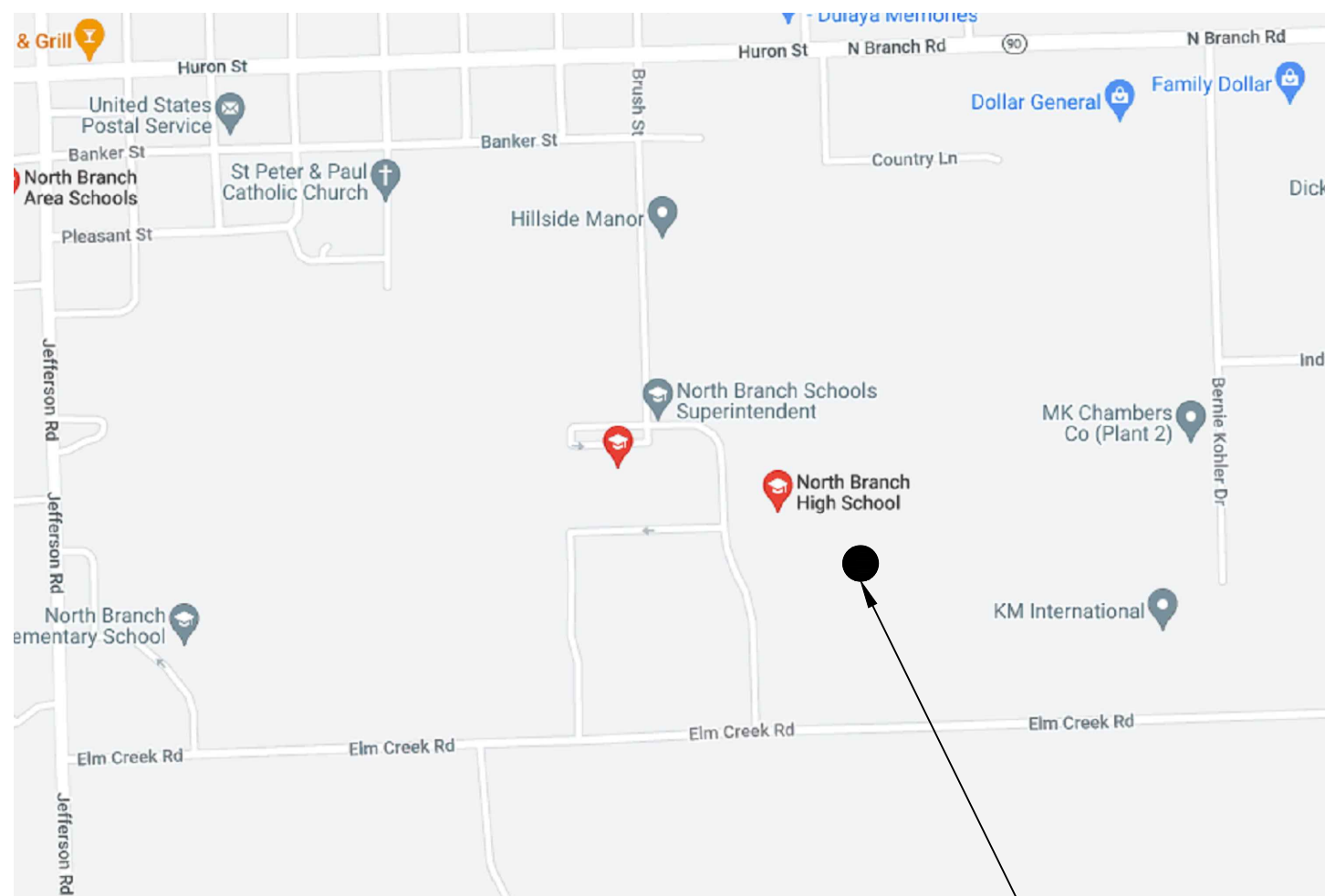


NEW RESTROOM FACILITY FOR NORTH BRANCH SCHOOLS

6598 BRUSH ST
NORTH BRANCH, MI



BUILDING
LOCATION



GENERAL:

CONDUCT SITE CLEARING OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION. STREETS AND ROADWAYS SHALL BE THOROUGHLY CLEANED AND/OR SWEPT ON A DAILY BASIS OR MORE FREQUENTLY AS REQUIRED BY THE GOVERNING AUTHORITY. RESTORE DAMAGED IMPROVEMENTS TO ORIGINAL CONDITION AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.

THE CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES IN ACCORDANCE WITH LOCAL AUTHORITIES.

ALL STREET SURFACES, DRIVEWAYS, CULVERTS, ROADSIDE DRAINAGE DITCHES AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, PERMIT FEES, LICENSES, AND LICENSE FEES.

ALL ELEVATIONS IN PAVED AREAS ARE TOP OF FINISHED PAVEMENT UNLESS OTHERWISE NOTED.

RELOCATION OF ANY UTILITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROPRIATE UTILITY COMPANY AND/OR REGULATORY AGENCY. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM ENGINEER BEFORE ANY UTILITY RELOCATION.

NO DIMENSION MAY BE SCALED ON DRAWINGS. REFER UNCLEAR ITEMS TO THE ENGINEER FOR INTERPRETATION.

MISS-DIG:

ALL CONTRACTORS SHALL NOTIFY UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING OF THE INTENT TO EXCAVATE NO LESS THAN 72 HOURS PRIOR TO SUCH EXCAVATION (EXCLUSIVE OF SATURDAYS, SUNDAYS, AND HOLIDAYS) AND CALL "MISS-DIG" AT 1-800-482-TITL.

EXISTING UTILITY LOCATIONS SHOWN SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. LOCATIONS OF UNDERGROUND UTILITIES ON THESE DRAWINGS ARE APPROXIMATE ONLY AND BASED ON ACTUAL FIELD LOCATIONS OF VISIBLE STRUCTURES AND PLAN COMPUTATIONS.

SITE WORK AND GRADING:

FINISHED SUBGRADE SURFACE SHALL NOT BE MORE THAN 0.1 FEET ABOVE OR BELOW ESTABLISHED FINISHED SUBGRADE ELEVATIONS AND ALL GROUND SURFACES SHALL VARY UNIFORMLY BETWEEN INDICATED ELEVATIONS. FINISHED DITCHES SHALL BE GRADED TO ALLOW FOR PROPER DRAINAGE.

EASEMENT STATEMENT

ALL PUBLIC SANITARY SEWER AND PUBLIC WATER MAINS SHALL HAVE AN EASEMENT GRANTED TO THE AGENCY OR MUNICIPALITY FOR MAINTENANCE, REPAIR, AND/OR REPLACEMENT. FOR CONCURRENCES, THE EASEMENT SHALL BE RECORDED ON THE MASTER DEED DOCUMENT AND FOR A SUBDIVISION, THE EASEMENT SHALL BE NOTED ON THE FINAL RECORDED PLAT. ALL OTHERS SHALL BE RECORDED ON STANDARD G.O.C. EASEMENT DOCUMENTS.

N.P.D.E.S. STATEMENT

THERE WILL BE 10 ACRES DISTURBED, THEREFORE AN N.P.D.E.S. PERMIT IS REQUIRED.

CONTRACTOR ALERT STATEMENT

THIS PROJECT HAS BEEN DESIGNED USING THE LATEST G.O.C. CRITERIA. REVIEW THE NOTES, DETAILS, AND DESIGN CAREFULLY PRIOR TO SUBMITTING A BID. FULL COMPLIANCE WITH THE NEW STANDARDS WILL BE REQUIRED.

PUBLIC UTILITY STATEMENT

ALL SANITARY SEWERS 8" AND LARGER IN DIAMETER AND ALL WATER MAINS 8" AND LARGER IN DIAMETER FOR THIS PROJECT ARE DESIGNED FOR AND WILL BECOME A PUBLIC SYSTEM UPON SATISFACTORY APPROVAL BY THE AGENCY OR MUNICIPALITY.

USE GROUP ———— ACCESSORY USE TO A5
CONSTRUCTION TYPE ———— 3B

OCCUPANT LOAD ———— 0 PERSONS

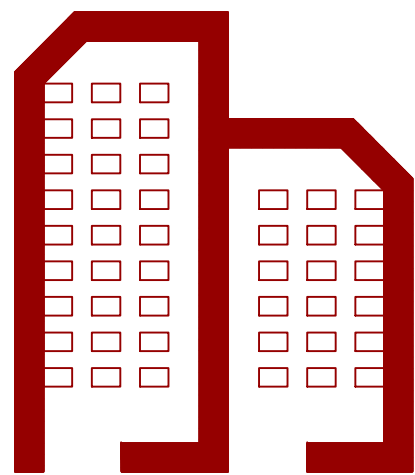
TOTAL BUILDING AREA ———— 793 SQ. FT.

SHEET INDEX

COVER SHEET	ARCHITECTURAL
C1 SITE PLAN	A1 FOUNDATION PLAN
	A2 FLOOR PLAN
	A3 EXTERIOR ELEVATIONS
	M1 MECHANICAL PLAN
	E1 ELEC / LIGHTING PLAN
	E1 ELEC CALCS / PANEL
	P1 PLUMBING PLAN



Know what's below.
Call before you dig.



ARCHITECT:
CREEKWOOD ARCHITECTURE, INC.
1111 CREEKWOOD TRAIL
BURTON, MI. 48509
TELEPHONE (810) 742-0480
FAX (810) 742-8393
bcalhoun@creekwoodarch.com

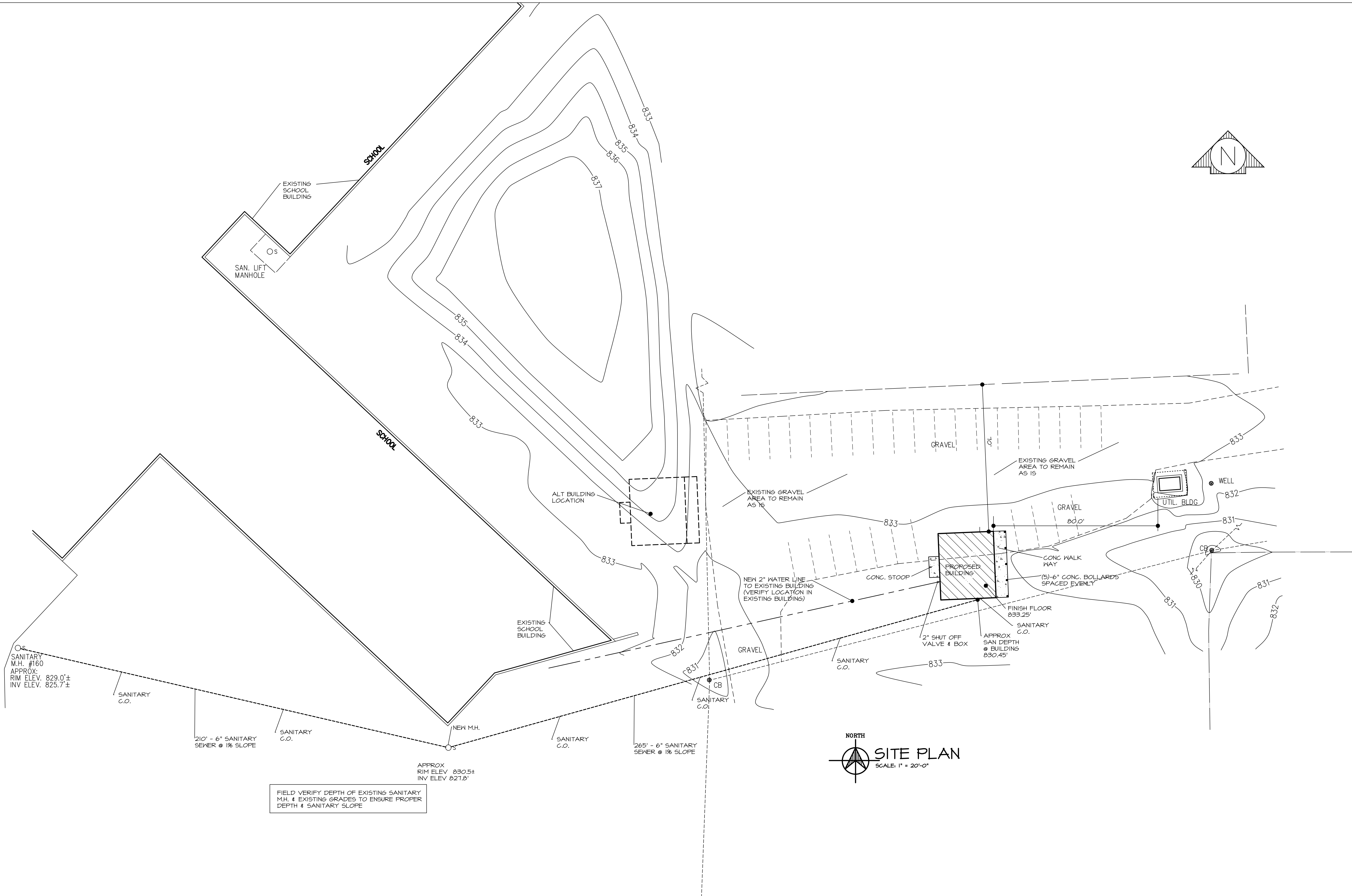
BUILDING CODE:

BUILDING CODE — 2015 MICHIGAN
INTERNATIONAL BLDG. CODE
MECHANICAL CODE — 2015 MICHIGAN MECHANICAL CODE
ELECTRICAL CODE — 2017 NATIONAL ELECTRIC CODE
PLUMBING CODE — 2015 MICHIGAN PLUMBING CODE
BARRIER FREE — 2006 MICHIGAN
BARRIER FREE CODE
& ICC/ANSI
A117.1- 2003

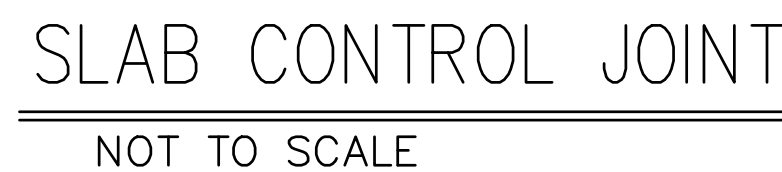
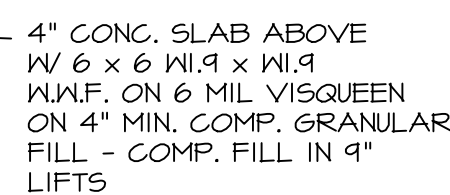
REGISTERED DESIGN PROFESSIONAL
IN RESPONSIBLE CHARGE:
REGISTERED ARCHITECT
JEFFREY J. VANCAMP
LICENSE NO. 1301047808
EXPIRATION DATE 5-21-2024

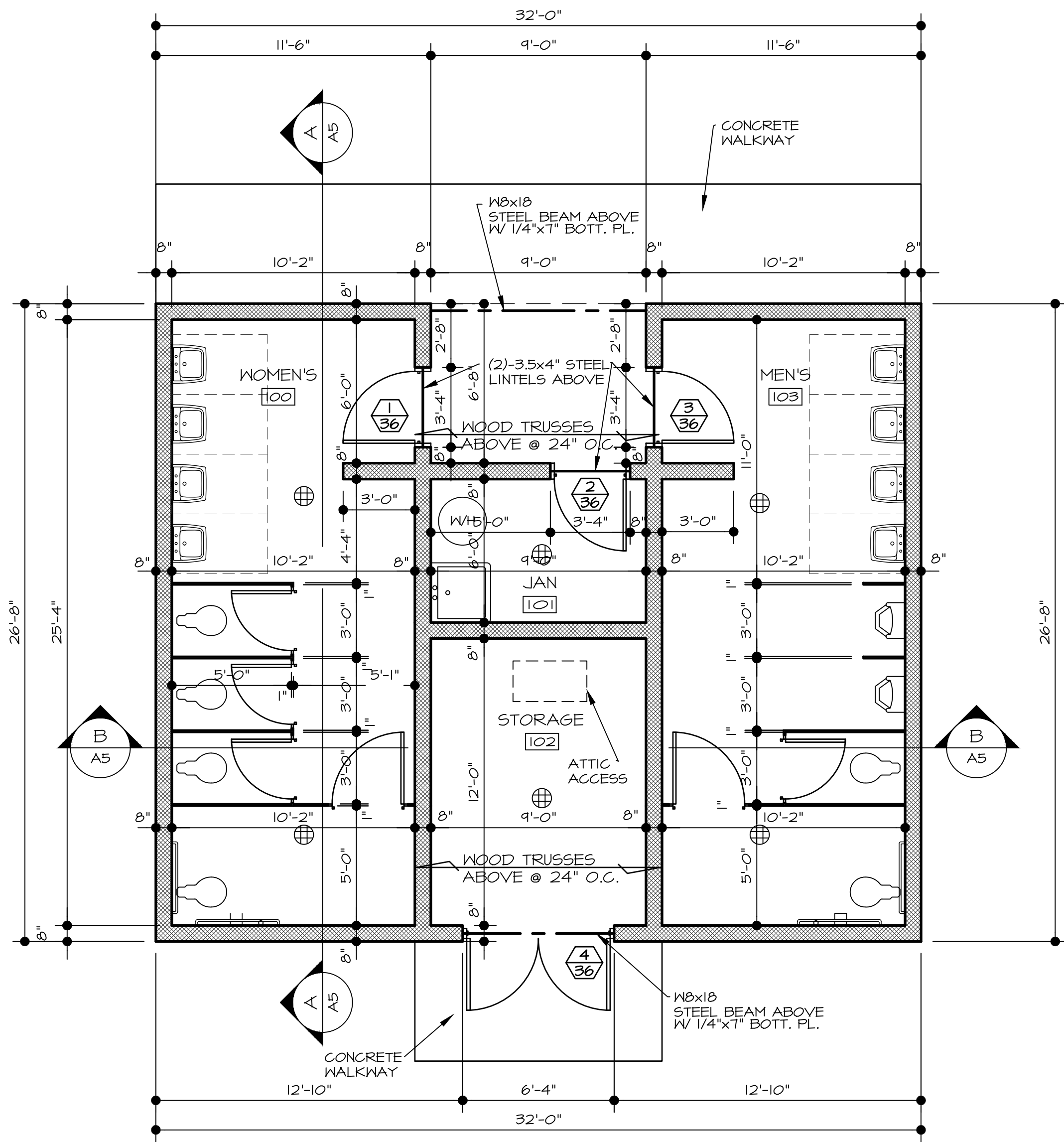


ARCHITECT
JOB NUMBER #23009



PROJECT	NEW TOILET FACILITY for NORTH BRANCH SCHOOLS	6548 BRUSH ST NORTH BRANCH, MI DRAWN BY J.V.C.	CHECKED BY R.A.S.	SHEET NO. C1 OF 1	DATE 15 MAY 23	JOB NO. 23004	SHEET TITLE SITE PLAN	REVISIONS	CREEKWOOD ARCHITECTURE, INC. 1111 s. creekwood burton, michigan 48509 tel. (810) 742-0480 fax (810) 742-8393





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

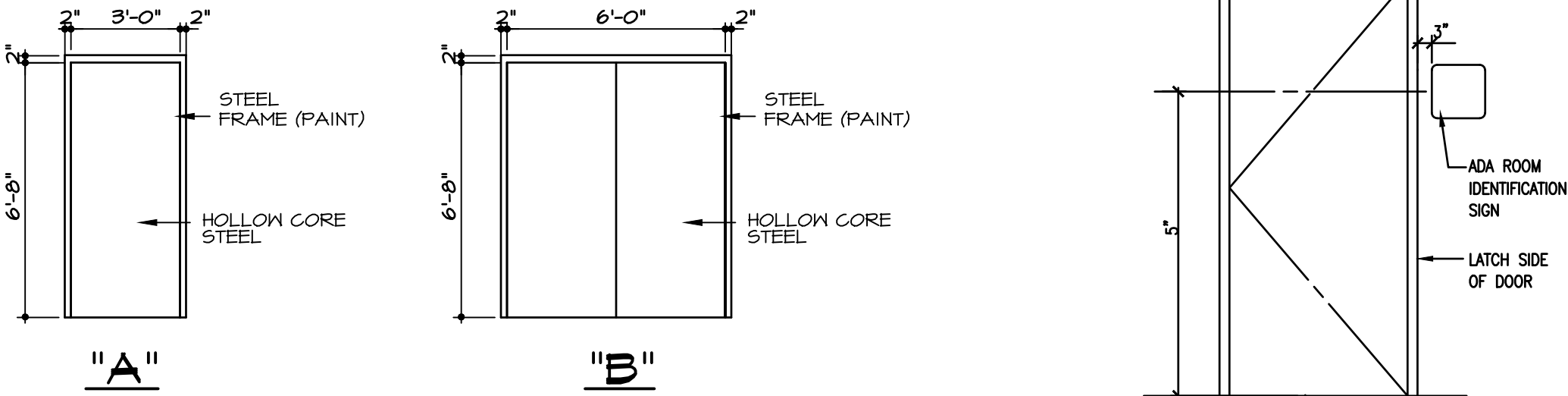
ROOM FINISH SCHEDULE						
RM#	ROOM NAME	FLOOR	BASE	WALLS	CEILING	HEIGHT
100	WOMEN'S TOILETS	CONCRETE	----	UNFIN. BLOCK	PRE-FIN STEEL	8'-4"
101	JANITORS	CONCRETE	----	UNFIN. BLOCK	PRE-FIN STEEL	8'-4"
102	STORAGE	CONCRETE	----	UNFIN. BLOCK	PRE-FIN STEEL	8'-4"
103	MEN'S TOILET	CONCRETE	----	UNFIN. BLOCK	PRE-FIN STEEL	8'-4"

DOOR SCHEDULE									
DR#	DOOR SIZE	TYPE	MATERIAL	FINISH	FRAME	FINISH	HARDWARE	SILL	REMARKS
1	3'-0"x6'-8"x1/3/4"	A	HOLLOW METAL	PAINT	STEEL	PAINT	CEH	ALUM	
2	3'-0"x6'-8"x1/3/4"	A	HOLLOW METAL	PAINT	STEEL	PAINT	CEH	ALUM	
3	3'-0"x6'-8"x1/3/4"	A	HOLLOW METAL	PAINT	STEEL	PAINT	CEH	ALUM	
4	6'-0"x6'-8"x1/3/4"	B	HOLLOW METAL	PAINT	STEEL	PAINT	CEH	ALUM	

- GENERAL NOTES:
- DOOR HANDLES, PULLS, LATCHES, LOCKS, OR ANY OTHER OPERABLE PART OF AN ACCESSIBLE DOOR SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH (1) HAND, AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE.
 - PERMANENT SIGNAGE USED TO IDENTIFY ROOMS AND SPACES SHALL INCLUDE TACTILE CHARACTERS AND BRAILLE, TO MOUNTED ADJACENT TO THE DOOR.
 - ALL ACCESSIBLE TOILET ROOMS SHALL BE IDENTIFIED WITH A SYMBOL OF COMPLIANCE AND A TACTILE ROOM IDENTIFICATION SIGN. THE SYMBOL OF COMPLIANCE SHALL BE PLACED ON THE DOOR OR ON A WALL ADJACENT TO THE DOOR, AT A HEIGHT OF 60" TO 46". THE TACTILE ROOM IDENTIFICATION SIGN SHALL BE PLACED ADJACENT TO THE LATCH SIDE OF THE DOOR, CENTERED AT A 60" HEIGHT FORM THE FINISHED FLOOR.

- NOTES:
- ALL DOORS TO BE OPENABLE FROM INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE
 - VERIFY ALL HARDWARE W/ OWNER

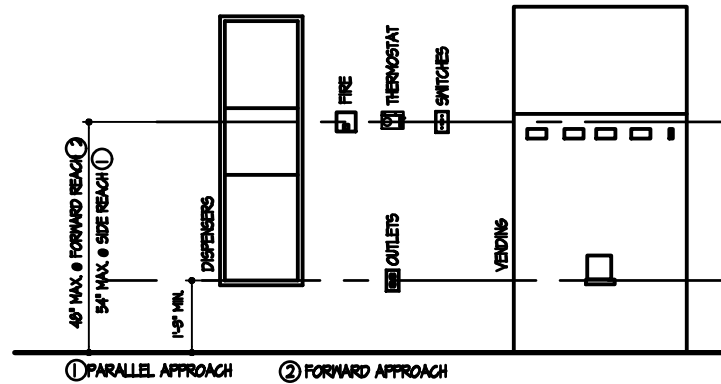
- HARDWARE
- A PANIC HARDWARE
 - B PUSH PULL
 - C LOCK SET
 - D PASSAGE SET
 - E CLOSER
 - F LOCK
 - G PRIVACY LOCK
 - H KICK PL'S
 - I DOOR STOP
 - J DROP DOWN THOLD SEAL
 - K CHAIN PULL/ FUSIBLE LINK
 - L ELECTRIC DOOR OPENER



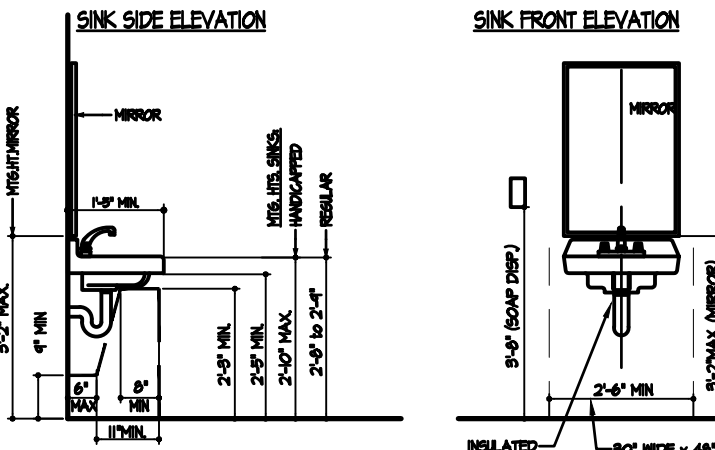
- ADA SIGN
- MEN
 - WOMEN

BARRIER FREE REQUIREMENTS - TYP.

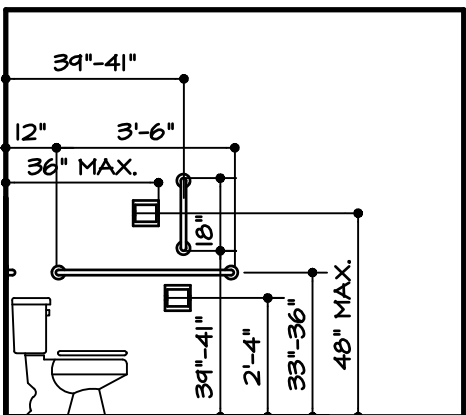
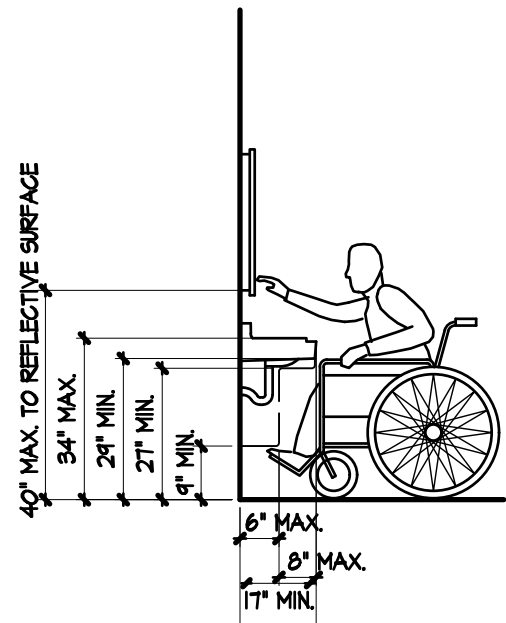
ALL TOILET ROOMS SHALL MEET THE EXAMPLE GUIDELINES AS SHOWN BELOW



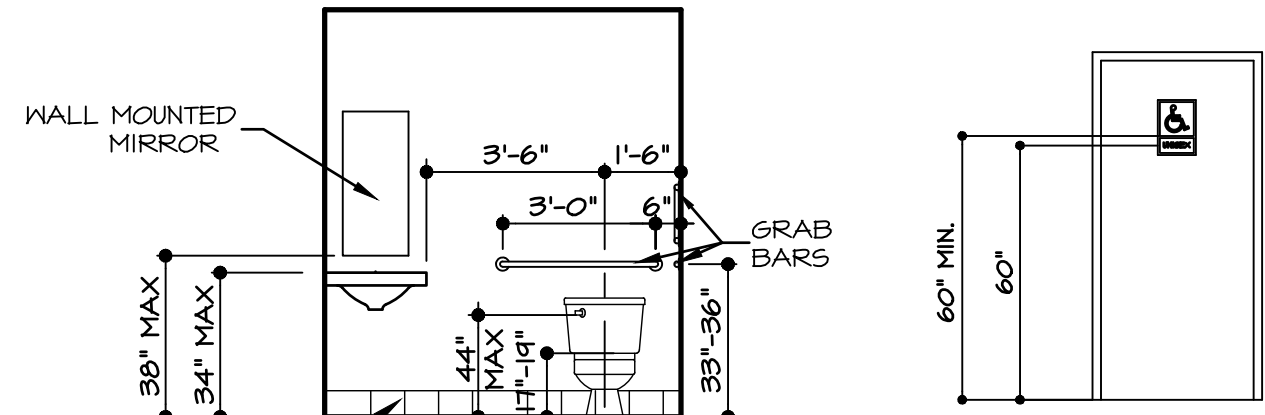
MISC. DEVICES - MOUNTING HEIGHT



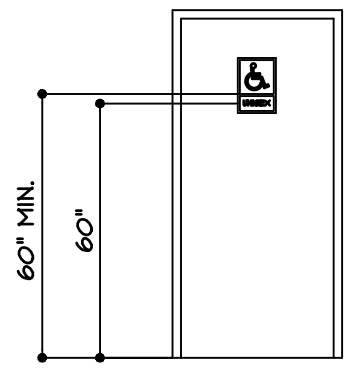
SINK - MOUNTING HEIGHT



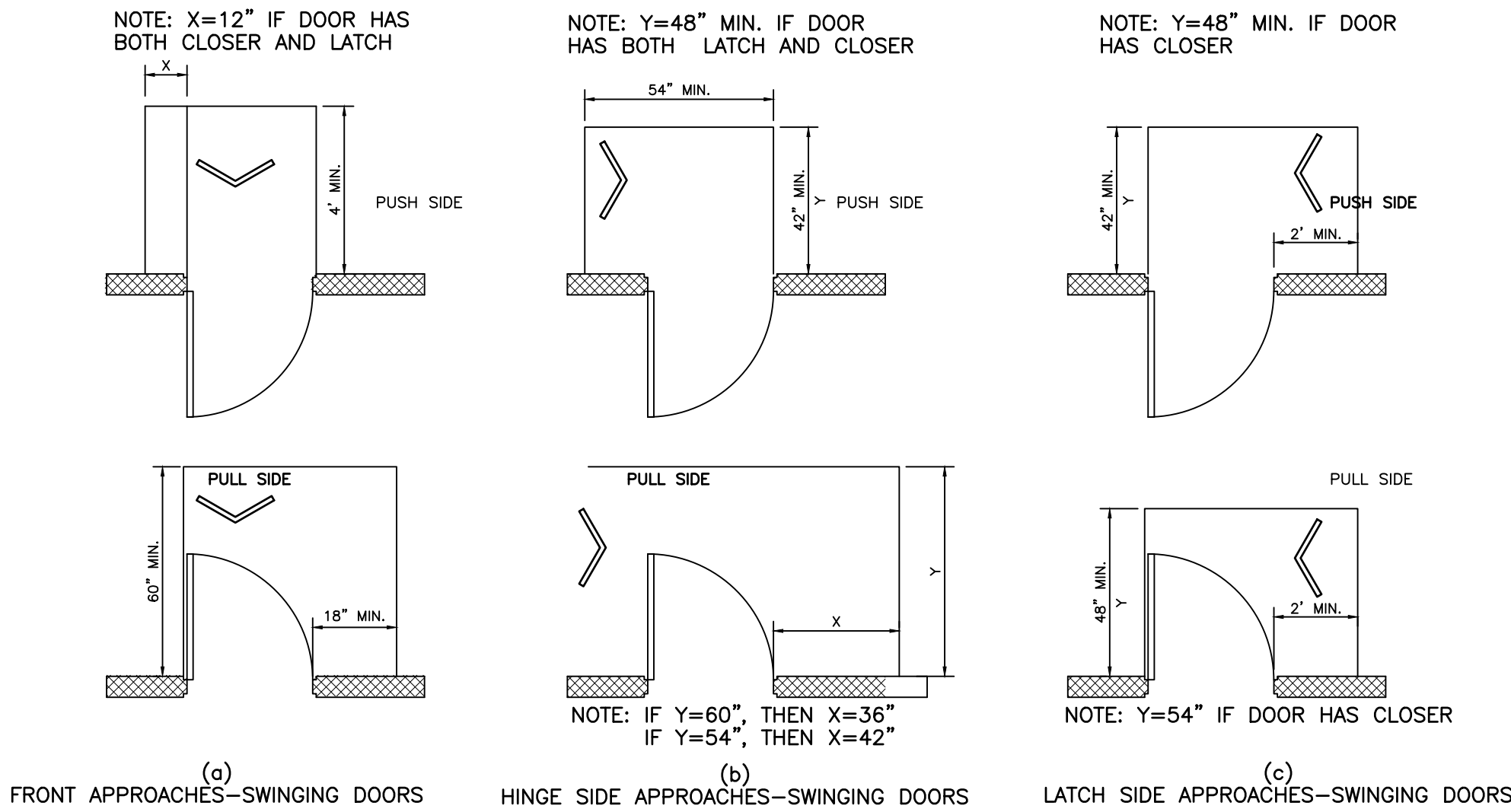
WATER CLOSET
SIDE ELEVATION



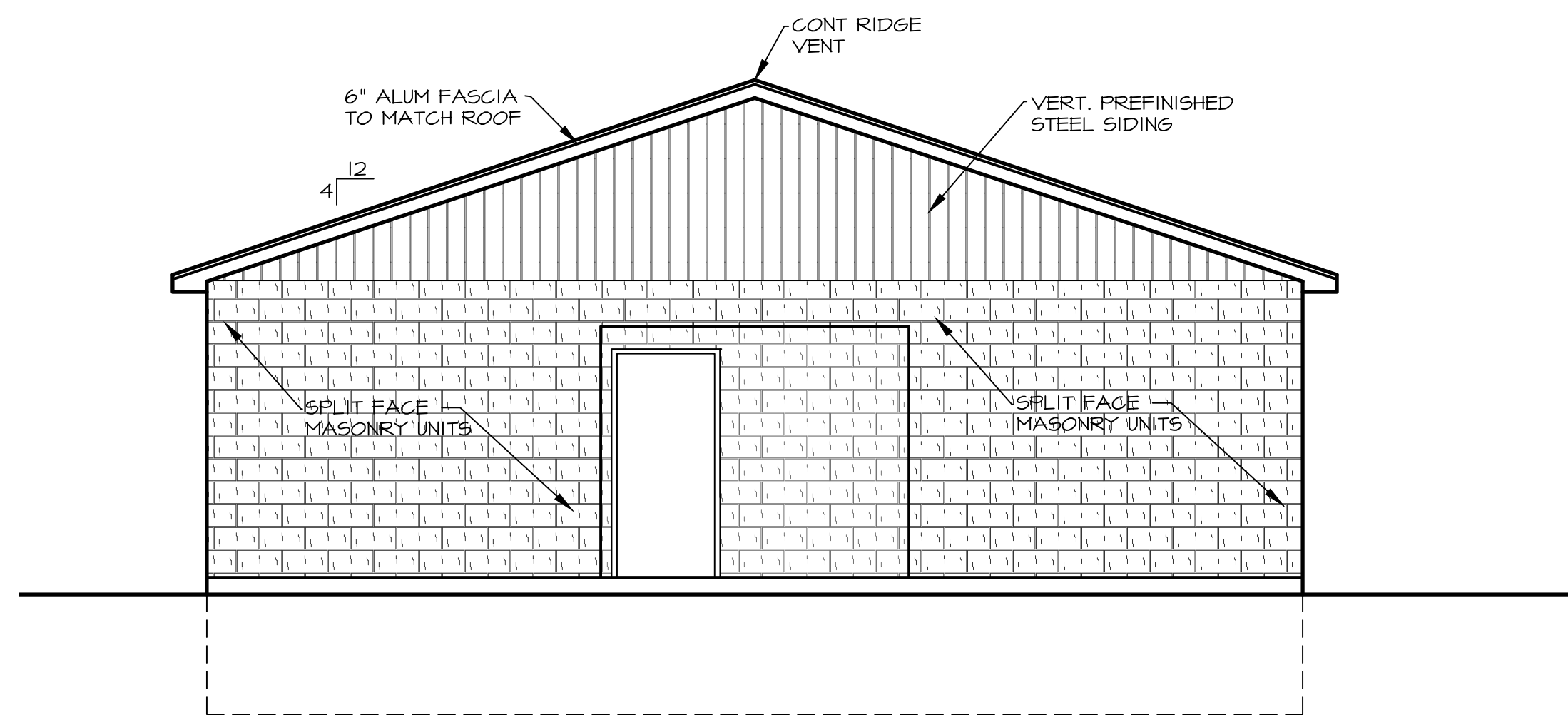
WATER CLOSET & LAVATORY



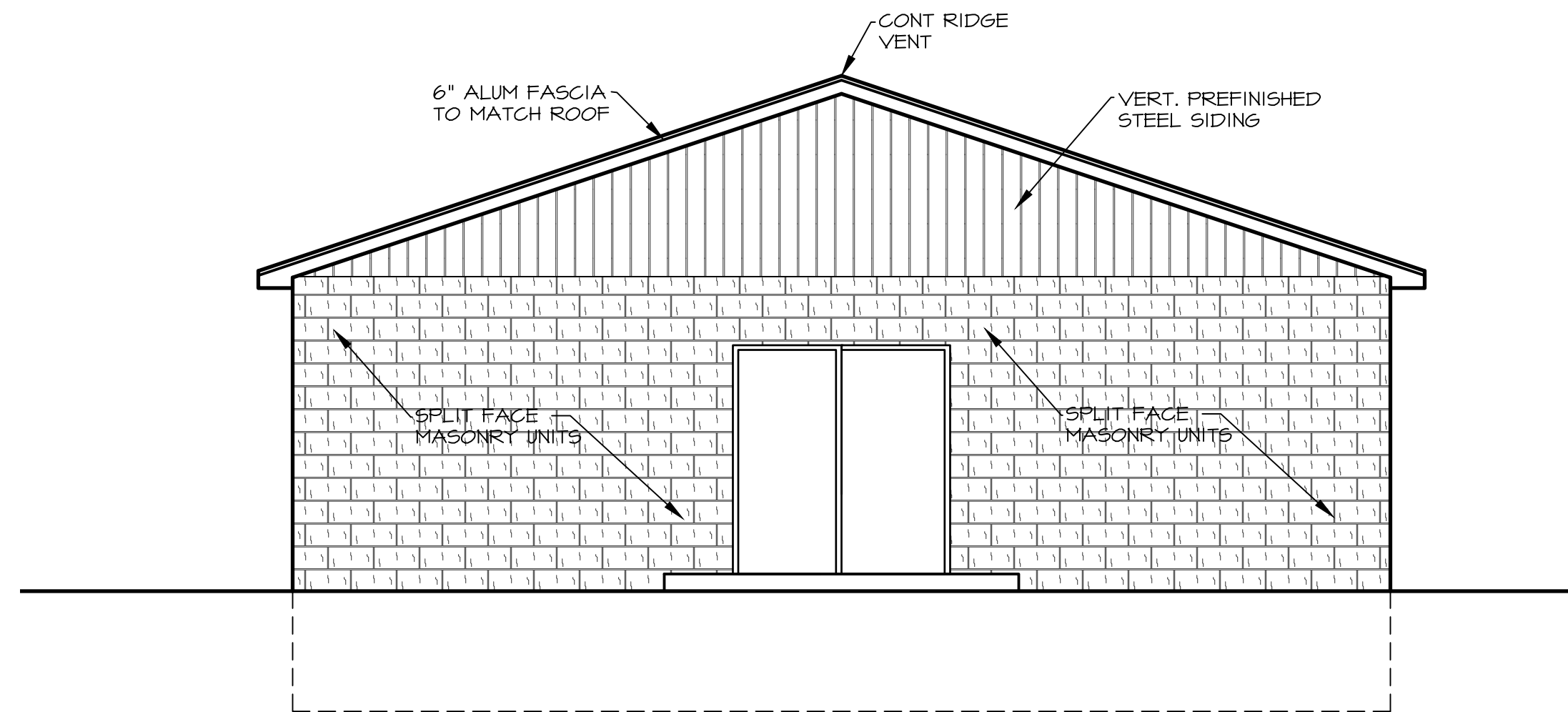
TOILET ROOM
DOOR SIGNAGE



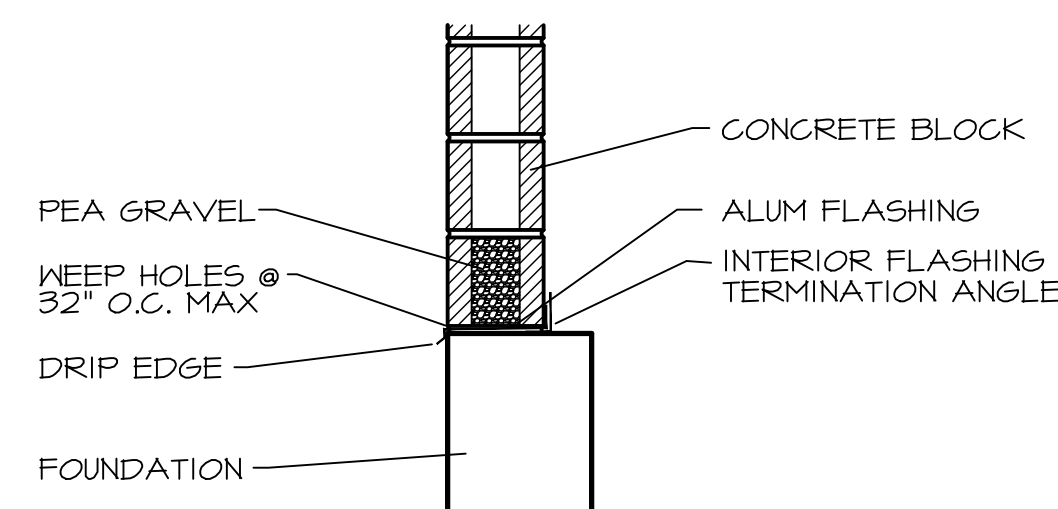
MANEUVERING CLEARANCES AT SWINGING DOORS



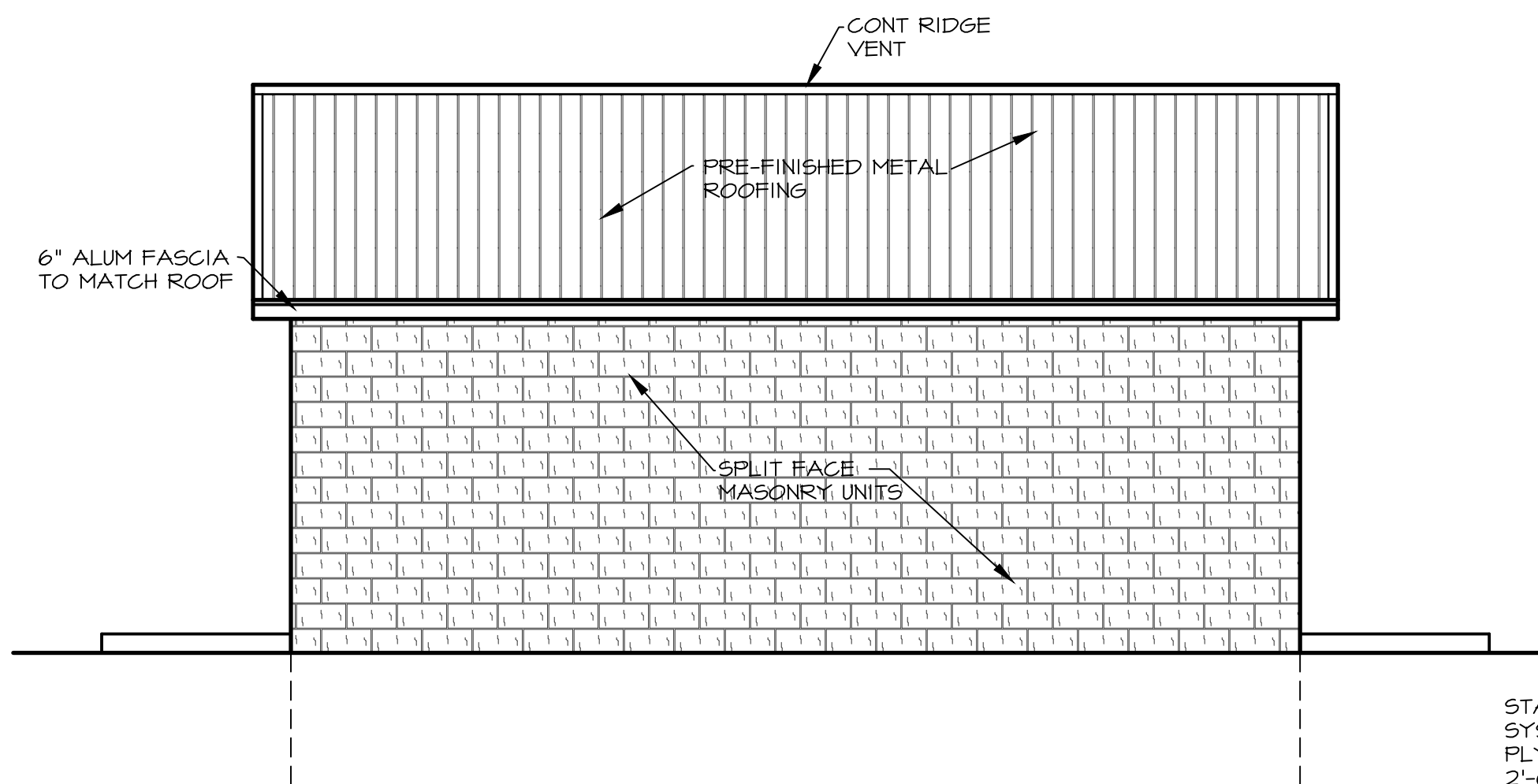
EAST ELEVATION
SCALE: 1/4" = 1'-0"



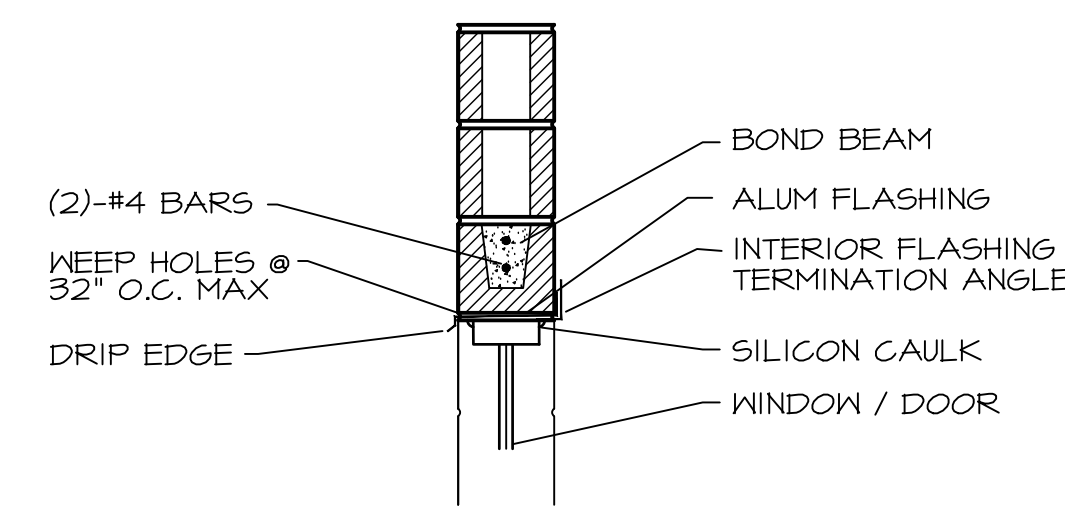
WEST ELEVATION
SCALE: 1/4" = 1'-0"



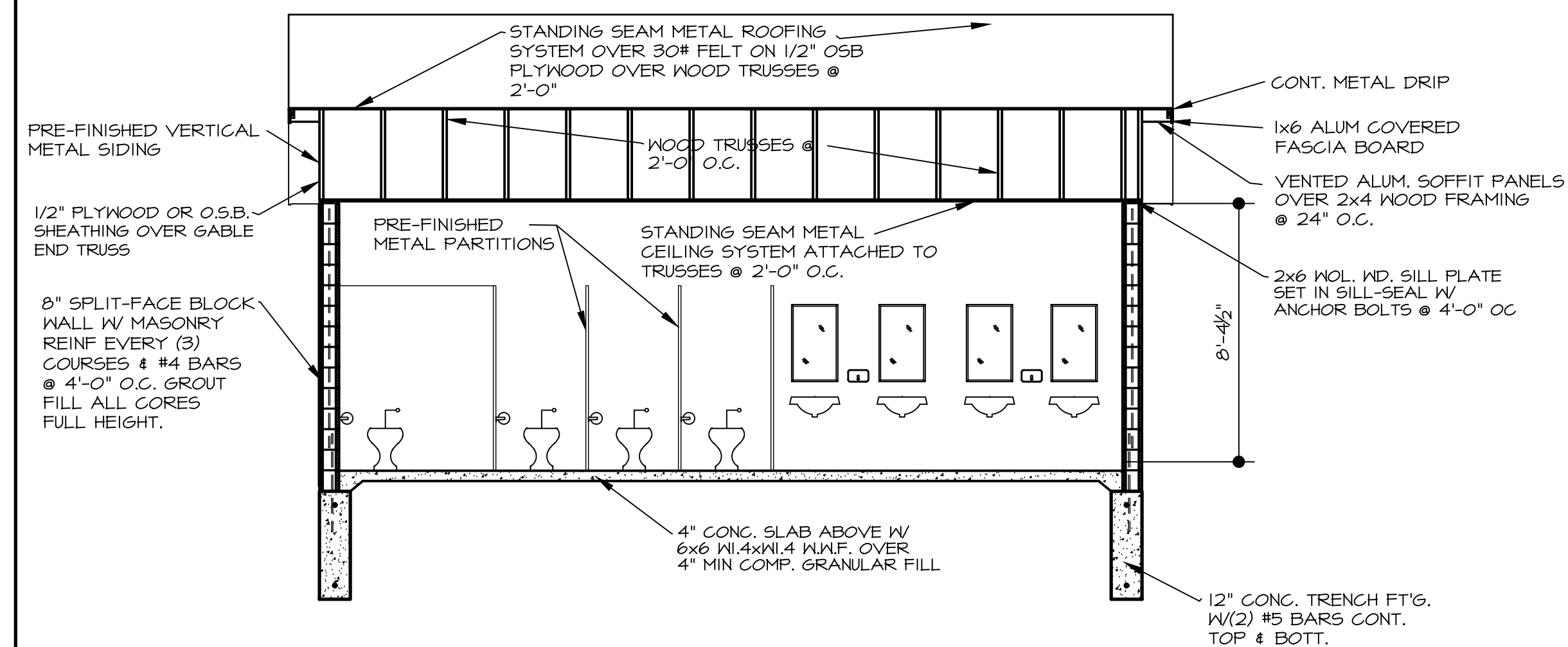
TYPICAL MASONRY FLASHING @ BASE
NOT TO SCALE



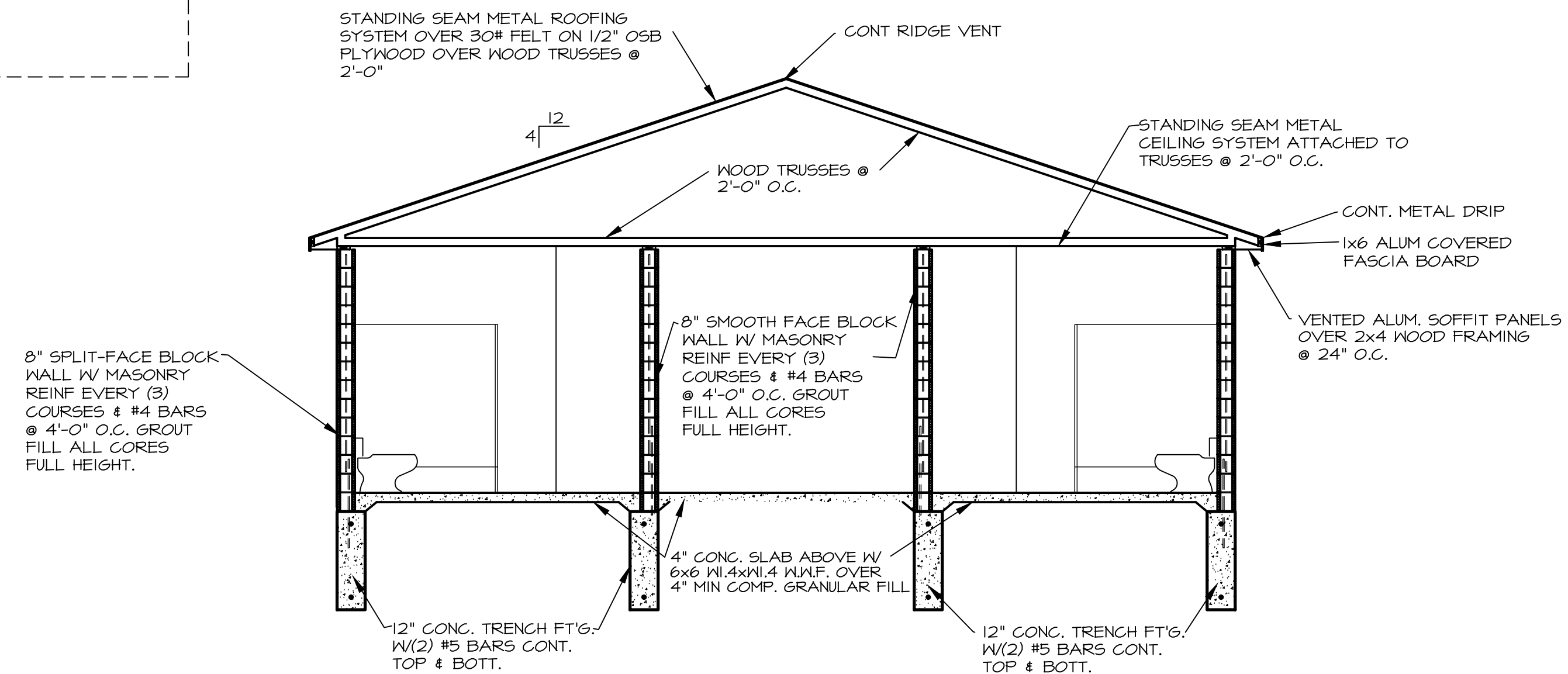
SOUTH ELEVATION / NORTH ELEVATION
SCALE: 1/4" = 1'-0"



TYPICAL MASONRY FLASHING WINDOW / DOOR
NOT TO SCALE



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



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

REVISIONS	
CREEKWOOD ARCHITECTURE, INC.	
11111 s. creekwood	burton, michigan 48509
tel. (810) 742-0480	fax (810) 742-8393
SHEET TITLE EXTERIOR ELEVATIONS	
PROJECT NEW TOILET FACILITY for NORTH BRANCH SCHOOLS	
6540 BRUSH ST NORTH BRANCH, MI	CHECKED BY: J.V.C.
JOB NO: 23004	
DATE: 15 MAY 23	
SHEET NO.	
A3 OF 3	

EXHAUST FANS:
BROAN 200CFM

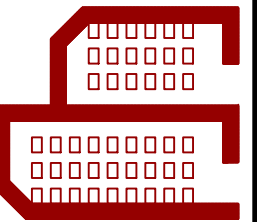
2x2 CEILING INTAKE

ALL NECESSARY PERMITS MUST BE ACQUIRED AND COMPLETED WITH REQUIRED FINAL APPROVAL DOCUMENTATION BEING PRESENTED TO AGENCIES. ALL CONTRACTOR



1.	DUCTWORK LAYOUT SHOWN IS A SCHEMATIC LAYOUT AND IS FOR DIAGRAMMATICAL PURPOSES ONLY AND IS TO BE USED AS A GUIDE — MECHANICAL CONTRACTOR IS RESPONSIBLE TO FIELD VISIT SITE AND COORDINATE EXISTING UTILITY (ELECTRICAL CONDUITS, GAS, WATER LINES, STORM DRAIN LINES, & SPRINKLER LINES) LOCATIONS IN THE SPACE AS WELL AS COORDINATE WITH OTHER TRADES TO MAKE ALL SYSTEMS FIT IN SPACE ALLOWED.	10.	PROVIDE FLEXIBLE CONNECTION AT EACH MOTORIZED PLACE OF EQUIPMENT.
2.	ALL WORK IS TO CONFORM TO STATE AND LOCAL CODES.	11.	COORDINATE THERMOSTAT / REMOTE SENSOR LOCATIONS WITH OWNER.
3.	ALL MECHANICAL WORK TO BE INSTALLED BY A STATE LICENCED MECHANICAL CONTRACTOR.	12.	NO DUCTWORK TO BE ROUTED OVER ELECTRICAL PANELS.
4.	LINE 10 FEET OF RECTANGULAR RETURN & SUPPLY DUCTS FROM AIR HANDLING UNITS (AHU's) WITH WITH 1" ACOUSTICAL LINING.	13.	ALL CONCEALED SUPPLY, RETURN, AND OUTDOOR AIR INTAKE DUCTS SHALL BE COVERED WITH 1/2" FIBERGLASS "DUCTWRAP" WITH FOIL OR VINYL VAPOR BARRIER, SEAMS AND JOINTS TAPLED AND TAPED.
5.	ALL DUCT DIMENSIONS ARE CLEAR, INSIDE NET SIZES.	14.	PROVIDE AUXILIARY DRAIN PAN UNDER AIR HANDLING UNIT (AHU) #1 & #2.
6.	ALL HEATING, COOLING DUCTS TO BE GALVANIZED SHEET METAL, BRANCH DUCT CONNECTION TO DIFFUSERS CAN BE INSULATED FLEXIBLE DUCT, NOT TO EXCEED 6 FEET. WEATHER PROOF ALL DUCTS LOCATED OUTDOORS.	15.	TERMINATE EXHAUST AND OUTDOOR AIR DUCTS THROUGH OVERHANG SOFFITS.
7.	INSTALL MANUAL BALANCE DAMPER AT EACH BRANCH DUCT.	16.	FANS TO RUN CONTINUOUSLY AND MOTORIZED OUTDOOR AIR DAMPERS TO BE OPEN WHILE BUILDING IS OCCUPIED.
		17.	EACH AIR HANDLING UNIT (AHU) TO BE CONTROLLED BY A 7 DAY PROGRAMMABLE THERMOSTAT.
		18.	PROVIDE VIBRATION ISOLATION WHEN INSTALLING AIR HANDLING UNITS (AHU's).
		19.	PROVIDE A DUCT SMOKE DETECTOR IN RETURN AIR OF EACH AIR HANDLING UNIT (AHU) TO SHUT DOWN FAN UPON ALARM ACTIVATION.
		20.	OUTDOOR AIR INTAKE DUCTS TO HAVE MOTORIZED OPERATED DAMPERS (M.O.D)

CREEKWOOD ARCHITECTURE, INC.
11111 s. creekwood burton, michigan 48509
tel. (810) 742-0480 fax (810) 742-8393



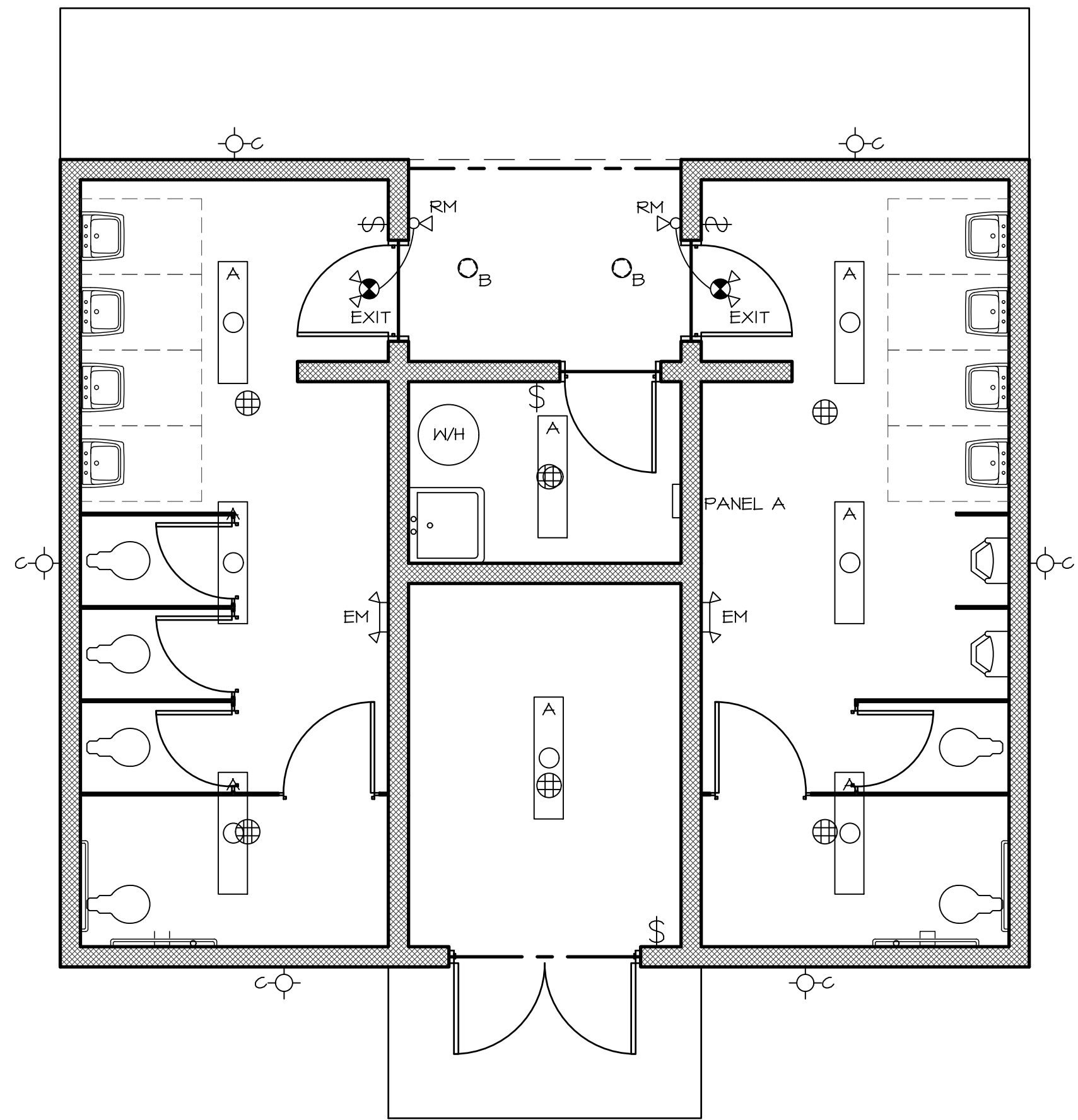
MECHANICAL PLAN

PROJECT: **NEW TOILET FACILITY for
NORTH BRANCH SCHOOLS**

6540 BRUSH ST	NORTH BRANCH, MI
DRAWN BY: J.V.C.	CHECKED BY: R.A.S.

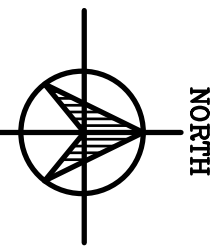
DATE 15 MAY 23

M1
OF 1



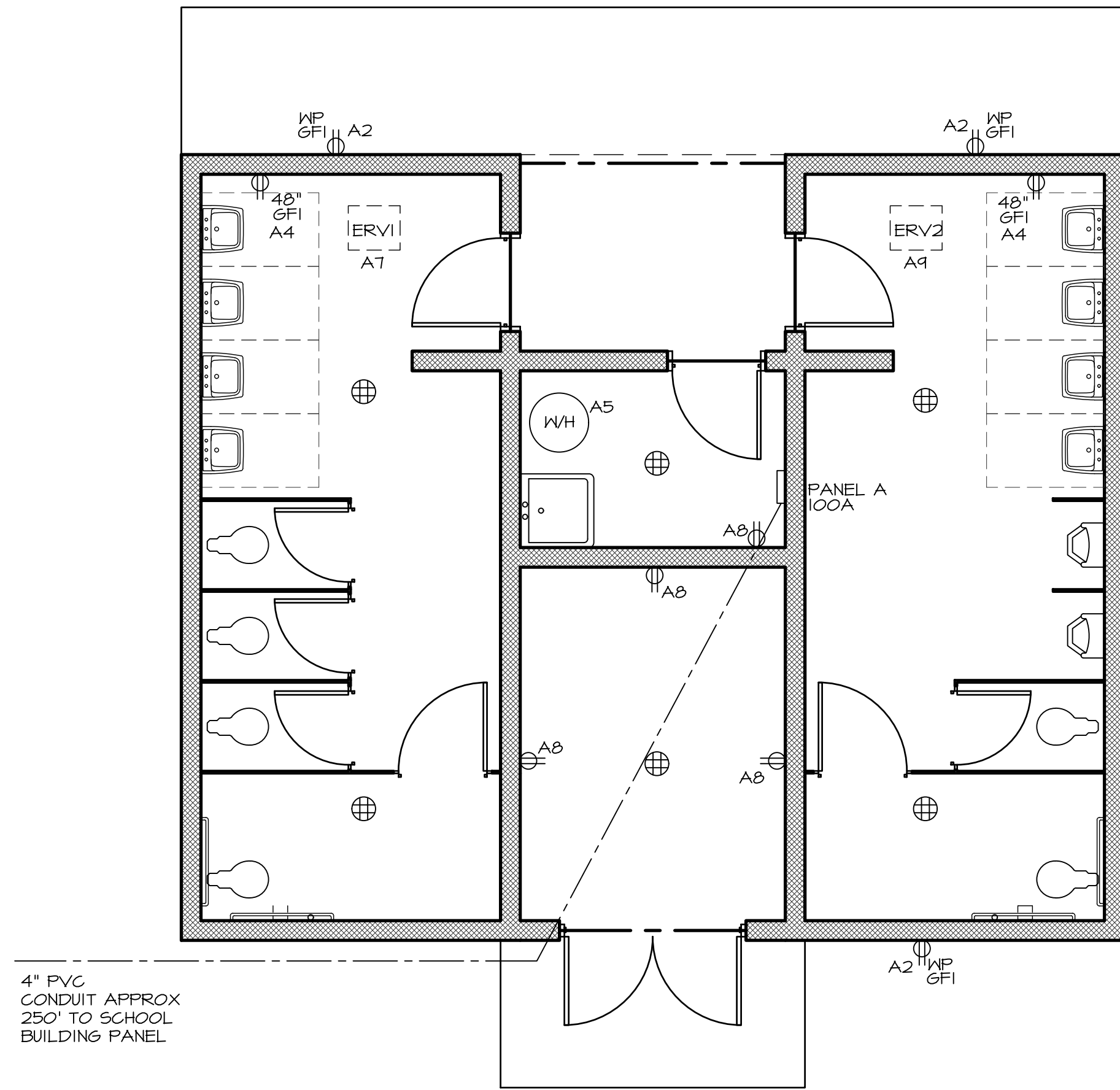
LIGHTING PLAN

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



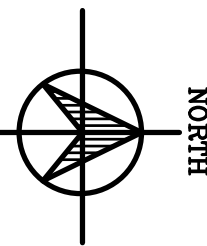
NOTE:

- 1) GROUND FAULT CIRCUIT INTERRUPTERS SHALL BE INSTALLED AT EACH COUNTERTOP IN WHICH A SINK IS INSTALLED WITH-IN 6', AT EACH LOCATION WITH A BARE (NOT COVERED BY TILE OR CARPET) FLOOR, POSSIBLE WET LOCATIONS AND AT ALL OUTDOOR LOCATIONS.
- 2) ALL DISCONNECTING MEANS SHALL MEET MANUFACTURES REQUIREMENTS, 2011 ELECTRICAL CODE REQUIREMENTS AND/OR LOCAL ELECTRICAL CODES.
- 3) ALL CONDUIT, CONDUIT FILL, INSTALLATION AND WIRE SIZES TO BE DETERMINED BY CONTRACTOR ACCORDING TO 2011 ELECTRICAL CODE AND OR LOCAL ELECTRICAL CODES.
- 4) ALL CONDUITS RAN UNDERGROUND TO BE MIN. SCH. 40 PVC & TO HAVE PROPER FITTING. ALL CONDUIT RAN ABOVE GRADE TO BE STEEL & ALL CONDUITS & FITTINGS TO MEET LOCAL & STATE CODES.
- 5) ELECTRICAL CONTRACTOR TO VERIFY THAT ALL WIRE SIZING TO MEET LOCAL AND STATE CODES.



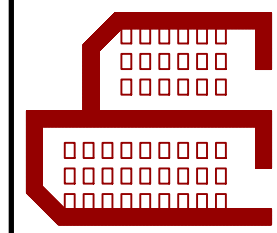
ELECTRICAL PLAN

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



FIXTURE SCHEDULE

- A -- HE WILLIAMS -- AVI-LVFA-PIR-ELB WITH BUILT-IN OCCUPANCY SENSOR
A1 -- SAME AS ABOVE BUT WITHOUT BUILT IN SENSOR
B -- DMF LIGHTING -- DRD5S8R15935 8" SURFACE MOUNT
C -- HE WILLIAMS WPAS-L34/850-BZ-SF-PC--UNV -- BUILT IN PHOTOCELL
EXIT -- LSLEDXCU-RED LIFE SAFETY LIGHTING
EM -- LSEM -- LIFE SAFETY LIGHTING
RE -- LSRHLED LIFE SAFETY LIGHTING



Report Date: 12:00:00 AM

PANEL: PANEL A

Occupancy Type: SCHOOL
Panel Location: BATH HOUSE
Fed From: SCHOOL
Brand:
Model #:
Breaker Style: Breaker
Main Type: Breaker
Main Breaker Amps:
Panel AIC Rating: 10KAIC
Panel Bus Amps: 100
Panel AIC Rating: 10KAIC
Feeder OCP: Inverse time breaker
Feeder OCP Amps: 100
System Rating: 240/120v Single Phase 3 Wire
Panel Poles: 20

Panel: PANEL A
Location: BATH HOUSE
Feeder OCP: Inverse time breaker
System: 240/120v Single Phase 3 Wire
Panel Brand: Model:
Panel Poles: 20
Fed From: SCHOOL
Main Type: Breaker
Panel AIC (Amps): 10KAIC
Occupancy: SCHOOL
Breaker:
Panel Bus Amps: 100

LOAD DETAIL (VA Without Demand Factoring)				
Cct	Description	Load Type	Phase A	Phase B
1	INTERIOR LIGHTING	General Lighting	620	
3	EXTERIOR LIGHTING	General Lighting		204
5	HOT WATER TANK	Other @ 100%	1600	
7	ERV-1	Electric Heat		168
9	ERV-2	Electric Heat	168	
2	EXTERIOR RECEPTACLES	Gen. Receptacle	540	
4	RESTROOM RECEPTACLES	Gen. Receptacle		360
8	MECH RM/STOR RECEPTACLES	Gen. Receptacle		720

Total VA per phase without demand factoring : 2928 1452

Total amperes per phase without demand factoring : 24 12

Report Date: 12:00:00 AM

PANEL LOAD CALCULATION: PANEL A

GENERAL LIGHTING LOAD: (NEC 220.42)
Total Continuous Connected Load: 0.0
25% of Continuous Connected Load: 0.0
Total Non-Continuous Connected Load: 824.0
Total Connected Load: 824.0
Total VA @ 100%: 824.0
General Lighting Demand Load: 824.0

GENERAL RECEPTACLE LOAD: (NEC 220.44)
Total Connected Load: 1,620.0
First 10,000 or less @ 100%: 1,620.0
Remainder over 10,000 @ 50%: 0.0
General Receptacle Demand Load: 1,620.0

CONTINUOUS LIGHTING LOAD: (NEC 215.2)
Total Connected Load: 0.0
25% of Continuous Connected Load: 0.0
Total VA @ 125%: 0.0
Continuous Lighting Demand Load: 0.0

HEATING AND COOLING LOAD: (NEC 220.60)
Heating Load: 336.0
Cooling Load: 0.0
Larger of Heating or Cooling Load: 336.0

DRYER LOAD: (NEC 220.54)
Total Connected Load: 0.0
Quantity of Dryers: 0
Demand Factor Percent Multiplier: (0%) 0.00
Dryer Demand Load: 0.0

KITCHEN EQUIPMENT LOAD: (NEC 220.56)
Total Connected Load: 0.0
Quantity of Equipment Units: 0
Demand Factor Percent Multiplier: (100%) 1.0
Kitchen Equipment Demand Load: 0.0

OTHER LOADS @ 100% DEMAND: (NEC 220.14)
Total connected Load: 1,600.0
Other Loads @ 100% Demand Load: 1,600.0

OTHER LOADS @ 125% DEMAND: (NEC 215.2)
Total Connected Load: 0.0
Plus 25% of Total Connected Load: 0.0
Other Loads @ 125% Demand Load: 0.0

MOTOR LOAD: (NEC 220.14)
Total Connected Load: 0.0
Motor Demand Load: 0.0

25% OF LARGEST MOTOR LOAD: (NEC 430.24)
Largest Motor: 0.0
Demand Factor Percent Multiplier (25%) 0.25
25% of Largest Motor Demand Factor 0.0

TOTAL DEMAND LOAD VA: 4,380.0
TOTAL DEMAND LOAD AMP: 18.3

NEUTRAL LOAD: (NEC 220.61)
General Lighting: 0.0
General Receptacle: 0.0
Continuous Lighting: 0.0
Heating/Cooling: 0.0
Dryer: 0.0
Cooking Equipment: 0.0
Other Loads @ 100% Demand: 0.0
Other Loads @ 125% Demand: 0.0
Dwelling Unit Appliances: 0.0
Motor Load: 0.0
25% of Largest Motor: 0.0

CONNECTED LOAD PER PHASE:
(Before Demand Factoring):
Phase A: 2,928.0 VA
Phase B: 1,452.0 VA
Total Connected Load Va: 4,380.0 VA
Total Connected Load Amp: 18.3 VA

Neutral Demand Load VA: 0.0
Neutral Demand Load Amp: 0.0

Report Date: 12:00:00 AM

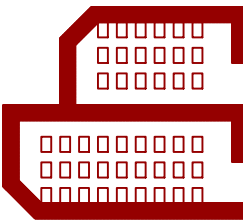
PANEL A Fed From: SCHOOL Rating: 240/120v Single Phase 3 wire Amps: 100 Panel Short Circuit Amps Rating: 10KAIC					
1	INTERIOR LIGHTING	20	20	EXTERIOR RECEPTACLES	2
3	EXTERIOR LIGHTING	20	20	RESTROOM RECEPTACLES	4
5	HOT WATER TANK	20	20		6
7	ERV-1	20	20	MECH RM/STOR RECEPTACLES	8
9	ERV-2	20			10
11					12
13					14
15					16
17					18
19					20

REVISIONS

CREEKWOOD ARCHITECTURE, INC.

1111 s. creekwood
burton, michigan 48509

tel. (810) 742-0480 fax (810) 742-8393



SHEET TITLE
LOAD CALCS
PANEL SCHEDULE

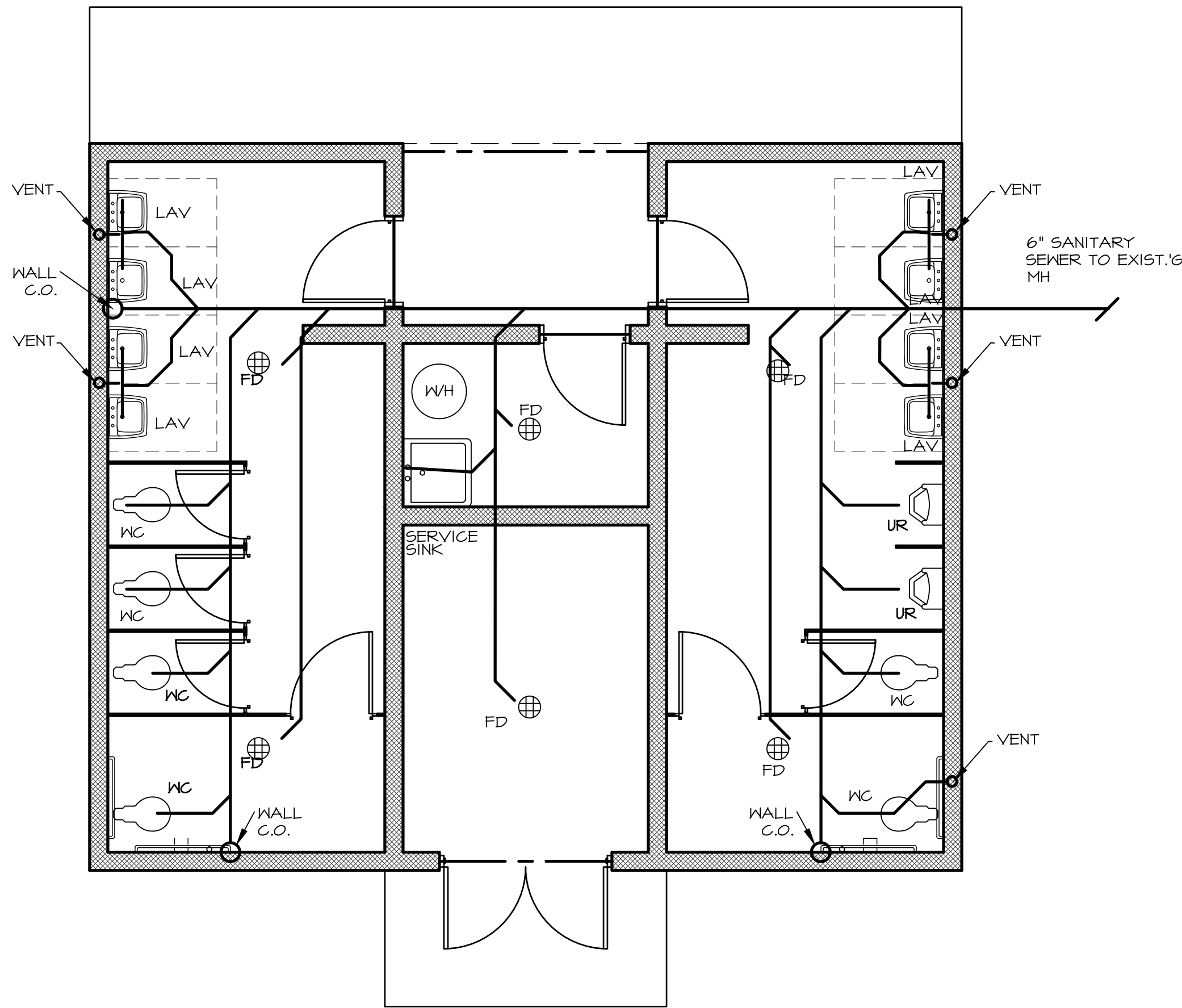
PROJECT
NEW TOILET FACILITY for
NORTH BRANCH SCHOOLS
6548 BRUSH ST
DRAWN BY J.Y.C. NORTH BRANCH MI

JOB NO. 230004

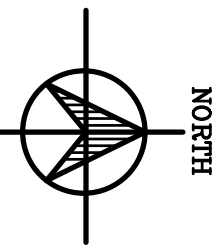
DATE 15 MAY 23

SHEET NO.

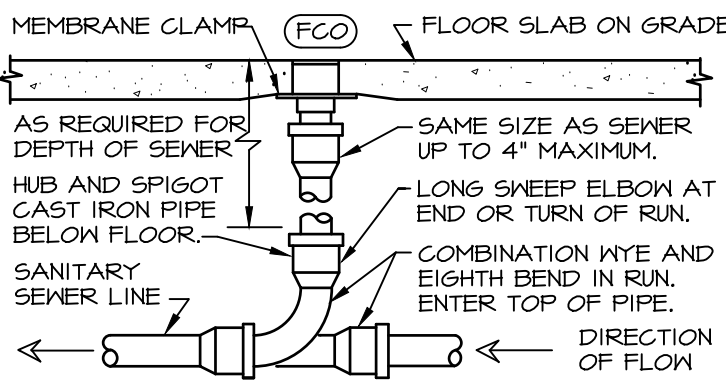
2
OF 2



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

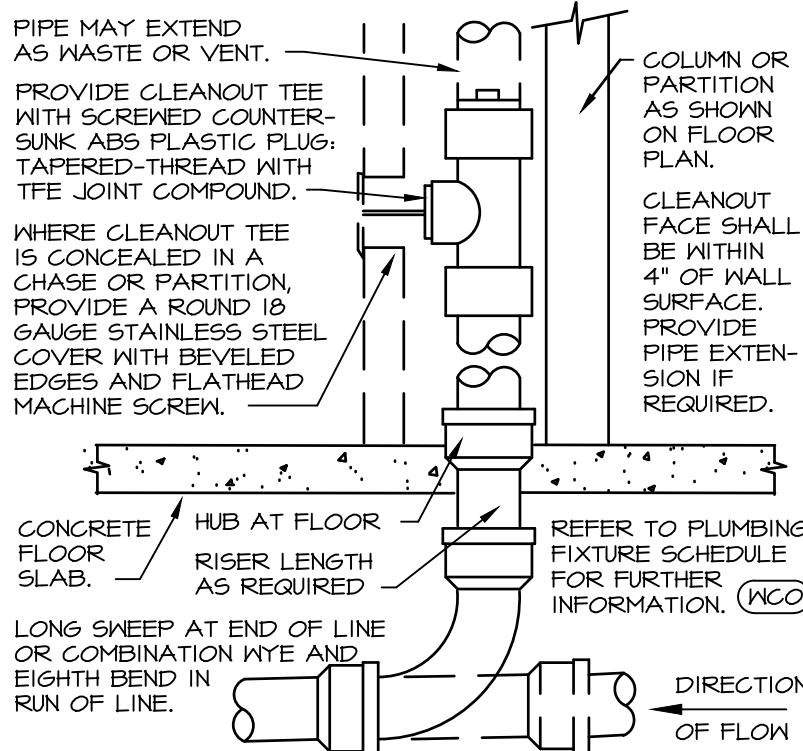


ROUND SECURED GASKETED NICKEL BRONZE ADJUSTABLE TOP WITH "CO" CAST IN COVER. PROVIDE CLEANOUT TOP WITH VARIATIONS SUITABLE FOR FLOOR COVERING (CARPET MARKER, RECESSED FOR TILE, SCORIALIZED FOR UNFINISHED FLOORS). PROVIDE GASKETED PLASTIC PLUG IN CAST IRON BODY. USE TEFLON JOINT COMPOUND ON PLUG THREADS. CLEAN THE TOP OF EXPOSED FCO AFTER INSTALLATION.



LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 45 DEGREES, AT 50' INTERVALS ON STRAIGHT RUNS, AND/OR WHERE SHOWN ON PLANS. PROVIDE BACKFILL PER ARCHITECTURAL SPECIFICATIONS. LOCATE CLEANOUTS WHERE THERE IS 18" CLEAR AROUND. CONSULT LOCAL CODES FOR OTHER FCO REQUIREMENTS.

FLOOR CLEANOUT
NOT TO SCALE



PROVIDE WCO WHERE SHOWN ON PLAN, AND ON SANITARY WASTE BRANCHES NOT SERVED WITH A FLOOR CLEANOUT. LOCATE ABOVE FIXTURE FLOOR RIM WITHIN 4" OF FLOOR. CONSULT LOCAL CODES FOR OTHER WCO REQUIREMENTS.

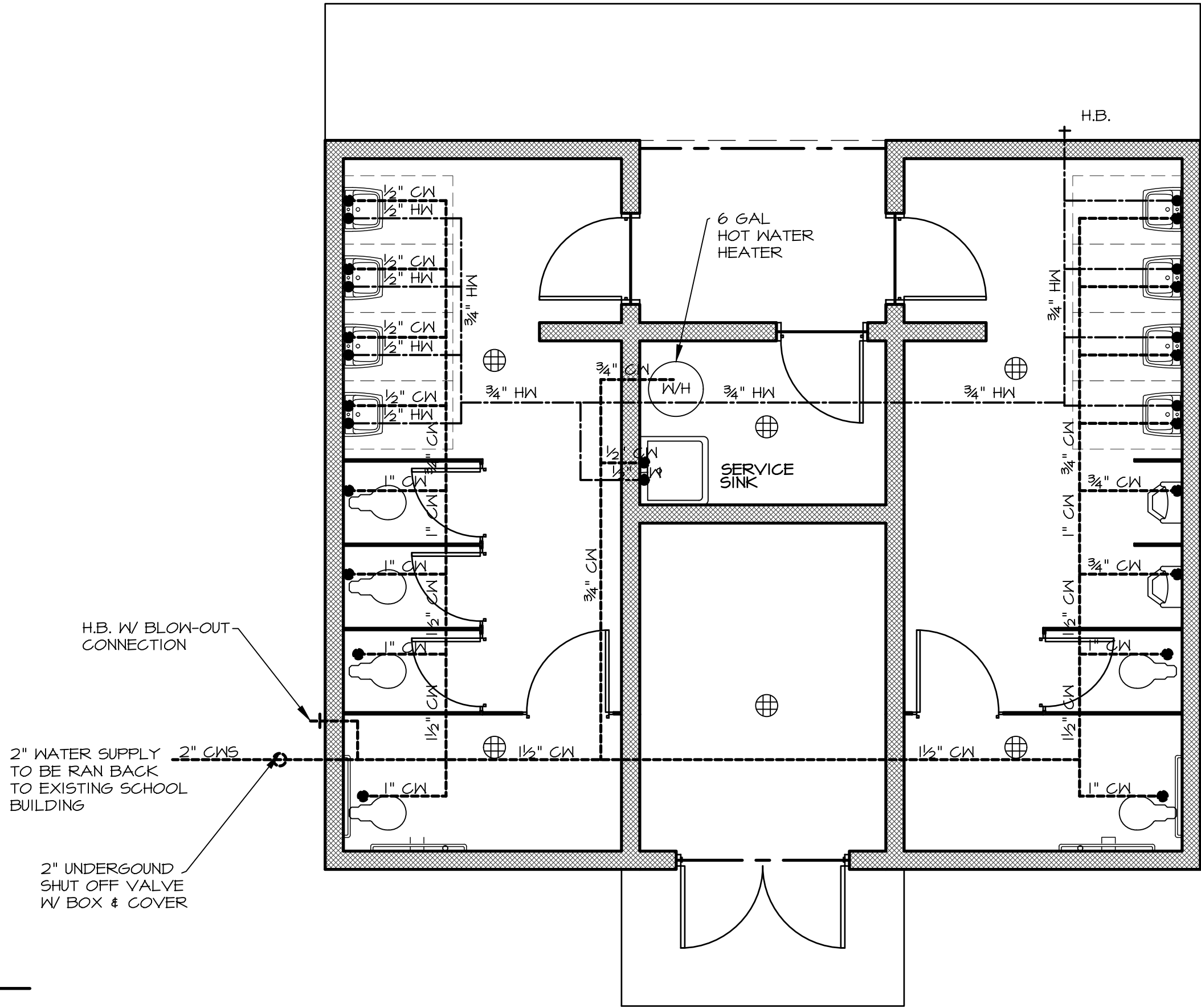
WALL CLEANOUT
NOT TO SCALE

LEGEND

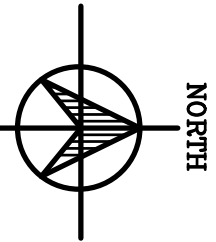
- FLOOR DRAIN ———— WASTE 5x3 BRASS GRATE
- PVC-DWV SANITARY PIPING
- VALVES ON ALL FIXTURES
- C.O. PROVIDED AT BASE OF ALL SANITARY DWV STACKS
- 1/2" WATER SUPPLY MINIMUM TO FIXTURE ONLY
- GATE VALVES WILL BE PROVIDED ON INLET AND OUTLET OF WATER METER
- WATER PIPING ———— TYPE M COPPER ABOVE GRADE
OPTIONAL PEX,
PEX BELOW SLAB.
- TRAP PRIMER ———— SUR SEAL (ALL FLOOR DRAINS)

FIXTURE BRANCH SCHEDULE					
ABBR.	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
W.C.	WATER CLOSET	1/2"	- - -	3"	3"
LAV.	LAVATORY/HAND SINK	1/2"	1/2"	1-1/2"	1-1/2"
F.D.	FLOOR DRAIN	- - -	- - -	2"	1-1/2"
DS	DOUBLE SINK	1/2"	1/2"	1-1/2"	1-1/2"
WTC	WATER COOLER	1/2"	-	1-1/2"	1-1/2"
FT.S.	FOOT SINK	1/2"	1/2"	1-1/2"	1-1/2"
F.S.	FLOOR SINK	- - -	- - -	2"	1-1/2"
L.S.	LAUNDRY SINK	1/2"	1/2"	2"	1-1/2"
S.S.	SERVICE SINK	1/2"	1/2"	2"	1-1/2"
WASH	WASHER	1/2"	1/2"	2"	1-1/2"

NOTE: PIPE SIZES SHOWN ARE MINIMUM.



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



REVISIONS

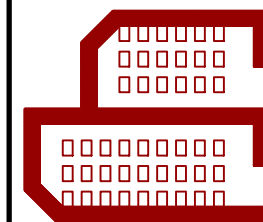
CREEKWOOD ARCHITECTURE, INC.

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SHEET TITLE
SANITARY PLAN
WATER PLAN

PROJECT
NEW TOILET FACILITY for
NORTH BRANCH SCHOOLS

6540 BRUSH ST
NORTH BRANCH, MI
DRAWN BY J.V.C.
CHECKED BY R.A.S.

JOB NO. 23009

DATE 15 MAY 23

SHEET NO.

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OF 1