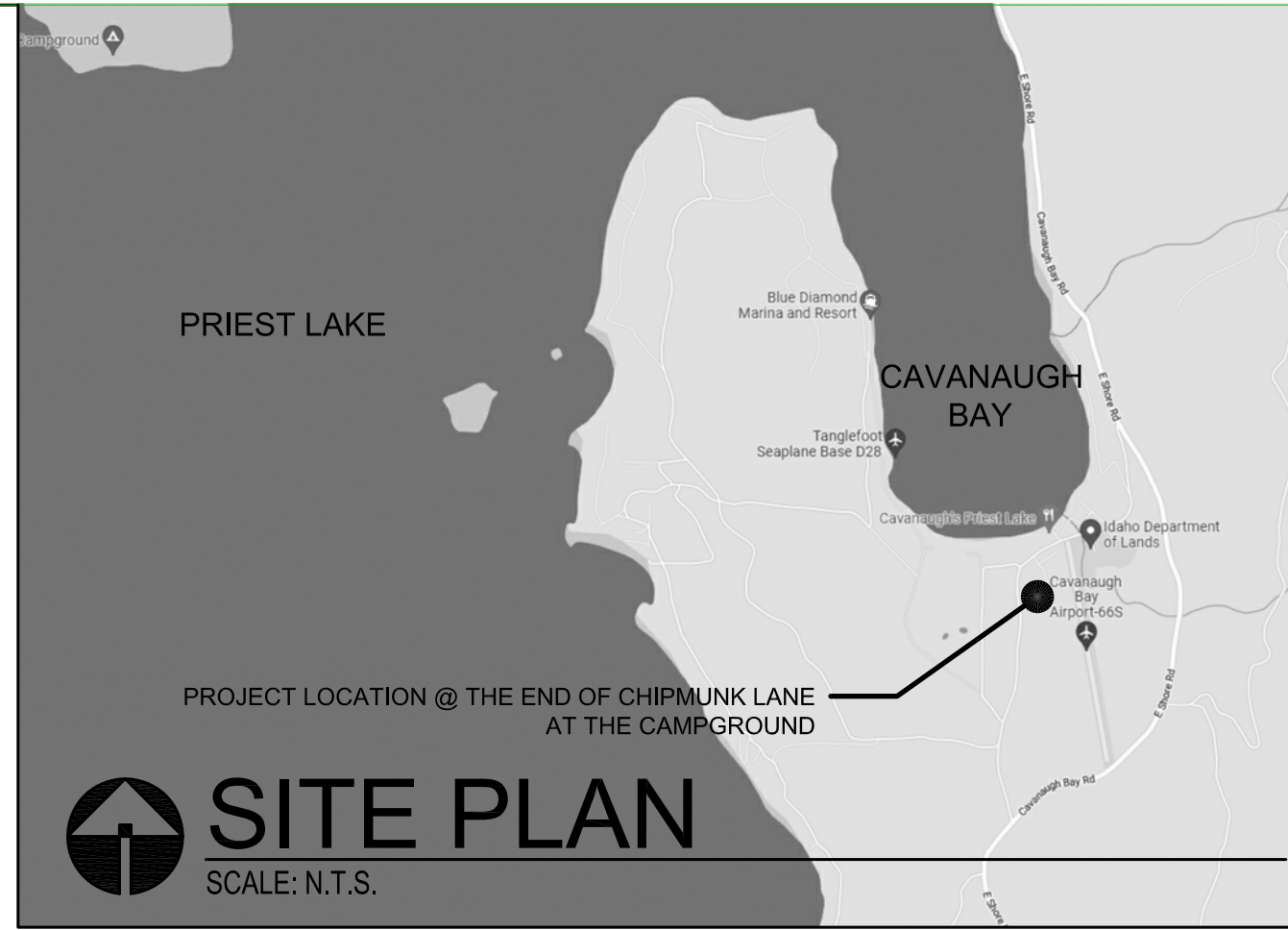


# ITD Cavanaugh Bay Restroom



**SITE PLAN**  
SCALE: N.T.S.

## PROJECT INFORMATION CODE INFORMATION

### PARCEL INFORMATION

LEGAL DESCRIPTION:  
PARCEL #: RP60N04W266001A  
SITE AREA: 122.58 ACRES

PERMITTING JURISDICTION  
STATE OF IDAHO DIVISION OF BUILDING SAFETY

STATE COUNTY  
BONNER COUNTY, IDAHO

### FACILITY INFORMATION:

AREA  
114 SQ. FT.  
STORIES  
1 STORY  
HEIGHT  
14'-9"

### BUILDING CODES:

2018 INTERNATIONAL BUILDING CODE (IBC)

### DESIGN CRITERIA:

ROOF SNOW LOAD: 60 PSF  
GROUND SNOW LOAD: 80 PSF  
WIND SPEED: ESTABLISHED BY CALCULATION  
EXPOSURE: B  
SEISMIC DESIGN CATEGORY: C  
WEATHERING: SEVERE  
FROST LINE DEPTH: 24"  
TERMITE DAMAGE: SLIGHT TO MODERATE  
SOIL BEARING CAPACITY: 1500 PSF U.N.O.  
CONCRETE: 2500 PSF (NOT EXPOSED)  
3000 PSF (VERTICAL EXPOSED)  
3500 PSF (HORZ. EXPOSED)

OCCUPANCY CLASSIFICATIONS:  
U - (UTILITY AND MISCELLANEOUS GROUP)

TYPE OF CONSTRUCTION:  
NON-COMBUSTIBLE NON-RATED (II-B)

SPRINKLERS:  
NO

ALLOWABLE BUILDING HEIGHT (IBC):  
55'-0" ABOVE AVERAGE GRADE

ALLOWABLE STORIES (IBC):  
U (NS): 2 STORIES

### ALLOWABLE AREA (IBC):

U (NS): 34,000 sq. ft.  
MIXED OCCUPANCY:  
NO: ONE OCCUPANCY

## DESIGN TEAM

### OWNER:

IDAHO TRANSPORTATION DEPARTMENT - AERONAUTICS DIVISION (D8)  
1390 W. GOWEN RD. BOISE, IDAHO 83705  
PH: (208) 334-8893  
AIRPORT MANAGER:  
DAN CONNER  
EMAIL: DAN.CONNER@ITD.IDAHO.GOV

IDAHO TRANSPORTATION DEPARTMENT - FACILITIES  
11331 W. CHINDEN BLVD., BLDG 8 BOISE, IDAHO  
PH: (208) 334-8600  
FACILITIES PROGRAM MANAGER:  
TONY PIRC  
CONTACTING OFFICER:  
JACOB JACKSON  
EMAIL: TONY.PIRC@ITD.IDAHO.GOV EMAIL: JACOB.JACKSON@ITD.IDAHO.GOV

### ARCHITECT:

MILLER STAUFFER ARCHITECTS  
601 E. FRONT AVE., STE. 201  
COEUR D'ALENE, IDAHO 83814  
PH: (208) 664-1773  
PROJECT MANAGER:  
MICHAEL WALKER  
EMAIL: MIKE@MILLERSTAUFFER.COM

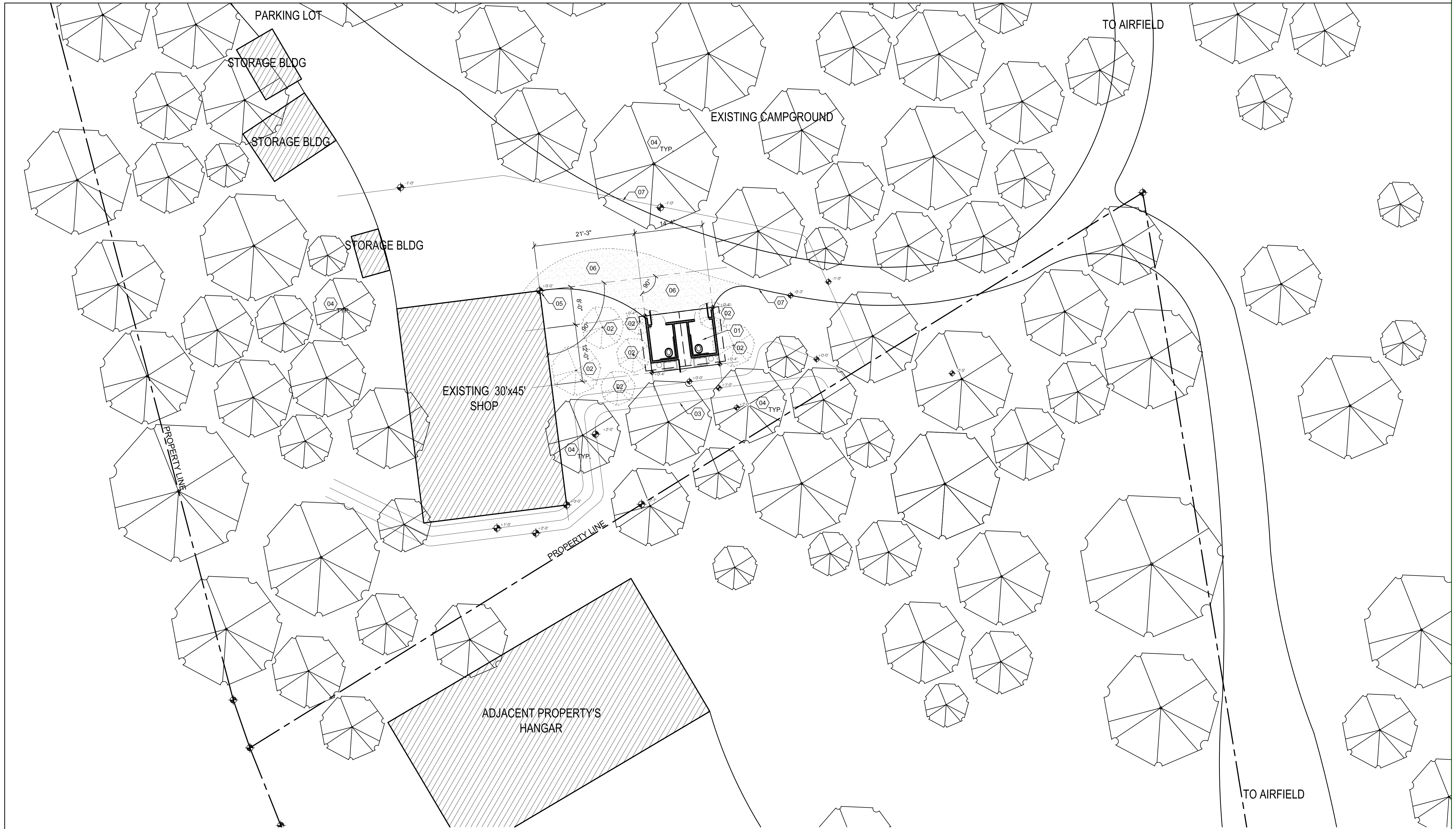
## GENERAL NOTES

- CONTRACTOR TO LEVEL THE AREA WHERE THE NEW RESTROOM IS GOING TO BE INSTALLED WITH A 2% MAXIMUM SLOPE FROM SOUTHWEST TO NORTHEAST TOWARDS THE PATH.
- THE FINISH GRADE AROUND THE NEW VAULT TOILET TO BE A MINIMUM OF 1" BELOW THE SEAM BETWEEN THE VAULT AND THE FLOOR OF THE RESTROOMS.
- CONTRACTOR SCOPE TO INCLUDE EXCAVATION, BACKFILL, GRADING, PROCUREMENT OF VAULT TOILET AS SHOWN, AND INSTALLATION RESTROOM.

### XX SITE PLAN KEYNOTES

NOTE: ALL KEYNOTES MAY NOT BE USED IN DRAWINGS

- NEW DOUBLE VAULT RESTROOM TO BE INSTALLED AS SHOWN
- EXISTING TREE TO BE REMOVED INCLUDING THE STUMP
- ESTIMATED NEW CONTOUR LINES FOR GRADING
- EXISTING TREES TO REMAIN - LOWER LIMBS CAN BE REMOVED TO ALLOW FOR NEW CONSTRUCTION
- BASEPOINT ELEVATIONS ARE TAKEN FROM - CORNER OF EXISTING SHOP STRUCTURE
- NEW 6" DEEP PEA GRAVEL PATH IN FRONT OF THE NEW VAULT RESTROOM
- EDGE OF EXISTING GRAVEL PATH



**SITE PLAN**  
SCALE: 1" = 10'-0"

### GENERAL NOTES

1. THE STRUCTURE IS A REINFORCED PRECAST CONCRETE DOUBLE VAULT ANSI (ADA) COMPLIANT TOILET.
2. ALL WALL, ROOF, AND FLOOR COMPONENTS OF THE DOUBLE RESTROOM ARE TO BE PRECAST REINFORCED CONCRETE.
3. THE SCOPE OF WORK TO INCLUDE ALL DOOR AND WINDOW HARDWARE AND COMPONENTS.
4. THE STRUCTURE HAS NO POWER OR WATER.
5. THE SCOPE OF WORK TO INCLUDE THE WALLS, ROOF, FLOOR, VAULTS, DOORS, WINDOWS, VENTS, GRAB BARS, AND TOILET.
6. ALL SURFACES ARE TO BE PAINTED. THE CONCRETE IS TO BE CURED WITH A MOISTURE CONTENT BELOW THE MANUFACTURE REQUIREMENTS FOR PAINT INSTALLATION.
7. THE CONTRACTOR TO INCLUDE THE COST TO EXCAVATE FOR THE VAULTS, INSTALL VAULT BEDDING, SET THE VAULTS BACKFILLING, AND FINAL GRADING AROUND THE STRUCTURE.
8. THE CONTRACTOR TO INCLUDE ALL COST OF SHIPPING AND TRUCKING IN THE BID.
9. THE CONTRACTOR TO INCLUDE THE INSTALLATION OF THE VAULT RESTROOM ABOVE THE VAULTS PER MANUFACTURE INSTRUCTIONS.
10. THE VAULTS ARE TO BE BACKFILLED WITH FREE DRAINING CRUSHED AGGREGATE GRAVEL TO LIMIT HYDROSTATIC PRESSURE AGAINST THE TANKS.
11. ALL PANELS AND TANKS TO BE STRUCTURALLY ENGINEERED FOR THE LOCAL LOCATION AND EXPOSURE. PANELS AND VAULTS TO BE DESIGN BUILD, CONTRACTOR TO PROVIDE IDAHO STAMPED ENGINEERED SHOP DRAWINGS AS PART OF THE PROJECT SCOPE OF WORK.
12. TOP OF GRAB BAR TO BE AT +36" ABOVE FINISHED FLOOR
13. WASTE TANK TO BE LINED WITH BLACK POLYETHYLENE LINER THAT IS CAST INTO THE TANK.
14. EACH TOILET VAULT TO BE A MINIMUM OF 1,000GALLONS.
15. MASTIC TO BE INSTALLED BETWEEN VAULTS AND RESTROOM STRUCTURE

### BUILDING SECTION KEYNOTES

NOTE: ALL KEYNOTES MAY NOT BE USED IN DRAWINGS

1. SOLID & LIQUID WASTE CHAMBER SLOPE TO ACCESS HATCH (REAR SIDE) OF THE STRUCTURE AS SHOWN.
2. VOID CHAMBER WITH HOLE IN BOTTOM OF CHAMBER TO ALLOW ANY WATER OR CONDENSATION TO DRAIN AWAY FROM THE FACILITY.
3. REINFORCED PRE-CAST CONCRETE ROOF PANEL WITH EXTERIOR AND INTERIOR PAINTED FINISH - EXTERIOR TEXTURE - REFER TO EXTERIOR ELEVATIONS
4. REINFORCED PRE-CAST CONCRETE WALL PANEL WITH EXTERIOR AND INTERIOR PAINTED FINISH - EXTERIOR TEXTURE - REFER TO EXTERIOR ELEVATIONS
5. NATIVE SOIL COMPACTED TO 95% STANDARD PROCTOR
6. COMPACTED 1/2" MINUS CRUSHED AGGREGATE BASE - 6" DEEP
7. COMPACTED 3/4" MINUS CRUSHED AGGREGATE BACK FILL - NOTE EXCAVATION TO BE SLOPED BACK AT 2:1 SLOPE.
8. GRADE TO BE HELD DOWN A MINIMUM OF 1" BELOW VAULT TOP TO PROHIBIT WATER FROM LEACHING INTO TANK AT SLAB TO VAULT SEAM. CONTRACTOR ALSO TO INSTALL A MASTIC ON TOP OF VAULTS BETWEEN SLAB AND VAULT
9. 6" DEEP WASHED PEA GRAVEL PATH UP TO FRONT FROM THE DRIVE WAY IN FRONT OF THE STRUCTURE.
10. PEA GRAVEL FILL BETWEEN THE TANKS

### BUILDING ELEVATION KEYNOTES

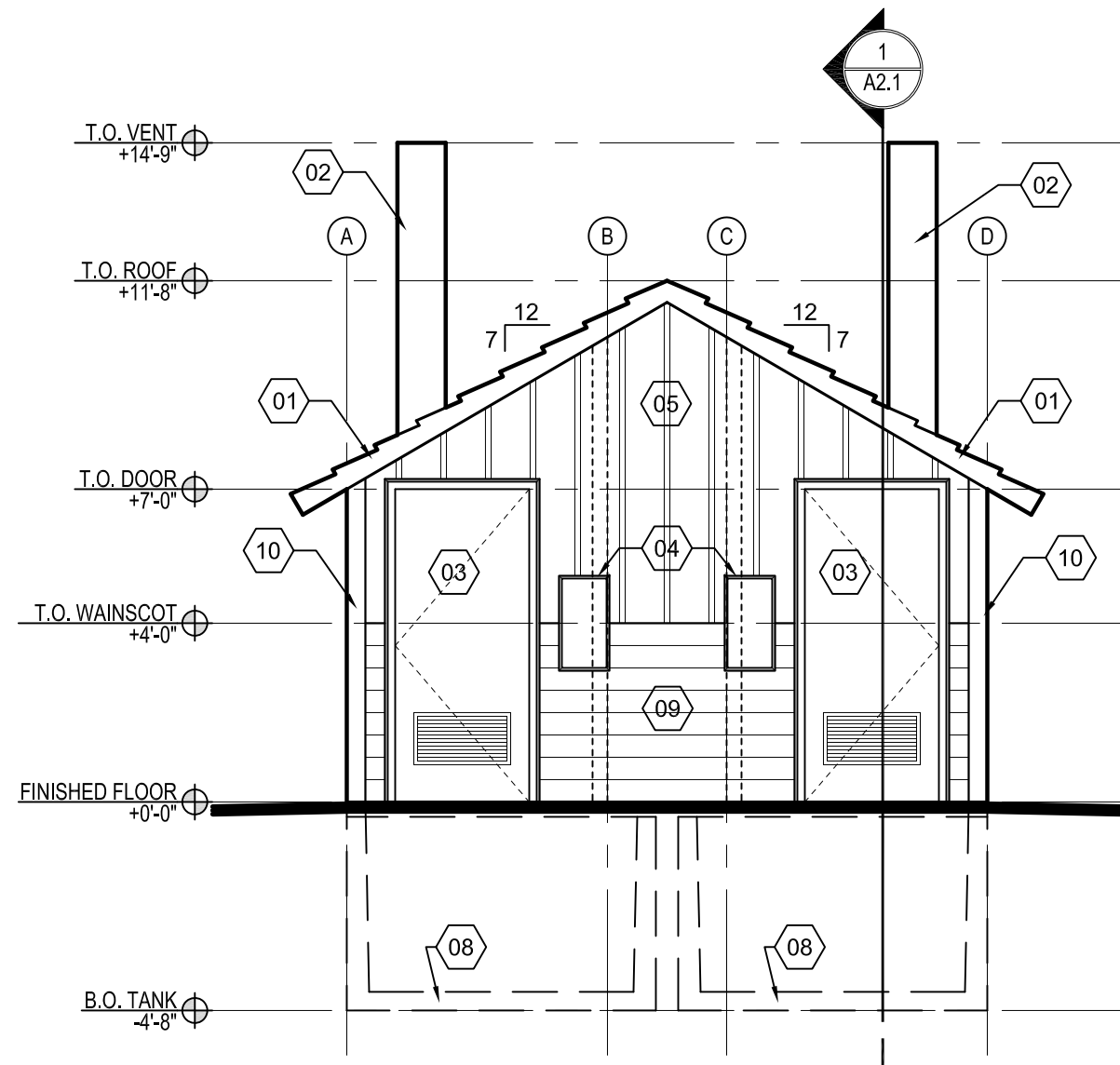
NOTE: ALL KEYNOTES MAY NOT BE USED IN DRAWINGS

1. PRECAST CONCRETE ROOF WITH A SHAKER PATTERN CAST INTO THE ROOF PANEL. THE PANEL TO BE PAINTED WITH A CONCRETE RATED PAINT. THE COLOR TO BE P-1.
2. PVC VENT PIPE FOR WASTE VAULTS
3. HEAVY DUTY FLUSH STEEL DOOR WITH VENT SET IN A HOLLOW METAL FRAME THAT IS CAST INTO THE PRECAST CONCRETE WALL PANEL. - REFER TO DOOR SCHEDULE. THE FRAME TO BE PAINTED P-3 AND THE DOOR SLAB TO BE PAINTED P-4.
4. CAST RECESSES FOR ADA SIGN. CONTRACTOR TO INSTALL A 12" x 24" ANSI COMPLIANT ADA RESTROOM SIGN. THE SIGN IS TO BE PAINTED METAL AND SECURED TO PRECAST PANEL WITH TAMPER RESISTANT FASTENERS.
5. BOARD & BATTEN SIDING TEXTURE CAST INTO THE PRE-CAST CONCRETE WALL PANEL. THE SECTION OF THE PANEL TO BE PAINTED WITH A CONCRETE RATED PAINT. THE COLOR TO BE P-2.
6. DOUBLE PANED TEMPERED GLAZED FIXED WINDOW, SET IN A HOLLOW METAL FRAME. THE FRAME TO BE PAINTED P-3.
7. 12" x 12" PAINTED STEEL VENT. PAINTED WITH METAL RELATED PAINT. THE COLOR TO BE P-3.
8. PRE-CAST CONCRETE VAULT FOR SOLID & LIQUID WASTE
9. 5" EXPOSURE LAP SIDING TEXTURE CAST INTO PRE-CAST CONCRETE PANEL - SECTION TO BE PAINTED WITH CONCRETE RATED PAINT. THE COLOR TO BE P-5.
10. 5" WOOD GRAIN TRIM TEXTURE CAST INTO THE PRE-CAST CONCRETE WALL PANEL. THE SECTION TO BE PAINTED WITH CONCRETE RATED PAINT. THE COLOR TO BE P-6.

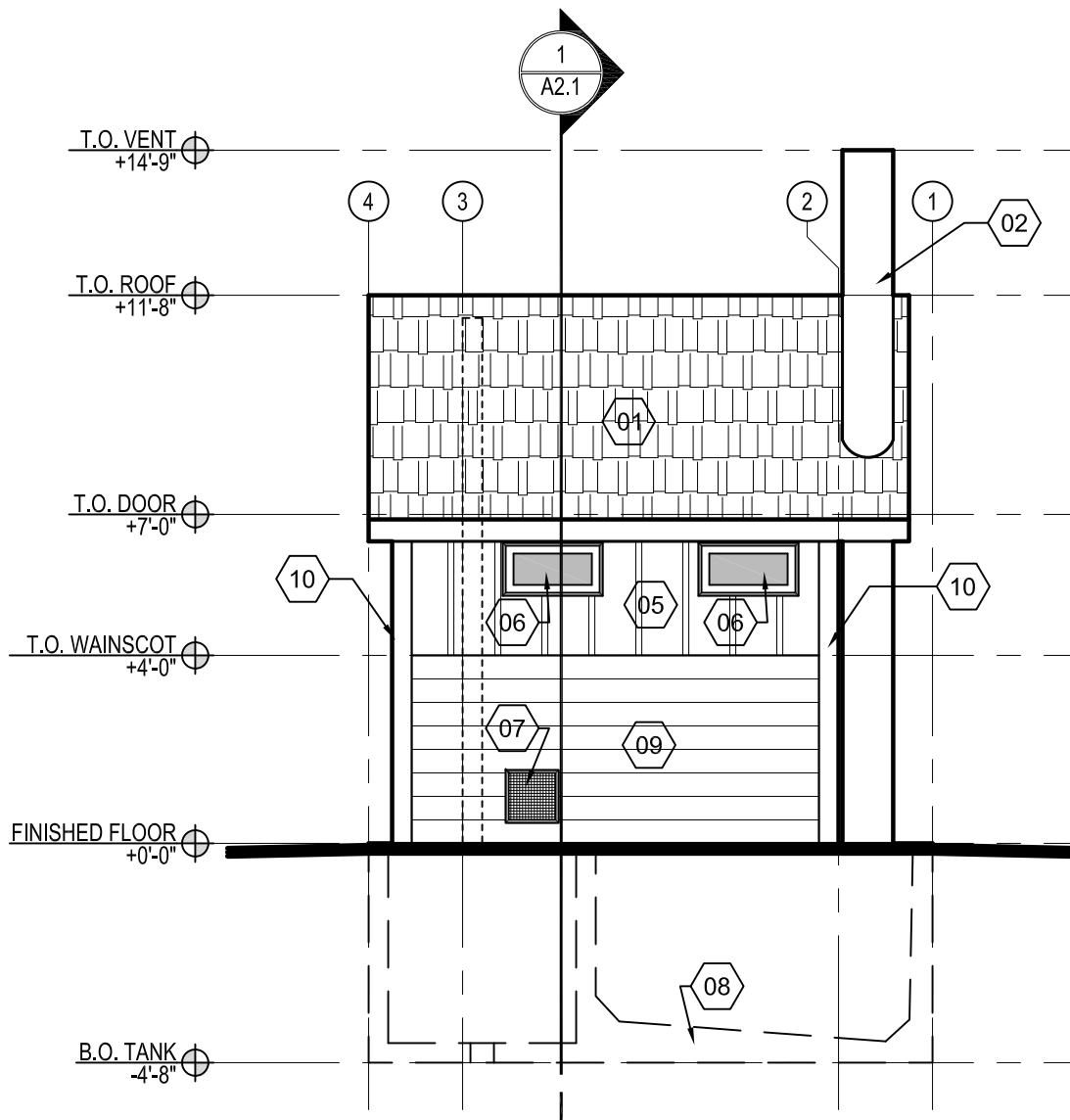
### FLOOR PLAN KEYNOTES

NOTE: ALL KEYNOTES MAY NOT BE USED IN DRAWINGS

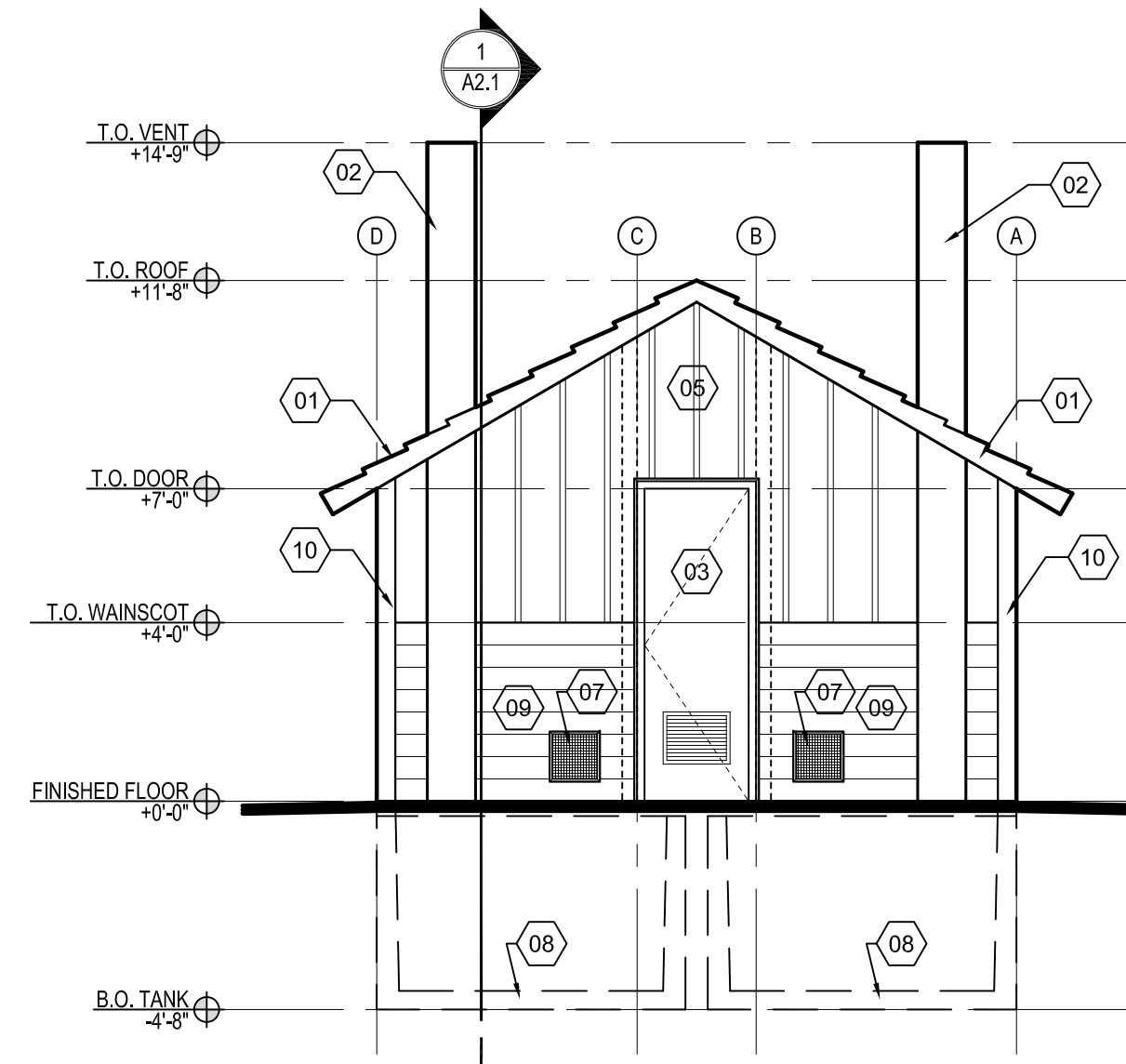
1. REINFORCED PRE-CAST CONCRETE WALL CONSTRUCTION. EXTERIOR TO BE CAST WITH THE TEXTURES NOTED AND PAINTED WITH EXTERIOR CONCRETE RATED PAINT. THE INTERIOR TO BE SMOOTH TEXTURE AND PAINTED WITH AN EPOXY PAINT. THE INTERIOR PAINT COLOR TO BE P-7.
2. ANSI COMPLIANT ADA GRAB BARS WITH CONCEALED TAMPER RESISTANT CONNECTORS AND PEENED FINISH.
3. VAULT TOILET RISER & TOILET SEAT. SEAT HEIGHT TO BE ANSI COMPLIANT.
4. PADLOCK LOCKABLE ALUMINIUM OR STAINLESS STEEL VAULT ACCESS DOOR.
5. 12" PVC WASTE VAULT VENT
6. FLUSH STEEL DOOR SET IN HOLLOW METAL FRAME. THE FRAME TO BE CAST INTO PRE-CAST PANEL.
7. EDGE OF PRE-CAST CONCRETE ROOF PANEL ABOVE
8. EDGE OF PRE-CAST CONCRETE VAULT



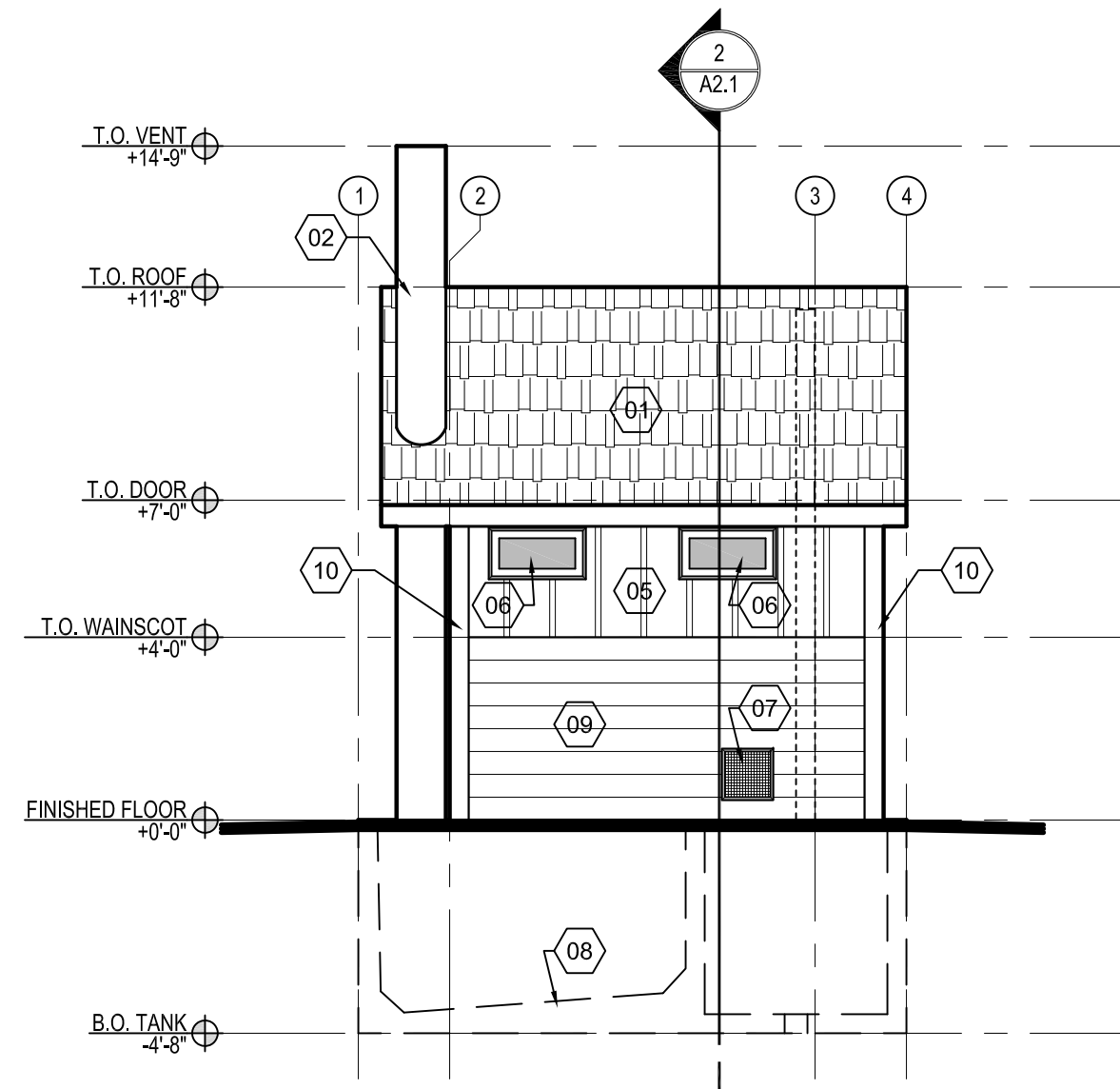
**NORTH ELEVATION**  
SCALE: 1/4" = 1'-0"



**WEST ELEVATION**  
SCALE: 1/4" = 1'-0"



**SOUTH ELEVATION**  
SCALE: 1/4" = 1'-0"



**EAST ELEVATION**  
SCALE: 1/4" = 1'-0"

### PAINT SCHEDULE

MARK	MANUFACTURE	DESCRIPTION	LOCATION	COLOR	#
P-1	SHERWIN WILLIAMS	EXTERIOR CONCRETE PAINT	EXT. ROOF	OAKMOSS	SW6180
P-2	SHERWIN WILLIAMS	EXTERIOR CONCRETE PAINT	EXT. BOARD & BATTEN	LATTE	SW6109
P-3	SHERWIN WILLIAMS	EXTERIOR METAL PAINT	DOOR & WINDOW JAMBS	BREVITY BROWN	SW6068
P-4	SHERWIN WILLIAMS	EXTERIOR METAL PAINT	DOOR SLAB	LATTE	SW6109
P-5	SHERWIN WILLIAMS	EXTERIOR CONCRETE PAINT	EXT. LAP SIDING	JUTE BROWN	SW6096
P-6	SHERWIN WILLIAMS	INT. EPOXY PAINT	ALL INTERIOR CONCRETE	DIVINE WHITE	SW6105

NOTE: MANUFACTURE CAN BE AN APPROVED EQUAL

### DOOR SCHEDULE

MARK	FRAME	DOOR	WxHxTH	HARDWARE	REMARKS
101-1	HM	HD STL	36 x 84 x 1 3/4"	A	-
102-1	HM	HD STL	36 x 84 x 1 3/4"	A	-
103-1	HM	HD STL	32 x 84 x 1 3/4"	B	-

#### HARDWARE

GROUP A  
HINGES  
FLOOR DOOR STOP  
CLOSER  
OCCUPANCY DEADBOLT  
CLASSROOM LEVER LOCKSET  
DOOR WEATHERSTRIP  
DOORSWEEP

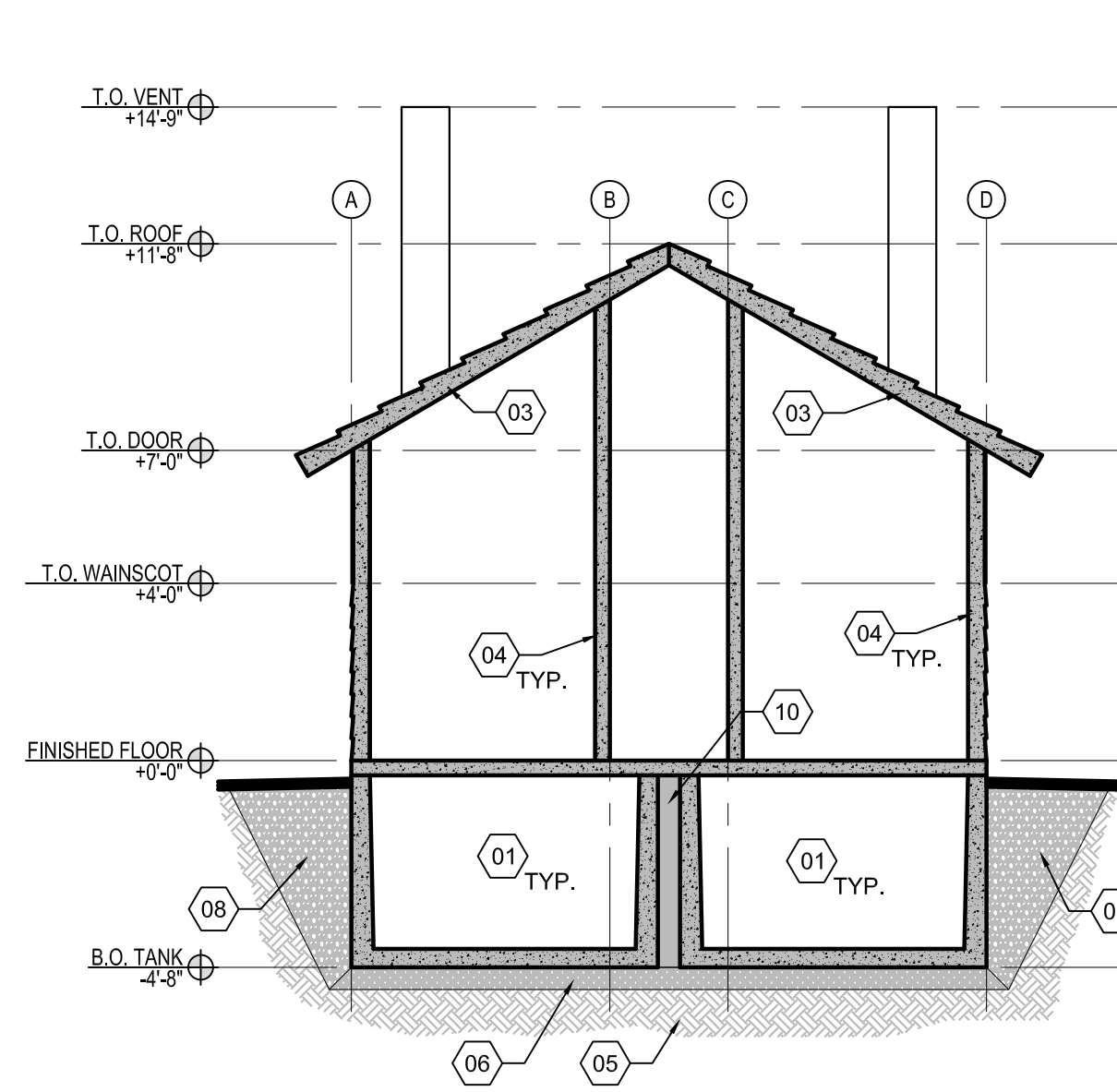
GROUP B  
HINGES  
FLOOR DOOR STOP  
KEYED DEADBOLT EXT ONLY  
DOOR WEATHERSTRIP  
DOORSWEEP

#### GENERAL NOTES

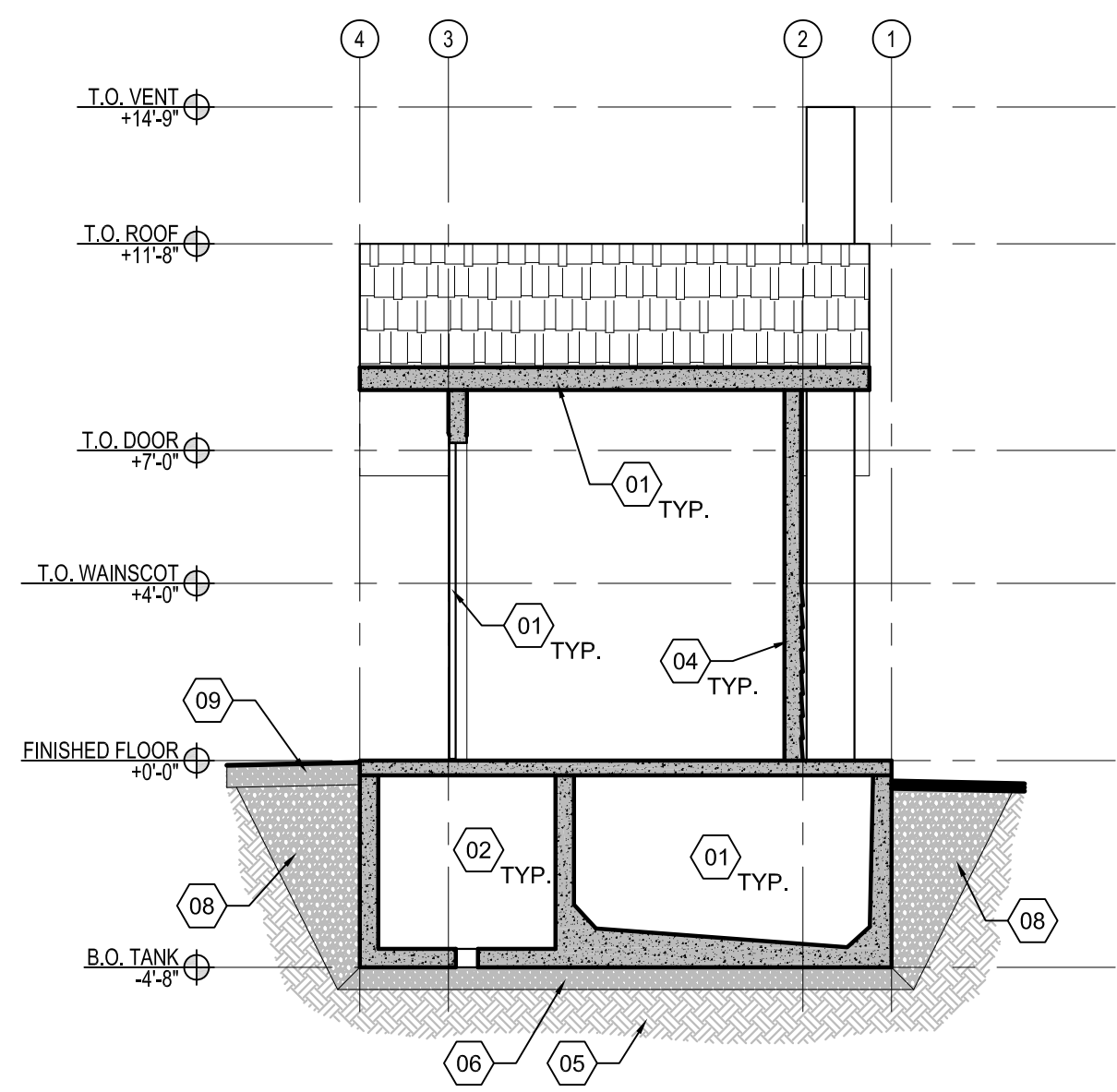
- 1: ALL DOOR HARDWARE TO BE ANSI COMPLIANT
- 2: ALL HARDWARE TO BE VANDAL RESISTANT WHERE POSSIBLE
- 3: ALL HARDWARE TO BE BRONZE FINISH

#### REMARKS

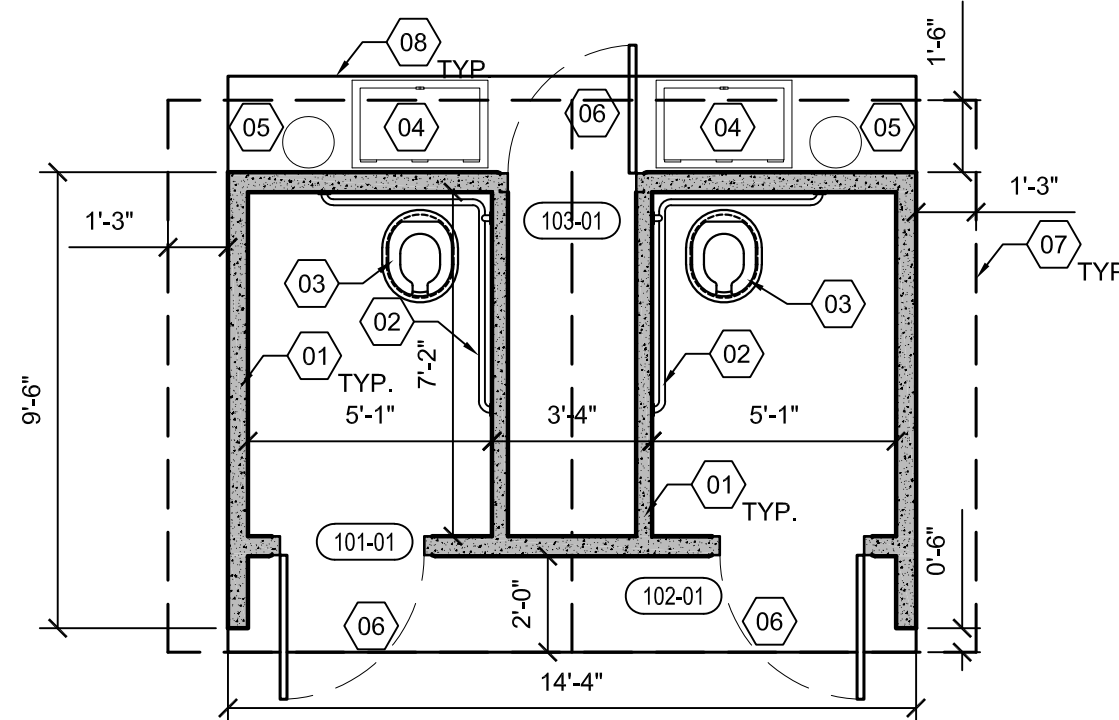
- 1: NONE



**1 BUILDING SECTION A**  
SCALE: 1/4" = 1'-0"



**2 BUILDING SECTION A**  
SCALE: 1/4" = 1'-0"



**FLOOR PLAN**  
SCALE: 1/4" = 1'-0"