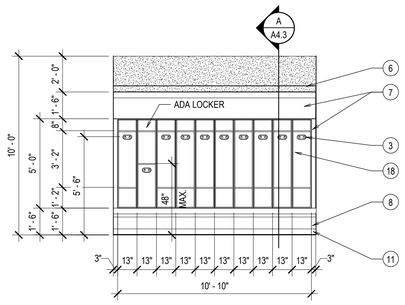
1 A5.4 ENLARGED STORAGE 136
SCALE: 1/4" = 1'-0"



A A5.4 ELEVATION
SCALE: 1/4" = 1'-0"

B A5.4 ELEVATION
SCALE: 1/4" = 1'-0"

C A5.4 ELEVATION
SCALE: 1/4" = 1'-0"



D A5.4 ELEVATION
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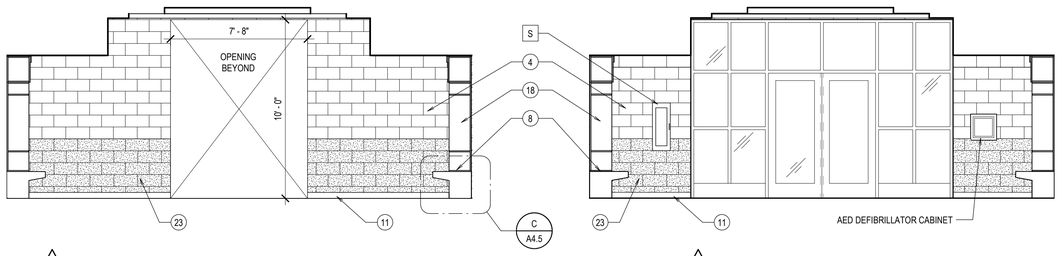
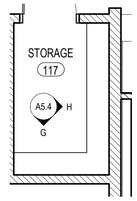


E A5.4 ELEVATION
SCALE: 1/4" = 1'-0"

F A5.4 ELEVATION
SCALE: 1/4" = 1'-0"



2 A5.4 ENLARGED STORAGE 117
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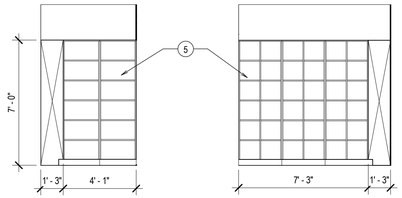
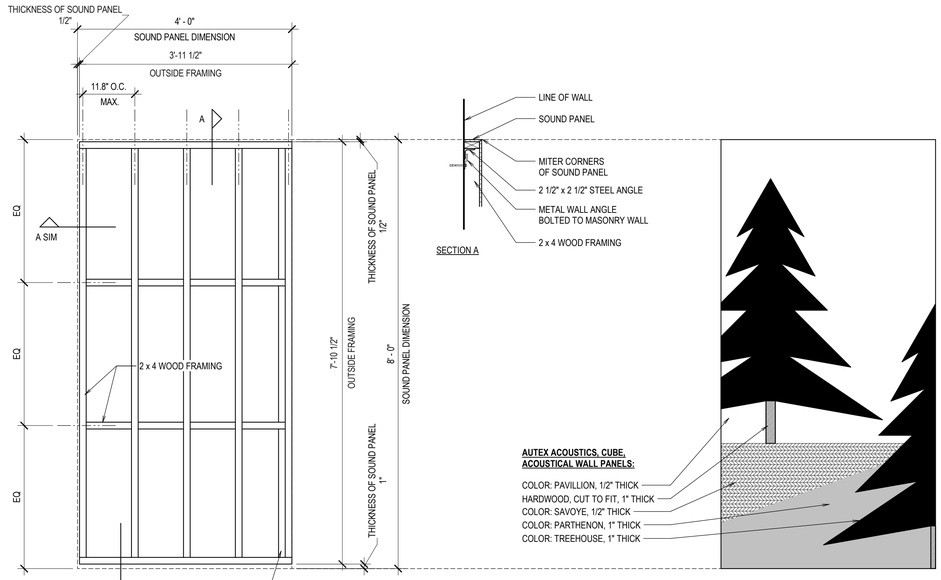


G A5.4 ELEVATION
SCALE: 1/4" = 1'-0"

H A5.4 ELEVATION
SCALE: 1/4" = 1'-0"



J A5.4 DETAIL
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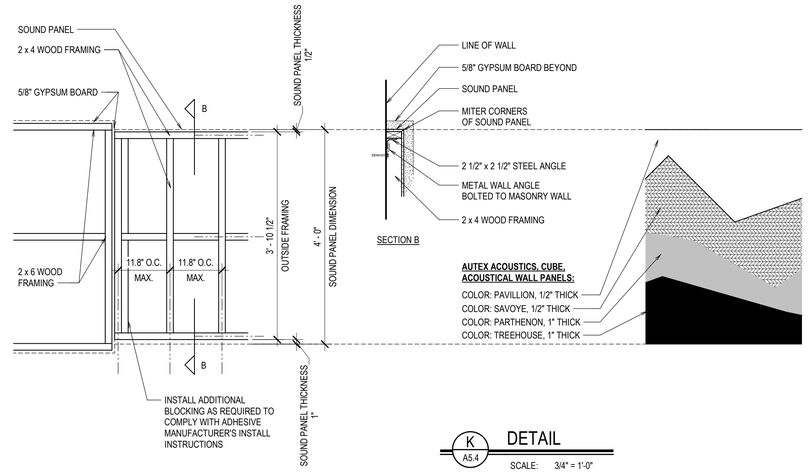

K A5.4 DETAIL
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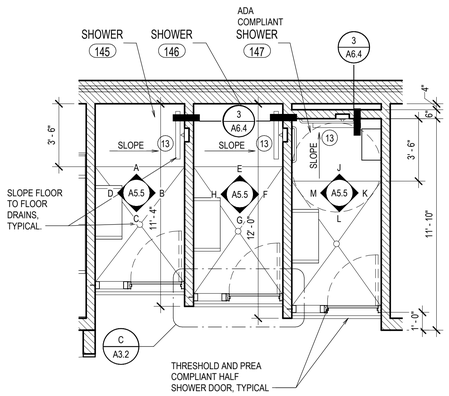
REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

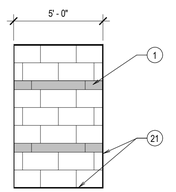
DRAWING NO.:
A5.4

3/28/2023 3:16:30 PM N:\Projects\Other\DPW\DPW 21-725 JCC Cottages - 21023\CAD\Drawings\21023 A1.1_03-17-23.rvt



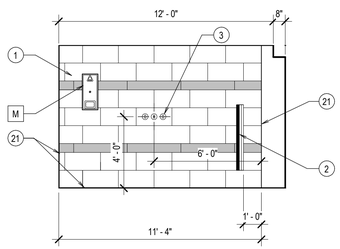
1 A5.5 ENLARGED SHOWER PLAN

SCALE: 1/4" = 1'-0"



A A5.5 ELEVATION

SCALE: 1/4" = 1'-0"



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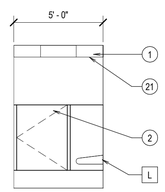

C A5.5 ELEVATION

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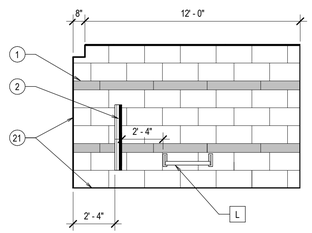

D A5.5 ELEVATION

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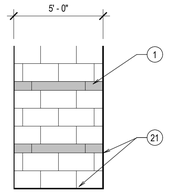

E A5.5 ELEVATION

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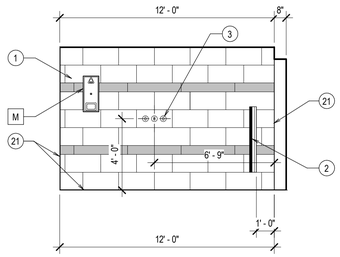

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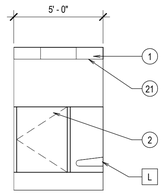

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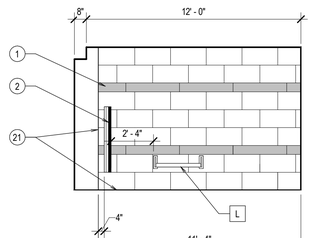
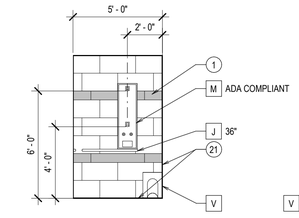


H A5.5 ELEVATION

SCALE: 1/4" = 1'-0"



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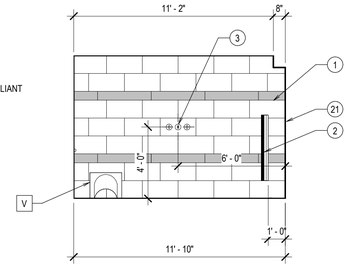

K A5.5 ELEVATION

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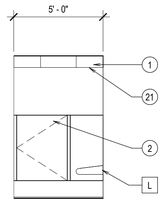
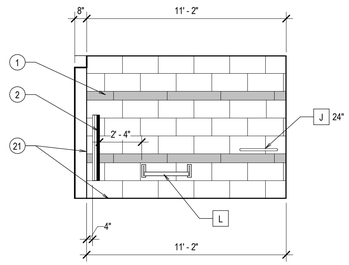


L A5.5 ELEVATION

SCALE: 1/4" = 1'-0"



M A5.5 ELEVATION

SCALE: 1/4" = 1'-0"

○ KEYNOTES

1. WALL TILE, SEE NOTE ON SHEET A5.1
2. PREA COMPLIANT HOLLOW METAL FRAME AND HALF SHOWER DOOR
3. LIGATURE RESISTANT COAT HOOK
4. 8" CONCRETE MASONRY UNIT, FINISHED AS SCHEDULED
5. SHELVING UNIT WITH ADJUSTABLE SHELVES, PLASTIC LAMINATE
6. GYPSUM BOARD, TAPED, TEXTURED AND PAINTED
7. WOOD FILLER/ WOOD SOFFIT
8. CONCRETE BENCH
9. SOUND PANELS
10. MARKER BOARD
11. FLOOR BASE AS SCHEDULED
12. EQUIPMENT BY OWNER
13. STAINLESS STEEL LINEAR FLOOR DRAIN
14. QUARTZ COUNTERTOP AND 4" BACKSPLASH WITH PAINTED METAL SUPPORT BRACKETS WHERE SHOWN.
15. LOCKABLE CASEWORK, PLASTIC LAMINATE. CONFIGURATION/ADJUSTIBLE SHELVES AS SHOWN. LOCKS: KEY ALIKE.
16. SOLID SURFACE WINDOW SILL
17. HOLLOW METAL DOOR/WINDOW AND FRAME. PAINT.
18. OPEN LOCKER UNIT. SOLID WOOD.
19. 18" W x 15" D DOUBLE TIER METAL LOCKER WITH 4" BASE AND SLOPED TOP
20. LOCKABLE FILING CABINET WITH (2) PENCIL DRAWERS, PLASTIC LAMINATE
21. STAINLESS STEEL EDGE PROFILE, TYPICAL
22. WASHER / DRYER FURNISHED BY CONTRACTOR, SEE MECHANICAL. BOLT TO FLOOR /WALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
23. COLORED CMU WAINSCOT, SEE DETAIL 1/A6.4
24. WATER SOFTENER
25. 15" W x 21" D DOUBLE TIER METAL LOCKER WITH 4" BASE AND SLOPED TOP
26. 15" W x 21" D SINGLE TIER METAL LOCKER WITH 4" BASE AMD SLOPED TOP

□ FIXTURES / ACCESSORIES KEY

A. COMBINATION LAVATORY/TOILET UNIT FOR USE ON 45 DEGREE CHASE WALL

B. COMBINATION LAVATORY/TOILET UNIT FOR USE ON 45 DEGREE CHASE WALL WITH BUILT-IN GRAB BAR, ADA COMPLIANT

C. FLOOR MOUNTED TOILET

D. ADA COMPLIANT VANITY WITH UNDERMOUNT SINK

E. MIRROR - 2' x 3'

F. TOILET PAPER DISPENSER

G. SANITARY NAPKIN DISPOSAL

H. PAPER TOWEL DISPENSER

J. LIGATURE RESISTANT GRAB BARS

K. SOAP DISPENSER

L. 30" WIDE INSTITUTIONAL GRADE S.S. LIGATURE RESISTANT SHOWER SEAT

M. LIGATURE RESISTANT SHOWER FIXTURE WITH ANTI-PICK SURROUND, ADA WHERE INDICATED

N. HEAVY DUTY UTILITY SINK, SEE MECHANICAL

P. DRINKING FOUNTAIN WITH BOTTLE FILLER, ADA COMPLIANT

Q. JANITOR SINK, SEE MECHANICAL

R. EYEWASH STATION, SEE MECHANICAL

S. SEMI-RECESSED FIRE EXTINGUISHER CABINET, 1-HOUR FIRE RATED IN CORRIDOR AND LOBBY AREA

T. STAINLESS STEEL UTILITY SHELF

U. ONE PIECE SECURITY MIRROR, 18" x 24", WITH ANTI-PICK SURROUND

V. LIGATURE RESISTANT FREESTANDING SHOWER SEAT, CONTRACTOR PROVIDED

NOTE:
1. SEE SHEET G2.1 FOR FIXTURES AND ACCESSORIES ANSI MOUNTING HEIGHTS.
2. SOME NOTES MAY NOT BE USED ON ALL A5 SHEETS.

NOT FOR CONSTRUCTION PURPOSES

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ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8795 (F) 208.522.8795 (W) nbwarchitects.com

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
ENLARGED PLANS AND INTERIOR ELEVATIONS

REVISIONS

PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:
A5.5

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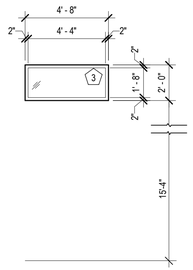

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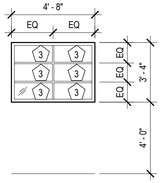

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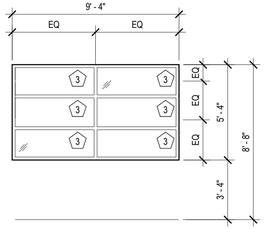

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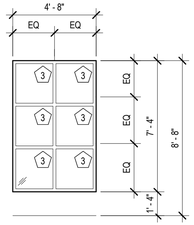

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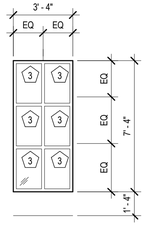

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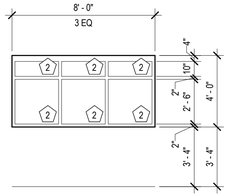

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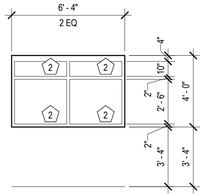
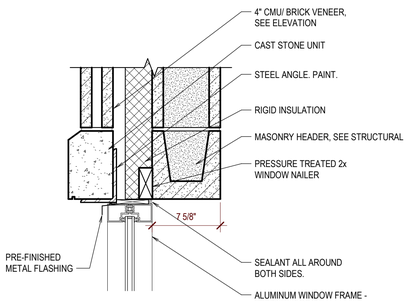


G

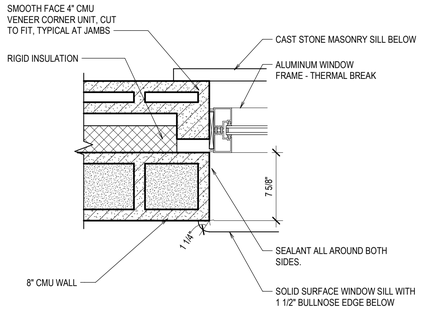
WINDOW TYPES

SCALE: 1/4" = 1'-0"



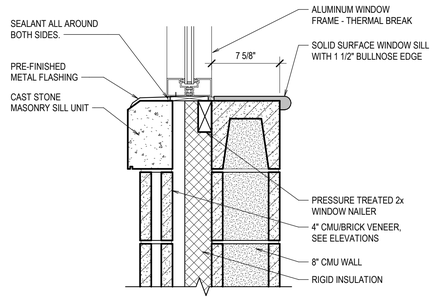
1 A6.1 HEAD

SCALE: 1 1/2" = 1'-0"



2 A6.1 JAMB

SCALE: 1 1/2" = 1'-0"



3 A6.1 SILL

SCALE: 1 1/2" = 1'-0"

GLAZING TYPE KEY

1	NOT USED
2	FIRE RATED, INSULATING, LAMINATED SAFETY GLAZING - CLEAR
3	INSULATING, LAMINATED SAFETY GLAZING - TINTED

WINDOW SCHEDULE

WINDOW MARK	SIZE WIDTH	SIZE HEIGHT	FRAME TYPE	FRAME MATERIAL	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	FIRE RATING	WINDOW BLINDS	REMARKS
MAIN FLOOR										
106	9'-4"	5'-4"	C	AL	1/A6.1	2/A.6.1	3/A6.1	--	YES	
111A	4'-8"	7'-4"	D	AL	1/A6.1 SIM	2,4/A.6.1 SIM	3/A6.1 SIM	--	YES	
111B	3'-4"	7'-4"	E	AL	1/A6.1 SIM	2,4/A.6.1 SIM	3/A6.1 SIM	--	YES	
113A	4'-8"	7'-4"	D	AL	1/A6.1 SIM	2,4/A.6.1 SIM	3/A6.1 SIM	--	YES	
113B	3'-4"	7'-4"	E	AL	1/A6.1 SIM	2,4/A.6.1 SIM	3/A6.1 SIM	--	YES	
113C	4'-8"	7'-4"	D	AL	1/A6.1	2/A.6.1	3/A6.1	--	YES	
113D	8'-0"	4'-0"	F	HM	5/A6.1	6/A6.1	5/A6.1 SIM	45	YES	
118	6'-4"	4'-0"	G	HM	5/A6.1	6/A6.1	5/A6.1 SIM	45		
119	9'-4"	5'-4"	C	AL	1/A6.1	2/A.6.1	3/A6.1	--	YES	
123	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
124	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
125	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
126	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
127	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
128	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
129	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
130	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
131	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
132	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
139	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
140	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
141	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
142	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
143	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
144	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
148	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
149	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
150	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
151	4'-8"	3'-4"	B	STEEL	10/A6.1	11/A.6.1	12/A6.1	--	NO	
MEZZANINE										
121A	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	
121B	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	
121C	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	
121D	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	
121E	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	
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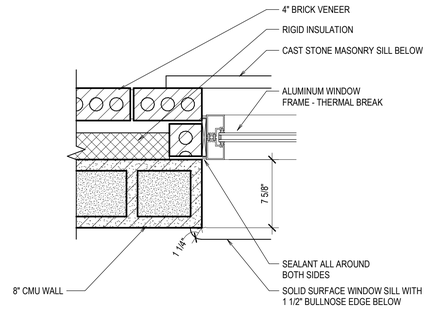
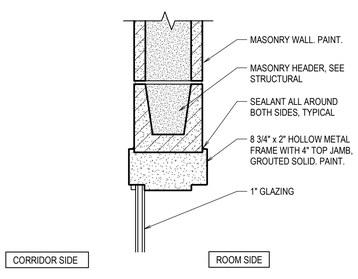
121G	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	
121H	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	
137A	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	
137B	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	
137C	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	
137D	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	
137E	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	
137F	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	
137G	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	
137H	4'-8"	2'-0"	A	AL	7/A6.1	8/A6.1	9/A6.1	--	NO	



4 A6.1 JAMB

SCALE: 1 1/2" = 1'-0"



5 A6.1 HEAD

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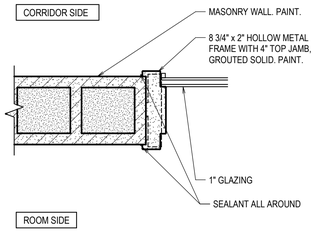

6 A6.1 JAMB

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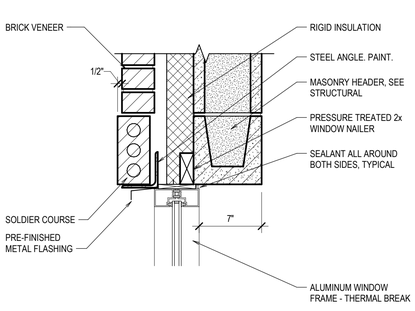

7 A6.1 HEAD

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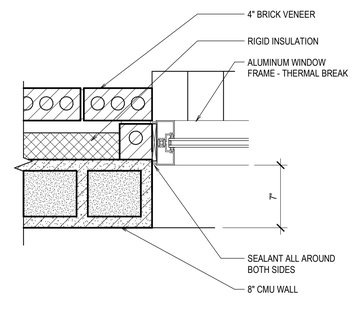

8 A6.1 JAMB

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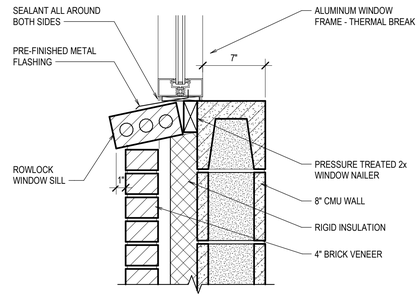

9 A6.1 SILL

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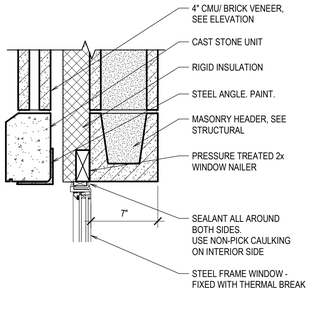

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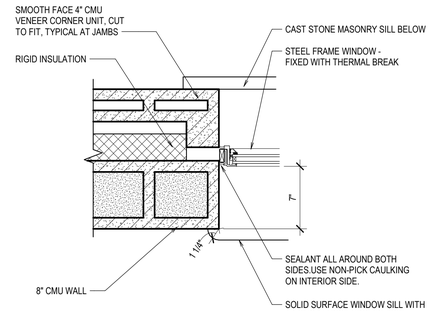

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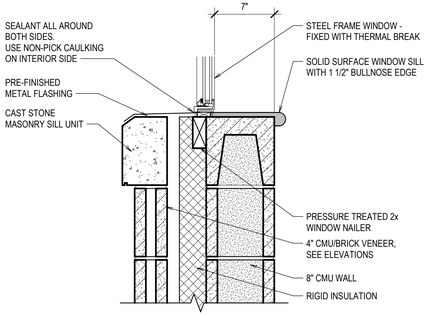

12 A6.1 SILL

SCALE: 1 1/2" = 1'-0"

LICENSED ARCHITECT JA-20339 AMANDA J. WARD 02/01/2023 JAMES W. HOIT STATE OF IDAHO

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(P) 208.522.8775 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N

ST. ANTHONY, IDAHO 83445

WINDOW SCHEDULE AND DETAILS

PROJECT:

SHEET TITLE:

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:

A6.1

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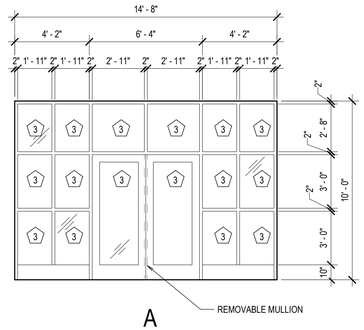

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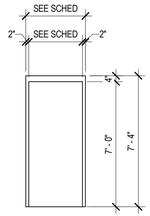

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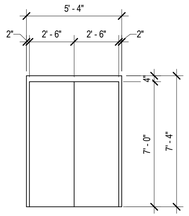

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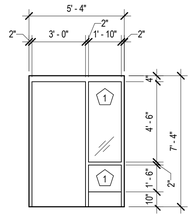

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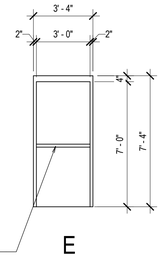

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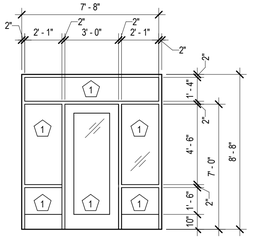

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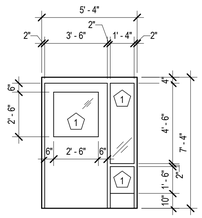

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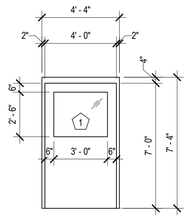

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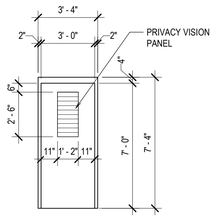

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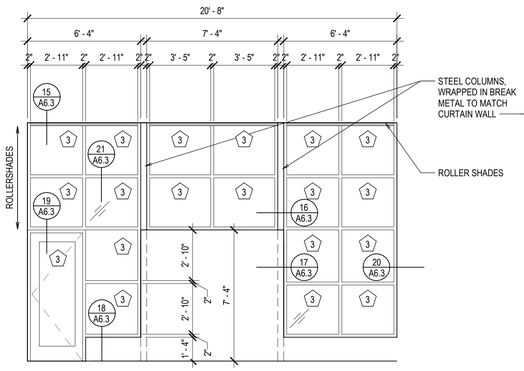

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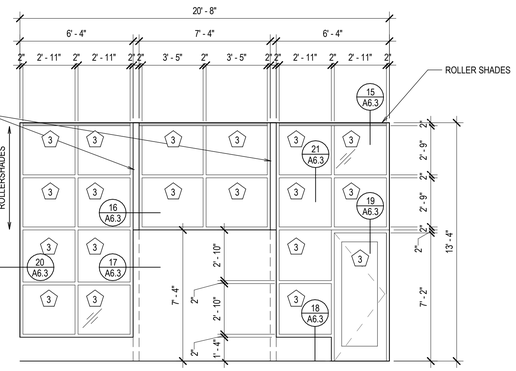


L

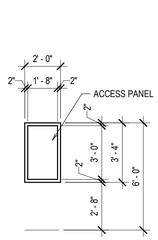
DOOR SCHEDULE

DOOR NUMBER	LOCATION FROM ROOM #	LOCATION FROM NAME	LOCATION TO ROOM #	LOCATION TO NAME	SIZE WIDTH	SIZE HEIGHT	SINGLE OR PAIR	DOOR TYPE	MATERIAL DOOR	MATERIAL FRAME	FRAME HEAD	FRAME JAMB/SILL	DOOR HANDING	FIRE RATING	REMARKS
MAIN FLOOR															
101	101	LOBBY	-	EXTERIOR	3'-0"	7'-0"	P	A	AL	AL	1/A6.1 SIM	2, 4/A6.1 SIM	LH/RH		
102	120A	CORRIDOR	102	STORAGE	3'-0"	7'-0"	S	B	WD	HM	3/A6.3	4/A6.3	RHR	20 min.	
103	120E	CORRIDOR	103	STORAGE	2'-6"	7'-0"	P	C	WD	HM	1/A6.3	2/A6.3	LHR/RHR	20 min.	
104	120A	CORRIDOR	104	FIRE RISER	3'-0"	7'-0"	S	B	WD	HM	3/A6.3	4/A6.3	LHR	20 min.	
105	120D	CORRIDOR	105	I.T. ROOM	2'-6"	7'-0"	P	C	WD	HM	1/A6.3	2/A6.3	LHR/RHR	20 min.	
106	120E	CORRIDOR	106	CLINICIAN	3'-0"	7'-0"	S	D	WD	HM	1,5/A6.3	2,6/A6.3	LHR	20 min.	
107	120E	CORRIDOR	107	DISPENSARY	3'-0"	7'-0"	S	E	WD	HM	3/A6.3	4/A6.3	RHR	20 min.	DUTCH DOOR
108	120E	CORRIDOR	108	CUSTODIAL	3'-0"	7'-0"	S	B	WD	HM	3/A6.3	4/A6.3	RHR	20 min.	
109	120B	CORRIDOR	109	GROUP LEADER	3'-0"	7'-0"	S	Q	WD	HM	3,7/A6.3	4,8/A6.3	RHR	20 min.	
110	120B	CORRIDOR	110	MECH.	3'-6"	7'-0"	S	B	WD	HM	3/A6.3	4/A6.3	LH	20 min.	
111	120B	CORRIDOR	111	GROUP ROOM	3'-0"	7'-0"	S	D	WD	HM	1,5/A6.3	2,6/A6.3	LHR	20 min.	BLINDS BETWEEN GLASS TO BE CONTROLLED FORM CORRIDOR SIDE
112A	120A	CORRIDOR	112	VEST.	3'-0"	7'-0"	S	F	WD	HM	14/A6.3	12,13/A6.3	LH	--	
112B	112	VEST.	-	EXTERIOR	3'-0"	7'-2"	S	N	AL	AL	1/A6.1	B/A3.2	LH	--	
113	120C	CORRIDOR	113	STAFF ROOM	3'-0"	7'-0"	S	T	WD	HM	1/A6.3	2/A6.3	LH	20 min.	
114	120D	CORRIDOR	114	UTILITY	4'-0"	7'-0"	S	B	WD	HM	3/A6.3	4/A6.3	LHR	20 min.	
115	120C	CORRIDOR	115	STAFF T.R.	3'-0"	7'-0"	S	B	WD	HM	3/A6.3	4/A6.3	RH	20 min.	
116	120D	CORRIDOR	116	GROUP LEADER	3'-0"	7'-0"	S	Q	WD	HM	3,7/A6.3	4,8/A6.3	RHR	20 min.	
117	120C	CORRIDOR	117	STORAGE	3'-0"	7'-0"	S	B	WD	HM	3/A6.3	4/A6.3	RH	20 min.	
118	120A	CORRIDOR	118	LAUNDRY	3'-6"	7'-0"	S	G	WD	HM	3,7/A6.3	4,8/A6.3	RHR	20 min.	
119	120D	CORRIDOR	119	UNIT MANAGER	3'-0"	7'-0"	S	Q	WD	HM	1,5/A6.3	2,6/A6.3	RHR	20 min.	
121A	120E	CORRIDOR	121	DAY ROOM	4'-0"	7'-0"	S	H	HM	HM	1/A6.3	2/A6.3	LHR	20 min.	
121B	120B	CORRIDOR	121	DAY ROOM	4'-0"	7'-0"	S	H	HM	HM	1/A6.3	2/A6.3	LHR	20 min.	
121C	121	DAY ROOM	-	EXTERIOR	2'-11"	7'-2"	S	K	AL	AL	15/A6.3	16,17,18,19,20,21/A6. 3 SIM	RH	--	ROLLER SHADES
123A	121	DAY ROOM	123	BEDROOM	3'-0"	7'-0"	S	S	HM	HM	1/A6.3	2/A6.3	RHR	--	IN SMOKE PARTITION WALL
123B	106	CLINICIAN			1'-8"	3'-0"	S	M	HM	HM	9/A6.3	2/A6.3	RHR	--	DETENTION GRADE PLUMBING ACCESS DOOR W/ SPECIAL KEY
124A	121	DAY ROOM	124	BEDROOM	3'-0"	7'-0"	S	J	HM	HM	1/A6.3	2/A6.3	LHR	--	IN SMOKE PARTITION WALL
124B	121	DAY ROOM			1'-8"	3'-0"	S	M	HM	HM	9/A6.3	2/A6.3	LHR	--	DETENTION GRADE PLUMBING ACCESS DOOR W/ SPECIAL KEY
125	121	DAY ROOM	125	BEDROOM	3'-0"	7'-0"	S	S	HM	HM	1/A6.3	2/A6.3	RHR	--	IN SMOKE PARTITION WALL
126A	121	DAY ROOM	126	BEDROOM	3'-0"	7'-0"	S	J	HM	HM	1/A6.3	2/A6.3	LHR	--	IN SMOKE PARTITION WALL
126B	121	DAY ROOM			1'-8"	3'-0"	S	M	HM	HM	9/A6.3	2/A6.3	RHR	--	DETENTION GRADE PLUMBING ACCESS DOOR W/ SPECIAL KEY
127	121	DAY ROOM	127	BEDROOM	3'-0"	7'-0"	S	S	HM	HM	1/A6.3	2/A6.3	RHR	--	IN SMOKE PARTITION WALL
128A	121	DAY ROOM	128	BEDROOM	3'-0"	7'-0"	S	J	HM	HM	1/A6.3	2/A6.3	LHR	--	IN SMOKE PARTITION WALL
128B	121	DAY ROOM			1'-8"	3'-0"	S	M	HM	HM	9/A6.3	2/A6.3	RHR	--	DETENTION GRADE PLUMBING ACCESS DOOR W/ SPECIAL KEY
129A	121	DAY ROOM	129	BEDROOM	3'-0"	7'-0"	S	J	HM	HM	1/A6.3	2/A6.3	LHR	--	IN SMOKE PARTITION WALL
129B	121	DAY ROOM			1'-8"	3'-0"	S	M	HM	HM	9/A6.3	2/A6.3	RHR	--	DETENTION GRADE PLUMBING ACCESS DOOR W/ SPECIAL KEY
130	121	DAY ROOM	130	BEDROOM	3'-0"	7'-0"	S	S	HM	HM	1/A6.3	2/A6.3	RHR	--	IN SMOKE PARTITION WALL
131A	121	DAY ROOM	131	BEDROOM	3'-0"	7'-0"	S	J	HM	HM	1/A6.3	2/A6.3	LHR	--	IN SMOKE PARTITION WALL
131B	121	DAY ROOM			1'-8"	3'-0"	S	M	HM	HM	9/A6.3	2/A6.3	RHR	--	DETENTION GRADE PLUMBING ACCESS DOOR W/ SPECIAL KEY
132	121	DAY ROOM	132	BEDROOM	3'-0"	7'-0"	S	S	HM	HM	1/A6.3	2,6/A6.3	RHR	--	IN SMOKE PARTITION WALL
136	120B	CORRIDOR	136	STORAGE	3'-0"	7'-0"	S	B	WD	HM	1/A6.3	2/A6.3	RH	20 min.	
137A	120D	CORRIDOR	137	DAY ROOM	4'-0"	7'-0"	S	R	HM	HM	1/A6.3	2/A6.3	RHR	20 min.	
137B	120C	CORRIDOR	137	DAY ROOM	4'-0"	7'-0"	S	R	HM	HM	1/A6.3	2/A6.3	RHR	20 min.	
137C	137	DAY ROOM	-	EXTERIOR	2'-11"	7'-2"	S	L	AL	AL	15/A6.3	16,17,18,19,20,21/A6. 3 SIM	LH	--	ROLLER SHADES
139A	137	DAY ROOM	139	BEDROOM	3'-0"	7'-0"	S	S	HM	HM	1/A6.3	2/A6.3	RHR	--	IN SMOKE PARTITION WALL
139B	137	DAY ROOM			1'-8"	3'-0"	S	M	HM	HM	9/A6.3	2/A6.3	LHR	--	DETENTION GRADE PLUMBING ACCESS DOOR W/ SPECIAL KEY
140A	137	DAY ROOM	140	BEDROOM	3'-0"	7'-0"	S	J	HM	HM	1/A6.3	2/A6.3	LHR	--	IN SMOKE PARTITION WALL
140B	137	DAY ROOM			1'-8"	3'-0"	S	M	HM	HM	9/A6.3	2/A6.3	LHR	--	DETENTION GRADE PLUMBING ACCESS DOOR W/ SPECIAL KEY
141	137	DAY ROOM	141	BEDROOM	3'-0"	7'-0"	S	S	HM	HM	1/A6.3	2/A6.3	RHR	--	IN SMOKE PARTITION WALL
142A	137	DAY ROOM	142	BEDROOM	3'-0"	7'-0"	S	J	HM	HM	1/A6.3	2/A6.3	LHR	--	IN SMOKE PARTITION WALL
142B	137	DAY ROOM			1'-8"	3'-0"	S	M	HM	HM	9/A6.3	2/A6.3	LHR	--	DETENTION GRADE PLUMBING ACCESS DOOR W/ SPECIAL KEY
143	137	DAY ROOM	143	BEDROOM	3'-0"	7'-0"	S	S	HM	HM	1/A6.3	2/A6.3	RHR	--	IN SMOKE PARTITION WALL
144A	137	DAY ROOM	144	BEDROOM	3'-0"	7'-0"	S	J	HM	HM	1/A6.3	2/A6.3	LHR	--	IN SMOKE PARTITION WALL
144B	119	UNIT MANAGER			1'-8"	3'-0"	S	M	HM	HM	9/A6.3	2/A6.3	LHR	--	DETENTION GRADE PLUMBING ACCESS DOOR W/ SPECIAL KEY
148A	137	DAY ROOM	148	BEDROOM	3'-0"	7'-0"	S	J	HM	HM	1/A6.3	2/A6.3	LHR	--	IN SMOKE PARTITION WALL
148B	137	DAY ROOM			1'-8"	3'-0"	S	M	HM	HM	9/A6.3	2/A6.3	RHR	--	DETENTION GRADE PLUMBING ACCESS DOOR W/ SPECIAL KEY
149	137	DAY ROOM	149	BEDROOM	3'-0"	7'-0"	S	S	HM	HM	1/A6.3	2/A6.3	RHR	--	IN SMOKE PARTITION WALL
150A	137	DAY ROOM	150	BEDROOM	3'-0"	7'-0"	S	J	HM	HM	1/A6.3	2/A6.3	LHR	--	IN SMOKE PARTITION WALL
150B	137	DAY ROOM			1'-8"	3'-0"	S	M	HM	HM	9/A6.3	2/A6.3	RHR	--	DETENTION GRADE PLUMBING ACCESS DOOR W/ SPECIAL KEY
151	137	DAY ROOM	151	BEDROOM	3'-0"	7'-0"	S	S	HM	HM	1/A6.3	2/A6.3	RHR	--	DETENTION GRADE PLUMBING ACCESS DOOR W/ SPECIAL KEY
MEZZANINE															
200	200	MECHANICAL PLATFORM	110	MECHANICAL RM	3'-0"	6'-8"	S	P	HM	HM	10/A6.3	11/A6.3	RH	--	
201	200	MECHANICAL PLATFORM	201	ACCESS CONTROL ROOM	3'-0"	6'-8"	S	P	HM	HM	10/A6.3	11/A6.3	RH	--	

NOTE: CONTRACTOR TO COORDINATE THE PREPARATION OF DOOR FRAMES AND DOORS WITH SCHEDULED DOOR HARDWARE

GLAZING TYPE KEY

1. FIRE RATED, LAMINATED SAFETY GLAZING
2. NOT USED
3. INSULATING, LAMINATED SAFETY GLAZING - TINTED



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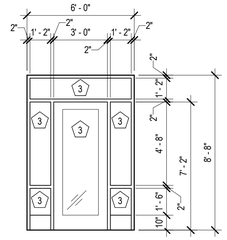

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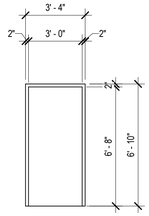

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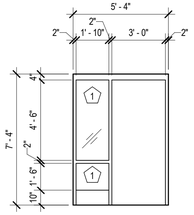

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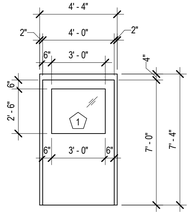

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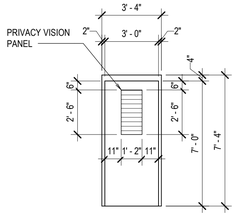

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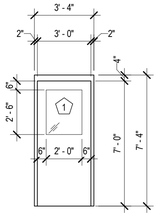


T

DOOR TYPES

SCALE: 1/4" = 1'-0"

LICENSED ARCHITECT JA-20239 JAMES A. TODD 02/01/2023 STATE OF IDAHO

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8775 (F) 208.522.8785 (W) nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: DOOR SCHEDULE

REVISIONS

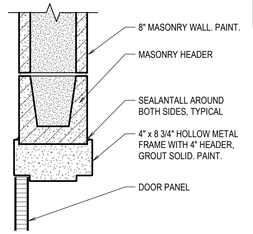
NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:

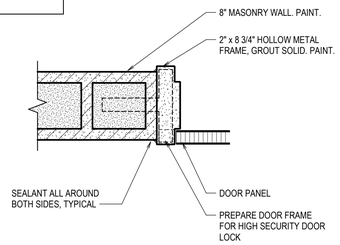
A6.2

3/28/2023 3:20:53 PM N:\Projects\Other\DPW\DPW 21-725 JCC Cottages - 21023\CAD\Drawings\21023 A1.1_03-17-23.rvt

NOTE:
INSTALL NON-PICK CAULKING ALL AROUND DOOR FRAME INSIDE OF BEDROOMS.



1 A6.3 HEAD
SCALE: 1 1/2" = 1'-0"



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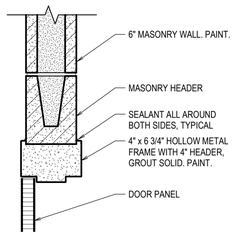
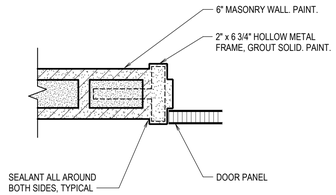


3 A6.3 HEAD
SCALE: 1 1/2" = 1'-0"



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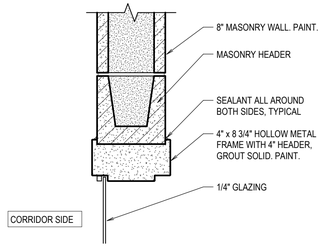

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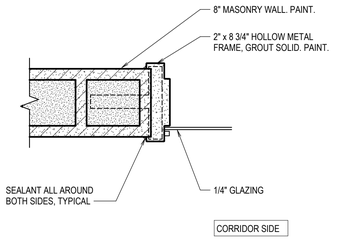
SCALE: 1 1/2" = 1'-0"



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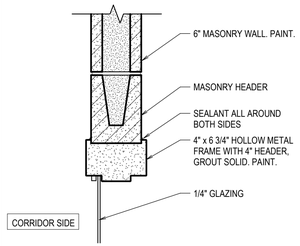
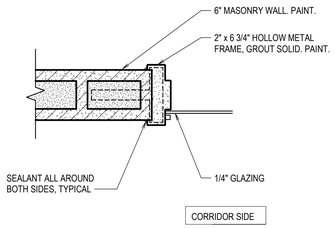
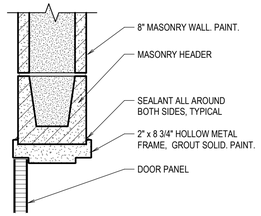
SCALE: 1 1/2" = 1'-0"



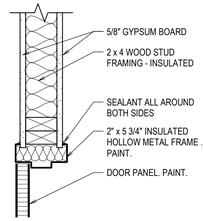
7 A6.3 HEAD
SCALE: 1 1/2" = 1'-0"



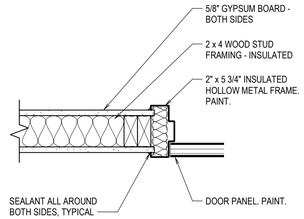
8 A6.3 JAMB
SCALE: 1 1/2" = 1'-0"



9 A6.3 HEAD
SCALE: 1 1/2" = 1'-0"



10 A6.3 HEAD
SCALE: 1 1/2" = 1'-0"



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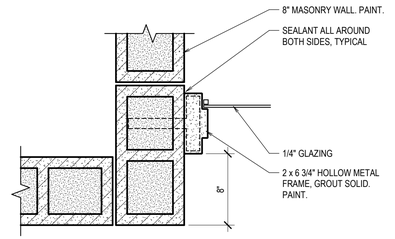

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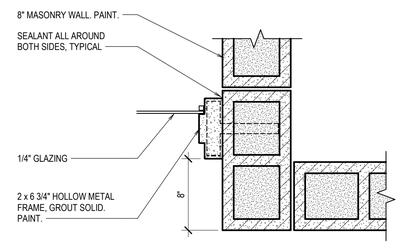

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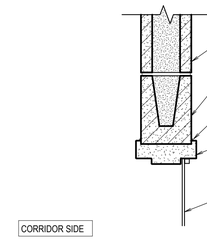

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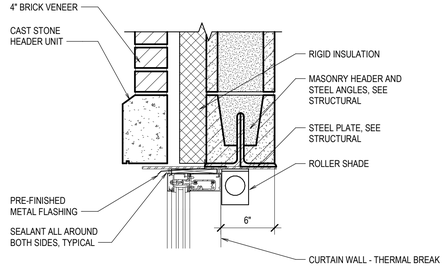

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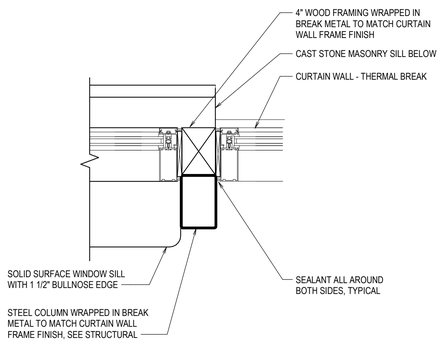

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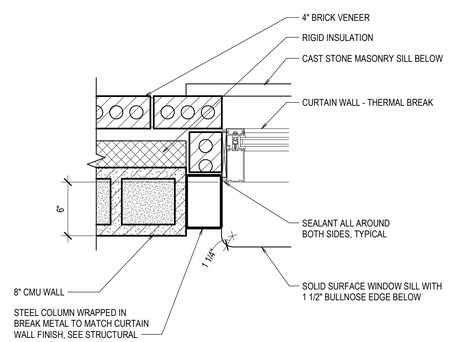

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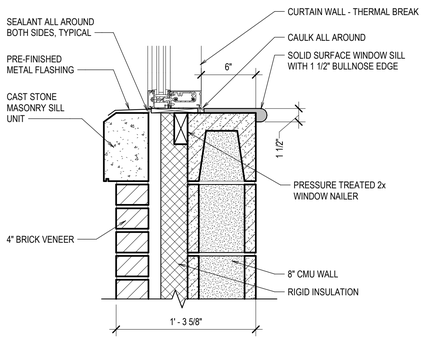
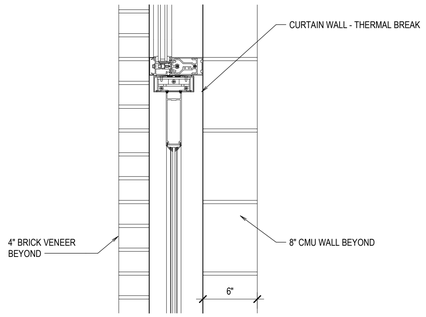


18 A6.3 SILL
SCALE: 1 1/2" = 1'-0"



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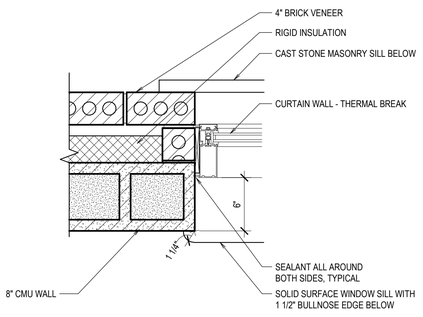
SCALE: 1 1/2" = 1'-0"



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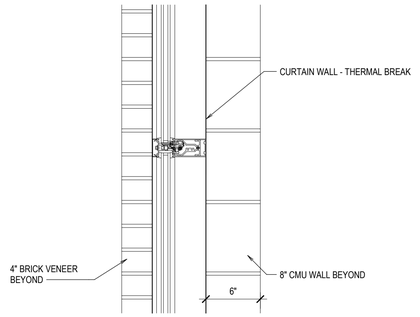

21 A6.3 MULLION
SCALE: 1 1/2" = 1'-0"

LICENSED ARCHITECT
JA - 09339
AMANDA J. WHITT
STATE OF IDAHO
02/01/2023

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ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8779 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: DOOR DETAILS

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:
A6.3

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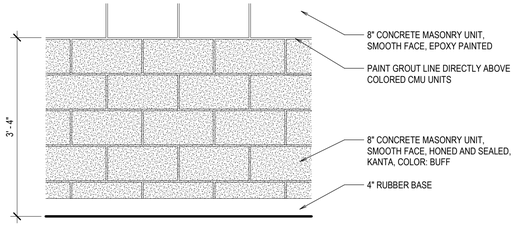
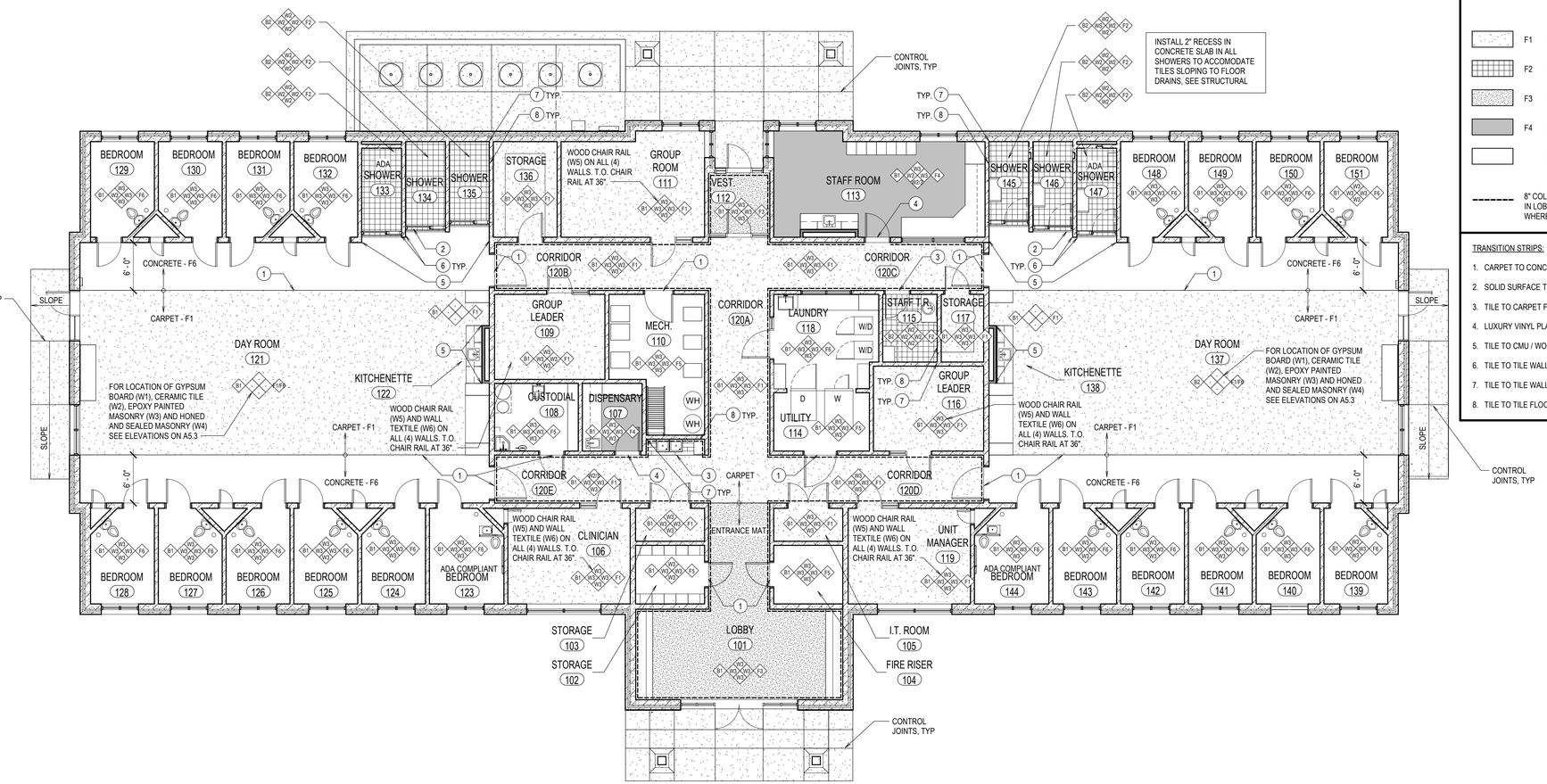


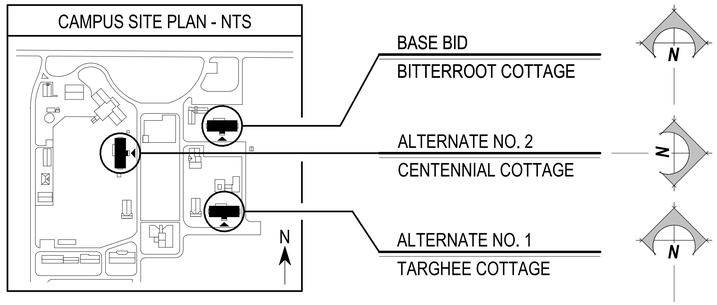
1 A6.4 DETAIL

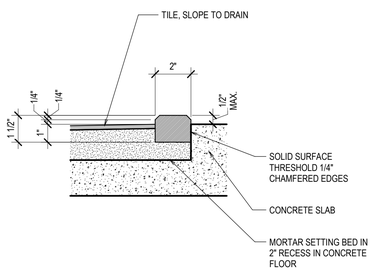
SCALE: 3/4" = 1'-0"



FINISH FLOOR PLAN

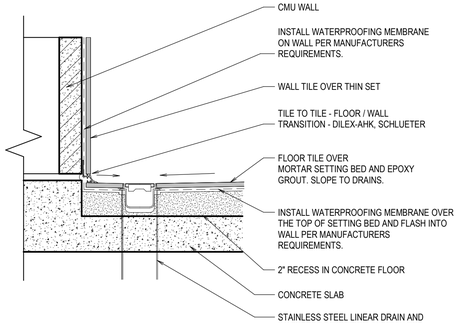
SCALE: 1/8" = 1'-0"





2 A6.4 DETAIL

SCALE: 3" = 1'-0"



3 A6.4 DETAIL

SCALE: 3" = 1'-0"

FINISH SCHEDULE KEY

WALL FINISH

W1	TAPED, TEXTURED AND PAINTED GYPSUM BOARD
W2	CERAMIC TILE
W3	EPOXY PAINTED MASONRY
W4	HONED AND SEALED MASONRY, KANTA, COLOR: BUFF
W5	WOOD CHAIR RAIL
W6	WALL TEXTILE

FLOOR FINISH

F1	CARPET
F2	FLOOR TILE
F3	ENTRANCE MAT/WALK OFF TILE
F4	LUXURY VINYL PLANK
F5	SEALED CONCRETE
F6	STAINED, POLISHED AND SEALED CONCRETE

BASE FINISH

B1	4" COVED RUBBER
B2	SCHLUTER DILEX-AHK COVED SHAPED PROFILE

F1 CARPET

F2 FLOOR TILE

F3 ENTRANCE MAT/WALK OFF TILE

F4 LUXURY VINYL PLANK

CONCRETE

8" COLORED CMU WAINSCOT, SEE DETAIL 1/A6.4. IN LOBBY 101, CORRIDOR 120 A,B,C,D,E AND VESTIBULE 112 WHERE INDICATED BY DASHED LINE

TRANSITION STRIPS:

1. CARPET TO CONCRETE FLOOR TRANSITION - ROPPE REDUCER #22
2. SOLID SURFACE THRESHOLD AT ALL SHOWER ENTRANCES, SEE DETAIL 2/A6.4
3. TILE TO CARPET FLOOR TRANSITION - RENO-U, SCHLUETER
4. LUXURY VINYL PLANK TO CARPET FLOOR TRANSITION - RENO-U, SCHLUETER
5. TILE TO CMU / WOOD WALL TRANSITION - SCHIENE, SCHLUETER
6. TILE TO TILE WALL TRANSITION - OUTSIDE CORNER - QUADEC, SCHLUETER
7. TILE TO TILE WALL TRANSITION - INSIDE CORNER - DILEX-AHK, SCHLUETER
8. TILE TO TILE FLOOR / WALL TRANSITION - DILEX-AHK, SCHLUETER

LICENSED ARCHITECT JA-19339 JOSHUA H. WHITT 02/01/2023 STATE OF IDAHO

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900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
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DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: FINISH FLOOR PLAN

REVISIONS

NBW PROJECT NO. 21023
DATE: DECEMBER 2022
DRAWN BY: KP
CHECKED BY: JHW

DRAWING NO.: A6.4

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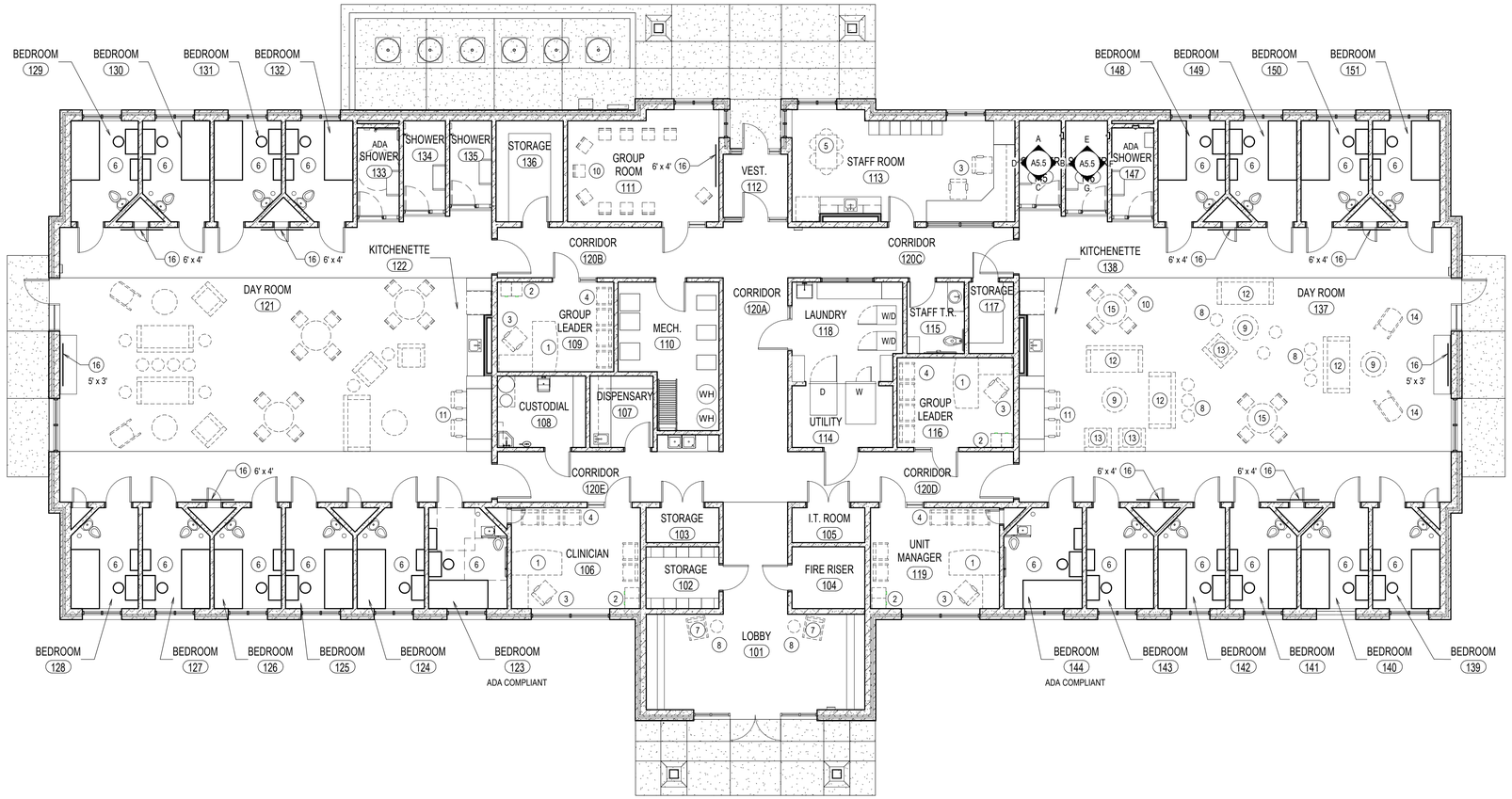
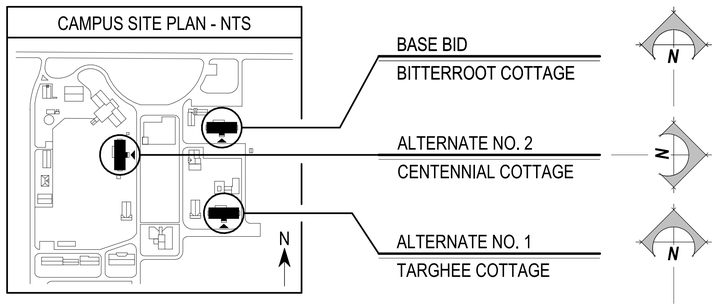
GENERAL NOTES

1. FURNISHINGS SHOWN DASHED ARE NOT ATTACHED TO THE BUILDING AND ARE OWNER PROVIDED. THE FURNISHINGS IN THE BEDROOMS SHOWN WITH A CONTINUOUS LINE ARE ATTACHED TO EITHER THE FLOOR OR THE WALL AND ARE CONTRACTOR PROVIDED.

◯ KEYNOTES

1. DESK WITH RETURN AND BOW FRONT, HON, MOD DESKING, OWNER PROVIDED
2. FILE CABINET,15" X 20", OWNER PROVIDED
3. TASK CHAIR, HON, IGNITION, MID BACK, MESH BACK 4 WAY STRETCH, OWNER PROVIDED
4. GUEST CHAIR, HON, IGNITION, 4 WAY STRETCH MULTI PURPOSE, SLED BASE, OWNER PROVIDED
5. DINING TABLE AND CHAIRS, WEBRESTAURANT STORE, LANCASTER TABLE + SEATING, 30" X 48", ANTIQUE WALNUT, SOLID WOOD LIVE EDGE, BAR HEIGHT, OWNER PROVIDED
6. BEDROOM FURNITURE, CONTRACTOR PROVIDED:
   BED, MAX-SECURE, ENDURA SERIES, EN 6000-1 (ATTACH TO FLOOR)
   LOCKER, MAX-SECURE, ENDURA SERIES, EN 6000-8 (ATTACH TO WALL)
   DESK, MAX-SECURE, ENDURA SERIES, EN 6000-9, WALL MOUNTED (ATTACH TO WALL)
   ROUND STOOL, MAX-SECURE, ENDURA SERIES, EN 6000-11 (ATTACH TO FLOOR)
   MATTRESS, MAX-SECURE, ENDURA SERIES, EN 6000-M
7. SIDE CHAIR, NORIX, VESTA CHAIR, LOUNGE, UPHOLSTERED, OWNER PROVIDED
8. SIDE TABLE, NORIX, TABLA, 18" STANDARD, OWNER PROVIDED
9. TABLE, NORIX, TABLA, 36" STANDARD, OWNER PROVIDED
10. CHAIR, NORIX, INTEGRA, C110, OWNER PROVIDED
11. TASK CHAIR, HON, IGNITION, LOW BACK, MESH BACK 4 WAY STRETCH, OWNER PROVIDED
12. SOFA, PINEAPPLE CONTRACT, MAGNA SOFA, THREE-SEATER, OWNER PROVIDED
13. SIDE CHAIR, PINEAPPLE CONTRACT, MAGNA CHAIR, OWNER PROVIDED
14. ROCKING CHAIR, NORIX, ROCKSMART, OWNER PROVIDED
15. TABLE, NORIX, FORTE CAFE TABLE, OWNER PROVIDED
16. MARKER BOARD, CONTRACTOR PROVIDED





FURNISHINGS FLOOR PLAN

SCALE: 1/8" = 1'-0"

LICENSED ARCHITECT JA - 20239 JAMES H. WHITE STATE OF IDAHO 02/01/2023

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(P) 208.522.8775 (F) 208.522.8785 (W) nbwarchitects.com

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: FURNISHINGS FLOOR PLAN

REVISIONS

NBW PROJECT NO.
21023
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DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:

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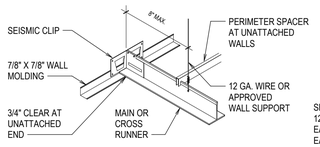
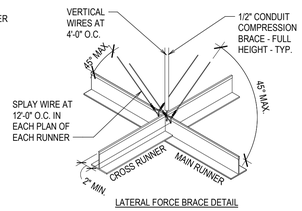
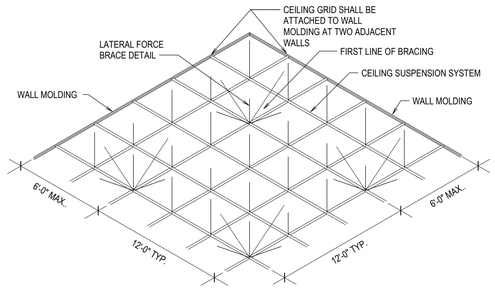


WALL MOLDING DETAIL



LATERAL FORCE BRACE DETAIL



SUSPENSION SYSTEM LAYOUT
NOT TO SCALE

SUSPENDED CEILING SEISMIC DETAILS

LATERAL FORCED BRACING REQUIRED FOR CEILING AREAS OVER 1,000 S.F.
CEILING AREAS UNDER 1,000 S.F. ARE NOT.

RIDGED BRACES MAY BE USED INSTEAD OF DIAGONAL SPLAY WIRES.

A SEISMIC SEPARATION JOINT IS REQUIRED FOR CEILING AREAS GREATER THAN 2,500 S.F.

GENERAL NOTES

1. CONTRACTOR SHALL RESOLVE ALL DIMENSIONAL OR OTHER DISCREPANCIES, DURING LAYOUT WITH ARCHITECT, PRIOR TO BEGINNING CONSTRUCTION.
2. CEILING PLANS ARE FOR COORDINATION PURPOSES ONLY - SEE ELECTRICAL AND MECHANICAL DRAWINGS.
3. BRACE SUSPENDED CEILINGS PER STANDARD SEISMIC BRACING DETAIL ON THIS SHEET.
4. SEE ATTIC PLAN A8.4 FOR LOCATION OF ALL ATTIC ACCESS HATCHES.

C1 1'- 0" CEILING SCHEDULE KEY

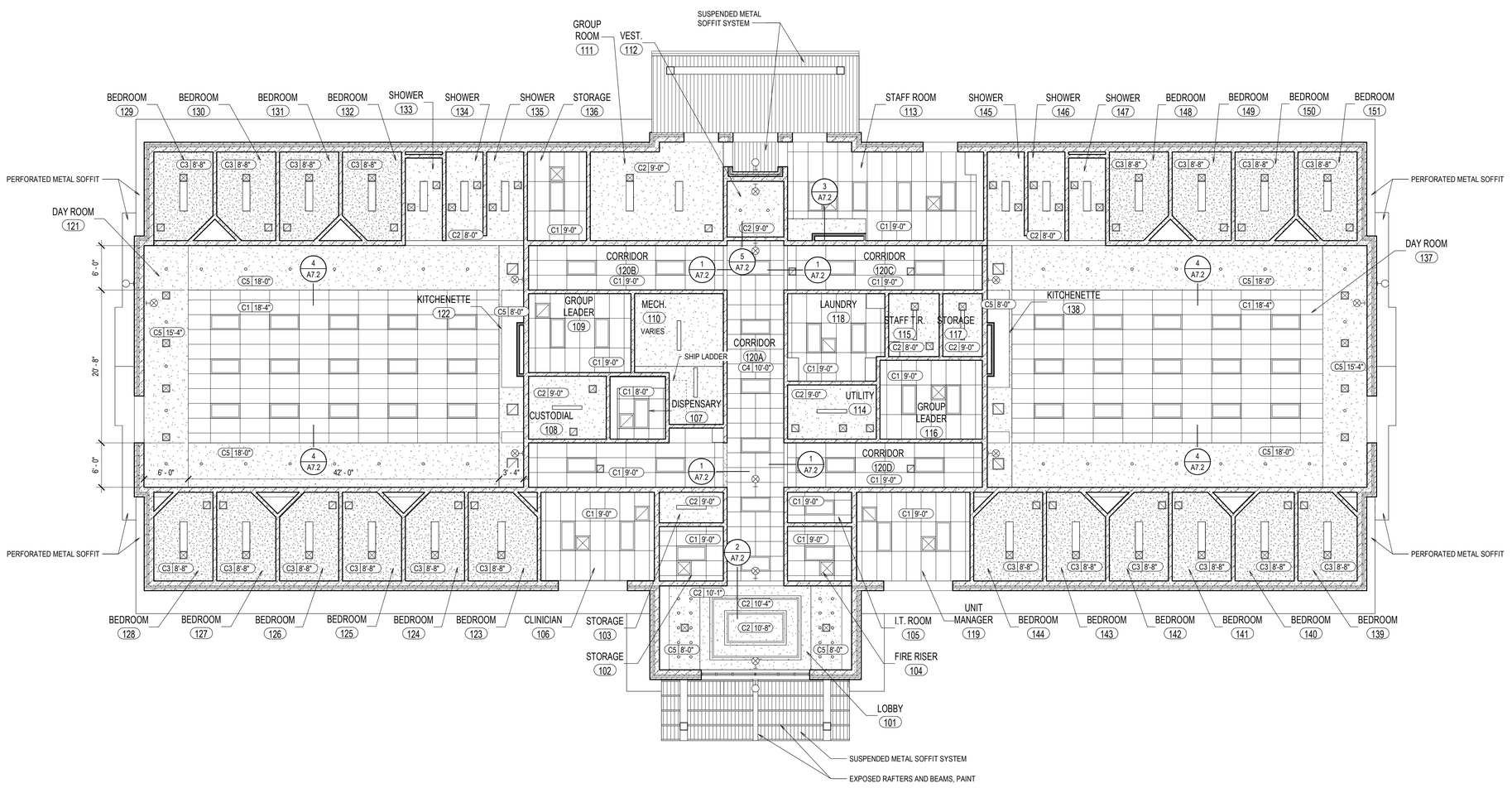
CEILING FINISH	CEILING FINISH
C1 2x4 LAY-IN ACOUSTICAL PANELS AND SUSPENDED GRID SYSTEM	C4 2x2 LAY-IN ACOUSTICAL PANELS AND SUSPENDED GRID SYSTEM
C2 SUSPENDED 5/8" GYPSUM BOARD	C5 5/8" GYPSUM BOARD ON WOOD FRAME
C3 PLASTER ON METAL LATH CEILING AND BLACK IRON SUSPENSION SYSTEM	C6 SUSPENDED LINEAR METAL SOFFIT SYSTEM

CEILING FIXTURE KEY

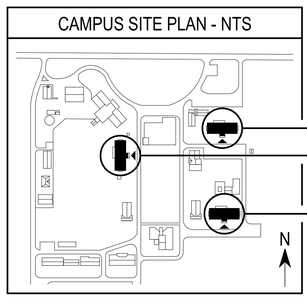
LIGHT FIXTURES - SEE ELECTRICAL DRAWINGS

EXIT DEVICES - SEE ELECTRICAL DRAWINGS

MECHANICAL FIXTURES - SEE MECHANICAL DRAWINGS



CAMPUS SITE PLAN - NTS



BASE BID
BITTERROOT COTTAGE

ALTERNATE NO. 2
CENTENNIAL COTTAGE

ALTERNATE NO. 1
TARGHEE COTTAGE

REFLECTED CEILING PLAN - MAIN FLOOR PLAN

SCALE: 1/8" = 1'-0"

LICENSED ARCHITECT
JOHN H. WEBB
JAMES
No. AR-10339
STATE OF IDAHO
02/01/2023

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(F) 208.522.8795 (O) nbwarchitects.com

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: REFLECTED CEILING PLAN - MAIN FLOOR

REVISIONS

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21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:

A7.1

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GENERAL NOTES

1. CONTRACTOR SHALL RESOLVE ALL DIMENSIONAL OR OTHER DISCREPANCIES, DURING LAYOUT WITH ARCHITECT, PRIOR TO BEGINNING CONSTRUCTION.
2. CEILING PLANS ARE FOR COORDINATION PURPOSES ONLY - SEE ELECTRICAL AND MECHANICAL DRAWINGS.
3. BRACE SUSPENDED CEILINGS PER STANDARD SEISMIC BRACING DETAIL ON THIS SHEET.
4. SEE ATTIC PLAN A8.4 FOR LOCATION OF ALL ATTIC ACCESS HATCHES.

C1 | 1'-0" CEILING SCHEDULE KEY

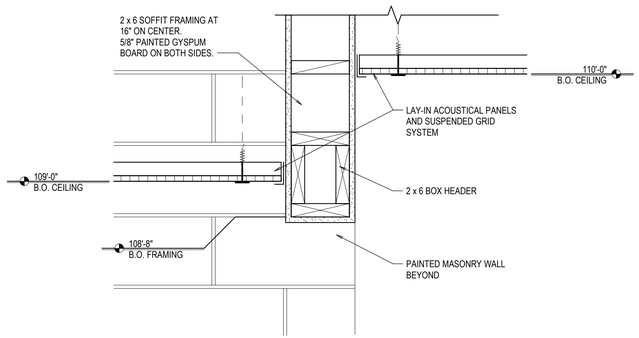
CEILING FINISH	CEILING FINISH
C1 2x4 LAY-IN ACOUSTICAL PANELS AND SUSPENDED GRID SYSTEM	C4 2x2 LAY-IN ACOUSTICAL PANELS AND SUSPENDED GRID SYSTEM
C2 SUSPENDED 5/8" GYPSUM BOARD	C5 5/8" GYPSUM BOARD ON WOOD FRAME
C3 PLASTER ON METAL LATH CEILING AND BLACK IRON SUSPENSION SYSTEM	C6 SUSPENDED LINEAR METAL SOFFIT SYSTEM

CEILING FIXTURE KEY

LIGHT FIXTURES - SEE ELECTRICAL DRAWINGS

EXIT DEVICES - SEE ELECTRICAL DRAWINGS

MECHANICAL FIXTURES - SEE MECHANICAL DRAWINGS



1 A7.2 DETAIL
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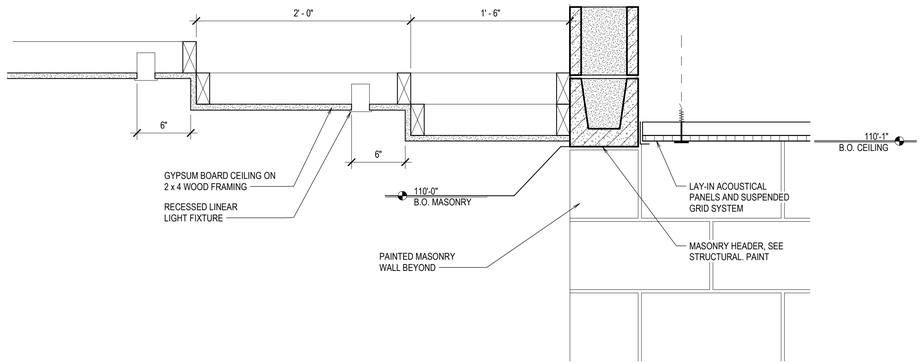

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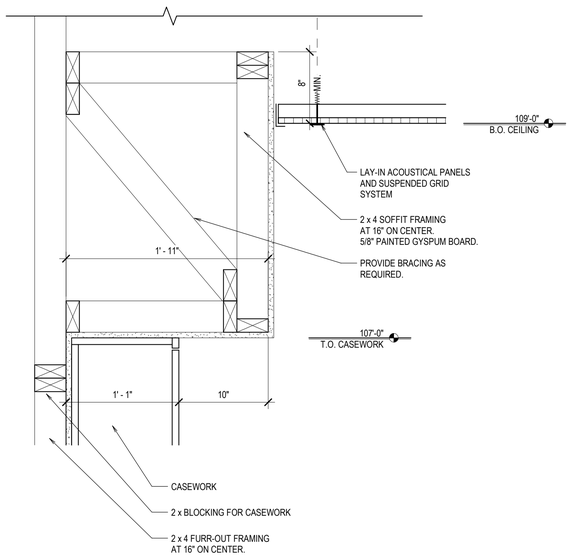

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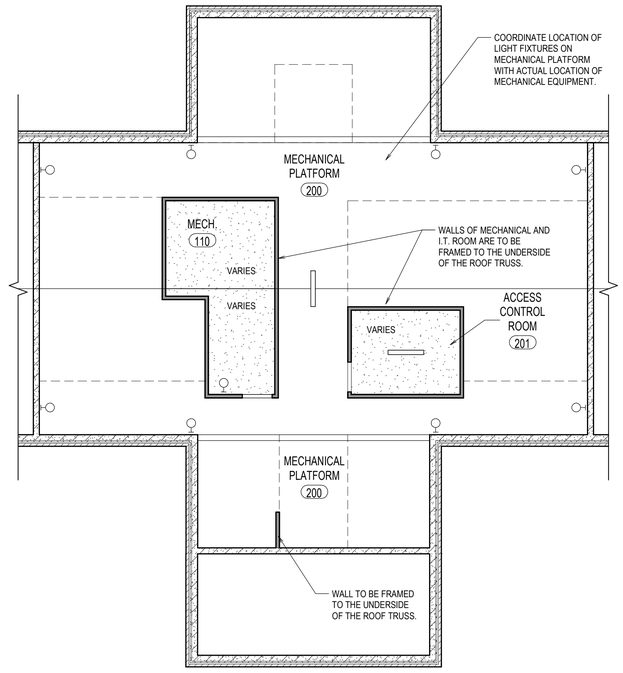
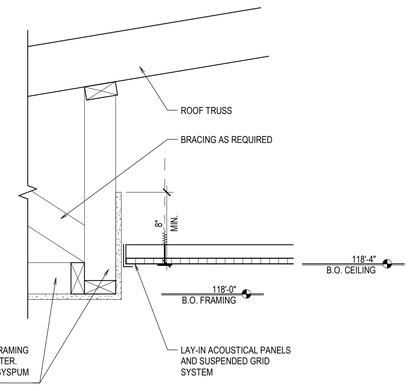


REFLECTED CEILING PLAN - MEZZANINE
SCALE: 1/8" = 1'-0"



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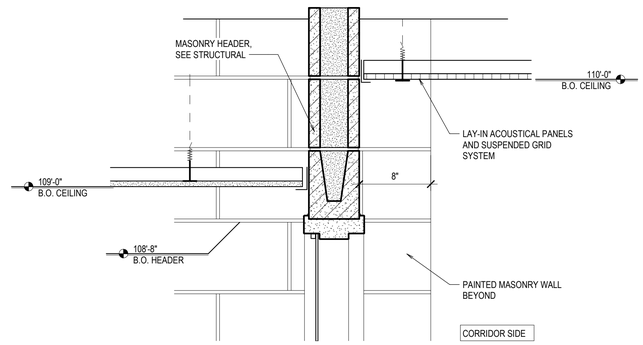
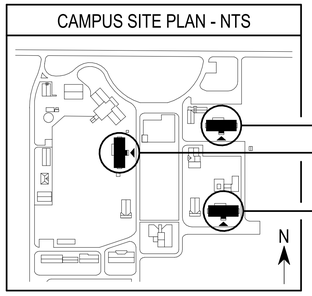


5 A7.2 DETAIL
SCALE: 1 1/2" = 1'-0"

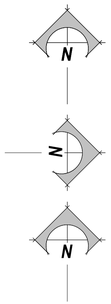
CAMPUS SITE PLAN - NTS



BASE BID
BITTERROOT COTTAGE

ALTERNATE NO. 2
CENTENNIAL COTTAGE

ALTERNATE NO. 1
TARGHEE COTTAGE



LICENSED ARCHITECT JA-10339 JAMES A. WHITT 02/01/2023 STATE OF IDAHO

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DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: REFLECTED CEILING PLAN - MEZZANINE

REVISIONS

NBW PROJECT NO. 21023
DATE: DECEMBER 2022
DRAWN BY: KP
CHECKED BY: JHW

DRAWING NO.: A7.2

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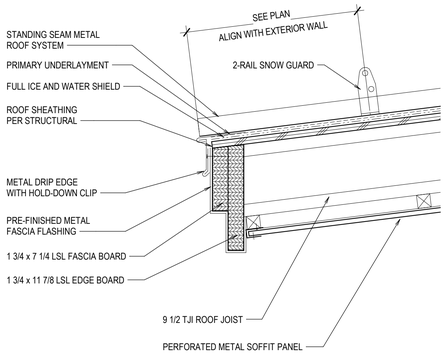

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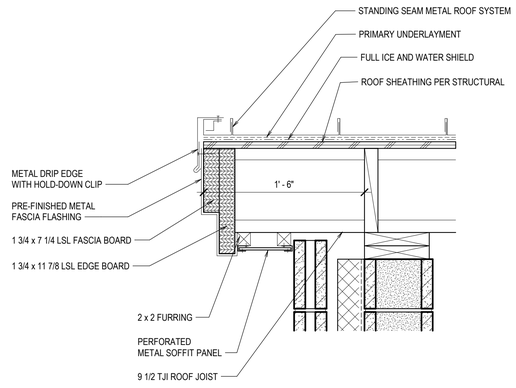

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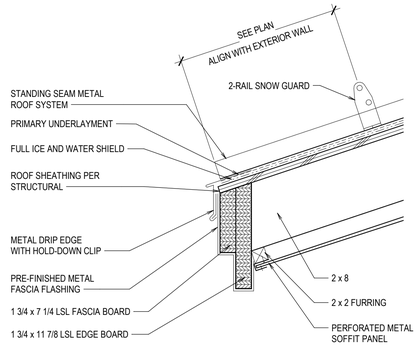

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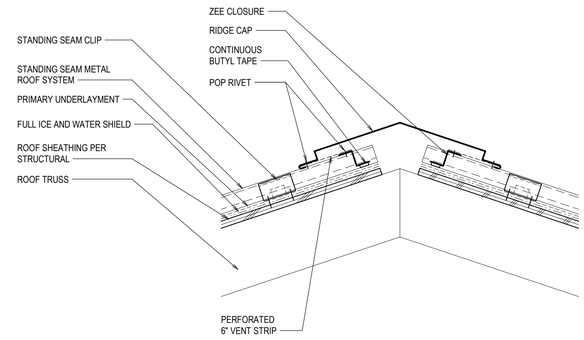

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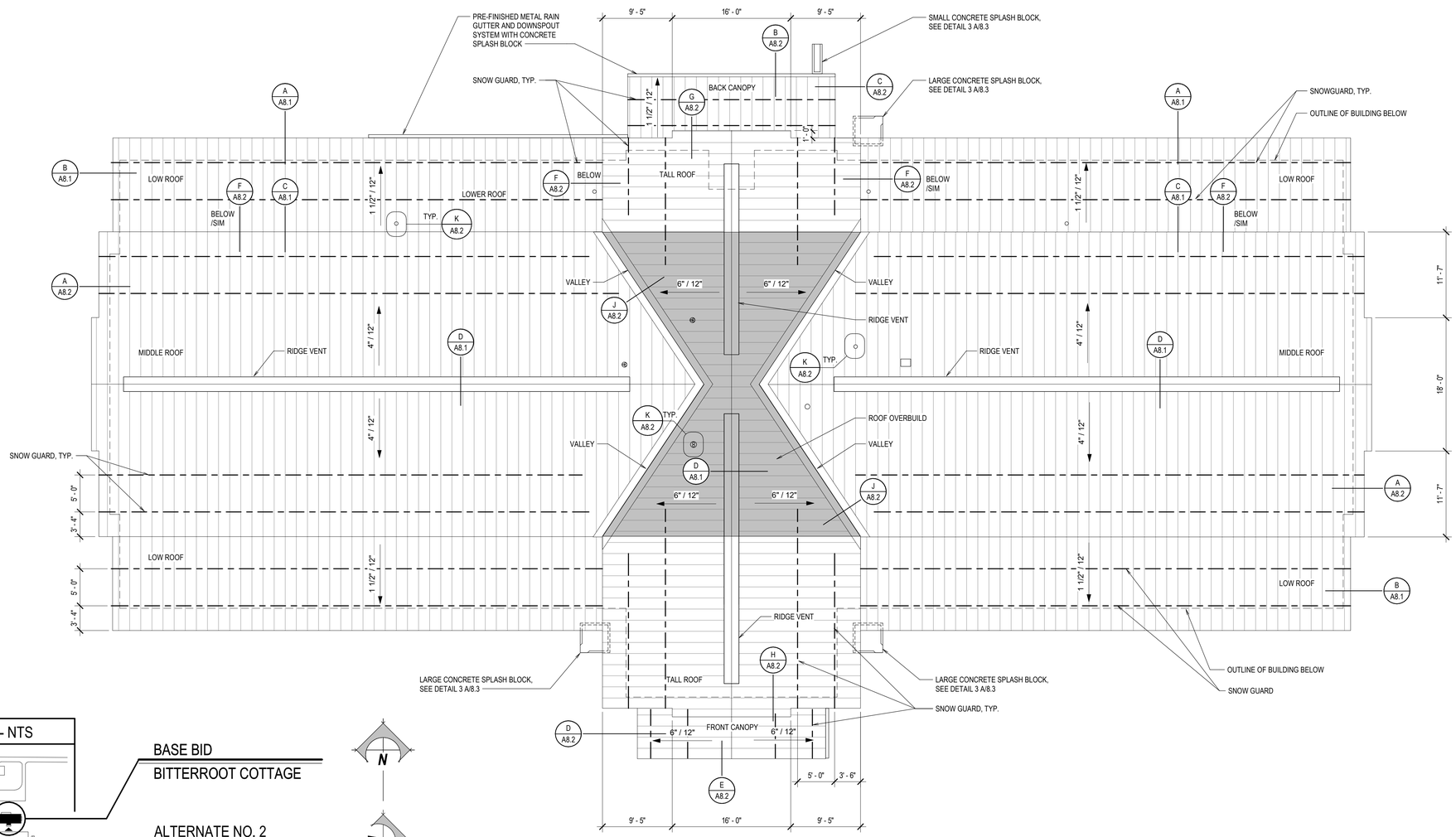
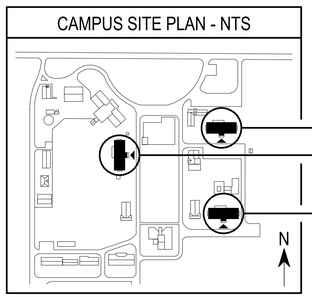


CAMPUS SITE PLAN - NTS



BASE BID
BITTERROOT COTTAGE

ALTERNATE NO. 2
CENTENNIAL COTTAGE

ALTERNATE NO. 1
TARGHEE COTTAGE

ROOF PLAN
SCALE: 1/8" = 1'-0"

LICENSED ARCHITECT
JAMES H. WHITT
AR-98339
STATE OF IDAHO
02/01/2023

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900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8795 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

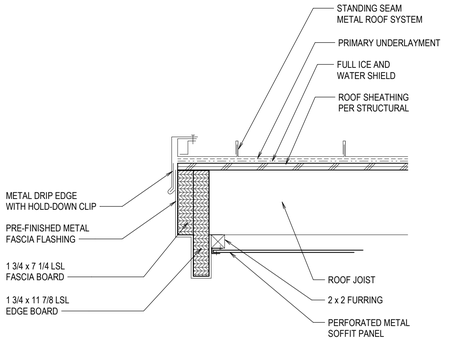
SHEET TITLE: ROOF PLAN

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:
A8.1

3/29/2023 9:04:13 AM N:\Projects\Other\DPW\DPW 21-725 JCC Cottages - 21023\CAD\Drawings\21023 A1.1_03-17-23.rvt



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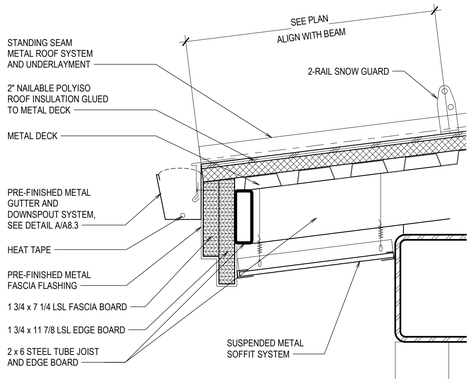

B A8.2 DETAIL

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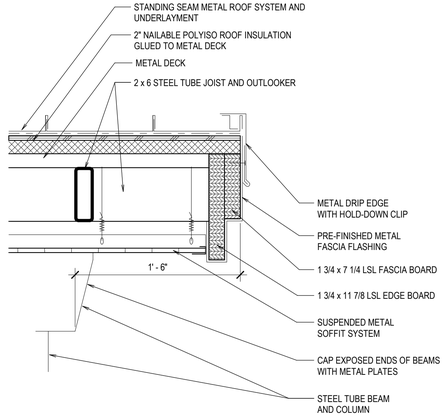

C A8.2 DETAIL

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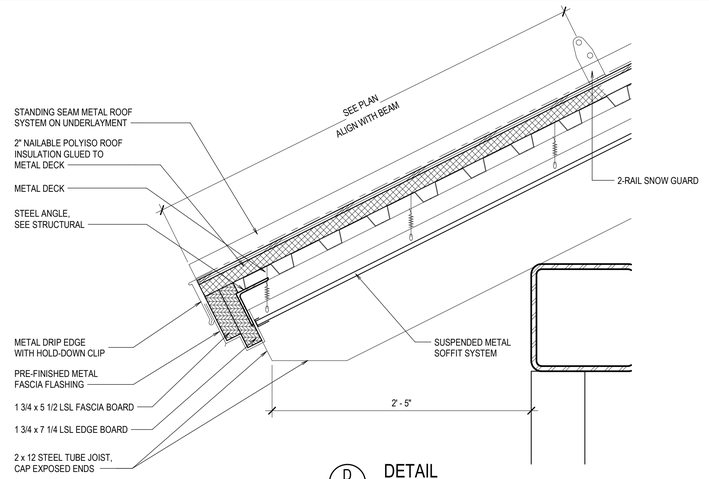


D A8.2 DETAIL

SCALE: 1 1/2" = 1'-0"

E A8.2 DETAIL

SCALE: 1 1/2" = 1'-0"

F A8.2 DETAIL

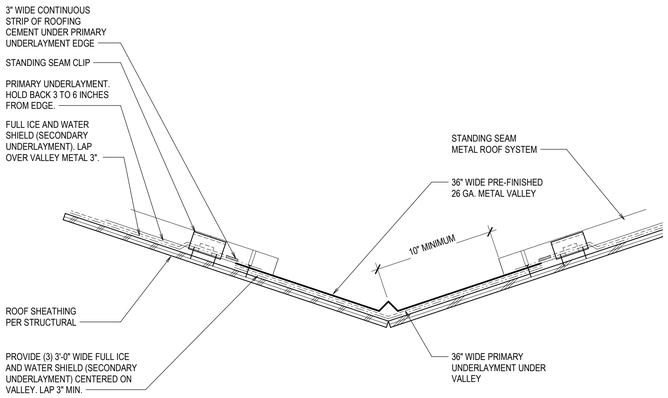
SCALE: 1 1/2" = 1'-0"

G A8.2 DETAIL

SCALE: 1 1/2" = 1'-0"

H A8.2 DETAIL

SCALE: 1 1/2" = 1'-0"



J A8.2 DETAIL

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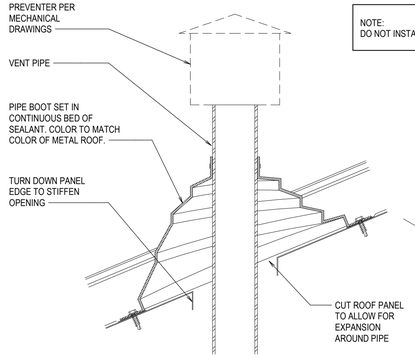
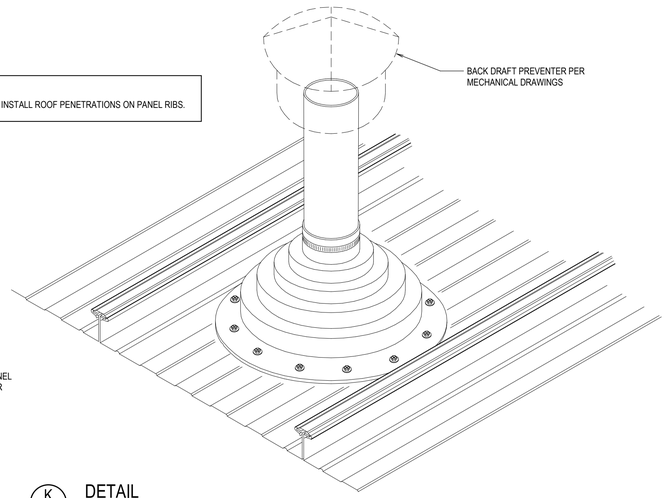


NOTE:
DO NOT INSTALL ROOF PENETRATIONS ON PANEL RIBS.



K A8.2 DETAIL

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LICENSED ARCHITECT
JA-09339
JAMES A. WHITT
STATE OF IDAHO
02/01/2023

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DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ROOF DETAILS

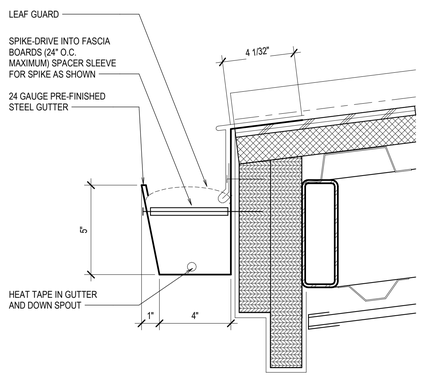
REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:

A8.2

NOTE: CAULK ALL JOINTS WITH CLEAR SILICON CAULKING



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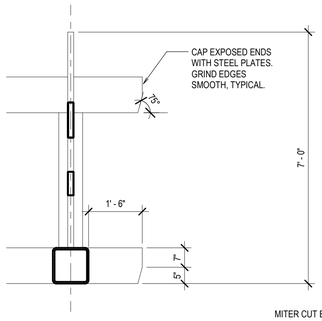
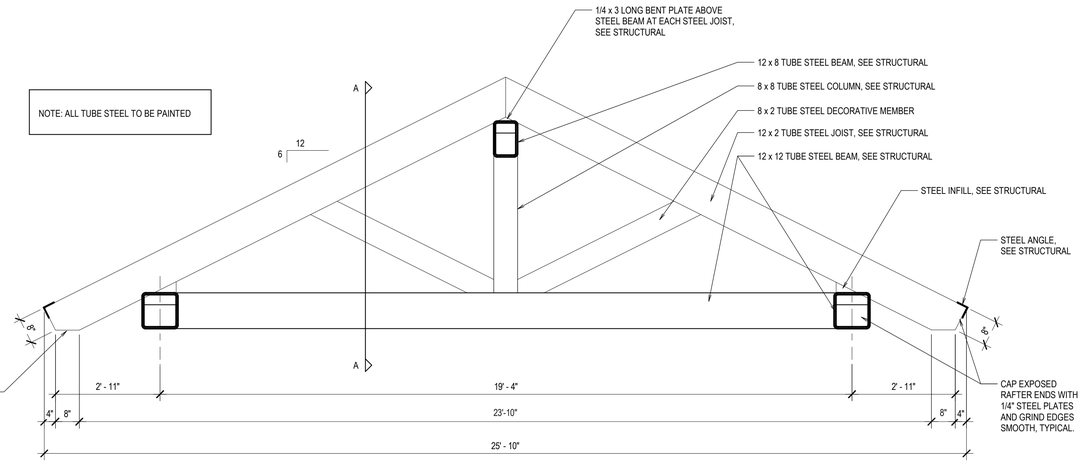


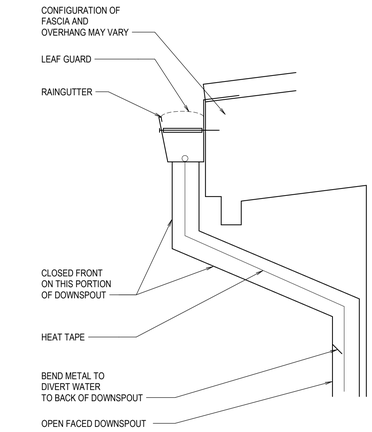
SECTION A-A

NOTE: ALL TUBE STEEL TO BE PAINTED

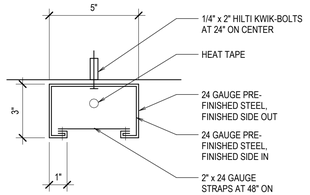


B A8.3 DETAIL

SCALE: 1/2" = 1'-0"



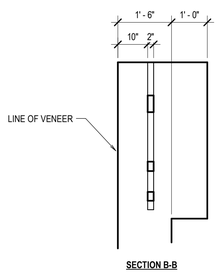
DROPOUT



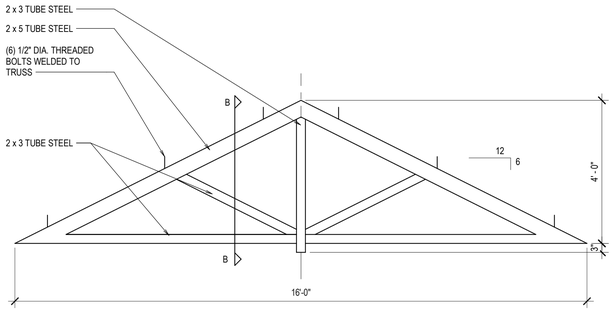
DOWNSPOUT

A A8.3 DETAIL

SCALE: 3" = 1'-0"

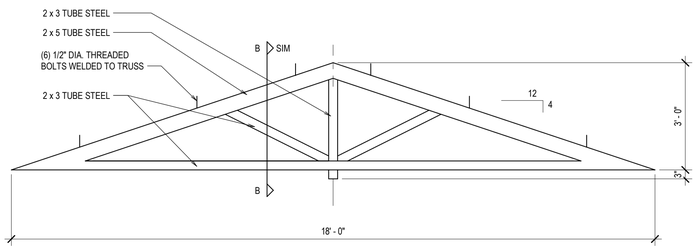


SECTION B-B



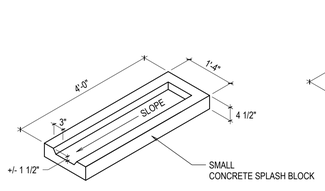
C A8.3 DETAIL

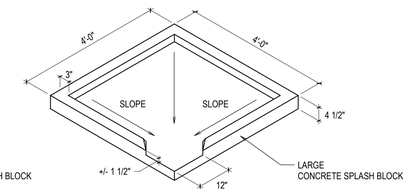
SCALE: 1/2" = 1'-0"



D A8.3 DETAIL

SCALE: 1/2" = 1'-0"





E A8.3 DETAIL

SCALE: 1/2" = 1'-0"

LICENSED ARCHITECT JA-20239 STATE OF IDAHO 02/01/2023

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(P) 208.522.8775 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N

ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ROOF DETAILS

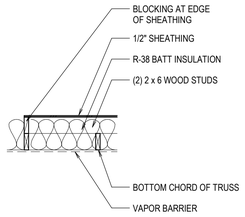
REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:

A8.3

3/29/2023 9:04:14 AM N:\Projects\Other\DPW\DPW 21-725 JCC Cottages - 21023\CAD\Drawings\21023 A1.1_03-17-23.rvt



A A8.4 DETAIL

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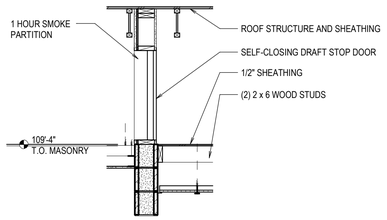


B A8.4 DETAIL

SCALE: 1/2" = 1'-0"

ATTIC VENTILATION CALCULATION

AREA A - ATTIC SPACE ABOVE BEDROOMS:
NO VENTILATION REQUIRED

AREA B - ATTIC SPACE ABOVE SHOWERS:
NO VENTILATION REQUIRED

AREA C:
NO VENTILATION REQUIRED

AREA D - ATTIC SPACE ABOVE DAY ROOM:
1716 SQFT/300 = 5.72 SQFT/2 = 2.86 SQFT OF NET FREE VENTILATION AREA NEEDED AT EACH SOFFIT AND AT RIDGE VENT
SOFFIT AREA:
52' x 3' = 156 SQFT 6% = 9.36 SQFT (HALF VENTED SOFFIT) > 2.86 SQFT
52' x 3' = 156 SQFT 6% = 9.36 SQFT (HALF VENTED SOFFIT) > 2.86 SQFT
RIDGE VENT AREA:
52' x 0.125 (18 SQIN PER LINEAR FOOT) = 6.5 SQFT > 2.86 SQFT

AREA E - ATTIC SPACE ABOVE BEDROOMS:
NO VENTILATION REQUIRED

AREA F:
NO VENTILATION REQUIRED

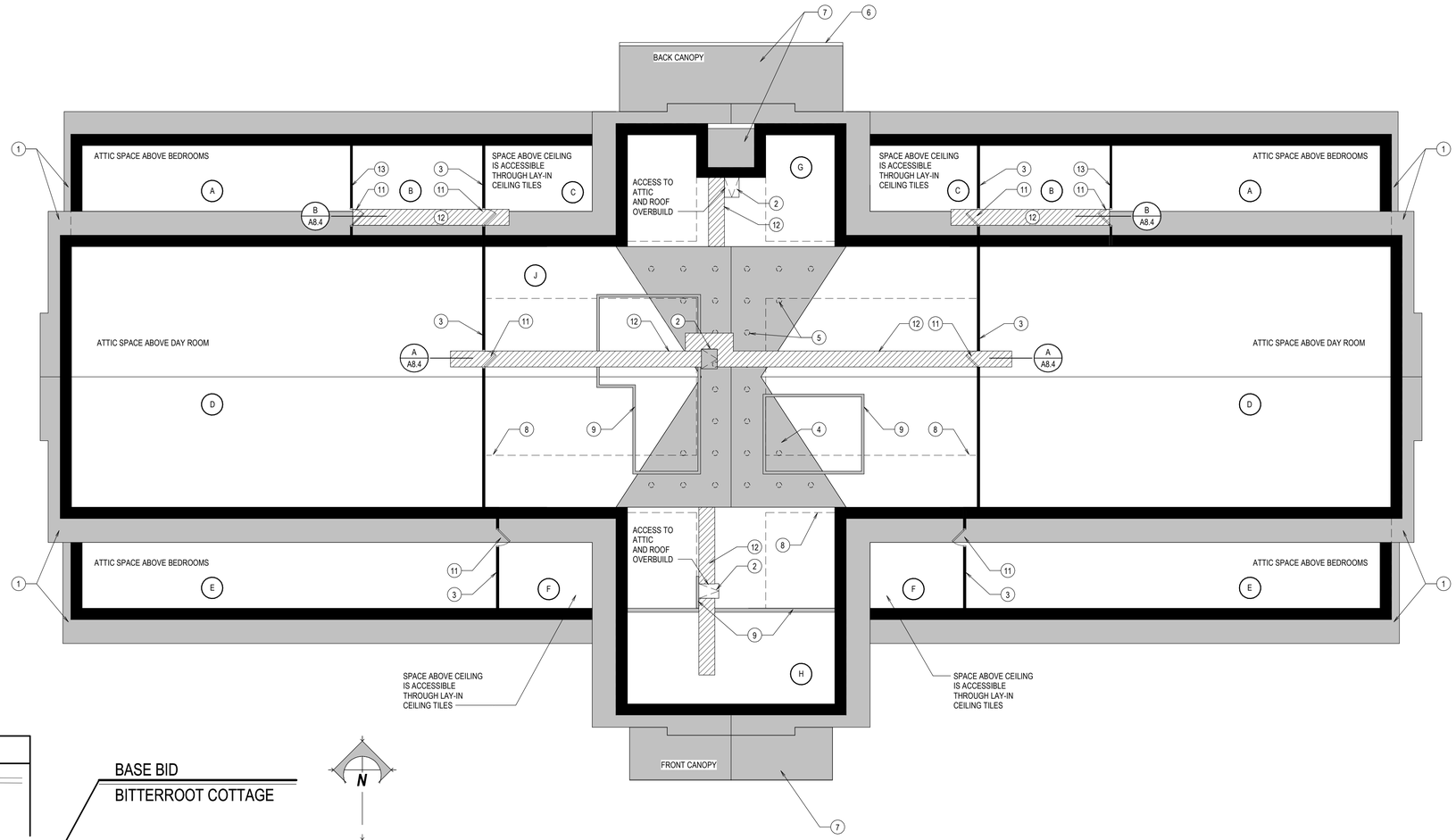
AREA G:
364 SQFT/300 = 1.21 SQFT/2 = 0.61 SQFT OF NET FREE VENTILATION AREA NEEDED AT EACH SOFFIT AND AT RIDGE VENT
SOFFIT AREA:
13' x 3' = 39 SQFT 6% = 2.34 SQFT (HALF VENTED) > 0.61 SQFT
13' x 3' = 39 SQFT 6% = 2.34 SQFT (HALF VENTED) > 0.61 SQFT
RIDGE VENT AREA:
7' x 0.125 (18 SQIN PER LINEAR FOOT) = 0.875 SQFT > 0.61 SQFT

AREA H:
650 SQFT/300 = 2.17 SQFT/2 = 1.08 SQFT OF NET FREE VENTILATION AREA NEEDED AT EACH SOFFIT AND AT RIDGE VENT
SOFFIT AREA:
23' x 3' = 69 SQFT 6% = 4.14 SQFT (HALF VENTED SOFFIT) > 1.08 SQFT
23' x 3' = 69 SQFT 6% = 4.14 SQFT (HALF VENTED SOFFIT) > 1.08 SQFT
RIDGE VENT AREA:
23' x 0.125 (18 SQIN PER LINEAR FOOT) = 2.875 SQFT > 1.08 SQFT

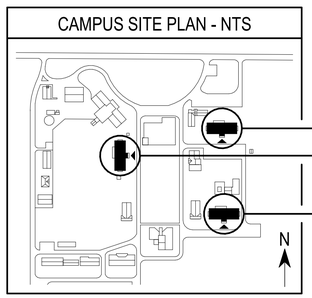
AREA J:
2046 SQFT/300 = 6.82 SQFT/2 = 3.41 SQFT OF NET FREE VENTILATION AREA NEEDED AT EACH SOFFIT AND AT RIDGE VENT
SOFFIT AREA:
32' x 3' = 96 SQFT 6% = 5.76 SQFT (HALF VENTED SOFFIT) > 3.41 SQFT
32' x 3' = 96 SQFT 6% = 5.76 SQFT (HALF VENTED SOFFIT) > 3.41 SQFT
RIDGE VENT AREA:
62' x 0.125 (18 SQIN PER LINEAR FOOT) = 7.75 SQFT > 3.41 SQFT

KEYNOTES

1. PRE-FINISHED, PERFORATED METAL SOFFIT
2. 22" x 30" JOB BUILT ATTIC ACCESS HATCH AND LADDER
3. 1-HOUR RATED SMOKE BARRIER. EXTEND SMOKE BARRIER FROM TOP OF MASONRY WALL TO UNDERSIDE OF ROOF SHEATHING.
4. OVERBUILD
5. CUT 4" DIAMETER HOLES AT 48" ON CENTER IN ROOF SHEATHING OF OVERBUILD TO ALLOW FOR ATTIC VENTILATION
6. PRE-FINISHED METAL RAIN GUTTER AND DOWNSPOUT SYSTEM
7. SUSPENDED METAL SOFFIT SYSTEM
8. OUTLINE OF MECHANICAL PLATFORM BELOW
9. WALLS EXTENDING TO ROOF STRUCTURE
10. 22" x 30" HIGH SECURITY ATTIC ACCESS HATCH
11. 30" x 30" SELF CLOSING DRAFT STOP DOOR
12. 24" WIDE ATTIC ACCESS WALKWAY. SEE DETAIL THIS SHEET.
13. SMOKE PARTITION



CAMPUS SITE PLAN - NTS



BASE BID
BITTERROOT COTTAGE

ALTERNATE NO. 2
CENTENNIAL COTTAGE

ALTERNATE NO. 1
TARGHEE COTTAGE

ATTIC PLAN

SCALE: 1/8" = 1'-0"

LICENSED ARCHITECT JHW AR-98339 02/01/2023 STATE OF IDAHO

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DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ATTIC PLAN

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
KP
CHECKED BY:
JHW

DRAWING NO.:

A8.4

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EXISTING TOPOGRAPHY

- 2460 — TOPOGRAPHIC CONTOUR
- EG — EG — EDGE OF GRAVEL
- EP — EP — EDGE OF PAVEMENT
- CURB & GUTTER, SIDEWALK & DROP INLET
- GENERIC GATE / SWING GATE — FENCE (BARBED WIRE OR OTHER WITH GATES)
- SLIDER GATE — FENCE (CHAINLINK WITH GATE)
- DITCH FLOWLINE
- TP-31 — TEST PIT
- SIGN
- BUILDING OR STRUCTURE

PROPERTY & CONTROL

- CP #203 — SURVEY CONTROL POINT
- BM-#1 — BENCHMARK
- FOUND BRASS CAP
- FOUND ALUMINUM CAP
- FOUND 5/8" STEEL PIN
- SET 5/8" STEEL PIN W/CAP
- FOUND 1/2" STEEL PIN
- SET 1/2" STEEL PIN W/CAP
- FOUND PK NAIL
- SET PK NAIL
- CALCULATED POINT
- WC — WITNESS CORNER
- EASEMENT - UTILITY
- EASEMENT - TEMPORARY
- EASEMENT - SETBACK
- PROJECT BOUNDARY
- P/L — P/L — PROPERTY LINES
- SECTION LINES
- R/W — R/W — PRESCRIPTIVE RIGHT OF WAY
- ROW — ROW — DEDICATED RIGHT OF WAY
- ( ) — DATA OF RECORD
- 6 / 7 — QUARTER SECTION - NOT FOUND
- 5 — CENTER SECTION
- 5 / 6 / 7 / 8 — SECTION CORNER - FOUND

EXISTING UTILITY

- 8"W — 8"W — WATERLINE & VALVE
- 12"SS> — 12"SS> — SANITARY SEWER LINE & MANHOLE
- <4"SS — <4"SS — SANITARY SEWER SERVICE & CLEANOUT
- PS — PS — PRESSURE SEWER LINE & VALVE VAULT
- 10"SD> — 10"SD> — STORM DRAIN LINE & MANHOLE
- 8"PI — 8"PI — 8"PI — PRESSURE IRRIGATION & VALVE
- GI — GI — GI — GRAVITY IRRIGATION & MANHOLE
- PP — OHP — OHP — OVERHEAD POWER LINE & POWER POLE
- UGP — UGP — UNDERGROUND POWER LINE
- SIGNAL POLE
- LIGHT POLE
- NG — NG — NG — NATURAL GAS LINE
- FO — FO — FO — FIBER OPTIC LINE
- TR — T — T — TELEPHONE LINE & RISER
- TV — CABLE — CABLE — CABLE LINE & RISER

PROPOSED GRADING

- 2457 — TOPOGRAPHIC CONTOUR
- RIDGELINE
- 1.50% — DRAINAGE ARROW & SLOPE
- +57.73 — SPOT ELEVATION
- SWALE FLOWLINE
- DAYLIGHT - CUT LINE
- DAYLIGHT - FILL LINE

PROPOSED MISCELLANEOUS

- CLEARING AND GRUBBING
- CONSTRUCTION PHASE LIMITS
- DEMOLITION/ABANDON

PROPOSED SITE

- BUILDING OR STRUCTURE
- CONCRETE
- ASPHALT
- GRAVEL SURFACE
- GRAVEL SECTION
- LANDSCAPE ROCK

PROPOSED SITE (CONT.)

- GENERIC GATE / SWING GATE / SLIDER GATE — FENCE (BARBED WIRE OR OTHER WITH GATES)
- FENCE (CHAINLINK WITH GATE)
- EP — EP — EDGE OF PAVEMENT
- EG — EG — EDGE OF GRAVEL
- SIGN
- 6" VERTICAL CURB, GUTTER, SIDEWALK & INLET
- 6" VERTICAL CUT CURB & GUTTER
- 6" REVERSE CURB & GUTTER
- 6" REVERSE CUT CURB & GUTTER
- IMBEDDED CURB

PROPOSED UTILITY

FITTING TYPES: FLANGED (F) / MECHANICAL JOINT (M)

- 45° — 8"W — BEND
- 8"W — 8"W — 8"W — REDUCING TEE
- TEE
- REDUCER
- FLANGE TO MECHANICAL JOINT COUPLING
- CROSS
- CAP W/BLIND FLANGE
- CHECK VALVE
- GATE VALVE
- BUTTERFLY VALVE
- BLOW-OFF VALVE
- RESTRAINED FITTING
- WM — WATER SERVICE LINE & METER
- FIRE HYDRANT
- 8" FIRE — 8" FIRE — FIRE LINE
- 8"W — 8"W — WATERLINE
- MW — MONITORING WELL
- LOCATION WIRE BOX
- NON-FREEZE YARD HYDRANT
- 8"PI — PRESSURE IRRIGATION, TEE & GATE VALVE
- 2"PI — PRESSURE IRRIGATION SERVICE
- 8"GI< — 8"GI< — GRAVITY IRRIGATION & STRUCTURE

PROPOSED UTILITY (CONT.)

- 8"SS< — 8"SS< — SANITARY SEWER & MANHOLE
- 4"SS< — SANITARY SEWER SERVICE & CAP
- 4"SS< — 4"SS< — SANITARY SEWER SERVICE & CLEANOUT
- 8"PS< — 8"PS< — PRESSURE SEWER & VALVE VAULT
- 18"SD< — 15"SD< — STORM DRAIN LINE, INLET & CATCH BASIN
- 12"SD< — 12"SD< — STORM DRAIN LINE & MANHOLE W/ VENTED LID
- JOINT TRENCH IN PROFILE
- CABLE & TELEPHONE RISERS
- JT — DEVICE — JT — JOINT TRENCH & DEVICE
- JUNCTION BOX & DUCT BANK
- NG — GM — NG — NATURAL GAS LINE & METER
- NG — GR — NG — NATURAL GAS LINE & RISER
- NG — NG — NATURAL GAS LINE & VALVE
- UGP — UGP — UNDERGROUND POWER
- OHP — PP — OHP — OVERHEAD POWER & POLE
- LIGHT POLE
- TR — T — T — TELEPHONE LINE & RISER
- T — FO — FO — FIBER OPTIC LINE & VAULT
- T/D — T/D — TELEPHONE DATA LINE
- TV — CABLE — CABLE & TV RISER

PROFESSIONAL ENGINEER — LICENSED — RILEY D. BRADSHAW — 17823 — STATE OF IDAHO — 3/31/2023

KELLER ASSOCIATES

nbwarchitects p.a. ARCHITECTURE / PLANNING / INTERIORS
NBW JOHN NORRIS BRADLEY P.A. P.O. BOX 2127 SUN VALLEY, IDAHO 83340
(208) 726-3112 FAX (208) 726-3113 EMAIL NBW@NBWARCHITECTS.COM

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGE'S
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: CIVIL SYMBOLS & LINE LEGEND

REVISIONS

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GENERAL NOTES:

1. ALL NOTES SPECIFIED HEREIN ARE TO BE COMPLETED OR ADHERED TO BY THE CONTRACTOR, UNLESS SPECIFICALLY NOTED TO BE PERFORMED BY OTHER PARTIES.
2. THESE NOTES ARE INTENDED TO CLARIFY AND COMPLEMENT THE DRAWINGS, PROJECT SPECIFICATIONS, AND STANDARD SPECIFICATIONS. CONTRACTOR SHALL REPORT ANY CONFLICTS OR DISCREPANCIES TO THE ARCHITECT/ENGINEER FOR RESOLUTION IMMEDIATELY UPON DISCOVERY.
3. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 2020 EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC) EXCEPT AS MODIFIED BY THE PROJECT SPECIFIC PLANS AND SPECIFICATIONS. THE CONTACTOR SHALL KEEP A COPY OF THE 2020 ISPWC, PROJECT PLANS AND SPECIFICATIONS, AND ALL DOCUMENTS MODIFYING THE WORK (CHANGE ORDERS, SUPPLEMENTAL INSTRUCTION, ETC.) ON THE JOBSITE AT ALL TIMES. A COPY OF THE ISPWC CAN BE OBTAINED AT: HTTPS://LHTAC.ORG/RESOURCES/ISPWC/
4. ALL EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE LOCATIONS. CONTRACTOR TO HIRE THE SERVICES OF A PRIVATE UTILITY LOCATOR POSSESSING BOTH GROUND PENETRATING RADAR AND ELECTROMAGNETIC LOCATING EQUIPMENT, TO VERIFY LOCATION OF UNDERGROUND UTILITIES. CONTRACTOR TO NONDESTRUCTIVELY POTHOLE UNDERGROUND UTILITIES AS NEEDED TO VERIFY SIZE OF PIPES, CONDUITS, ETC. BEFORE ORDERING MATERIALS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS TO THE ARCHITECT/ENGINEER.
5. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING OR CONSTRUCTED UTILITIES AND SHALL REPAIR DAMAGES IN ACCORDANCE WITH UTILITY OWNER'S REQUIREMENTS AT NO ADDITIONAL COST. CONTRACTOR IS RESPONSIBLE TO COORDINATE AND NOTIFY ALL AFFECTED UTILITY OWNERS. CALL DIG LINE AT 800-342-1585 PRIOR TO ANY EXCAVATION ACCORDING TO STATE LAW.
6. CONTRACTOR SHALL REMOVE ALL OBSTRUCTIONS, BOTH ABOVE AND BELOW GROUND, AS REQUIRED FOR THE CONSTRUCTION OF THE PROJECT. THIS SHALL INCLUDE CLEARING AND GRUBBING WHICH CONSISTS OF CLEARING THE GROUND SURFACE OF ALL TREES, STUMPS, BRUSH, ROCK, UNDERGROWTH, VEGETATION, FENCES, STRUCTURES, DEBRIS, RUBBISH, AND SUCH MATERIAL WHICH, IN THE OPINION OF THE ENGINEER OR ARCHITECT, IS UNSUITABLE FOR THE FOUNDATION OF PAVEMENTS. TOPSOIL TO A MINIMUM DEPTH OF 12" SHALL BE REMOVED FROM ALL AREAS SCHEDULED FOR STRUCTURES, CONCRETE OR ASPHALT. TOPSOIL SHALL BE STOCKPILED SEPARATELY FROM OTHER EXCAVATED MATERIAL FOR PLACEMENT AT LANDSCAPING AREAS. ALL MATERIAL NOT SUITABLE FOR FUTURE USE ON SITE SHALL BE DISPOSED OF OFF SITE AT CONTRACTOR'S EXPENSE.
7. PROTECT ALL WORK CONSTRUCTED UNDER THESE PLANS UNTIL THE WORK IS ACCEPTED BY THE OWNER.
8. REFER TO THE PROJECT MANUAL FOR ADDITIONAL DIVISION 01 GENERAL REQUIREMENTS (SCHEDULE, SUBMITTALS, SURVEYING, TEMPORARY FACILITIES, CLOSEOUT PROCEDURES, ETC).
9. CONTRACTOR SHALL PROVIDE CONSTRUCTION TRAFFIC CONTROL AND DEVICES IN ACCORDANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) WHERE PERFORMANCE OF THE WORK IMPACTS PEDESTRIAN OR VEHICULAR TRAFFIC. TRAFFIC CONTROL MEASURES SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF THE WORK.
10. OWNER WILL HIRE A CERTIFIED MATERIALS TESTING FIRM TO PROVIDE ALL TESTING NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THE ISPWC AND PROJECT SPECIFICATIONS UNLESS NOTED OTHERWISE. OWNER WILL DISTRIBUTE TESTING RESULTS TO ENGINEER, ARCHITECT, AND CONTRACTOR. ALL TESTING AND INSPECTION FOR THE PROJECT SHALL BE OBTAINED BY THE OWNER AT THE OWNER'S EXPENSE UNLESS NOTED OTHERWISE.
11. SERVICE OUTAGES FOR EXISTING UTILITIES MUST BE COORDINATE WITH AND APPROVED BY THE OWNER AND ARCHITECT/ENGINEER IN ADVANCE. CONTRACTOR SHALL SUBMIT A PROPOSED WORK PLAN FOR INSTALLATION OF NEW SEWER INFRASTRUCTURE AND ASSOCIATED SERVICE OUTAGES. CONTRACTOR SHALL PROVIDE BY-PASS PUMPING AT NO ADDITIONAL COST IF NECESSARY TO PREVENT SERVICE OUTAGES GREATER THAN 24 HOURS.
12. PROVIDE UTILITY SUPPORT AT ALL TRENCH CROSSINGS AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ARCHITECT/ENGINEER IF UTILITIES MARKED BY DIG LINE OR FIELD VERIFIED WILL CAUSE MODIFICATION TO THE DESIGN.
13. ALL MISCELLANEOUS STRUCTURES SUCH AS FENCES, MAILBOXES, SIGNS, IRRIGATION AND DRAINAGE FACILITIES, SIGNS, UTILITY POLES, LINE AND APPURTENANCES WHEN NECESSARY TO BE REMOVED OR DISTURBED, SHALL BE REPLACED OR RECONSTRUCTED TO BETTER THAN OR EQUAL THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
14. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY WHICH APPLY TO THE WORK PERFORMED. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ALL OTHER PARTIES VISITING THE PROJECT SITE OF REQUIRED SAFETY PROCEDERES TO BE FOLLOWED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES, AND CONTROL OF TRAFFIC WITHIN THE PROJECT AREA.
15. WHERE "ARCHITECT/ENGINEER" IS USED IN THESE NOTES, BOTH THE ARCHITECT AND ENGINEER ARE TO BE INCLUDED IN APPROVALS, DOCUMENTATION, REPORTING, CLARIFICATIONS, ETC.

SANITARY SEWER:

1. INSTALL SANITARY SEWER SERVICE IN ACCORDANCE WITH ISPWC DIVISION 500 AND THE STATE-ADOPTED PLUMBING CODE.
2. SEWER MAIN AND SERVICE PIPING SHALL BE SDR-35 PVC PER ISPWC.
3. UTILIZE CLASS A-1 BEDDING SYSTEM FOR SEWER MAIN LINE AND CLASS A-1 OR B-2 BEDDING SYSTEM FOR SEWER SERVICES PER ISPWC SECTION 305 AND SD-301 AND SD-302.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING REQUIRED BY ISPWC SECTION 501.3.4.
5. SUPPLY ALL MATERIALS NECESSARY TO RAISE MANHOLES AND CLEAN-OUTS TO FINISH GRADE AND RE-MOBILIZE TO RAISE MANHOLES FRAME AND CLEAN-OUTS TO GRADE AND INSTALL CONCRETE COLLARS AFTER PAVING.

STORMWATER POLLUTION PREVENTION PLAN (SWPPP):

1. IF THE TOTAL COMBINED DISTURBED AREA BETWEEN ALL AREAS SELECTED TO PROCEED WITH CONSTRUCTION WILL BE LARGER THAN 1 ACRE, CONTRACTOR SHALL CREATE, SUBMIT, AND IMPLEMENT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) DRAWING AND NARRATIVE, FILING OF THE NOTICE OF INTENT (NOI), AND FILING OF THE NOTICE OF TERMINATION (NOT). CONTRACTOR SHALL COORDINATE WITH IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY (IDEQ) TO FILE SWPPP, NOI, AND NOT AND OBTAIN NECESSARY STORMWATER DISCHARGE PERMITS.
2. THE SWPPP SHALL BE PREPARED BY A PLAN DESIGNER EXPERIENCED IN SWPPP PREPARATION AND EXECUTED AND MAINTAINED BY THE CONTRACTOR OR ITS SUBCONTRACTOR(S).
3. THE CONSTRUCTION GENERAL PERMIT (CGP) AND INSTRUCTIONS FOR COMPLETING THE NOI AND NOT FORMS CAN BE FOUND ON THE IDEQ WEBSITE: HTTPS://WWW.DEQ.IDAHO.GOV/WATER-QUALITY/WASTEWATER/STORM-WATER/. ADDITIONAL RESOURCES CAN BE FOUND AT THE EPA WEBSITE: HTTP://WWW.EPA.GOV/NPDES/STORMWATER/CGP., THE SWPPP SHALL BE PREPARED AND SUBMITTED TO THE ARCHITECT/ENGINEER FOR COMMENT PRIOR TO THE FILING OF THE NOI. PRIOR TO FILING THE NOT, THE CONDITIONS LISTED IN PART 5 OF THE CGP SHALL BE MET.
4. ONCE A SWPPP HAS BEEN PREPARED, THE CONTRACTOR AND THE OWNER WILL BOTH BE REQUIRED TO SUBMIT AN ELECTRONIC NOI TO IDEQ ON THE WEBSITE LISTED ABOVE.
5. COMPLY WITH ANY IDEQ REQUIREMENTS FOR PUBLIC NOTICE OR REVIEW PERIODS BEFORE THE SWPPP IS CONSIDERED APPROVED AND CONSTRUCTION ALLOWED TO COMMENCE.
6. PRIOR TO STARTING CONSTRUCTION, THE SWPPP MUST BE IMPLEMENTED. NO CONSTRUCTION ACTIVITY OR LAND DISTURBING ACTIVITY WILL BE ALLOWED TO COMMENCE UNTIL THE SWPPP PLAN HAS FULLY BEEN IMPLEMENTED.
7. CONTRACTOR IS RESPONSIBLE TO INSTALL, MAINTAIN, AND REMOVE ALL BEST MANAGEMENT PRACTICES (BMPS) AND FOR ALL DOCUMENTATION REQUIRED TO KEEP THE SWPPP CURRENT.
8. BMPS FOR CONTROLLING POLLUTANT TRANSPORT FROM THE CONSTRUCTION SITE CAN BE FOUND IN A NUMBER OF PUBLICATIONS INCLUDING, BUT NOT LIMITED TO:
   a. IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY, CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES FOR IDAHO CITIES AND COUNTIES: PHONE: (208) 373-0502 OR ON THE INTERNET: HTTP://WWW.DEQ.STATE.ID.US/WATER/STORMWATER_CATALOG/INDEX.ASP
   b. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 10: (800) 424-4372 OR ON THE INTERNET AT: WWW.EPA.GOV/R10EARTH/STORMWATER.HTM
   c. IDAHO TRANSPORTATION DEPARTMENT, EROSION AND SEDIMENT CONTROL MANUAL, PHONE: (208) 334-8476

ASPHALT AND EXTERIOR CONCRETE

1. ALL UTILITIES, INCLUDING SERVICE LINES WITHIN TRAVEL WAYS, SHALL BE IN PLACE PRIOR TO CURB, GUTTER, SIDEWALK, AND STREET CONSTRUCTION.
2. SUBBASE - CONSTRUCT SUBBASE WITH 3" MINUS UNCRUSHED AGGREGATE (ISPWC SECTION 801.2.2, TABLE 1) IN 6" MAXIMUM LOOSE LIFTS. MOISTURE CONDITION AND COMPACT TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR, ASTM D1557. CONSTRUCT TO THE ELEVATIONS SHOWN.
3. BASE - CONSTRUCT BASE WITH 3/4" CRUSHED AGGREGATE, TYPE 1 (ISPWC SECTION 802.2.2, TABLE 1) IN 6" MAXIMUM LOOSE LIFTS. MOISTURE CONDITION AND COMPACT TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR, ASTM D1557. CONSTRUCT TO THE ELEVATIONS SHOWN.
4. PLANT MIX PAVEMENT - SUPPLY SUPERPAVE HOT ASPHALT PLANT MIX MEETING THE REQUIREMENTS OF THE IDAHO TRANSPORTATION DEPARTMENT, 1/2" SP 3, PG 64-28. PROVIDE CLEAN, SAW-CUT EDGES AT EXISTING ASPHALT TO BE PAVED AGAINST AND TACK COAT EDGES WITH CSS-1 DILUTED EMULSION. PLACE TO THE THICKNESS IDENTIFIED FOR EACH PAVING AREA. MAXIMUM LIFT THICKNESS SHALL NOT EXCEED 3 INCHES. SUBMIT JOB MIX FORMULA AND ITD APPROVAL LETTER OF PREVIOUSLY APPROVED MIX DESIGN. PREPARE A SUBMITTAL THAT INCLUDES:
   a. THE ORIGINAL APPROVED MIX DESIGN THAT INCLUDES THE CONFIRMED JMF FROM THE PREVIOUS PROJECT;
   b. ADJUSTMENTS MADE TO THE JMF THAT MAKE IT THE C-JMF;
   c. ADJUSTMENTS MADE TO THE C-JMF DURING PRODUCTION;
   d. DOCUMENTATION SUPPORTING THESE ADJUSTMENTS.
   e. CURRENT STOCKPILE QUALITY CONTROL TESTING THAT INCLUDES THE FOLLOWING TO CONFIRM THE MATERIAL IN STOCKPILE IS SIMILAR TO THE MATERIAL USED FOR THE ORIGINAL MIX DESIGN, INCLUDING RAP:
   f. SIEVE ANALYSIS ON THE STOCKPILES TO BE USED, INCLUDING CRUSHER CONTROL CHARTS;
   g. NOTE: PREVIOUSLY USED MIX DESIGNS THAT ARE USED DURING THE CALENDAR YEAR OF CONFIRMATION MAY OMIT STEP E IF THE STOCKPILES CONSIST OF THE CRUSHED MATERIAL, INCLUDING RAP, FROM THE ORIGINAL MIX DESIGN. PREVIOUSLY USED MIX DESIGNS THAT MORE THAN ONE CALENDAR YEAR HAS ELAPSED FROM THE TIME OF CONFIRMATION MUST INCLUDE STEP E.
   h. JMF WITH A CONTENT OF MORE THAN 30% RECYCLE ASPHALT PAVEMENT (RAP) WILL NOT BE ACCEPTED, REGARDLESS OF PRIOR ITD APPROVAL.
5. SEAL COAT – SEAL COAT SHALL BE CLASS 5 PER ISPWC 808.2.2 AND SHALL UTILIZE PG 64-28 GRADE ASPHALT.
6. SEE ISPWC DIVISION 700 FOR EXTERIOR CONCRETE REQUIREMENTS, EXCEPT AS MODIFIED BY PROJECT SPECIFICATIONS. SEE CIVIL DETAILS FOR DIRECTION ON EXPANSION AND CONTROL JOINT PLACEMENT.

DEMOLITION:

1. PROTECT ADJACENT AREAS WITH SUITABLE COVERINGS WHEN NECESSARY TO PREVENT DAMAGE TO STRUCTURES, LANDSCAPE, OR FACILITIES TO REMAIN, INCLUDING EXISTING CONCRETE AND ASPHALT SURFACES.
2. ASBESTOS – ASBESTOS IN STRUCTURES TO BE DEMOLISHED HAS BEEN MITIGATED BY THE OWNER PRIOR TO THIS PROJECT. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER AND ARCHITECT IF EVIDENCE OF ASBESTOS IS ENCOUNTERED.
3. LEAD INSPECTION – CONDUCT A LEAD INSPECTION PRIOR TO REMOVAL OF LEAD-CONTAINING COMPONENTS WHERE PAINT HAS BEEN APPLIED. DETERMINE IF MATERIALS GENERATED DURING CONSTRUCTION AND DEMOLITION ARE HAZARDOUS WASTES. THIS DETERMINATION CAN BE MADE BY REPRESENTATIVE SAMPLING OR BY APPLYING VERIFIABLE HISTORICAL KNOWLEDGE OF THE MATERIALS IN QUESTION. THE MOST TYPICAL CONTAMINANTS ARE LEAD AND OTHER HEAVY METALS. DEMOLITION RELATED WASTE CATEGORIES TYPICALLY INCLUDE:
   a. PAINT RESIDUE – PAINT CHIPS, PAINT SCRAPINGS, AND CONTAMINATED BLAST RESIDUE FROM BUILDING DEMOLITION PROJECTS
   b. DEMOLITION DEBRIS – METAL AND BOARDS THAT HAVE BEEN PAINTED WITH LEAD BASED OR OTHER HEAVY METAL BASED PAINT.
   c. SCRAP METAL – METAL OBJECTS THAT CONTAIN LEAD OR OTHER HEAVY METALS EITHER AS METAL OR IN THE FORM OF COATINGS.
4. REMOVAL OF LEAD COMPONENTS – ADHERE TO THE OSHA LEAD IN CONSTRUCTION STANDARD 29 CFR1926.62 DURING THE REMOVAL OF COMPONENTS CONTAINING ANY DETECTABLE AMOUNTS OF LEAD.
   a. BE RESPONSIBLE FOR CONDUCTING EMPLOYEE EXPOSURE MONITORING AND TRAINING AND PROVIDING EMPLOYEES WITH RESPIRATORS AND OTHER PERSONAL PROTECTIVE EQUIPMENT DURING EXPOSURE MONITORING AS DEFINED BY THE STANDARD. NEGATIVE EXPOSURE DATA COLLECTED WITHIN TWELVE MONTHS OF THE DEMOLITION WORK AND DURING SIMILAR WORK CONDITIONS, LEAD-CONTAINING MATERIAL, AND LEAD CONTENT MAY BE USED TO SUBSTANTIATE NO EXPOSURE TO EMPLOYEES AND BUILDING OCCUPANTS.
   b. IMPLEMENT HEALTH AND SAFETY MEASURES REQUIRED BY THE STANDARD IF AIRBORNE LEAD CONCENTRATIONS EQUAL OR EXCEED THE ACTION LEVEL 30 µG/M3.
   c. ENSURE AIRBORNE LEAD CONCENTRATIONS DO NOT EXCEED THE PERMISSIBLE EXPOSURE LIMIT (PEL) OF 50 µG/M3. IF CONCENTRATIONS EXCEED THE PEL, ENGINEERING CONTROLS SUCH AS LOCAL EXHAUST OR MECHANICAL VENTILATION SHALL BE UTILIZED.
   d. IN AREAS OF PEELING LEAD-CONTAINING PAINT, WET SCRAPING OR AN APPROVED ALTERNATE CONTROL MEASURE SHALL BE USED TO REMOVE THE CHIPS. THE REMAINING SURFACE SHALL BE STABILIZED WITH A PAINT ENCAPSULATING COATING.
   e. LEAD CONTAINING PAINTED STEEL THAT MUST BE REMOVED WITH SAWS OR TORCHES MUST BE LEAD ABATED PRIOR TO REMOVAL.
   f. FOR WORK CONDUCTED WITHIN OR NEAR OCCUPIED BUILDINGS, PROTECT THE BUILDING OCCUPANTS BY SEALING SHARED AIR SUPPLY AND EXHAUST VENTS, CONSTRUCTING RIGID BARRIERS, IMPLEMENTING DUST CONTROL METHODS, AND CREATING NEGATIVE PRESSURE WITHIN THE WORK AREA.
   g. PREVENT WASTEWATER CONTAINING PAINT CHIPS FROM ENTERING CANALS, DITCHES OR WATER WAYS.
5. DISPOSAL OF LEAD CONTAINING COMPONENTS
   a. PAINT RESIDUE – UNLESS THERE IS SUFFICIENT HISTORICAL KNOWLEDGE OF TYPES OF PAINT AND WHETHER OR NOT THEY CONTAINED HEAVY METALS TO MAKE AN ACCURATE DETERMINATION THAT THE RESIDUE IS EITHER HAZARDOUS OR NON-HAZARDOUS, PAINT RESIDUE MUST BE LABORATORY TESTED BEFORE DISPOSAL. THE APPROPRIATE TEST METHOD IS THE TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP), EPA METHOD 1311, REFERENCED IN THE CODE OF FEDERAL REGULATIONS, TITLE 40, PART 261(40 CFR 261). THE TEST MUST INCLUDE THE EIGHT METALS NOTED IN 40 CFR PART 261.24 (ARSENIC, BARIUM, CADMIUM, CHROMIUM, LEAD, MERCURY, SELENIUM AND SILVER).
   b. DEMOLITION DEBRIS – WHILE IT IS UNLIKELY THAT A REPRESENTATIVE SAMPLE OF THE DEBRIS WOULD FAIL THE TCLP MENTIONED ABOVE, ALL SOLID WASTES MUST RECEIVE A HAZARDOUS WASTE DETERMINATION WHEN GENERATED. IF THE CONTRACTOR'S KNOWLEDGE OF THE MATERIAL IS INSUFFICIENT TO MAKE AN ACCURATE HAZARDOUS WASTE DETERMINATION, THEN TESTING OF THE DEBRIS IS REQUIRED. DEMOLITION DEBRIS SHOULD NOT BE CHIPPED, SHREDDED, MILLED, GROUND, MULCHED OR SIMILARLY PROCESSED THAT WOULD INCREASE THEIR LEACHABILITY PRIOR TO DISPOSAL.
   c. SCRAP METAL – WHEN SCRAP METALS ARE SENT TO A SALVAGE YARD FOR RECYCLING HAS A MATERIAL CONTAINING HAZARDOUS SUBSTANCES, IT IS NOT NECESSARY TO MAKE A HAZARDOUS WASTE DETERMINATION ON THOSE MATERIALS. IF SUCH DISPOSAL IS NOT POSSIBLE, THE METAL WOULD ALSO BE SUBJECT TO A HAZARDOUS WASTE DETERMINATION AS DESCRIBED ABOVE.
6. HAZARDOUS WASTES, INCLUDING LEAD, MUST BE MANAGED WHILE ONSITE, TRANSPORTED AND DISPOSED ACCORDING TO STATE AND FEDERAL LAWS AND REGULATIONS. THIS MAY REQUIRE THE CONTRACTOR TO SEND PAINT RESIDUE, DEMOLITION DEBRIS OR SCRAP METAL TO A PERMITTED HAZARDOUS WASTE DISPOSAL FACILITY AND ASSURE SPECIFIC WASTES ARE MANAGED IN COMPLIANCE WITH THOSE REGULATIONS. IF LABORATORY ANALYSIS SHOW PAINT RESIDUE IS NONHAZARDOUS, IT MUST BE DISPOSED AT A SANITARY LANDFILL AS SPECIAL WASTE. PAINT RESIDUE MAY NOT BE DISPOSED IN A DEMOLITION WASTE LANDFILL.

DEWATERING:

1. CONTRACTOR IS ADVISED THAT THE PROJECT AREA MAY EXPERIENCE HIGH GROUNDWATER. GROUNDWATER LEVELS HAVE NOT BEEN DIRECTLY MONITORED IN PREVIOUS YEARS. SEE PROJECT GEOTECHNICAL REPORT FOR OBSERVATIONS REGARDING POTENTIAL GROUNDWATER LEVELS. OWNER REPORTS THAT GROUNDWATER LEVELS HAVE HISTORICALLY BEEN HIGHEST DURING THE SUMMER IRRIGATION SEASON AND LOWEST IN EARLY SPRING BEFORE CANALS HAVE BEEN FILLED. PIEZOMETERS INSTALLED BY THE GEOTECHNICAL ENGINEER MAY BE UTILIZED BY THE CONTRACTOR DURING CONSTRUCTION TO MONITOR CHANGES TO GROUNDWATER LEVEL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY DEWATERING EFFORTS TO FACILITATE PROPER CONSTRUCTION OF THE PROJECT AND MAINTAIN A GROUNDWATER LEVEL BELOW DEPTH OF IMPROVEMENTS OR AS NOTED IN THE PLANS AND SPECIFICATIONS. WHERE POSSIBLE, CONSTRUCTION SCHEDULE SHOULD TAKE SEASONAL GROUNDWATER INTO ACCOUNT AND AVOID PERIODS OF HIGH GROUNDWATER WHEN EXCAVATING.
3. CONTRACTOR TO OBTAIN A SHORT-TERM ACTIVITY EXEMPTION PERMIT FROM THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY FOR DISCHARGE OF GROUNDWATER FOR THE DURATION OF DEWATER ACTIVITIES.

SUBGRADE PREPARATION:

1. IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER OR REPRESENTATIVE, PREPARE THE SUBGRADE BY THOROUGHLY PROOFROLLING WITH A LOADED TANDEM-AXLE DUMP TRUCK WITH A MINIMUM WEIGHT OF 20 TONS, OR 40-TON STATIC ROLLER. OBTAIN THE GEOTECHNICAL ENGINEER'S APPROVAL PRIOR TO PROCEEDING.
2. IN AREAS WHERE SOFT OR DISTURBED CONDITIONS ARE IDENTIFIED, EXCAVATE, REMOVE AND DISPOSE OF UNSUITABLE SOFT SPOT MATERIAL. IF THE MATERIAL IS SUITABLE EXCEPT FOR EXCESSIVE MOISTURE CONTENT, SCARIFY AND DRY THE MATERIAL TO THE ACCEPTABLE MOISTURE CONTENT, OR REPLACE WITH ENGINEER-APPROVED MATERIALS, AND RECOMPACT TO THE DENSITY OF THE MATERIAL TO PLACE OVER THE AREA. SOFT SPOT REPAIR SHALL BE INCIDENTAL TO THE WORK. NO SPECIAL PAYMENT WILL BE MADE FOR SOFT SPOT REPAIR.
3. GEOTECHNICAL ENGINEER TO SUBMIT A SUBGRADE INSPECTION REPORT NOTING THE MEANS AND METHODS USED TO PROOFROLL THE SUBGRADE AND ANY CORRECTIONS OR REPAIRS MADE.

EXISTING SURVEY MONUMENTS:

1. REFERENCE ALL PUBLIC AND PRIVATE LAND SURVEY MONUMENTS THAT WILL BE DISTURBED BY CONSTRUCTION ACTIVITIES PRIOR TO DISTURBING. REESTABLISH SUCH MONUMENTS AS PART OF THE SURVEY WORK FOR THIS PROJECT BEFORE PROJECT COMPLETION.
2. SECTION CORNER AND QUARTER CORNER MONUMENTS RESET AFTER CONSTRUCTION SHALL INCLUDE CORNER PERPETUATIONS AND FILING WITH THE COUNTY. SIXTEENTH CORNERS THAT ARE DISTURBED AND RESET AND HAVE EXISTING CORNER PERPETUATION FILED WITH THE COUNTY SHALL HAVE NEW PERPETUATION RECORDS FILED AFTER THE CORNER HAS BEEN RESET.
3. PERFORM ALL MONUMENT WORK IN ACCORDANCE WITH TITLE 55, CHAPTER 16 OF THE IDAHO STATE CODE.
4. PERFORM ALL CORNER REESTABLISHMENT AND CORNER PERPETUATION FILING WORK IN ACCORDANCE WITH STANDARD SURVEYING PRACTICES UNDER THE RESPONSIBLE CHARGE OF A PROFESSIONAL LAND SURVEYOR DULY AND PROPERLY REGISTERED IN THE STATE OF IDAHO.

LANDSCAPING AND IRRIGATION:

1. CONTRACTOR SHALL PROVIDE INTERIM IRRIGATION FOR REMAINING LANDSCAPE FEATURES DURING CONSTRUCTION IN AREAS WHERE IRRIGATION SYSTEMS ARE DISRUPTED. CONTRACTOR SHALL REPLACE ANY VEGITATION THAT DIES OR IS SIGNFICANTLY DAMAGED DUE TO LACK OF WATER RESULTING FROM ITS FAILURE TO PROVIDE ADEQUATE INTERIM IRRIGATION.
2. THE CONTRACT DOCUMENTS ESTABLISH AN IRRIGATION ALLOWANCE THAT IS TO BE UTILIZED BY THE CONTRACTOR TO PROVIDE A LICENSED LANDSCAPE SUBCONTRACTOR WHO SHALL REPAIR, REROUTE, REDESIGN, AND REBUILD THE EXISTING IRRIGATION SYSTEMS THAT WILL BE DISTURBED BY THE PROJECT. IRRIGATION COMPONENTS SHOWN IN PROJECT LANDSCAPE SHEETS (CONSISTING OF IRRIGATION CONNECTIONS TO NEW COTTAGES, BACKFLOW PREVENTER, AND DRIP IRRIGATION IN ROCK BORDER AROUND THE BUILDING) SHALL BE INCLUDED IN THE CONTRACTOR'S BID AND ARE NOT ELIGIBLE FOR THE IRRIGATION ALLOWANCE.
3. PRIOR TO CONSTRUCTION, LANDSCAPE SUBCONTRACTOR SHALL INVESTIGATE AND MAP EXISTING IRRIGATION SYSTEMS, DETERMINE CONSTRUCTION IMPACTS, AND PROPOSE A PLAN FOR RESTORING IRRIGATION SYSTEMS TO EQUAL OR BETTER CONDITION POST-PROJECT. THIS PLAN SHALL INCLUDE AN ESTIMATE OF COST TO PERFORM PROPOSED IMPROVEMENTS. IRRIGATION RESTORATION PLAN AND BUDGET SHALL BE APPROVED BY THE OWNER PRIOR TO COMMENCMENT OF THE WORK.

POTABLE WATER:

1. CONSTRUCT WATER MAIN AND SERVICE IMPROVEMENTS TO ISPWC DIVISION 400.
2. WATER LINES OF ANY SIZE SHALL HAVE A MINIMUM COVER DEPTH OF 5 FEET FROM THE FINISHED SURFACE ELEVATION.
3. A LICENSED FIRE SPRINKLER CONTRACTOR IS REQUIRED TO INSTALL THE FIRE SERVICE LINE. FIRE SERVICE LINE TO BE INSTALLED TO INTERNATIONAL FIRE CODE.
4. ALL TEES, PLUGS, CAPS, AND BENDS OF 11-1/4° AND GREATER AND AT OTHER LOCATIONS WHERE UNBALANCED FORCES WILL EXIST SHALL BE SECURED AND ANCHORED BY SUITABLE THRUST BLOCKING, RE: ISPWC SD-403.
5. TYPE A-I PIPE BEDDING SHALL BE USED ON ALL WATER MAINS. SERVICE LINES MAY UTILIZE TYPE A-1 OR B-2 BEDDING SYSTEMS. BEDDING SHALL BE PLACED TO DEPTH PER ISPWC SD-302.
6. ALL WATER PIPES, FITTINGS, AND ITEMS IN CONTACT WITH POTABLE WATER SHALL MEET ANSI/NSF 61.
7. SEPARATION OF POTABLE AND NON-POTABLE WATER LINES SHALL MEET THE REQUIREMENTS OF STATE CODE (IDAPA 58.01.08.542.07) AND ISPWC SD-407.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING REQUIRED BY ISPWC SECTION 401.3.

PROFESSIONAL ENGINEER LICENSED Digitally signed by RILEY D. BRADSHAW Date: 3/31/2023 17823 STATE OF IDAHO RILEY D. BRADSHAW

KELLER ASSOCIATES

nbwarchitects p.a. ARCHITECTURE / PLANNING / INTERIORS 990 SUN VALLEY ROAD / P. O. BOX 2127 / SUN VALLEY, IDAHO 83353 / (208) 726-9491 / FAX (208) 726-9492 / WWW.NBWARCHITECTS.COM

PROJECT: DJC: ST. ANTHONY COTTAGE'S
DPW PROJECT NO. 21725
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE: CIVIL GENERAL NOTES

REVISIONS

NBW PROJECT NO. 21023
DATE: DECEMBER 2022
DRAWN BY: JLP
CHECKED BY: RDB

DRAWING NO.: C0.2

J:\2081\06-078 JCC COTTAGES\C_DESN_CAD\3_DESIGN\D_PLANS-1000_GENERAL\C0.2 CIVIL GENERAL NOTES.DWG LAST SAVED: 11/3/2022 1:28 PM PRINTED: 3/31/2023 1:04 PM

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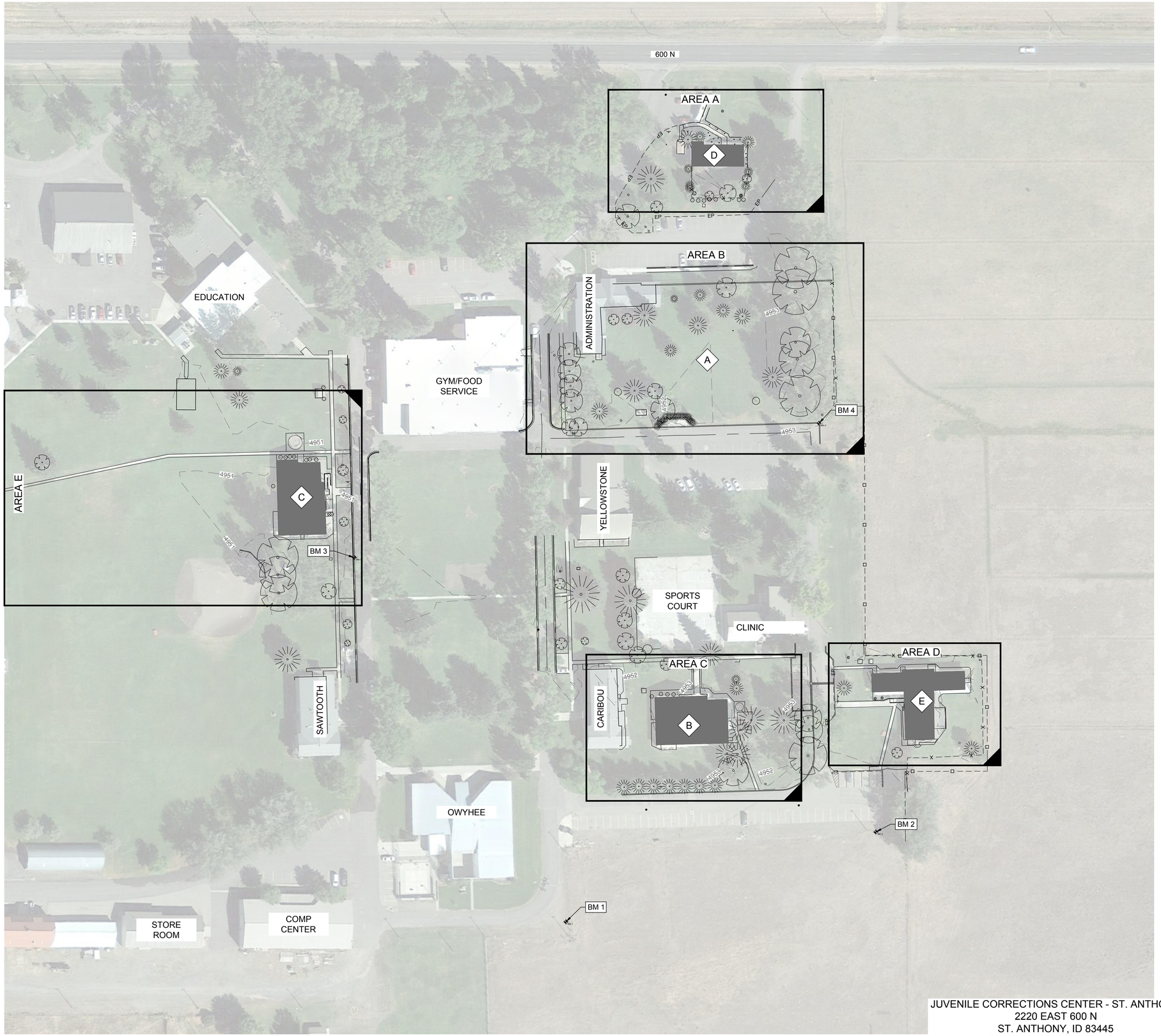

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GENERAL SHEET NOTES

1. UTILITIES ARE SHOWN IN A CONCEPTUAL MANNER ONLY IN THOSE AREA'S BEING CONSIDERED FOR IMPROVEMENTS (TARGHEE, CENTENNIAL, AREA SOUTH OF YELLOWSTONE, AND AREA SOUTHEAST OF ADMINISTRATION). CONTRACTOR TO POTHOLE EXISTING UTILITIES IN A NON-DESTRUCTIVE MANNER TO VERIFY LOCATION & DEPTH.
2. INFORMATION SHOWN WAS COMPILED FROM AVAILABLE UTILITY MAPPING AND FIELD SURVEY. CONTRACTOR TO CALL IDAHO DIGLINE FOR UTILITY LOCATES PRIOR TO CONSTRUCTION AND WILL BE RESPONSIBLE FOR ANY ADDITIONAL LOCATING EFFORTS NEEDED TO AVOID DAMAGE TO UTILITIES. CONTACT THE ENGINEER WITH ANY DISCREPANCY BETWEEN SITE CONDITIONS AND PROJECT PLANS.
3. AREA SHOWN IN THIS SHEET FALLS ENTIRELY WITHIN PROPERTY BOUNDARIES SHOWN IN COUNTY ONLINE PARCEL MAPPING.

BUILDING DESIGNATOR

- A - BITTERROOT COTTAGE (N)
- B - TARGHEE COTTAGE (N)
- C - CENTENNIAL COTTAGE (N)
- D - SUPERINTENDENT RESIDENCE (DEMOLISH)
- E - BITTERROOT COTTAGE (DEMOLISH)

BENCH MARKS

BENCH MARK #1 (BM #1) ALUMINUM CAP MARKED FORSGREN ASSOC.
N = 838978.01
E = 775400.27
EL = 4951.74'

BENCH MARK #2 (BM #2) 5/8" IRON ROD CAP
N = 839095.89
E = 775806.67
EL = 4952.93'

BENCH MARK #3 (BM #3) PK NAIL
N = 839631.86
E = 775732.17
EL = 4952.96'

BENCH MARK #4 (BM #4) PK NAIL
N = 839455.71
E = 775122.91
EL = 4950.32'

JUVENILE CORRECTIONS CENTER - ST. ANTHONY
2220 EAST 600 N
ST. ANTHONY, ID 83445
PARCEL #RP07N40E02JC00

LICENSED PROFESSIONAL ENGINEER
RILEY D. BRADSHAW
No. 17888
STATE OF IDAHO
3/31/2023

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
550 2ND STREET / P.O. BOX 2317 / IDAHO FALLS, IDAHO 83403-2317
OFFICE 208.522.8111 / FAX 208.522.8181 / EMAIL nbw@nbwarchitects.com

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGE'S
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
OVERALL PLAN & PROJECT CONTROL

REVISIONS

NBW PROJECT NO.
21023
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DRAWN BY:
JLP
CHECKED BY:
RDB

DRAWING NO.:
C0.3

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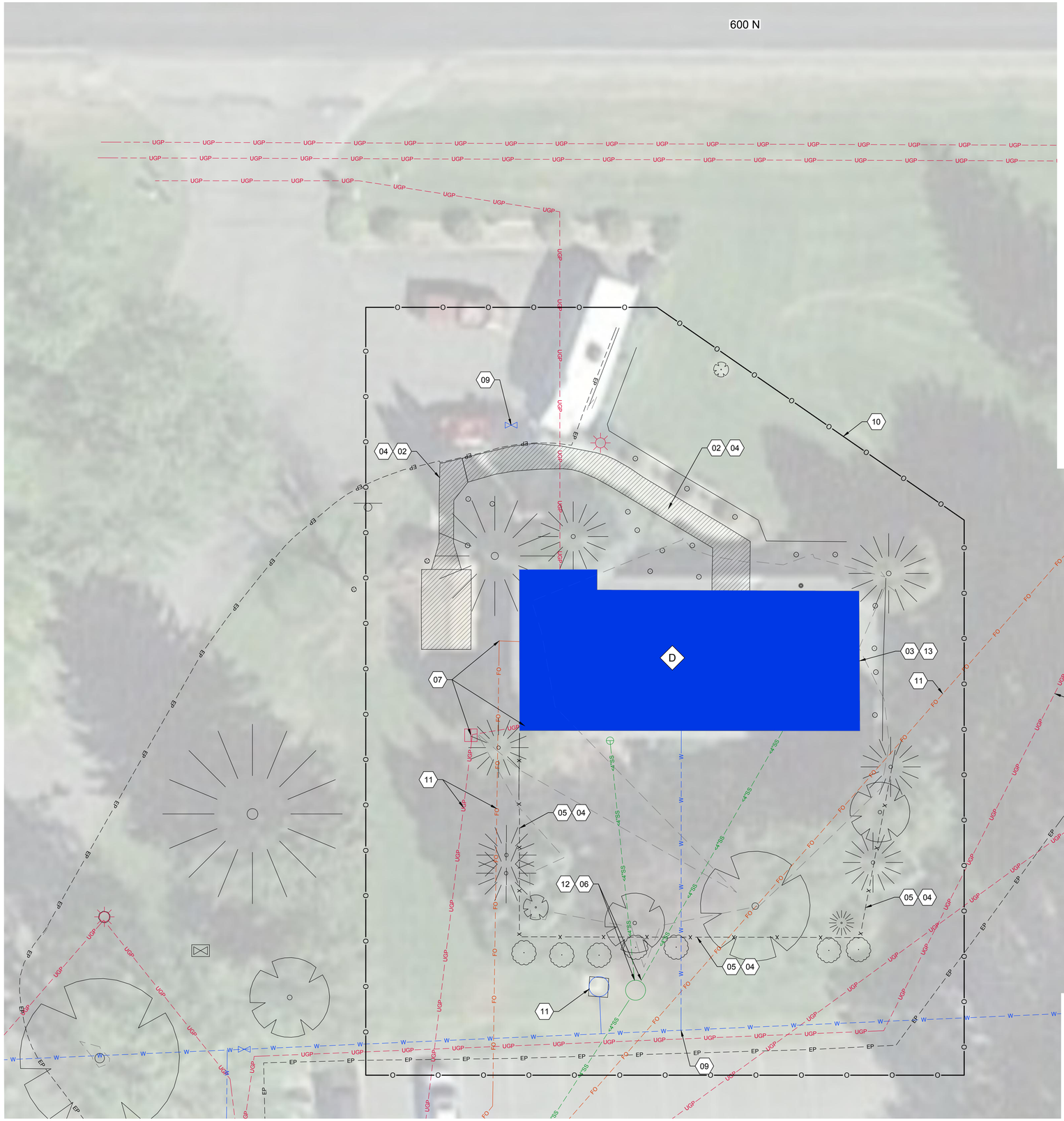

LOOKING SOUTH

LOOKING SOUTH EAST

LOOKING EAST

0 10 20

GENERAL SHEET NOTES

1. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION, CONTRACTOR TO VERIFY EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS FOR MORE INFORMATION.
2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.
4. RELEVANT CODES AND SPECIFICATIONS: 2020 EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC) AND 2018 INTERNATIONAL BUILDING CODE.
5. RETAIN AND PROTECT TREES AND SHRUBS. IF TREES OR SHRUBS NEED TO BE REMOVED NOTIFY THE ENGINEER PRIOR TO ANY REMOVAL WORK. DO NOT REMOVE TREES OR SHRUBS UNTIL RECEIVING ENGINEER APPROVAL.
6. NO DEMOLITION WORK SHALL BEGIN ON ANY STRUCTURE UNTIL ASBESTOS AND LEAD TESTING, DOCUMENTATION AND REMEDIATION (IF NECESSARY) PROCCESSES ARE COMPLETE. SUBMIT PROOF OF COMPLETION OF THESE ITEMS TO THE ENGINEER PRIOR TO BEGINNING ANY DEMOLITION WORK. SEE SHEET C.02 - CIVIL GENERAL NOTES FOR MORE INFORMATION.

SHEET KEYNOTES

01	NOT USED
02	REMOVE EXISTING SIDEWALK
03	DEMOLISH STRUCTURE, INCLUDING FOUNDATION. REMOVE & DISPOSE OF DEBRIS.
04	REPAIR LANDSCAPE & IRRIGATION IN ALL DISTURBED AREA'S
05	REMOVE FENCE
06	PLUG UPSTREAM INVERT WITH CLASS 3000 CONCRETE PER ISPWC SECTION 703 & ABANDON UPSTREAM LINE IN PLACE
07	DISCONNECT ELECTRICAL & FIBER SERVICE
08	NOT USED
09	CLOSE VALVE & CAP WATERLINE TO SUPERINTENDENT RESIDENCE
10	INSTALL TEMPORARY 6 FT TALL CHAINLINK CONSTRUCTION FENCE WITH LOCKABLE GATE. LOCATION SHOWN IS APPROXIMATE.
11	RETAIN & PROTECT EXISTING UTILITIES
12	RETAIN & PROTECT EXISTING MANHOLE.
13	AFTER DEMOLITION, PLACE & COMPACT CLEAN FILL AS NECESSARY TO BRING TO SURROUNDING GRADE. FINISH WITH 2" OF TOPSOIL. INSTALL SPRINKLER SYSTEM & SOD.

BUILDING DESIGNATOR

D - SUPERINTENDENT RESIDENCE (DEMOLISH)

LEGEND

-- CONCRETE BEING DEMOLISHED

-- STRUCTURES BEING DEMOLISHED

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
17888
3/31/2023
STATE OF IDAHO

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE/PLANNING/INTERIORS
990 JOHN ADAMS PARKWAY / P.O. BOX 2317 / IDAHO FALLS, IDAHO 83403-2317
OFFICE 208.522.8110 / FAX 208.522.8181 / WWW.NBWARCHITECTS.COM

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGE'S
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
BASE BID AREA 'A' DEMOLITION PLAN

REVISIONS

NBW PROJECT NO.
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DATE:
DECEMBER 2022
DRAWN BY:
JLP
CHECKED BY:
RDB

DRAWING NO.:
C1.1

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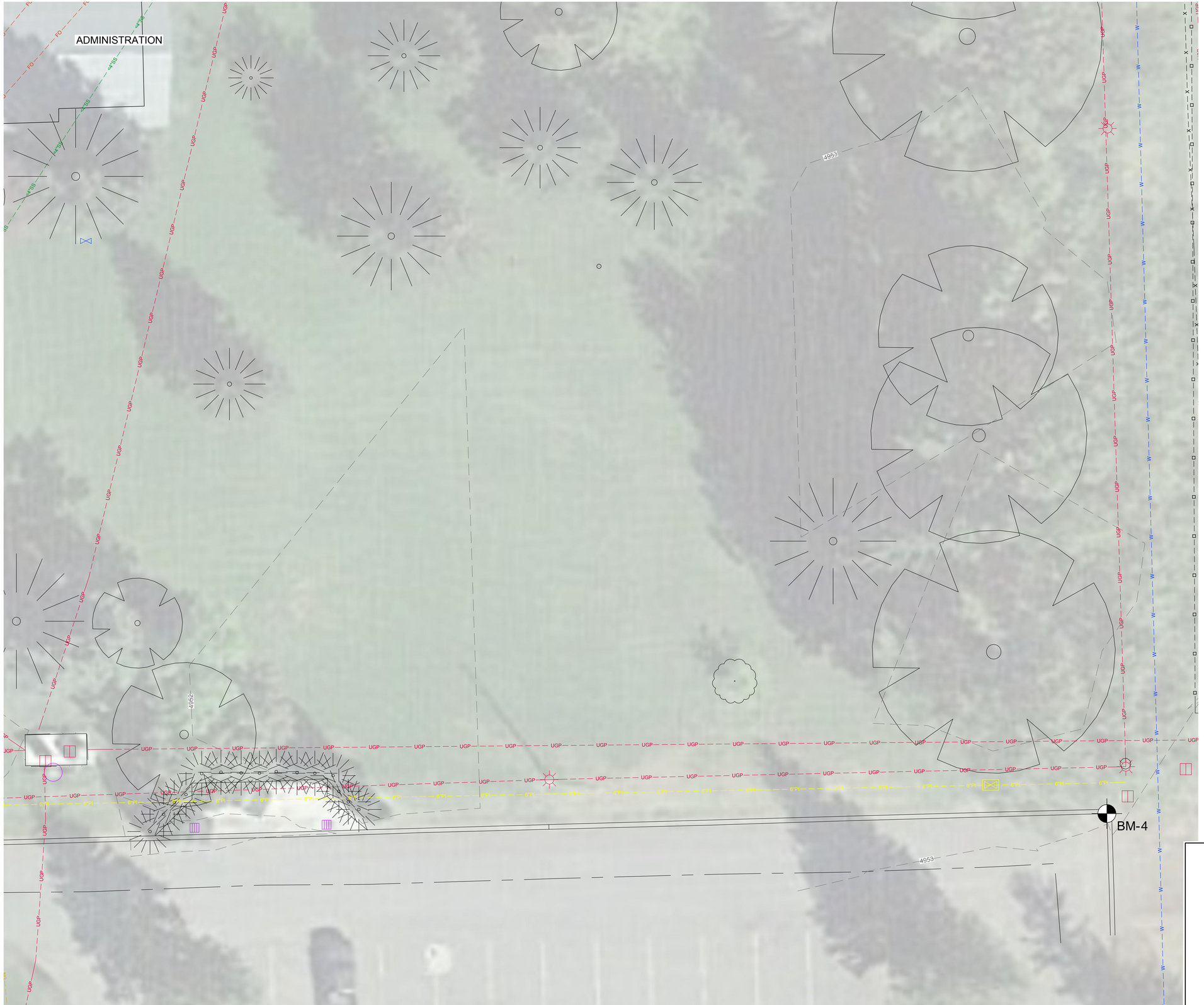

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GENERAL SHEET NOTES

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2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
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PROFESSIONAL ENGINEER — LICENSED — RILEY D. BRADSHAW — 17888 — STATE OF IDAHO — 3/31/2023

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
990 2ND STREET / P.O. BOX 2317 / IDAHO FALLS, IDAHO 83403-2317
OFFICE 208.522.8111 / FAX 208.522.8181 / WEB www.nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGE'S

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: BASE BID AREA 'B' EXISTING CONDITIONS & PROJECT CONTROL

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
JLP
CHECKED BY:
RDB

DRAWING NO.:

C2.0

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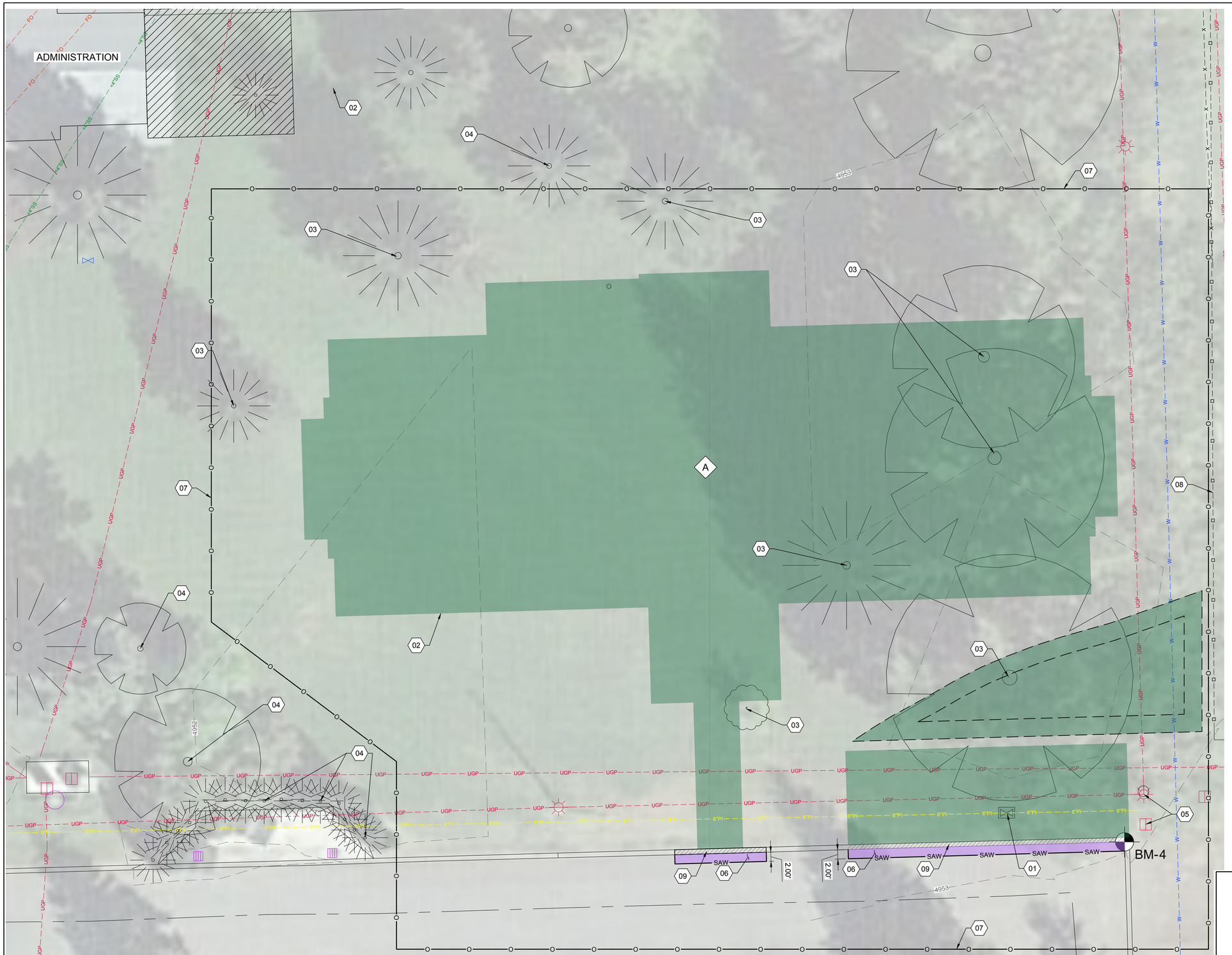

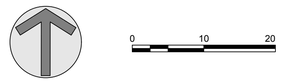

GENERAL SHEET NOTES

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2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.
4. RELEVANT CODES AND SPECIFICATIONS: 2020 EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC) AND 2018 INTERNATIONAL BUILDING CODE.
5. REMOVE SOD AS NECESSARY TO ACCOMMODATE CONSTRUCTION, RE: (HORIZONTAL CONTROL PLAN)
6. NO DEMOLITION WORK SHALL BEGIN ON ANY STRUCTURE UNTIL ASBESTOS AND LEAD TESTING, DOCUMENTATION AND REMEDIATION (IF NECESSARY) PROCCESSES ARE COMPLETE. SUBMIT PROOF OF COMPLETION OF THESE ITEMS TO THE ENGINEER PRIOR TO BEGINNING ANY DEMOLITION WORK. SEE SHEET C.02 - CIVIL GENERAL NOTES FOR MORE INFORMATION.

SHEET KEYNOTES

01 REMOVE & RELOCATE EXISTING IRRIGATION BOX. AFTER ENGINEERS APPROVAL OF IRRIGATION REPAIR PLAN (SEE SHEET C0.2 LANDSCAPING & IRRIGATION NOTES)

02 ACCOMMODATE ADMINISTRATION BUILDING EXPANSION PERFORMED BY OTHERS & RETAIN & PROTECT.

03 REMOVE TREE, INCLUDING STUMP

04 RETAIN & PROTECT TREES & SHRUBS. IF TREES OR SHRUBS NEED TO BE REMOVED NOTIFY THE ENGINEER PRIOR TO ANY REMOVAL WORK. DO NOT REMOVE TREES OR SHRUBS UNTIL RECEIVING ENGINEER APPROVAL.

05 RETAIN & PROTECT EXISTING UTILITIES

06 REMOVE PAVEMENT

07 INSTALL TEMPORARY 6 FT TALL CHAINLINK CONSTRUCTION FENCE WITH LOCKABLE GATE. LOCATION SHOWN IS APPROXIMATE.

08 INSTALLATION OF NEW ORNAMENTAL STEEL FENCE BY OTHERS. CONTRACTOR TO ACCOMMODATE FENCING CONTRACTOR & RETAIN & PROTECT NEW FENCE.

09 SAWCUT & REMOVE RIBBON CURB

BUILDING DESIGNATOR

A - BITTERROOT COTTAGE (N)

LEGEND

-- FOOTPRINT OF HARD SURFACE IMPROVEMENTS. CLEAR & GRUB AS NECESSARY

-- PAVEMENT REMOVAL - SAWCUT

-- ADMINISTRATION BUILDING EXPANSION

-- CONCRETE BEING DEMOLISHED

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
17888
3/31/2023
STATE OF IDAHO

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
990 2ND STREET / P.O. BOX 2317 / IDAHO FALLS, IDAHO 83403-2317
OFFICE 208.522.8111 FAX 208.522.8181 nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGE'S

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: BASE BID AREA 'B' DEMOLITION PLAN

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
JLP
CHECKED BY:
RDB

DRAWING NO.:

C2.1

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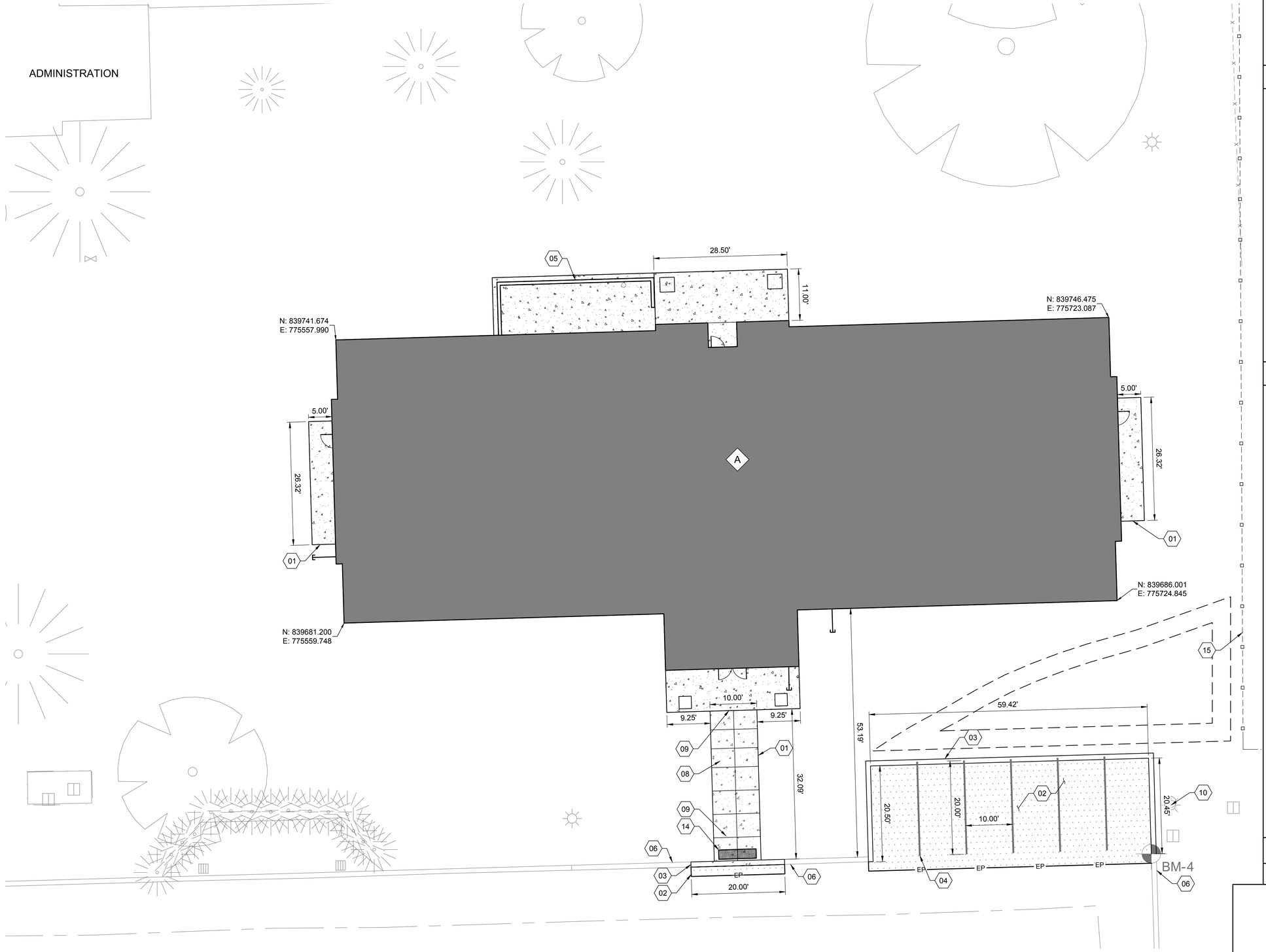

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GENERAL SHEET NOTES

1. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION. CONTRACTOR TO VERIFY EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS FOR MORE INFORMATION.
2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.
4. ALL DIMENSIONS ARE TO FACE OF CURB/ SLAB/ FOUNDATION WALL UNLESS NOTED OTHERWISE.
5. REFER TO A6.4 FOR CONCRETE CONTROL JOINT LAYOUT.
6. BUILDING CORNER COORDINATES REFERENCE EXTERIOR FACE OF FOUNDATION WALL. CONTRACTOR TO COORDINATE FINAL DIMENSIONS WITH ARCHITECTURAL PLANS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
7. REFER TO C6.0 LANDSCAPE PLAN FOR LANDSCAPE IMPROVEMENTS.

SHEET KEYNOTES

01	INSTALL SIDEWALK, SEE PLAN FOR DIMENSIONS; RE: C1401/C6.1
02	INSTALL ASPHALT PAVEMENT; RE: C1003/C6.1
03	INSTALL CONCRETE RIBBON CURB; RE: C1231/C6.1
04	INSTALL 4" WHITE STRIPE, TYPE - WATERBORNE PAINT, WHITE
05	INSTALL CMU WALL; RE: STRUCTURAL
06	RETAIN & PROTECT EXISTING RIBBON CURB
07	NOT USED
08	PLACE SIDEWALK CONTROL JOINT; RE: C1431/C6.1
09	PLACE SIDEWALK EXPANSION JOINT; RE: C1433/C6.1
10	RETAIN & PROTECT EXISTING LIGHT POLE
11	NOT USED
12	INSTALL HANDICAP ACCESSIBLE SYMBOL; RE: C8101/C6.1
13	INSTALL HANDICAP SIGN; RE: C8011/C6.1
14	INSTALL DETECTABLE WARNING FOR PEDESTRIAN ACCESS; RE: C1500/C6.1
15	INSTALLATION OF NEW ORNAMENTAL STEEL FENCE BY OTHERS. CONTRACTOR TO ACCOMMODATE FENCING CONTRACTOR & RETAIN & PROTECT NEW FENCE.

BUILDING DESIGNATOR

A - BITTERROOT COTTAGE (N)

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
No. 17888
STATE OF IDAHO
3/31/2023

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
990 2ND STREET / SUITE 2 / P.O. BOX 2327 / IDAHO FALLS, IDAHO 83403-2327
OFFICE 208.522.8777 / FAX 208.522.8787 / WEB www.nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGE'S

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: BASE BID AREA 'B' HORIZONTAL CONTROL PLAN

REVISIONS

NBW PROJECT NO.
21023
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DECEMBER 2022
DRAWN BY:
JLP
CHECKED BY:
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DRAWING NO.:

C2.2

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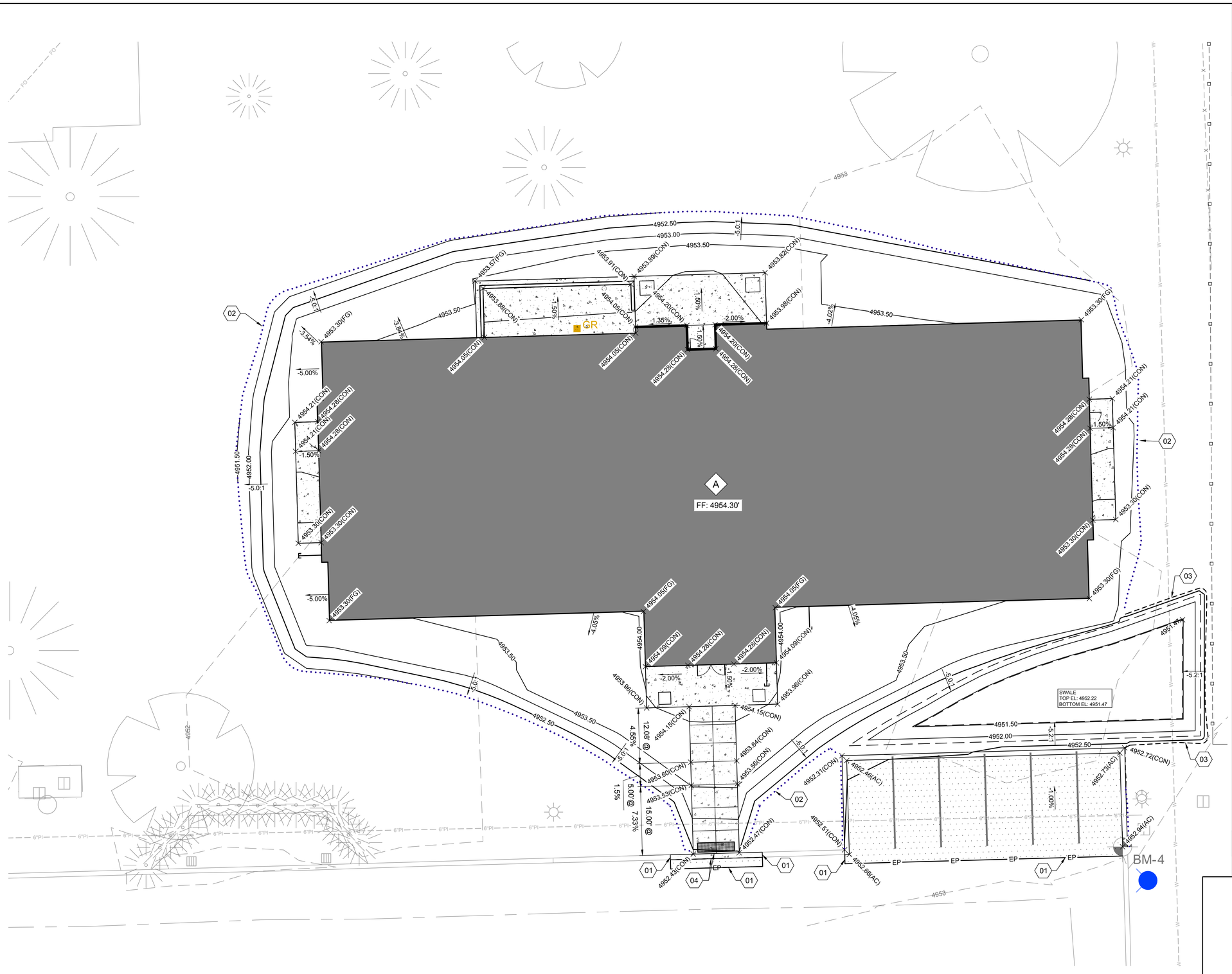

SHEET KEYNOTES

01 MATCH EXISTING ELEVATION

02 DAYLIGHT FILL LINE

03 DAYLIGHT CUT LINE

04 CONSTRUCT CURB SUCH THAT THERE IS NO MORE THAN 1/4" HEIGHT DIFFERENCE IN TRANSITION BETWEEN SURFACES.

ABBREVIATIONS

AC	- TOP OF ASPHALT
CON	- TOP OF CONCRETE
EX	- EXISTING
FF	- FINISH FLOOR
FL	- FLOW LINE
FG	- FINISH GRADE
G.B.	- GRADE BREAK
LIP	- LIP OF CURB
RIM	- RIM ELEVATION
ST	- CONCRETE STOOP
TBC	- TOP BACK OF CURB

BUILDING DESIGNATOR

A - BITTERROOT COTTAGE (N)

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
17888
STATE OF IDAHO
3/31/2023

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
944 2ND STREET / PO BOX 2317 / SUN VALLEY, IDAHO 83353
OFFICE 208.622.8111 / FAX 208.622.8116 / WWW.NBWARCHITECTS.COM

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGE'S
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: BASE BID AREA 'B' GRADING PLAN

REVISIONS

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21023
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JLP
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C2.3

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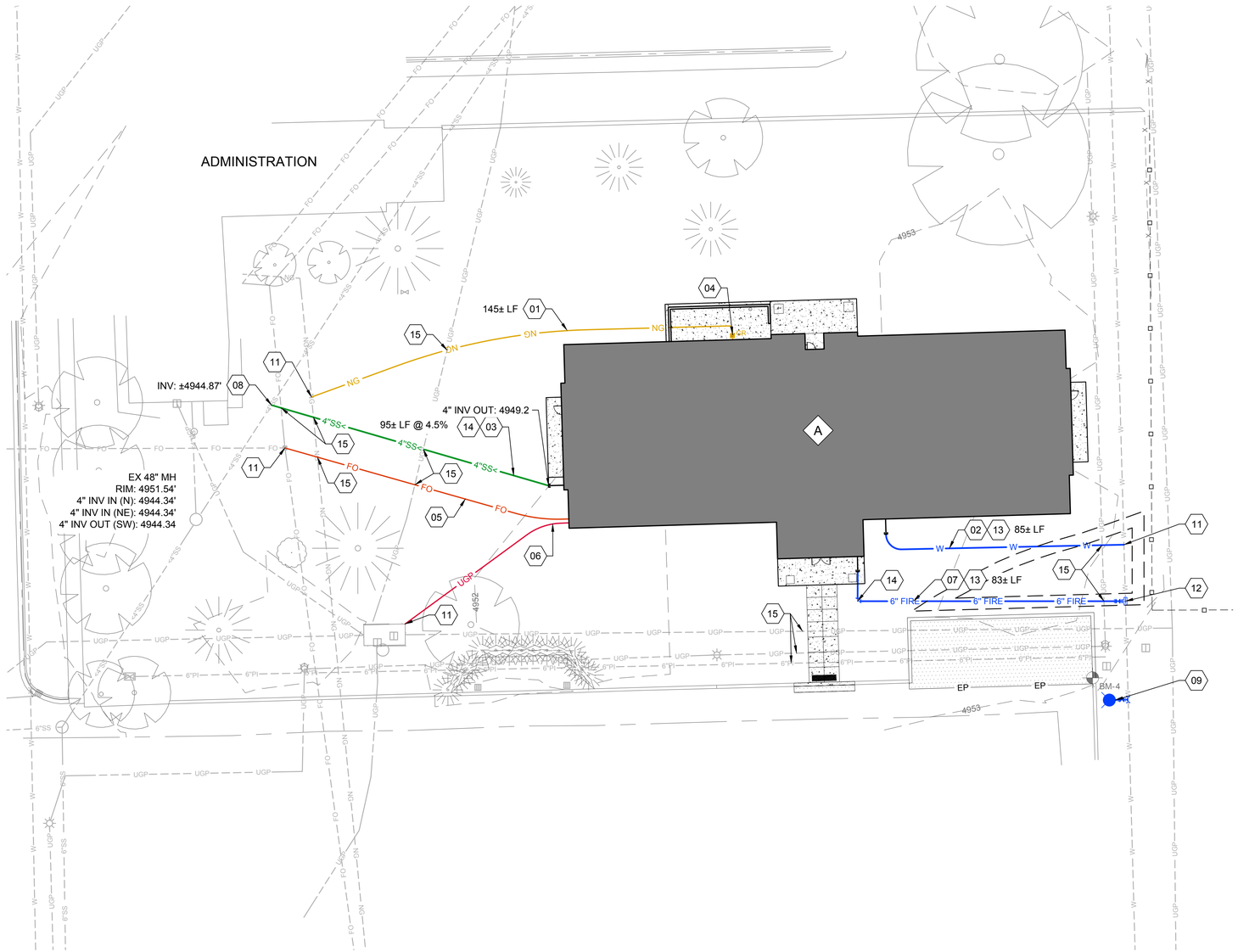

GENERAL SHEET NOTES

1. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION. CONTRACTOR TO FIELD VERIFY IN A NON-DESTRUCTIVE MANNER THE SIZE AND LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO ENGINEER.
2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.
4. MAINTAIN A MINIMUM 66" COVER ON 6" FIRE DEPARTMENT MAIN LINE.
5. ALL NATURAL GAS PIPING, CONNECTIONS, AND RISERS SHALL BE INSTALLED TO THE REQUIREMENTS OF THE INTERNATIONAL GAS CODE AND ANY STATE OR LOCAL CODES.
6. REFER TO C6.0 LANDSCAPE PLAN FOR LANDSCAPE IRRIGATION IMPROVEMENTS.

SHEET KEYNOTES

01 INSTALL PIPE - 1.25" PE2406 NATURAL GAS SERVICE LINE

02 INSTALL PIPE - 2" PE4710 POLY WATER SERVICE; RE: ISPWC SD-402

03 INSTALL PIPE - 4" SEWER SERVICE; RE: ISPWC SD-511

04 INSTALL PRESSURE REGULATOR; RE: PLUMBING FOR SIZING.

05 INSTALL FIBER SERVICE; RE: ELECTRICAL

06 RECONNECT TO EXISTING POWER SERVICE; RE: ELECTRICAL

07 INSTALL PIPE - 6" CLASS 50 DI FIRE LINE

08 RECONNECT TO EXISTING SEWER; RE: ISPWC SD-511

09 INSTALL FIRE HYDRANT ASSEMBLY; RE: ISPWC SD-404

10 NOT USED

11 CONNECT TO EXISTING UTILITY, FITTINGS AS REQUIRED

12 INSTALL FITTING - 10" TAPPING SADDLE & GATE VALVE

13 TYPICAL TRENCH SECTION; RE: ISPWC SD-301

14 INSTALL FITTING - 6" 90° BEND

15 RETAIN & PROTECT EXISTING UTILITIES

BUILDING DESIGNATOR

A - BITTERROOT COTTAGE (N)

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
17888
STATE OF IDAHO
3/31/2023

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
990 2ND AVENUE NORTH / P.O. BOX 2127 / TWIN FALLS, IDAHO 83303-2127
OFFICE 208.733.0717 / FAX 208.733.0830 / WWW.NBWARCHITECTS.COM

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGE'S

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: BASE BID AREA 'B' UTILITY PLAN

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
JLP
CHECKED BY:
RDB

DRAWING NO.:

C2.4

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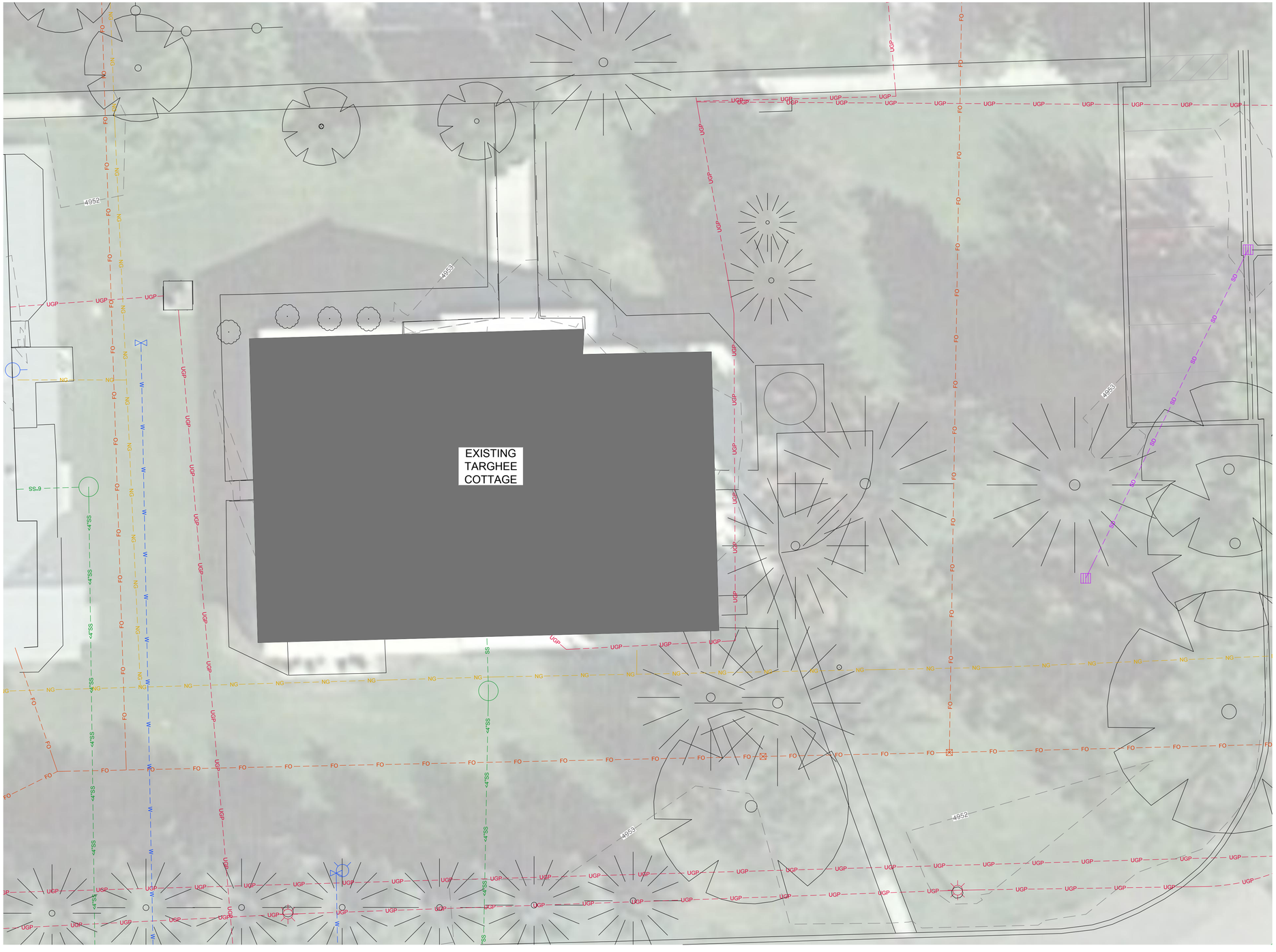

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GENERAL SHEET NOTES

1. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION. CONTRACTOR TO VERIFY EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS FOR MORE INFORMATION.
2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
17888
STATE OF IDAHO
3/31/2023

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
990 2ND STREET / P.O. BOX 2317 / IDAHO FALLS, IDAHO 83403-2317
OFFICE 208.522.8111 / FAX 208.522.8181 / WWW.NBWARCHITECTS.COM

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGE'S
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
ALTERNATE NO.1 AREA 'C' EXISTING CONDITIONS & PROJECT CONTROL

REVISIONS

NBW PROJECT NO.
21023
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DECEMBER 2022
DRAWN BY:
JLP
CHECKED BY:
RDB

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C3.0

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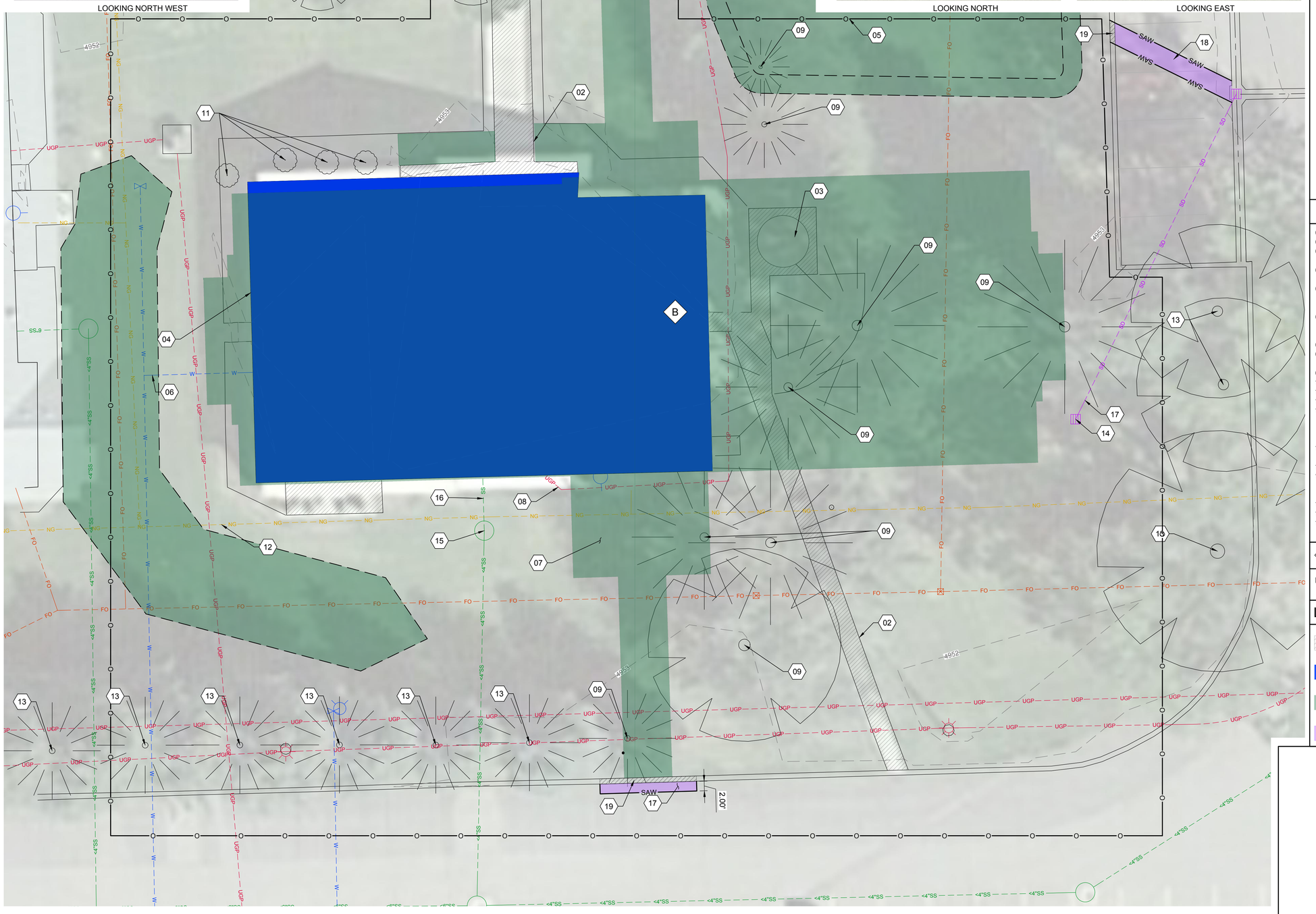

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GENERAL SHEET NOTES

1. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION, CONTRACTOR TO VERIFY EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS FOR MORE INFORMATION.
2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.
4. RELEVANT CODES AND SPECIFICATIONS: 2020 EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC) AND 2018 INTERNATIONAL BUILDING CODE.
5. REMOVE SOD AS NECESSARY TO ACCOMMODATE CONSTRUCTION; RE: C3.2
6. NO DEMOLITION WORK SHALL BEGIN ON ANY STRUCTURE UNTIL ASBESTOS AND LEAD TESTING, DOCUMENTATION AND REMEDIATION (IF NECESSARY) PROCCESSES ARE COMPLETE. SUBMIT PROOF OF COMPLETION OF THESE ITEMS TO THE ENGINEER PRIOR TO BEGINNING ANY DEMOLITION WORK. SEE SHEET C.02 - CIVIL GENERAL NOTES FOR MORE INFORMATION.

SHEET KEYNOTES

01 NOT USED
02 REMOVE EXISTING SIDEWALK
03 DEMOLISH FIRE PIT. REMOVE & DISPOSE OF DEBRIS
04 DEMOLISH STRUCTURE, INCLUDING FOUNDATION REMOVE & DISPOSE OF DEBRIS
05 INSTALL TEMPORARY 6 FT TALL CHAINLINK CONSTRUCTION FENCE WITH LOCKABLE GATE. LOCATION SHOWN IS APPROXIMATE.
06 CLOSE & ABANDON VALVE TO EXISTING WATER SERVICE (IF PRESENT); CUT & CAP SERVICE LINE & ABANDON IN PLACE
07 DISCONNECT FIBER SERVICE; RE: C3.4
08 DISCONNECT ELECTRICAL SERVICE; RE: C3.4
09 REMOVE TREES, INCLUDING STUMP
10 NOT USED
11 REMOVE SHRUBS
12 REROUTE GAS; RE: C3.4
13 RETAIN & PROTECT TREES. IF TREES NEED TO BE REMOVED NOTIFY THE ENGINEER PRIOR TO ANY REMOVAL WORK. DO NOT REMOVE TREES UNTIL RECEIVING ENGINEER APPROVAL.
14 REMOVE FRENCH DRAIN MANHOLE. BACKFILL USING ISPWC SECTION 204.
15 RETAIN & PROTECT EXISTING MANHOLE
16 PLUG UPSTREAM INVERT WITH CLASS 3000 CONCRETE PER ISPWC SECTION 703 & ABANDON UPSTREAM LINE IN PLACE
17 PLUG INVERT & ABANDON PIPE IN PLACE
18 REMOVE PAVEMENT
19 SAWCUT & REMOVE RIBBON CURB

BUILDING DESIGNATOR

B - TARGHEE COTTAGE (N)

LEGEND

-- CONCRETE BEING DEMOLISHED
-- STRUCTURES BEING DEMOLISHED
-- FOOTPRINT OF HARD SURFACE IMPROVEMENTS. CLEAR & GRUB AS NECESSARY
-- PAVEMENT REMOVAL - SAWCUT

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
17888
3/31/2023
STATE OF IDAHO

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
990 2ND STREET / P.O. BOX 2317 / IDAHO FALLS, IDAHO 83403-2317
OFFICE 208.522.8111 / FAX 208.522.8181 / WWW.NBWARCHITECTS.COM

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGE'S
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ALTERNATE NO.1 AREA 'C' DEMOLITION PLAN

REVISIONS

NBW PROJECT NO. 21023
DATE: DECEMBER 2022
DRAWN BY: JLP
CHECKED BY: RDB

DRAWING NO.:
C3.1

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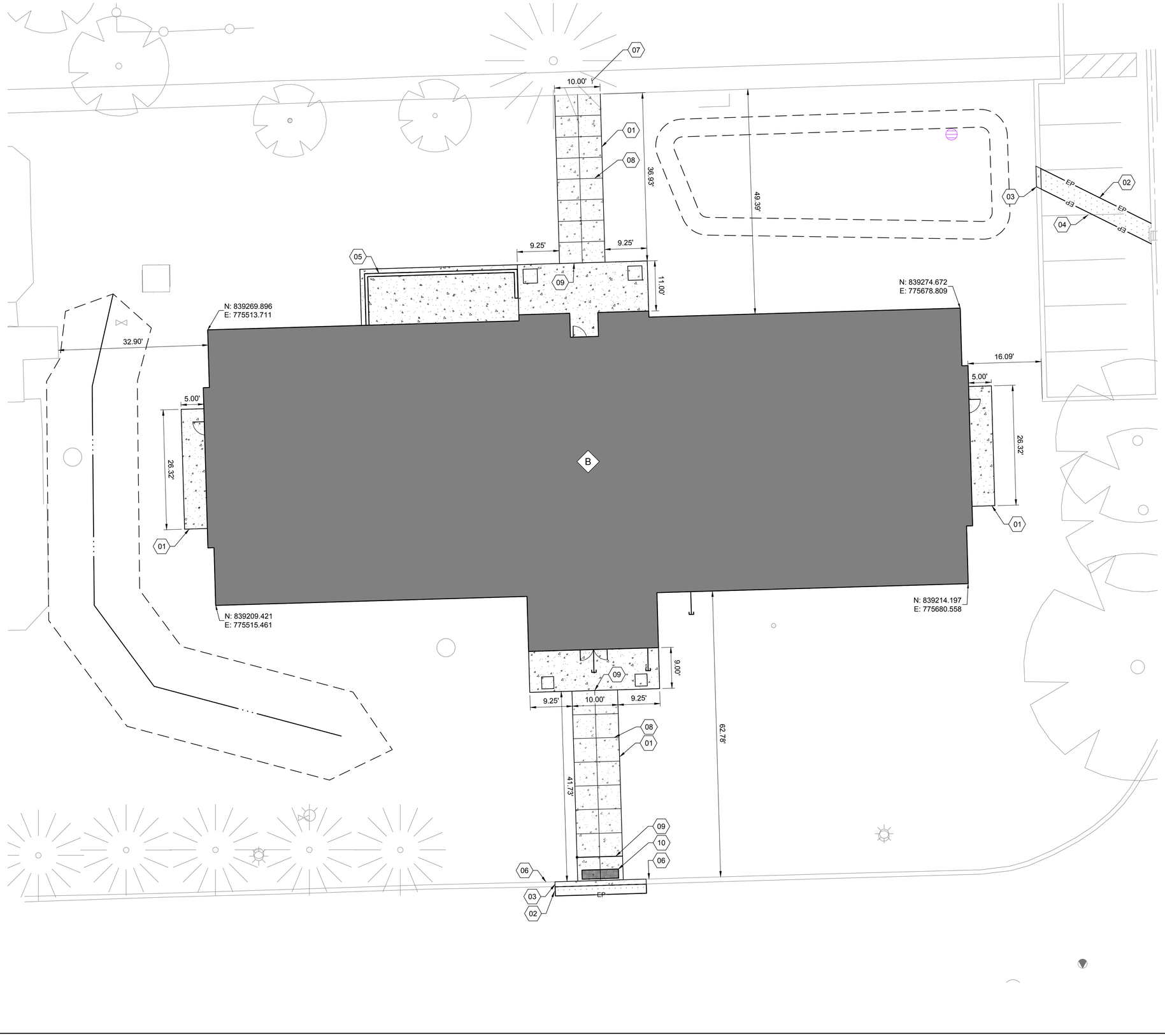

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GENERAL SHEET NOTES

1. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION. CONTRACTOR TO VERIFY EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS FOR MORE INFORMATION.
2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.
4. ALL DIMENSIONS ARE TO FACE OF CURB/ SLAB/ FOUNDATION WALL UNLESS NOTED OTHERWISE.
5. REFER TO A6.4 FOR CONCRETE CONTROL JOINT LAYOUT.
6. BUILDING CORNER COORDINATES REFERENCE EXTERIOR FACE OF FOUNDATION WALL. CONTRACTOR TO COORDINATE FINAL DIMENSIONS WITH ARCHITECTURAL PLANS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
7. REFER TO C6.0 LANDSCAPE PLAN FOR LANDSCAPE IMPROVEMENTS.

SHEET KEYNOTES

01	INSTALL SIDEWALK, SEE PLAN FOR DIMENSION; RE: C1401/C6.1
02	INSTALL ASPHALT PAVEMENT; RE: C1003/C6.1
03	INSTALL CONCRETE RIBBON CURB; RE: C1231/C6.1
04	INSTALL 4" WHITE STRIPE, TYPE - WATERBORNE PAINT, WHITE
05	INSTALL CMU WALL; RE: STRUCTURAL
06	RETAIN & PROTECT EXISTING CURB
07	RETAIN & PROTECT EXISTING SIDEWALK
08	PLACE SIDEWALK CONTROL JOINT; RE: C1431/C6.1
09	PLACE SIDEWALK EXPANSION JOINT; RE: C1433/C6.1
10	INSTALL DETECTABLE WARNING FOR PEDESTRIAN ACCESS; RE: C1500/C6.1

BUILDING DESIGNATOR

B - TARGHEE COTTAGE (N)

PROFESSIONAL ENGINEER
LICENSED
17888
3/31/2023
STATE OF IDAHO
RILEY D. BRADSHAW

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
994 2ND STREET / P.O. BOX 2317 / IDAHO FALLS, IDAHO 83403-2317
OFFICE 208.522.8111 FAX 208.522.8181 WWW.NBWARCHITECTS.COM

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGE'S
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
ALTERNATE NO.1 AREA 'C' HORIZONTAL CONTROL PLAN

REVISIONS

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JLP
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RDB

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C3.2

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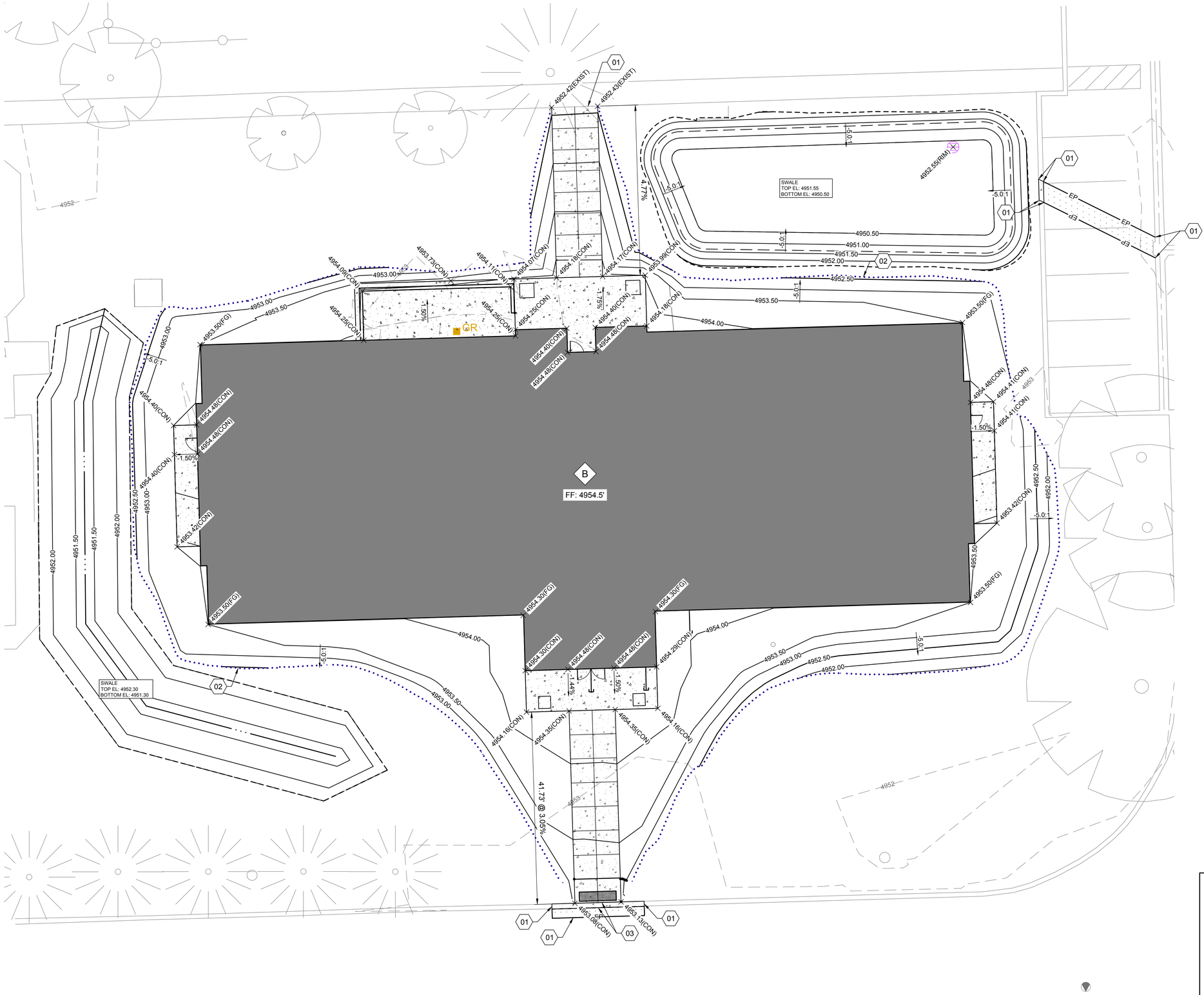

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SHEET KEYNOTES

01 MATCH EXISTING ELEVATION

02 DAYLIGHT FILL LINE

03 CONSTRUCT CURB SUCH THAT THERE IS NO MORE THAN 1/4" HEIGHT DIFFERENCE IN TRANSITION BETWEEN SURFACES.

ABBREVIATIONS

AC	- TOP OF ASPHALT
CON	- TOP OF CONCRETE
EX	- EXISTING
FF	- FINISH FLOOR
FL	- FLOW LINE
FG	- FINISH GRADE
G.B.	- GRADE BREAK
LIP	- LIP OF CURB
RIM	- RIM ELEVATION
ST	- CONCRETE STOOP
TBC	- TOP BACK OF CURB

BUILDING DESIGNATOR

B - TARGHEE COTTAGE (N)

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
17888
STATE OF IDAHO
3/31/2023

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
944 2ND STREET / PO BOX 2317 / IDAHO FALLS, IDAHO 83403-2317
OFFICE 208.522.8111 FAX 208.522.8181 WWW.NBWARCHITECTS.COM

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGE'S
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
ALTERNATE NO.1 AREA 'C' GRADING PLAN

REVISIONS

NBW PROJECT NO.
21023
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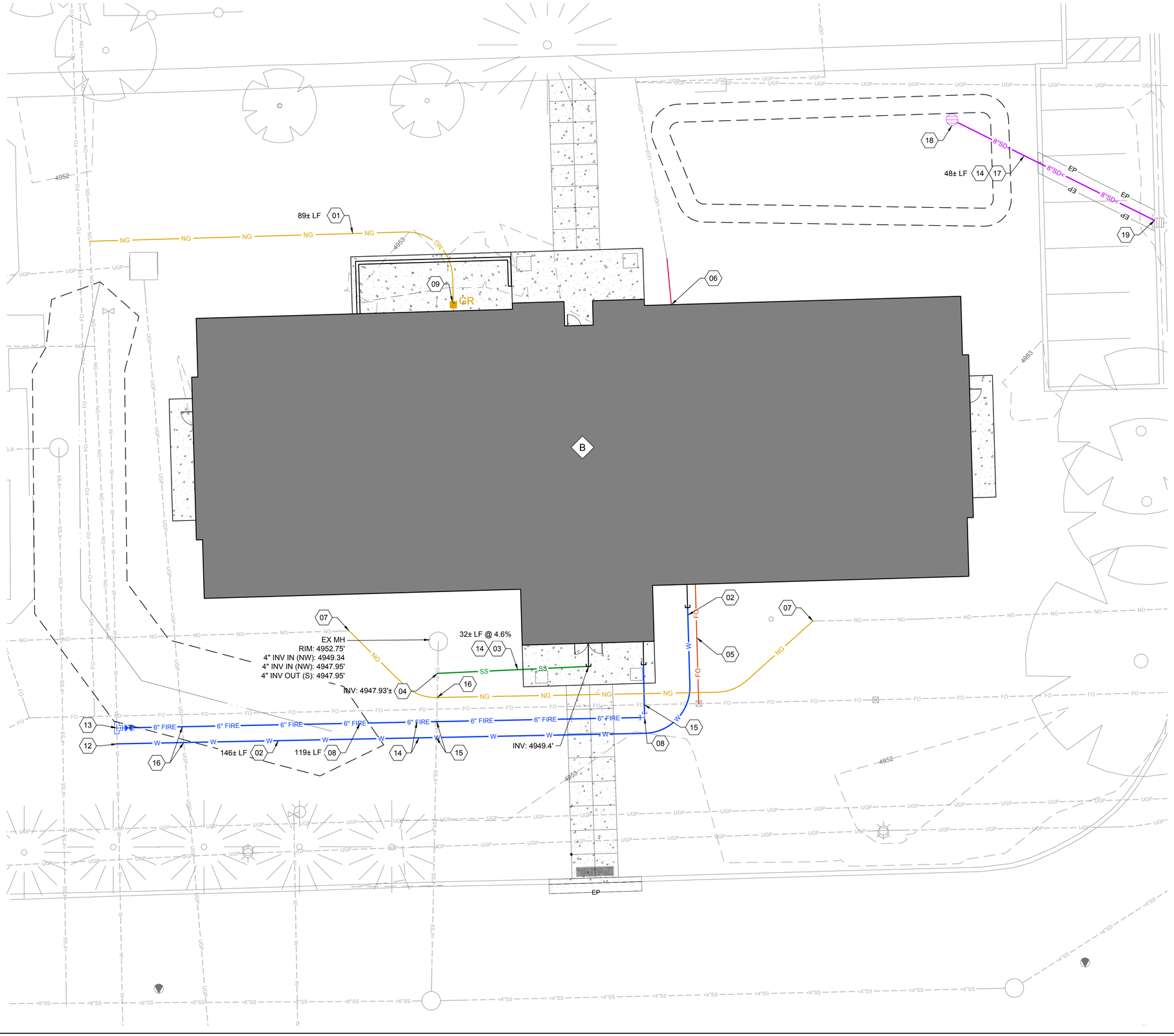

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GENERAL SHEET NOTES

1. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION. CONTRACTOR TO FIELD VERIFY IN A NON-DESTRUCTIVE MANNER THE SIZE AND LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO ENGINEER.
2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.
4. MAINTAIN A MINIMUM 66" COVER ON 6" FIRE DEPARTMENT MAIN LINE.
5. ALL NATURAL GAS PIPING, CONNECTIONS, AND RISERS SHALL BE INSTALLED TO THE REQUIREMENTS OF THE INTERNATIONAL GAS CODE AND ANY STATE OR LOCAL CODES.
6. REFER TO C6.0 LANDSCAPE PLAN FOR LANDSCAPE IRRIGATION IMPROVEMENTS.

SHEET KEYNOTES

01 INSTALL PIPE - 1.25" PE2406 NATURAL GAS SERVICE LINE

02 INSTALL PIPE - 2" PE4710 POLY WATER SERVICE; RE: ISPWC SD-402

03 INSTALL PIPE - 4" SEWER SERVICE; RE: ISPWC SD-511

04 CONNECT TO EXISTING 4" SANITARY SEWER, FITTINGS AS REQUIRED; RE: ISPWC SD-511

05 INSTALL FIBER SERVICE, RE: ELETRICAL

06 RECONNECT TO EXISTING POWER SERVICE; RE: ELECTRICAL

07 REROUTE GAS SERVICE

08 INSTALL PIPE - 6" CLASS 50 DI FIRE LINE

09 INSTALL PRESSURE REGULATOR; RE: PLUMBING FOR SIZING.

10 NOT USED

12 CONNECT TO EXISTING UTILITY MAIN, FITTINGS AS REQUIRED

13 INSTALL FITTING - 10" TAPPING SADDLE & GATE VALVE

14 TYPICAL TRENCH SECTION; RE: ISPWC SD-301

15 POTABLE/NON-POTABLE WATERLINE CROSSING, RE: ISPWC SD-407

16 RETAIN & PROTECT EXISTING UTILITIES

17 INSTALL PIPE - 8" PVC STORM DRAIN

18 INSTALL PRECAST SHALLOW MANHOLE WITH SLOTTED COVER AND DEPTH SUFFICIENT TO ACHIEVE DRAINAGE FROM UPSTREAM CATCH BASIN; RE: ISPWC SD-615

19 CORE EXISTING CATCH BASIN, CONNECT STORM PIPE WITH KOR-N-SEAL

BUILDING DESIGNATOR

B - TARGHEE COTTAGE (N)

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
17888
STATE OF IDAHO
3/31/2023

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
990 2ND STREET SUITE 201 / P.O. BOX 2327 / IDAHO FALLS, IDAHO 83403-2327
OFFICE 208.522.5111 / FAX 208.522.5181 / WEB www.nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGE'S

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ALTERNATE NO.1 AREA 'C' UTILITY PLAN

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
JLP
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RDB

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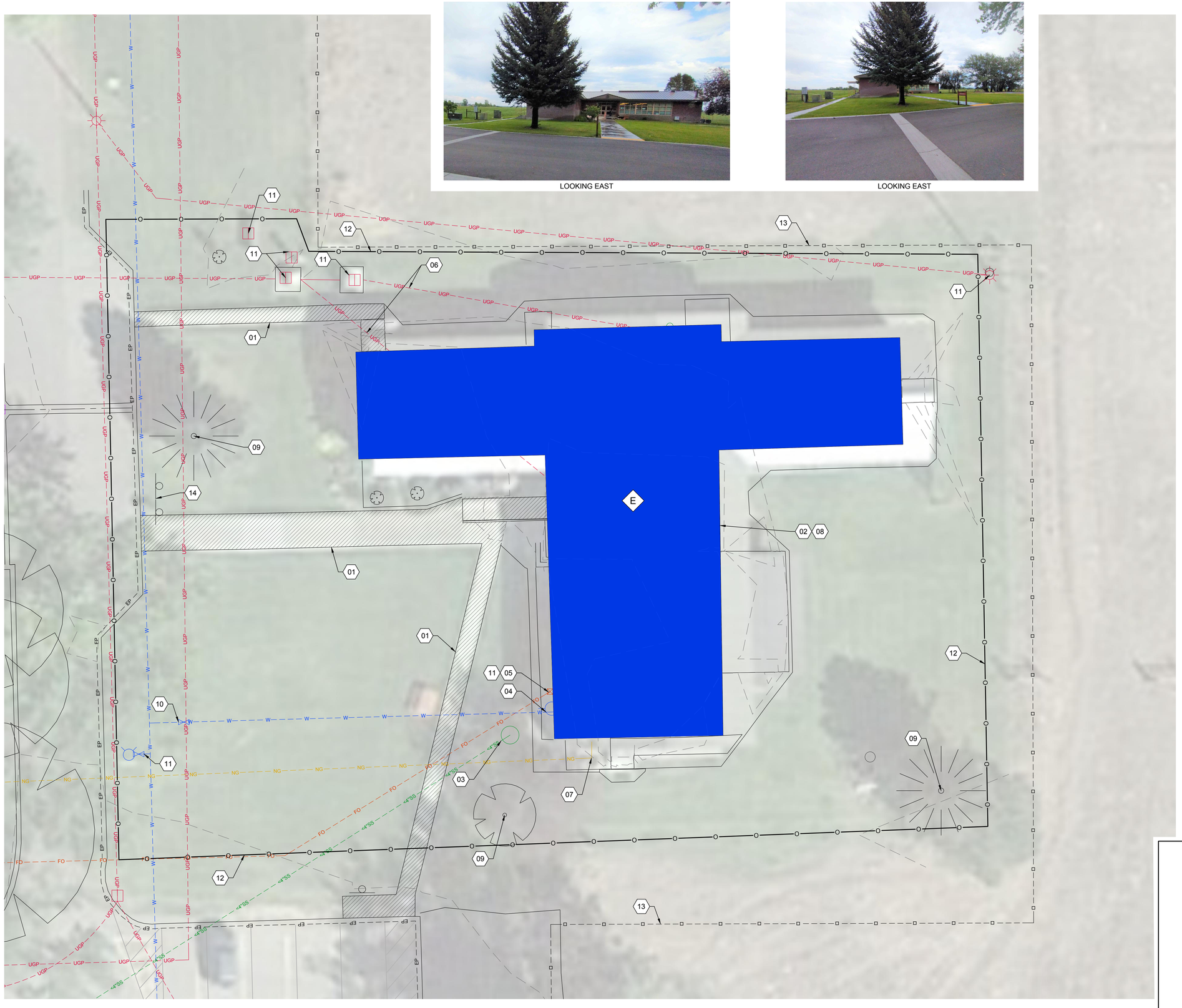

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GENERAL SHEET NOTES

1. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION, CONTRACTOR TO VERIFY EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS FOR MORE INFORMATION.
2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.
4. RELEVANT CODES AND SPECIFICATIONS: 2020 EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC) AND 2018 INTERNATIONAL BUILDING CODE.
6. NO DEMOLITION WORK SHALL BEGIN ON ANY STRUCTURE UNTIL ASBESTOS AND LEAD TESTING, DOCUMENTATION AND REMEDIATION (IF NECESSARY) PROCCESSES ARE COMPLETE. SUBMIT PROOF OF COMPLETION OF THESE ITEMS TO THE ENGINEER PRIOR TO BEGINNING ANY DEMOLITION WORK. SEE SHEET C.02 - CIVIL GENERAL NOTES FOR MORE INFORMATION.

SHEET KEYNOTES

01 REMOVE EXISTING SIDEWALK

02 DEMOLISH STRUCTURE, INCLUDING FOUNDATION. REMOVE & DISPOSE OF DEBRIS

03 PLUG & ABANDON UPSTREAM SEWER LINE. RETAIN & PROTECT EXISTING MANHOLE

04 CLOSE VALVE & ABANDON WATERLINE IN PLACE

05 DISCONNECT FIBER SERVICE

06 DISCONNECT ELECTRICAL SERVICE

07 DISCONNECT & CAP GAS SERVICE

08 AFTER DEMOLITION, PLACE & COMPACT CLEAN FILL AS NECESSARY TO BRING TO SURROUNDING GRADE, FINISH WITH 2" OF TOPSOIL. INSTALL SPRINKLER SYSTEM & SOD.

09 RETAIN & PROTECT TREES. IF TREES NEED TO BE REMOVED NOTIFY THE ENGINEER PRIOR TO ANY REMOVAL WORK. DO NOT REMOVE TREES UNTIL RECEIVING ENGINEER APPROVAL.

10 CLOSE VALVE & CAP LINE

11 RETAIN & PROTECT EXISTING UTILITIES

12 INSTALL TEMPORARY 6 FT TALL CHAINLINK CONSTRUCTION FENCE WITH LOCKABLE GATE. LOCATION SHOWN IS APPROXIMATE.

13 INSTALLATION OF NEW ORNAMENTAL STEEL FENCE BY OTHERS. CONTRACTOR TO ACCOMMODATE FENCING CONTRACTOR & RETAIN & PROTECT NEW FENCE.

14 REMOVE & DISPOSED OF SIGN

BUILDING DESIGNATOR

E - BITTERROOT COTTAGE (DEMOLISH)

LEGEND

-- CONCRETE BEING DEMOLISHED

-- STRUCTURES BEING DEMOLISHED

PROFESSIONAL ENGINEER — LICENSED — RILEY D. BRADSHAW — 17888 — STATE OF IDAHO — 3/31/2023

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
936 2ND STREET / P.O. BOX 2317 / IDAHO FALLS, IDAHO 83403-2317
OFFICE 208.522.8110 FAX 208.522.8115 nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGE'S

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ALTERNATE NO.2 AREA 'D' DEMOLITION PLAN

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
JLP
CHECKED BY:
RDB

DRAWING NO.:

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GENERAL SHEET NOTES

1. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION. CONTRACTOR TO VERIFY EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS FOR MORE INFORMATION.
2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.

PROFESSIONAL ENGINEER
LICENSED
17888
3/31/2023
STATE OF IDAHO
RILEY D. BRADSHAW

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
990 2ND STREET / P.O. BOX 2317 / IDAHO FALLS, IDAHO 83403-2317
OFFICE 208.522.8111 / FAX 208.522.8181 / WEB nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGE'S

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ALTERNATE NO.2 AREA 'E' EXISTING CONDITIONS & PROJECT CONTROL

REVISIONS

NBW PROJECT NO.
21023
DATE:
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DRAWN BY:
JLP
CHECKED BY:
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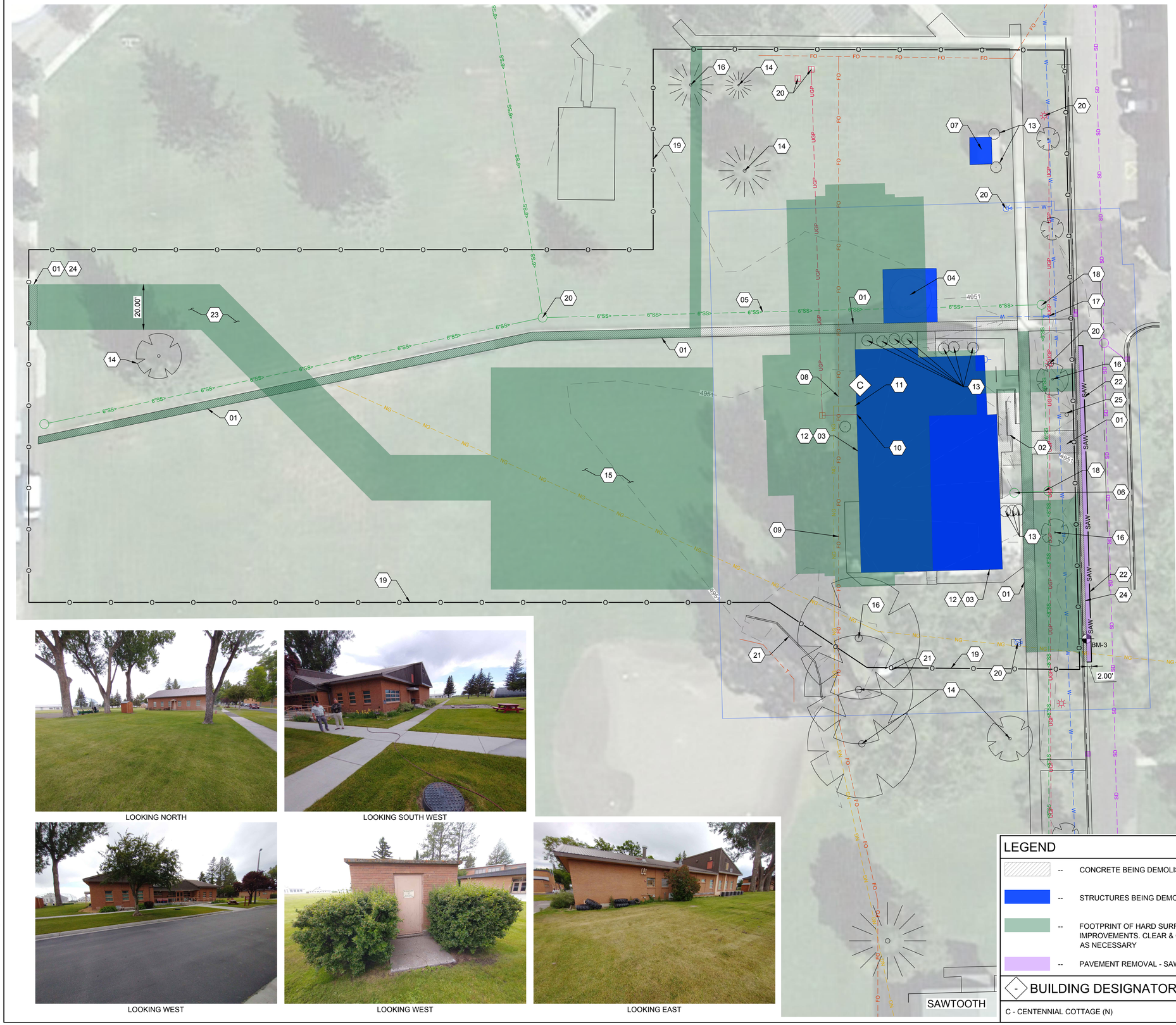

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LOOKING WEST

LOOKING EAST

GENERAL SHEET NOTES

1. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION. CONTRACTOR TO VERIFY EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS FOR MORE INFORMATION.
2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.
4. RELEVANT CODES AND SPECIFICATIONS: 2020 EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC) AND 2018 INTERNATIONAL BUILDING CODE
5. REMOVE SOD AS NECESSARY TO ACCOMMODATE CONSTRUCTION; RE: C5.3
6. NO DEMOLITION WORK SHALL BEGIN ON ANY STRUCTURE UNTIL ASBESTOS AND LEAD TESTING, DOCUMENTATION AND REMEDIATION (IF NECESSARY) PROCCESSES ARE COMPLETE. SUBMIT PROOF OF COMPLETION OF THESE ITEMS TO THE ENGINEER PRIOR TO BEGINNING ANY DEMOLITION WORK. SEE SHEET C.02 - CIVIL GENERAL NOTES FOR MORE INFORMATION.
7. BEFORE FINAL COMPLETION, REMOVE ALL TEMPORARY ACCESS ROADS AND STORAGE PADS, REPAIR SPRINKLERS, AND REPLACE TOP SOIL AND SOD TO RESTORE AREA TO EQUAL OR BETTER CONDITION.
8. ACCESS ROAD AND GRAVEL STORAGE PAD DIMENSIONS AND LOCATIONS ARE APPROXIMATE. CONTRACTOR MAY PROPOSE ALTERNATE CONCEPT FOR ARCHITECT/ENGINEER APPROVAL.

SHEET KEYNOTES

01 REMOVE EXISTING SIDEWALK
02 DEMOLISH RAMP, REMOVE & DISPOSE OF DEBRIS
03 DEMOLISH STRUCTURE, INCLUDING FOUNDATION. REMOVE & DISPOSE OF DEBRIS
04 DEMOLISH FIRE PIT. REMOVE & DISPOSE OF DEBRIS
05 ABANDON SEWER LINE; RE: C5.6
06 ABANDON MANHOLE; RE: C5.6
07 DEMOLISH BIO WASTE BUILDING. REMOVE & DISPOSE OF DEBRIS
08 DISCONNECT FIBER SERVICE; RE: C5.6
09 REROUTE FIBER LINE; RE: C5.6
10 DISCONNECT ELECTRICAL SERVICE & REROUTE; RE: C5.6
11 DISCONNECT GAS SERVICE; RE: C5.6
12 REPAIR LANDSCAPE & IRRIGATION IN ALL DISTURBED AREA'S
13 REMOVE SHRUBS
14 RETAIN & PROTECT TREES. IF TREES NEED TO BE REMOVED NOTIFY THE ENGINEER PRIOR TO ANY REMOVAL WORK. DO NOT REMOVE TREES UNTIL RECEIVING ENGINEER APPROVAL.
15 INSTALL TEMPORARY GRAVEL STORAGE PAD FOR CONTRACTORS USE
16 REMOVE TREE, INCLUDING STUMP
17 CLOSE WATER VALVE DURING CONSTRUCTION RETAIN & PROTECT WATERLINE
18 PLUG UPSTREAM INVERT WITH CLASS 3000 CONCRETE PER ISPWC SECTION 703 AND ABANDON UPSTREAM LINE IN PLACE.
19 INSTALL TEMPORARY 6 FT TALL CHAINLINK CONSTRUCTION FENCE WITH LOCKABLE GATE. LOCATION SHOWN IS APPROXIMATE.
20 RETAIN & PROTECT EXISTING UTILITY
21 RETAIN & PROTECT EXISTING BASEBALL BACKSTOP & EQUIPMENT STORAGE SHED.
22 REMOVE PAVEMENT. CONTRACTOR TO DETERMINE EXTENTS OF SAW CUT
23 TEMPORARY GRAVEL ACCESS ROAD FOR CONTRACTOR'S USE; RE: G3.1 AND B5/C6.2
24 SAWCUT & REMOVE CURB & GUTTER
25 REMOVE & DISPOSE OF COTTAGE SIGN

LEGEND

-- CONCRETE BEING DEMOLISHED
-- STRUCTURES BEING DEMOLISHED
-- FOOTPRINT OF HARD SURFACE IMPROVEMENTS. CLEAR & GRUB AS NECESSARY
-- PAVEMENT REMOVAL - SAWCUT

- BUILDING DESIGNATOR

C - CENTENNIAL COTTAGE (N)

PROFESSIONAL ENGINEER LICENSED 17888 3/31/2023 STATE OF IDAHO RILEY D. BRADSHAW

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
944 2ND STREET WEST / P.O. BOX 2317 / TWIN FALLS, IDAHO 83303-2317
OFFICE 208.733.0717 / FAX 208.733.0718 / WWW.NBWARCHITECTS.COM

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGE'S

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ALTERNATE NO.2 AREA 'E' DEMOLITION PLAN

REVISIONS

NBW PROJECT NO. 21023
DATE: DECEMBER 2022
DRAWN BY: JLP
CHECKED BY: RDB

DRAWING NO.: C5.1

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GENERAL SHEET NOTES

1. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION, CONTRACTOR TO VERIFY EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS FOR MORE INFORMATION.
2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.
4. RELEVANT CODES AND SPECIFICATIONS: 2020 EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC) AND 2018 INTERNATIONAL BUILDING CODE
5. REMOVE SOD AS NECESSARY TO ACCOMMODATE CONSTRUCTION; RE: C5.3
7. BEFORE FINAL COMPLETION, REMOVE ALL TEMPORARY ACCESS ROADS AND STORAGE PADS, REPAIR SPRINKLERS, AND REPLACE TOP SOIL AND SOD TO RESTORE AREA TO EQUAL OR BETTER CONDITION.
8. ACCESS ROAD AND GRAVEL STORAGE PAD DIMENSIONS AND LOCATIONS ARE APPROXIMATE. CONTRACTOR MAY PROPOSE ALTERNATE CONCEPT FOR ARCHITECT/ENGINEER APPROVAL.

SHEET KEYNOTES

01 INSTALL TEMPORARY GRAVEL STORAGE PAD FOR CONTRACTORS USE; RE: B5/C6.2

02 RETAIN & PROTECT EXISTING MANHOLE

03 TEMPORARY 6 FT TALL CHAINLINK CONSTRUCTION FENCE WITH LOCKABLE GATE. LOCATION SHOWN IS APPROXIMATE.

04 TEMPORARY GRAVEL ACCESS ROAD FOR CONTRACTOR'S USE; RE: G3.1 & B5/C6.2

BUILDING DESIGNATOR

C - CENTENNIAL COTTAGE (N)

LEGEND

-- STAGING AREA

-- STRUCTURES BEING DEMOLISHED

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
17888
STATE OF IDAHO
3/31/2023

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE/PLANNING/INTERIORS
990 20th STREET/SUITE A-2 • BOISE/IDAHO • 83702
OFFICE 208.331.8181 • FAX 208.331.8182 • nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGE'S

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ALTERNATE NO.2 AREA 'E' STORAGE AREA

REVISIONS

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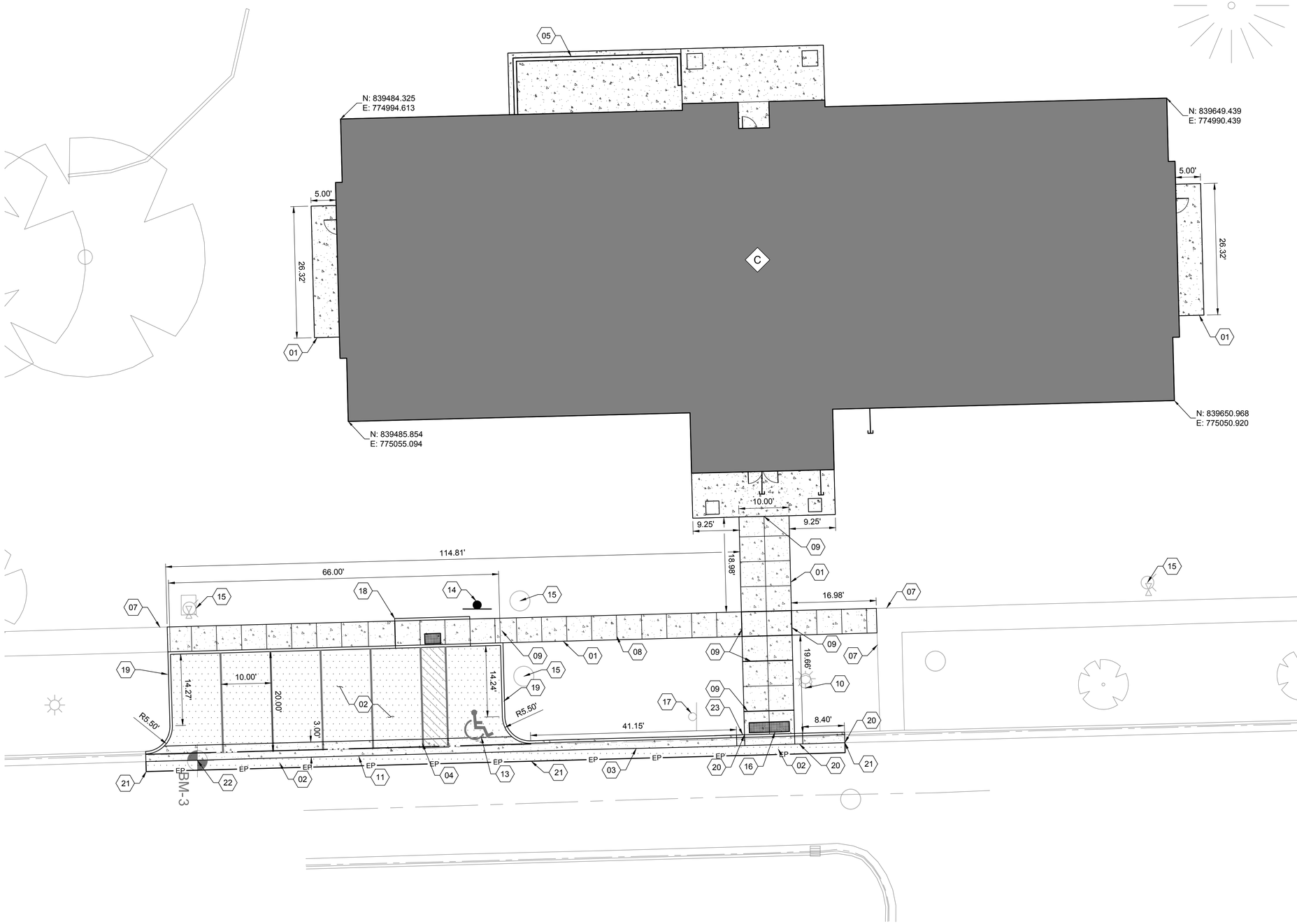

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GENERAL SHEET NOTES

1. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION. CONTRACTOR TO VERIFY EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS FOR MORE INFORMATION.
2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.
4. ALL DIMENSIONS ARE TO FACE OF CURB/ SLAB/ FOUNDATION WALL UNLESS NOTED OTHERWISE.
5. REFER TO A6.4 FOR CONCRETE CONTROL JOINT LAYOUT.
6. BUILDING CORNER COORDINATES REFERENCE EXTERIOR FACE OF FOUNDATION WALL. CONTRACTOR TO COORDINATE FINAL DIMENSIONS WITH ARCHITECTURAL PLANS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
7. REFER TO C6.0 LANDSCAPE PLAN FOR LANDSCAPE IMPROVEMENTS.

SHEET KEYNOTES

01	INSTALL SIDEWALK, SEE PLAN FOR DIMENSION; RE: C1401/C6.1
02	INSTALL ASPHALT PAVEMENT; RE: C1003/C6.1
03	INSTALL 6" VERTICAL CURB & GUTTER; RE: C1201/C6.1
04	INSTALL 4" WHITE STRIPE, TYPE - WATERBORNE PAINT, WHITE
05	INSTALL CMU WALL; RE: STRUCTURAL
06	RETAIN & PROTECT EXISTING CURB
07	RETAIN & PROTECT EXISTING SIDEWALK
08	PLACE SIDEWALK CONTROL JOINT; RE: C1431/C6.1
09	PLACE SIDEWALK EXPANSION JOINT; RE: C1433/C6.1
10	RETAIN & PROTECT EXISTING LIGHT POLE
11	INSTALL 3' VALLEY GUTTER; RE: C1251/C6.1
12	RETAIN & PROTECT EXISTING TREE
13	INSTALL HANDICAP SYMBOL; RE: C8101/C6.1
14	INSTALL HANDICAP SIGN; RE: C8011/C6.1
15	RETAIN & PROTECT EXISTING UTILITIES
16	INSTALL DETECTABLE WARNING FOR PEDESTRIAN ACCESS; RE: C1500/C6.1
17	RETAIN & PROTECT EXISTING SIGN
18	INSTALL PEDESTRIAN RAMP; RE: C1/C6.2
19	NOT USED
20	INSTALL CURB CUT; RE: C4/C6.2
21	MATCH EXISTING ASPHALT
22	RESET EXISTING BENCHMARK
23	INSTALL - PAINT CURB 5-FT TO EITHER SIDE OF CURB RAMP, TYPE - WATERBORNE PAINT, RED

BUILDING DESIGNATOR

C - CENTENNIAL COTTAGE (N)

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
17888
STATE OF IDAHO
3/31/2023

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
990 2ND STREET / P.O. BOX 2327 / IDAHO FALLS, IDAHO 83403-2327
OFFICE 208.522.8111 FAX 208.522.8181 WWW.NBWARCHITECTS.COM

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGE'S

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ALTERNATE NO.2 AREA 'E' HORIZONTAL CONTROL PLAN

REVISIONS

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GENERAL SHEET NOTES

1. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION, CONTRACTOR TO VERIFY EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS FOR MORE INFORMATION.
2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.
4. CURB AND SIDEWALK REPAIR TO EXTENTS MATCHING DEMOLITION; MATCH PRECONSTRUCTION ELEVATIONS.

SHEET KEYNOTES

01 INSTALL SIDEWALK, SEE PLAN FOR DIMENSION. GRADE TO FOLLOW EXISTING GROUND SURFACE; RE: C1401/C6.1

02 RETAIN & PROTECT EXISTING UTILITIES

03 RETAIN & PROTECT EXISTING SIDEWALK

04 PLACE SIDEWALK CONTROL JOINT; RE: C1431/C6.1

05 PLACE SIDEWALK EXPANSION JOINT; RE: C1433/C6.1

06 INSTALL 6" VERTICAL CURB & GUTTER; RE: C1201/C6.1

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
17888
3/31/2023
STATE OF IDAHO

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
990 2ND STREET, SUITE 201 / IDAHO FALLS, IDAHO 83402-2212
OFFICE 208.522.8110 / FAX 208.522.8115 / WWW.NBWARCHITECTS.COM

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGE'S

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ALTERNATE NO.2 AREA 'E' HORIZONTAL CONTROL PLAN

REVISIONS

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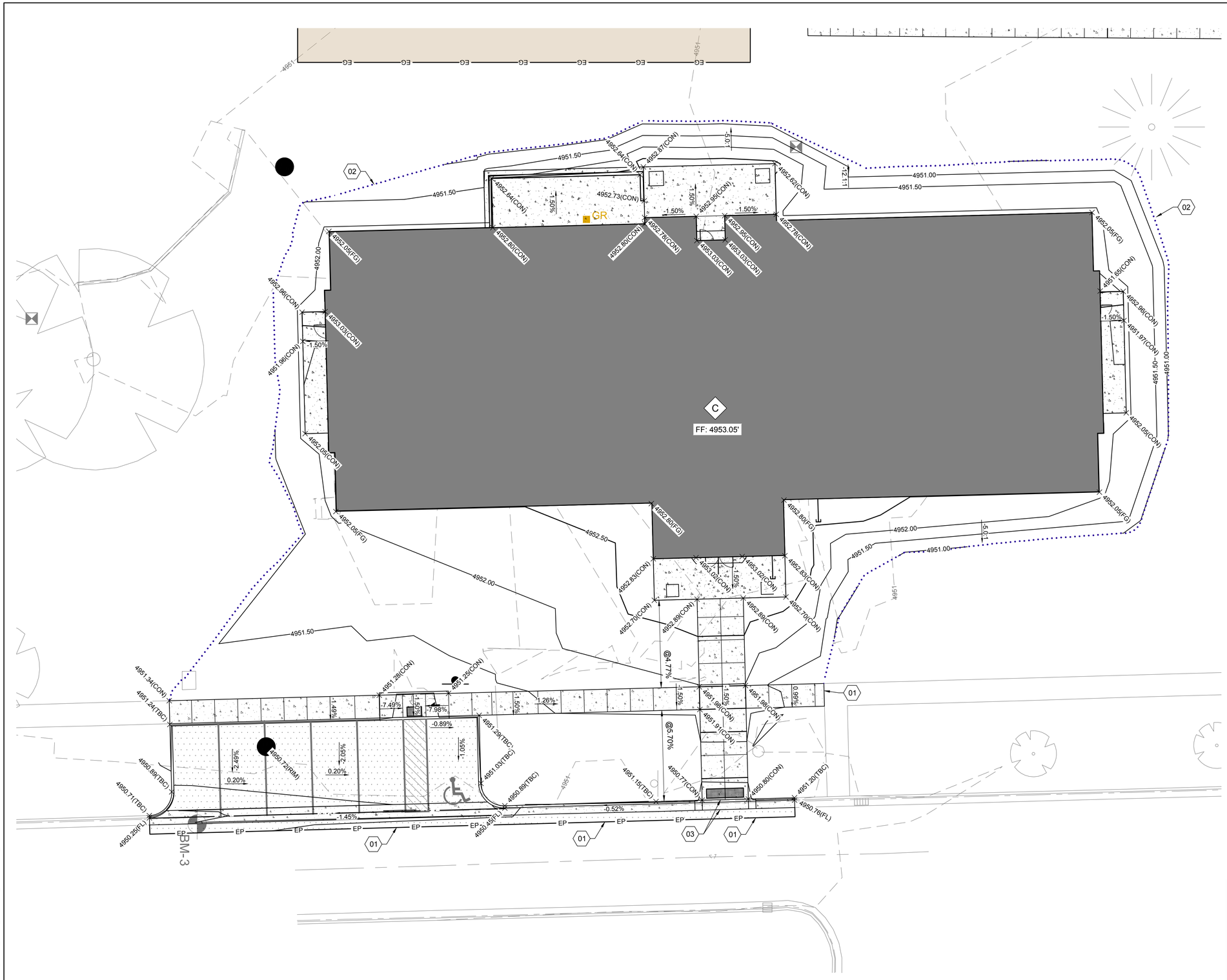

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SHEET KEYNOTES

01 MATCH EXISTING ELEVATION

02 DAYLIGHT FILL LINE

03 CONSTRUCT CURB SUCH THAT THERE IS NO MORE THAN 1/4" HEIGHT DIFFERENCE IN TRANSITION BETWEEN SURFACES.

ABBREVIATIONS

AC	- TOP OF ASPHALT
CON	- TOP OF CONCRETE
EX	- EXISTING
FF	- FINISH FLOOR
FL	- FLOW LINE
FG	- FINISH GRADE
G.B.	- GRADE BREAK
LIP	- LIP OF CURB
RIM	- RIM ELEVATION
ST	- CONCRETE STOOP
TBC	- TOP BACK OF CURB

BUILDING DESIGNATOR

C - CENTENNIAL COTTAGE (N)

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
7888
3/31/2023
STATE OF IDAHO

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
990 20th ST. SUITE 210 / P.O. BOX 2127 / IDAHO FALLS, IDAHO 83403-2127
OFFICE 208.522.8111 / FAX 208.522.8181 / WEB nbwarchitects.com

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGE'S
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
ALTERNATE NO.2 AREA 'E' GRADING PLAN

REVISIONS

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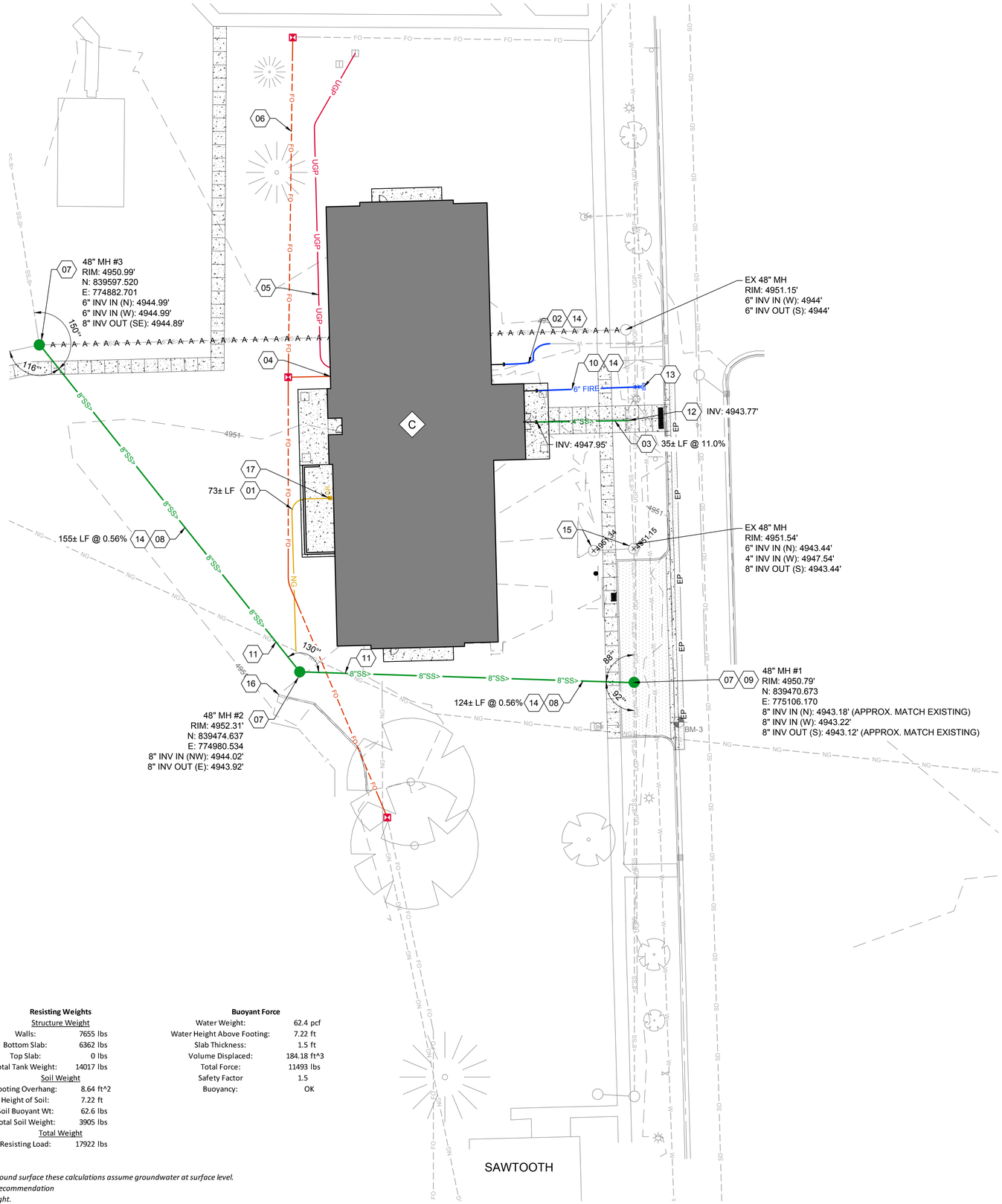

Buoyancy for Precast Manhole

Inputs:	
Well Outer Diameter	5 ft
Well Inner Diameter:	4 ft
Height Above Base:	7.22 ft
Circular Base Diameter:	6 ft
Base Slab Thickness:	1.5 ft
Cover Slab Thickness:	0 ft
Soil Height Above Footing:	7.22 ft
Water Height Above Footing:	7.22 ft
Concrete Weight:	150 pcf
Soil Weight:	125 pcf
Soil Buoyant Weight:	62.6 pcf
Water Weight:	62.4 pcf
Safety Factor:	1.5

Resisting Weights	
Structure Weight	
Walls:	7655 lbs
Bottom Slab:	6362 lbs
Top Slab:	0 lbs
Total Tank Weight:	14017 lbs
Soil Weight	
Footing Overhang:	8.64 ft^2
Height of Soil:	7.22 ft
Soil Buoyant Wt:	62.6 lbs
Total Soil Weight:	3905 lbs
Total Weight	
Resisting Load:	17922 lbs

Buoyant Force	
Water Weight:	62.4 pcf
Water Height Above Footing:	7.22 ft
Slab Thickness:	1.5 ft
Volume Displaced:	184.18 ft^3
Total Force:	11493 lbs
Safety Factor	1.5
Buoyancy:	OK

Notes:
1) Groundwater observed at 2-3 ft B.G.S. Given the proximity to ground surface these calculations assume groundwater at surface level.
2) Assumed 125 pcf soil weight based on Geotechnical Engineer's recommendation
3) Soil buoyant weight calculated as Soil Weight minus Water Weight.

0 20 40

GENERAL SHEET NOTES

1. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION, CONTRACTOR TO FIELD VERIFY IN A NON-DESTRUCTIVE MANNER THE SIZE AND LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO ENGINEER.
2. FURNISH MATERIALS WHERE "INSTALL", "PLACE" OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
3. AREAS DISTURBED BY CONSTRUCTION WHERE SURFACE REPAIR IS NOT INDICATED SHALL BE RESTORED TO CONDITIONS FOUND PRIOR TO CONSTRUCTION. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.
4. MAINTAIN A MINIMUM 66" COVER ON 6" FIRE DEPARTMENT MAIN LINE.
5. ALL NATURAL GAS PIPING, CONNECTIONS, AND RISERS SHALL BE INSTALLED TO THE REQUIREMENTS OF THE INTERNATIONAL GAS CODE AND ANY STATE OR LOCAL CODES.
6. REFER TO C6.0 LANDSCAPE PLAN FOR LANDSCAPE IRRIGATION IMPROVEMENTS.

SHEET KEYNOTES

01 INSTALL PIPE - 1.25" PE2406 NATURAL GAS SERVICE LINE

02 INSTALL PIPE - 2" PE4710 POLY WATER SERVICE; RE: ISPWC SD-402

03 INSTALL PIPE - 4" SEWER SERVICE; RE: ISPWC SD-511

04 INSTALL FIBER SERVICE; RE: ELECTRICAL

05 RECONNECT TO EXISTING POWER SERVICE; RE: ELECTRICAL

06 REROUTE FIBER LINE; RE: ELECTRICAL

07 INSTALL 48" MANHOLE. LID TO BE APPROXIMATELY 6" ABOVE FINISHED GRADE IN LANDSCAPED AREAS; FLUSH WITH FINISH GRADE IN HARD SURFACES. CONCRETE BASE TO BE 6 FT MIN DIAMETER TO RESIST BUOYANCY (SEE CALCULATIONS THIS SHEET); RE: ISPWC SD-501

08 INSTALL PIPE - 6" SEWER

09 RECONNECT TO EXISTING SEWER; RE: ISPWC SD-511

10 INSTALL PIPE - 6" CLASS 50 DI FIRE LINE

11 REROUTE GAS AROUND PROPOSED MANHOLE

12 CONNECT TO EXISTING UTILITY, FITTINGS AS REQUIRED

13 INSTALL FITTING - 10" TAPPING SADDLE & GATE VALVE

14 TYPICAL TRENCH SECTION; RE: ISPWC SD-301

15 RETAIN & PROTECT UTILITIES

16 RETAIN & PROTECT EXISTING CONCRETE RETAINING WALL

17 INSTALL PRESSURE REGULATOR; RE: PLUMBING FOR SIZING.

BUILDING DESIGNATOR

C - CENTENNIAL COTTAGE (N)

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
17888
STATE OF IDAHO
3/31/2023

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
510 2ND STREET HAILEY / P.O. BOX 2127 / SUITE 210 / SUN VALLEY, IDAHO 83353-2127
(O) 208.928.0111 (F) 208.928.0121 (E) nbw@nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGE'S

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

ALTERNATE NO.2 AREA 'E' UTILITY PLAN

SHEET TITLE:

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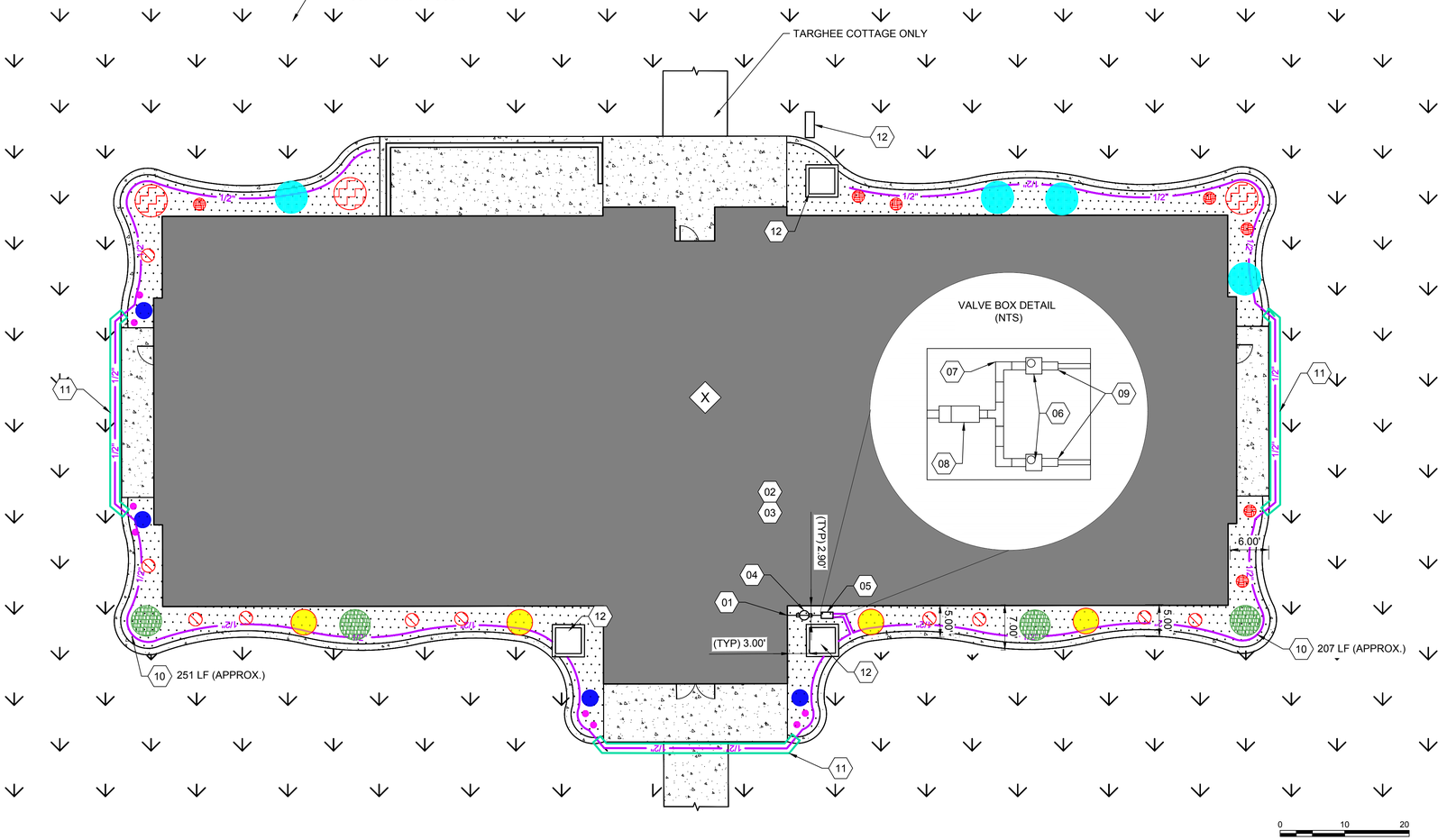
TURFGRASS REPLACEMENT VARIES BY EXTENT OF SOD REMOVED/DAMAGED AT EACH BUILDING. CLEARING AND GRUBBING EXTENTS (AND CORRESPONDING REPAIR EXTENTS) HAVE BEEN LEFT TO CONTRACTOR'S DISCRETION AND AT CONTRACTOR'S COST.



BUILDING DESIGNATOR

X - BITTERROOT, TARGHEE, CENTENNIAL (N)

GENERAL SHEET NOTES

1. FURNISH MATERIALS WHERE "INSTALL", "PLACE", OR "CONSTRUCT" IS REQUIRED UNLESS NOTED OTHERWISE.
2. CONTRACTOR TO COORDINATE COMPATIBLE THREADS AND/OR CONNECTIONS BETWEEN ALL IRRIGATION PIPING, FITTINGS, VALVES, AND ACCESSORIES.
3. APPLY PRE-EMERGENT HERBICIDE TO SOIL PER MANUFACTURER'S DIRECTIONS IN ALL ROCK MULCH AREAS PRIOR TO INSTALLATION OF WEED BARRIER FABRIC. BARRICADE OR EQUAL.
4. CONTRACTOR SHALL INSTALL WEED BARRIER FABRIC BELOW ALL ROCK MULCH AREAS; RE: SPECIFICATIONS.
5. AMEND ALL TREE AND SHRUB PITS WITH ENGINEER APPROVED SOIL ENHANCER TO MANUFACTURER'S DIRECTIONS. BIO-LOGIC OR EQUAL.
6. CONTRACTOR IS TO PLANT TREES SHOWN IN PLANTING LEGEND IN LOCATIONS DIRECTED BY THE OWNER. IN NO CASE SHALL TREES BE PLANTED OVER UTILITY LINES WITHOUT APPROVAL OF THE ENGINEER.
7. IRRIGATION SYSTEM FOR SOD TURFGRASS AREAS IS TO BE REBUILT BY THE CONTRACTOR TO PROVIDE ADEQUATE COVERAGE OF POST-CONSTRUCTION TURF AREAS. SUBMIT IRRIGATION PLAN FOR ENGINEER APPROVAL. SEE CIVIL GENERAL NOTES AND CONTRACT DOCUMENTS REGARDING IRRIGATION ALLOWANCE. WATER FOR THESE AREAS IS TO COME FROM CAMPUS PRESSURIZED IRRIGATION SYSTEM, NOT FROM BUILDING POTABLE WATER.
8. ENGINEER/OWNER/ARCHITECT RESERVE THE RIGHT TO REJECT ANY PLANT MATERIALS PRIOR TO FINAL COMPLETION THAT ARE DAMAGED, DISEASED, DEAD, OR OTHERWISE UNLIKELY TO THRIVE AFTER CONSTRUCTION.

SHEET KEYNOTES

01 INSTALL 1-INCH PE IRRIGATION TUBING FROM FIRE RISER ROOM; RE: PLUMBING

02 INSTALL IRRIGATION TIMER IN FIRE RISER ROOM. RUN CONDUIT FOR WIRING TO EXTERIOR IRRIGATION VALVE BOX.

03 INSTALL ISOLATION VALVE ON IRRIGATION LINE; RE: PLUMBING

04 INSTALL 1-INCH BACKFLOW PREVENTION ASSEMBLY CONSISTING OF GALVANIZED RISERS (EACH WITH UNION), ATMOSPHERIC PRESSURE VACUUM BREAKER (ZURN-WILKINS OR EQUIVALENT), AND 1/4-INCH THREADED FEMALE PORT W/ PLUG DOWNSTREAM OF PVB FOR SYSTEM BLOWOUT.

05 INSTALL 14X19 RECTANGULAR VALVE BOX AND LID; SEE DETAIL THIS SHEET

06 INSTALL 1-INCH SOLENOID VALVE AND WIRE TO IRRIGATION TIMER.

07 INSTALL 1-INCH PE IRRIGATION PIPING W/ BARBED FITTINGS.

08 INSTALL FILTER W/ REMOVABLE CARTRIDGE.

09 INSTALL 25-30 PSI PRESSURE REDUCER AND TRANSITION TO 0.5-INCH POLY DRIP TUBING.

10 INSTALL 0.5-INCH POLY DRIP TUBING BETWEEN WEED BARRIER AND ROCK MULCH. PROVIDE ENDS WITH REMOVABLE CAP. EXTEND 0.5 INCH LATERALS TO INDIVIDUAL PLANTS WITH PRESSURE COMPENSATING DRIPPERS PER PLANT LEGEND.

11 INSTALL 1.5-INCH SCH 40 PVC SLEEVE AROUND OR UNDER CONCRETE WALKWAY.

12 INSTALL PRECAST CONCRETE SPLASH BLOCKS AND DOWN SPOUT; RE: A8.1 AND E/A8.3. LOCATIONS SHOW ARE APPROXIMATE, POSITION AS NECESSARY TO BEST CATCH ROOF DRAINAGE.

PLANTING LEGEND:

SYMBOL	CODE	COMMON NAME	SCIENTIFIC NAME	SIZE	QTY	DRIPPER (GPH)	# OF DRIPPERS
SHRUBS AND PERRENIALS:							
	DLY	DAYLILY	HEMEROCALLIS	#2	9	1	1
	PS	PRAIRIE SMOKE	GEUM TRIFLORUM	#1	8	0.5	1
	GLD	GOLD DROP POTENTILLA	POTENTILLA FRUTICOSA	#5	4	1	1
	SPR	GARLAND SPIREA	SPIREA X CINEREA 'GREFSHEIM'	#5	4	1	2
	BOG	BLUE OAT GRASS	HELICTOTRICHON SEMPERVIRENS	#1	4	0.5	1
	RED	VARIEGATED RED TWIG DOGWOOD	CORNUS ALBA 'ELEGANTISSIMA'	#5	3	1	2
	BLD	GOLD HEART BLEEDING HEART	DICENTRA SPECTABILIS 'GOLD HEART'	#2	7	1	1
	HYD	BLUE ENCHANTRESS HYDRANGEA	HYDRANGEA MACROPHYLLA 'MONMAR'	#5	4	1	2
TREES:							
SEE GENERAL SHEET NOTE #6	MPL	BIG TOOTH MAPLE	ACER GRANDIDENTATUM NUTT.	2" CALIPER	1	-	-
	LLL	LITTLE LEAF LINDEN	TILIA CORDATA	2" CALIPER	1	-	-
	CBS	COLORADO BLUE SPRUCE	PICEA PUNGENS	5 FT TALL (MIN)	2	-	-
	CA	ROYAL RAINDROP CRABAPPLE	MALUS X 'ROYAL RAINDROP'	1.5" CALIPER	2	-	-

TURFGRASS LEGEND:							
	SOD	KENTUCKY BLUEGRASS	POA PRATENSIS	SOD STRIPS OR ROLLS	TO MATCH EXTENTS OF DISTURBED AREA	-	-

HARDSCAPE LEGEND:

SYMBOL	QTY	DESCRIPTION
	1754 SF	1.5"-2.5" DIA. HORSE CREEK WASHED ROCK MULCH (HK, WOLVERINE, OR EQUAL) PLACED TO 4" DEPTH OVER WEED BARRIER.
	387 LF	12"X4" FLAT MOW CURB; RE: B4/A4.5. SCORE AT 5-FT MINIMUM INTERVALS. FOLLOW GROUND CONTOUR.

PROFESSIONAL ENGINEER — LICENSED — RILEY D. BRADSHAW — 17888 — 3/31/2023 — STATE OF IDAHO

KELLER ASSOCIATES

nbwarchitects p.a. — ARCHITECTURE / PLANNING / INTERIORS

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGE'S

2220 E 600 N

ST. ANTHONY, IDAHO 83445

PROJECT:

GENERAL BUILDING LANDSCAPE PLAN

SHEET TITLE:

REVISIONS

NBW PROJECT NO. 21023

DATE: DECEMBER 2022

DRAWN BY: JLP

CHECKED BY: RDB

DRAWING NO.:

C6.0

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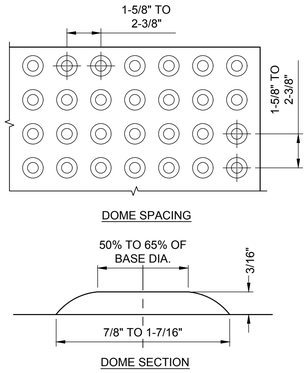
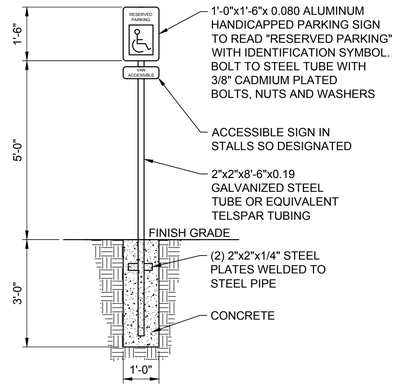


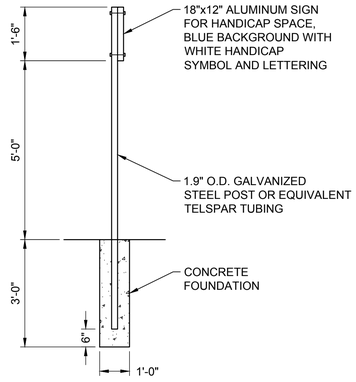
NOTES:

1. DETECTABLE WARNING SURFACE SHALL BE REPLACEABLE AND 24" WIDE IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP, LANDING OR BLEND TRANSITION.
2. DETECTABLE WARNING SURFACES CONSIST OF TRUNCATED DOMES ALIGNED IN A SQUARE OR RADIAL GRID PATTERN.
3. DETECTABLE WARNING DOMES SHALL BE PRE-MANUFACTURED UNITS INTEGRALLY CAST INTO CONCRETE RAMP TO ACHIEVE THE TRUNCATED DOME DIMENSIONS AND SPACING SHOWN IN PLAN. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
4. METHODS OF CONSTRUCTION AND COLORATION MUST BE APPROVED BY THE OWNER PRIOR TO INSTALLATION. SUBMIT STANDARD MANUFACTURERS COLOR TO OWNER FOR COLOR SELECTION. SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.

C1500 DETECTABLE WARNING FOR PEDESTRIAN ACCESS

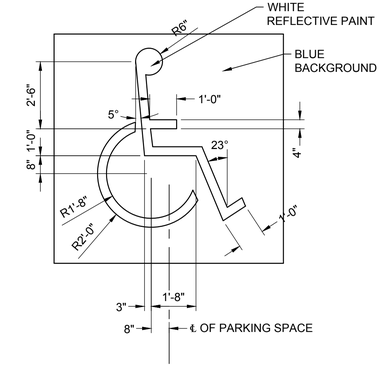
N.T.S.





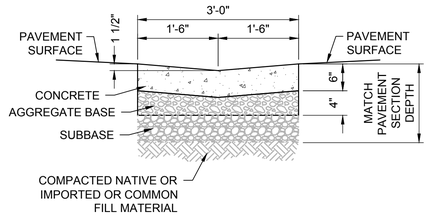
C8011 ACCESSIBLE PARKING SIGN

1/2" = 1'-0"



C8101 ACCESSIBLE SYMBOL

3/8" = 1'-0"

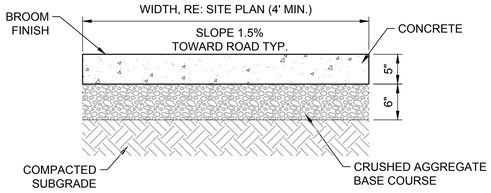


NOTES:

1. PLACE EXPANSION JOINT MATERIAL AT TERMINAL POINTS OF RADII, ADJACENT TO STRUCTURES AND 60-FEET MAXIMUM SPACING.
2. CONTINUOUS PLACEMENT PREFERRED, SCORE INTERVALS 8-FEET MAXIMUM SPACING.
3. SEE SPECIFICATIONS FOR MATERIALS, PLACEMENT & COMPACTION REQUIREMENTS.

C1251 VALLEY GUTTER - 3 FOOT

3/4" = 1'-0"



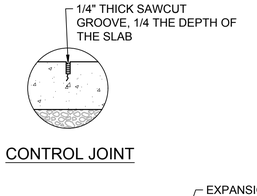
SIDEWALK EDGE

NOTES:

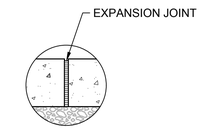
1. PLACE EXPANSION JOINT MATERIAL ADJACENT TO STRUCTURES AND 60 FEET MAXIMUM SPACING.
2. CONTINUOUS PLACEMENT PREFERRED, CONTROL JOINT INTERVALS AT 5 FEET MAXIMUM SPACING.
3. SEE SPECIFICATIONS FOR MATERIALS, PLACEMENT & CONSTRUCTION REQUIREMENTS.
4. PREPARE SUBGRADE IN ACCORDANCE WITH SPECIFICATIONS.

C1401 CONCRETE SIDEWALK

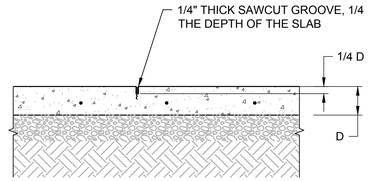
N.T.S.



CONTROL JOINT



EXPANSION JOINT

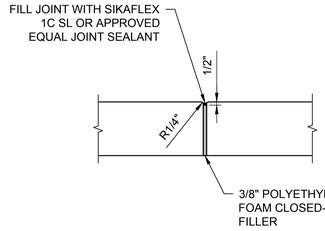


NOTES:

1. CONTROL JOINT AT MAXIMUM SPACING OF 24 D. MAXIMUM PANEL LENGTH TO WIDTH RATIO IS 2 TO 1.
2. FILL WITH JOINT SEALER TO 1/4" BELOW SURFACE.

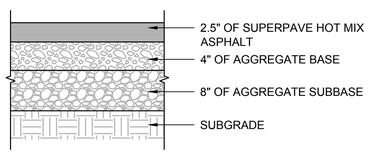
C1431 CONTROL JOINT

N.T.S.



C1433 EXPANSION JOINT - NON-REINFORCED SIDEWALK

N.T.S.

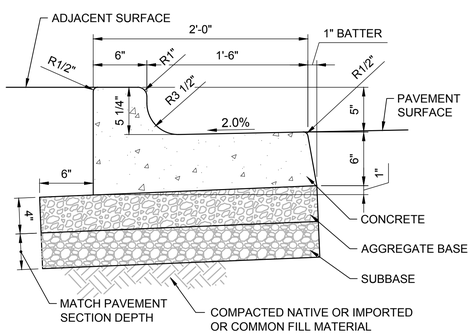


NOTES:

1. SEE SPECIFICATIONS FOR MATERIALS AND CONSTRUCTION REQUIREMENT.
2. PREPARE SUBGRADE IN ACCORDANCE WITH SPECIFICATIONS.

C1003 ASPHALT PAVEMENT - PARKING LOT

N.T.S.

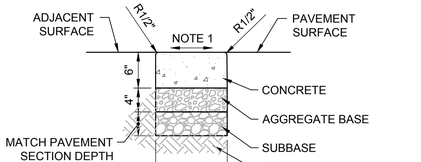


NOTES:

1. PLACE EXPANSION JOINT MATERIAL AT TERMINAL POINTS OF RADII, ADJACENT TO STRUCTURES AND 60-FEET MAXIMUM SPACING.
2. CONTINUOUS PLACEMENT PREFERRED, SCORE INTERVALS 8-FEET MAXIMUM SPACING.
3. SEE SPECIFICATIONS FOR MATERIALS, PLACEMENT & COMPACTION REQUIREMENTS.
4. ADJACENT WALKING SURFACES TO BE FLUSH WITH TOP OF CURB. ADJACENT LAWN OR LANDSCAPE SURFACES TO BE 1-INCH BELOW TOP OF CURB.

C1201 STANDARD CURB & GUTTER

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



NOTES:

1. SLOPE CURB TO MATCH PAVEMENT SLOPE DIRECTION.
2. PLACE EXPANSION JOINT MATERIAL AT TERMINAL POINTS OF RADII, ADJACENT TO STRUCTURES AND 60-FEET MAXIMUM SPACING.
3. CONTINUOUS PLACEMENT PREFERRED, SCORE INTERVALS 8-FEET MAXIMUM SPACING.
4. SEE SPECIFICATIONS FOR MATERIALS, PLACEMENT & COMPACTION REQUIREMENTS.
5. ADJACENT WALKING SURFACES TO BE FLUSH WITH TOP OF CURB. ADJACENT LAWN OR LANDSCAPE SURFACES TO BE 1-INCH BELOW TOP OF CURB.

C1231 RIBBON CURB - 1 FOOT

1" = 1'-0"

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
17888
3/31/2023
STATE OF IDAHO

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
940 2ND AVENUE NORTH / P.O. BOX 2317 / IDAHO FALLS, IDAHO 83403-2317
OFFICE 208.522.8111 / FAX 208.522.8181 / EMAIL nbw@nbwarchitects.com

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGE'S
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

STANDARD DETAILS

SHEET TITLE:

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
--JLP
CHECKED BY:
--RDB

DRAWING NO.:

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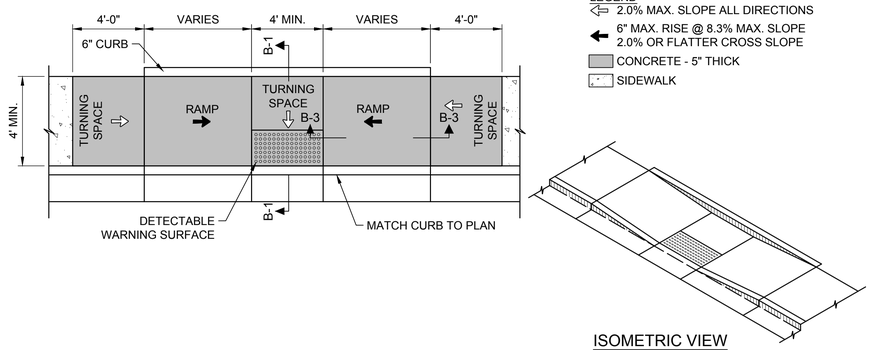

C1 PEDESTRIAN CURB RAMP - TYPE 'B1' LAYOUT

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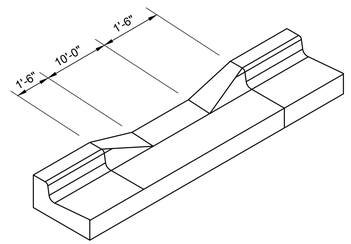
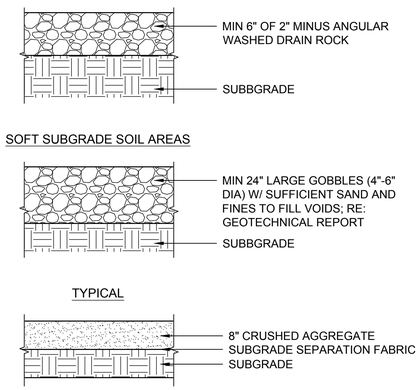


C4 TYPICAL CURB CUT

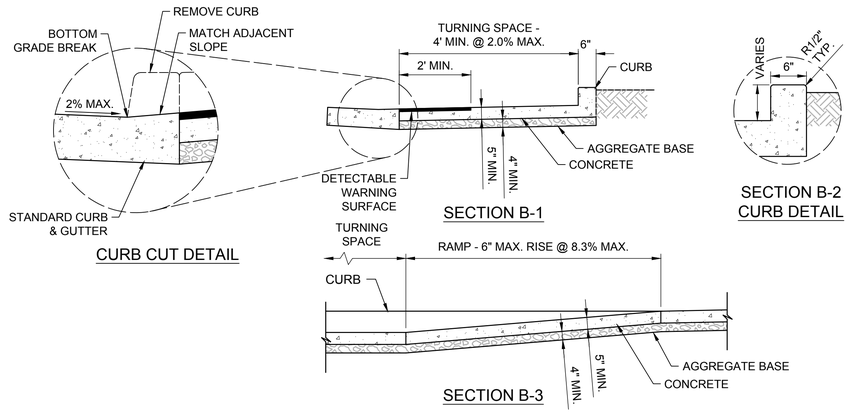
N.T.S.



NOTES:
1. COMPACT SUBGRADE, SUBBASE, BASE AND GRAVEL SURFACING TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D698.
2. CRUSHED AGGREGATE TO BE TYPE 1 (3/4-INCH) PER ISPWC 802.2.2.
3. SUBGRADE SEPARATION FABRIC TO BE NONWOVEN GEOTEXTILE; RE: SPECIFICATIONS
4. CONSTRUCT ENTRANCES TO BE 10-FT WIDE BY 30-FT TO 50-FT LONG. RE: GEOTECHNICAL REPORT REPORT.
5. REEFER TO GEOTECTNICAL REPORT FOR ADDITIONAL SOFT SUBGRADE SOIL RECOMMENDATIONS.

B5 GRAVEL LAYDOWN AREAS AND TEMPORARY CONSTRUCTION ROADWAY

N.T.S.



NOTES:
1. THESE SECTIONS AND NOTES ARE RELATED TO ALL TYPE 'B' PEDESTRIAN CURB RAMPS (PARALLEL STYLE), SEE LAYOUT DETAIL FOR MORE INFORMATION.
2. PARALLEL CURB RAMPS HAVE A RAMP OR RAMPS IN-LINE WITH THE DIRECTION OF SIDEWALK TRAVEL AND LOWER THE SIDEWALK TO A LEVEL TURNING SPACE WHERE A TURN IS MADE TO ENTER THE PEDESTRIAN STREET CROSSING.
3. ALL CONCRETE ADJOINING THE RADIUS WITHIN AND AROUND THE RAMPS TO BE 5" THICK WITH 4" OF 3/4" AGGREGATE BASE.
4. ALIGN ALTERNATING CURB AND SIDEWALK JOINTS. CONSTRUCT JOINTS APPROXIMATELY 1/8" WIDE AND 3/4" IN DEPTH.
5. ALL RAMP SURFACES TO BE 8.3% (12:1) MAXIMUM SLOPE TO CONFORM WITH ADA REQUIREMENTS.
6. THE RAMP THROAT WIDTH TO BE 4' MINIMUM MEASURED PERPENDICULAR TO THE THROAT DEPTH OF THE RAMP.
7. PROVIDE A 4'X4' TURNING SPACE (LANDING) AT TOP AND BOTTOM WITH A 2.0% OR FLATTER SLOPE IN EACH DIRECTION. TURNING SPACES MAY OVERLAP WITH OTHER TURNING SPACES AND CLEAR SPACE.
8. THE CROSS SLOPE OF THE RAMP AND TURNING SPACE SHALL NOT EXCEED 2%. CROSS SLOPE IS MEASURED PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL.
9. ENSURE THAT GRADE BREAKS ARE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN AND ARE FLUSH. DO NOT CREATE GRADE BREAKS ON THE SURFACE OF RAMP RUNS AND TURNING SPACES.
10. ENSURE THAT THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE FOOT OF THE CURB RAMP RUNS DO NOT EXCEED TWO PERCENT.
11. THE PEDESTRIAN CIRCULATION PATH IS A PREPARED SURFACE PROVIDED FOR PEDESTRIAN TRAVEL IN THE PUBLIC RIGHT-OF-WAY. THE PEDESTRIAN ACCESS ROUTE IS A CONTINUOUS AND UNOBSTRUCTED PATH OF TRAVEL PROVIDED FOR PEDESTRIANS WITH DISABILITIES WITHIN OR COINCIDING WITH A PEDESTRIAN CIRCULATION PATH.
12. WHERE PRACTICAL, PLACE UTILITY COVERS, VAULT FRAMES, AND GRATINGS OUTSIDE RAMP RUNS, TURNING SPACES, OR GUTTER AREAS. LOCATE CATCH BASINS AND INLETS OUTSIDE OF RAMP RUNS AND FLARES.
13. PROVIDE DETECTABLE WARNING SURFACE TO WARN PEDESTRIANS WHEN THE PEDESTRIAN ACCESS ROUTE ENTERS TRAFFIC. SEE "DETECTABLE WARNING SURFACE FOR PEDESTRIAN ACCESS" DETAIL FOR INSTALLATION AND LOCATION.

A3 PEDESTRIAN CURB RAMP TYPE 'B' - SECTIONS & NOTES

N.T.S.

PROFESSIONAL ENGINEER
LICENSED
RILEY D. BRADSHAW
17888
3/31/2023
STATE OF IDAHO

KELLER ASSOCIATES

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
940 3RD STREET / P.O. BOX 2317 / IDAHO FALLS, IDAHO 83403-2317
OFFICE 208.522.8111 / FAX 208.522.8181 / WEB www.nbwarchitects.com

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PROJECT:

SHEET TITLE: PROJECT DETAILS

REVISIONS

NBW PROJECT NO.
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DATE:
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--JLP
CHECKED BY:
--RDB

DRAWING NO.:
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STRUCTURAL DRAWING NOTES

ST. ANTHONY COTTAGE

I. GENERAL APPLICATION
A. These drawings must be used in conjunction with the architectural drawings to clearly define the requirements for construction.

B. Do not scale drawings.

C. In the opinion of the Contractor, any items that appear to be deficiencies, omissions, contradictions or ambiguities in the drawings, should be brought to the attention of the Architect and/or G&S Structural Engineers.

II. CODES AND SPECIFICATIONS
A. International Building Code (IBC) - 2018 Edition

III. DESIGN CRITERIA
A. Wind — 3 Second Gust Wind Speed = 120 MPH (Ultimate) / 93 MPH (Nominal)
Risk Category III
Exposure = C
Enclosure Classification-Enclosed
Components and Cladding Pressure = 15 psf

B. Seismic
Ss = 38.5%g — Sds = 0.383g
S1 = 14.90%g — Sd1 = 0.229g
Risk Category = III — IE = 1.25
Site Class = D — Seismic Design Category = D
R = 5 — V = Cs W = 0.096W
Special reinforced masonry sheer walls
Equivalent Lateral Force Analysis Method
Percentage of roof snow used for design = 20%

C. Live Loads per IBC Sec. 1607

	Uniform (psf)	Concentrated (lbs.)
1. Ground snow: Pg	50	-----
2. Roof		
a. Snow Load: Pf	40	-----
i. Ce = 1.0		
ii. Is = 1.10		
iii. Ct = 1.0		
b. Drifting snow: Pd&w	See Plans	
c. Rain Load: R	30.1	
i. Rain Intensity i = 3in/hr		
d. Live Load	20 (Non-concurrent with snow load)	
3. Slab on grade	100	
4. Interior wall lateral pressure	5	
5. Mezzanine	60	

D. Dead Loads — Uniform (psf)
1. Framing system — 20 (Roof); 15 (Mezzanine)

E. Design Assumptions
1. Soil bearing pressure assumed to be 1500 psf for columns and wall footings as per IBC Table 1806.2 based upon a clay, sandy clay, silty clay, clayey silt, silt and sandy silt (CL, ML, MH and CH) type soil. Any variations encountered, different from the soil type assumed, shall be brought to the attention of G&S Structural Engineers before proceeding.

F. Allowable Stresses (unless otherwise noted)
1. Concrete (Reference ACI 318-14, section 19.3-Concrete Durability Requirements)
a. Footings (and interior foundation walls)
i. Per ACI Table 19.3.1.1 - F0,S0,W0,C1
ii. Minimum f'c @ 28 days — 3000 psi
iii. W/C ratio — 0.55 max
iv. Slump limit — 4 - 8 inches with verified max slump of 3" before admixtures, (± 1")
v. Air entrainmentv. — 3% (± 1%) Total air content
b. Exterior/perimeter foundation walls
i. Per ACI Table 19.3.1.1 - F2,S0,W0,C1
ii. Minimum f'c @ 28 days — 4500 psi
iii. W/C ratio — 0.45 max
iv. Slump limit — 4 - 8 inches with verified max slump of 4" before admixtures, (± 1")
v. Air entrainment — 6% (± 1%) Total air content
c. Interior slabs on grade not exposed to freeze thaw
i. Per ACI Table 19.3.1.1 - F0,S0,W0,C1
ii. Minimum f'c @ 28 days — 3000 psi
iii. W/C ratio — 0.55 max
iv. Slump limit — 4 - 8 inches with verified max slump of 3" before admixtures, (± 1")
v. Air entrainment — No air additive
vi. Coordinate concrete design with special slab finish requirements, see arch. drawings and/or specifications. Use the more restrictive requirements.
d. Exterior slabs on grade or interior slab exposed to freeze thaw
i. Per ACI Table 19.3.1.1 - F3,S1,W0,C2
ii. Minimum f'c @ 28 days — 5000 psi
iii. W/C ratio — 0.40 max
iv. Slump limit — 3 - 8 inches with verified max slump of 3" before admixtures, (± 1")
v. Air entrainment — 6% (± 1%) Total air content
vi. See architectural and Civil drawings and project specifications. use the more restrictive requirements.
2. Concrete masonry
a. Masonry Wall (f'm) — 1500 psi
b. Masonry Units — 1900 psi
c. Mortar (@ 28 days)
i. Type M — 2500 psi
ii. Type S — 1800 psi
d. Grout (@ 28 days) — 2000 psi
3. Reinforcing steel
a. Typical — ASTM A615 Grade 60
b. Weldable — ASTM A706 Grade 60
4. Structural steel
a. W-shapes — ASTM A992
b. Angles — ASTM A36
c. Miscellaneous plates & bars — ASTM A36
d. HSS shapes — ASTM A500 Grade B
5. Wood framing
a. Stud Walls — NO. 2 Douglas Fir
b. 2x joists — No. 2 Douglas Fir
c. Engineered "I" joists — Truss Joist or equivalent
d. Laminated Veneer Lumber (LVL) — 2.0E
e. Laminated Strand Lumber (LSL) — 1.3E Rim Joist
6. Deformed Bar Anchors (DBA) — ASTM A496

IV. SPECIAL INSPECTIONS
A. The Owner or the Owner's Agent shall employ independent Special Inspector(s) to perform the following duties. Each Special Inspector shall submit qualifications showing competency to the Building Official for approval prior to specified duties. All special inspection is to comply with IBC Chapter 17.
1. Duties and Responsibilities of the Special Inspector:
a. The Special Inspector shall observe the work assigned to be certain it conforms to the approved contract drawings.
b. The Special Inspector shall furnish inspection reports to the Building Official and to the Architect of Record. All discrepancies shall be brought to the immediate attention of the Contractor for correction.
2. Concrete:
a. Special inspection per IBC Section 1705.3.
3. Anchors installed in concrete or masonry:
a. Drilled in adhesive (epoxy) and mechanical anchors:
i. Special inspection of drilled in anchors as per ICC Evaluation Services Report and/or as required by the building department, IBC Table 1705.3 and TMS 602 Table 4.
4. Structural Masonry:
a. Special inspection per IBC Section 1705.4.
i. Follow Level 2 requirements for buildings in Risk Category I, II and III.
5. Structural Steel:
a. Special inspection per IBC Sections 1705.2 and 1705.13.1
6. Structural Backfill:
a. Periodic inspection of soils under concrete footings per the requirements in the Geotechnical Engineering Report or note F in Section V.

V. GENERAL STRUCTURAL NOTES
A. All footings shall bear on undisturbed soil or rock. The foundation shall bear on the same soil type throughout the entire structure. A minimum distance of 3'-0" shall be maintained from finished grade to the bottom of all concrete footings.

B. Caution shall be taken not to undermine existing footings. See Allowable Trenching and Utility Placement Detail 1/S1.3.

C. Contractor shall verify all dimensions in the field: any variation from the drawings shall be brought to the attention of the Architect. Any proposed field changes shall have prior approval from the Architect.

D. Adequate shoring and bracing of all structural members during construction shall be provided.

E. Backfill under slabs and footings shall be with approved material. Unless noted otherwise in a Geotechnical Engineering Report place fill in 8" maximum loose lifts and compact to 95% maximum dry density in accordance with ASTM D1557.

VI. CONCRETE
A. Unless otherwise noted, all concrete is to be made with Portland Cement - ASTM C150 with a maximum aggregate size less than or equal to one inch.

B. Concrete shall be of ready-mix type conforming to ASTM C94.

C. When the average daily temperature is expected to drop below 40° F for 3 or more successive days, the concrete shall comply with the Cold Weather Concreting Standard (ACI 306). Place no concrete against frozen earth.

D. All vertical reinforcement in piers and walls shall be doweled from the footing or structure below with rebar of the same size and spacing as required above. All footing dowels shall have at least 40 diameters embedment into concrete above and shall have a 6" hook in footing below unless specified otherwise.

E. Provide corner bars at all intersecting corners. Use same bar size and spacing as horizontal wall reinforcement. Where horizontal reinforcing bars join concrete columns the reinforcing shall run continuous through columns. Where continuous horizontal reinforcement terminates, use a 90° return or separate corner bar.

F. Splices of reinforcement at points of maximum stress shall be avoided. All longitudinal reinforcement in beams and headers shall be continuous without splices between supports. Minimum overlap for lapped splices shall be as follows:
#4 - 24"; #5 - 30"; #6 - 36"; #7 - 53"

G. Reinforce all concrete walls as shown on the Concrete Wall Schedule.

H. All exterior vertical concrete surfaces below finished grade, where in contact with earth, shall be protected with an asphaltic coating.

I. No aluminum products shall be embedded in the concrete.

J. All construction joints shall be located so as not to impair the strength of the structure. Unless noted on the drawings, all reinforcement shall be continuous through the joints. Each construction joint shall be keyed.

K. Construction joints in large areas of slab on grade shall be placed in long strip construction fashion in widths as required. Control joints at 10 feet maximum shall be saw-cut longitudinal and transverse to the length.
See Concrete Slab on Grade Details S1.2.

VII. MASONRY
A. All concrete masonry units shown on the drawings shall conform to TMS 602/ACI 530/ ASCE6. Net area compressive strength of concrete masonry unit to be 1900 psi. Net area compressive strength masonry f'm = 1500 psi.

B. The mortar used shall conform to TMS 602/ACI 530/ ASCE6 with minimum compressive strength at 28 days of 2500 psi for Type M and 1800 psi for Type S mortar. Reference ASTM C270 for mix proportions.

C. Grout shall comply with Article 2.2 of TMS 602/ACI 530/ ASCE6. Grout shall be proportioned by volume and shall have sufficient water to produce a consistency for pouring without separation. Also, grout shall have a minimum compressive strength at 28 days of 2000 psi. Reference ASTM C476 for mix proportions.

D. When the average daily temperature is expected to drop below 40° F, the masonry shall comply with the Cold Weather Construction requirements of the Building Code Requirements for Masonry Structures (ACI 530). Use no masonry units having surface ice or snow.

E. All masonry units shall be placed in a running bond orientation. Cells shall be aligned to preserve unobstructed vertical cavities. All cells with reinforcement, anchor bolts, embed plates and areas to receive drilled in anchors shall be grouted full.

F. All vertical reinforcement in piers and walls shall be doweled from the footing or structure below with rebar of the same size and spacing as required above. All footing dowels shall have at least 40 diameters embedment into masonry above and shall have a 6" hook in footing below unless specified otherwise. Provide two reinforced and grouted vertical cells at all corners, ends and each side of control joints. (See Typical Masonry Details 2/S1.3).

G. High lift grouting is acceptable at the Contractor's option. The Contractor must coordinate with the special inspection agency and follow the extra requirements necessary for the inspection of the high lift grouting prior to constructing any areas that will be grouted as a high lift. All high lift grouting requirements must be followed. Do not allow grout to free fall more than 48".

H. All horizontal reinforcement shall be in a bond beam. Where horizontal reinforcing bars join concrete or masonry columns the reinforcing shall run continuous through columns. Where continuous horizontal reinforcement terminates, use a 90° return or separate corner bar.

I. Splices of reinforcement at points of maximum stress shall be avoided. All longitudinal reinforcement in beams and headers shall be continuous without splices between supports. Minimum overlap for lapped splices for reinforcing bars shall be as follows unless otherwise noted.

If centered in wall:	#4 - 15"	#5 - 23"	#6 - 43"	#7 - 60"
If offset 2" from face of wall:	#4 - 26"	#5 - 40"	#6 - 54"	#7 - 63"

J. Reinforce all masonry walls as shown on the Masonry Wall Schedule.

VIII. REINFORCING STEEL
A. Welding or tack welding of reinforcing bars to other bars, plates, angles, etc. is prohibited unless ASTM A706 (weldable) rebar is utilized.

B. All detailing, fabrication and placing of reinforcing bars shall conform to the ACI Manual of Standard Practice for Detailing Reinforcing Concrete Structures (ACI 315).

C. Reinforcement shall be accurately placed as indicated on the drawings and adequately supported to prevent displacement before concrete or masonry grout is placed.

D. The following minimum concrete cover for reinforcement shall be provided, unless otherwise noted.
Cast against and permanently exposed to earth.....3"
Exposed to earth or weather - #5 and smaller... 1-1/2"
#6 thru #18 bars..... 2"
Not exposed to earth or weather - slabs, walls... 3/4"

IX. ARCHITECTURAL VENEER ATTACHMENTS
A. All architectural veneer and wall coverings are to be attached to the supporting wall system per the requirements of IBC Section 1404 "Installation of Wall Coverings".

X. STRUCTURAL STEEL
A. All structural steel and structural steel work shall comply with the "Specification for Structural Steel Buildings" (AISC 360) and the "Seismic Provisions for Structural Steel Buildings" (AISC 341).

B. All steel shall be shop fabricated to the greatest extent possible per AISC. All steel members shall be given one shop coat of approved paint. Surfaces to be embedded in concrete shall not be painted.

C. All welding must conform to the AISC and the AWS Structural Welding Code-Steel. All welders shall have current certification by tests per American Welding Society (AWS) to perform the type of work required. All welds shall be made using a minimum 70 ksi electrode meeting Charpy V-Notch toughness of 20 ft-lbs @ 20° F as determined by AWS for electrodes.

D. All structural steel shall be temporarily braced until all of the structural frame is complete.

E. All steel column base plates bearing on concrete shall have non-shrink structural grout under the entire base plate. The grout shall be placed as soon as possible before the structural column is loaded.

F. All high strength bolts are to be tightened to the snug tight condition unless otherwise noted.

XI. STEEL ROOF DECKING
A. Steel deck shall be formed from sheets conforming to the requirements of the Steel Deck Institute.

B. Steel deck shall comply with the latest requirements of the Steel Deck Institute. Submit ICC report with vertical load and lateral shear capacities with shop drawings if supplied deck will be different than that specified.

C. Provide a 2" minimum bearing and a 4" lap at the splice points of all pieces of decking.

D. Steel deck shall be 3-span continuous minimum.

E. Steel deck shall be 1 1/2" deep x 20 gage, Verco HSB-36 deck.

F. Weld steel deck to the supporting framing members as follows:
1) Support fasteners (perpendicular and parallel): 5/8"Ø puddle welds @ 12" o.c. parallel, 36/4 pattern perpendicular.
2) Sidelap fasteners: Button Punch @ 12" o.c.

G. All puddle welds shall be made with a minimum 60 ksi electrode.

H. Substitutions in deck and/or attachments are allowed provided they meet or exceed those specified.

XII. PRE-ENGINEERED WOOD TRUSSES
A. See architectural drawings for roof slopes and/or truss configurations. Review structural drawings for intended truss placement and support locations.

B. Individual trusses and truss spacing to be designed by the Truss Manufacturer. The truss spacings shown on plan are maximum spacings. The Truss Manufacturer may combine and/or space trusses closer together as required by the individual truss design.

C. The pre-engineered roof truss members shall be designed to support the following loads in addition to the dead load of the member as applicable.
1. 40 psf roof snow load plus drifting as indicated on plans.
2. 20 psf roof live load (non-concurrent with snow load).
3. 12 psf dead load top chord.
4. 8 psf dead load bottom chord.5
5. Applicable wind and seismic loads.
6. A 10 psf bottom chord live load non-concurrent with any other live loads.
7. Applicable mechanical, electrical and sprinkler loads.
8. Concentrated loads with magnitude and locations as indicated in plan.

D. The shop drawings and design calculations shall be produced by, or under the supervision of a registered Professional Engineer. The shop drawing submittal to the Contractor shall include the following:
1. Truss placement plan.
2. Truss design drawing for each truss, stamped and signed by a registered Professional Engineer licensed in the state in which the project will be constructed.
3. Connection requirements for truss-to-truss girder, truss ply to ply and field splices shall be designed by the Truss Manufacturer and submitted with shop drawings. Contractor shall provide such connection requirements as specified in shop submittals.

E. Contractor shall provide all permanent bracing requirements for the structure, including the trusses as indicated in structural drawings and truss shop drawings. The lateral bracing shall be anchored to solid end walls or permanent diagonal bracing.

F. No truss shall be modified without the Truss Manufacturer's approval.

XIII. TIMBER
A. All wood and timber construction that is part of this project shall comply with the Timber Construction Manual of the AITC. Other members with equivalent size and strength can be substituted only if documentation is provided to substantiate capacity of new product. All wood framing members shall have a moisture content less than 19% unless otherwise noted.

B. Notching of any structural member other than that shown on the drawings is prohibited. See Detail 3/S1.3 for Allowable Penetration In Light Framed 2x Lumber.

C. There shall be at least two nails at each contact point, with 8d thru 1" material, 16d thru 2" material and 40-60d thru 3" material.

D. Wherever possible nails should be driven perpendicular to the grain instead of toe nailed.

E. All wood materials in direct contact with concrete or masonry or within 6" of soil shall be pressure treated wood or wood of natural resistance to decay.

F. Where wood tends to split, holes for nails shall be bored a diameter smaller than that of the nails.

G. Roof sheathing face grain must be perpendicular to its supports.

H. Roof diaphragm sheathing nails or other approved sheathing connections shall be driven so that their head or crown is flush with the surface of the sheathing.

I. All wood connection hardware shown on plans are based upon Simpson Strong Tie products. Equivalent hardware may be used upon approval of the Architect. All hangers are to match the width and depth of framing members with the correct slope and skew where applicable. Fill all nail holes unless otherwise noted. All Simpson connectors in exterior applications or in contact with pressure treated wood shall have a corrosion resistant coating. The coating type shall be determined by referencing the "General Corrosion Information" website at "www.strongtie.com/info"

J. See the Nailing Schedule for the typical wood to wood fastening requirements of the structural components.

K. For Alternate Staple Schedule for roof and wall sheathing see Sheet S1.1.

NAILING SCHEDULE

All nails in this schedule are based upon IBC Table 2304.10.1 and Truss Joist specifier's guide. See the IBC table or engineered "I" joist manufacture for additional options and requirements. All fasteners exposed to weather or moisture and/or fasteners less than 1/2"Ø driven into pressure treated lumber shall be stainless steel or galvanized. Other nails with proper revised spacing may be used with written approval of the engineer.

CONNECTION	FASTENING
"I" joist to bearing	2-8d box (0.113"x2.5") 1 nail @ each side driven at an angle at least 1.5" from end
"I" joist blocking & web stiffeners	See manufacturer's nailing requirement
Double "I" joists	See manufacturer's nailing requirement
1.25" LSL Rim joist	2-10d box (0.131"x3") 1 end nail into each flange & 10d box (0.131"x3") toenail @ 6" o.c. into the bearing plate below
2x Roof Joists or 2x trusses to top plate	4-10d box (0.128"x3") toenail or 3-16d box (0.135"x3.5") toenail
Blocking between 2x joists or 2x trusses	3-10d box (0.128"x3") toenail to joist or truss each end & 10d box (0.128"x3") toenail to plate below @ 6" o.c.
Double Top Plates	
Lower plate to top of stud	2-16d common (0.162"x3.5") end nails or 3-10d box (0.128"x3") end nails
Upper plate to lower plate-staggered	16d common (0.162"x3.5") @ 16" o.c. or 10d box (0.128"x3") @ 12" o.c.
Upper plate to lower plate @ intersection	2-16d common (0.162"x3.5") or 3-10d box (0.128"x3")
Upper plate to lower plate @ splice point	8-16d common (0.162"x3.5") or 12-10d box (0.128"x3") @ each side of splice (Minimum lap: 4'-0" with 2'-0" each side of splice)
Bottom plate to joist, rim or blocking	2-16d box (0.135"x3.5") @ each joist & 16d box (0.135"x3.5") @ 12" o.c. into rim joist
Studs to bottom plate	2-16d common (0.162"x3.5") end nails or 3-10d box (0.128"x3") end nails or 4-10d box (0.128"x3") toenails
Blocking between studs	2-10d box (0.128"x3") toenail or end nails @ each end
Continuous beveled plates	16d box (0.135"x3.5") @ 12" o.c.
Double 2x joists	2 rows of 16d box (0.135"x3.5") @ 12" o.c.
7/16" APA Rated 24/16 Wall Sheathing Block all panel joints.	Edge nailing - 8d common (0.131"x2 1/2") @ 6" o.c. Intermediate nailing - 8d common (0.131"x2 1/2") @ 12" o.c.

ALTERNATE STAPLE SCHEDULE FOR APA RATED SHEATHING

0.131"ax2 1/2" NAIL SPACING AS SPECIFIED IN THE WOOD WALL OR DIAPHRAGM SCHEDULES	14 GAUGE	15 GAUGE	16 GAUGE
@ 12" O.C.	@ 8" O.C.	@ 8" O.C.	@ 6" O.C.
@ 6" O.C.	@ 4" O.C.	@ 4" O.C.	@ 3" O.C.
@ 4" O.C.	@ 3" O.C.	@ 2" O.C.	@ 2" O.C.
@ 3" O.C.	@ 3" O.C.	@ 2" O.C.	NONE
@ 2" O.C.	NONE	NONE	NONE

NOTE:
1. ALL STAPLES TO HAVE 7/16" MIN. CROWN WIDTH AND MUST BE INSTALLED WITH THEIR CROWNS PARALLEL TO THE LONG DIMENSION OF THE FRAMING MEMBERS.
2. MINIMUM PENETRATION FOR ALL STAPLE GAUGES IS 1 1/2".
3. FASTENER SPACING @ 2" O.C. OR LESS REQUIRES NOMINAL 3x MEMBER.

LEGEND

MARK ON SHEET	DESCRIPTION	SCHEDULE ON SHEET	DETAIL
CF	CONCRETE FOOTING	S2.1	-
CCJ	CONTROL OR CONST. JT.	-	S1.2
CP	CONCRETE PIER	S1.2	-
CS	CONCRETE SLAB	S1.2	-
CW	CONCRETE WALL	S1.2	-
MCJ	MASONRY CONTROL JT.	-	2/S1.3
MC	MASONRY COLUMNS	S1.2	-
MH	MASONRY HEADER	S1.2	-
MW	MASONRY WALL	S1.2	-
SB	STEEL BEAM	S1.2	-
SC	STEEL COLUMN	S1.2	-
SD	STEEL DECK	S1.2	-
SJ	STEEL JOIST	S1.2	-
WB	WOOD BEAM	S1.2	-
WD	WOOD DIAPHRAGM	S1.1	-
WJ	WOOD JOIST	S1.2	-

PROFESSIONAL ENGINEER REGISTERED 8816 3-24-2023 STATE OF IDAHO MARK D. ANDRUS

G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL: gs@gsengineers.net COPYRIGHT 2020
PROJECT NUMBER:21193
DRAFTER:GH DESIGNER:MA CHECKER:FLW

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8775 (F) 208.522.8765 (@) nbwarchitects.com

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
STRUCTURAL NOTES

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
GH
CHECKED BY:
MA

DRAWING NO.:
S1.1

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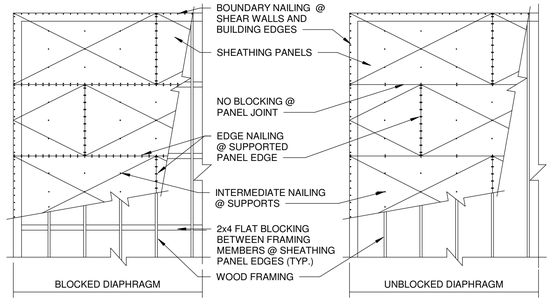
WOOD DIAPHRAGM SCHEDULE

MARK	SPAN RATING	SHEATHING	PANEL JOINT BLOCKING	NAILING (0.131"ø x 2 1/2" MIN. U.O.N.)
WD1	40/20	19/32" C-D APA RATED SHEATHING	NONE	BOUNDARY @ 6" O.C. SUPPORTED EDGES @ 6" O.C. INTERMEDIATE @ 12" O.C.
WD2	48/24	23/32" C-D APA RATED SHEATHING	NONE REQ'D. W/ T&G PLYWOOD	BOUNDARY @ 6" O.C. SUPPORTED EDGES @ 6" O.C. INTERMEDIATE @ 12" O.C.



TYPICAL HORIZONTAL DIAPHRAGM NAILING

BEAM SCHEDULE

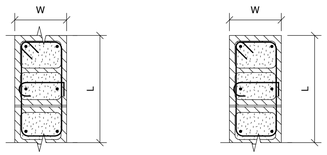
MARK	BEAM SIZE	MATERIAL	REMARKS
SB1	HSS6x6x3/16	ASTM A500 GRADE B	
SB2	HSS12x12x1/4	ASTM A500 GRADE B	
SB3	HSS12x8x3/16	ASTM A500 GRADE B	
SB4	W10x45	ASTM A992	
SB5	W21x48	ASTM A992	
WB6	1 3/4x7 1/4	2.0E LVL	
WB7	2- 1 3/4x7 1/4	2.0E LVL	ATTACH W/ 2 ROWS OF 16d NAILS @ 12" O.C. DRIVEN FROM ONE SIDE
WB8	3- 1 3/4x7 1/4	2.0E LVL	ATTACH W/ 2 ROWS OF 16d NAILS @ 12" O.C. DRIVEN FROM BOTH SIDES
WB9	1 3/4x9 1/2	2.0E LVL	
WB10	2- 1 3/4x9 1/2	2.0E LVL	ATTACH W/ 2 ROWS OF 16d NAILS @ 12" O.C. DRIVEN FROM ONE SIDE
WB11			NOT USED
WB12	2x8	NO. 2 DOUG FIR	

JOIST SCHEDULE

MARK	JOIST SIZE	MATERIAL	SPACING	REMARKS
SJ1	HSS12x2x3/16	ASTM 500 GRADE B	24" O.C.	
WJ2	2x8	NO. 2 DOUG. FIR	24" O.C.	
WJ3	9 1/2	TJI 210	16" O.C.	
WJ4	9 1/2	TJI 110	16" O.C.	

MASONRY COLUMN SCHEDULE

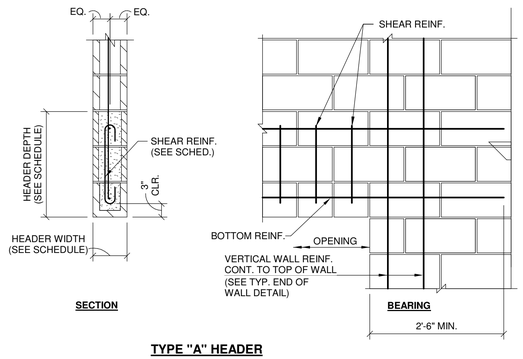
MARK	SIZE (W x L)	TYPE	REINFORCEMENT		REMARKS
			VERTICAL	TIES	
MC1	8"x24"	A&B	6- #5	#3 @ 8"	
MC2	8"x16"	B	4- #6	#3 @ 8"	



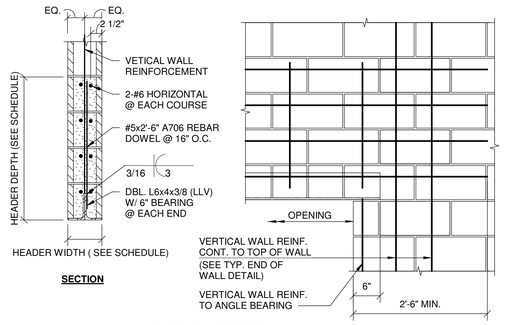
MASONRY HEADER SCHEDULE

MARK	HEADER DEPTH	HEADER WIDTH	HEADER TYPE	HEADER REINFORCEMENT			REMARKS
				TOP	BOTTOM	SHEAR	
MH1	16"	8"	A	1- #5	1- #5	NOT REQ'D.	
MH2	24"	8"	A	2- #5	2- #5	NOT REQ'D.	
MH3	32"	8"	B	AS NOTED IN SECTION			SEE FOOTNOTE #7,#8 & SECTIONS 11/S3.2 & 16/S3.2
MH4	24"	6"	A	1- #5	1- #5	NOT REQ'D.	
MH5	32"	8"	C	AS NOTED IN SECTION			SEE SECTION 17/S3.2
MH6	32"	8"	A	2- #5	2- #5	NOT REQ'D.	

NOTES:
1. NO SPLICES OF HORIZONTAL REINFORCEMENT PERMITTED WITHIN BEAM SPAN.
2. HEADER REINFORCEMENT SHALL EXTEND 2'-6" MINIMUM PAST OPENING.
3. SHEAR REINFORCEMENT SHALL BE A SINGLE BAR WITH A 180 DEGREE HOOK AT EACH END.
4. SHEAR REINFORCEMENT SHALL BE HOOKED AROUND THE LONGITUDINAL REINFORCEMENT.
5. GROUT EACH MASONRY HEADER MONOLITHICALLY. HORIZONTAL WALL REINFORCING SHALL RUN CONTINUOUS THROUGH MASONRY HEADERS. WHERE BOTH HORIZONTAL WALL REINFORCING AND HEADER REINFORCING WOULD OCCUR IN THE SAME COURSE, THE LARGER BARS ARE TO REPLACE THE SMALLER BARS.
7. PROVIDE 6" BEARING FOR ANGLE AT EACH END OF OPENING WITH 2-1/2"ø x12" DBA'S SHORE HEADER UNTIL CMU WALL HAS FULLY CURED.
8. WELD ANGLES TOGETHER W/ 1/4" GROVE WELD TOP AND BOTTOM. GRIND BOTTOM SMOOTH. TRIM HORIZONTAL LEGS TO A TOTAL WIDTH OF 7 5/8".



TYPE "A" HEADER



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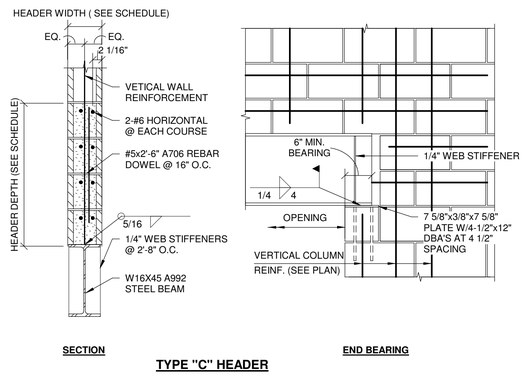


TYPE "C" HEADER

TYPICAL MASONRY HEADER DETAILS

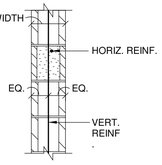
MASONRY WALL SCHEDULE

ON PLAN DENOTES TOP OF WALL (U.O.N.)

MARK	WIDTH	TYPE	REINFORCEMENT			REMARKS
			HORIZONTAL	VERTICAL	BOUNDARY(2)	
MW1	6"	A	#4 @ 48" O.C.	#4 @ 48" O.C.	1- #4	
MW2	6"	A	#4 @ 32" O.C.	#4 @ 32" O.C.	2- #4	
MW3	8"	A	#5 @ 48" O.C.	#5 @ 32" O.C.	2- #5	
MW4	8"	A	#5 @ 48" O.C.	#5 @ 16" O.C.	4- #5	GROUT WALL FULL TO MINIMUM 9'-4" HEIGHT
MW5	8"	A	#5 @ 24" O.C.	#5 @ 24" O.C.	2- #5	
MW6	8"	A	#5 @ 16" O.C.	#5 @ 16" O.C.	2- #5	
MW7	8"	A	#4 @ 8" O.C.	#5 @ 8" O.C.	2- #5	
MW8	6"	A	#4 @ 32" O.C.	#4 @ 24" O.C.	2- #4	GROUT WALL FULL -FULL HEIGHT

NOTES:
1. SEE DETAILS AND STRUCTURAL NOTES FOR ADDITIONAL MASONRY REQUIREMENTS.
2. BOUNDARY REINFORCEMENT IS THE NUMBER AND SIZE OF VERTICAL REINFORCEMENT AT THE END OF EACH WALL SEGMENT. ONE VERTICAL REBAR IN EACH VERTICAL CELL FOR THE NUMBER SPECIFIED. END OF WALL OCCURS AT WINDOW AND DOOR OPENINGS, CORNERS AND "T" INTERSECTIONS. SEE SECTION 2/S1.3.

PLACEMENT TYPE

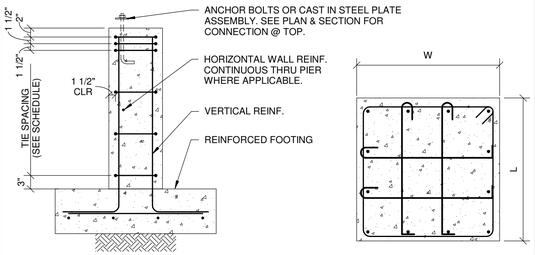


TYPE A

CONCRETE PIER SCHEDULE

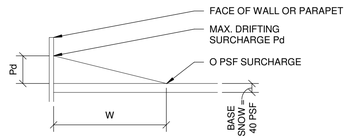
ON PLAN DENOTES TOP OF PIER (U.O.N.)

MARK	SIZE (W x L)	MATERIAL	TYPE	REINFORCEMENT		REMARKS
				VERTICAL	TIES	
CP1	32"X32"	CONCRETE	A	12- #6	#3 @ 12"	



SNOW DRIFTING LOAD SCHEDULE

DRIFT TYPE	Pd (psf)	W	REMARKS
A	75	15'-0"	
B	75	-	UNIFORM LOAD - NON TAPERING



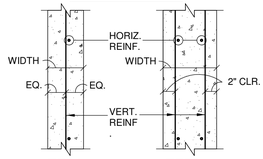
SNOW DRIFTING LOAD DIAGRAM

CONCRETE WALL SCHEDULE

ON PLAN DENOTES TOP OF WALL (U.O.N.)

MARK	WIDTH	TYPE	REINFORCEMENT		REMARKS
			HORIZONTAL	VERTICAL	
CW1	8"	A	#4 @ 12" O.C.	#4 @ 18" O.C.	
CW2	15"	B	#4 @ 12" O.C. EACH FACE	#4 @ 18" O.C. EACH FACE	
CW3	6"	A	#4 @ 16" O.C.	#4 @ 18" O.C.	

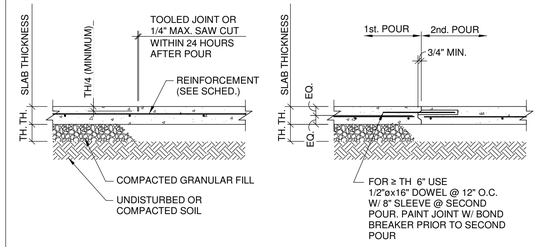
PLACEMENT TYPE



CONCRETE SLAB SCHEDULE

ON PLAN DENOTES TOP OF SLAB (U.O.N.)

MARK	SLAB THICKNESS (TH)	TH/4	REINFORCEMENT		REMARKS
			LONGITUDINAL	TRANSVERSE	
CS1	4"	1"	#4 @ 24" O.C.	#4 @ 24" O.C.	
CS2	8"	N/A	#4 @ 24" O.C. TOP & BOTTOM	#4 @ 24" O.C. TOP & BOTTOM	



CONCRETE SLAB ON GRADE DETAILS

STEEL DECK SCHEDULE

MARK	DECK SIZE	FASTENING REQUIREMENTS	REMARKS
SD1	1 1/2" HSB-36 VERCO DECK 20 GAGE	PERPENDICULAR TO SUPPORT: 5/8"Ø PUDDLE WELD @ 36/4 PATTERN PARALLEL TO SUPPORT: 5/8"Ø PUDDLE WELD @ 12" O.C. SIDE LAP CONNECTION: BUTTON PUNCH @ 12"O.C.	OR EQUIVALENT DECK AND FASTENING

VERCO STEEL DECK DESIGN PROPERTIES PER FOOT OF WIDTH

	DECK TYPE	I in⁴ SINGLE SPAN	I in³ MULTI SPAN	+S in³	-S in³	
	1 1/2" HSB-36 VERCO DECK 20 GAGE	0.219	0.231	0.230	0.237	

COLUMN SCHEDULE

MARK	COLUMN SIZE	MATERIAL	REMARKS
SC1	4- HSS6x6x3/16	ASTM A500 GRADE B	
SC2	HSS8x8x3/16	ASTM A500 GRADE B	
SC3	HSS6x4x1/4	ASTM A500 GRADE B	

PROFESSIONAL ENGINEER REGISTERED 8816 3-24-2023 STATE OF IDAHO MARK D. ANDRUS

G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL gs@gsengineers.net

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nbwarchitects p.a.
ARCHITECTURE/PLANNING/INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8775 (F) 208.522.8765 (@) nbwarchitects.com

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445
STRUCTURAL SCHEDULES

PROJECT:
SHEET TITLE:

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
GH
CHECKED BY:
MA

DRAWING NO.:
S1.2

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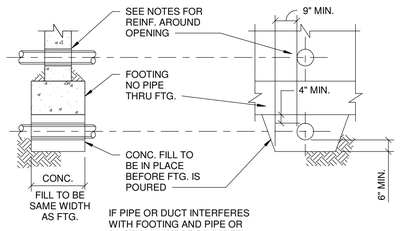
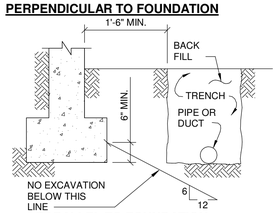


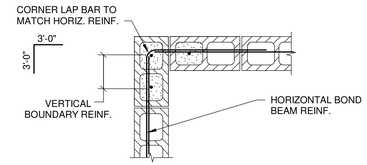
PERPENDICULAR TO FOUNDATION



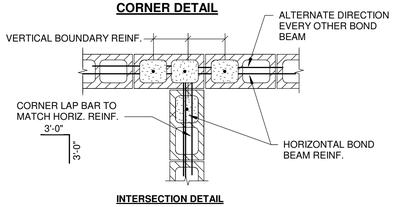
PARALLEL TO FOUNDATION

ALLOWABLE TRENCHING & UTILITY PLACEMENT DETAIL

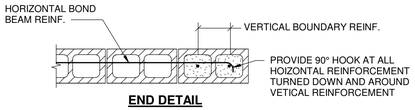
1 S1.3



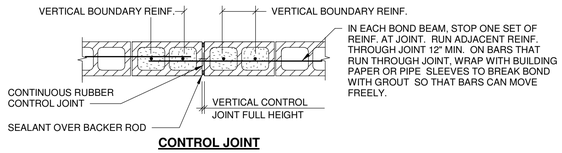
CORNER DETAIL



INTERSECTION DETAIL



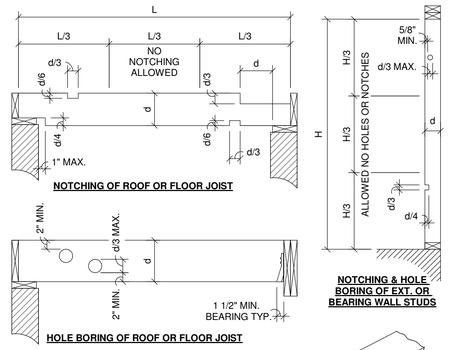
END DETAIL



CONTROL JOINT

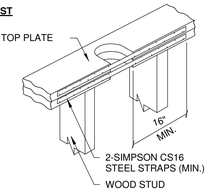
TYPICAL MASONRY DETAIL

2 S1.3



SIZE SCHEDULE			
MEMBER	d/3	d/4	d/6
2x4	1 1/8	7/8	5/8
2x6	1 3/4	1 3/8	7/8
2x8	2 3/8	1 3/4	1 1/8
2x10	3	2 1/4	1 1/2
2x12	3 5/8	2 3/4	1 7/8

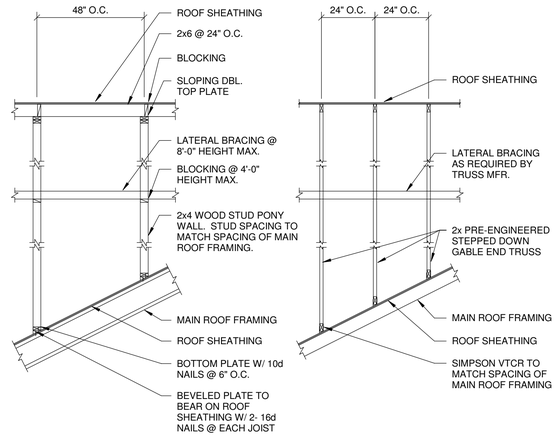
HOLES & NOTCHES IN BEAMS ARE NOT ALLOWED UNLESS OTHERWISE APPROVED IN WRITING BY ENGINEER



NOTCHING OF DOUBLE TOP PLATE

ALLOWABLE PENETRATION IN LIGHT FRAMED 2x LUMBER

3 S1.3



OVERBUILD CONSTRUCTION **ALTERNATE OVERBUILD CONSTRUCTION**

TYPICAL OVERBUILD DETAIL

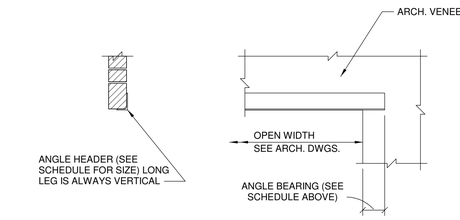
3/4" = 1'-0"

4 S1.3

NON-LOAD BEARING ARCHITECTURAL VENEER HEADER SCHEDULE

SPAN	ANGLE SIZE	MINIMUM BEARING
LESS THAN 4'-0"	L4x4x1/4	5"
4'-0" TO 6'-0"	L4x4x1/4	5"
6'-0" TO 8'-0"	L6x4x5/16	6"
8'-0" TO 10'-0"	L6x4x3/8	6"
10'-0" TO 12'-0"	L7x4x3/8	8"

NOTE:
1. PROVIDE SHORING UNDER HEADERS DURING THE CONSTRUCTION PROCESS UNTIL MORTAR IS FULLY CURED.



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G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL: gs@gsengineers.net

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ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8775 (F) 208.522.8765 (@) nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: STRUCTURAL TYPICAL DETAILS

REVISIONS

NBW PROJECT NO. 21023
DATE: DECEMBER 2022
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DRAWING NO.: S1.3

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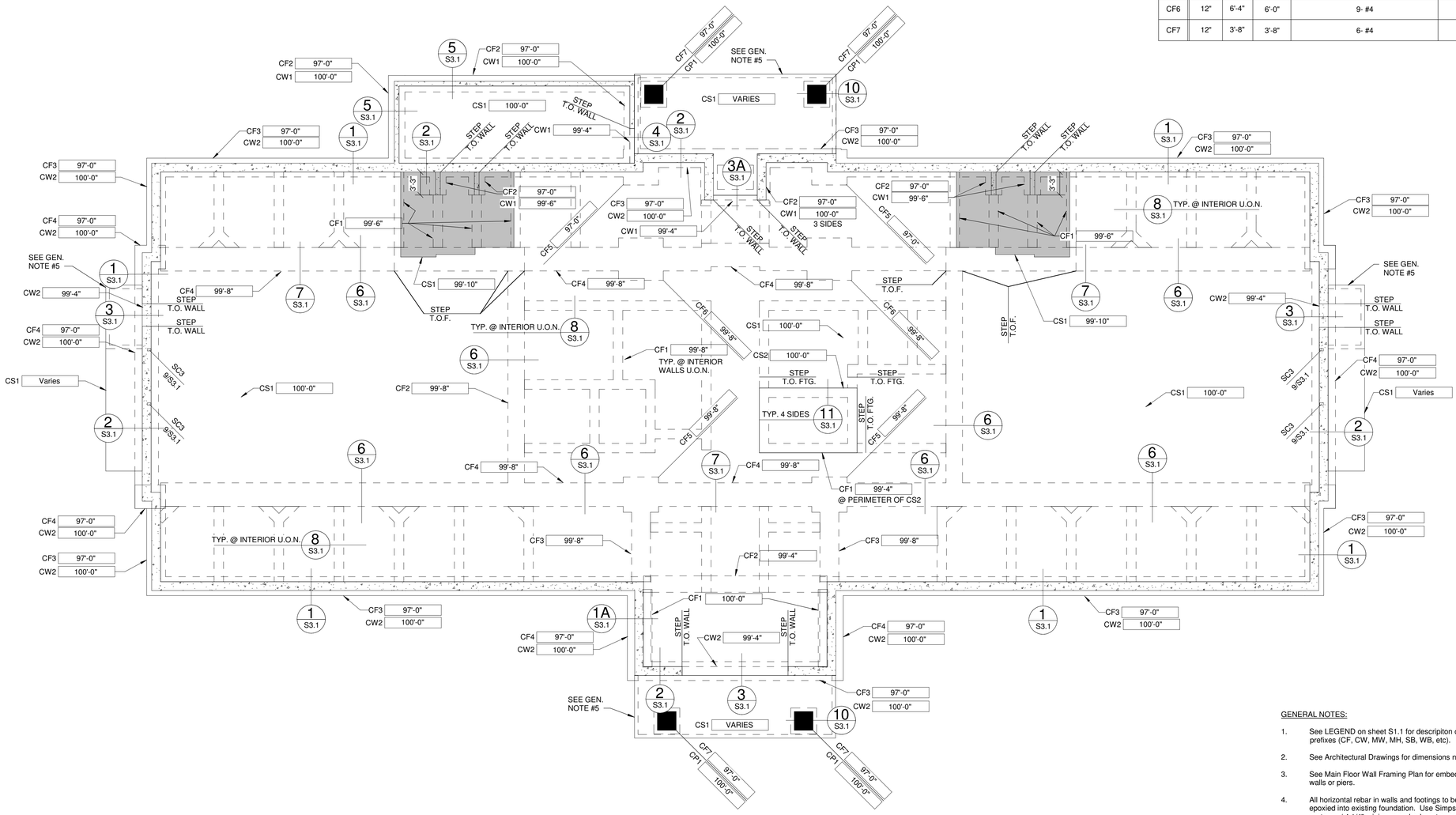
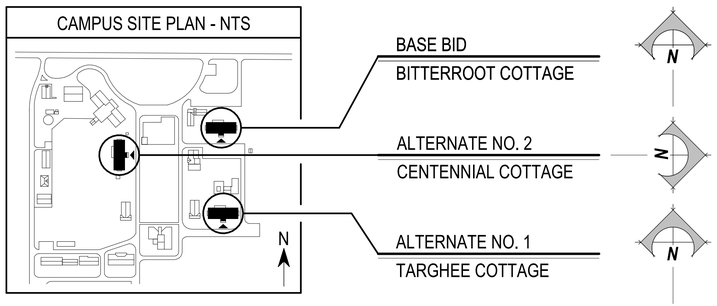
CONCRETE FOOTING SCHEDULE

( ) ON PLAN DENOTES TOP OF FOOTING (U.O.N.)

MARK	DEPTH	WIDTH	LENGTH	REINFORCEMENT	
				LONGITUDINAL	TRANSVERSE
CF1	10"	1'-4"	CONT.	2- #4	-
CF2	12"	2'-4"	CONT.	4- #4	-
CF3	12"	2'-8"	CONT.	4- #4	#4 @ 12" O.C.
CF4	12"	3'-4"	CONT.	5- #4	#4 @ 8" O.C.
CF5	12"	5'-0"	5'-0"	8- #4	8- #4
CF6	12"	6'-4"	6'-0"	9- #4	9- #4
CF7	12"	3'-8"	3'-8"	6- #4	6- #4





GENERAL NOTES:

1. See LEGEND on sheet S1.1 for descripiton of structural call out prefixes (CF, CW, MW, MH, SB, WB, etc).
2. See Architectural Drawings for dimensions not shown.
3. See Main Floor Wall Framing Plan for embeds @ top of concrete walls or piers.
4. All horizontal rebar in walls and footings to be drilled and epoxied into existing foundation. Use Simpson AT anchoring system w/ 4 1/4" minimum embedment or equivalent.
5. 36" deep CW3 frost wall around the concrete slab as indicated. Construct slab on grade over concrete frost wall, reference section 4/S3.1. Footing shown in section is not required. See architectural drawings for extents of frost wall.

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G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL: gs@gsengineers.net COPYRIGHT 2020
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ARCHITECTURE/PLANNING/INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8175 (F) 208.522.8176 (@) nbwarchitects.com

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
FOUNDATION PLAN

REVISIONS

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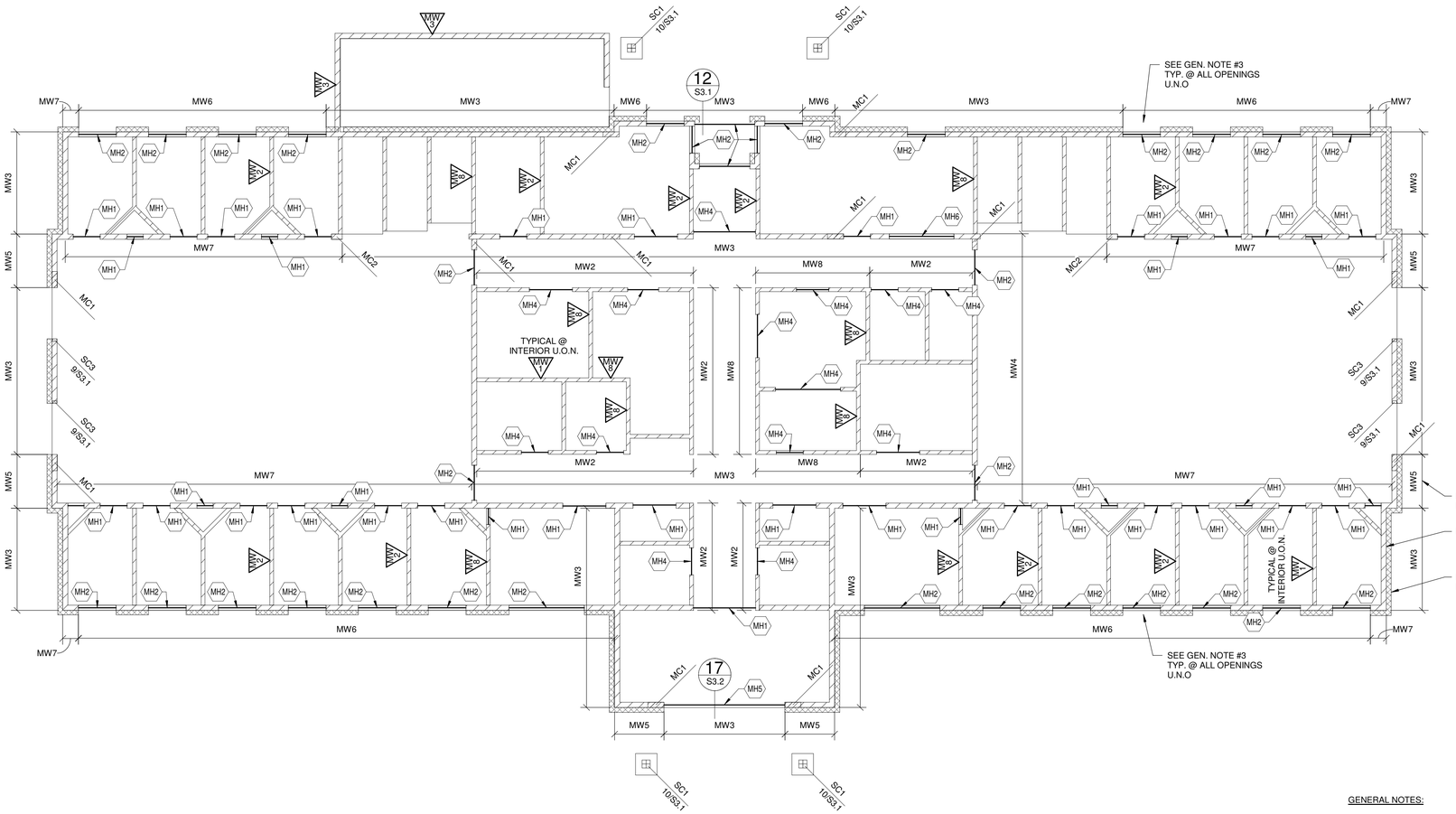
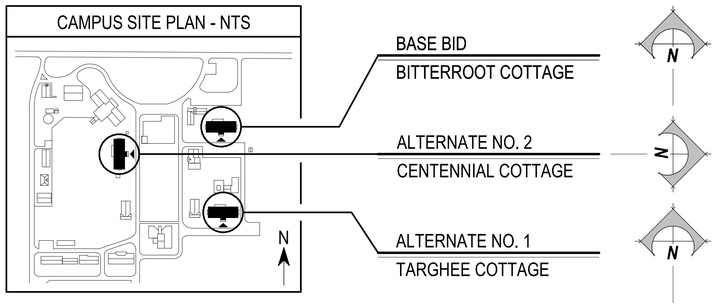


MAIN FLOOR WALL FRAMING PLAN

1/8" = 1'-0"



GENERAL NOTES:

1. See LEGEND on sheet S1.1 for descripiton of structural call out prefixes (CF, CW, MW, MH, SB, WB, etc).
2. See Architectural Drawings for dimensions not shown.
3. Unless noted otherwise provide a steel lintel per the "Non-load Bearing Architectural Veneer Header Schedule" on sheet S1.3 for the architectural veneer at all openings with veneer.

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G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL: gs@gsengineers.net COPYRIGHT 2020
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ARCHITECTURE/PLANNING/INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8775 (F) 208.522.8765 (@) nbwarchitects.com

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2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
MAIN FLOOR WALL FRAMING PLAN

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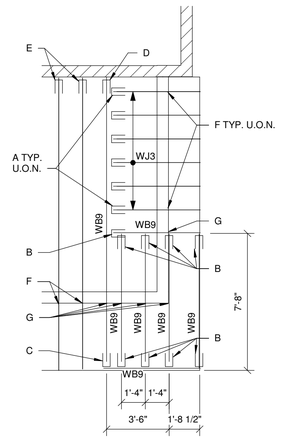
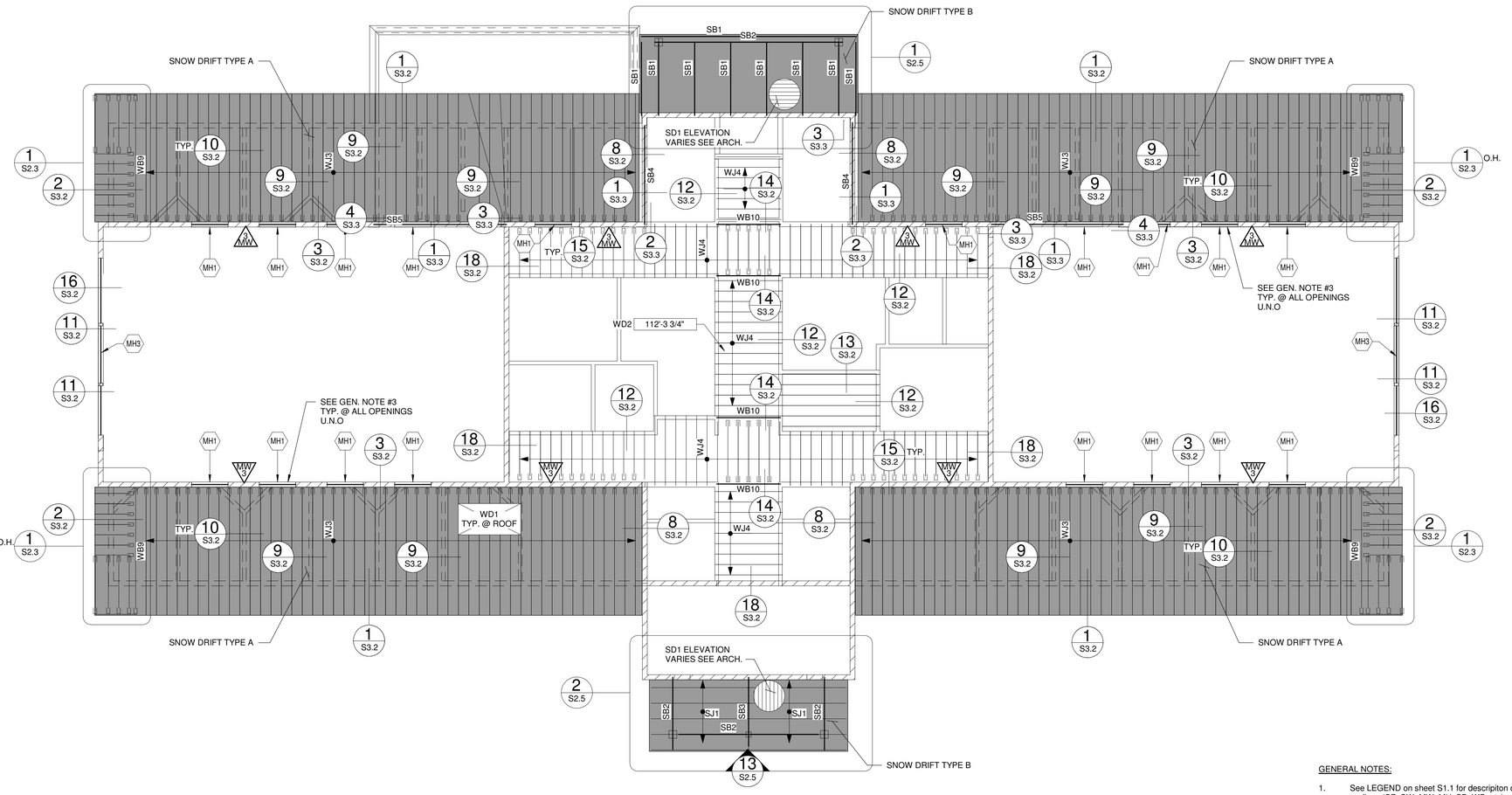
HANGER/STRAP SCHEDULE

MARK	SIMPSON HANGER/STRAP	FASTENERS	
		FACE	JOIST
A	IUS2.06/9.5	(8) 0.148x3" NAILS	(2) 0.148x1 1/2" NAILS W/ WEB STIFFENERS
B	(2) A34	(8) #9x1 1/2" SD SCREWS	(8) #9x1 1/2" SD SCREWS
C	(1) A34	(4) #9x1 1/2" SD SCREWS	(4) #9x1 1/2" SD SCREWS
D	LSSR1.81Z	(14) #9x1 1/2" SD SCREWS	(12) #9x1 1/2" SD SCREWS
E	LSSR2.1Z	(14) #9x1 1/2" SD SCREWS	(12) #9x1 1/2" SD SCREWS
F	H8	(5) 0.148x1 1/2" NAILS	(5) 0.148x1 1/2" NAILS W/ WEB STIFFENERS
G	H2.5A	(5) 0.131x2 1/2" NAILS	(5) 0.131x2 1/2" NAILS



SECTION
1/4" = 1'-0"

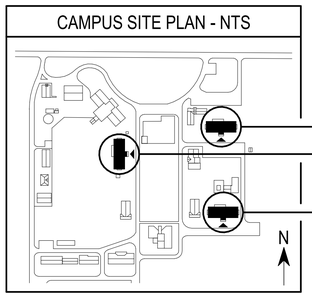


UPPER WALL, LOW ROOF & MEZZANINE FLOOR FRAMING PLAN
1/8" = 1'-0"

GENERAL NOTES:

1. See LEGEND on sheet S1.1 for descripiton of structural call out prefixes (CF, CW, MW, MH, SB, WB, etc).
2. See Architectural Drawings for dimensions not shown.
3. Unless noted otherwise provide a steel lintel per the "Non-load Bearing Architectural Veneer Header Schedule" on sheet S1.3 for the architectural veneer at all openings with veneer.

CAMPUS SITE PLAN - NTS



BASE BID
BITTERROOT COTTAGE

ALTERNATE NO. 2
CENTENNIAL COTTAGE

ALTERNATE NO. 1
TARGHEE COTTAGE

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G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL: gs6@gsengineers.net COPYRIGHT 2020
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DRAFTER: GH DESIGNER: MA CHECKER: FLW

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8765 (F) 208.522.8775 (@) nbwarchitects.com

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
UPPER WALL, LOWER ROOF & MEZZANINE FLOOR FRAMING PLAN

REVISIONS

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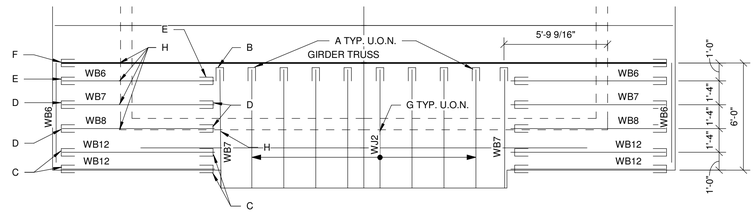
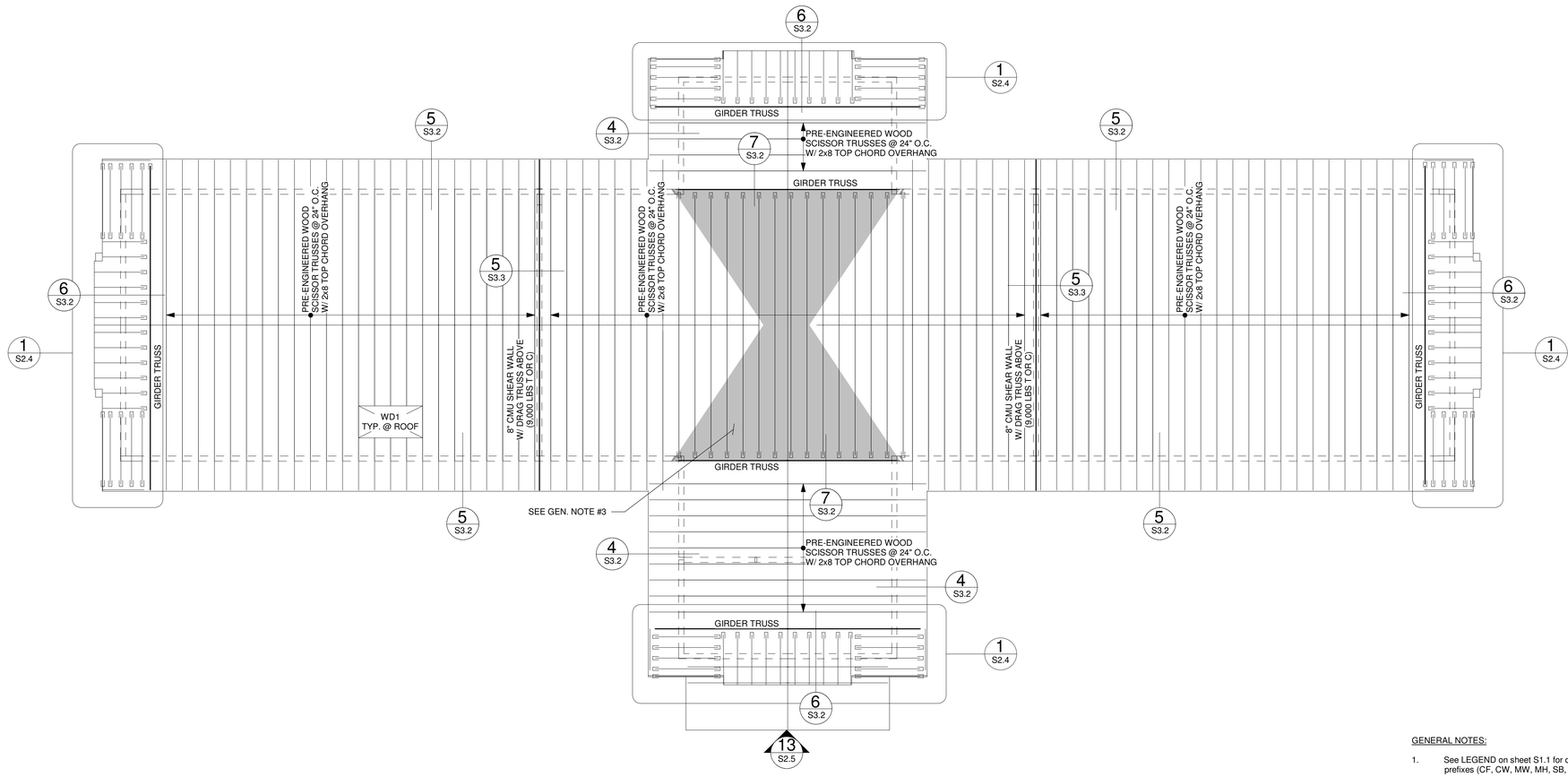
HANGER/STRAP SCHEDULE

MARK	SIMPSON HANGER/STRAP	FASTENERS	
		FACE	JOIST
A	LUS28	(6) 0.148x3" NAILS	(4) 0.148x3" NAILS
B	HUS48	(6) 0.162x3 1/2" NAILS	(6) 0.162x3 1/2" NAILS
C	LRU28Z	(6) #10x1 1/2" SD SCREWS	(5) #10x2 1/2" SD SCREWS
D	(4) A34	(16) #9x1 1/2" SD SCREWS	(16) #9x1 1/2" SD SCREWS
E	(2) A34	(8) #9x1 1/2" SD SCREWS	(8) #9x1 1/2" SD SCREWS
F	(1) A34	(4) #9x1 1/2" SD SCREWS	(4) #9x1 1/2" SD SCREWS
G	H2.5A	(5) 0.131x2 1/2" NAILS	(5) 0.131x2 1/2" NAILS
H	HTSM20	(4) 1/4x2 1/4" TITEN TURBO SCREWS INTO CMU	(10) 0.148x1 1/2" NAILS



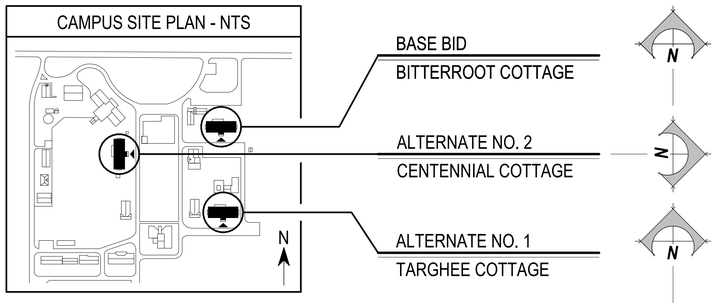
SECTION
1/4" = 1'-0"
1 / S2.4



UPPER ROOF FRAMING PLAN
1/8" = 1'-0"

GENERAL NOTES:

1. See LEGEND on sheet S1.1 for descripiton of structural call out prefixes (CF, CW, MW, MH, SB, WB, etc).
2. See Architectural Drawings for dimensions not shown.
3. Shaded area on plan indicates roof overbuild. See Typical Overbuild Detail 4/S1.3.



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G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL: gs@gsengineers.net COPYRIGHT 2020
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nbwarchitects p.a.
ARCHITECTURE/PLANNING/INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8775 (F) 208.522.8765 (@) nbwarchitects.com

PROJECT: DJC: ST. ANTHONY COTTAGES
DPW PROJECT NO. 21725
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE: UPPER ROOF FRAMING PLAN

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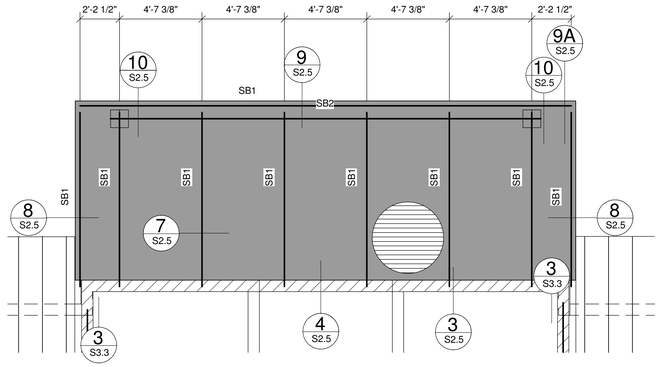
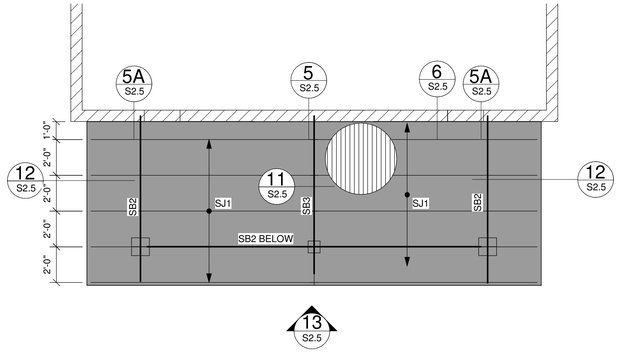
NBW PROJECT NO. 21023
DATE: DECEMBER 2022
DRAWN BY: GH
CHECKED BY: MA

DRAWING NO.: S2.4

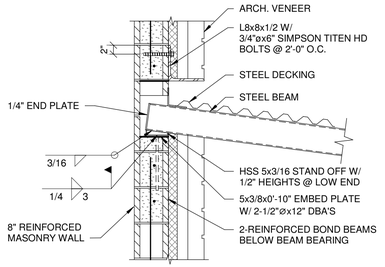
3/24/2023 9:26:26 AM C:\Users\Eric\Documents_Revit Local Files\202121193 JCC COTTAGES_Eric_GS.rvt



SECTION 1/4" = 1'-0" — 1 S2.5

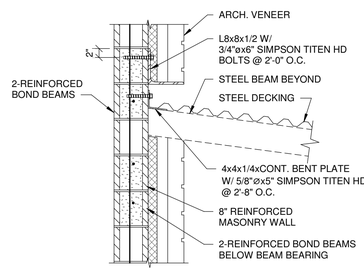


SECTION 1/4" = 1'-0" — 2 S2.5



NOTE:
LEDGER ANGLE CAN BE 8x8x3/8xCONT.
BENT PLATE AT CONTRACTORS OPTION.

SECTION 3/4" = 1'-0" — 3 S2.5



NOTE:
LEDGER ANGLE CAN BE 8x8x3/8xCONT.
BENT PLATE AT CONTRACTORS OPTION.

SECTION 3/4" = 1'-0" — 4 S2.5

1. EMBED PLATE TO BE 5x3/8x1'-4" @ 5A/S2.5.
2. LEDGER ANGLE CAN BE 8x8x3/8xCONT. BENT PLATE AT CONTRACTORS OPTION.

SECTION 3/4" = 1'-0" — 5 S2.5 AS SHOWN / 5A S2.5 AS NOTED

NOTE:
LEDGER ANGLE CAN BE 8x8x3/8xCONT.
BENT PLATE AT CONTRACTORS OPTION.

SECTION 3/4" = 1'-0" — 6 S2.5

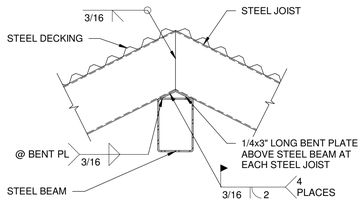
SECTION 3/4" = 1'-0" — 7 S2.5

SECTION 3/4" = 1'-0" — 8 S2.5

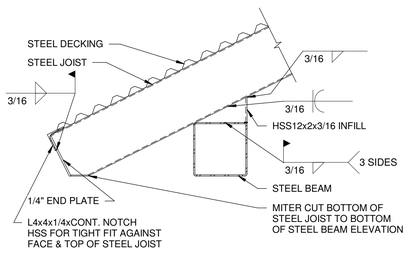
NOTE:
NO SUPPORTING STEEL BEAM AT 9A/S2.5 ONLY.

SECTION 3/4" = 1'-0" — 9 S2.5 AS SHOWN / 9A S2.5 AS NOTED

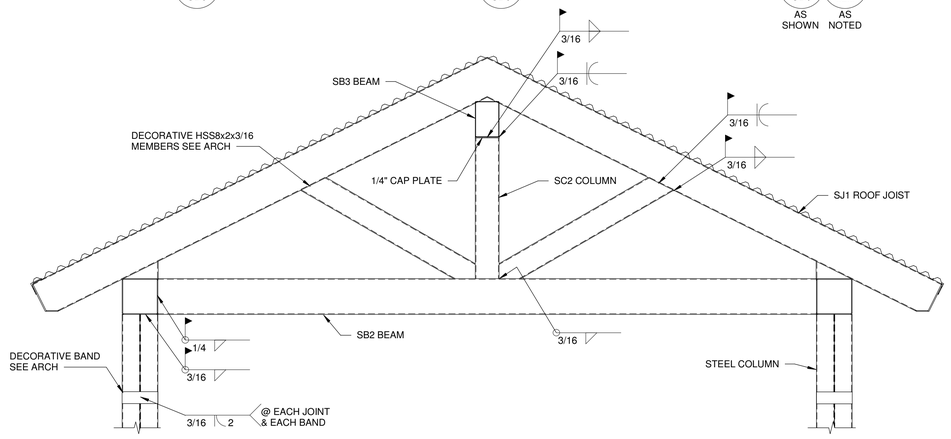
SECTION 3/4" = 1'-0" — 10 S2.5



SECTION 3/4" = 1'-0" — 11 S2.5



SECTION 3/4" = 1'-0" — 12 S2.5



SECTION 1/2" = 1'-0" — 13 S2.5

PROFESSIONAL ENGINEER REGISTERED 8816 3-24-2023 STATE OF IDAHO MARK D. ANDRUS

G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL: gs@gsengineers.net COPYRIGHT 2020
PROJECT NUMBER:21193
DRAFTER:GH DESIGNER:MA CHECKER:FLW

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ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8765 (F) 208.522.8779 (@) nbwarchitects.com

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
CANOPY ROOF FRAMING PLAN & SECTIONS

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
GH
CHECKED BY:
MA

DRAWING NO.:
S2.5

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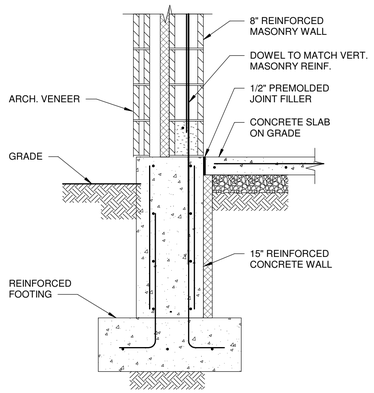
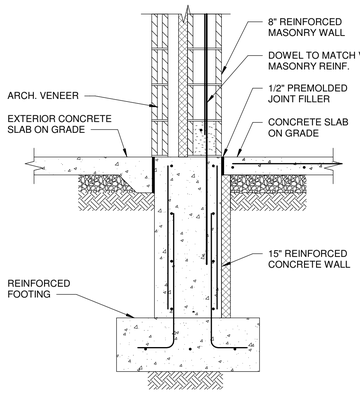
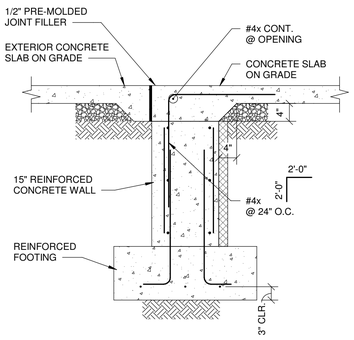


NOTE: THE CONCRETE SLAB IS TO BE THICKENED AT SECTION 1A/S3.1 ONLY. SEE FOUNDATION PLAN.

SECTION 1 S3.1 — 1A S3.1
3/4" = 1'-0" — AS SHOWN — AS NOTED

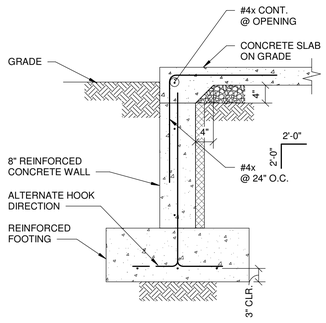


SECTION 2 S3.1
3/4" = 1'-0"

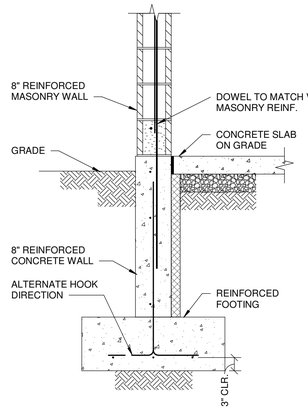


NOTE:
8" CONCRETE WALL THICKNESS AT SECTION 3A/S3.1 ONLY.
REFERENCE SECTION 4/S3.1.

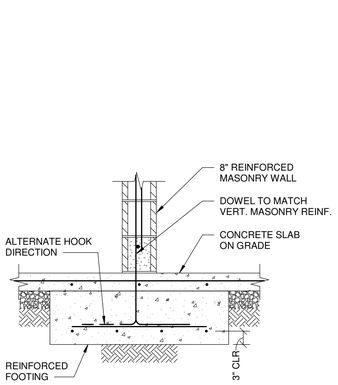
SECTION 3 S3.1 — 3A S3.1
3/4" = 1'-0" — AS SHOWN — AS NOTED



SECTION 4 S3.1
3/4" = 1'-0"

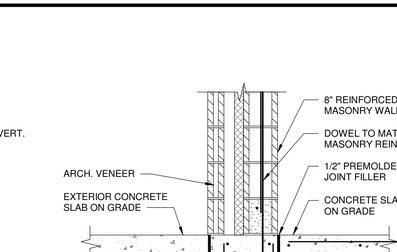


SECTION 5 S3.1
3/4" = 1'-0"

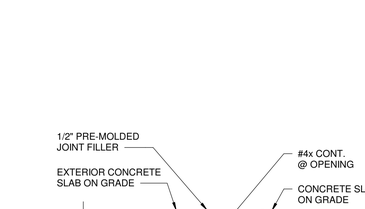


NOTE: AT CONTRACTOR'S OPTION THE MASONRY WALL TO FOOTING DOWELS CAN BE DRILLED & EPOXIED INTO FOOTING BELOW THE FLOOR SLAB. USE SIMPSON AT-XP ADHESIVE OR EQUAL WITH A MIN. 4 1/4" EMBEDMENT INTO THE FOOTING BELOW.

SECTION 6 S3.1
3/4" = 1'-0"

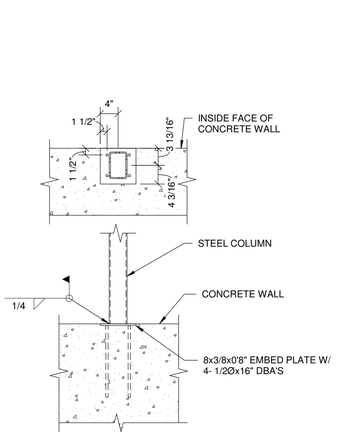


SECTION 7 S3.1
3/4" = 1'-0"

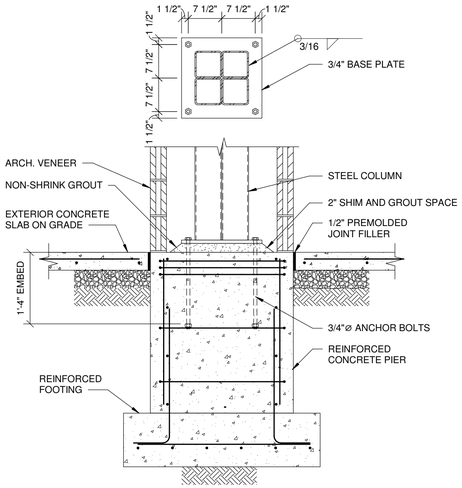


NOTE: AT CONTRACTOR'S OPTION THE MASONRY WALL TO FOOTING DOWELS CAN BE DRILLED & EPOXIED INTO FOOTING BELOW THE FLOOR SLAB. USE SIMPSON AT-XP ADHESIVE OR EQUAL WITH A MIN. 4 1/4" EMBEDMENT INTO THE FOOTING BELOW.

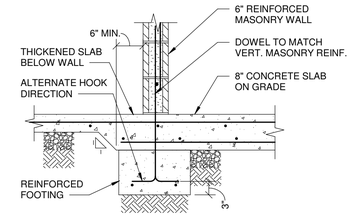
SECTION 8 S3.1
3/4" = 1'-0"



SECTION 9 S3.1
3/4" = 1'-0"

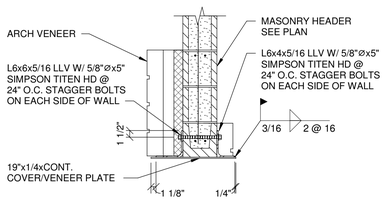


SECTION 10 S3.1
3/4" = 1'-0"



NOTE: AT CONTRACTOR'S OPTION THE MASONRY WALL TO FOOTING DOWELS CAN BE DRILLED & EPOXIED INTO FOOTING BELOW THE FLOOR SLAB. USE SIMPSON AT-XP ADHESIVE OR EQUAL WITH A MIN. 4 1/4" EMBEDMENT INTO THE FOOTING BELOW.

SECTION 11 S3.1
3/4" = 1'-0"



NOTE:
AT VENEER ANGLES PROVIDE 4" BEARING ON EACH SIDE OF OPENING

SECTION 12 S3.1
3/4" = 1'-0"

PROFESSIONAL ENGINEER REGISTERED 8816 3-24-2023 STATE OF IDAHO MARK D. ANDRUS

G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL: gs@gsengineers.net

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(P) 208.522.8765 (F) 208.522.8765 (@) nbwarchitects.com

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
STRUCTURAL FOUNDATION SECTIONS

REVISIONS

NBW PROJECT NO.
21023
DATE:
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MA

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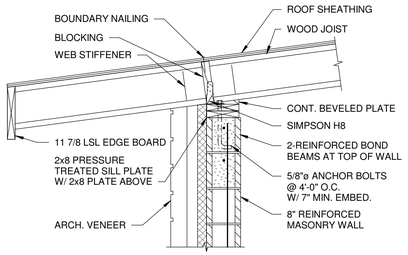

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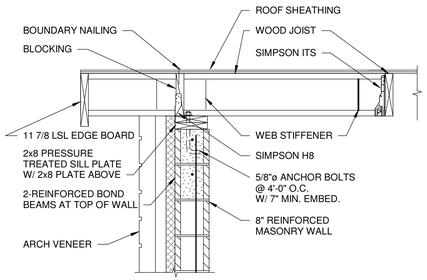

SECTION 2 S3.2
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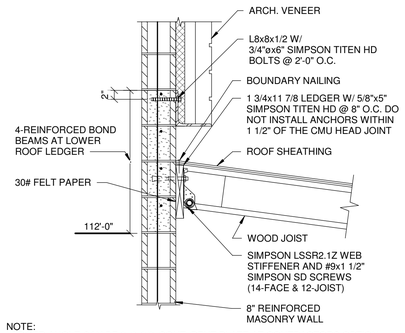
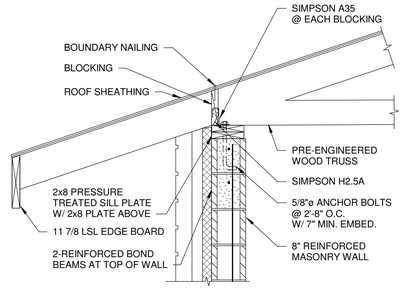
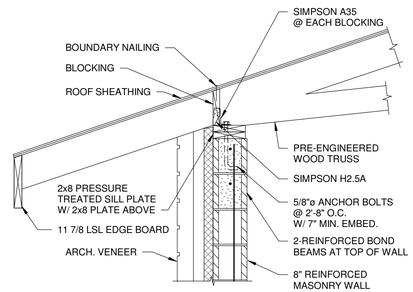


NOTE:
LEDGER ANGLE CAN BE 8x8x3/8xCONT. BENT PLATE AT CONTRACTORS OPTION.

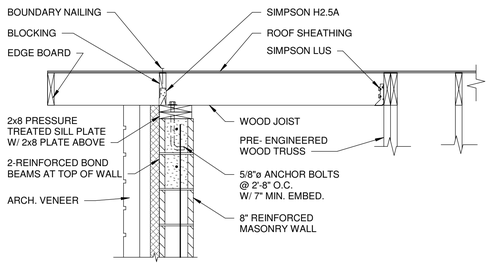
SECTION 3 S3.2
3/4" = 1'-0"



SECTION 4 S3.2
3/4" = 1'-0"



SECTION 5 S3.2
3/4" = 1'-0"



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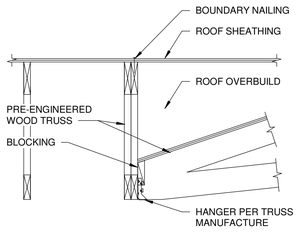
3/4" = 1'-0"



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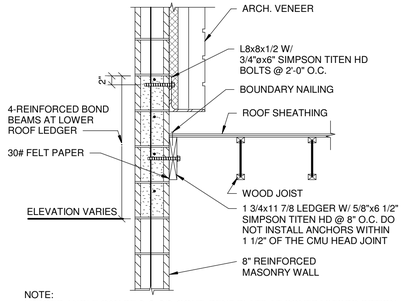
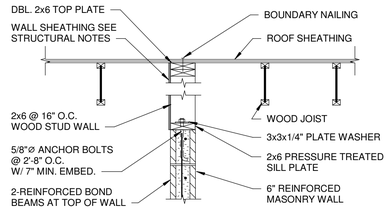
3/4" = 1'-0"

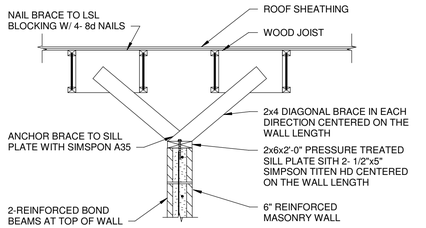


NOTE:
LEDGER ANGLE CAN BE 8x8x3/8xCONT. BENT PLATE AT CONTRACTORS OPTION.

SECTION 8 S3.2
3/4" = 1'-0"



SECTION 9 S3.2
3/4" = 1'-0"



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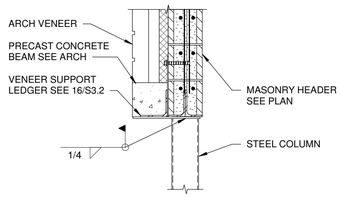
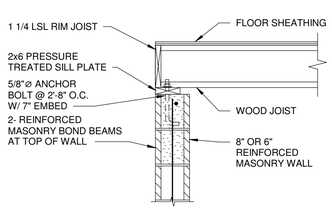
3/4" = 1'-0"



SECTION 11 S3.2
3/4" = 1'-0"



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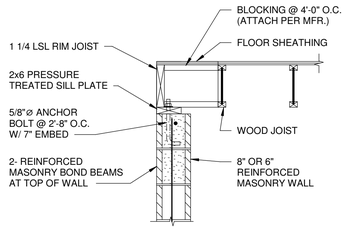
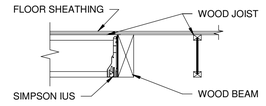


SECTION 13 S3.2
3/4" = 1'-0"



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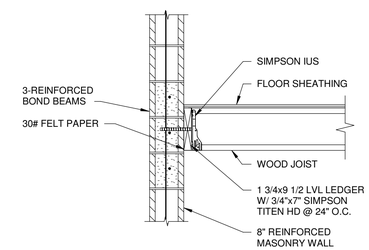
3/4" = 1'-0"



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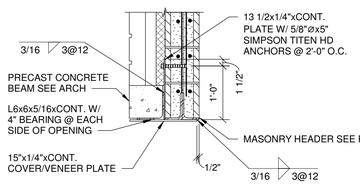

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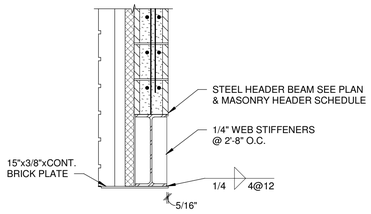

SECTION 17 S3.2
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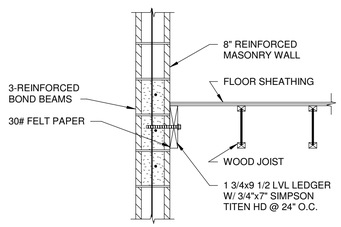

SECTION 18 S3.2
3/4" = 1'-0"

PROFESSIONAL ENGINEER REGISTERED 8816 3-24-2023 STATE OF IDAHO MARK D. ANDRUS

G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL: gs6@gsengineers.net

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ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8775 (F) 208.522.8765 (@) nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: STRUCTURAL ROOF & MEZZANINE SECTIONS

REVISIONS

NBW PROJECT NO. 21023
DATE: DECEMBER 2022
DRAWN BY: GH
CHECKED BY: MA

DRAWING NO.: S3.2

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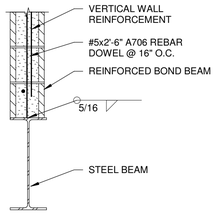
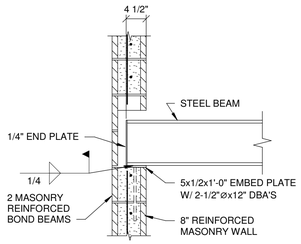


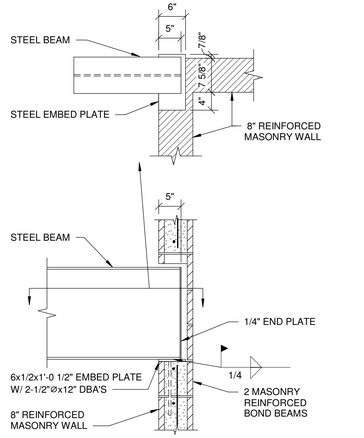
NOTE:
1. FLUSH INSIDE BEAM EDGE WITH INSIDE FACE OF MASONRY.

SECTION 1
3/4" = 1'-0" S3.3



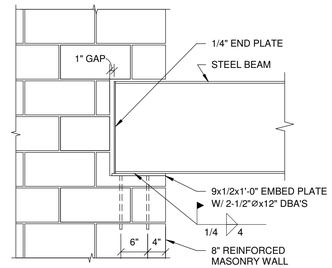
NOTE:
1. SEE PLAN FOR REINFORCED MASONRY COLUMN REQUIRMENTS.

SECTION 2
3/4" = 1'-0" S3.3



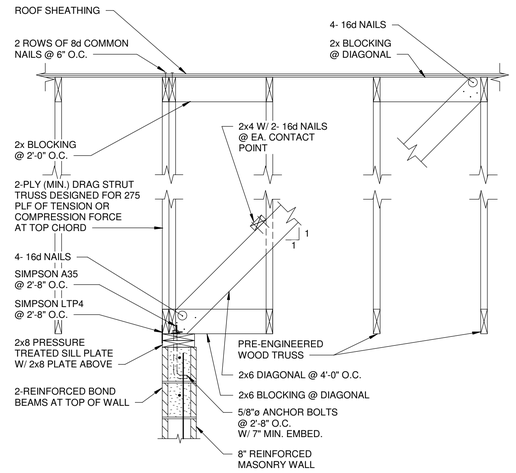
NOTE:
1. SEE PLAN FOR REINFORCED MASONRY COLUMN REQUIRMENTS.
2. BEAM SIZE VARIES, SEE PLAN.
3. ROTATE SECTION AND MIRROR TO MATCH PLAN.

SECTION 3
3/4" = 1'-0" S3.3



NOTE:
1. SEE PLAN FOR REINFORCED MASONRY COLUMN REQUIRMENTS.

SECTION 4
3/4" = 1'-0" S3.3



SECTION 5
3/4" = 1'-0" S3.3

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ARCHITECTURE/PLANNING/INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8175 (F) 208.522.8765 (@) nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

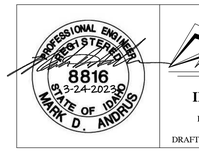
SHEET TITLE: STRUCTURAL SECTIONS

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
GH
CHECKED BY:
MA

DRAWING NO.:

S3.3



G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL: gs@gsengineers.net

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DRAFTER:GH DESIGNER:MA CHECKER:FLW

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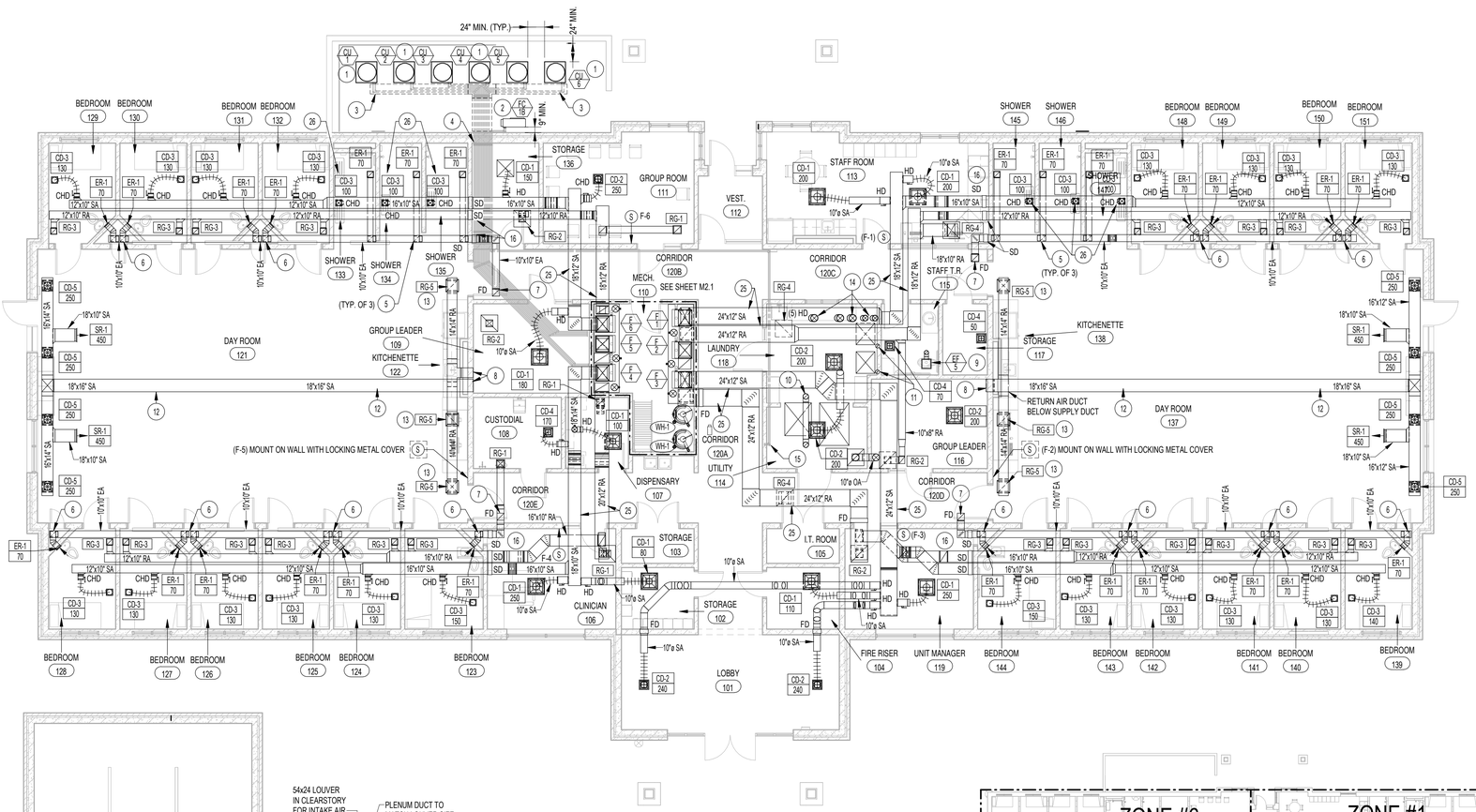
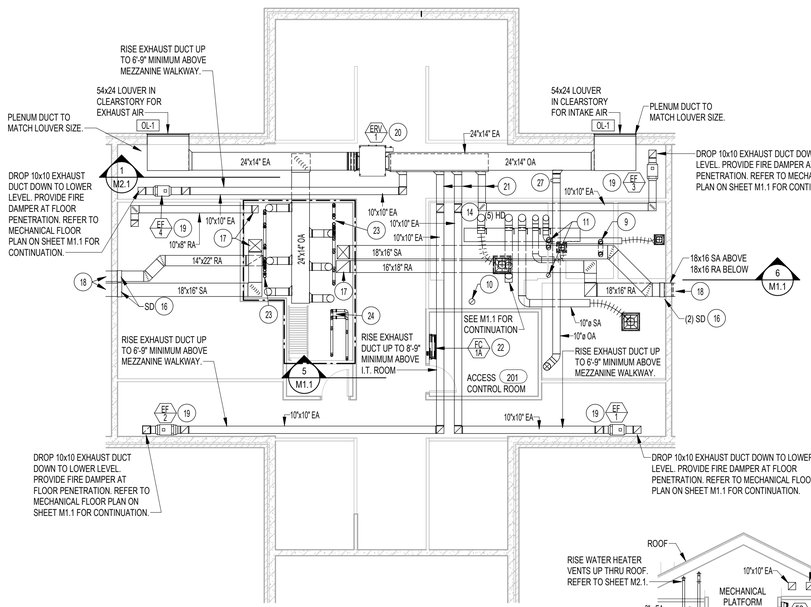


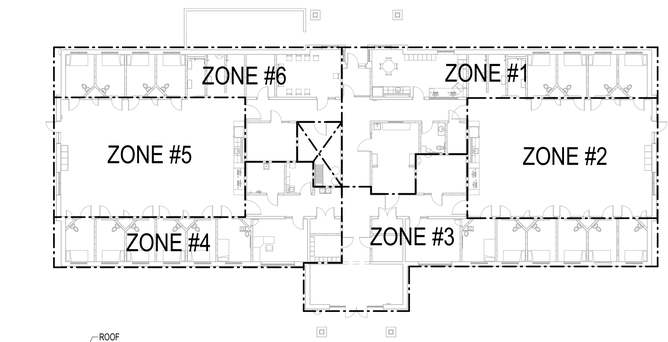
MECHANICAL FLOOR PLAN

SCALE: 1/8" = 1'-0"

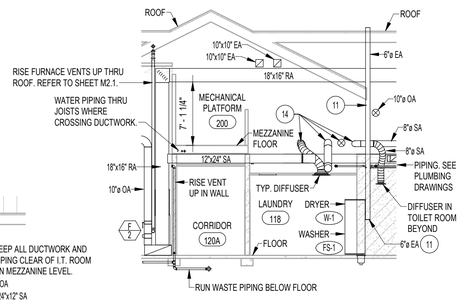


MECHANICAL MEZZANINE PLAN

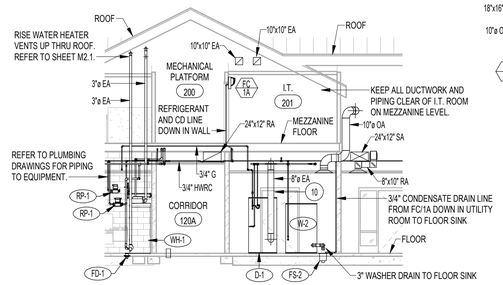
SCALE: 1/8" = 1'-0"



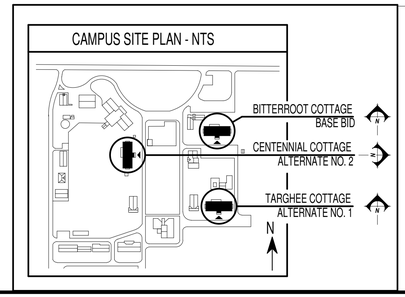
3 ZONNING PLAN
1" = 20'-0"



6 MECHANICAL SECTION 6
1/8" = 1'-0"



5 MECHANICAL SECTION 5
1/8" = 1'-0"



PLAN NOTES:

1. INSTALL CONDENSING UNIT AS SCHEDULED INSIDE MECHANICAL ENCLOSURE. PROVIDE CLEARANCE AROUND ALL UNITS AS INDICATED. MOUNT ON 1" THICK NEOPRENE PADS UNDER EACH CORNER. REFER TO REFRIGERANT PIPING DIAGRAM C/M3.2 FOR TYPICAL PIPING.
2. INSTALL MINI-SPLIT OUTDOOR UNIT IN MECHANICAL ENCLOSURE. MOUNT ON PUMP-UP PADS. DO NOT PLACE BELOW ROOF'S DRIP EDGE. COORDINATE UNIT LOCATION WITH GAS METER AND ELECTRICAL PANELS. RISE REFRIGERANT PIPING UP WITH OTHER PIPING AND RUN TO INDOOR UNIT LOCATED ON MEZZANINE LEVEL.
3. SUPPORT ALL REFRIGERANT PIPING FROM CONCRETE SLAB WITH UNISTRUT SUPPORTS. COVER ALL PIPING WITH PRE-FINISHED COVER. REFER TO REFRIGERANT PIPING SUPPORT AND COVER DETAILS H/M3.2 AND TO PIPING DIAGRAM C/M3.2. COVER COLOR TO BE CHOOSEN BY ARCHITECT.
4. RISE ALL REFRIGERANT PIPING INSIDE BUILDING TO ABOVE CEILINGS. REFER TO DETAIL G/M3.2 FOR TYPICAL INSTALLATION AND SUPPORT AT WALL PENETRATION. SEAL PIPE PENETRATIONS WATER TIGHT ON EXTERIOR AND INTERIOR OF BLOCK WALL. SEE ARCHITECTURAL DRAWINGS FOR SHELVING AROUND REFRIGERANT LINES.
5. DROP 8x8 EXHAUST DUCT DOWN AND RUN TO CEILING MOUNTED GRILLE. PROVIDE BALANCING DAMPER IN DUCT WITH CEILING QUADRANT CONTROL. FASTEN COVER WITH SECURITY SCREWS.
6. DROP 8x8 EXHAUST DUCT(S) DOWN IN PLUMBING CHASE AND CONNECT TO WALL MOUNTED EXHAUST GRILLE. PROVIDE MANUAL BALANCING DAMPER IN DUCT, INSIDE CHASE. COORDINATE WITH PIPING.
7. RISE EXHAUST DUCT UP THRU MEZZANINE FLOOR AND CONNECT TO FAN ABOVE. REFER TO MECHANICAL MEZZANINE PLAN. PROVIDE FIRE DAMPER AT FLOOR/CEILING FIRE RATED ASSEMBLY.
8. REFER TO MECHANICAL MEZZANINE PLAN (THIS SHEET) FOR CONTINUATION OF DUCTWORK.
9. INSTALL CEILING MOUNTED EXHAUST FAN AS SCHEDULED. RISE 6" Dia. DUCT UP THRU ROOF WITH ROOF CAP. DUCT TO PENETRATE ROOF AS CLOSE AS POSSIBLE TO RIDGE LINE. REFER TO DETAIL B/M3.1.
10. CONNECT 8" Dia. VENT TO DRYER AND RISE UP THRU ROOF WITH ROOF CAP. OFFSET VENT AROUND I.T. ROOM ABOVE. VENT TO PENETRATE ROOF AS CLOSE AS POSSIBLE TO RIDGE LINE. SEE TO DETAIL F/M3.1.
11. CONNECT 6" Dia. VENT TO STACKABLE WASHER/DRYER UNIT. RISE VENT UP THRU ROOF WITH ROOF CAP. VENT TO ROOF PENETRATION TO BE AS CLOSE AS POSSIBLE TO RIDGE LINE. REFER TO DETAIL H/M3.1.
12. RUN SUPPLY AIR DUCT ABOVE HIGH CEILING IN DAY ROOM. COORDIANTE DUCT LOCATION WITH ROOF TRUSSES.
13. MOUNT RETURN AIR GRILLES IN SOFFIT CEILING. COORDINATE ACTUAL GRILLE LOCATION WITH WALLS AND MILLWORK.
14. TYPICAL BALANCING DAMPER IN TOP OF DUCT. COORDINATE DAMPER LOCATIONS WITH OTHER DUCTWORK AND PIPING. PROVIDE SECURITY SCREWS ON ALL DAMPER COVER PLATES.
15. RISE REFRIGERANT PIPING UP AND CONNECT TO FAN COIL IN I.T. ROOM ABOVE. REFER TO MECHANICAL MEZZANINE PLAN (THIS SHEET).
16. PROVIDE SMOKE DAMPERS IN IN DUCTS AT ALL SMOKE WALL PENETRATIONS. REFER TO DETAIL J/M3.2.
17. DROP DUCTWORK DOWN INTO MECHANICAL ROOM BELOW. REFER TO LARGE SCALE PLAN ON SHEET M2.1 FOR CONNECTION TO FURNACE.
18. REFER TO MECHANICAL FLOOR PLAN FOR CONTINUATION.
19. MOUNT IN-LINE EXHAUST FAN ON MEZZANINE LEVEL. PROVIDE VIRBRATION ISOLATORS ON FAN AND FLEXIBLE CONNECTIONS FOR DUCTWORK. COORDINATE FAN LOCATION WITH STRUCTURE AND DUCTWORK. INSTALL CLOSE TO WALL AND LEAVE ACCESS IN WALKWAY. REFER TO DETAIL D/M3.3.
20. INSTALL ERV UNIT ON MEZZANINE WALKWAY WITH VIRBRATION ISOLATOR AT EACH CORNER. PROVIDE FLEXIBLE DUCT CONNECTIONS. COORDINATE ACTUAL LOCATION OF UNIT WITH DUCTWORK AND STRUCTURE TO ALLOW ACCESS ALL AROUND AND PASSED UNIT.
21. EXHAUST DUCTWORK AT MEZZANINE FLOOR LEVEL. LEAVE 18" MINIMUM SPACE BETWEEN DUCTS FOR ACCESS TO OTHER EQUIPMENT.
22. INSTALL INDOOR MINI-SPLIT UNIT ON WALL AS HIGH AS POSSIBLE. COORDINATE ACTUAL LOCATION WITH I.T. EQUIPMENT.
23. GATHER (2) 3" Dia. FURNACE VENTS FROM EACH FURNACE SYSTEM TOGETHER AND RISE UP THRU ROOF WITH CONCENTRIC TYPE FITTING. LOCATE ROOF PENETRATION NEAR PEAK OF ROOF AND SEAL WATER TIGHT. COORDINATE WITH ROOF STRUCTURE AND DUCTWORK.
24. GATHER (2) 4" Dia. WATER HEATER VENTS FROM EACH WATER HEATER TOGETHER AND RISE UP THRU ROOF WITH CONCENTRIC TYPE FITTING. LOCATE ROOF PENETRATION NEAR PEAK OF ROOF AND SEAL WATER TIGHT. COORDINATE WITH ROOF STRUCTURE AND DUCTWORK.
25. RUN DUCTWORK ABOVE CORRIDOR CEILINGS AND BELOW MEZZANINE FLOOR/CEILING ASSEMBLY. COORDINATE WITH LIGHTS AND PIPING.
26. PROVIDE MANUAL BALANCING DAMPER IN BRANCH DUCT WITH CEILING QUADRANT TYPE CONTROL. COVER DAMPER CONTROL WITH METAL PLATE WITH SECURITY SCREWS.
27. PROVIDE MOTORIZED DAMPER IN 10" ROUND MAKE-UP AIR FOR LAUNDRY ROOM. INTERLOCK DAMPER WITH DRYER OPERATION.

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ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8775 (F) 208.522.8795 (W) nbwarchitects.com

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
MECHANICAL FLOOR PLAN

PROFESSIONAL ENGINEER
DAVID L. HANSEN
P-18184
12/30/22
ESA Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 21063

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
M JENSEN
CHECKED BY:
D HANSEN

DRAWING NO.:
M1.1

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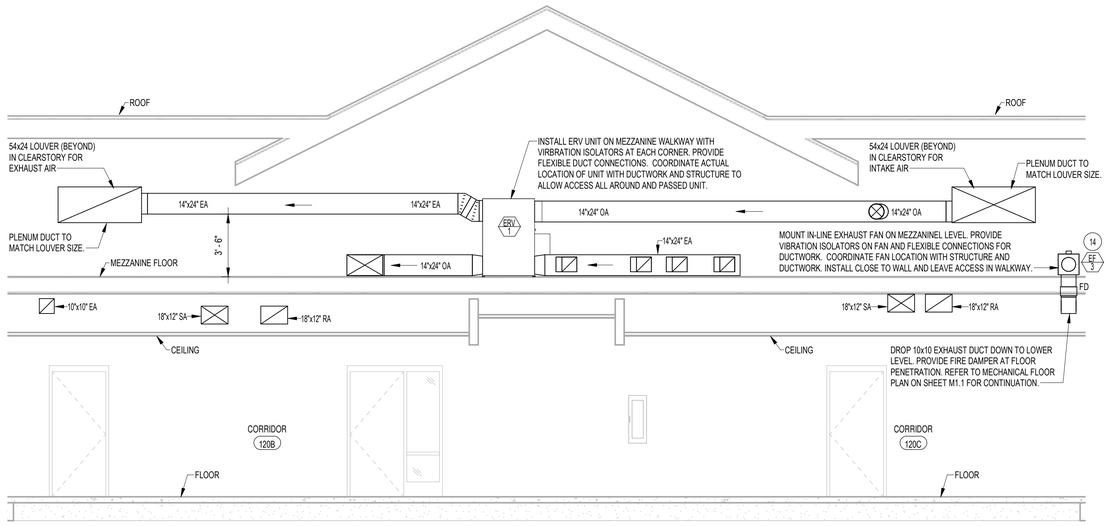
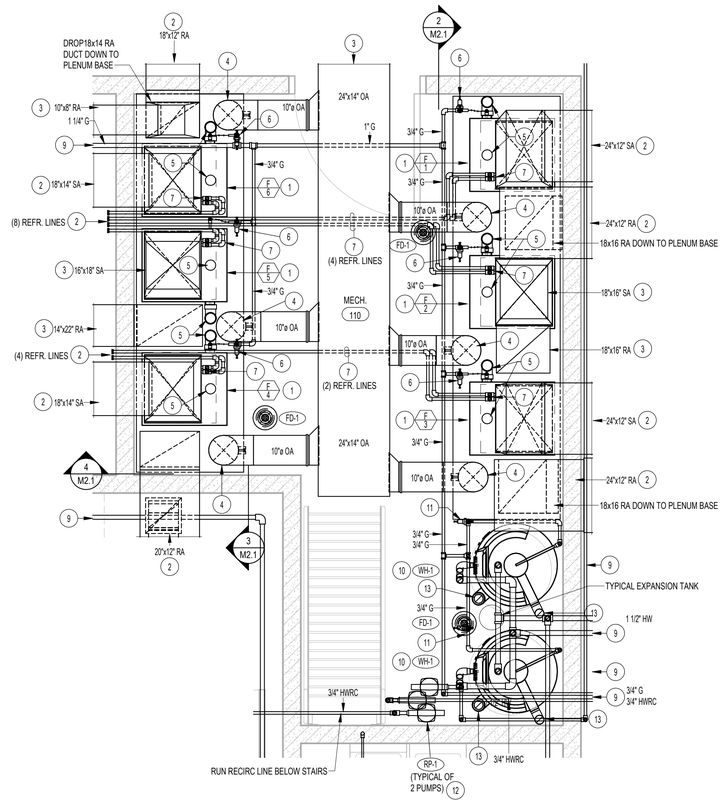


1 MECHANICAL SECTION 1
1/4" = 1'-0"

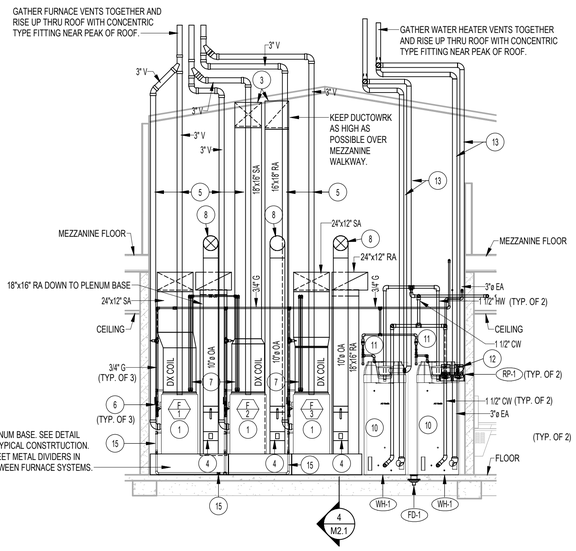


LARGE SCALE MECHANICAL ROOM

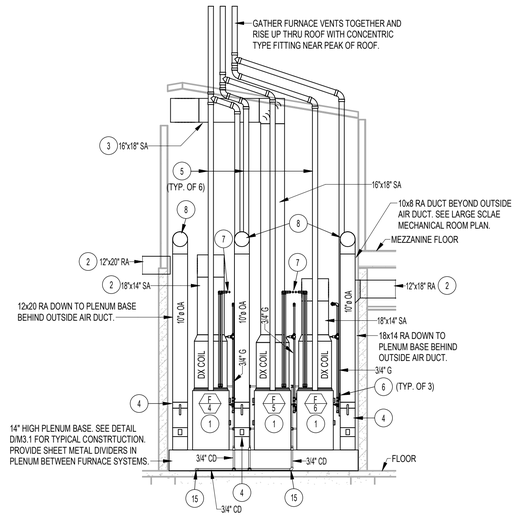
SCALE: 1/2" = 1'-0"

PLAN NOTES:

1. INSTALL GAS FIRED FURNACE AS SCHEDULED COMPLETE WITH DX COOLING COIL. MOUNT UNIT ON TOP OF 14"HIGH RETURN PLENUM. PROVIDE FULL SIZED OPENING IN BOTTOM OF FURNACE. REFER TO DETAIL D/M3.1 FOR TYPICAL CONSTRUCTION OF PLENUM BASE. REFER TO DETAIL L/M3.2 FOR TYPICAL FURNACE AND COIL PIPING CONNECTIONS. RUN 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN.
2. REFER TO MECHANICAL FLOOR PLAN ON SHEET M1.1 FOR CONTINUATION OF DUCTWORK AND REFRIGERANT PIPING.
3. REFER TO MECHANICAL MEZZANINE PLAN ON SHEET M1.1 FOR CONTINUATION OF DUCTWORK ABOVE.
4. DROP 10" Dia. OUTSIDE AIR DUCT DOWN IN FRONT OF RETURN DUCT AND CONNECT TO TOP OF RETURN AIR PLENUM. PROVIDE MOTORIZED DAMPER, DUCT ACCESS DOOR AND MANUAL BALANICNG DAMPER IN ROUND DUCT. BALANCE OUTSIDE AIR CFM AS INDICATED IN FURNACE SCHEDULE ON SHEET M3.3. REFER TO DETAIL C/M3.1 FOR TYPICAL DAMPER INSTALLATION. INTERLOCK MOTORIZED DAMPER WITH CORRESPONDING FURNACE AND BUILDING CONTROL SYSTEM.
5. RISE (2) 3" Dia. VENTS UP FROM EACH FURNACE. VENTS TO GATHER TOGETHER BEFORE EXTENDING UP THRU ROOF WITH CONCENTRIC FITTING. REFER TO MECHANICAL MEZZZANINE PLAN ON SHEET M1.1 FOR CONTINUATION OF VENTS. REFER TO DETAIL K/M3.2 FOR TYPICAL VENTS THRU ROOF.
6. CONNECT 3/4" GAS LINE TO EACH FURNACE WITH PRESSURE REGULATOR, SHUT-OFF VALVE, AND FLEXIBLE HOSE. REFER TO DETAIL J/P3.1 FOR TYPICAL GAS LINE CONNECTION.
7. COORDINATE REFRIGERANT PIPING ROUTES WITH DUCTWORK AND OTHER PIPING. DROP LINES DOWN AT EACH FURNACE AND CONNECT AS RECOMMENDED BY MANUFACTURER. REFER TO REFRIGERANT PIPING DIAGRAM C/M3.2 FOR TYPICAL PIPING CONNECTIONS.
8. KEEP OUTSIDE AIR DUCT UP ABOVE VENTS, OTHER DUCTWORK AND PIPING. REFER TO MECHANICAL MEZZANINE PLAN ON SHEET M1.1 FOR CONTINUATION OF OUTSIDE AIR DUCTWORK TO ERV UNIT.
9. REFER TO SHEET P1.1 FOR CONTINUATION OF PIPING. PIPING TO COORDINATE WITH DUCTWORK AND MECHANICAL EQUIPMENT.
10. INSTALL GAS FIRE WATER HEATER AS SCHEDULED. COORDINATE INSTALLATION WITH FURNACES AND DUCTWORK. ENSURE CLEAR PATH FOR REMOVAL OF WATER HEATERS IN THE FUTURE. REFER TO PIPING DIAGRAM M/3.1 FOR TYPICAL PIPING CONNECTIONS TO WATER HEATERS. PROVIDE VALVES, THERMOMETERS, EXPANSION TANK, ETC. AS INDICATED IN DIAGRAM.
11. CONNECT 3/4" GAS LINE TO EACH WATER HEATER WITH PRESSURE REGULATOR, SHUT-OFF VALVE AND FLEXIBLE HOSE. REFER TO DETAIL J/P3.1 FOR TYPICAL GAS LINE CONNECTION. DO NOT COMBINE WATER HEATERS TO SINGLE REGULATOR.
12. INSTALL HOT WATER RECIRC PUMP AS SCHEDULED. CONNECT TO RECIRC PIPING AND CONTROL WITH STRAP-ON AQUASTAT. REFER TO PIPING DIAGRAM M/P3.1 FOR TYPICAL INSTALLATION. PROVIDE FITTINGS AND ISOLATION VALVES AS INDICATED IN DIAGRAM.
13. RISE (2) 3" Dia. VENTS UP FROM EACH WATER HEATER. VENTS TO GATHER TOGETHER BEFORE EXTENDING UP THRU ROOF WITH CONCENTRIC FITTING. REFER TO MECHANICAL MEZZANINE PLAN ON SHEET M1.1 FOR CONTINUATION OF VENTS. REFER TO DETAIL K/M3.2 FOR TYPICAL VENTS THRU ROOF.
14. MOUNT IN-LINE EXHAUST FAN ON MEZZANINE LEVEL. PROVIDE VIBRATION ISOLATORS ON FAN AND FLEXIBLE CONNECTIONS FOR DUCTWORK. COORDINATE FAN LOCATION WITH STRUCTURE AND DUCTWORK. INSTALL CLOSE TO WALL AND LEAVE ACCESS IN WALKWAY.
15. COLLECT 3/4" CONDENSATE DRAIN LINES FROM EACH FURNACE. RUN TO FLOOR DRAIN. DO NOT CROSS EQUIPMENT ACCESS PANELS WITH DRAIN LINES. REFER TO DETAIL L/M3.2 FOR TYPICAL FURNACE PIPING CONNECTIONS.



2 MECHANICAL SECTION 2
1/4" = 1'-0"



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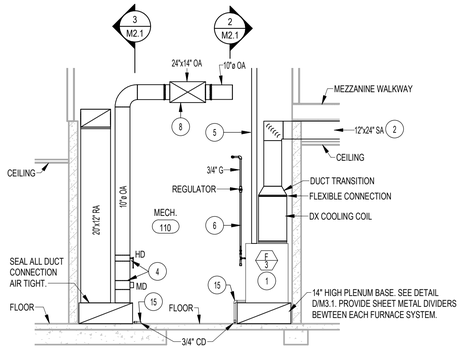
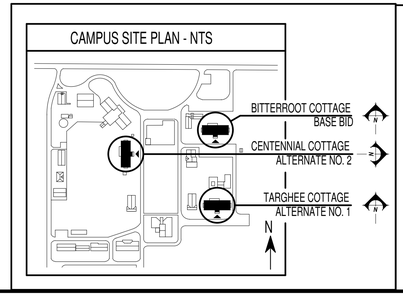
1/4" = 1'-0"



4 MECHANICAL SECTION 4
1/4" = 1'-0"

CAMPUS SITE PLAN - NTS



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ARCHITECTURE/PLANNING/INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8795 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: LARGE SCALE MECHANICAL ROOM

DAVID L. HANSEN
P-18184
12/30/22
STATE OF IDAHO
PROFESSIONAL ENGINEER

Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 21063

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
M JENSEN
CHECKED BY:
D HANSEN

DRAWING NO.:
M2.1

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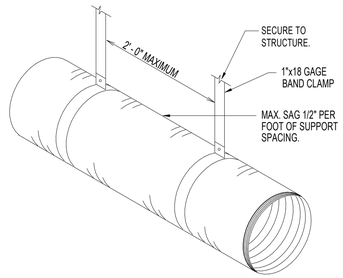
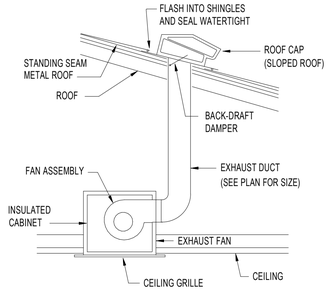
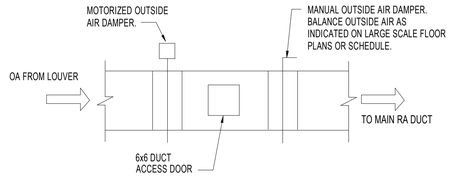


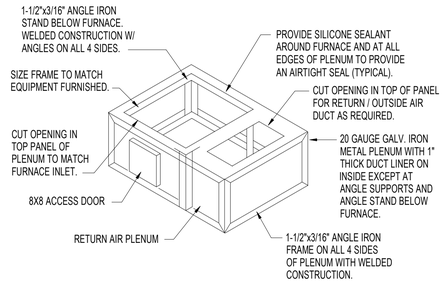
A FLEXIBLE DUCT SUPPORT DETAIL — NO SCALE



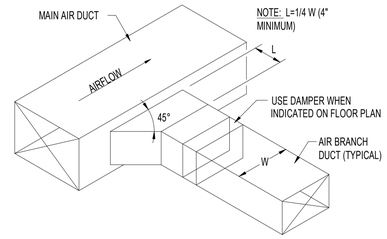
B CEILING MOUNTED EXHAUST FAN DETAIL — NO SCALE



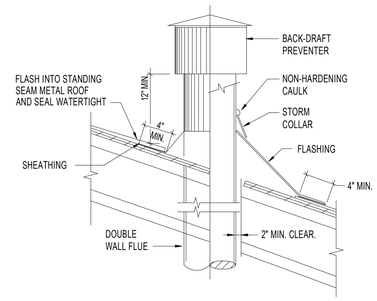
C TYPICAL OUTSIDE AIR DUCT DAMPERS — NO SCALE



D RETURN AIR PLENUM BASE DETAIL — NO SCALE



E RECTANGULAR DUCT CONNECTION DETAIL — NO SCALE



F DRYER VENT THRU ROOF DETAIL — NO SCALE

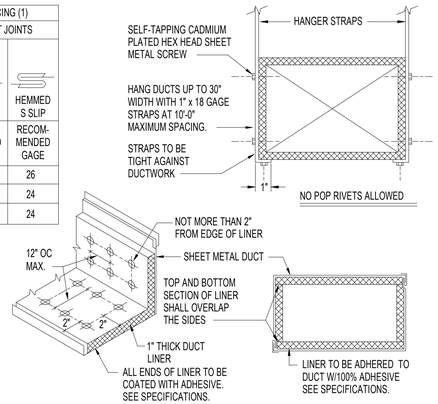
DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FOUR SIDES)	TRANSVERSE REINFORCING (1) MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS &/OR INTERMEDIATE REINFORCING	AT JOINTS: DRIVE SLIP	AT JOINTS: HEMMED S SLIP
			RECOM-MENDED GAGE	RECOM-MENDED GAGE
UP THRU 12	26	NONE REQUIRED	26	26
13 - 18	24	NONE REQUIRED	24	24
19 - 30	24	1"x1"x1/8" @ 60 IN	-	24

(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

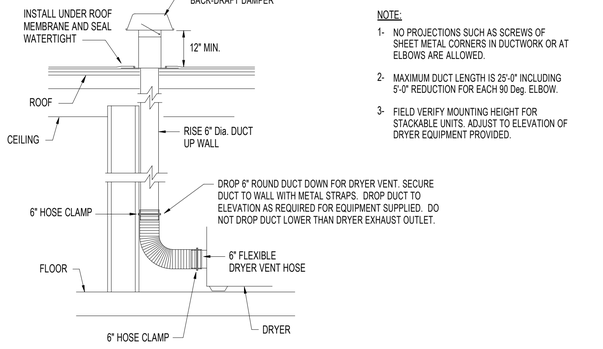
METAL FASTENERS - OMARK INSULPINS, DURO DYNE FASTENERS OR GRIPNAILS.

GRIP NAILS SHALL BE INSTALLED BY GRIPNAIL AIR HAMMER OR BY AUTOMATIC FASTENER EQUIP.

ENDS OF LINER SHALL BE BUTTED FIRMLY TOGETHER



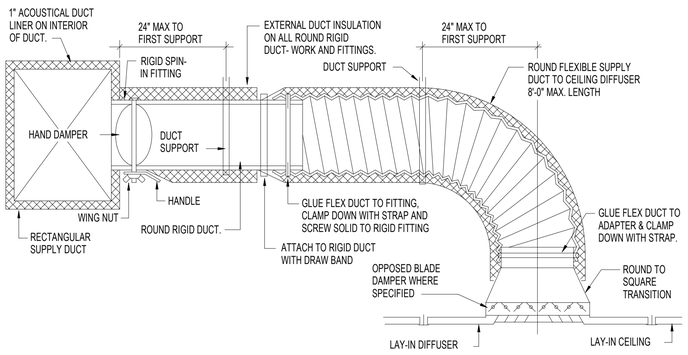
G DUCT CONSTRUCTION AND HANGER DETAILS — NO SCALE



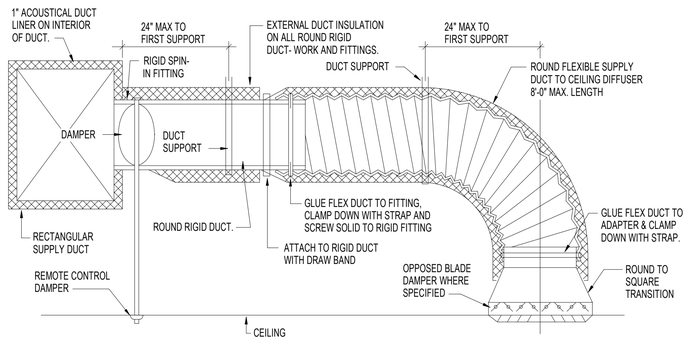
NOTE:
1- NO PROJECTIONS SUCH AS SCREWS OF SHEET METAL CORNERS IN DUCTWORK OR AT ELBOWS ARE ALLOWED.
2- MAXIMUM DUCT LENGTH IS 25'-0" INCLUDING 5'-0" REDUCTION FOR EACH 90 Deg. ELBOW.
3- FIELD VERIFY MOUNTING HEIGHT FOR STACKABLE UNITS. ADJUST TO ELEVATION OF DRYER EQUIPMENT PROVIDED.

H DRYER VENT THRU ROOF DETAIL FOR STACKABLE DRYERS — NO SCALE

J FILTER SECTION DETAIL — NO SCALE



K CEILING DIFFUSER WITH BALANCING DAMPER ABOVE CEILING — NO SCALE



L CEILING DIFFUSER WITH CEILING QUADRANT BALANCING DAMPER — NO SCALE

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ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8795 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: MECHANICAL DETAILS

Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 21063

PROFESSIONAL ENGINEER — DAVID L. HANSEN — P-18184 — 12/30/22 — STATE OF IDAHO

REVISIONS

NBW PROJECT NO. 21023
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DRAWN BY: M JENSEN
CHECKED BY: D HANSEN

DRAWING NO.: M3.1

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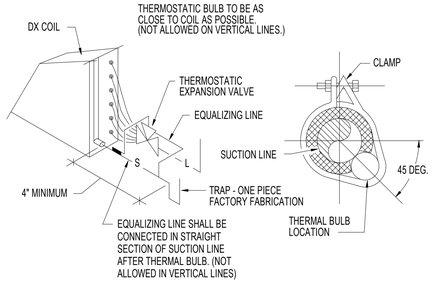
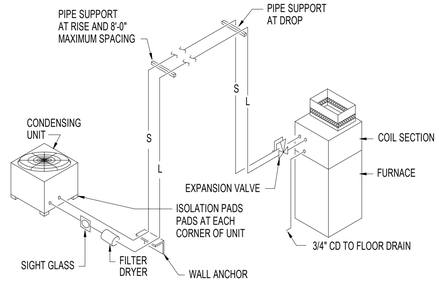
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FLEXIBLE CONNECTION		REFRIGERANT SHUT-OFF VALVE
	FILTER DRYER		EXPANSION VALVE
	ROOF PENETRATION		MOISTURE INDICATING SIGHT GLASS
	EXTERIOR PIPE SUPPORT	L	LIQUID LINE
	WALL ANCHOR	S	SUCTION LINE
	SUSPENDED PIPE SUPPORT		TRAP - ONE PIECE FACTORY FABRICATED
	CONDENSING UNIT		DX COOLING COIL

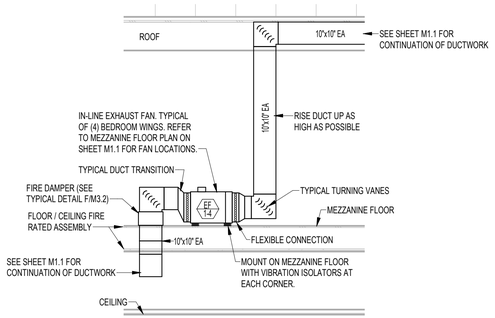
A REFRIGERANT PIPING LEGEND — NO SCALE



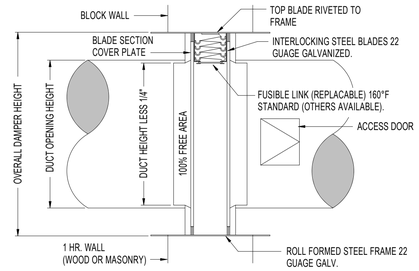
B REFRIGERANT COIL CONNECTION DETAIL — NO SCALE



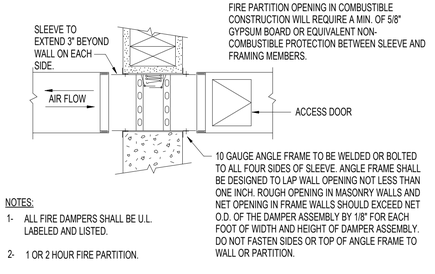
C REFRIGERANT PIPING DIAGRAM — NO SCALE



D IN-LINE EXHAUST FAN DETAIL — NO SCALE

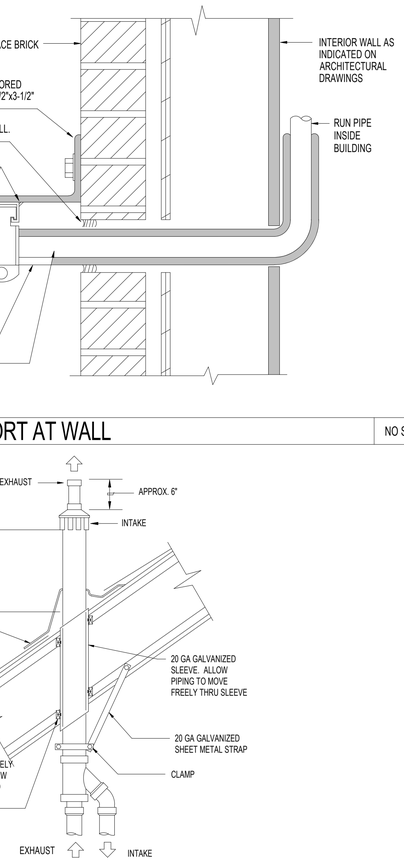


E ROUND DUCT FIRE DAMPER DETAIL — NO SCALE



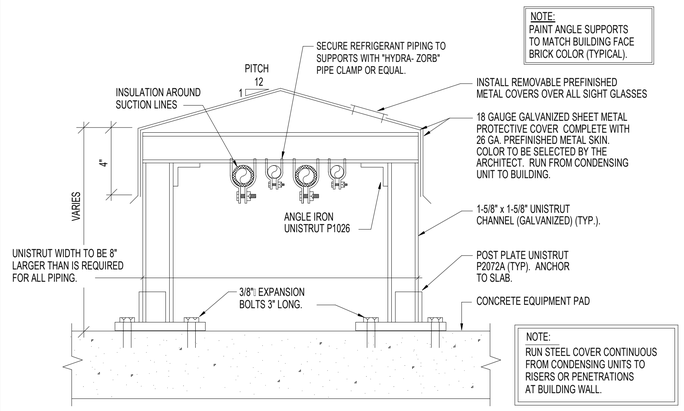
NOTES:
1- ALL FIRE DAMPERS SHALL BE U.L. LABELED AND LISTED.
2- 1 OR 2 HOUR FIRE PARTITION.

F RECANGULAR DUCT FIRE DAMPER DETAIL — NO SCALE

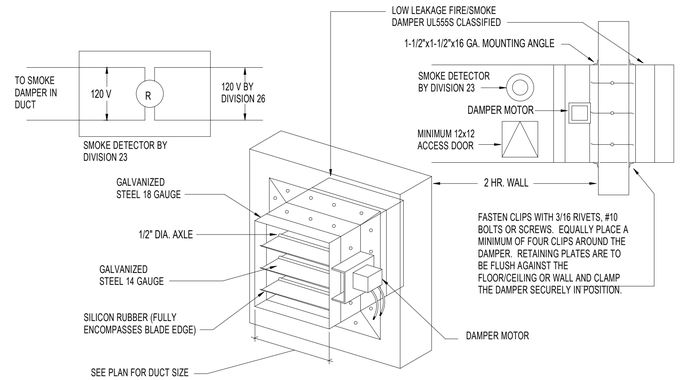


NOTE:
LIQUID LINE SIMILAR

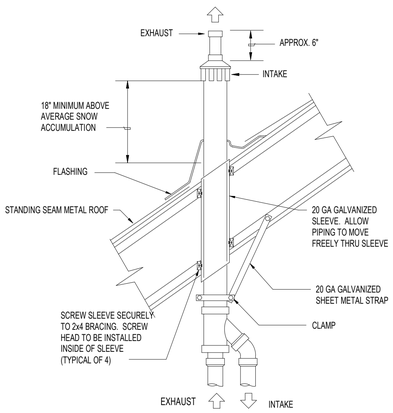
G REFRIGERANT PIPE SUPPORT AT WALL — NO SCALE



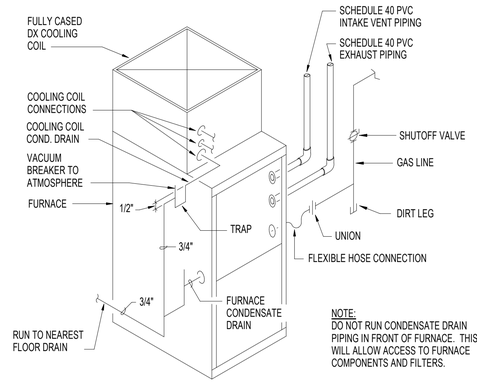
H REFRIGERANT PIPE SUPPORT AND COVER DETAIL — NO SCALE



J RECTANGULAR DUCT SMOKE DAMPER DETAIL — NO SCALE



K CONCENTRIC VENT TERMINATION DETAIL — NO SCALE



L FURNACE PIPING DIAGRAM — NO SCALE

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900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8779 (F) 208.522.8785 (W) nbwarchitects.com

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PROFESSIONAL ENGINEER — 18184 — 12/30/22 — STATE OF IDAHO — DAVID L. HANSEN

Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 21063

REVISIONS

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M3.2

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MECHANICAL LEGEND

SYMBOL	DESCRIPTION (NOT ALL SYMBOLS MAY BE USED)
AFF	ABOVE FINISHED FLOOR
CHD	HAND DAMPER WITH CEILING QUADRANT CONTROL
EA	EXHAUST AIR
FD	FIRE DAMPER
HD	HAND DAMPER
L	LIQUID LINE (REFRIGERANT PIPING)
OA	OUTSIDE AIR
RA	RETURN AIR
REFR	REFRIGERANT
SA	SUPPLY AIR
S	SUCTION LINE (REFRIGERANT PIPING)
VFD	VARIABLE FREQUENCY DRIVE
(S)	REMOTE SENSOR
(T)	ELECTRONIC THERMOSTAT
1	PLAN NOTE
EF 1	EQUIPMENT SYMBOL
CD	CONDENSATE DRAIN LINE
	GATE VALVE
	BALL VALVE
	CHECK VALVE
	GAS PRESSURE REGULATOR
	PIPE DROP
	PIPE RISE
L	REFRIGERANT LIQUID LINE
S	REFRIGERANT SUCTION LINE
	LOCAL ATC PANEL
	CONDENSING UNIT
	FURNACE OR FAN COIL UNIT
	ELECTRIC WALL HEATER
	CEILING MOUNTED EXHAUST FAN WITH 6" Dia. DUCT
	IN-LINE EXHAUST FAN
	SIDEWALL REGISTER (SUPPLY AIR)
	SIDEWALL REGISTER (RETURN OR EXHAUST AIR)
HD	HAND DAMPER
FD	FIRE DAMPER AND ACCESS
MD	MOTORIZED DAMPER
	BRANCH DUCT WITH SHOE TYPE FITTING
	BRANCH DUCT WITH BALANCING DAMPER
	TURNING VANES
	DUCT TRANSITION

FURNACE SCHEDULE

SYMBOL	TYPE	DESIGN CFM	O.A. CFM	SP. E	H.P.	CHAR.	BTU RATINGS INPUT	BTU RATINGS OUTPUT	EAT	LAT	GAS LINE SIZE	VENT	GAS TYPE	REMARKS *
F 1	UP-FLOW	1940	550	.75"	1	120/60/1	110,000	106,000	65 Deg. F	107 Deg. F	3/4"	(2) 3" Dia.	NAT.	LENNOX MODEL ML195UH110XP60C WITH MATCHING 5 TON DX COOLING COIL
F 2	UP-FLOW	1900	400	.75"	1	120/60/1	110,000	106,000	65 Deg. F	108 Deg. F	3/4"	(2) 3" Dia.	NAT.	LENNOX MODEL ML195UH110XP60C WITH MATCHING 5 TON DX COOLING COIL
F 3	UP-FLOW	1650	550	.75"	1/2	120/60/1	110,000	105,000	65 Deg. F	110 Deg. F	3/4"	(2) 3" Dia.	NAT.	LENNOX MODEL ML195UH110XP48C WITH MATCHING 4 TON DX COOLING COIL
F 4	UP-FLOW	1400	550	.75"	1/2	120/60/1	110,000	105,000	65 Deg. F	110 Deg. F	1/2"	(2) 3" Dia.	NAT.	LENNOX MODEL ML195UH110XP48C WITH MATCHING 4 TON DX COOLING COIL
F 5	UP-FLOW	1900	400	.75"	1	120/60/1	110,000	106,000	65 Deg. F	108 Deg. F	1/2"	(2) 3" Dia.	NAT.	LENNOX MODEL ML195UH110XP60C WITH MATCHING 5 TON DX COOLING COIL
F 6	UP-FLOW	1400	500	.75"	1/2	120/60/1	110,000	105,000	65 Deg. F	110 Deg. F	1/2"	(2) 3" Dia.	NAT.	LENNOX MODEL ML195UH110XP48C WITH MATCHING 4 TON DX COOLING COIL

CONDENSING UNIT SCHEDULE

SYMBOL	BTU RATING	EAT	CHAR.	MCA	MCOP	REFRIGERANT PIPING LIQUID	REFRIGERANT PIPING SUCTION	MINIMUM CLEARANCES TYPE	MINIMUM CLEARANCES SIDES	MINIMUM CLEARANCES TOP	REMARKS *
CU 1	60,000	95 Deg. F	208/60/1	34.6	60	3/8"	1-1/8"	410a	24"	36"	LENNOX MODEL 13ACX-60 WITH LOW AMBIENT "HARD-START" KIT. MOUNT ON CONCRETE PAD WITH 1" THICK NEOPRENE PADS UNDER EACH CORNER.
CU 2	60,000	95 Deg. F	208/60/1	34.6	60	3/8"	1-1/8"	410a	24"	36"	LENNOX MODEL 13ACX-60 WITH LOW AMBIENT "HARD-START" KIT. MOUNT ON CONCRETE PAD WITH 1" THICK NEOPRENE PADS UNDER EACH CORNER.
CU 3	48,000	95 Deg. F	208/60/1	28.9	50	3/8"	7/8"	410a	24"	36"	LENNOX MODEL 13ACX-48 WITH LOW AMBIENT "HARD-START" KIT. MOUNT ON CONCRETE PAD WITH 1" THICK NEOPRENE PADS UNDER EACH CORNER.
CU 4	42,000	95 Deg. F	208/60/1	25.3	40	3/8"	7/8"	410a	24"	36"	LENNOX MODEL 13ACX-42 WITH LOW AMBIENT "HARD-START" KIT. MOUNT ON CONCRETE PAD WITH 1" THICK NEOPRENE PADS UNDER EACH CORNER.
CU 5	60,000	95 Deg. F	208/60/1	34.6	60	3/8"	1-1/8"	410a	24"	36"	LENNOX MODEL 13ACX-60 WITH LOW AMBIENT "HARD-START" KIT. MOUNT ON CONCRETE PAD WITH 1" THICK NEOPRENE PADS UNDER EACH CORNER.
CU 6	42,000	95 Deg. F	208/60/1	25.3	40	3/8"	7/8"	410a	24"	36"	LENNOX MODEL 13ACX-42 WITH LOW AMBIENT "HARD-START" KIT. MOUNT ON CONCRETE PAD WITH 1" THICK NEOPRENE PADS UNDER EACH CORNER.

VENTILATION CALCULATIONS

SYSTEM	AREA SERVED	SQ. FT.	OCCUPANCY / 1000 SQ. FT.	DEFAULT OCCUPANCY	REQ'D CFM PER PERSON	TOTAL CFM PER PERSON	FIXTURE COUNT	CFM PER FIXTURE	TOTAL CFM FIXTURES	CFM PER SQ. FT.	TOTAL CFM SQ. FT.	TOTAL CFM PER SPACE	ACTUAL CFM PER SPACE	
F 1	STAFF ROOM 113	323	10	3	5	15	0	0	0	0.06	20	35	40	TOTAL O.A. PROVIDED FOR F-1 SYSTEM = 550 CFM
	UTILTIY 114	91	0	0	0	0	0	0	0	0.12	11	11	20	
	STAFF TR 115	56	0	0	0	0	1	70	70	0.06	4	74	80	
	LAUNDRY 118A	145	10	2	25	50	0	0	0	0.00	0	50	50	
	SHOWERS 145-147	49 x 3	0	0	0	0	1 x 3	20	60	0.00	0	60	60	
	BEDROOMS 148-151	90 x 4	25	2 x 4	5	40	1 x 4	50	200	0.12	44	284	300	
F 2	DAY ROOM	1634	30	49	5	245	0	0	0	0.06	98	343	400	TOTAL O.A. PROVIDED FOR F-2 SYSTEM = 400 CFM
F 3	LOBBY 101	299	10	3	5	15	0	0	0	0.06	18	33	40	TOTAL O.A. PROVIDED FOR F-3 SYSTEM = 550 CFM
	FIRE RISER RM 104	65	0	0	0	0	0	0	0	0.12	8	8	10	
	CORRIDOR 115	1026	0	0	0	0	0	0	0	0.06	62	62	70	
	UNIT MANAGER 119	184	15	3	5	15	0	0	0	0.06	11	26	30	
	BEDROOMS 139-144	90 x 6	25	2 x 6	5	60	1 x 6	50	300	0.12	64	394	400	
F 4	STORAGE 102	65	0	0	0	0	0	0	0	0.06	4	4	10	TOTAL O.A. PROVIDED FOR F-4 SYSTEM = 550 CFM
	CLINICIAN 106	184	5	1	5	5	0	0	0	0.06	17	22	40	
	DISPENSARY 107	62	5	1	5	0	0	0	0	0.12	8	13	30	
	CUSTODIAL 108	89	0	0	0	0	0	0	0	0.12	11	11	20	
	BEDROOMS 1123-128	90 x 6	25	2 x 6	5	60	1 x 6	50	300	0.12	66	426	450	
F 5	DAY ROOM	1611	30	48	5	240	0	0	0	0.06	97	337	400	TOTAL O.A. PROVIDED FOR F-5 SYSTEM = 400 CFM
F 6	GROUP LEADER 109	148	15	3	5	15	0	0	0	0.06	9	24	30	TOTAL O.A. PROVIDED FOR F-6 SYSTEM = 500 CFM
	GROUP ROOM 111	228	15	4	5	20	0	0	0	0.06	14	34	40	
	STAFF TR 115	56	0	0	0	0	1	70	70	0.06	4	74	80	
	BEDROOMS 129-132	90 x 4	25	2 x 4	5	40	1 x 4	50	200	0.12	44	284	290	
	SHOWERS 133-135	49 x 3	0	0	0	0	1 x 3	20	60	0.00	0	60	60	

EXHAUST FAN SCHEDULE

SYMBOL	TYPE	CFM	SP. E.	WATTS / HP	CHAR	RPM	CONTROL	REMARKS *
EF 1	IN-LINE	420	.50"	1/6 HP	120/60/1	1650	CONTINUOUS	TWIN CITY MODEL DSI080AE WITH ECM MOTOR AND BACK-DRAFT DAMPER
EF 2	IN-LINE	420	.50"	1/6 HP	120/60/1	1650	CONTINUOUS	TWIN CITY MODEL DSI080AE WITH ECM MOTOR AND BACK-DRAFT DAMPER
EF 3	IN-LINE	490	.50"	1/6 HP	120/60/1	1750	CONTINUOUS	TWIN CITY MODEL DSI080AE WITH ECM MOTOR AND BACK-DRAFT DAMPER
EF 4	IN-LINE	490	.50"	1/6 HP	120/60/1	1750	CONTINUOUS	TWIN CITY MODEL DSI080AE WITH ECM MOTOR AND BACK-DRAFT DAMPER
EF 5	CEILING MOUNTED	90	.25"	87 W	120/60/1	640	WITH LIGHTS	TWIN CITY MODEL T100 WITH BACK-DRAFT DAMPER AND 6" Dia. DUCT UP TO ROOF CAP.

GRILLE AND REGISTER SCHEDULE

SYMBOL	DIFFUSER SIZE	CFM RANGE	THROW	CONSTR.	FINISH	BRANCH DUCT	OBD	F.D.	MAX. NC	REMARKS *
CD-1	12 x 12	50-400	4-WAY	STEEL	WHITE	10" Dia.	NO	NO	20	PRICE MODEL SMD IN 24x24 LAY-IN MODULE
CD-2	12 x 12	50-400	4-WAY	STEEL	WHITE	10" Dia.	YES	NO	20	PRICE MODEL SMD WITH BEVELED FRAME ATTACH WITH SECUTIRY SCREWS
CD-3	8 x 8	50-150	N.A.	STEEL	WHITE	8" Dia.	YES	NO	20	PRICE MODEL MSPG WITH PERFORATED FACE AND 4-SIDE MOUNTING FRAME
CD-4	9 x 9	50-199	3-WAY	STEEL	WHITE	8" Dia.	YES	NO	20	PRICE MODEL SMD WITH BEVELED FRAME ATTACH WITH SECURITY SCREWS
CD-5	12 x 12	50-400	3-WAY	STEEL	WHITE	10" Dia.	YES	NO	20	PRICE MODEL SMD WITH BEVELED FRAME ATTACH WITH SECURITY SCREWS
ER-1	8 x 8	50-150	N.A.	STEEL	WHITE	8 x 8	NO	NO	25	PRICE MODEL MSPG WITH PERFORATED FACE AND 4-SIDE MOUNTING FRAME
OL-1	8 x 8	50-150	N.A.	STEEL	WHITE	8 x 8	NO	NO	25	PRICE MODEL MSPG WITH PERFORATED FACE AND 4-SIDE MOUNTING FRAME
RG-1	12 x 12	50-400	N.A.	STEEL	WHITE	10 x 8	NO	NO	20	PRICE MODEL 535 WITH NARROW FRAME ATTACH WITH SECURITY SCREWS
RG-2	12 x 12	50-400	N.A.	STEEL	WHITE	10 x 8	NO	NO	20	PRICE MODEL 535 IN 24x24 LAY-IN MODULE
RG-3	8 x 8	50-200	N.A.	STEEL	WHITE	8 x 8	NO	NO	20	PRICE MODEL MSPG WITH PERFORATED FACE AND 4-SIDE MOUNTING FRAME
RG-4	18 x 18	400-800	N.A.	STEEL	WHITE	18 x 10	NO	NO	20	PRICE MODEL 535 IN 24x24 LAY-IN MODULE
RG-5	18 x 18	400-800	N.A.	STEEL	WHITE	18 x 10	NO	NO	25	PRICE MODEL 535
SR-1	18 x 10	400-600	N.A.	STEEL	WHITE	18 x 10	YES	NO	20	PRICE MODEL 520DL WITH OPPOSED BLADE DAMPER AND NARROW MOUNTING FRAME

ENERGY RECOVERY VENTILATION UNIT SCHEDULE

SYMBOL	EXHAUST AIR SECTION CFM	EXHAUST AIR SECTION SP. E.	EXHAUST AIR SECTION H.P.	OUTSIDE AIR SUPPLY SECTION CFM	OUTSIDE AIR SUPPLY SECTION SP. E.	OUTSIDE AIR SUPPLY SECTION H.P.	CHAR.	MCA	MCOP	WEIGHT	REMARKS *
ERV 1	1400	.50"	3	2950	.50"	3	208/230/60/3	33.1	40	1000#	RENEW AIR MODEL HE3XINV INTERIOR UNIT

FAN COIL SPLIT SYSTEM A/C UNIT SCHEDULE

	INDOOR UNIT					OUTDOOR UNIT						REFRIG LINES	
SYMBOL	CFM	BTU	CHAR.	MCA	MANUFACTURER *	SYMBOL	BTU	MCA	CHAR.	SEER	MANUFACTURER *	LIQUID	SUCTION
FC 1A	700-900	24,000	208/60/1	1	MITSUBISHI PKA-A24KA7	FC 1B	24,000	25	208/60/1	17	MITSUBISHI PUYA24NHA7 WITH LOW AMBIENT "HARD-START" KIT	3/8"	5/8"

* REFER TO DIVISION 23 SPECIFICATIONS FOR APPROVED MANUFACTURERS.

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
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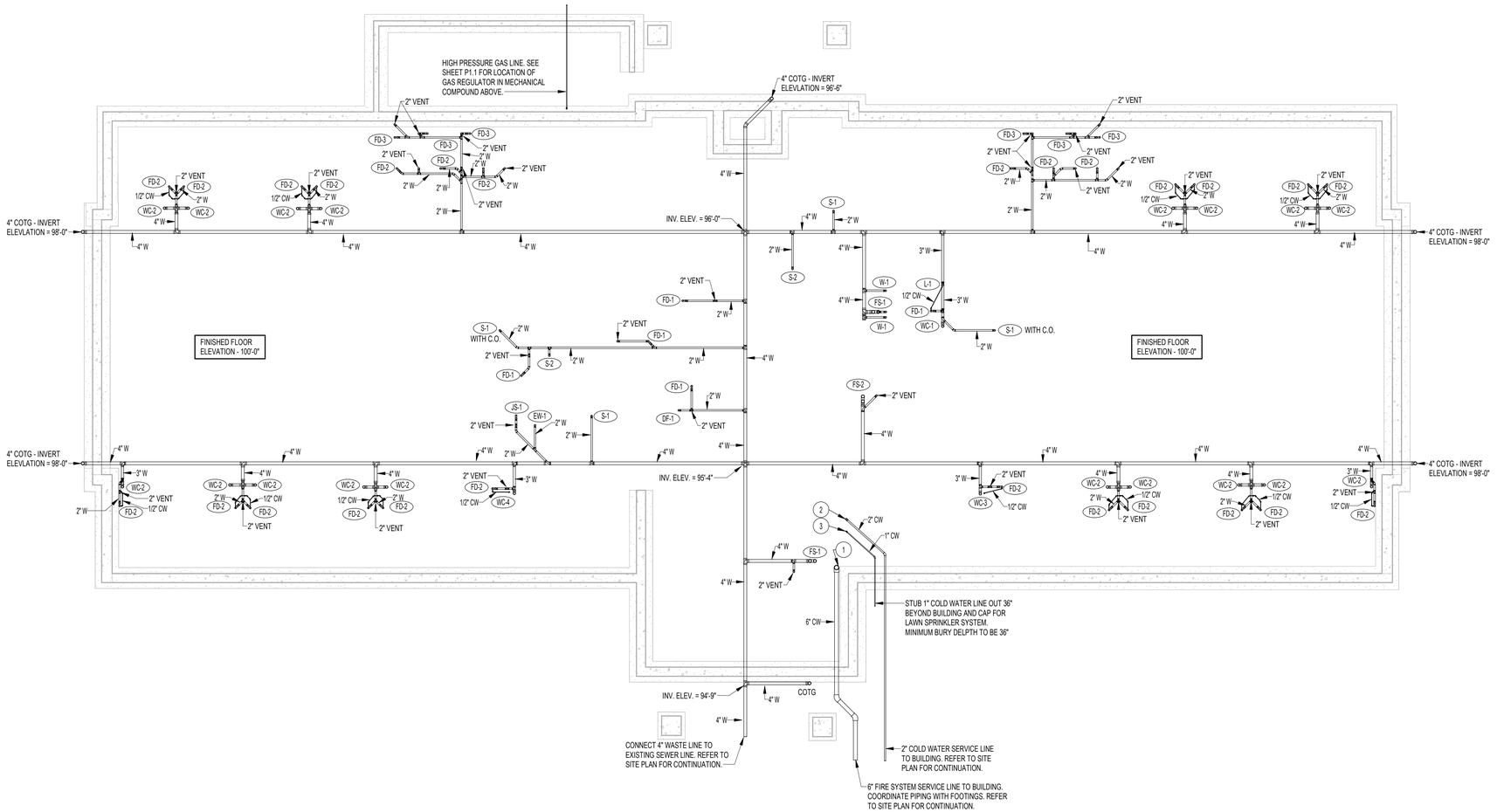


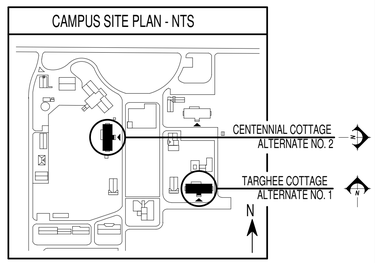
P0.1 PLUMBING FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

PLAN NOTES:

1. RISE 6" FIRE WATER SERVICE LINE UP IN FIRE RISER ROOM AND CONNECT TO FIRE RISER AND ALARM VALVE ASSEMBLY ABOVE. REFER TO FIRE RISER DETAIL K/P3.2 FOR TYPICAL INSTALLATION OF VERTICAL FIRE RISER AND ALARM VALVE. COORDINATE PIPING AND VALVE LOCATIONS WITH BUILDING STRUCTURE.
2. RISE 2" DOMESTIC COLD WATER SERVICE LINE UP THRU FLOOR AND CONNECT TO PRESSURE REDUCING AND BACK-FLOW PREVENTION STATION ABOVE. REFER TO DETAIL K/P3.1 FOR TYPICAL PIPING CONNECTIONS. COORDINATE ALL DOMESTIC WATER, WASTE AND VENT PIPING WITH OTHER TRADES AND WITH BUILDING STRUCTURE.
3. DROP 1" COLD WATER LINE DOWN THRU FLOOR AND RUN TO EXTERIOR OF BUILDING AS SHOWN FOR IRRIGATION SYSTEM. REFER TO DETAIL K/P3.1 FOR TYPICAL CONNECTION TO WATER MAIN INSIDE FIRE RISER ROOM.

CAMPUS SITE PLAN - NTS



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ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8775 (F) 208.522.8795 (W) nbwarchitects.com

PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
PLUMBING FOUNDATION PLAN

PROFESSIONAL ENGINEER
DAVID L HANSEN
P-18184
12/30/22
STATE OF IDAHO

Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 21063

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
M JENSEN
CHECKED BY:
D HANSEN

DRAWING NO.:
P0.1

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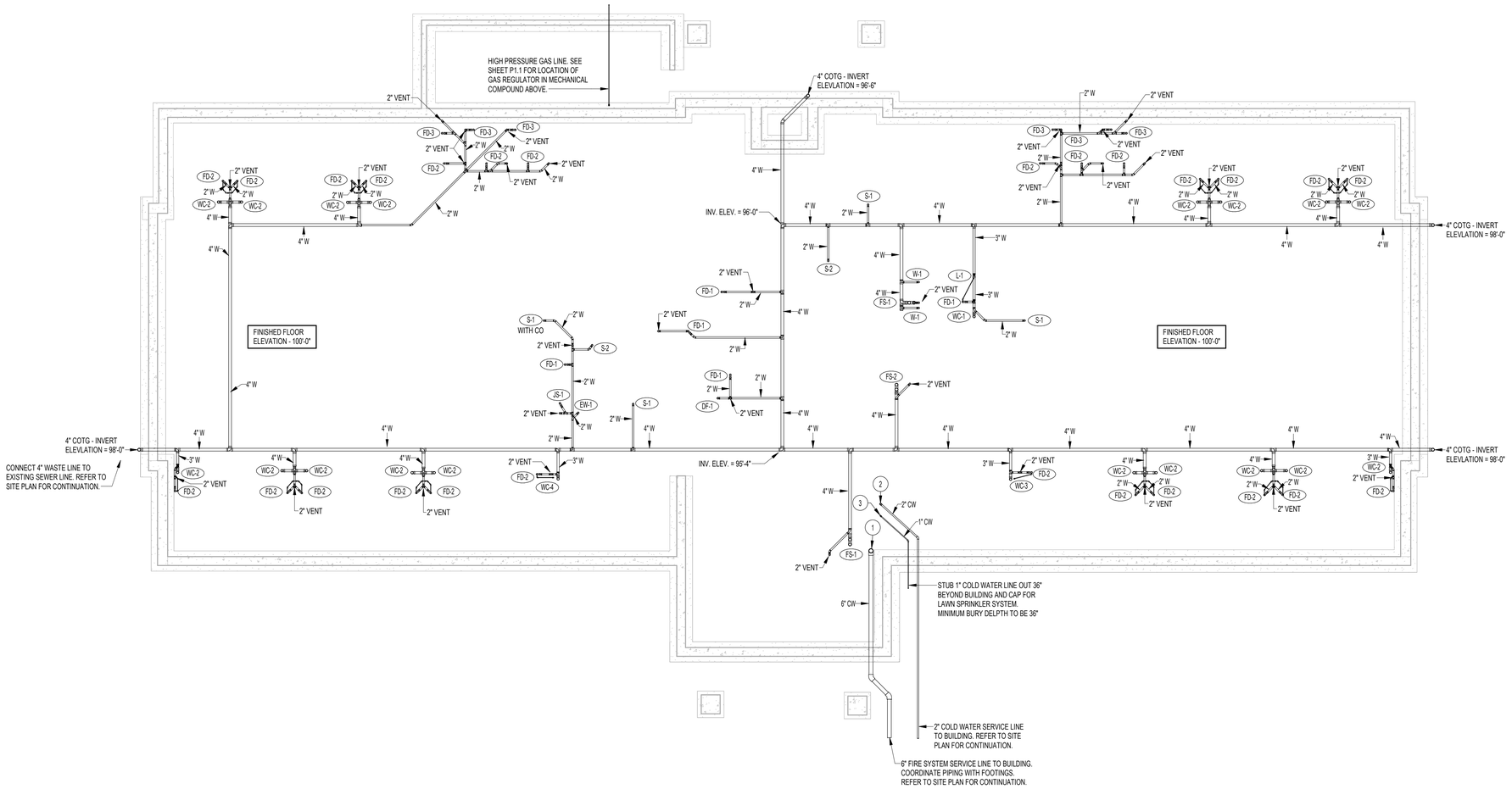


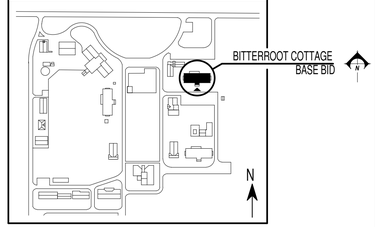
P0.2 PLUMBING FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

PLAN NOTES:

1. RISE 6" FIRE WATER SERVICE LINE UP IN FIRE RISER ROOM AND CONNECT TO FIRE RISER AND ALARM VALVE ASSEMBLY ABOVE. REFER TO FIRE RISER DETAIL K/P3.2 FOR TYPICAL INSTALLATION OF VERTICAL FIRE RISER AND ALARM VALVE. COORDINATE PIPING AND VALVE LOCATIONS WITH BUILDING STRUCTURE.
2. RISE 2" DOMESTIC COLD WATER SERVICE LINE UP THRU FLOOR AND CONNECT TO PRESSURE REDUCING AND BACK-FLOW PREVENTION STATION ABOVE. REFER TO DETAIL K/P3.1 FOR TYPICAL PIPING CONNECTIONS. COORDINATE ALL DOMESTIC WATER, WASTE AND VENT PIPING WITH OTHER TRADES AND WITH BUILDING STRUCTURE.
3. DROP 1" COLD WATER LINE DOWN THRU FLOOR AND RUN TO EXTERIOR OF BUILDING AS SHOWN FOR IRRIGATION SYSTEM. REFER TO DETAIL K/P3.1 FOR TYPICAL CONNECTION TO WATER MAIN INSIDE FIRE RISER ROOM.

CAMPUS SITE PLAN - NTS



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(P) 208.522.8795 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: PLUMBING FOUNDATION PLAN

P - 18184
12/30/22
STATE OF IDAHO
DAVID L. HANSEN
PROFESSIONAL ENGINEER

ESA Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esoteng@ysystems.com
ESA JOB NUMBER: 21063

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
M JENSEN
CHECKED BY:
D HANSEN

DRAWING NO.:

P0.2

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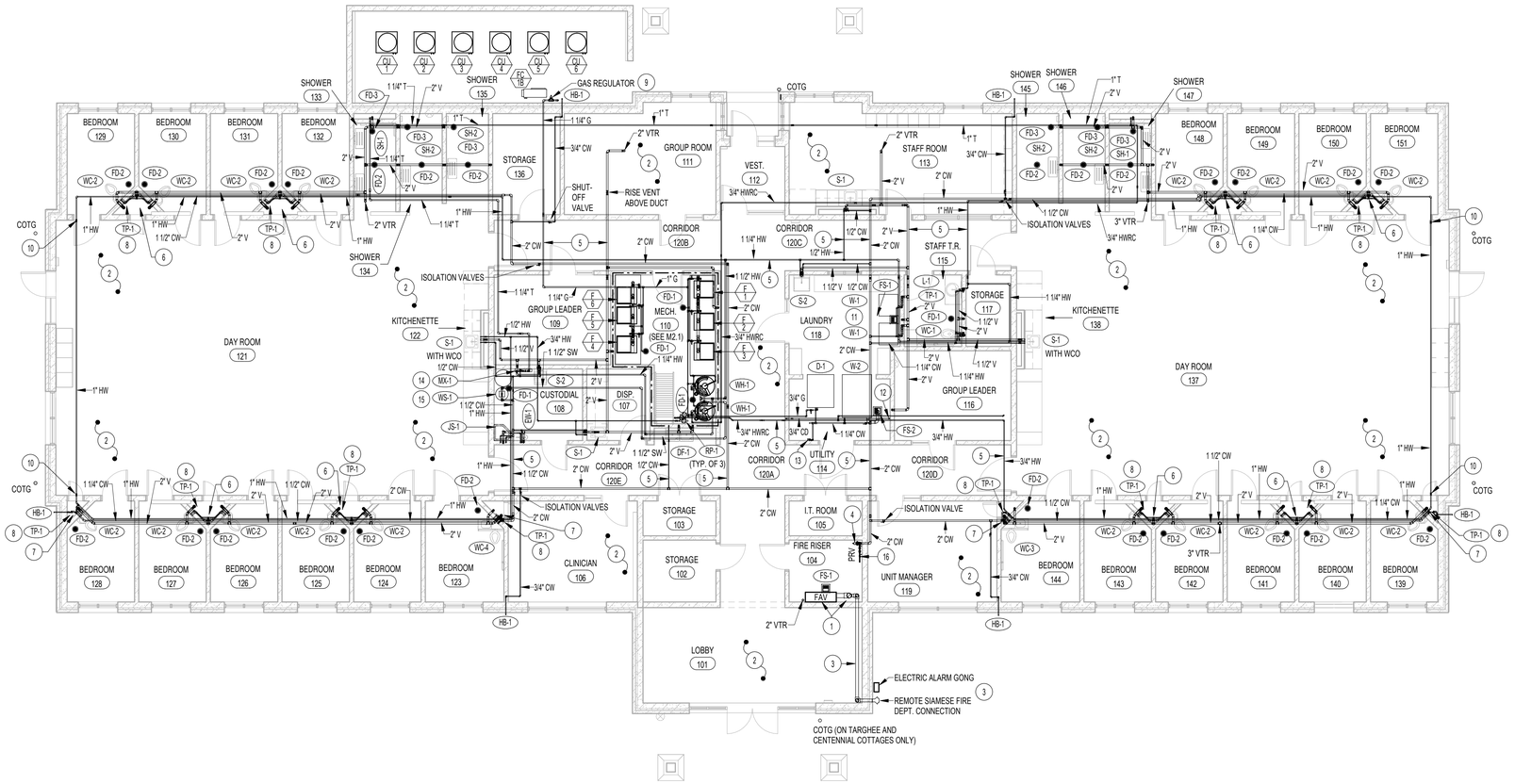
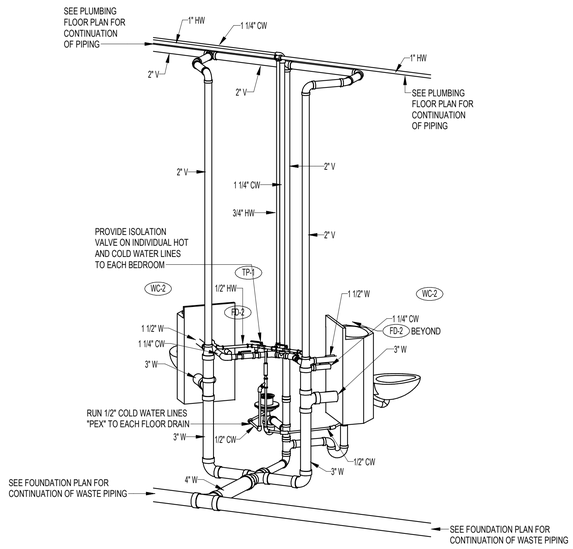


PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"



1 BEDROOM CHASE PIPING ISOMETRIC

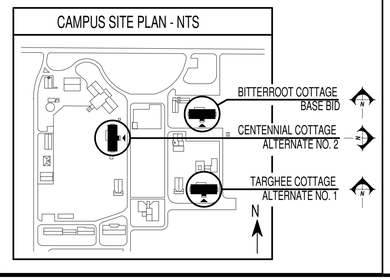
PLAN NOTES:

1. RISE 6" FIRE WATER SERVICE LINE UP IN FIRE RISER ROOM AND CONNECT TO FIRE RISER AND ALARM VALVE ASSEMBLY. REFER TO FIRE RISER DETAIL E/P3.2 FOR TYPICAL INSTALLATION OF VERTICAL FIRE RISER AND ALARM VALVE. COORDINATE PIPING AND VALVE LOCATIONS WITH BUILDING STRUCTURE.
2. ENTIRE BUILDING TO BE FIRE SPRINKLED TO MEET NFPA13 CODE REQUIREMENTS. FIRE SPRINKLER PIPING AND HEADS ARE TO COORDINATED WITH ALL OTHER TRADES. FIRE PIPING TO ROUTE AROUND DUCTWORK. PROVIDE 'DRY' HEADS WHERE AREAS ARE PRONE TO FREEZING CONDITIONS. (32 DEGREES OR BELOW.) REFER TO DETAILS ON SHEET P3.2 FOR TYPICAL PIPING SUPPORTS AND COORDINATION WITH LIGHT FIXTURES AND DIFFUSERS.
3. RISE FIRE DEPARTMENT CONNECTION LINE UP ABOVE CEILING TO RUN TO REMOTE LOCATION AS SHOWN. PROVIDE SIAMESE FIRE DEPARTMENT AND ELECTRICAL ALARM ON EXTERIOR WALL.
4. RISE 2" DOMESTIC COLD WATER SERVICE LINE UP THRU FLOOR AND CONNECT TO PRESSURE REDUCING AND BACK-FLOW PREVENTION STATION. REFER TO DETAIL K/P3.1 FOR TYPICAL PIPING CONNECTIONS. RISE PIPING UP ABOVE CEILING AS RUN TO FIXTURES IN BUILDING AS SHOWN. COORDINATE ALL DOMESTIC WATER, WASTE AND VENT PIPING WITH OTHER TRADES AND WITH BUILDING STRUCTURE.
5. WATER AND VENT PIPING TO BE RUN BELOW MEZZANINE WALKWAY. COORDINATE WITH DUCTWORK AND WITH LIGHT FIXTURES. REFER MEZZANINE PLAN ON SHEET M1.1 FOR LOCATION OF WALKWAY ON MEZZANINE LEVEL.
6. DROP SINGLE 1-1/2" COLD WATER LINE AND SINGLE 3/4" HOT WATER LINE DOWN IN PIPING CHASE FOR BACK-TO-BACK BEDROOMS. CONNECT HOT AND COLD WATER LINES TO FIXTURES WITH SEPARATE ISOLATION VALVES FOR EACH BEDROOM. COORDINATE PIPING IN CHASE WITH DUCTWORK. REFER TO SHEET M1.1 FOR DUCTWORK IN CHASES.
7. DROP SINGLE 1" COLD WATER LINE AND SINGLE 1/2" HOT WATER LINES DOWN IN PIPING CHASE FOR SINGLE BEDROOMS. CONNECT HOT AND COLD WATER LINES TO FIXTURES AND PROVIDE ISLOATION VALVES IN CHASE. COORDINATE PIPING IN CHASE WITH DUCTOWRK. REFER TO SHEET M1.1 FOR DUCTWORK IN CHASE.
8. PROVIDE TRAP PRIMER IN 1/2" COLD WATER LINE OF FIXTURE. DROP 1/2" COLD WATER LINE DOWN AND RUN TO FLOOR DRAIN FOR TRAP PRIMER. REFER TO DETAIL L/P3.1 FOR TYPICAL INSTALLATION. USE SINGLE TRAP PRIME IN EACH CHASE. CONNECT TO (2) DRAINS AS REQUIRED.
9. RISE HIGH PRESSURE GAS LINE UP THRU SLAB. PROVIDED AND INSTALLED PRESSURE REGULATOR IN LINE. SIZE REGULATOR TO 1,500,000 BTU WITH 2 PSI DISCHARGE PRESSURE. REFER TO GAS PIPING CALCULATIONS ON THIS SHEET FOR EXACT SIZING REQUIREMENTS FOR INDIVIDUAL EQUIPMENT.
10. RISE HOT WATER PIPING UP IN FURRED WALL TO ABOVE LOWERED CEILING IN DAY ROOMS. COORDINATE PIPING THRU LOWERED CEILINGS WITH DUCTWORK. REFER TO SHEET M1.1 FOR DUCTWORK.
11. CONNECT WATER AND WASTE LINES FROM COMBO WASHER/DRYER UNITS TO PIPING IN WASHER BOX. LOCATE WASHER BOX IN ACCESSIBLE LOCATION IN WALL BEHIND UNITS. REFER TO DETAIL D/P3.1 FOR TYPICAL WASHER BOX INSTALLATION.
12. DROP 3/4" CONDENSATE DRAIN LINE DOWN TO FLOOR SINK.
13. ROUGH-IN AND CONNECT 3/4" COLD WATER LINE FOR LAUNDRY LIQUID DISPENSING SYSTEM. PROVIDE SHUT-OFF VALVE IN LINE.
14. PROVIDE HOT WATER MIXING VALVE FOR HOT WATER TO SHOWERS AS SHOWN IN DETAIL G/P3.3. MIXING VALVE TO BE LOCATED AT 4' ABOVE FLOOR AND TO BE INSIDE LOCKING METAL BOX. COORDINATE BOX LOCATION WITH WATER SOFTENER AND SINK IN THIS AREA AND MAINTAIN ACCESS TO MIXING VALVE.
15. INSTALL SINGLE TANK WATER SOFTENER AS SCHEDULED WITH SINGLE BRINE TANK. REFER TO PLUMBING FIXTURE SCHEDULE AND TO PIPING DIAGRAM H/P3.2 FOR INSTALLATION AND PIPING CONNECTIONS.
16. CONNECT 1" COLD WATER TO 2" MIAN LINE AND DROP DOWN THRU FLOOR FOR LAWN SPRINKLING SYSTEM. SEE SHEET P0.1 AND P0.2 FOR CONTINUATION. REFER TO DETAIL K/P3.1 FOR TYPICAL CONNECTION TO WATER MAIN INSIDE FIRE RISER ROOM.

GAS PIPING CALCULATIONS

F1	110,000 BTU
F2	110,000 BTU
F3	110,000 BTU
F4	110,000 BTU
F5	110,000 BTU
F6	110,000 BTU
WH-1	199,000 BTU
WH-1	199,000 BTU
GAS DRYER LOAD	175,000 BTU
TOTAL EQUIPMENT LOAD	1,233,000 BTU
BTU PER CU. FT.	1,000 BTU
TOTAL DESIGNLOAD	1,500 CFH
DEVELOPED LENGTH OF PIPING	150 FEET
DISCHARGE PRESSURE	2 psi
GAS LINE SIZE	1-1/4"

CAMPUS SITE PLAN - NTS



PROFESSIONAL ENGINEER — P-18184 — 12/30/22 — STATE OF IDAHO — DAVID L HANSEN

Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 21063

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ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8775 (F) 208.522.8785 (W) nbwarchitects.com

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: PLUMBING FLOOR PLAN

REVISIONS

NBW PROJECT NO. 21023
DATE: DECEMBER 2022
DRAWN BY: M JENSEN
CHECKED BY: D HANSEN

DRAWING NO.: P1.1

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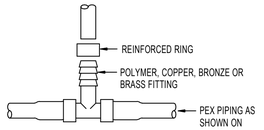
A | PEX PIPE FITTING DETAILS — NO SCALE

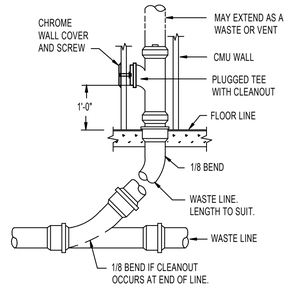
THIS TYPE (COLD EXPANSION) OF FITTING REQUIRES THAT THE PEX PIPING, WITH REINFORCING PEX RING PLACED OVER THE END OF THE END OF THE PIPE, IS EXPANDED BEFORE THE FITTING IS INSERTED INTO THE PIPE END. THE EXPANDED PIPE END IS ALLOWED TO RETRACT ONTO THE FITTING TO FORM THE SEAL. THE MEMORY OF THE PIPE ALLOWS IT TO TIGHTEN OVER THE FITTING. AN EXPANDER TOOL IS REQUIRED TO EXPAND THE PIPE AND THE PEX RING TOGETHER.

ALL JOINTS (TEES. ELBOWS, COUPLINGS, ETC.) ARE JOINTED SIMILARLY.

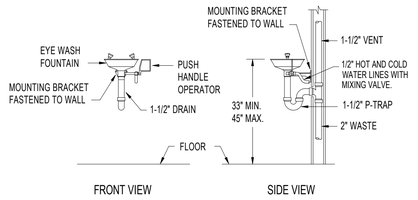


NOTE:
STAINLESS STEEL CAMP BANDS ARE ALSO PERMITTED FOR REINFORCING RING.

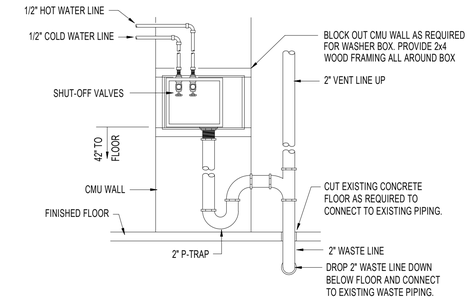
B | WALL CLEANOUT DETAIL — NO SCALE



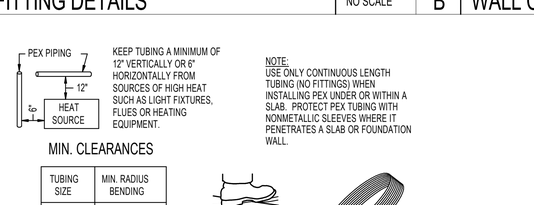
C | EMERGENCY EYEWASH DETAIL — NO SCALE



D | WASHER BOX PIPING DETAIL — NO SCALE



E | PEX PIPE HANDLING DETAILS — NO SCALE



KEEP TUBING A MINIMUM OF 12" VERTICALLY OR 6" HORIZONTALLY FROM SOURCES OF HIGH HEAT SUCH AS LIGHT FIXTURES, FLUES OR HEATING EQUIPMENT.

NOTE:
USE ONLY CONTINUOUS LENGTH TUBING (NO FITTINGS) WHEN INSTALLING PEX UNDER OR WITHIN A SLAB. PROTECT PEX TUBING WITH NONMETALLIC SLEEVES WHERE IT PENETRATES A SLAB OR FOUNDATION WALL.

MIN. CLEARANCES

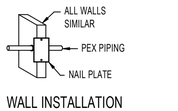
TUBING SIZE	MIN. RADIUS BENDING
3/8"	4"
1/2"	5"
3/4"	7"
1"	9"

DO NOT CRUSH OR KINK TUBING

DO NOTE DRAG TUBING OVER ROUGH TERRAIN, ROCKS, OR ANY SURFACE THAT CAN CUT, PUNCTURE OR DAMAGE TUBING WALL.

TUBING AND FITTINGS SHALL BE STORED UNDERCOVER FOR CLEANLINESS AND TO AVOID EXPOSURE TO SUNLIGHT. CONSULT MANUFACTURER FOR RECOMMENDED LIMITS TO OUTSIDE STORAGE.

F | PEX PIPE INSTALLATION DETEAILS — NO SCALE



WALL INSTALLATION

VERTICAL TUBING TO BE SUPPORTED EVERY 8'-0"

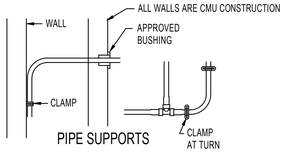
WHEN PENETRATING METAL STUDS, UTILIZE A BUSING DESIGNED FOR PLASTIC TUBING.

SUPPORTS S.SHALL BE INSTALLED AT CHANGES IN DIRECTION TO RELIEVE STRESS AS SHOWN.

PIPE SUPPORTS:
PLASTIC HANGERS AND STRAPS ARE RECOMMENDED, BUT METAL SUPPORTS WHICH ARE DESIGNED FOR USE WITH PLASTIC TUBING CAN BE USED.

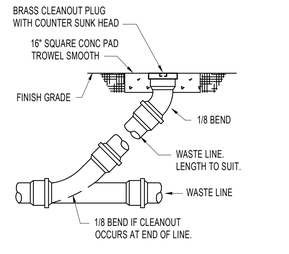
DO NOT USE SUPPORTS THAT PINCH OR CUT THE TUBING. SUPPORT SHOULD ALLOW FREE TUBING MOVEMENT.

INSPECT ALL SUPPORTS PRIOR TO INSTALLATION TO ENSURE THAT SHARP EDGES DO NOT EXIST THAT CAN DAMAGE THE TUBING.



DO NOT USE IN ANY APPLICATION WHERE TUBING WILL BE EXPOSED TO DIRECT SUNLIGHT.

G | CLEANOUT TO GRADE DETAIL — NO SCALE



H | UNDER SLAB PIPE INSULATION DETAIL — NO SCALE

NOTES:

1 - ALL WATER PIPING INSTALLED UNDERFLOOR SHALL BE TYPE "K" COPPER

2 - WATER PIPE INSULATION ON UNDERFLOOR PIPING SHALL BE ARMAFLEX 3/4" THICK RUBBER PIPE INSULATION. TAPE INSULATION AT ALL SEAMS.

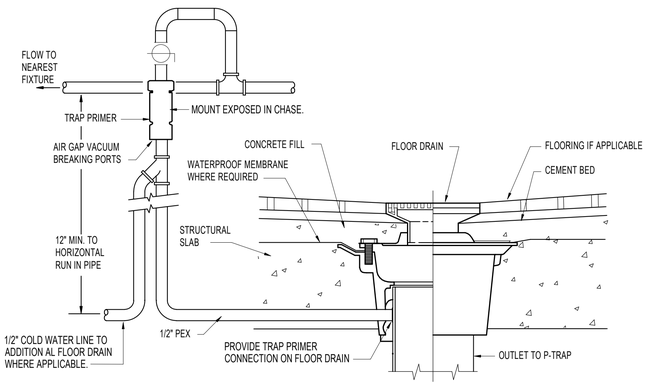
3 - MINIMUM PIPE SIZE UNDERFLOOR SHALL BE 3/4"

4 - SAND FILL AROUND PIPING SHALL BE A MINIMUM OF 4" THICK. MATERIAL SHALL BE HAND TAMPED, RODDED OR LIGHTLY COMPACTED DURING INSTALLATION. CARE SHOULD BE TAKEN NOT TO DEFORM OR OTHERWISE DAMAGE PIPING OR INSULATION.

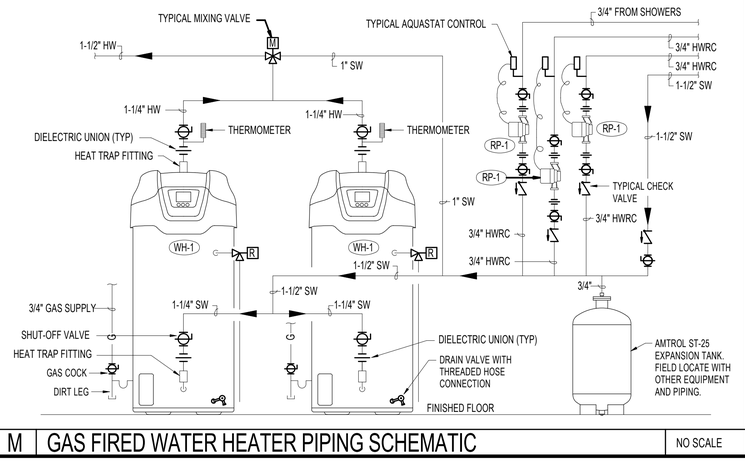
J | GAS LINE CONNECTION DETAIL — NO SCALE

K | VERTICAL WATER PRESSURE REDUCING STATION DETAIL — NO SCALE

L | TRAP PRIMER INSTALLATION AND PIPING DETAIL — NO SCALE



M | GAS FIRED WATER HEATER PIPING SCHEMATIC — NO SCALE



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ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8775 (F) 208.522.8795 (W) nbwarchitects.com

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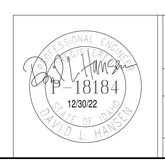
PROJECT:

SHEET TITLE:
PLUMBING DETAILS AND DIAGRAMS



Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
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FAX: (208) 233-0529
EMAIL: esa@engsystems.com
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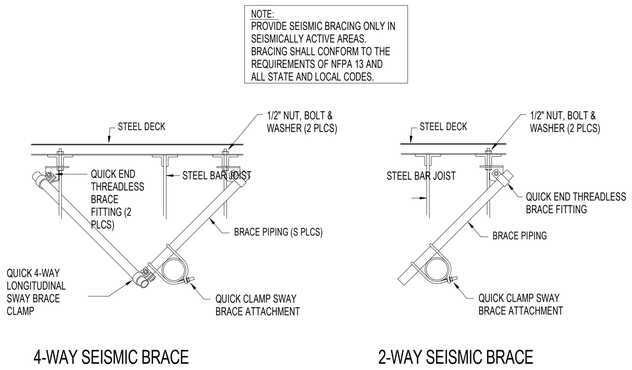
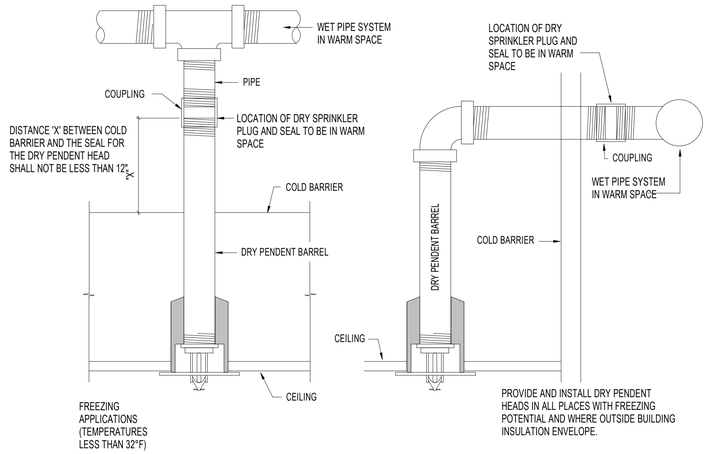
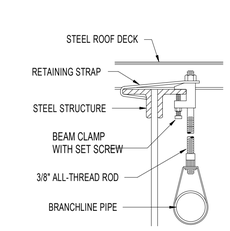
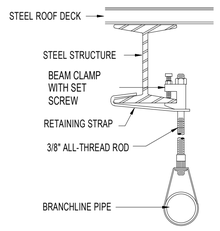


A SEISMIC BRACING DETAILS — NO SCALE



B DRY PENDENT HEAD DETAIL — NO SCALE

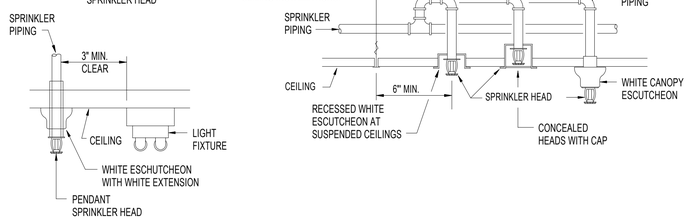




HANGER DETAIL

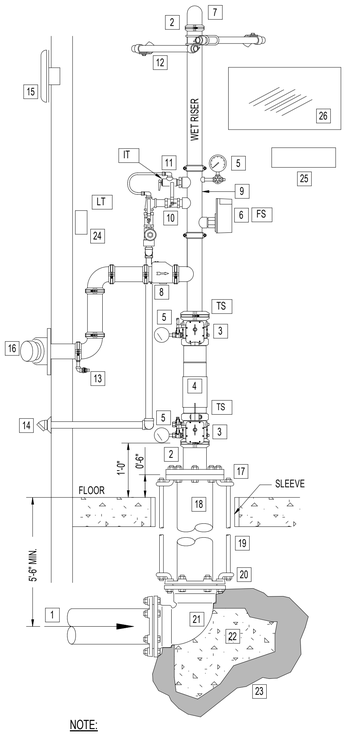
HANGER DETAIL

C TYPICAL PIPE HANGER DETAILS — NO SCALE



D SPRINKLER HEAD COORDINATION DETAILS — NO SCALE

NOTE:
FIRE RISER TO BE DEFERRED SUBMITTAL FROM LICENSED LIFE SAFETY CONTRACTOR.

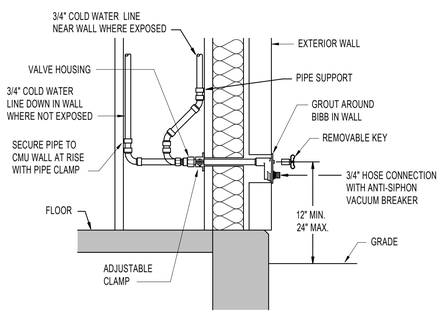


NOTE:
PROVIDE SLEEVES WHERE PIPING PENETRATES BUILDING AT FLOOR AND WALLS. SEAL AROUND PENETRATION WITH FLEXIBLE MASTIC AT FLOOR. PROVIDE 2" ANNULAR SPACE AROUND AND RESTRAIN FLANGE SPIGOT.

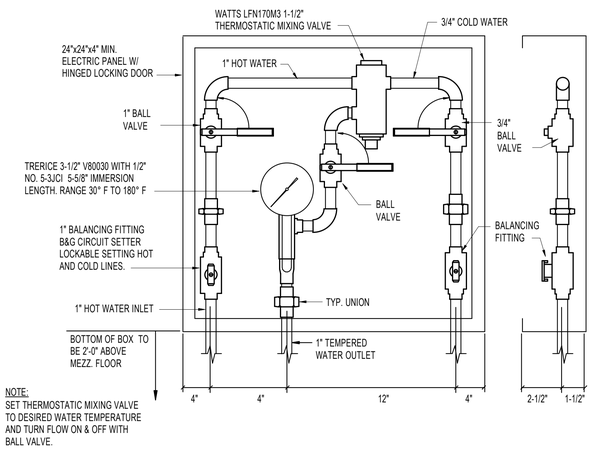
WET RISER DETAIL NOTES

1. WATER SUPPLY FROM CITY WATER MAIN. USE CLASS 53 DUCTILE IRON WHEN CROSSING UNDER BLDG FOUNDATION.
2. USE FLEXIBLE GROOVED PIPE COUPLING ONLY IF SEISMIC BRACING IS REQUIRED. SEE NOTE #12.
3. GROOVED BUTTERFLY VALVE WITH INTEGRAL SUPERVISORY SWITCH.
4. DOUBLE CHECK BACKFLOW PREVENTER WITH RELATED TRIM AND GAUGES.
5. 3-1/2" DIAMETER WATER GAUGE WITH ¼" TEST AND ISOLATION VALVE.
6. VANE TYPE WATER FLOW SWITCH.
7. SUPPLY TO WET PIPE FIRE SPRINKLER SYSTEM.
8. SWING CHECK VALVE.
9. RISER MANIFOLD - INCLUDES PRESURE GAUGE, FLOW SWITCH, PRESSURE RELIEF VALVE, AND TEST AND MAIN DRAIN DEVICE.
10. INSPECTOR'S TEST & MAIN DRAIN DEVICE 'IT' - PIPE TO OUTSIDE.
11. PRESSURE RELIEF VALVE SHALL BE REQUIRED SET AT 175 PSI.- PIPED TO DISCHARGE OUTSIDE.
12. SEISMIC BRACING REQUIRED IN SEISMIC DESIGN CATEGORY C, D, E, F.
13. 1/2" AUTOMATIC BALL DRIP VALVE.
14. PIPE TO DRAIN OUTSIDE.
15. WEATHERPROOF ELECTRIC BELL OR HORN AND STROBE (OUTSIDE).
16. OUT TO FIRE DEPARTMENT CONNECTION WITH GALVANIZED SCH 40 PIPING- PROVIDE BALL DRIP WHEN TRAPPING PIPE. SIZE CONNECTION AS REQUIRED. NOTE: PIPE FDC TO REMOTE LOCATION WHEN REQUIRED BY FIRE MARSHAL.
17. GALVANIZED FLANGE AND SPOOL PIECE
18. CLASS 53 D.I. FLANGED SPIGOT
19. 3/4" A.T.R.
20. 3/4" BENT EYE BOLT
21. MECHANICAL JOINT 90° ELL
22. CONCRETE THRUST BLOCK WITH 5 SQ. FEET BEARING AREA
23. UNDISTURBED EARTH
24. LOW TEMPERATURE SENSOR - MOUNTED ON WALL - THIS SWITCH IS PROVIDED UNDER DIVISION 28 OF THE SPECIFICATIONS.
25. SPARE HEAD CABINET WITH SPARE SPRINKLER HEADS AND WRENCHES.
26. LAMINATED SYSTEM MAP WITH SYSTEM START-UP AND SHUT-DOWN INSTRUCTIONS.

E VERTICAL FIRE RISER DETAIL — NO SCALE

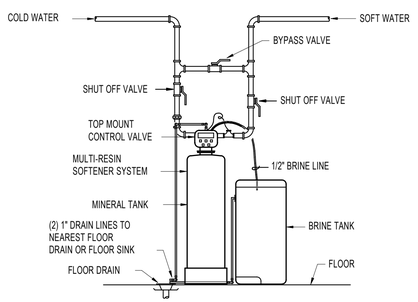


F EXTERNAL HOSE BIBB DETAIL — NO SCALE



NOTE:
SET THERMOSTATIC MIXING VALVE TO DESIRED WATER TEMPERATURE AND TURN FLOW ON & OFF WITH BALL VALVE.

G MIXING VALVE DETAIL — NO SCALE



G WATER SOFTENER PIPING DIAGRAM — NO SCALE

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8775 (F) 208.522.8776 (W) nbwarchitects.com

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: PLUMBING DETAILS AND DIAGRAMS

Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 21063

REVISIONS

NBW PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
M JENSEN
CHECKED BY:
D HANSEN

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PLUMBING LEGEND

SYMBOL	DESCRIPTION (NOT ALL SYMBOLS MAY BE USED)
AFF	ABOVE FINISHED FLOOR
CO	CLEANOUT
COTG	CLEANOUT TO GRADE
CW	COLD WATER LINE
HW	HOT WATER LINE
HWRC	HOT WATER RECIRCULATION LINE
V	VENT LINE
VTR	VENT THRU ROOF
W	WASTE LINE
WCO	WALL CLEANOUT
1	PLAN NOTE
EF 1	EQUIPMENT SYMBOL
CD	CONDENSATE DRAIN LINE
	GATE VALVE
	BALL VALVE
	CHECK VALVE
	GAS PRESSURE REGULATOR
	PIPE DROP
	PIPE RISE
L	REFRIGERANT LIQUID LINE
S	REFRIGERANT SUCTION LINE
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	HOT WATER RECIRC. PIPING
T	TEMPERED WATER PIPING
G	GAS PIPING
	SOIL OR WASTE PIPING
	VENT LINE PIPING
	DIRECTION OF FLOW INDICATOR
	STRAINER
	CIRCUIT SETTER
	PRESSURE REDUCING VALVE
	REDUCED PRESSURE BACKFLOW PREVENTER
	MOTORIZED 3 WAY MIXING OR DIVERTING VALVE
	2 POSITION MOTORIZED VALVE
	ELECTRIC ALARM GONG
	FIRE DEPARTMENT SIAMESE CONNECTION
FAV	FIRE SPRINKLER RISER VALVE
	CONDENSING UNIT
	FURNACE OR FAN COIL UNIT

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	HOT	COLD	WASTE	VENT
D-1	COMMERCIAL GAS DRYER - DRYER EQUAL TO MILNOR MODEL M7S8V. ROUGH-IN AND CONNECT 3/4" COLD WATER LINE AND 3/4" (2 psi) GAS LINE TO FIXTURE. CONNECT WITH PRESSURE REGULATOR (CONFIRM GAS PRESSURE WITH EQUIPMENT SUPPLIED.), SHUT-OFF VALVE AND FLEXIBLE HOSE. REFER TO DETAIL K/P3.1 FOR TYPICAL GAS LINE CONNECTION.	---	3/4"	---	---
DF-1	BI-LEVEL DRINKING FOUNTIAN WITH BOTTLE FILL - ELKAY MODEL LZSTL8WSLK AND EZH20 BOTTLE FILLER STATION COMPLETE WITH HANDS FREE FILL VALVE, 1/2" STOP, 1-1/2" P-TRAP, AND FLEXI-GUARD BUBBLER. (120/60/1)	---	1/2"	1-1/2"	1-1/2"
EW-1	HAWS MODEL 7260BT WITH PUSH-OPEN BALL VALVE, EYEWASHBOWL, 1/2" HOT AND COLD WATER SUPPLY LINES WITH THERMAL MIXING VALVE, AND 1-1/2" WASTE LINE WITH P-TRAP. REFER TO DETAIL C/P3.1 FOR TYPICAL INSTALLATION.	1/2"	1/2"	1-1/2"	1-1/2"
FD-1	2" FLOOR DRAIN - ZURN Z415N WITH 5" Dia. NICKEL-BRONZE STRAINER AND 2" DEEP SEAL P-TRAP. RUN 1/2" COLD WATER LINE TO TRAP PRIMER. REFER TO DETAIL M/P3.1 FOR TYPICAL INSTALLATION.	---	1/2"	2"	2"
FD-2	2" ANTI LIGATURE FLOOR DRAIN - HIPAC SAFE-CELL 'CCR' PRISON DRAIN ASSEMBLY WITH DIAL RING DESIGN AND 2" DEEP SEAL P-TRAP. RUN 1/2" COLD WATER LINE TO TRAP PRIMER. REFER TO DETAIL M/P3.1 FOR TYPICAL INSTALLATION. SECURE STRAINER WITH SECURITY SCREWS.	---	1/2"	2"	2"
FD-3	SHOWER DRAIN - SCHLUTER KERDI-LINE SYSTEM WITH CHANNEL SUPPORT AND BODY WITH CENTER OUTLET, 33-1/2" TOTAL LENGTH, TYPE 'B' SQUARE GRATE WITH BRUSHED STAINLESS STEEL FINISH AND LOCKING MECHANISIM	---	---	2"	2"
FS-1	FLOOR SINK WITH 1/2 GRATE - ZURN Z1900-2 WITH HALF GRATE, DOME STRAINER, WHITE ENAMEL FINISH, AND 4" DEEP SEAL P-TRAP.	---	---	4"	2"
FS-2	FLOOR SINK WITH NO GRATE - ZURN Z1900-2 WITH DOME STRAINER, WHITE ENAMEL FINISH, AND 4" DEEP SEAL P-TRAP. NO GRATE REQUIRED.	---	---	4"	2"
HB-1	EXTERIOR HOSE BIBB - ZURN Z-1310 "ECOLOTROL" RECESSED EXTERIOR HOSE BIBB WITH REMOVABLE METAL KEY HANDLE, VACUUM BREAKER AND GARDEN HOSE ADAPTOR. LENGTH TO SUIT WALL THICKNESS. REFER TO DETAIL F/P3.3 FOR TYPICAL INSTALLATION.	---	3/4"	---	---
JS-1	SERVICE SINK - KOHLER K-6710 "WHITBY" WITH K-8940 WIRE RIM GUARD, K-9142 PERFORATED STRAINER AND 2" DEEP SEAL P-TRAP. MOUNT TSS BRESS B-0674-BSTP FAUCET ON WALL WITH VACUUM BREAKER AND PAIL HOOK. PROVIDE 5'-0" RUBBER HOSE AND WALL CLIP.	1/2"	1/2"	2"	2"
L-1	LAVATORY - KOHLER MODEL K-2209 "CAXTON OVAL" UNDERMOUNT SINK WITH K-7715 GRID STRAINER, MOEN 84466 DECK MOUNTED FAUCET WITH SINGLE HOLE AND LEVER HANDLE, 1/2" STOPS AND 1-1/2" P-TRAP. PROVIDE INSULATING JACKET ON WATER AND WASTE PIPING BELOW COUNTER.	1/2"	1/2"	1-1/2"	1-1/2"
MX-1	SHOWER MIXING VALVE - PROVIDE MIXING VALVE SIMILAR TO WATTS 1-1/2" LFN170-M3 LEAD-FREE MASTER MIXING VALVE WITH PARAFTIN BASED THERMOSTAT. PROVIDE 1-1/2" TEMPERED AND HOT WATER LINES WITH SHUT-OFF VALVES AND 1" COLD WATER LINES WITH SHUT-OFF VALVE. REFER TO DETAIL G/P3.2 FOR TYPICAL INSTALLATION IN 24x24x4 LOCKING METAL BOX.	1-1/2"	1-1/2"	---	---
RP-1	DOMESTIC RECIRC PUMP - B&G SERIES LR-15B WITH 6 GPM FLOW AT 10' HEAD AND 3/4" LINE CONNECTIONS. (120/60/1 - 1/12 HP) MOUNT NEAR WATER HEATER. REFER TO WATER HEATER PIPING DETAIL M/P3.1 FOR TYPICAL PIPE CONNECTIONS.	3/4"	---	---	---
S-1	SINK - ELKAY PLAFRU191610 UNDERMOUNT STAINLESS STEEL SINK WITH LK4082GN08LS DECK MOUNTED GOOSENECK FAUCET, LK335 BASKET STRAINER, 1/2" STOPS AND 1-1/2" P-TRAP.	1/2"	1/2"	1-1/2"	1-1/2"
S-2	UTILITY SINK - ELKAY MODEL E1C16X20-0X STAINLESS STEEL SINGLE COMPARTMENT SINK WITH SUPPORT LEGS, LK940BR07L2H FAUCET COMPLETE WITH VACUUM BREAKER, PAIL HOOK AND WALL SUPPORT ROD, LK335 BASKET STRAINER, 1/2" STOPS AND 1-1/2" P-TRAP.	1/2"	1/2"	1-1/2"	1-1/2"

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	HOT	COLD	WASTE	VENT
SH-1	ADA SHOWER - BRADLEY HSC91 RECESSED-MOUNTED ADA COMPLIANT WALL SHOWER WITH PIEZO SWITH (TTPB) CONTROL WITH 3 MINUTE TIMER, (2) ANTI-LIGATURE SHOWER HEADS WITH 2 GPM, AND RECESSED SOAP DISH. MOUNT TO WALL WITH SECURITY SCREWS. MOUNT AT 6'-0"	1/2"	1/2"	---	---
SH-2	SHOWER - BRADLEY MODELHSC9S RECESSED-MOUNTED SHOWER WITH PIEZO SWITH (TTPB) CONTROL WITH 3 MINUTE TIMER, ANTI-LIGATURE SHOWER HEAD WITH 2 GPM, AND RECESSED SOAP DISH. MOUNT TO WALL WITH SECURITY SCREWS. MOUNT SHOWER HEAD AT 6'-0".	1/2"	1/2"	---	--
TP-1	TRAP PRIMER - MI-FAB M2-500-NPB IN-LINE PRIMER. MOUNT EXPOSED IN PIPING CHASE. RUN 1/2" COLD WATER LINE TO EACH FLOOR DRAIN AS SHOWN ON FOUNDATION PLAN P0.1 OR P0.2. REFER TO DETAIL M/P3.1 FOR TYPICAL INSTALLATION.	---	1/2"	---	---
W-1	WASHER-DRYER COMBO UNIT - SPEED QUEEN MODEL SF7003WE STACK WASHER-DRYER COMBO WITH WHITE FINISH. INSTALL RECESSED WASHER BOX IN WALL SIMILAR TO GUY GREY MODEL FB200 GALVANIZED WASHER BOX WITH RIGHT DRAIN AND TOP SUPPLY HOT AND COLD WATER VAVLES. CONNECT WASHER TO WASHER BOX. REFER TO DETAIL D/P3.1 FOR TYPICAL INSTALLATION.	1/2"	1/2"	2"	2"
W-2	COMMERICAL WASHING MACHINE & DRYER - WASHER EQUAL TO MILNOR MODEL 30022-X8R LARGE CAPACITY WASHER. ROUGH-IN AND CONNECT 3/4" H&C WATER LINES WITH SHUT-OFF VALVES. PROVIDE WATER HAMMER ARRESTOR ON EACH LINE. PROVIDE 3/4" BY 60" LONG FLEXIBLE WATER HOSES. RUN 3" DRAIN TO FLOOR SINK.	3/4"	3/4"	3" TO FLOOR SINK	---
WC-1	ADA WATER CLOSET - KOHLER K-96057 "HIGHCLIFF" WITH ELONGATED BOWL, L-4670-C WHITE OPEN FRONT SEAT, SLOAN OPTIMA PLUS (BATTERY) SENSOR FLUSH VALVE AND BOLT CAPS.	---	1"	3"	2"
WC-2	STAINLESS COMBI UNIT - ACORN 1415-CT-2-03-FV ON FLOOR WITH WALL WASTE OUTLET AND FRONT SEAT, SINGLE TEMP METERING CONCEALED CONTROL VALVE WITH PUSH-BUTTON CONTROL, 1" & 1/2" COLD WATER CONNECTIONS AND 1-1/2" & 3" WASTE LINE CONNECTIONS.	1/2" LAV	1/2" LAV 1-1/4" TOILET	1-1/2" LAV 3" TOILET	2"
WC-3	STAINLESS COMBI UNIT - ACORN 1432FA-AL-2-03-FV ON FLOOR WITH WALL WASTE OUTLET AND FRONT SEAT, SINGLE TEMP METERING CONCEALED CONTROL VALVE WITH PUSH-BUTTON CONTROL, 1" & 1/2" COLD WATER CONNECTIONS AND 1-1/2" & 3" WASTE LINE CONNECTIONS. (ANGLED LEFT)	1/2" LAV	1/2" LAV 1-1/4" TOILET	1-1/2" LAV 3" TOILET	2"
WC-4	STAINLESS COMBI UNIT - ACORN 1432FA-AR-2-03-FV ON FLOOR WITH WALL WASTE OUTLET AND FRONT SEAT, SINGLE TEMP METERING CONCEALED CONTROL VALVE WITH PUSH-BUTTON CONTROL, 1" & 1/2" COLD WATER CONNECTIONS AND 1-1/2" & 3" WASTE LINE CONNECTIONS. (ANGLED RIGHT)	1/2" LAV	1/2" LAV 1-1/4" TOILET	1-1/2" LAV 3" TOILET	2"
WH-1	GAS FIRED WATER HEATER - A.O. SMITH BTH-199 WITH SEALED COMBUSTION CHAMBER, 100 GALLON GLASS LINED TANK, 199,000 BTU INPUT CAPACITY AND T&P RELIEF VALVE, EXPANSION TANK, HEAT NIPPLES AND SYMMONS 7-500 MIXING VALVE. REFER TO DETAIL N/P3.1 FOR TYPICAL PIPING AND EQUIPMENT CONNECTIONS. EXTEND WATER HEATER VENTS UP THRU ROOF.	1-1/4"	1-1/4"	---	---
WS-1	WATER SOFTENER - DOMINATOR 954 SERIES, MODEL A954SM-180 SINGLE SYSTEM WATER SOFTENER WITH 1-1/2" LINE CONNECTIONS, 60 GPM PEAK AND 44 CONTINUOUS FLOW RATES, 120,000 GRAIN CAPACITY AT 6# SALT/ CU. FT., BRINE TANK, AND 3200 NT CONTROL VALVE AND FLOW METER	1-1/2"	1-1/2"	---	---

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
990 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8795 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N

ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: PLUMBING FIXTURE SCHEDULE

Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 21063

REVISIONS

NBW PROJECT NO.
21023

DATE:
DECEMBER 2022

DRAWN BY:
M JENSEN

CHECKED BY:
D HANSEN

DRAWING NO.:

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ELECTRICAL LEGEND - LIGHTING

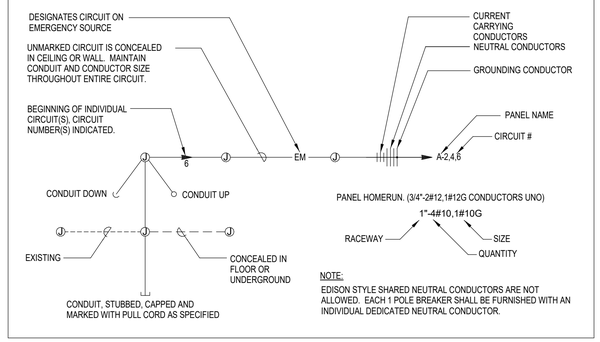
REFERENCE FIXTURE SCHEDULE FOR MOUNTING TYPE, MOUNTING HEIGHT, AND FIXTURE TYPE.

- DOUBLE FACE EXIT SIGN, CEILING MOUNTED, PROVIDE UNSWITCHED CONDUCTOR.
- WALL MOUNTED DOUBLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
- SINGLE FACE EXIT SIGN, CEILING MOUNTED PROVIDE UNSWITCHED CONDUCTOR.
- WALL MOUNTED SINGLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
- ARROW INDICATES DIRECTION TO BE SHOWN ON SIGN.
- 1'X1' LIGHT FIXTURE.
- 1'X1' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- TRACK LIGHT
- 1'X4' LIGHT FIXTURE.
- 1'X4' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- 2'X4' LIGHT FIXTURE.
- 2'X4' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- 2'X2' LIGHT FIXTURE.
- 2'X2' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- DIRECT/INDIRECT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH.
- DIRECT/INDIRECT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR
- STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH.
- STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR
- WALL MOUNTED LIGHT FIXTURE.
- WALL MOUNTED LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- RECESSED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- ROUND LIGHT FIXTURE
- ROUND EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- WALL MOUNTED LIGHT FIXTURE.
- WALL MOUNTED EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- POLE LIGHT 1 HEAD WITH POLE
- TC — TIME CLOCK
- PC — PHOTO CONTROL CELL LOCATED 12" ABOVE ROOF FACING NORTH.
- OS — OCCUPANCY SENSOR. PROVIDE RELAYS AND POWER PACKS AS REQUIRED.
- D — LED DRIVER
- EMERGENCY EGRESS LIGHTING WITH OUT FIXTURE HEADS. CONNECT TO AN UNSWITCHED CONDUCTOR.
- EMERGENCY EGRESS LIGHTING. CONNECT TO AN UNSWITCHED CONDUCTOR.
- WALL MOUNTED SINGLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
- CEILING MOUNTED. SINGLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR.
- CEILING MOUNTED. DOUBLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR.
- XXX — INDICATES FIXTURE TYPE. REFER TO FIXTURE SCHEDULE.
- EXTERIOR WALL PACK
- EMERGENCY EXTERIOR WALL PACK. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR

DEVICES

- S — SWITCH, TYPE AS INDICATED. +46"AFF
  - 2 DOUBLE POLE
  - 3 3-WAY
  - 4 4-WAY
  - K KEYED
  - P PILOT LIGHT
  - D DIMMER
  - HP HORSEPOWER RATED
  - TO THERMAL OVERLOAD
  - LV LOW VOLTAGE
  - OS OCCUPANCY SENSOR
  - OR LOW VOLTAGE, MOMENTARY OVERRIDE
  - VS VACANCY SENSOR
  - a SUPERSCRIPT INDICATES LIGHTS TO BE SWITCHED TOGETHER
- S^{S} — DUAL LEVEL SWITCHING, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY.
- S^{DS} — DUAL LEVEL SWITCHING WITH OCCUPANCY SENSOR, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY.
- S^{OS} — OCCUPANCY SENSOR WITH MANUAL DIMMING, SET FOR 50% AUTOMATIC ON, AUTOMATIC OFF, WITH MANUAL DIMMING.
- SINGLE CONVENIENCE OUTLET, +18" AFF UNO
- FLOOR MOUNT SINGLE CONVENIENCE OUTLET
- DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
- FLOOR MOUNT DUPLEX CONVENIENCE OUTLET
- EMERGENCY DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
- SWITCHED DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
- FLOOR MOUNTED SWITCHED DUPLEX CONVENIENCE OUTLET
- USB DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
- USB FOURPLEX CONVENIENCE OUTLET, +18" AFF UNO
- FOURPLEX CONVENIENCE OUTLET. +18"AFF UNO
- FLOOR MOUNT FOURPLEX CONVENIENCE OUTLET
- CONNECTION POINT TO EQUIPMENT SPECIFIED, ELECTRICAL CONTRACTOR TO SUPPLY RACEWAY AND CONDUCTORS AND MAKE FINAL CONNECTION TO EQUIPMENT UNDER THIS SECTION. UNO
- FLOOR MOUNTED CONNECTION POINT, SEE NOTE ABOVE FOR REQUIREMENTS
- FLOOR MOUNTED JUNCTION BOX
- JUNCTION BOX
- WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO
- HC — WALL MOUNTED PUSH BUTTON, HANDICAPPED MOUNT AT SWITCH HEIGHT UNO
- WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO
- MOTOR STARTER/CONTACTOR, SIZE/POLES NEMA 1 UNO AS INDICATED
- COMBINATION STARTER AND DISCONNECT, SIZE/POLES, STARTER SIZE AS INDICATED, NEMA 1 UNO
- F — FUSED DISCONNECT SWITCH, SIZE/POLES, FUSE SIZES AS INDICATED, NEMA 1 UNO
- NON-FUSED DISCONNECT SIZE/ POLES AS INDICATED, NEMA 1 UNO
- T (unit-#) — THERMOSTAT, +46" AFF PROVIDE CONDUIT, J-BOX. CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS. UNO COORDINATE WITH DIVISION 15.
- H (unit-#) — HUMIDISTAT, +46" AFF PROVIDE CONDUIT, J-BOX, CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS.
- POWER POLE - DUAL CHANNEL
- REB — RECESSED ENTERTAINMENT BOX
- T — TRANSFORMER
- PANELBOARD. SEE SCHEDULE FOR TYPE.
- EQUIPMENT CABINET, SURFACE MOUNTED
- EQUIPMENT CABINET FLUSH MOUNTED
- SURFACE MULTI-OUTLET RACEWAY
- # / # — MECHANICAL EQUIPMENT CALL OUT
- # — KITCHEN EQUIPMENT CALLOUT

CIRCUITING SYMBOLS



ONE LINE

- DELTA WYE TRANSFORMER UNO
- # / PANEL NAME / VOLTAGE / PHASE — PANEL BOARD, SEE SCHEDULE FOR TYPE AND SIZE
- ##A / #P — CIRCUIT BREAKER, SIZE AND POLES INDICATED
- ##A — FUSE, SIZE AND TYPE INDICATED, PROVIDE FUSE FOR EACH POLE
- ##A / #P — INTERRUPTER SWITCH, SIZE AND POLES INDICATED
- ##A / #P — FUSED SWITCH, SIZE/POLES AND FUSE SIZE INDICATED
- ##A / #P — DRAW OUT CIRCUIT BREAKER, SIZE AND POLES INDICATED
- S — INDIVIDUAL BREAKER WITH SHUNT TRIP, SIZE AND POLES INDICATED. NEMA 1 UNO
- INDIVIDUAL BREAKER, SIZE AND POLES INDICATED. NEMA 1 UNO
- GFP — GROUND FAULT PROTECTION
- TVSS — TRANSIENT VOLTAGE SURGE SUPPRESSION
- LSIGR — ADJUSTABLE BREAKER SETTINGS (PER SPECIFICATIONS):
  - 'L'-LONG TIME
  - 'S'-SHORT TIME
  - 'I'-INSTANTANEOUS
  - 'G'-GROUND FAULT
  - 'R'-ENERGY REDUCING MAINTENANCE SWITCH W/STATUS INDICATOR
- GROUND
- ST — SHUNT TRIP COIL
- M — MOTOR
- 100A 3P — DISCONNECT SWITCH, SIZE AND POLES INDICATED. NEMA 1 UNO
- OVERHEAD SERVICE DROP
- G/E — GENERATOR SET, MAIN BREAKER SIZE INDICATED
- AUTOMATIC TRANSFER SWITCH (ATS)
- METER AND BASE
- N — NEUTRAL
- T — DRY TYPE TRANSFORMER
- PAD MOUNT TRANSFORMER

SECURITY

- CCTV CAMERA POWER SUPPLY
- CCTV SYSTEM POWER SUPPLY
- ADJUSTABLE CAMERA (PAN/TILT/ZOOM)
- FIXED CAMERA
- CAMERA IN OUTDOOR HOUSING
- ADJUSTABLE CAMERA (PAN/TILT/ZOOM) IN OUTDOOR HOUSING
- C — CCTV OUTLET, +18" UNO
- C — CEILING MOUNTED CCTV OUTLET
- K — SECURITY SYSTEM KEYPAD CONTROLLER COORDINATE BOX SIZE AND MUDRING WITH VENDOR
- CR — CARD READER
- M — CEILING MOUNTED MOTION SENSOR
- +80" M — WALL MOUNTED MOTION SENSOR, MOUNTING HEIGHT INDICATED
- PANIC BUTTON - MOUNTED UNDER COUNTER

NOTE:	THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL SYMBOLS. SOME OF THE SYMBOLS SHOWN MAY NOT HAVE BEEN USED IN THIS DRAWING PACKAGE.

ELECTRICAL GENERAL NOTES

A. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE; THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE ELECTRICAL CONTRACTOR.

B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED UNLESS LOCATED WITHIN DEDICATED ELECTRICAL OR MECHANICAL ROOMS. USE OF SURFACE MOUNTED RACEWAYS IN ALL OTHER SPACES MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE SURFACE RACEWAYS ARE APPROVED, UTILIZE WIREMOLD, OR APPROVED EQUAL. SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.

C. REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON AT THE DEVICES.

D. PROVIDE PULL-LINE IN ALL EMPTY CONDUITS.

E. TERMINATE ALL LOW-VOLTAGE CONDUITS WITH INSULATED THROAT BUSHING.

F. MECHANICAL EQUIPMENT INDICATED IS SHOWN IN AN APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

G. ALL NON-LOCKING, 120-V, 15 AND 20-AMP RECEPTACLES SHALL BE LISTED TAMPER-RESISTENT RECEPTACLES PER NEC 406.12

FIRE ALARM:

H. INSTALL PLENUM RATED FIRE ALARM CONDUCTORS FROM ALL FIRE ALARM DEVICES INDICATED TO THE FIRE ALARM CONTROL PANEL OR NAC EXTENDER PANEL(S) AS REQUIRED. STUB 3/4" CONDUIT FROM DEVICE TO VOID ABOVE CEILING. PROVIDE NAC EXTENDER PANELS (QUANTITY AS REQUIRED) IN LOCATIONS INDICATED AND CIRCUITING AS REQUIRED FOR A COMPLETE INSTALLATION. CIRCUIT THE FIRE ALARM NOTIFICATION AND INITIATION DEVICES PER THE ELECTRICAL SPECIFICATIONS. FURNISH AND INSTALL ALL APPURTENANCES AND PROGRAMMING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO ELECTRICAL FIRE ALARM SPECIFICATIONS FOR SYSTEM REQUIREMENTS AND SUBMITTAL PROCEDURES.

SITE:

I. CONTRACTOR SHALL COORDINATE WITH AN UNDERGROUND LOCATING SERVICE PRIOR TO COMMENCING WORK. SEE CIVIL DRAWINGS FOR ADDITIONAL SITE INFORMATION. COORDINATE WITH OTHER SITE DISCIPLINES.

J. SITE LIGHTING AND UTILITY EQUIPMENT SHOWN IN APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH CIVIL DRAWINGS, PROPERTY LINES, AND UTILITY COMPANIES PRIOR TO ROUGH-IN.

K. REFER TO POLE BASE DETAIL FOR SITE LIGHTING POLE BASE REQUIREMENTS.

L. ROUTE CONDUITS IN COMMON TRENCH WHERE POSSIBLE REFER TO TRENCHING DETAIL.

COMMUNICATIONS

- JUNCTION BOX FOR FUTURE TELEPHONE/DATA OUTLET. MOUNT AT 18" A.F.F. UNO. PROVIDE SINGLE-GANG MUD RING WITH BLANK COVER PLATE. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE.
- #D,#T — TELEPHONE/DATA OUTLET. MOUNT AT 18" A.F.F. UNO. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING. INSTALL QUANTITY OF DATA (#D) AND TELEPHONE (#T) CABLES INDICATED TO THE NEAREST DATA RACK. PROVIDE (2) DATA CABLES IF A CABLE QUANTITY IS NOT INDICATED.
- FLOOR MOUNTED BOX FOR FUTURE TELEPHONE/DATA OUTLET. JUNCTION BOX WITH SINGLE-GANG MUD RING. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE. PROVIDE BLANK COVER PLATE.
- #D,#T — FLOOR MOUNTED TELEPHONE/DATA OUTLET. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING. INSTALL QUANTITY OF DATA (#D) AND TELEPHONE (#T) CABLES INDICATED TO THE NEAREST DATA RACK. PROVIDE (2) DATA CABLES IF A CABLE QUANTITY IS NOT INDICATED.
- IC — INTERCOM SYSTEM CALL BUTTON. +46" UNO.
- SP — CEILING MOUNTED SPEAKER WITH BACKBOX
- SP — WALL MOUNTED SPEAKER, WITH BACKBOX +80" UNO
- V — VOLUME CONTROL, +46" UNO
- TV — TELEVISION OUTLET, +18" AFF UNO, PROVIDE 1-1/4" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE
- TV — CEILING MOUNTED TELEVISION OUTLET
- TTB — TELEPHONE TERMINAL BOARD
- CT-XX — CABLE TRAY, 4" DEEP, WIRE BASKET STYLE, 'XX' INDICATES WIDTH PROVIDE ALL FITTINGS AND SUPPORT HARDWARE REQUIRED

ELECTRICAL ABBREVIATIONS

A	AMPERES
AC	6" ABOVE BACKSPLASH
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AF	AMP FRAME
AIC	AMPS INTERRUPTING CAPACITY
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BD	BOTTOM OF DECK
BS	BOTTOM OF STRUCTURE
C	CEILING MOUNTED
C	CONDUIT
CB	CIRCUIT BREAKER
CF	COMPACT FLUORESCENT
CKT	CIRCUIT
CO	CONDUIT ONLY, PROVIDE PULL-LINE
CT	CURRENT TRANSFORMER
CTL	CONTROL
DC	DIRECT CURRENT
(D)	DEMOLITION
DEMO	DEMOLITION
DET	DETAIL
DTT	DOUBLE TWIN TUBE
E	EMERGENCY
(E)	EXISTING
EC	ELECTRICAL CONTRACTOR
EL	EMERGENCY LIGHT
F	FUSE
(F)	FUTURE
FACP	FIRE ALARM CONTROL PANEL
G/GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
HH	HAND HOLE
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO
HPS	HIGH PRESSURE SODIUM
HVAC	HEATING, VENTILATION, & AIR CONDITIONING
IG	ISOLATED GROUND
IPCO	IDAHO POWER COMPANY
J-BOX	JUNCTION BOX
KA	KILOAMP
KVA	KILO VOLT-AMP
KW	KILOWATT
KWH	KILOWATT HOUR
LCP	LIGHTING CONTROL PANEL
MB	MAIN BREAKER
MBR	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MMC	MODULAR METERING CENTER
MH	METAL HALIDE
MSB	MAIN SWITCH BOARD
MTG	MOUNTING
N	NEUTRAL
(N)	NEW
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OH	OVERHEAD
OS	OCCUPANCY SENSOR
P	POLES
PC	PHOTO-CONTROL
PVC	POLYVINYL CHLORIDE
PWR	POWER
RE:	REFERENCE
REC	RECEPTACLE
(R)	RELOCATED
SF	SQUARE FEET
TBD	TO BE DETERMINED
TDR	TIME DELAY RELAY
TK	TOE KICK
TSP	TWISTED SHIELDED PAIR
TRT	TRIPLE TUBE
TTB	TELEPHONE TERMINAL BOARD
(TYP.)	TYPICAL
UC	UNDERCABINET
UG	UNDERGROUND
U.N.O.	UNLESS NOTED OTHERWISE
V	VOLT
VA	VOLT-AMPERE
W	WATT
WG	WIRE GUARD
WP	WEATHER PROOF/NEMA 3R

PROVIDED/ PROVIDE BY INSTALLED/ INSTALL	PROVIDE AND INSTALL / PROVIDED AND INSTALLED BY /
NOTE:	THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL ABBREVIATIONS. SOME OF THE ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE.

FIRE ALARM - DESIGN BUILD NOTES

A. THE FIRE ALARM SYSTEM WILL BE DESIGN BUILD BY THE CONTRACTOR. THE FIRE ALARM CONTRACTOR SHALL PRODUCE A FIRE ALARM SUBMITTAL THAT INCLUDES ALL DRAWINGS, CALCULATIONS AND CUT SHEETS REQUIRED TO OBTAIN COMPLETE APPROVAL FROM ALL APPROVING AGENCIES.

B. THE FIRE ALARM CONTRACTOR SHALL PROVIDE FIRE ALARM SUBMITTALS TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO SUBMITTING TO THE AUTHORITY HAVING JURISDICTION AND AND SHALL NOT PROCEED UNTIL THESE SUBMITTALS HAVE BEEN REVIEWED, APPROVED AND RETURNED.

C. REFER TO THE ARCHITECTURAL CODE PLAN(S) FOR THE OCCUPANCY TYPES AND OCCUPANCY LOADS FOR EACH AREA.

D. UTILIZE CURRENTLY ADOPTED CODES AND AMENDMENTS FOR FIRE ALARM REQUIREMENTS.

E. THE BUILDING IS FULLY SPRINKLED WITH BOTH WET AND DRY SPRINKLER SYSTEMS.

F. THE FIRE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL ALL FIRE ALARM INITIATING, MONITORING (SMOKE/ FIRE/ CARBON MONOXIDE), INTERFACE AND RELATED DEVICES AND EQUIPMENT AS REQUIRED FOR A COMPLETE AND FUNCTIONING CODE COMPLIANT SYSTEM.

G. THE FIRE ALARM SYSTEM SHALL PROVIDE ALL REQUIRED NOTIFICATION THROUGH OUT THE FACILITY. COORDINATE THE MOUNTING HEIGHTS OF THE NOTIFICATION DEVICES WITH THE CEILING AND STRUCTURE HEIGHTS IN THE BUILDING. REFER TO ARCHITECTURAL PLANS FOR CEILING/STRUCTURE INFORMATION.

H. PROVIDE ALL IN-DUCT AND/OR DUCT SMOKE DUCT DETECTORS AS REQUIRED. COORDINATE THE FINAL QUANTITY AND LOCATIONS WITH MECHANICAL CONTRACTOR.

I. THE FIRE ALARM CONTROL PANEL SHALL BE LOCATED IN THE FIRE RISER ROOM. THE NOTIFICATION APPLIANCE CIRCUIT POWER SUPPLIES SHALL BE LOCATED IN ELECTRICAL ROOMS, STORAGE AND SIMILAR ROOMS ADJACENT TO ELECTRICAL PANELS.

J. PROVIDE 120V POWER, CONTROL RELAYS AND IN-DUCT DETECTORS FOR ALL SMOKE AND SMOKE/FIRE DAMPERS. COORDINATE WITH MECHANICAL PLANS.

K. PROVIDE SMOKE DETECTORS, RELAYS AND RELATED CONNECTIONS FOR ALL DOOR HOLD OPENS AS REQUIRED.

L. PROVIDE ALL 120V CIRCUITS AS REQUIRED TO ACCOMMODATE FIRE ALARM CONTROL PANEL, DRY SYSTEM AIR COMPRESSOR(S), NITROGEN GENERATOR(S), FIRE BELLS, NAC EXTENDER PANELS, AMPLIFIER PANELS AND RELATED ITEMS.

M. ALL FIRE ALARM CIRCUIT BREAKERS SHALL HAVE A RED HANDLE AND BE LOCKABLE TYPE.

N. THE FIRE ALARM SYSTEM SHALL INCLUDE A FLUSH MOUNTED REMOTE ANNUNCIATOR LOCATED IN AN OCCUPIED AREA IN THE KEY, RECEPTION OR SIMILAR AREA. LOCATION(S) SHALL BE COORDINATED WITH THE ARCHITECT AND OWNER PRIOR TO PREPARING THE REQUIRED SUBMITTALS.

O. FIRE ALARM CABLING SHALL BE CONCEALED. AREAS IN WALLS, ABOVE HARD CEILINGS AND SIMILAR (NON-ACCESSIBLE AREAS) SHALL BE IN CONDUIT. EXPOSED CABLING IS NOT ALLOWED.

P. PROVIDE ALL DETECTION, MONITOR AND CONTROL DEVICES AS REQUIRED FOR THE ELEVATOR(S).

Q. THE BUILDING HAS A FIRE PUMP. PROVIDE ALL MONITORING AND CONTROLS AS REQUIRED.

R. THE FIRE ALARM CONTRACTOR SHALL PRODUCE RECORD DOCUMENTS OF THE ACTUAL SYSTEM AS INSTALLED. THE RECORD DOCUMENTS SHALL BE PRODUCED TO THE ACCEPTANCE OF THE ARCHITECT AND ENGINEER. ONE COMPLETE SET OF PRINTED DOCUMENTS AND A PDF VERSION SHALL BE DELIVERED TO THE ARCHITECT.

S. INSTALL PLENUM RATED FIRE ALARM CONDUCTORS FROM ALL FIRE ALARM DEVICES INDICATED TO THE FIRE ALARM CONTROL PANEL OR NAC EXTENDER PANEL(S) AS REQUIRED. STUB 3/4" CONDUIT FROM DEVICE TO VOID ABOVE CEILING. PROVIDE NAC EXTENDER PANELS (QUANTITY AS REQUIRED) IN LOCATIONS INDICATED AND CIRCUITING AS REQUIRED FOR A COMPLETE INSTALLATION. CIRCUIT THE FIRE ALARM NOTIFICATION AND INITIATION DEVICES PER THE ELECTRICAL SPECIFICATIONS. FURNISH AND INSTALL ALL APPURTENANCES AND PROGRAMMING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO ELECTRICAL FIRE ALARM SPECIFICATIONS FOR SYSTEM REQUIREMENTS AND SUBMITTAL PROCEDURES.

T. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

MUSGROVE ENGINEERING, P.A.
234 S. Whisperwood Way
Boise, ID 83709
208.384.0585
645 West 25th Street
Idaho Falls, ID 83402
208.523.2862
www.musgrovepa.com
PROJECT NO. 21-471

PROFESSIONAL ENGINEER — REGISTERED — 13299 — 12-30-2023 — STATE OF IDAHO — MATTHEW N. BRADLEY

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208.522.8775 (F) 208.522.8795 (W) nbwarchitects.com

DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ELECTRICAL COVER SHEET

REVISIONS

PROJECT NO. 21023
DATE: DECEMBER 2022
DRAWN BY: CJ
CHECKED BY: MB

DRAWING NO.: E0.0

1/14/2023 8:51:11 AM P:\Files\2021\21471\WORKING MEP\21471_ELECTRICAL MODEL.rvt

COMcheck Software Version 4.1.5.5

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: ST. ANTHONY COTTAGES
Project Type: New Construction

Construction Site:
2220 E 600 N
ST ANTHONY, ID 83445

Owner/Agent:
ST. ANTHONY COTTAGES
2220 E 600 N
ST ANTHONY, ID 83445

Designer/Contractor:
MATTHEW BRADLEY
MUSGROVE ENGINEERING
645 W 25TH ST
IDAHO FALLS, ID 83402
208-523-2862
MATTB@MUSGROVEPA.COM

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
Reduced Lighting Power, 1.0 credit

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Health Care-Clinic	11044	0.74	8150
		Total Allowed Watts =	8150

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Health Care-Clinic				
LED 1: A: LED Panel 33W:	1	62	31	1922
LED 2: B2: LED Other Fixture Unit 28W:	1	30	35	1050
LED 3: C: LED Other Fixture Unit 46W:	1	30	45	1350
LED 4: D: LED Other Fixture Unit 46W:	1	7	46	322
LED 5: B1/B3: LED Other Fixture Unit 13W:	1	8	10	83
LED 6: G: LED Other Fixture Unit 36W:	1	10	37	370
LED 7: H: LED Other Fixture Unit 13W:	1	8	13	104
		Total Proposed Watts =		5201

Interior Lighting PASSES: Design 36% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

MATTHEW BRADLEY, P.E. — Name - Title
Signature
12/30/2022 — Date

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.2 [EL22][1]	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1, C405.2.1.1 [EL18][1]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.2 [EL19][1]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.3 [EL20][1]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.2, C405.2.2.1, C405.2.2.2 [EL21][2]	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

COMcheck Software Version 4.1.5.5

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: ST. ANTHONY COTTAGES
Project Type: New Construction
Exterior Lighting Zone 2 (Residential mixed use area (LZ2))

Construction Site:
2220 E 600 N
ST ANTHONY, ID 83445

Owner/Agent:
ST. ANTHONY COTTAGES
2220 E 600 N
ST ANTHONY, ID 83445

Designer/Contractor:
MATTHEW BRADLEY
MUSGROVE ENGINEERING
645 W 25TH ST
IDAHO FALLS, ID 83402
208-523-2862
MATTB@MUSGROVEPA.COM

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Pedestrian and vehicular entrances and exits	15 ft of door	14	Yes	210
		Total Tradable Watts (a) =		210
		Total Allowed Watts =		210
		Total Allowed Supplemental Watts (b) =		400

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Pedestrian and vehicular entrances and exits (15 ft of door width): Tradable Wattage				
LED 1: X1E: LED Other Fixture Unit 13W:	1	4	13	52
		Total Tradable Proposed Watts =		52

Exterior Lighting PASSES: Design 91% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

MATTHEW BRADLEY, P.E. — Name - Title
Signature
12/30/2022 — Date

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3.1, C405.2.3.2 [EL23][2]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.4 [EL26][1]	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.4 [EL27][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.5 [EL28][2nd]	Manual controls required by the energy code are in a location with ready access to occupants and located where the controlled lights are visible, or identify the area served and their status.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.6 [EL30][2nd]	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.3 [EL6][1]	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.6 [EL26][2]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.7 [EL27][2]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.8.2, C405.8.2.1 [EL28][2]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.9 [EL29][2]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

COMcheck Software Version 4.1.5.5

Inspection Checklist

Energy Code: 2018 IECC

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C103.2 [PR8][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.5 [PR16][1]	Group R-2 dwelling units have separate electrical meters.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C406 [PR9][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.2 [EL22][1]	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1, C405.2.1.1 [EL18][1]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.2 [EL19][1]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.3 [EL20][1]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.2, C405.2.2.1, C405.2.2.2 [EL21][2]	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

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PROJECT NO. 21-471

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PROJECT: DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE: LIGHTING COMPLIANCE

REVISIONS

PROJECT NO. 21023
DATE: DECEMBER 2022
DRAWN BY: CJ
CHECKED BY: MB

DRAWING NO.: E0.1

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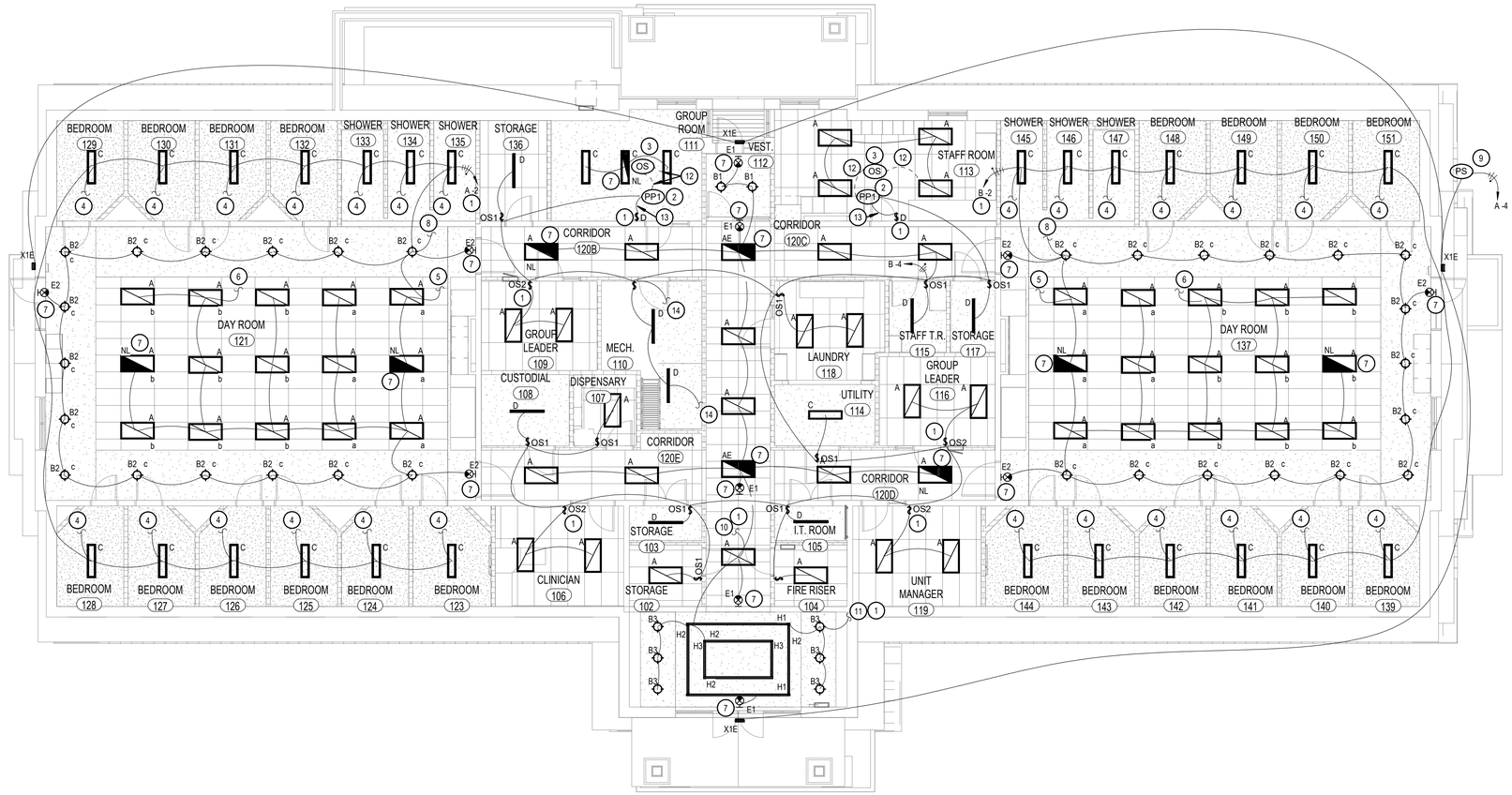
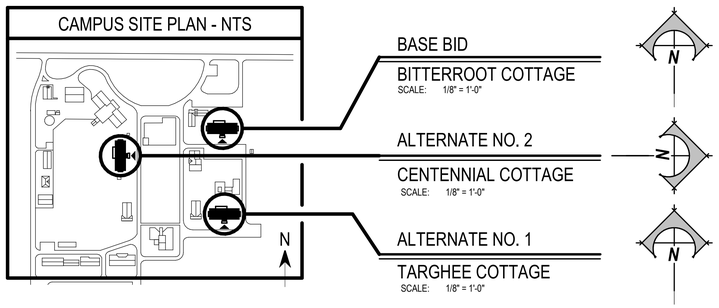


LIGHTING PLAN

SCALE: 1/8" = 1'-0"



BASE BID

BITTERROOT COTTAGE

SCALE: 1/8" = 1'-0"

ALTERNATE NO. 2

CENTENNIAL COTTAGE

SCALE: 1/8" = 1'-0"

ALTERNATE NO. 1

TARGHEE COTTAGE

SCALE: 1/8" = 1'-0"

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. INSTALL 0-10V DIMMING CONDUCTORS TO ALL LIGHTS CONTROLLED BY THIS SWITCH.
2. INSTALL POWER PACK COMPATIBLE WITH CEILING OCCUPANCY SENSOR.
3. INSTALL DUAL TECHNOLOGY CEILING MOUNT SMALL MOTION OCCUPANCY SENSOR AND CONNECT WITH LOW VOLTAGE CABLE AS RECOMMENDED BY THE MANUFACTURER.
4. CONNECT DAYTIME LIGHT TO CONTROLS IN ACCESS CONTROL ROOM 201. CONNECT NIGHTTIME LIGHT TO CONTROLS IN IT ROOM. COORDINATE WITH ACCURATE CONTROLS PRIOR TO WORK.
5. CONNECT ZONE A TO CONTROLS IN ACCESS CONTROL ROOM 201. COORDINATE WITH ACCURATE CONTROLS PRIOR TO WORK.
6. CONNECT ZONE B TO CONTROLS IN ACCESS CONTROL ROOM 201. COORDINATE WITH ACCURATE CONTROLS PRIOR TO WORK.
7. EXIT SIGN, EMERGENCY LIGHT, AND/OR NIGHT LIGHT. CONNECT (ALWAYS HOT) TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY LIGHTING CONTROLS. CONNECT TO CONTROLS IN IT ROOM. COORDINATE WITH ACCURATE CONTROLS PRIOR TO WORK.
8. CONNECT ZONE D TO CONTROLS IN ACCESS CONTROL ROOM. COORDINATE WITH ACCURATE CONTROLS PRIOR TO WORK.
9. INSTALL PHOTOCELL COMPATIBLE WITH LIGHTS AT 1FT BELOW PARAPET.
10. CONNECT HALLWAY LIGHTS TO CONTROLS IN ACCESS CONTROL ROOM 201. COORDINATE WITH ACCURATE CONTROLS PRIOR TO WORK.
11. CONNECT LOBBY LIGHTS TO CONTROLS IN ACCESS CONTROL ROOM 201. COORDINATE WITH ACCURATE CONTROLS PRIOR TO WORK.
12. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL LOW VOLTAGE CABLE BETWEEN CEILING MOUNT OCCUPANCY SENSORS, LOW VOLTAGE SWITCH, AND POWER PACK AS RECOMMENDED BY THE MANUFACTURER.
13. INSTALL 0-10V DIMMING CONDUCTORS AND 24V LOW VOLTAGE CABLE BETWEEN POWER PACK AND SWITCH AS RECOMMENDED BY THE MANUFACTURER.
14. CONNECT TO LIGHTING ON MEZZANINE LEVEL. SEE SHEET E1.2.

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645 West 25th Street
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DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: LIGHTING PLAN

REVISIONS

PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
CJ
CHECKED BY:
MB

DRAWING NO.:

E1.1

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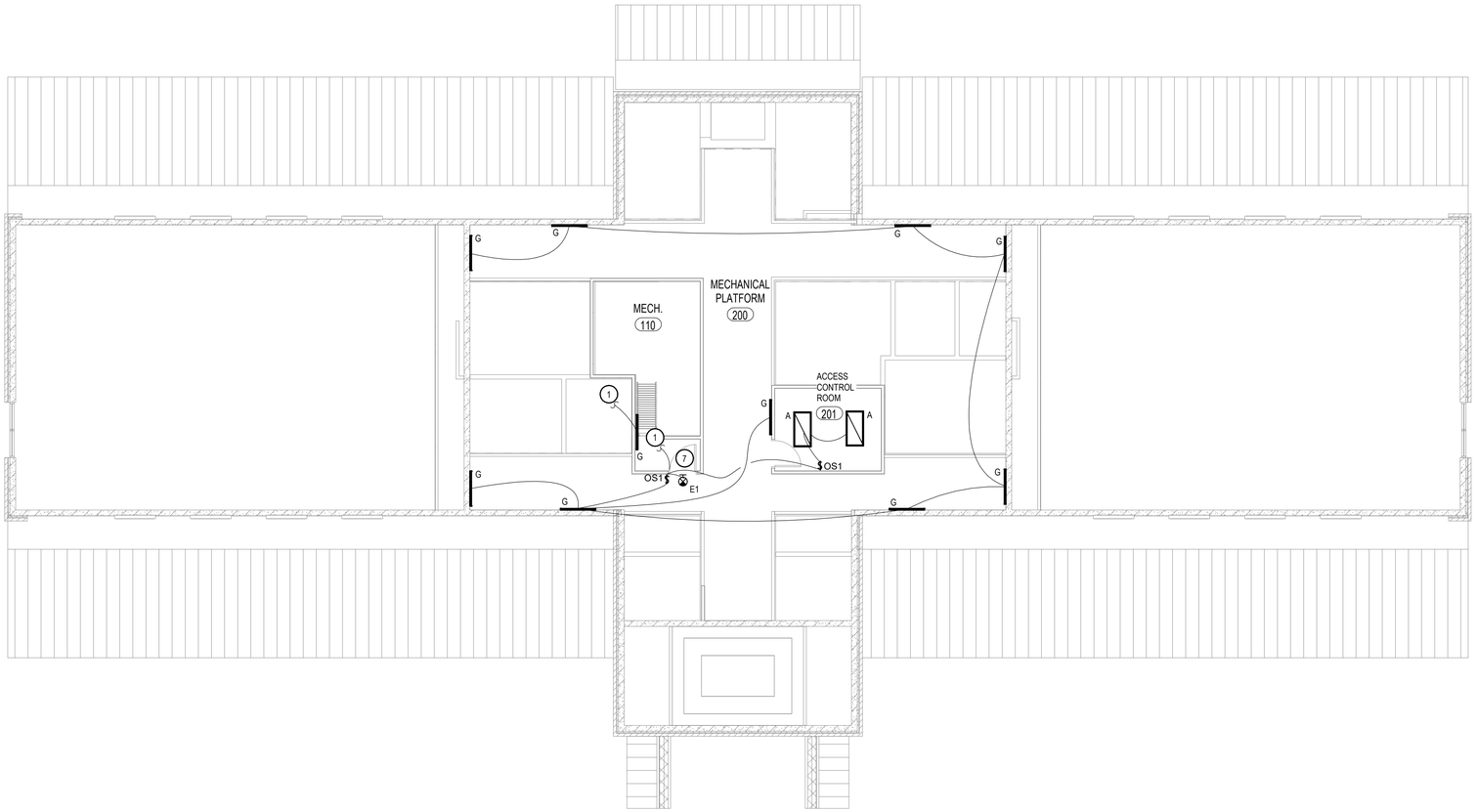
PROJECT NO. 21-471

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

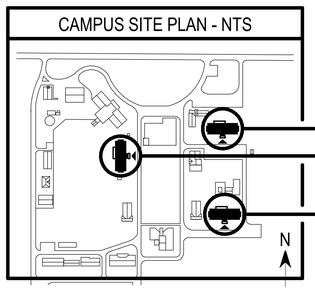
1. CONNECT TO LIGHTING ON 1ST LEVEL. SEE SHEET E1.1.



MEZZANINE LIGHTING PLAN

SCALE: 1/8" = 1'-0"

CAMPUS SITE PLAN - NTS



BASE BID

BITTERROOT COTTAGE
SCALE: 1/8" = 1'-0"

ALTERNATE NO. 2

CENTENNIAL COTTAGE
SCALE: 1/8" = 1'-0"

ALTERNATE NO. 1

TARGHEE COTTAGE
SCALE: 1/8" = 1'-0"

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DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: MEZZANINE LIGHTING PLAN

REVISIONS

PROJECT NO. 21023
DATE: DECEMBER 2022
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CHECKED BY: MB

DRAWING NO.: E1.2

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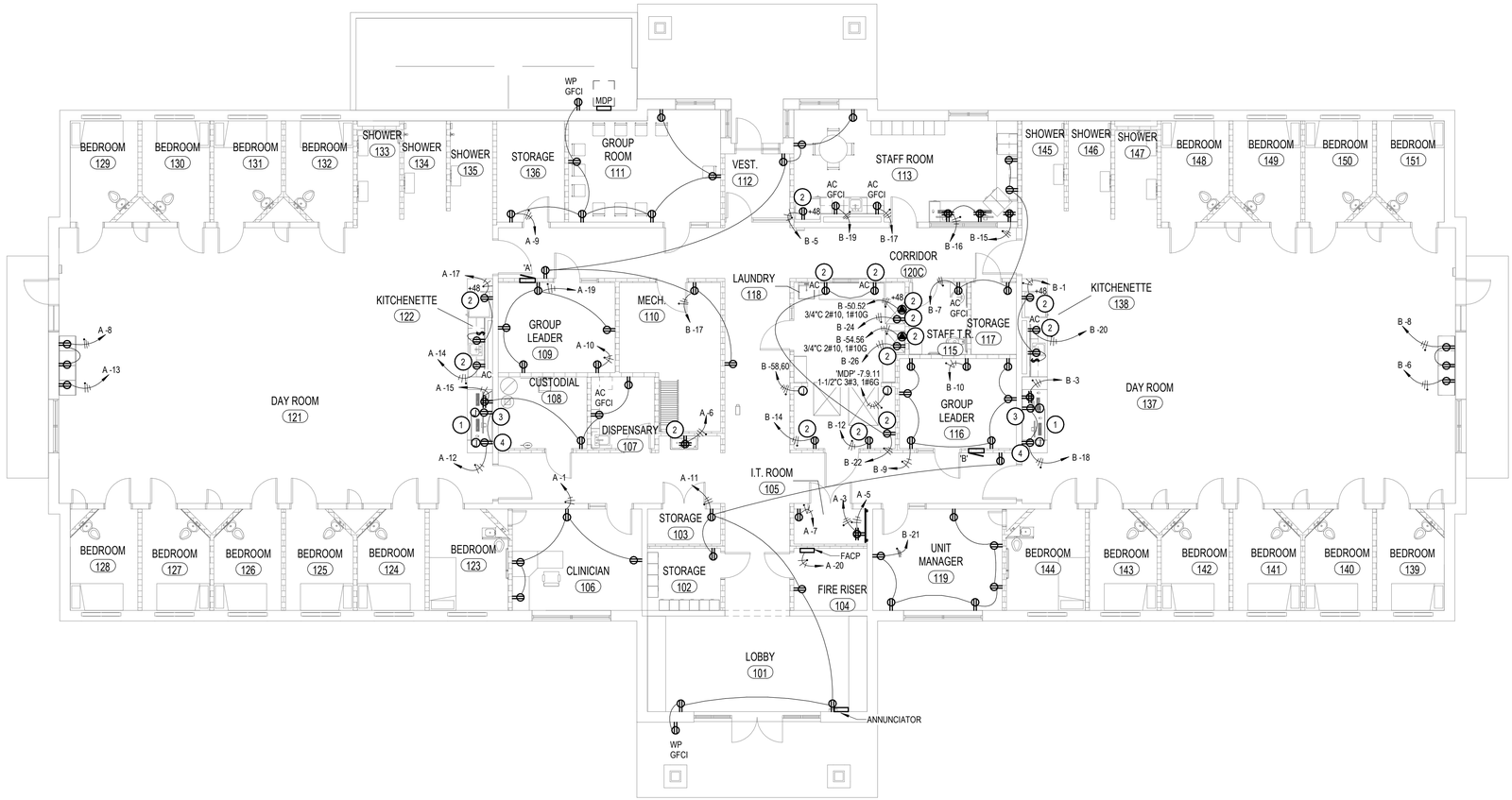
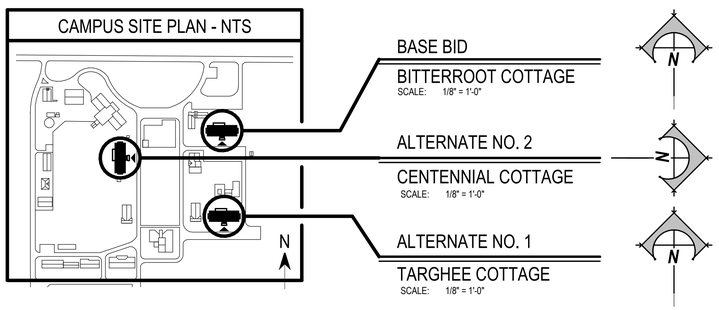


POWER PLAN

SCALE: 1/8" = 1'-0"



BASE BID

BITTERROOT COTTAGE

SCALE: 1/8" = 1'-0"

ALTERNATE NO. 2

CENTENNIAL COTTAGE

SCALE: 1/8" = 1'-0"

ALTERNATE NO. 1

TARGHEE COTTAGE

SCALE: 1/8" = 1'-0"

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. 1"C FOR AUDIO VISUAL CABLE FROM TV TO DVD PLAYER IN CABINET.
2. GROUND FAULT INTERRUPTING CIRCUIT BREAKER INSTALLED IN ELECTRICAL PANEL.
3. RECEPTACLE FOR TV, COORDINATE LOCATION WITH ARCHITECT PRIOR TO WORK.
4. RECEPTACLE FOR DVD PLAYER IN CABINET, COORDINATE LOCATION WITH ARCHITECT PRIOR TO WORK.

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PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
POWER PLAN

REVISIONS

PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
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E2.1

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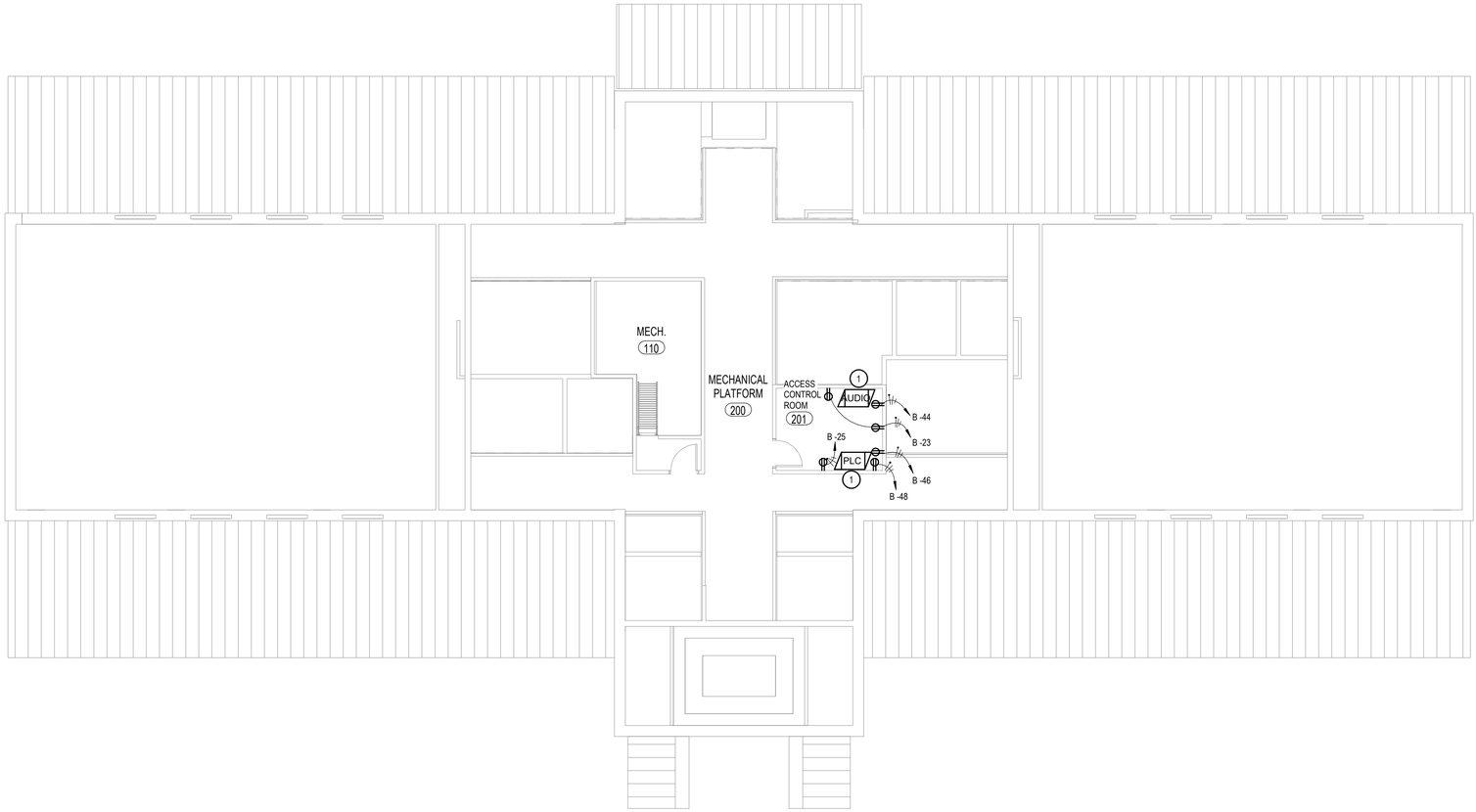
KEYED NOTES:

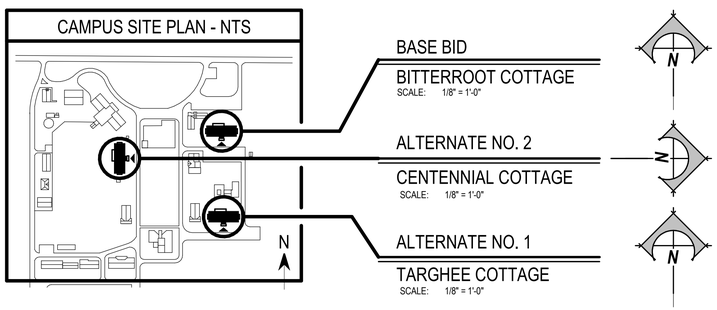
(#) SYMBOL USED FOR CALLOUT

1. AUDIO/PLC TERMINATION RACK. COORDINATE WITH ACCURATE CONTROLS PRIOR TO WORK.



MEZZANINE POWER AND ACCESS CONTROLS PLAN

SCALE: 1/8" = 1'-0"



BASE BID

BITTERROOT COTTAGE

SCALE: 1/8" = 1'-0"

ALTERNATE NO. 2

CENTENNIAL COTTAGE

SCALE: 1/8" = 1'-0"

ALTERNATE NO. 1

TARGHEE COTTAGE

SCALE: 1/8" = 1'-0"

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PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
MEZZANINE POWER AND ACCESS CONTROLS PLAN

REVISIONS

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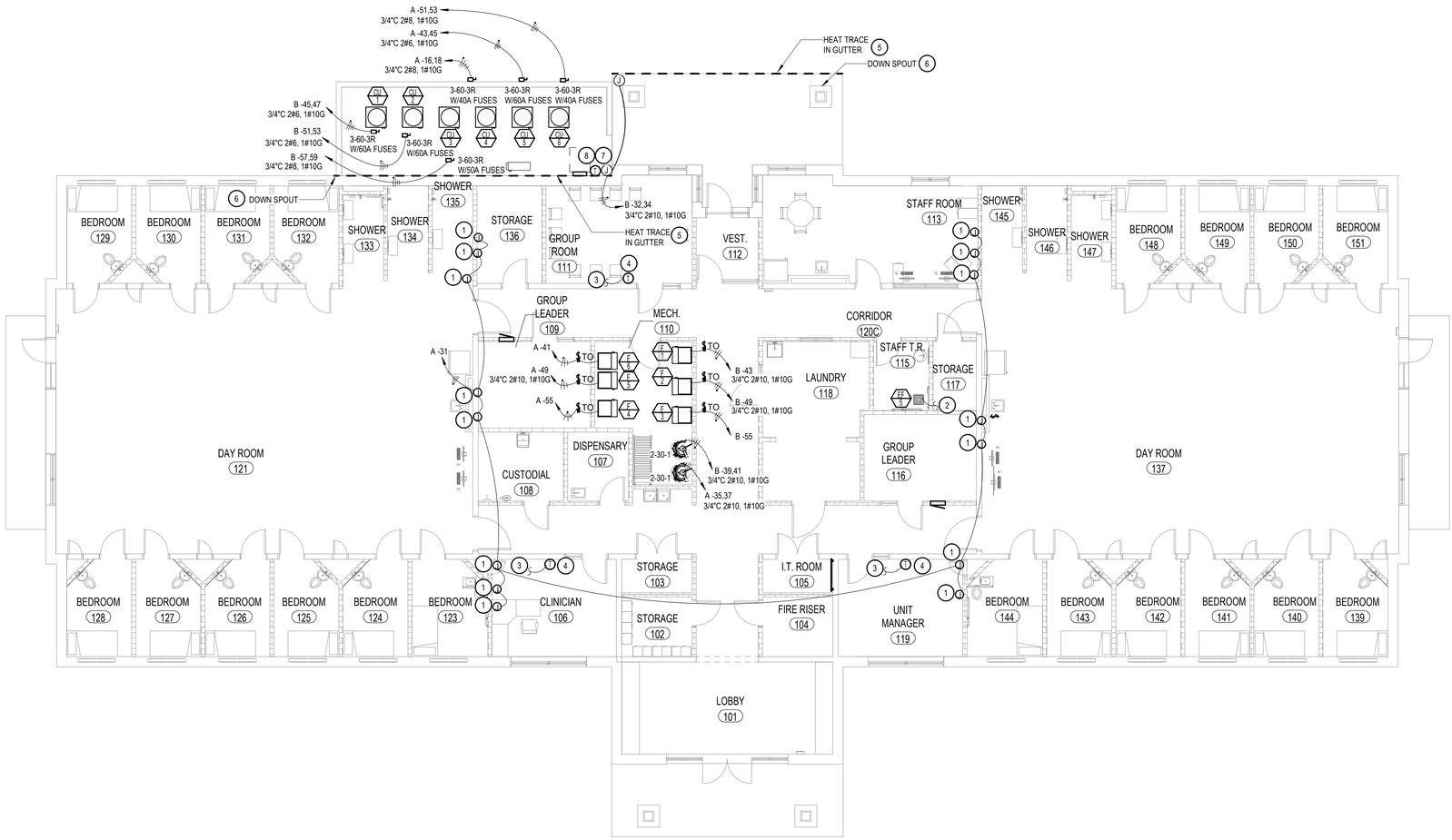
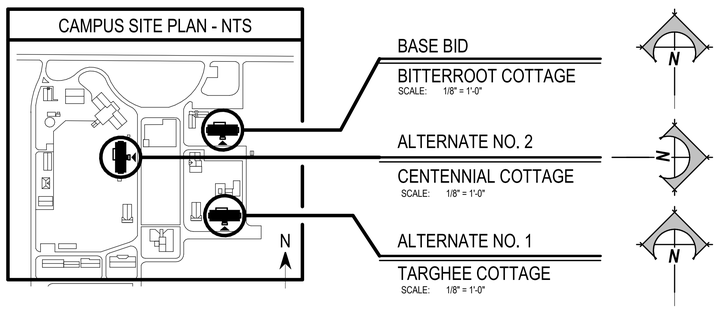


MECHANICAL POWER PLAN

SCALE: 1/8" = 1'-0"



BASE BID

BITTERROOT COTTAGE

SCALE: 1/8" = 1'-0"

ALTERNATE NO. 2

CENTENNIAL COTTAGE

SCALE: 1/8" = 1'-0"

ALTERNATE NO. 1

TARGHEE COTTAGE

SCALE: 1/8" = 1'-0"

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. JUNCTION BOX FOR FIRE DAMPER.
2. CONNECT TO LIGHTING CIRCUIT IN ROOM.
3. 3/4"C FROM THERMOSTAT/SENSOR TO MECHANICAL EQUIPMENT.
4. SEE E6.1 FOR THERMOSTAT ROUGH-IN ELEVATION DETAIL.
5. NVENT RAYCHEM SELF-REGULATING DE-ICING HEATING CABLE GM-2XT OR EQUAL.
6. EXTEND HEATING CABLE 12 INCHES PAST BOTOM OF DOWNSPOUT.
7. POWER CONNECTION KIT, NVENT PAYCHEM RAYCIC-PC OR EQUAL.
8. INSTALL HEAT TRACE THERMOSTAT ON WALL UNDER EAVE NVENT RAYCHEM AMC-1A OR EQUAL.

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DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N

ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: MECHANICAL POWER PLAN

REVISIONS

PROJECT NO. 21023

DATE: DECEMBER 2022

DRAWN BY: CJ

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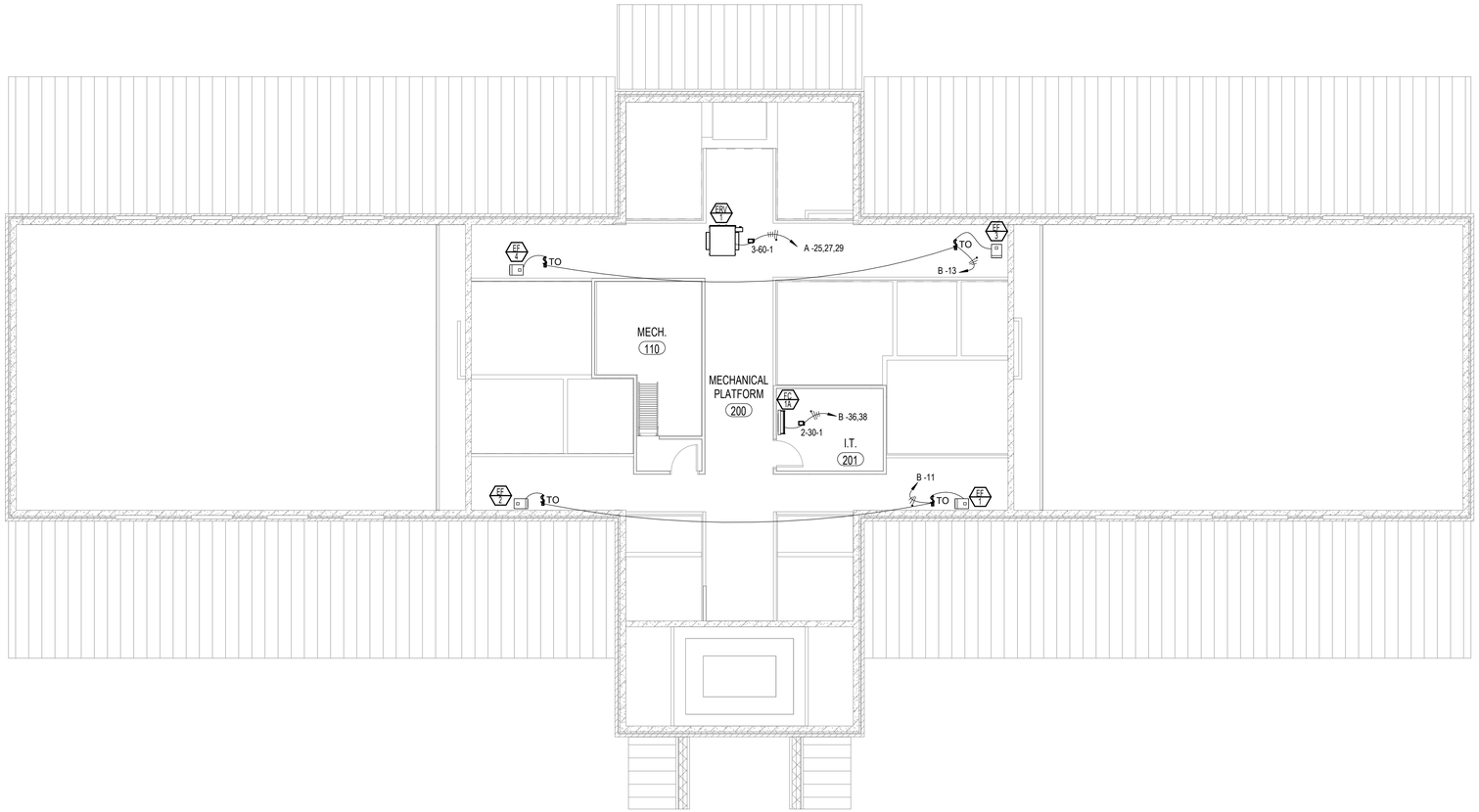
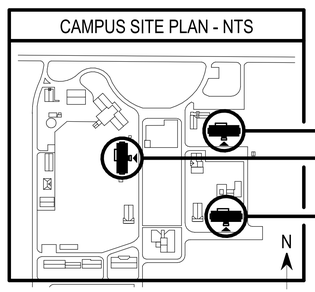


MEZZANINE MECHANICAL POWER PLAN

SCALE: 1/8" = 1'-0"

CAMPUS SITE PLAN - NTS



BASE BID

BITTERROOT COTTAGE

SCALE: 1/8" = 1'-0"

ALTERNATE NO. 2

CENTENNIAL COTTAGE

SCALE: 1/8" = 1'-0"

ALTERNATE NO. 1

TARGHEE COTTAGE

SCALE: 1/8" = 1'-0"

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PROJECT:

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DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:

MEZZANINE MECHANICAL POWER PLAN

REVISIONS

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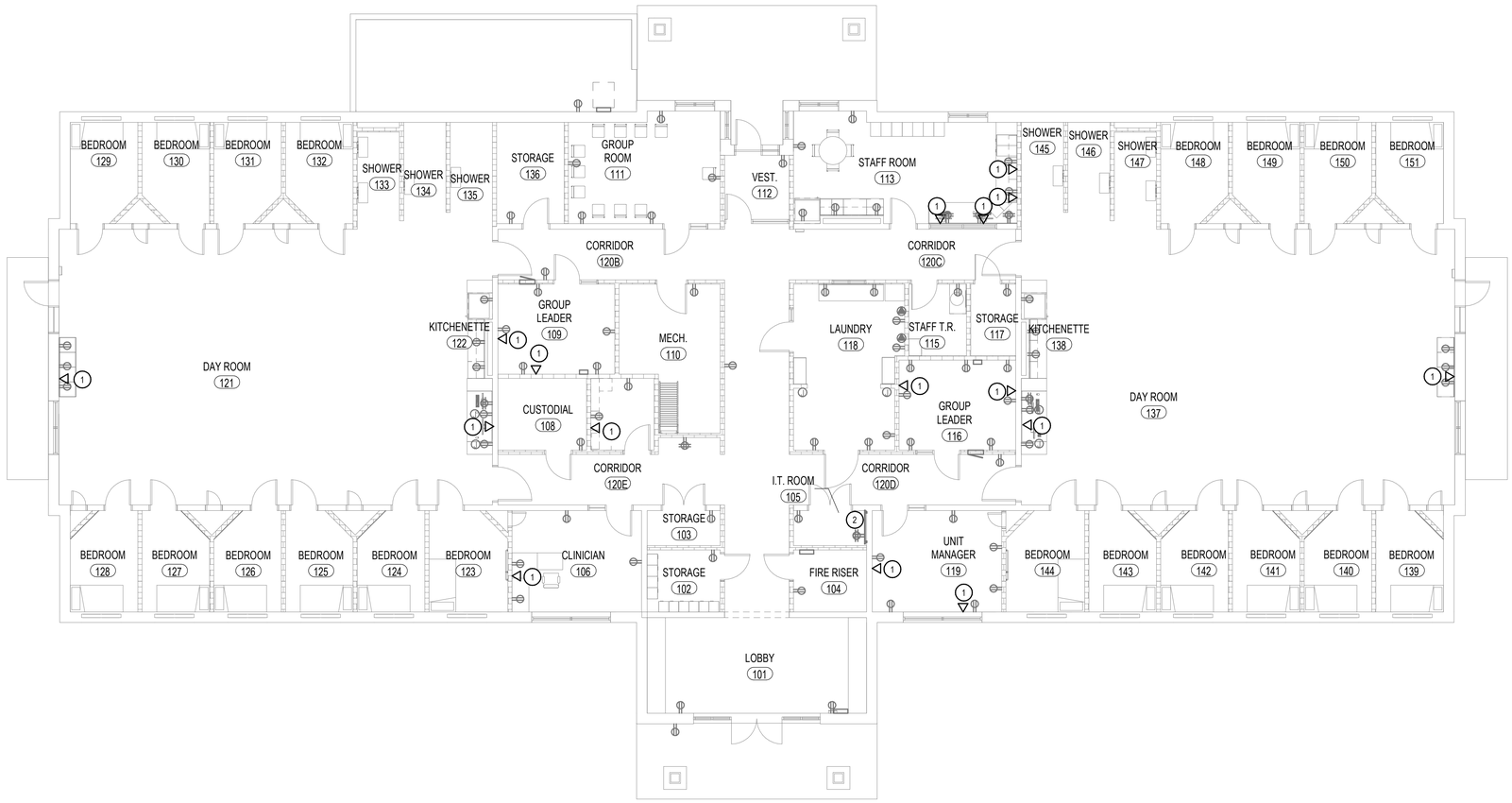
KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

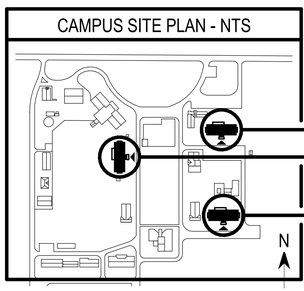
1. SEE SHEET E6.1 FOR POWER/DATA ROUGH-IN ELEVATION DETAIL.
2. SEE SHEET E6.1 FOR TELEPHONE BACKBOARD ROUGH-IN ELEVATION DETAIL.



SPECIAL SYSTEMS PLAN

SCALE: 1/8" = 1'-0"

CAMPUS SITE PLAN - NTS



BASE BID
BITTERROOT COTTAGE
SCALE: 1/8" = 1'-0"

ALTERNATE NO. 2
CENTENNIAL COTTAGE
SCALE: 1/8" = 1'-0"

ALTERNATE NO. 1
TARGHEE COTTAGE
SCALE: 1/8" = 1'-0"

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PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
SPECIAL SYSTEMS PLAN

REVISIONS

PROJECT NO.
21023
DATE:
DECEMBER 2022
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E4.1

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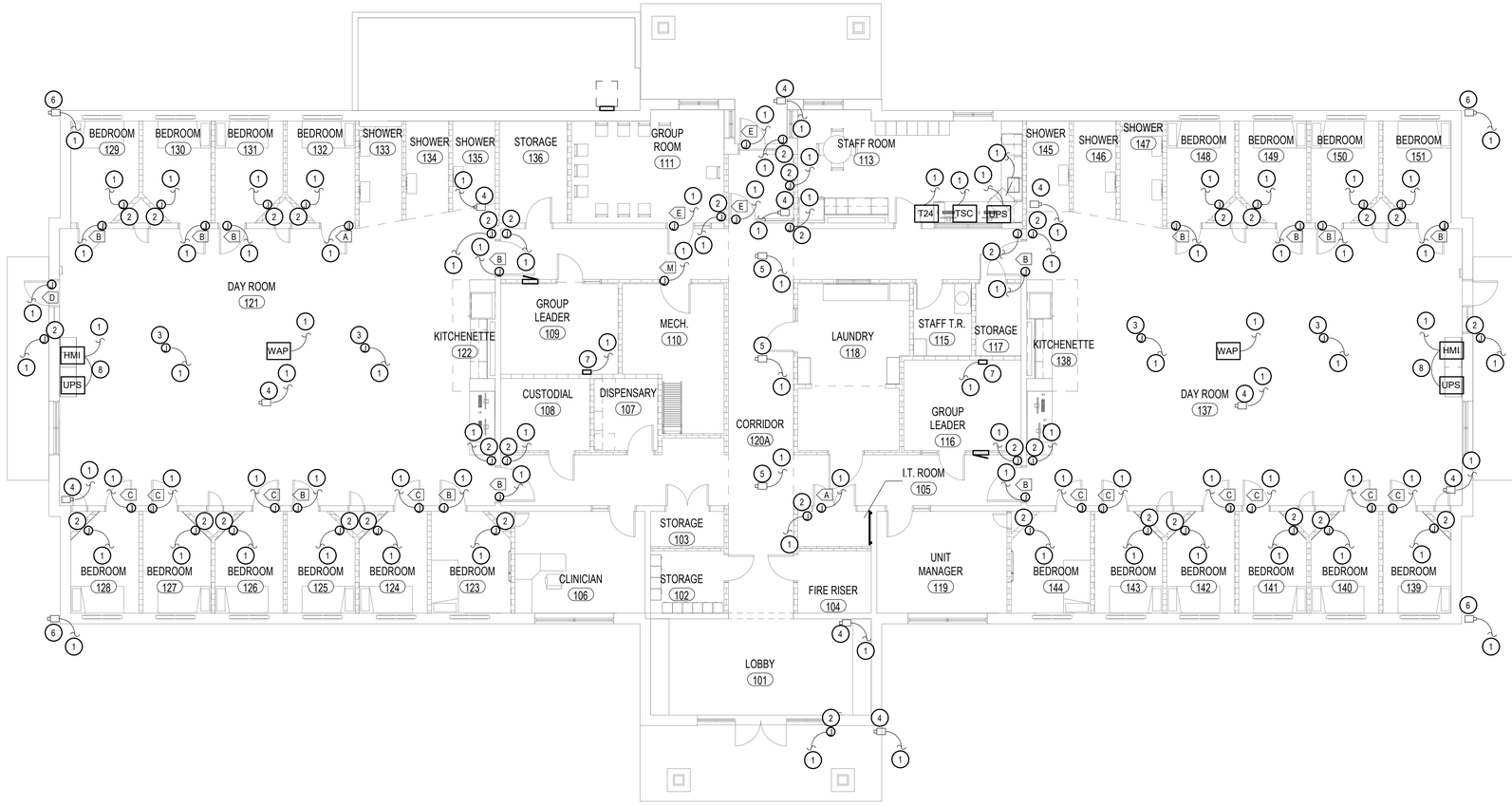
PROJECT NO. 21-471

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

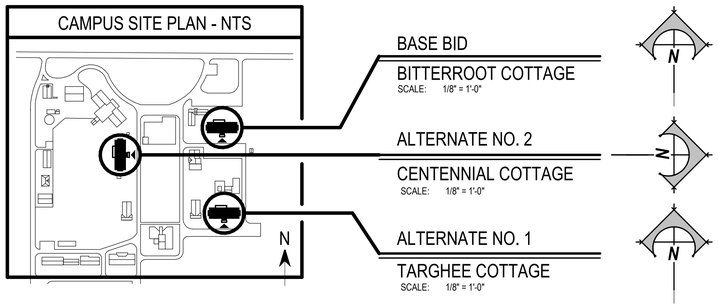
1. CONDUIT AND CABLE TO CEILING ABOVE AUDIO PLC RACK IN ACCESS CONTROL ROOM 201 SEE ACCESS SECURITY CONTROL INFORMATION ON DRAWINGS E4.3 AND E4.4. COORDINATE WITH ACCURATE CONTROLS PRIOR TO WORK.
2. JUNCTION BOX FOR INTERCOM STATION. SEE ACCESS CONTROL LEGEND ON E4.3.
3. JUNCTION BOX FOR PAGING SPEAKER. SEE ACCESS CONTROL LEGEND ON E4.3.
4. OWNER PROVIDED CAMERA TYPE A. SEE ACCESS CONTROL LEGEND ON E4.3.
5. OWNER PROVIDED CAMERA TYPE B. SEE ACCESS CONTROL LEGEND ON E4.3.
6. OWNER PROVIDED CAMERA TYPE C. SEE ACCESS CONTROL LEGEND ON E4.3.
7. ACCESS CONTROL UTILITY CABINET. COORDINATE FINAL LOCATION WITH ACCURATE CONTROLS PRIOR TO INSTALLATION.
8. 3/4"C FROM UPS TO RCS. SEE E4.3 FOR MORE INFORMATION. COORDINATE WITH ACCURATE CONTROLS PRIOR TO WORK.



ACCESS CONTROL PLAN

SCALE: 1/8" = 1'-0"

CAMPUS SITE PLAN - NTS



BASE BID

BITTERROOT COTTAGE
SCALE: 1/8" = 1'-0"

ALTERNATE NO. 2

CENTENNIAL COTTAGE
SCALE: 1/8" = 1'-0"

ALTERNATE NO. 1

TARGHEE COTTAGE
SCALE: 1/8" = 1'-0"

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DPW PROJECT NO. 21725

DJC: ST. ANTHONY COTTAGES

2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ACCESS CONTROL PLAN

REVISIONS

PROJECT NO. 21023
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SYMBOLS	POWER REQUIREMENTS	WIRING REQUIREMENTS	BACKBOX REQUIREMENTS	CONDUIT SIZE & GROUP
	SEE NOTE 1.	SEE NOTE 2.	SEE NOTE 3.	SEE NOTE 4.
LOCK TYPE — A DOOR INTERLOCK GROUP X — IL — X				
A = SECURITY GRADE SWING DOOR		5 – #14 AWG MIN CLASS 1 CONDUCTORS PER NEC 4 – #18 AWG MIN CLASS 1 CONDUCTORS PER NEC	BY D.E.C. (IN DOOR FRAME)	3/4" – GROUP A
B = BUILDERS GRADE SWING DOOR		5 – #14 AWG MIN CLASS 1 CONDUCTORS PER NEC 4 – #18 AWG MIN CLASS 1 CONDUCTORS PER NEC	BY D.E.C. (IN DOOR FRAME)	3/4" – GROUP A
= INTERCOM STATION (ANALOG)		1 – WEST PENN 357	TWO GANG MASONRY 3.5" DEEP	3/4" – GROUP B
= PAGING SPEAKER		SEE AUDIO WIRE CHART	CUSTOM BY SEC	3/4" – GROUP B
WAP = WIRELESS ACCESS POINT		1 – WEST PENN 4246	SINGLE GANG MASONRY 3.5" DEEP	3/4" – GROUP D
A = TIMESERVER ANTENNA		1 – WEST PENN 4246	SEE MOUNTING DETAIL	3/4" – GROUP C
= DAY LIGHT	POWER REQUIREMENTS DETERMINED BY ELECTRICAL CONTRACTOR	(1) WEST PENN 241	REQUIREMENTS DETERMINED BY ELECTRICAL CONTRACTOR	REQUIREMENTS DETERMINED BY ELECTRICAL CONTRACTOR
= NIGHT LIGHT	POWER REQUIREMENTS DETERMINED BY ELECTRICAL CONTRACTOR	(1) WEST PENN 241	REQUIREMENTS DETERMINED BY ELECTRICAL CONTRACTOR	REQUIREMENTS DETERMINED BY ELECTRICAL CONTRACTOR
RACK = EQUIPMENT RACKS	SEE INTERCONNECTS	SEE INTERCONNECTS	PER NEC, BACKBOX REQUIRES 3' CLEARANCE IN FRONT OF BACKBOX AND MUST BE CLEAR OF OBSTRUCTIONS.	
COMPUTER TOWER TSC RCS = REMOTE CONTROL SERVER TSC = TOUCHSCREEN & EVENT LOGGING COMPUTER HMI = WALLMOUNTED TOUCHSCREEN INTERFACE	1 – 120VAC OUTLET REQUIRED	1 – WEST PENN 4246	SINGLE GANG MASONRY – PER MILLWORK REQ	3/4" – GROUP C
COMPUTER MONITOR T 22 T = TOUCHSCREEN MONITOR MONITOR SIZE IN INCHES	1 – 120VAC OUTLET REQUIRED	WIRED TO COMPUTER SEE INTERCONNECTS	WIRED TO COMPUTER SEE INTERCONNECTS	
= DESKTOP INTERCOM MASTERSTATION(DIMS)(DIGITAL)	1 – 120VAC OUTLET REQUIRED	1 – WEST PENN 4246	SINGLE GANG MASONRY – PER MILLWORK REQ	3/4" – GROUP C
UPS = WORKSTATION UPS	1 – 120VAC OUTLET REQUIRED	1 – USB TO COMPUTER	SINGLE GANG MASONRY – PER MILLWORK REQ	3/4" – GROUP C
= PRINTER	1 – 120VAC OUTLET REQUIRED	WIRED TO COMPUTER SEE INTERCONNECTS	WIRED TO COMPUTER SEE INTERCONNECTS	3/4" – GROUP C

NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OF THE 120VAC & 208VAC INPUT POWER, CONNECTIONS AND POWER DISTRIBUTION OF THE VARIOUS SYSTEMS TO GENERATOR POWER THROUGH UPS. TERMINATION OF THE 120VAC POWER, UTILITY CONTROL PANELS AND FIRE ALARM SYSTEMS ARE ALSO BY THE ELECTRICAL CONTRACTOR. REFER TO SPECIFICATION SECTION GENERAL REQUIREMENTS FOR DELINEATION OF RESPONSIBILITY.

   120VAC & 208VAC POWER TO SECURITY ELECTRONICS, EQUIPMENT CABINETS, AND OPERATOR STATIONS SHALL BE BY THE ELECTRICAL CONTRACTOR.

   ALL CONDUIT AND BACK BOXES REQUIRED FOR POWER DISTRIBUTION TO DEVICES, BY ELECTRICAL CONTRACTOR.

   ANY CABLE PLACED UNDERGROUND NEEDS TO BE RATED FOR DIRECT BURIAL WET TYPE LOCATIONS. CABLE SPECIFIED IS NOT INTENDED FOR INSTALLATION IN ANYTHING BUT A COMPLETE CONDUIT SYSTEM. INSTALLED CABLE MUST COMPLY WITH ALL NATIONAL ELECTRICAL CODES.

2. EACH SECURITY DEVICE REQUIRES AN INDIVIDUAL HOMERUN ROUTED BACK TO THE NOTED HEADEND EQUIPMENT ROOM AND CABINET. CONDUIT SYSTEMS AND POWER TO SECURITY ELECTRONICS, EQUIPMENT CABINETS, AND OPERATOR STATIONS SHALL BE BY THE ELECTRICAL CONTRACTOR. COORDINATE LOCATION OF CEILING MOUNTED EQUIPMENT WITH ALL OTHER TRADES.

   ANY CABLE PLACED UNDERGROUND NEEDS TO BE RATED FOR DIRECT BURIAL WET TYPE LOCATIONS. CABLE SPECIFIED IS NOT INTENDED FOR INSTALLATION IN ANYTHING BUT A COMPLETE CONDUIT SYSTEM. INSTALLED CABLE MUST COMPLY WITH ALL NATIONAL ELECTRICAL CODES.

   IF SPECIFICATION AND N.E.C. ALLOWS CABLE TRAYS, OR OTHER EXPOSED RACEWAY, ALL CABLE INSTALLED IN THE CABLE TRAY/RACEWAY WILL BE PLENUM RATED AS REQUIRED BY N.E.C.

   THE ELECTRICAL CONTRACTOR SHALL DESIGN, FURNISH, INSTALL, AND PLACE IN SATISFACTORY CONDITION ALL CONDUITS/RACEWAYS, BOXES, CONDUCTORS, CONNECTIONS, AND ALL OTHER MATERIALS REQUIRED FOR THE SECURITY ELECTRONICS SYSTEMS. RACEWAY AND CONDUIT PATHS SHOULD TAKE THE MOST DIRECT PATH AVAILABLE. ALL CABLING PROVIDED BY THE ELECTRICAL CONTRACTOR SHALL BE IN CONDUIT WHERE DETERMINED, AND CONTINUOUS BETWEEN THE FIELD DEVICE AND THE HEAD–END EQUIPMENT LOCATION. THE CABLES SHALL BE INSTALLED IN A QUALITY WORKMANSHIP METHOD, WITH NO SPLICES, AND FREE OF ANY BREAKS OR DAMAGE.

   CATEGORY/NETWORK CABLE REQUIRES INSTALLATION TO TYPICAL STANDARDS (BICSI, ETC.). CATEGORY CABLE IS LIMITED TO 100 METERS MAXIMUM LENGTH. COORDINATE CONDUIT AND CABLE PATH TO COMPLY WITH INDUSTRY STANDARDS.

   WHEN THE LOCK CASE IS GROUNDED IN ACCORDANCE WITHARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, THE GROUND WIRE IS NOT REQUIRED.

3. ALL STANDARD BACKBOXES ARE BY THE ELECTRICAL CONTRACTOR. SEE ALSO 'POWER REQUIREMENTS' COLUMN FOR BACKBOX NEED FOR POWER.

   ELECTRICAL CONTRACTOR MAY GROUP DEVICES PER THE CONDUIT GROUP BUT MUST UP SIZE BACKBOX ACCORDINGLY. GROUP LIKE DEVICE BACKBOXES AS INDICATED BY GROUP NUMBER REFERENCED. DO NOT MIX BACKBOX GROUPS.

4. ELECTRICAL CONTRACTOR TO PROVIDE A COMPLETE RACEWAY SYSTEM WHICH INCLUDES WIRE WAY, WIRE DUCT, UNDERGROUND DUCT BANKS, PULL STRINGS AND MOUNTING OF SECURITY SYSTEM SPECIALTY BACKBOXES. SPECIALTY BACKBOXES INCLUDE EQUIPMENT CABINETS, RACKS AND ENCLOSURES AS WELL AS SPEAKER BACKBOXES AND CAMERA HOUSINGS. THE ELECTRICAL CONTRACTOR SHALL INCLUDE ANY LABOR AND MATERIAL TO EXTEND THE CONDUIT SYSTEM TO EACH SECURITY SYSTEM EQUIPMENT RACK, CABINET, ENCLOSURE, SPEAKER BACKBOX OR CAMERA HOUSING AS REQUIRED BY SECURITY SYSTEM DESIGN.

   ELECTRICAL CONTRACTOR TO PROVIDE WIRE WAY/WIRE DUCT ABOVE AND/OR BELOW ALL SECURITY EQUIPMENT CABINETS, RACKS, AND ENCLOSURES. PROVIDE REQUIRED SEPARATION BETWEEN CLASS I AND CLASS II WIRING. CONDUIT SIZE LISTED IS THE MINIMUM REQUIREMENT FOR EACH DEVICE SHOWN. ELECTRICAL CONTRACTOR MAY GROUP DEVICES PER THE CONDUIT GROUP BUT MUST UP SIZE ACCORDINGLY. GROUP LIKE DEVICES AS INDICATED BY LETTER REFERENCED. DO NOT MIX GROUPS.

5. THIS LAYOUT IS TYPICAL FOR 3 BUILDINGS.

AUDIO WIRE CHART

WIRE SIZE (AWG)	RESISTANCE PER 1000' WIRE PAIR (Ω)	MAX SAFE CURRENT (AMPS)	MAX SAFE POWER (WATTS)	NOMINAL POWER IN LOAD							
				0.5W	1W	2W	5W	10W	20W	30W	40W
				LENGTH OF LINE (FEET)							
#6	0.8	50	1250						4400	2800	2200
#8	1.28	35	870					5600	2640	1940	1420
#10	2	25	625				18200	7200	2600	1820	1040	920
#12	3.2	20	500				11400	4400	2200	1140	760	560
#14	5.2	15	350			14000	7000	2800	1400	700	460	340
#16	8	6	150	18200	9000	4400	1820	900	440	300	220	
#18	13	3	75	11200	5600	2600	1040	560	260	180	140	
#20	20.6	1	25	7200	2600	1800	720	360	180	120		
#22	32.6	0.5	12	4400	2200	1120	440	220	112	112.5		
#24	52.3										

LENGTH OF 2–WIRE 25V LINE DELIVERING VARIOUS VALUES OF POWER AT 1dB. LOSS WIRE MUST BE SHIELDED STRANDED COPPER CABLE.

INITIAL PAGING WATTAGE TAPS SHOULD BE SET TO A LEVEL HIGH ENOUGH TO HEAR UNDER NORMAL CONDITIONS.

FINAL ADJUSTMENTS MAY NEED TO BE IMPLEMENTED ONCE ALL SYSTEMS ARE OPERATIONAL BASED ON THE OWNER'S DISCRETION.

INTERCOMS IN SMALL ROOMS AND CELLS CAN BE TAPPED FOR 0.50 WATTS OR NEAREST VALUE. LARGER ROOMS OR ROOMS WITH HIGHER THAN NORMAL AMBIENT NOISE COULD BE TAPPED AT 1 WATT OR HIGHER. FIELD ADJUSTMENTS MAY BE REQUIRED DEPENDING ON THE OWNER'S NEEDS AND USAGE.

OVERHEAD PAGING SPEAKERS IN SMALLER OR QUIETER ROOMS CAN BE SET TO 0.63W OR NEAREST VALUE. LARGER ROOMS OR ROOMS WITH HIGHER THAN NORMAL AMBIENT NOISE COULD BE TAPPED AT 1.25W OR HIGHER. FIELD ADJUSTMENTS MAY BE REQUIRED DEPENDING ON THE OWNER'S NEEDS AND USAGE.

MUSGROVE ENGINEERING, P.A.
234 S. Whisperwood Way
Boise, ID 83709
208.384.0585
645 West 25th Street
Idaho Falls, ID 83402
208.523.2862
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PROJECT NO. 21-471

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(P) 208.522.8779 (F) 208.522.8795 (W) nbwarchitects.com

PROJECT: DPW PROJECT NO. 21725
DJC. ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE: ACCESS CONTROL DETAILS

REVISIONS

PROJECT NO.
21023
DATE:
DECEMBER 2022
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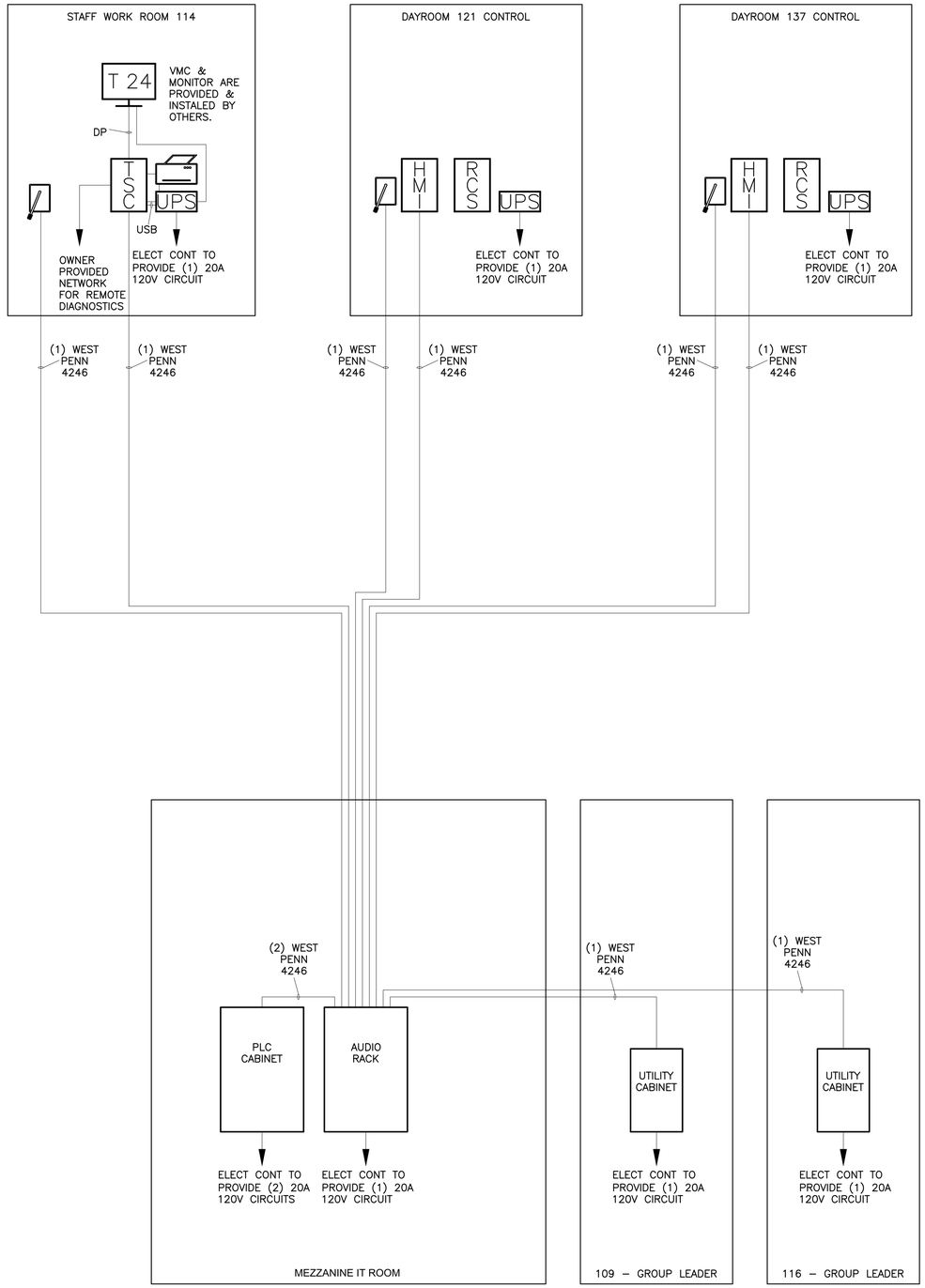

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DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: ACCESS CONTROL DIAGRAM

REVISIONS

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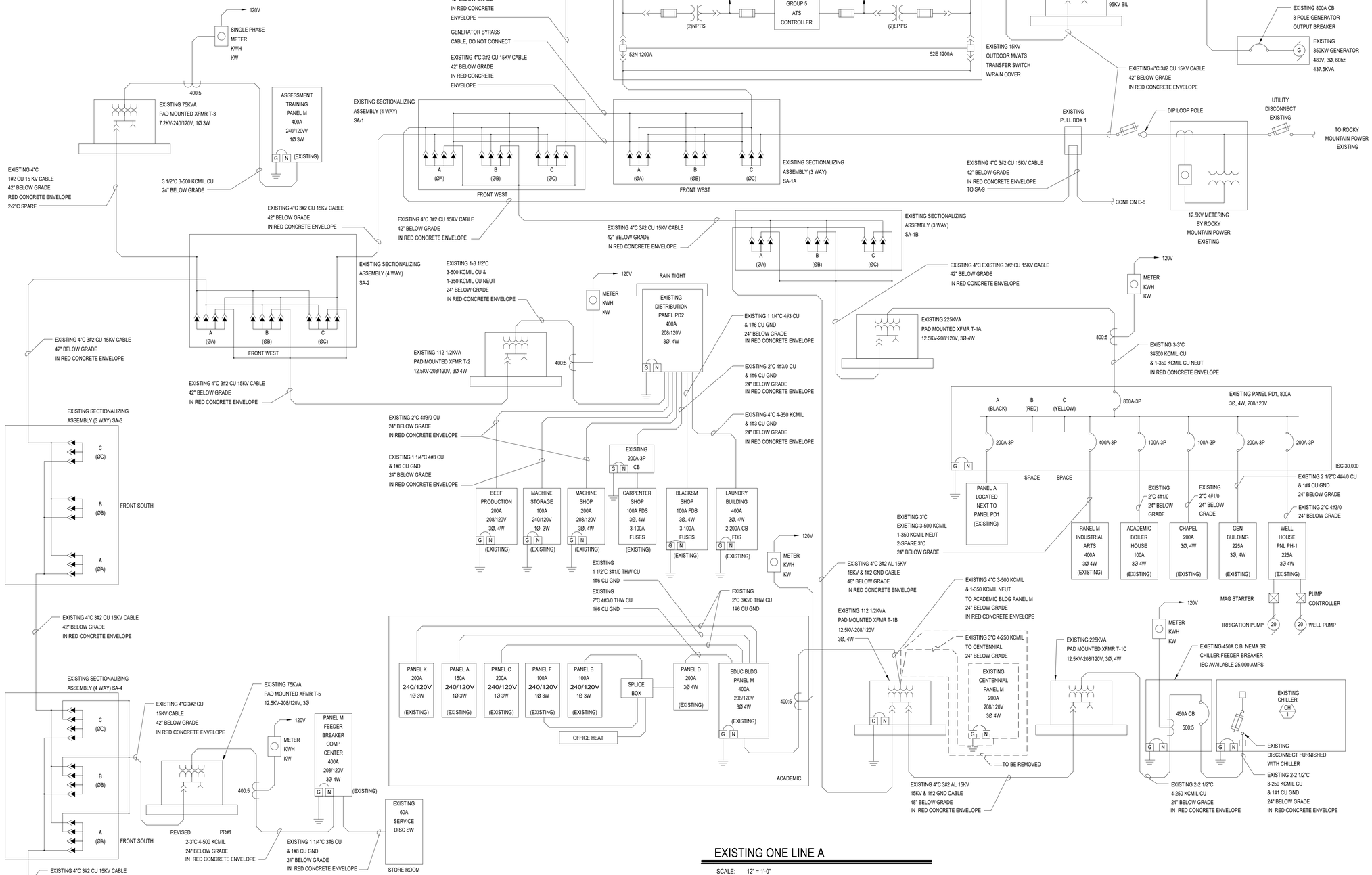

EXISTING ONE LINE A

SCALE: 12" = 1'-0"

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Boise, ID 83709
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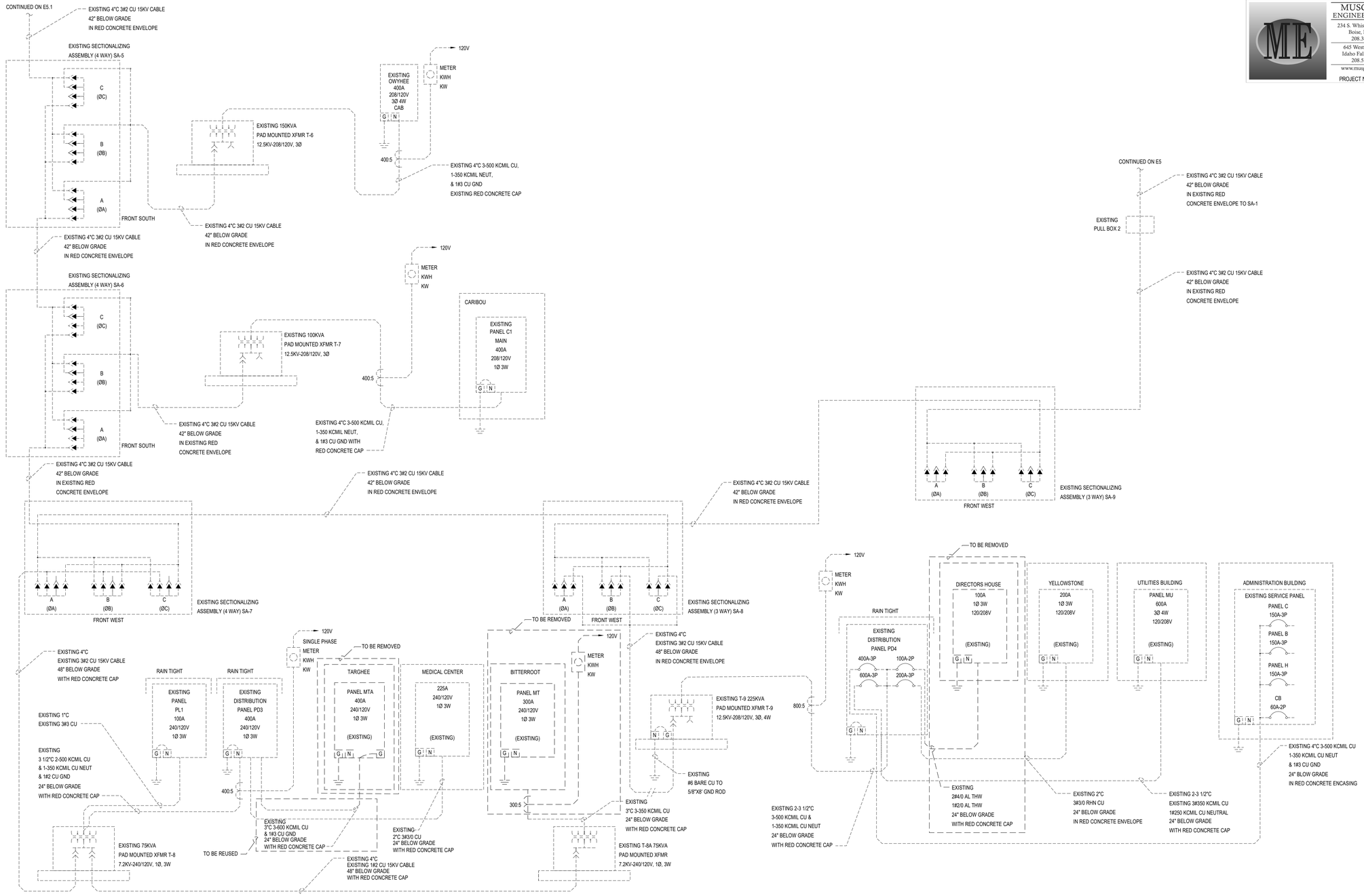

EXISTING ONE-LINE B

SCALE: 12" = 1'-0"

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PROJECT:

SHEET TITLE: EXISTING ONE-LINE DIAGRAM B

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NEW ONE-LINE A

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(P) 208.522.8779 (F) 208.522.8795 (W) nbwarchitects.com

PROJECT: DPW PROJECT NO. 21725
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SHEET TITLE: NEW ONE-LINE DIAGRAM A

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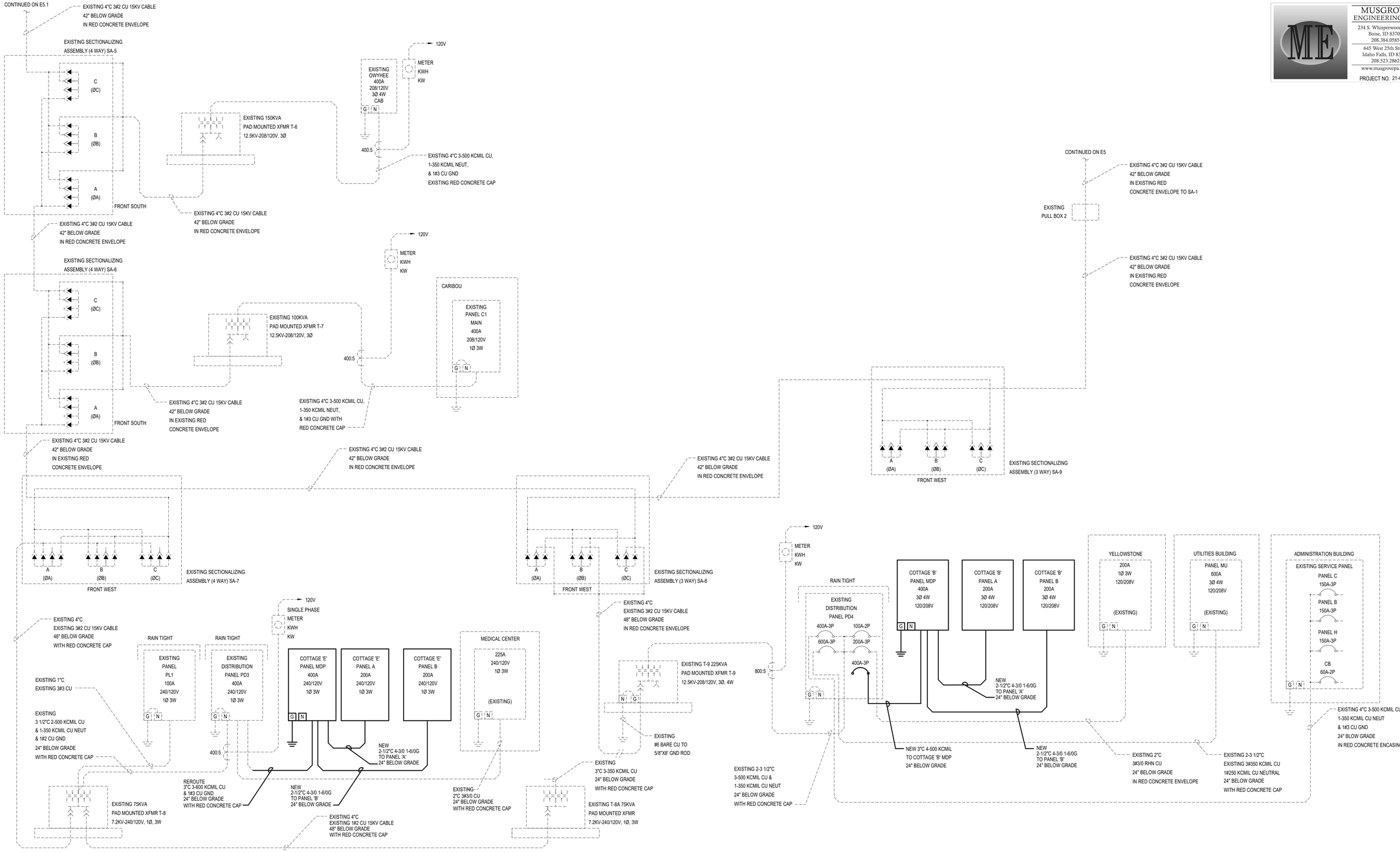

NEW ONE-LINE B

SCALE: 12" = 1'-0"

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PROJECT:
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2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
NEW ONE-LINE DIAGRAM B

REVISIONS

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PROJECT NO. 21-471

Branch Panel: A

Location: 'A' | **Supply From:** 'MDP' | **Mounting:** FLUSH | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10000 | **Mains Type:** MLO | **Mains Rating:** 200 A

Notes:

CKT	Circuit Description	Ckt Notes	Trip	Poles	A		B		C		Poles	Trip	Ckt Notes	Circuit Description	CKT
1	RECEPTS CLINICIAN		20 A	1	720 VA	1540 VA					1	20 A		LIGHTING DAYROOMS BEDROOMS	2
3	RECEPT TELEPHONE BACKOARD		20 A	1			360 VA	96 VA			1	20 A		LIGHTING EXTERIOR	4
5	RECEPT TELEPHONE BACKBOARD		20 A	1					360 VA	500 VA	1	20 A	1	RECEPT DRINKING FOUNTAIN	6
7	RECEPT IT ROOM		20 A	1	180 VA	360 VA					1	20 A		RECEPTS DAYROOM 121	8
9	RECEPTS GROUP ROOM 111		20 A	1			1260 VA	180 VA			1	20 A		RECEPT GROUP LEADER 109	10
11	RECEPT LOBBY, FIRE RISER,...		20 A	1					1260 VA	1120 VA	1	20 A		RECEPT DAY ROOM 121 TV/DVD	12
13	RECEPT DAYROOM 121 CONTROL		20 A	1	500 VA	720 VA					1	20 A	1	RECEPT DAY ROOM 121...	14
15	RECEPTS COMP, CUSTODIAN,...		20 A	1			900 VA	2105 VA			2	40 A		CU-4	16
17	RECEPT REFRIG DAYROOM 121	1	20 A	1					1220 VA	2105 VA	--	--		--	18
19	RECEPTS GROUP LEADER 109		20 A	1	720 VA	0 VA					1	20 A		FACP	20
21	SPARE		20 A	1			0 VA	0 VA			1	20 A		SPARE	22
23	SPARE		20 A	1					0 VA	0 VA	1	20 A		SPARE	24
25	ERV-1		40 A	3	3180 VA	0 VA					1	20 A		SPARE	26
27	--		--	--			3180 VA	0 VA			1	20 A		SPARE	28
29	--		--	--					3180 VA	0 VA	1	20 A		SPARE	30
31	FIRE DAMPERS		20 A	1	960 VA	0 VA					1	20 A		SPARE	32
33	SPARE		20 A	1			0 VA	0 VA			1	20 A		SPARE	34
35	WATER HEATER		30 A	2					1000 VA	0 VA	1	20 A		SPARE	36
37	--		--	--	1000 VA	0 VA					1	20 A		SPARE	38
39	SPARE		20 A	1			0 VA	0 VA			1	20 A		SPARE	40
41	F-6		20 A	1					1176 VA	0 VA	1	20 A		SPARE	42
43	CU-5		60 A	2	2879 VA	0 VA					1	20 A		SPARE	44
45	--		--	--			2879 VA	0 VA			1	20 A		SPARE	46
47	SPARE		20 A	1					0 VA	0 VA	1	20 A		SPARE	48
49	F-5		25 A	1	576 VA	0 VA					1	20 A		SPARE	50
51	CU-6		40 A	2			2105 VA	0 VA			1	20 A		SPARE	52
53	--		--	--					2105 VA	0 VA	1	20 A		SPARE	54
55	F-4		20 A	1	1176 VA	0 VA					1	20 A		SPARE	56
57	SPARE		20 A	1			0 VA	0 VA			1	20 A		SPARE	58
59	SPARE		20 A	1					0 VA	0 VA	1	20 A		SPARE	60
			Total Load:		14503 VA		13065 VA		14026 VA						
			Total Amps:		122 A		109 A		118 A						

CKT NOTES:
1. GROUND FAULT INTERRUPTING CIRCUIT BREAKER.

Branch Panel: B

Location: 'B' | **Supply From:** 'MDP' | **Mounting:** FLUSH | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10000 | **Mains Type:** MLO | **Mains Rating:** 200 A

Notes:

CKT	Circuit Description	Ckt Notes	Trip	Poles	A		B		C		Poles	Trip	Ckt Notes	Circuit Description	CKT
1	RECEPT REFRIG DAYROOM 137	1	20 A	1	1220 VA	1540 VA					1	20 A		LIGHTING DAYROOM BEDROOMS	2
3	RECEPT COMP, STORATE, TR		20 A	1			360 VA	1864 VA			1	20 A		LIGHTING ADMIN ROOMS,...	4
5	RECEPT REFRIG STAFF ROOM	1	20 A	1					720 VA	500 VA	1	20 A		RECEPT DAYROOM 137 CONTROL	6
7	RECEPTS STAFF ROOM 113		20 A	1	720 VA	360 VA					1	20 A		RECEPTS DAYROOM 137	8
9	RECEPTS GROUP LEADER 116		20 A	1			1080 VA	180 VA			1	20 A		RECEPT GROUP LEADER 116	10
11	EF-1, EF-2		20 A	1					1056 VA	500 VA	1	20 A	1	RECEPT LIQUID DISPENSER	12
13	EF-3, EF-4		20 A	1	1056 VA	500 VA					1	20 A	1	RECEPT LIQUID DISPENSER	14
15	RECEPT STAFF ROOM 113		20 A	1			360 VA	720 VA			1	20 A		RECEPT SECURITY COMP	16
17	RECEPTS STAFF ROOM 113		20 A	1					1260 VA	1120 VA	1	20 A		RECEPT DAY ROOM 137 TV/DVD	18
19	RECEPT STAFF ROOM PRINTER		20 A	1	500 VA	720 VA					1	20 A	1	RECEPT DAY ROOM 137...	20
21	RECEPTS UNIT MANAGER 119		20 A	1			1080 VA	540 VA			1	20 A	1	RECEPTS LAUNDRY 118 GENERAL	22
23	RECEPT MEZZANINE IT ROOM		20 A	1					360 VA	500 VA	1	20 A	1	RECEPT STACK WASHER...	24
25	RECEPT MEZZANINE IT ROOM		20 A	1	180 VA	500 VA					1	20 A	1	RECEPT STACK WASHER...	26
27	SPARE	2	20 A	1			0 VA	0 VA			1	20 A	2	SPARE	28
29	SPARE	2	20 A	1					0 VA	0 VA	1	20 A	2	SPARE	30
31	SPARE	2	20 A	1	0 VA	900 VA					2	30 A	2	HEAT TRACE	32
33	SPARE	2	20 A	1			0 VA	900 VA			--	--	2	--	34
35	SPARE		20 A	1					0 VA	2080 VA	2	20 A		FC-1 MEZZANINE IT ROOM	36
37	SPARE		20 A	1	0 VA	2080 VA					--	--		--	38
39	WATER HEATER		30 A	2			1000 VA	0 VA			1	20 A		SPARE	40
41	--		--	--					1000 VA	0 VA	1	20 A		SPARE	42
43	F-1		25 A	1	1176 VA	180 VA					1	20 A		RECEPT MEZZANINE IT ROOM	44
45	CU-1		60 A	2			2878 VA	180 VA			1	20 A		RECEPT MEZZANINE IT ROOM	46
47	--		--	--					2878 VA	180 VA	1	20 A		RECEPT MEZZANINE IT ROOM	48
49	F-2		25 A	1	576 VA	900 VA					2	30 A	1	STACKED DRYER LAUNDRY 118	50
51	CU-2		60 A	2			2879 VA	900 VA			--	--		--	52
53	--		--	--					2879 VA	600 VA	2	30 A	1	STACKED DRYER LAUNDRY 118	54
55	F-3		20 A	1	1176 VA	600 VA					--	--		--	56
57	CU-3		50 A	2			2405 VA	1500 VA			2	25 A		COMMERCIAL WASHER	58
59	--		--	--					2405 VA	1500 VA	--	--		--	60
			Total Load:		14877 VA		18826 VA		19538 VA						
			Total Amps:		124 A		162 A		168 A						

CKT NOTES:
1. GROUND FAULT INTERRUPTING CIRCUIT BREAKER. 2. GROUND FAULT EQUIPMENT PROTECTOR CIRCUIT BREAKER.

Branch Panel: 'MDP'

Location: MDP | **Supply From:** EXISTING | **Mounting:** Surface | **Enclosure:** NEMA 3R
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10kA | **Mains Type:** MLO | **Mains Rating:** 400 A

Notes:

CKT	Circuit Description	Ckt Notes	Trip	Poles	A		B		C		Poles	Trip	Ckt Notes	Circuit Description	CKT
1	A		200 A	3	14503 VA	14877 VA					3	200 A		B	2
3	--		--	--			13065 VA	18826 VA			--	--		--	4
5	--		--	--					14026 VA	19538 VA	--	--		--	6
7	COMMERCIAL DRYER		100 A	3	8520 VA	--					1	--		BLANK	8
9	--		--	--			8520 VA	--			1	--		BLANK	10
11	--		--	--					8520 VA	--	1	--		BLANK	12
13	BLANK		--	1	--	--					1	--		BLANK	14
15	BLANK		--	1			--								16
			Total Load:		37900 VA		40410 VA		42084 VA						
			Total Amps:		316 A		340 A		354 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	53129 VA	100.00%	53129 VA		
Lighting	1874 VA	100.00%	1874 VA	**Total Conn. Load:**	120393 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	111453 VA
Power	33543 VA	100.00%	33543 VA	**Total Conn. Current:**	334 A
Receptacle	27880 VA	67.93%	18940 VA	**Total Est. Demand Current:**	309 A
Water Heat	4000 VA	100.00%	4000 VA		

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DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
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ST. ANTHONY, IDAHO 83445

PROJECT:

SHEET TITLE: PANEL SCHEDULES

REVISIONS

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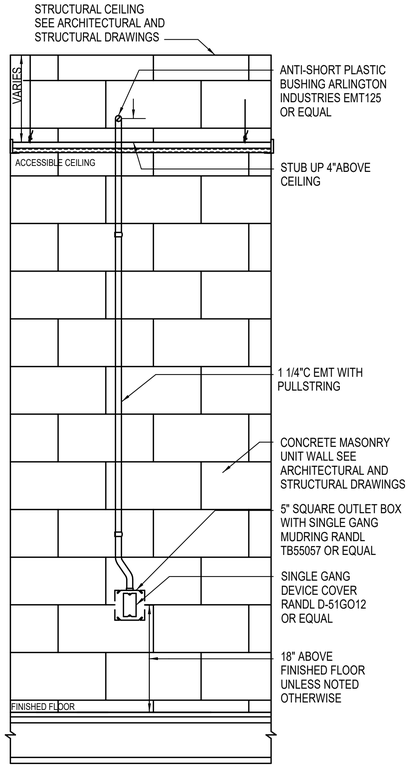
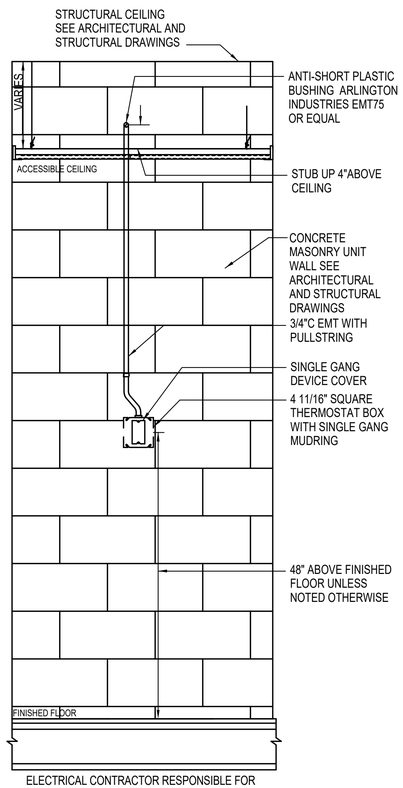


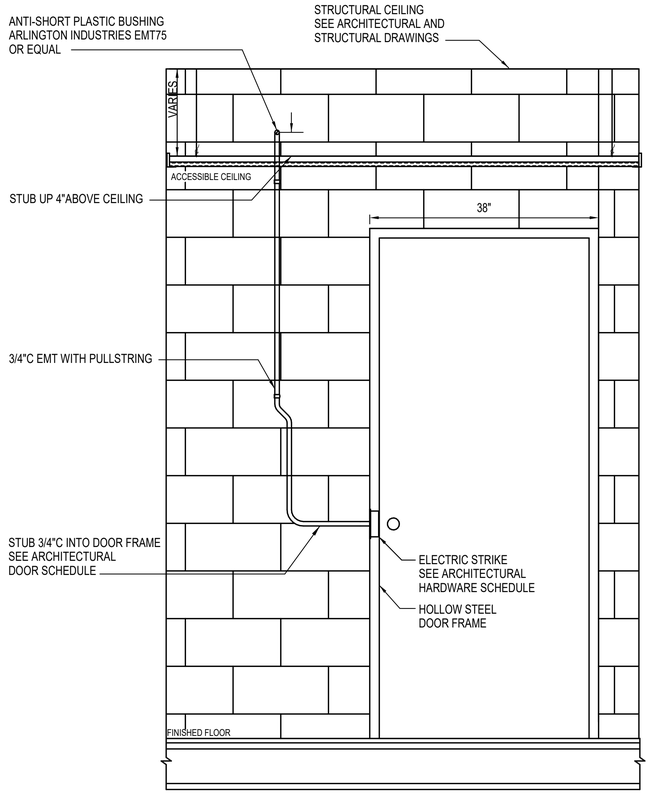
ELECTRICAL CONTRACTOR RESPONSIBLE FOR
INSTALLATION OF DATA/TELEPHONE ROUGH-IN
TYPICAL DETAIL - ACTUAL INSTALLATION MAY VARY

1 DATA/POWER ROUGH-IN ELEVATION DETAIL
1" = 1'-0"



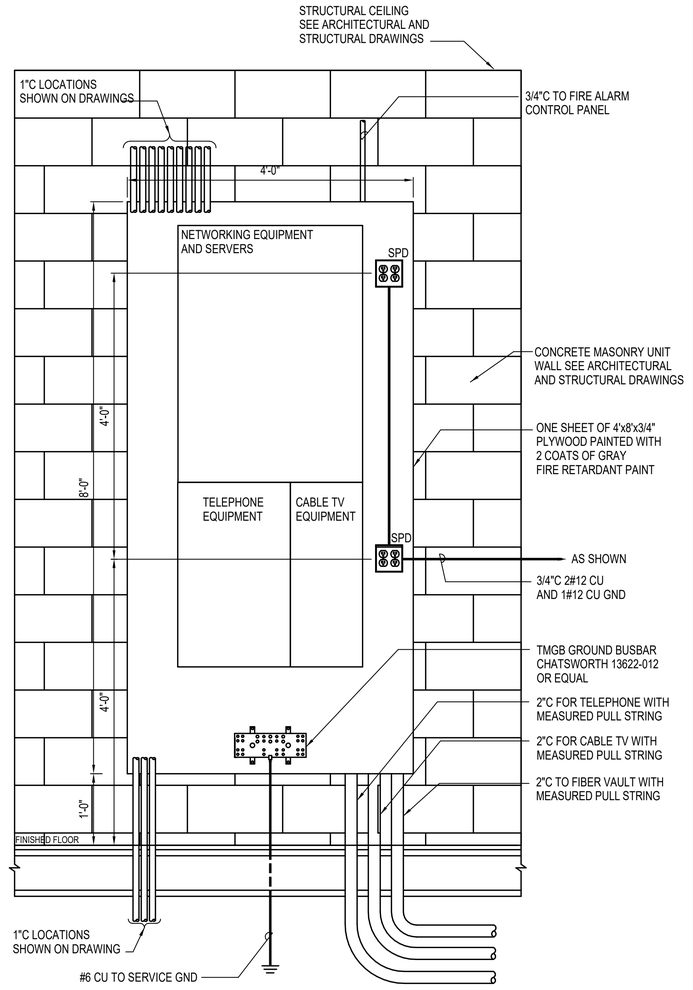
ELECTRICAL CONTRACTOR RESPONSIBLE FOR
INSTALLATION OF THERMOSTAT BOX ROUGH-IN
TYPICAL DETAIL - ACTUAL INSTALLATION MAY VARY

2 THERMOSTAT BOX ROUGH-IN ELEVATION DETAIL
1" = 1'-0"



ELECTRICAL CONTRACTOR RESPONSIBLE FOR
INSTALLATION OF CARD READER ROUGH-IN
TYPICAL DETAIL - ACTUAL INSTALLATION MAY VARY

3 DOOR LOCK ROUGH-IN ELEVATION DETAIL
1" = 1'-0"



4 TELEPHONE BACK BOARD ELEVATION DETAIL
1" = 1'-0"

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(P) 208.522.8795 (F) 208.522.8795 (W) nbwarchitects.com

PROJECT: DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE: ELECTRICAL DETAILS

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PROJECT NO. 21-471

LIGHTING FIXTURE SCHEDULE (21-471)

TYPE	DESCRIPTION	MTG.	LAMPS	WATTS	MFG. & CATALOG NUMBER	NOTES
A	CONTRACTOR SELECT 2'x4' LED FLAT PANEL, MVOLT SWITCHABLE LUMEN OUTPUT SET TO LOW (4000 LUMENS) SWITCHABLE COLOR TEMPERATURE, 0-10 VOLT DIMMING	RECESSED	LED 4000K	29	LITHONIA NO. CPX 2X4 ALO8 SWW7 M4	1
AE	CONTRACTOR SELECT 2'x4' LED FLAT PANEL, MVOLT SWITCHABLE LUMEN OUTPUT SET TO LOW (4000 LUMENS) SWITCHABLE COLOR TEMP, 0-10 VOLT DIM. EMERGENCY BATTERY	RECESSED	LED 4000K	29	LITHONIA NO. CPX 2X4 ALO8 SWW7 M4 ILBLP CP10 HE SD A	1
B1	6" LED DOWNLIGHT, MVOLT 1000 LUMENS, SEMI-SPECULAR FINISH 0-10 VOLT DIMMING	RECESSED	LED 4000K	10.4	LITHONIA NO. LDN6-40/10-L06AR-LSS-MVOLT-GZ10	1
B2	6" LED DOWNLIGHT, MVOLT 3000 LUMENS, SEMI-SPECULAR FINISH 0-10 VOLT DIMMING	RECESSED	LED 4000K	34.8	LITHONIA NO. LDN6-40/30-L06AR-LSS-MVOLT-GZ10	1
B3	4" LED DOWNLIGHT 1000 LUMENS, XX=VERIFY FINISH WITH ARCHITECT 0-10V DIMMING	RECESSED	LED 4000K	10.6	LITHONIA NO. LDN4-40/10- LS4-XX-LD-MVOLT-GZ1-XX	1
C	CORRECTIONAL GRADE 12"x48" LED FIXTURE FLANGED FIXTURE, WITH LED NIGHT LIGHT	RECESSED	LED 4000K	46	KENALL NO. SCA-4-0/1-45L40K-DCC-NA-120-EL-DLN-SYM/B-1	1
D	CONTRACTOR SELECT 4' LINEAR LED FIXTURE ADJUSTABLE LUMEN OUTPUT SET TO 4000 LUMENS	SURFACE	LED 4000K	36	LITHONIA NO. CSS L48 ALO3 MVOLT SWW3 80CRI	1
E1	INTEGRATED EXIT/UNIT COMBO FIXTURE GREEN EXIT LED	SURFACE	LED	2.32	LITHONIA NO. ECBG LED M6	1
E2	CORRECTIONAL GRADE EXIT SIGN GREEN EXIT LED	SURFACE	LED	2.32	KENALL NO. METTS-MW-G-4VDC-PH	1
G	4' WRAP LED FIXTURE 4000 LUMENS WHITE FINISH	SURFACE	LED 4000K	37	LITHONIA NO. BLWP4-40L-ADPT-EZ1-LP840	1
H1	2" LINEAR RECESSED LED FIXTURE - 12' LONG COLOR BY ARCHITECT DRYWALL FLANGELESS MOUNTING	RECESSED	LED 4000K	90	AXIS LIGHTING NO. B2SQRLED-750-80-40-SO-12-X-UNV-DP-1-D	1
H2	2" LINEAR RECESSED LED FIXTURE - 8' LONG COLOR BY ARCHITECT DRYWALL FLANGELESS MOUNTING	RECESSED	LED 4000K	60	AXIS LIGHTING NO. B2SQRLED-750-80-40-SO-8-X-UNV-DP-1-D	1
H3	2" LINEAR RECESSED LED FIXTURE - 4' LONG COLOR BY ARCHITECT DRYWALL FLANGELESS MOUNTING	RECESSED	LED 4000K	30	AXIS LIGHTING NO. B2SQRLED-750-80-40-SO-4-X-UNV-DP-1-D	1
X1E	EXTERIOR LED WALL PACK 3000 LUMENS, EMERGENCY BATTERY BACKUP BLACK FINISH	SURFACE	LED 5000K	24	LITHONIA NO. WPX1-LED-P2-50K-E14WC-MVOLT-DBLXD	1

LIGHTING FIXTURE SCHEDULE NOTES:

1 SUBSTITUTIONS WILL BE ALLOWED IF SUBMITTED PRIOR TO BID DATE BY THE GREATER OF: 7 BUSINESS DAYS OR THE TIME PERIOD SPECIFIED BY DIVISION 1 SPECIFICATIONS, AND IF DEEMED EQUAL BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING SUBSTITUTED FIXTURES MEET OR EXCEED THE SPECIFICATIONS OF THE FIXTURES SPECIFIED.

SWITCH AND OCCUPANCY SENSOR LEGEND

S_{OS1} OCCUPANCY SENSOR - WALL MOUNT, DUAL TECHNOLOGY, 120-277V, SINGLE POLE, MULTI-WAY
SENSOR SWITCH WSXA-MWO-XX OR EQUAL

S_{OS2} OCCUPANCY SENSOR - WALL MOUNT, DUAL TECHNOLOGY, DIMMING, 120-277V, SINGLE POLE, MULTI-WAY
SENSOR SWITCH WSXA-MWO-PDT-D-XX OR EQUAL

(OS) OCCUPANCY SENSOR - CEILING MOUNT, DUAL TECHNOLOGY, LOW VOLTAGE, SMALL MOTION
SENSOR SWITCH CM-PDT-9 OR EQUAL

(PP) POWER PACK - 120 VOLT, 15 VDC
SENSOR SWITCH PP20 OR EQUAL

S_D DIMMING SWITCH - WALL MOUNT, 120/277V, LED, ON/OFF/SLIDE DIMMER SWITCH
SYNERGY ISD-BC-120/277-XX OR EQUAL

(PC) PHOTOCELL - 120/240/277V
ACUITY BRANDS DSW124-1-2-A-U

XX=VERIFY COLOR WITH ARCHITECT PRIOR TO ORDER

EQUAL PRODUCTS FROM WATTSTOPER, LUTRON, LEGRAND, AND EATON WILL BE ACCEPTED

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PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
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SHEET TITLE:
LIGHTING DETAILS

REVISIONS

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1 OVERALL ELECTRICAL SITE DEMO PLAN
SCALE: 1" = 100'

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SHEET TITLE:
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1 ELECTRICAL SITE DEMO PLAN-AREA A - BASE BID
SCALE: 1" = 10'

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. EXISTING UTILITIES TO REMAIN, SEE CIVIL.
2. EXISTING FIBER OPTIC JUNCTION BOX TO REMAIN.
3. DISCONNECT EXISTING FIBER SERVICE IN PREPARATION FOR BUILDING REMOVAL.
4. DISCONNECT EXISTING ELECTRICAL SERVICE IN PREPARATION FOR BUILDING REMOVAL.

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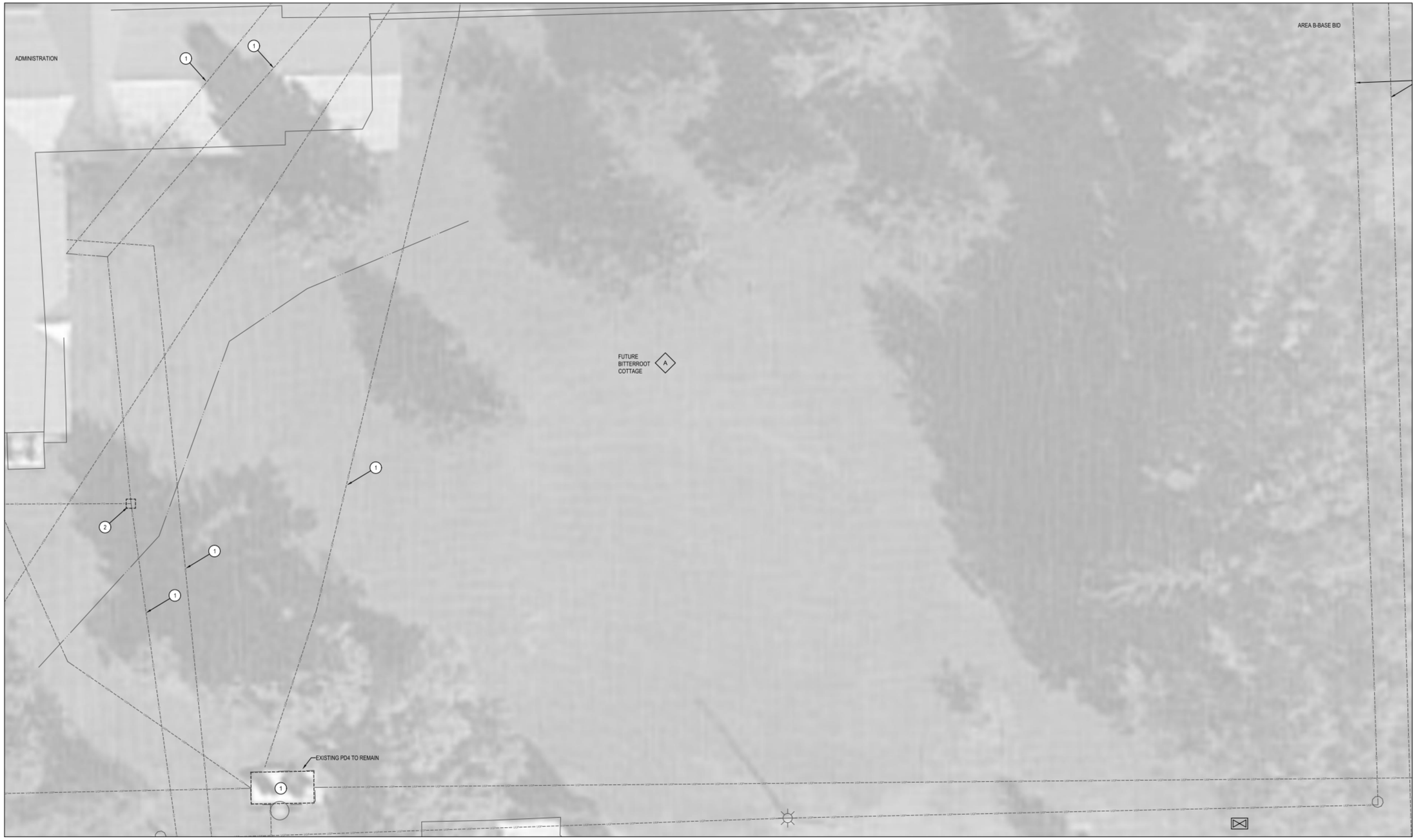

1 ELECTRICAL SITE DEMO PLAN-AREA B - BASE BID
SCALE: 1" = 10'

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. EXISTING UTILITIES TO REMAIN, SEE CIVIL.
2. EXISTING FIBER OPTIC JUNCTION BOX TO REMAIN.
3. DISCONNECT EXISTING FIBER SERVICE IN PREPARATION FOR BUILDING REMOVAL.
4. DISCONNECT EXISTING ELECTRICAL SERVICE IN PREPARATION FOR BUILDING REMOVAL.

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SHEET TITLE:
ELECTRICAL SITE DEMO PLAN-AREA B - BASE BID

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1 ELECTRICAL SITE DEMO PLAN-AREA C - ALTERNATE 1

SCALE: 1" = 10'

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. EXISTING UTILITIES TO REMAIN, SEE CIVIL.
2. EXISTING FIBER OPTIC JUNCTION BOX TO REMAIN.
3. DISCONNECT EXISTING FIBER/TELEPHONE SERVICE IN PREPARATION FOR BUILDING REMOVAL. CUT AND SPLICE 2"C WITH 1-100 PAIR TELEPHONE CABLE, 2"C WITH 1-100 PAIR TELEPHONE CABLE AND 3"C WITH FIBER OPTIC CABLE.
4. DISCONNECT EXISTING ELECTRICAL SERVICE IN PREPARATION FOR BUILDING REMOVAL.
5. DISCONNECT EXISTING FIBER SERVICE TO BUILDING.

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PROJECT: DJC: ST. ANTHONY COTTAGES

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SHEET TITLE: ELECTRICAL SITE DEMO PLAN-AREA C - ALTERNATE 1

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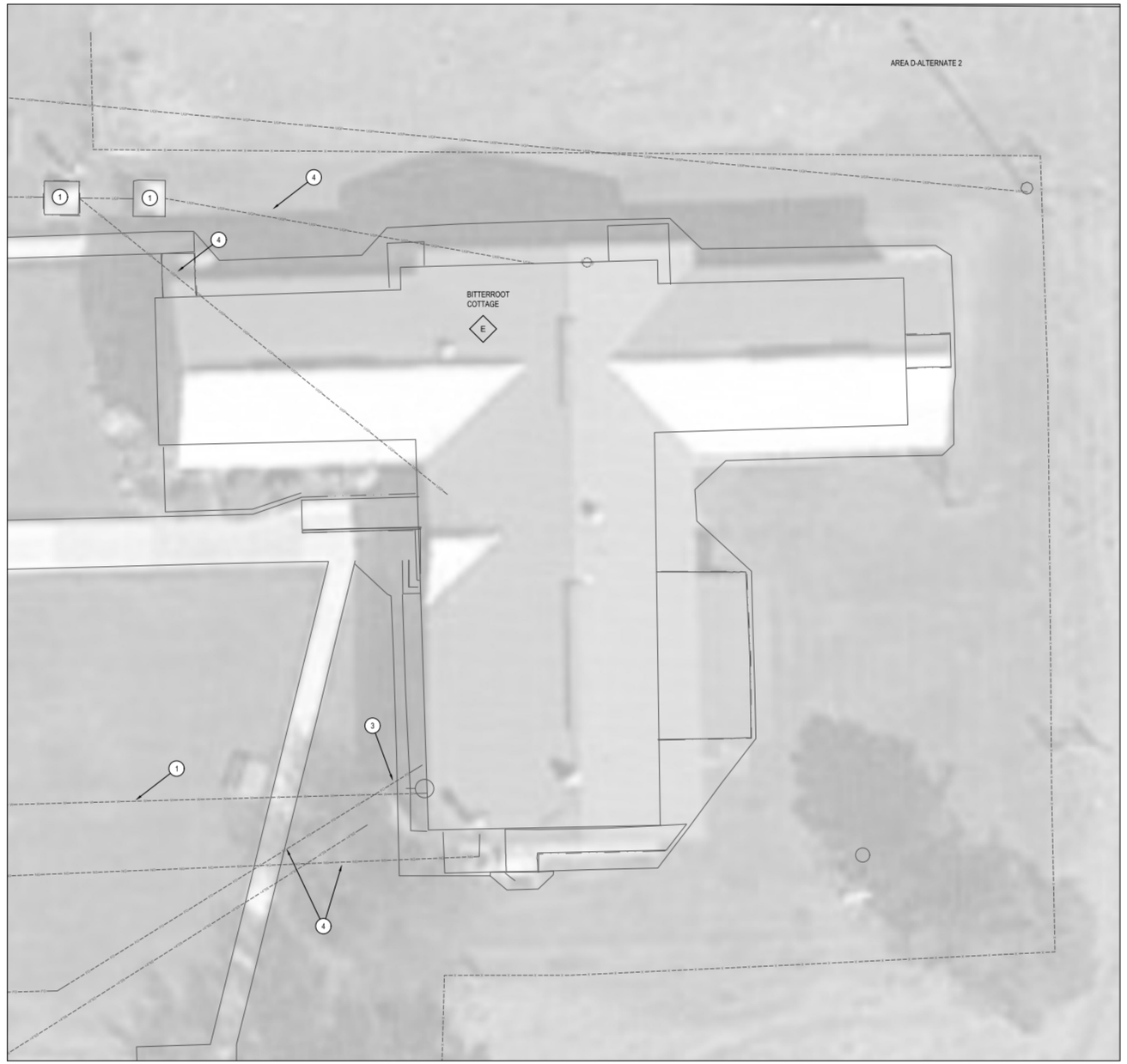

1 ELECTRICAL SITE DEMO PLAN-AREA D - ALTERNATE 2
SCALE: 1" = 10'

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. EXISTING UTILITIES TO REMAIN, SEE CIVIL.
2. EXISTING FIBER OPTIC JUNCTION BOX TO REMAIN.
3. DISCONNECT EXISTING FIBER SERVICE IN PREPARATION FOR BUILDING REMOVAL.
4. DISCONNECT EXISTING ELECTRICAL SERVICE IN PREPARATION FOR BUILDING REMOVAL.

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SHEET TITLE: ELECTRICAL SITE DEMO PLAN-AREA D - ALTERNATE 2

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1 ELECTRICAL SITE DEMO PLAN-AREA E - ALTERNATE 2

SCALE: 1" = 20'

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. EXISTING UTILITIES TO REMAIN, SEE CIVIL.
2. EXISTING FIBER OPTIC JUNCTION BOX TO REMAIN.
3. DISCONNECT EXISTING FIBER/TELEPHONE SERVICE IN PREPARATION FOR BUILDING REMOVAL. CUT AND SPLICE 1"C WITH 2-25 PAIR FIBER OPTIC CABLE, 1"C WITH 1-50 PAIR TELEPHONE CABLE, FIRE ALARM CABLE AND CAT 5 CABLE AND 2"C EMPTY SPARE.
4. DISCONNECT EXISTING ELECTRICAL SERVICE IN PREPARATION FOR BUILDING REMOVAL.
5. DISCONNECT EXISTING FIBER SERVICE TO BUILDING.
6. INSTALL NEW JUNCTION BOX SEE INSTALLATION DRAWINGS.

MUSGROVE ENGINEERING, P.A.
234 S. Whisperwood Way
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208.384.0585
645 West 25th Street
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PROJECT NO. 21-471

PROFESSIONAL ENGINEER REGISTERED 13299 12-30-2022 STATE OF IDAHO MATTHEW N. BRADLEY

nbwarchitects p.a.
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(P) 208.522.8779 (F) 208.522.8785 (W) nbwarchitects.com

DPW PROJECT NO. 21725

PROJECT:
DJC: ST. ANTHONY COTTAGES
2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
ELECTRICAL SITE DEMO PLAN-AREA E - ALTERNATE 2

REVISIONS

PROJECT NO.
21023
DATE:
DECEMBER 2022
DRAWN BY:
CJ
CHECKED BY:
MB

DRAWING NO.:
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PROJECT NO. 21-471

1 OVERALL ELECTRICAL SITE INSTALL PLAN
SCALE: 1" = 100'

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PROJECT:
DPW PROJECT NO. 21725
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2220 E 600 N
ST. ANTHONY, IDAHO 83445

SHEET TITLE:
OVERALL ELECTRICAL SITE INSTALL PLAN

REVISIONS

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PROJECT NO. 21-471

1 ELECTRICAL SITE INSTALL PLAN- AREA B - BASE BID
SCALE: 1" = 10'

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. EXISTING UTILITIES SEE CIVIL DRAWINGS.
2. EXISTING FIBER OPTIC JUNCTION BOX TO REMAIN. EXISTING FIBER OPTIC SERVICE LOOP INSTALLED BY AGENCY. PULL EXISTING FIBER OPTIC LINE THROUGH NEW CONDUIT TO NEW NETWORK RACK AND FIBER OPTIC PANEL.
3. NEW 2"C 24" BELOW GRADE TO NEW NETWORK RACK IN IT ROOM 105.
4. NEW IT RACK INSTALLED AS PART OF THIS PROJECT. SEE SPECIFICATION SECTION 271343.
5. ELECTRICAL FEEDER TO COTTAGE (A) (BITTERROOT) SEE ONE LINE ON E5.4.
6. INSTALL NEW 24"X24" TRAFFIC RATED JUNCTION BOX FOR FIBER OPTIC CABLE.

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PROJECT:
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2220 E 600 N
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SHEET TITLE:
ELECTRICAL SITE INSTALL PLAN-AREA B - BASE BID

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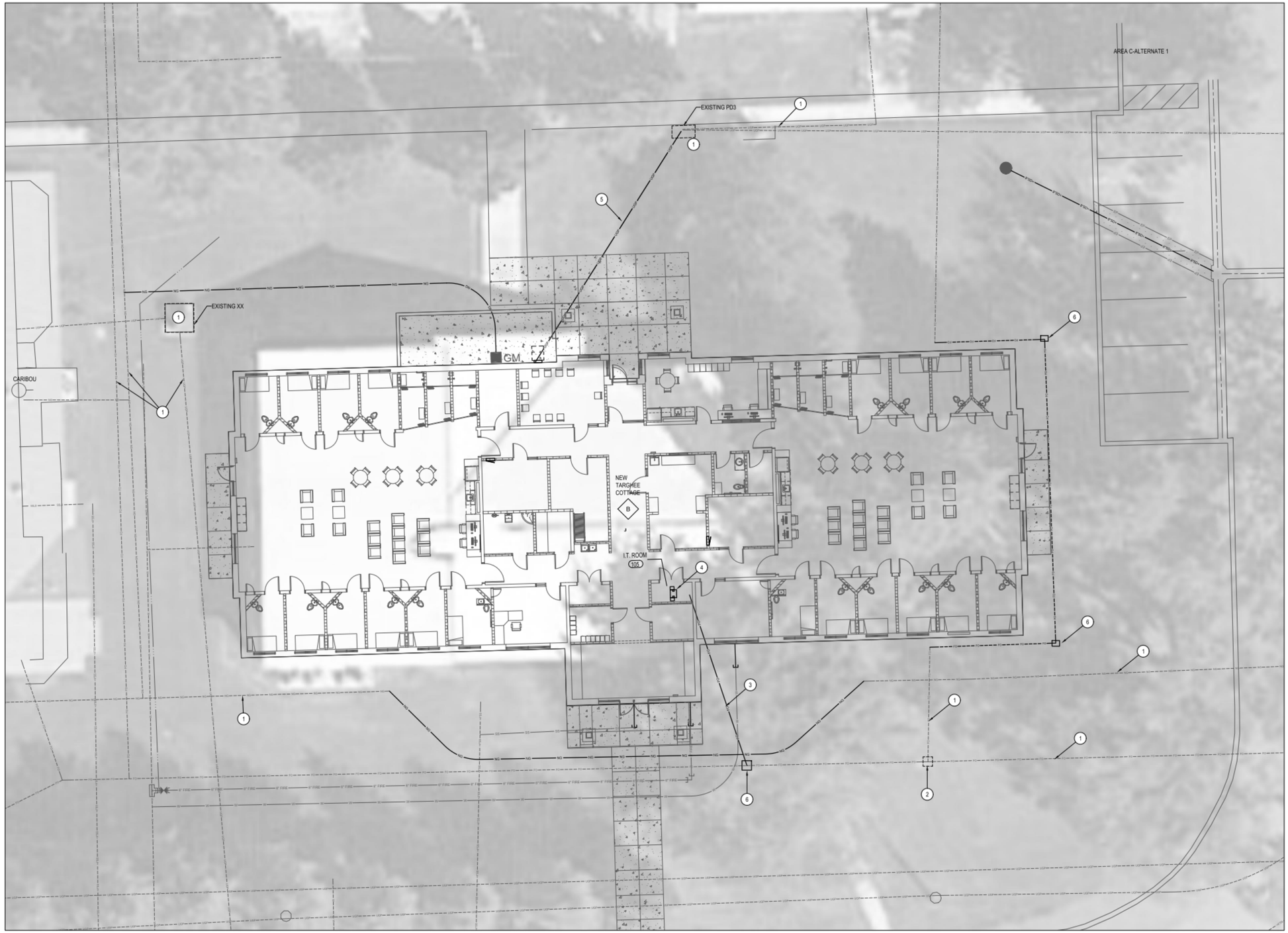

1 ELECTRICAL SITE INSTALL PLAN-AREA C - ALTERNATE 1
SCALE: 1" = 10'

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. EXISTING UTILITIES SEE CIVIL DRAWINGS.
2. EXISTING FIBER OPTIC JUNCTION BOX TO REMAIN. EXISTING FIBER OPTIC SERVICE LOOP INSTALLED BY AGENCY. PULL EXISTING FIBER OPTIC LINE THROUGH NEW CONDUIT TO NEW NETWORK RACK AND FIBER OPTIC PANEL.
3. NEW 2"C 24" BELOW GRADE TO NEW NETWORK RACK IN IT ROOM 105.
4. NEW IT RACK INSTALLED AS PART OF THIS PROJECT. SEE SPECIFICATION SECTION 271343.
5. ELECTRICAL FEEDER TO COTTAGE (B) (TARGHEE) SEE ONE LINE ON E5.4.
6. INSTALL NEW 24"X24" TRAFFIC RATED JUNCTION BOX FOR FIBER OPTIC CABLE.

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PROJECT:

SHEET TITLE: ELECTRICAL SITE INSTALL PLAN-AREA C - ALTERNATE 1

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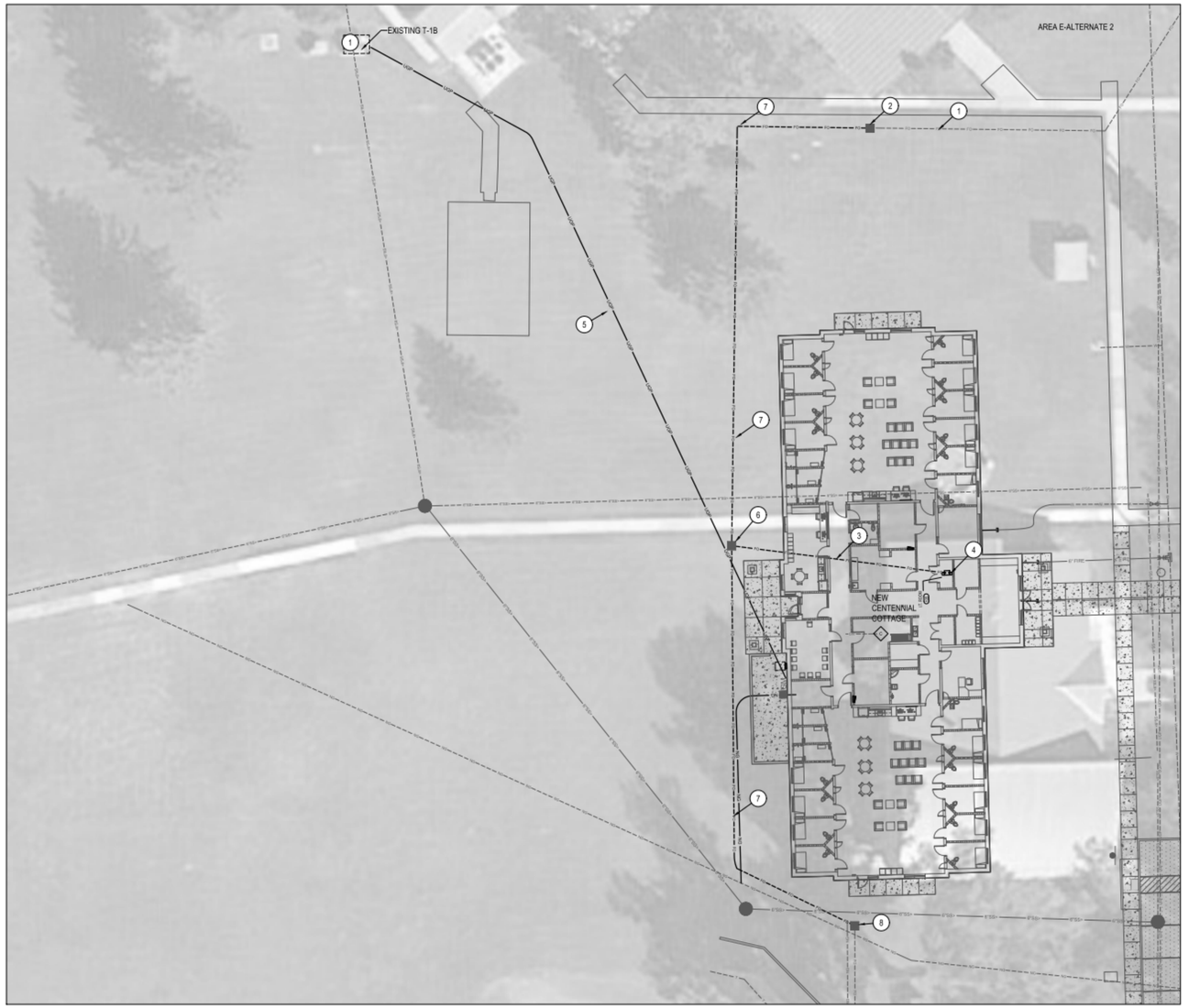

1 ELECTRICAL SITE INSTALL PLAN-AREA E - ALTERNATE 2
SCALE: 1" = 20'

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. EXISTING UTILITIES SEE CIVIL DRAWINGS.
2. EXISTING FIBER OPTIC JUNCTION BOX TO REMAIN. EXISTING FIBER OPTIC SERVICE LOOP INSTALLED BY AGENCY. PULL EXISTING FIBER OPTIC LINE THROUGH NEW CONDUIT TO NEW NETWORK RACK AND FIBER OPTIC PANEL.
3. NEW 2"C 24" BELOW GRADE TO NEW NETWORK RACK IN IT ROOM 105.
4. NEW IT RACK INSTALLED AS PART OF THIS PROJECT. SEE SPECIFICATION SECTION 271343.
5. ELECTRICAL FEEDER TO COTTAGE (C) (CENTENNIAL) SEE ONE LINE ON E5.4.
6. INSTALL NEW 24"X24" TRAFFIC RATED JUNCTION BOX FOR FIBER OPTIC CABLE.
7. CUT AND SPLICE 1"C WITH 2-25 PAIR FIBER OPTIC CABLE, 1"C WITH 1-50 PAIR TELEPHONE CABLE, FIRE ALARM CABLE AND CAT 5 CABLE AND 2"C EMPTY SPARE.
8. INSTALL NEW 24"X24" TRAFFIC RATED JUNCTION BOX FOR FIBER OPTIC CABLE.

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PROJECT:
DPW PROJECT NO. 21725
DJC: ST. ANTHONY COTTAGES
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SHEET TITLE:
ELECTRICAL SITE INSTALL PLAN-AREA E - ALTERNATE 2

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