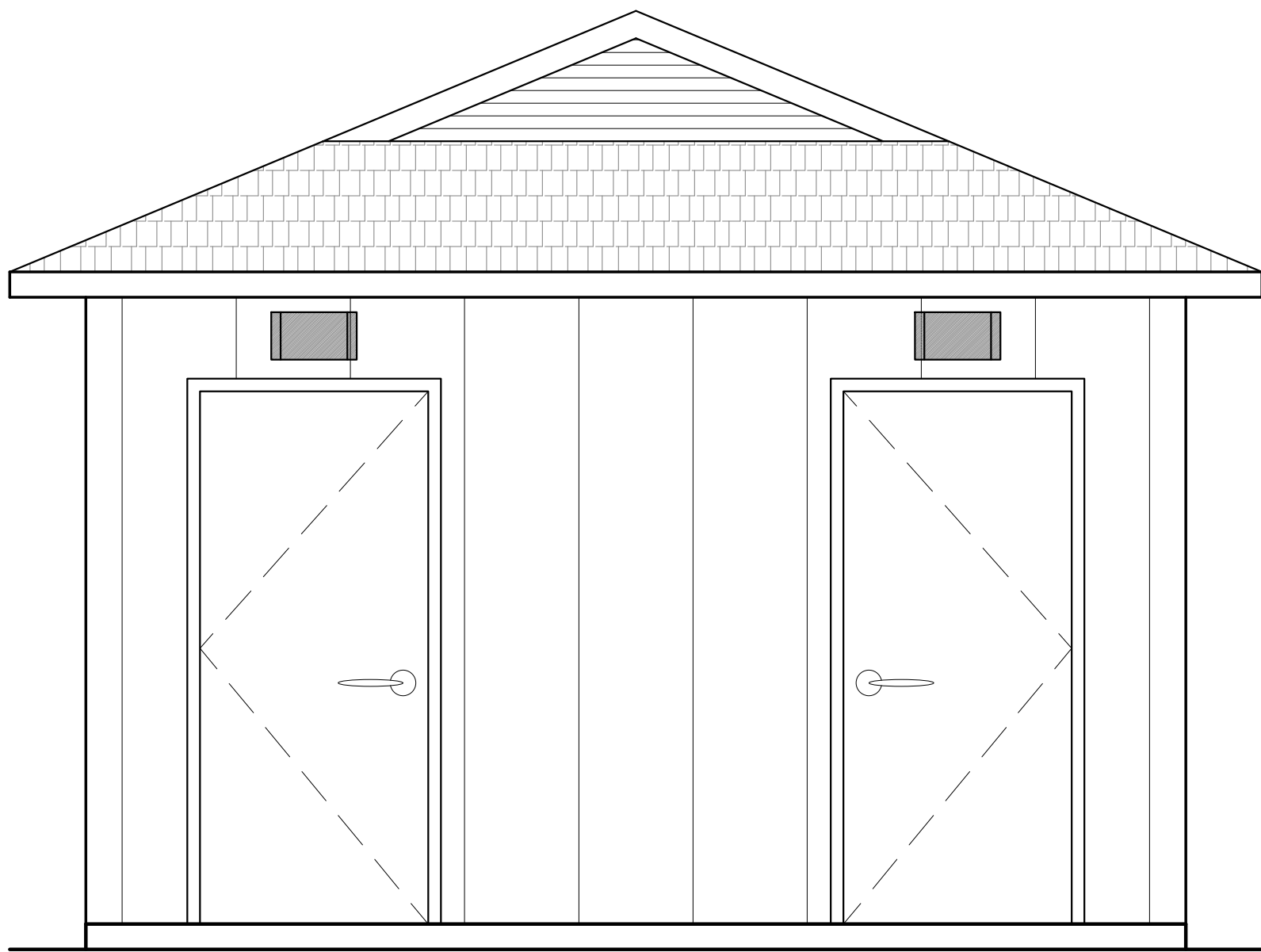


GENERAL NOTES

- ALL CONTRACTORS AND SUBCONTRACTORS WILL THOROUGHLY FAMILIARIZE THEMSELVES WITH THESE CONSTRUCTION DOCUMENTS AND WILL VERIFY EXISTING SITE AND CONDITIONS PRIOR TO SUBMITTING A BID. ALL SUBCONTRACTORS WILL PROVIDE ALL LABOR, SUPERVISION, AND MATERIALS OF EVERY TYPE WHICH MAY BE NECESSARY FOR A SUCCESSFUL COMPLETION. ALL WORK TO BE PERFORMED IN A GOOD AND WORKMANLIKE MANNER ACCORDING TO THE TRUE INTENT AND MEANING OF THE DRAWINGS AND SPECIFICATIONS.
- THIS ARCHITECT AND HIS PROFESSIONAL CONSULTANTS WILL NOT HAVE CONTROL, OF AND WILL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK ON THIS PROJECT OR FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK ON THIS SITE, NOR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE INTENT OF THE CONTRACT AND OR CONSTRUCTION DOCUMENTS.
- ALL CONTRACTORS WILL PROVIDE ADEQUATE BRACING AND/OR SHORING TO INSURE STRUCTURAL STABILITY OF THE BUILDING AND ALL RELATED BUILDING COMPONENTS IE: STRUCTURAL WALLS, INTERIOR WALL ASSEMBLIES, ETC. DURING THE CONSTRUCTION PHASE OF THIS PROJECT.
- WORK WILL BE COORDINATED WITH ALL TRADES IN ORDER TO AVOID INTERFERENCE, AND AVOID OMISSIONS.
- ALL MATERIALS USED WILL BE NEW AND BEAR U.L. LABELS WHERE REQUIRED AND MEET APPROPRIATE N.E.M.A. STANDARDS.
- LAYOUT ALL PARTITIONS BEFORE BEGINNING CONSTRUCTION TO PREVENT ERRORS BY DISCREPANCY. ALL DRYWALL PARTITIONS WILL BE INSTALLED AS NOTED ON THE DRAWINGS.
- EACH SUBCONTRACTOR WILL AMEND AND MAKE GOOD AT HIS OWN COST, ANY DEFECTS OR OTHER FAULTS IN HIS WORKMANSHIP AND/OR HIS SUPPLIED MATERIALS.
- ALL CONTRACTORS WILL GUARANTEE ALL LABOR AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF OCCUPANCY.
- VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO ORDERING, CUTTING AND/OR INSTALLING MATERIAL, PRODUCT OR EQUIPMENT. IN THE EVENT OF ANY DISCREPANCIES, CONTACT THE CONSTRUCTION MANAGER OR OWNER BEFORE PROCEEDING WITH THAT WORK.
- ALL SUBCONTRACTORS WILL PROVIDE A CERTIFICATE OF INSURANCE TO THE GENERAL CONTRACTOR PRIOR TO STARTING ANY WORK ON THIS PROJECT. CERTIFICATE OF INSURANCE CANNOT BE TERMINATED OR CANCELED WITHOUT 10 DAYS PRIOR WRITTEN NOTICE TO THE OWNER.
- ANY ADDITIONS OR CHANGES TO WORK MUST BE AUTHORIZED IN WRITING BY THE CONSTRUCTION MANAGER OR OWNER. NO ALTERATIONS WILL BE MADE ON THIS PROJECT EXCEPT UPON WRITTEN ORDER BY THE CONSTRUCTION MANAGER.
- NO SUBSTITUTIONS OF ANY KIND FOR MATERIALS SPECIFIED ON THESE CONSTRUCTION DOCUMENTS IS ALLOWED. NO "EQUIVALENT" SUBSTITUTIONS WILL BE MADE, UNLESS DUE TO THE LACK OF AVAILABILITY OF THE ORIGINAL MATERIAL SPECIFIED AND APPROVED IN WRITING BY CLIENT.
- WEATHER CONDITIONS: CONTRACTORS WILL PROTECT ALL PARTS OF THEIR WORK FROM WEATHER DAMAGE DUE TO FROST, RAIN, HEAT, ETC. AND WILL MAKE GOOD TO THE SATISFACTION OF THE CONSTRUCTION MANAGER AND/OR GENERAL CONTRACTOR ANY PORTION OF THE WORK WHICH MAY HAVE BECOME DAMAGED.
- RESPONSIBILITY OF CONTRACTOR: EACH SUBCONTRACTOR IS RESPONSIBLE FOR WORKMANSHIP AND MATERIALS. EACH SUBCONTRACTOR IS RESPONSIBLE FOR THE CARE AND PROTECTION OF HIS OWN WORK AND MATERIALS.
- SITE SAFETY: EACH CONTRACTOR WILL ABIDE BY LOCAL AREA STANDARDS AND RELATED OSHA STANDARDS FOR THE PROTECTION AND SAFETY FOR THEIR EMPLOYEES ON SITE. THIS ARCHITECT AND HIS PROFESSIONAL CONSULTANTS WILL BE HELD HARMLESS BY THE OWNER, GENERAL CONTRACTOR AND RELATED AWARDED TRADES ON THIS PROJECT FOR ACCIDENTS OR INJURIES CAUSED OR ACCRUED ON THIS PROPERTY DURING THE PRE/ACTUAL/POST CONSTRUCTION PHASES OF THIS PROJECT.
- PILFERAGE: EACH CONTRACTOR WILL BE RESPONSIBLE FOR HIS OWN EQUIPMENT AND MATERIALS USED IN CONSTRUCTION INCLUDING THOSE ITEMS, FURNISHED BY THE OWNER, AND DELIVERED TO THE JOB SITE, TO BE INSTALLED BY THE CONTRACTOR. THE OWNER WILL NOT BE HELD LIABLE FOR STOLEN EQUIPMENT, MATERIALS OR DAMAGE OF THE SAME ON THIS JOB SITE.
- LIENS: ALL SUBCONTRACTORS AND THE GENERAL CONTRACTOR WILL DELIVER TO THE OWNER, A COMPLETE RELEASE OF ALL CLAIMS ARISING OUT OF THIS CONTRACT.
- GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL OF DEBRIS ACCUMULATED BY EACH TRADE. HOWEVER, EACH TRADE WILL KEEP THE JOB SITE CLEAN AND SAFE AT ALL TIMES, ALONG WITH A BROOM FINISH AT THE END OF EACH WORKING DAY.
- SCHEDULE OF WORK: THE OWNER CONSTRUCTION MANAGER WILL COORDINATE WITH THE GENERAL CONTRACTOR DURING THE BIDDING PROCESS, THE REQUIRED NUMBER OF CALENDAR DAYS TO COMPLETE THIS WORK.



BRIDGES TOP TRACER
BATHROOM UTILITIES
1400 POPLAR CREEK DRIVE
HOFFMAN ESTATES, IL 60169



PROJECT DIRECTORY

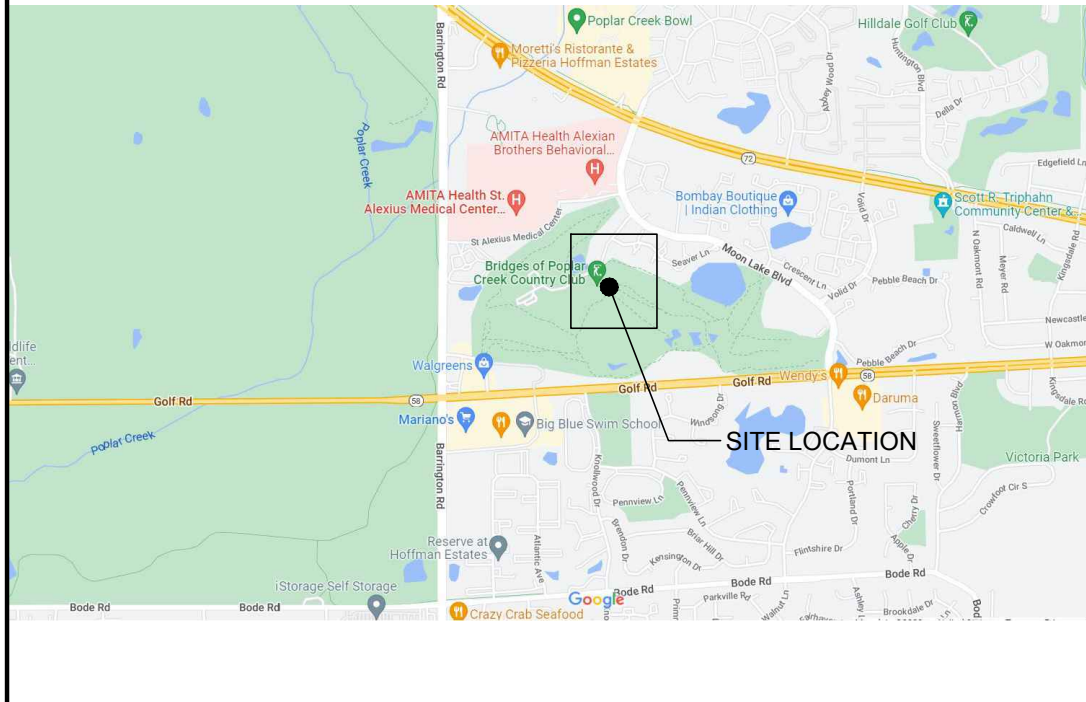
OWNER
BRIDGES OF POPLAR CREEK
ATTN: DUSTIN HUGEN
1400 POPLAR CREEK DRIVE
HOFFMAN ESTATES, IL 60169
847.285.5465

MECHANICAL, ELECTRICAL, AND PLUMBING ENGINEER
WT GROUP
ATTN: MARK VENTRELLI
2675 PRATUM AVENUE
HOFFMAN ESTATES, IL 60192
224.293.6333

ARCHITECT
WT GROUP
ATTN: CHRISTIAN KALISCHEFSKI
2675 PRATUM AVENUE
HOFFMAN ESTATES, IL 60192
224.293.6333

CIVIL ENGINEER
WT GROUP
ATTN: TODD ABRAMS
2675 PRATUM AVENUE
HOFFMAN ESTATES, IL 60192
224.293.6333

LOCATION MAP



GENERAL BUILDING INFORMATION

HOFFMAN ESTATES ADOPTED CODES
2015 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL FIRE CODE
2015 INTERNATIONAL MECHANICAL CODE
2017 NATIONAL ELECTRICAL CODE
CURRENT ILLINOIS STATE PLUMBING CODE
2018 ILLINOIS ACCESSIBILITY CODE
CURRENT ILLINOIS ENERGY CONSERVATION CODE
2015 INTERNATIONAL FUEL GAS CODE
CURRENT HOFFMAN ESTATES ZONING ORDINANCE

BUILDING DATA
ZONING CLASSIFICATION: RPD - RESIDENTIAL PLANNED DEVELOPMENT DISTRICT
OCCUPANCY: U - UTILITY
CONSTRUCTION TYPE: V-B
NUMBER OF STORIES: 1
BUILDING AREA: 185 SQ.FT.

STATEMENT OF COMPLIANCE

I, CHRISTIAN KALISCHEFSKI, A.I.A., DULY LICENSED IN THE STATE OF ILLINOIS BY THE DEPARTMENT OF PROFESSIONAL REGULATION, DO HEREBY STATE THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF DOES CONFORM TO THE APPLICABLE BUILDING CODES AND ORDINANCES, AND ARE IN COMPLIANCE WITH THE ENVIRONMENTAL BARRIERS ACT [410 ILLS 25] AND THE ILLINOIS ACCESSIBILITY CODE (71 III.ADM. CODE 400).

DATE: 03/01/2022

CHRISTIAN KALISCHEFSKI
ILLINOIS REGISTRATION NUMBER: 001-012930
DATE OF EXPIRATION: NOVEMBER 30, 2022

DRAWING INDEX

GENERAL
G001 COVER SHEET
G002 ACCESSIBILITY INFORMATION

ARCHITECTURAL
A101 PLANS AND DETAILS
A201 EXTERIOR ELEVATIONS AND WALL SECTIONS
A701 SCHEDULES AND DETAILS

PLUMBING
P1.1 PLUMBING PLAN AND DETAILS

MECHANICAL
M1.1 MECHANICAL PLAN AND SCHEDULES

ELECTRICAL
E1.1 ELECTRICAL PLANS
E2.1 RISER DIAGRAMS AND PANEL SCHEDULES
E2.2 ELECTRICAL SPECIFICATIONS SYMBOLS AND NOTES

NOTE:
CIVIL DRAWINGS ARE UNDER SEPARATE DRAWING SET.

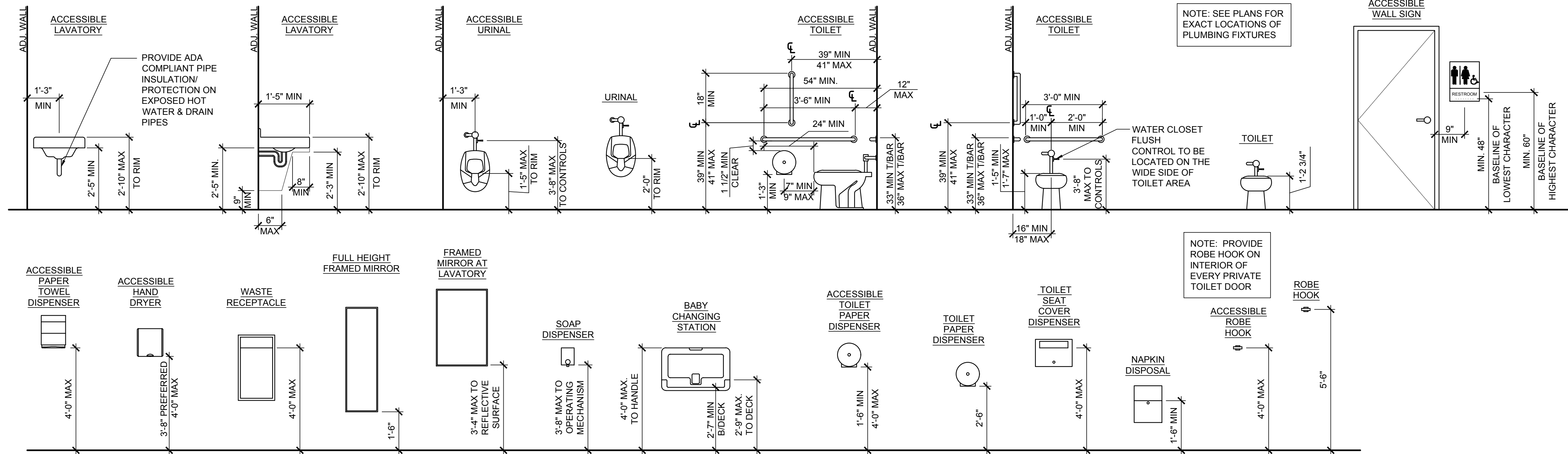
BRIDGES TOP TRACER BATHROOM UTILITIES
1400 POPLAR CREEK DRIVE
HOFFMAN ESTATES, IL 60169

project no. 022000001
date: 03.01.2022 BID
revision 1:
revision 2:
revision 3:
revision 4:
checked: TM
drawn: PM
sheet title: COVER SHEET
sheet number: G001

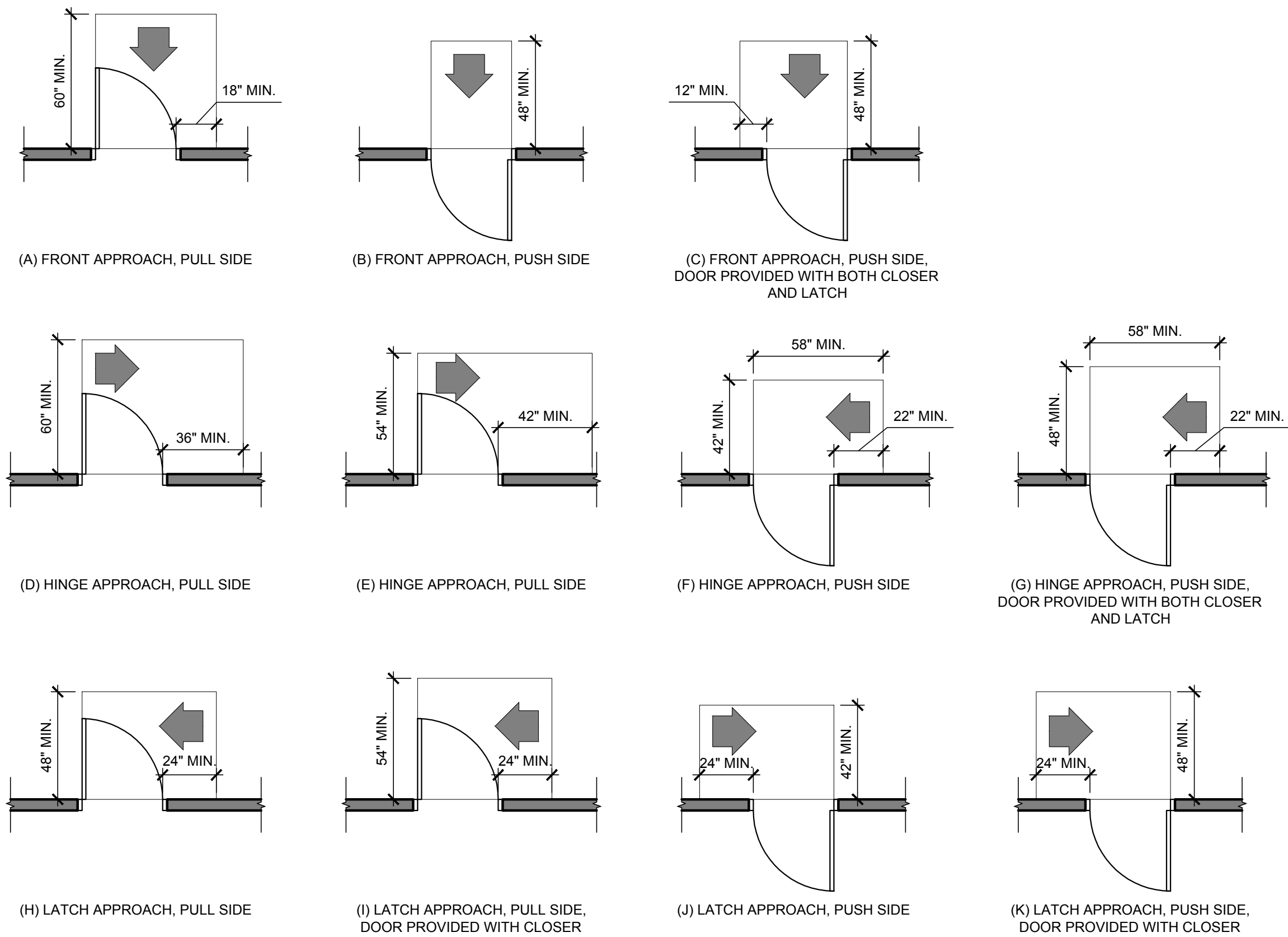
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ARCHITECTS
API
2675 PRATUM AVENUE
HOFFMAN ESTATES, IL 60192
OFFICE 512.505.1342

STATE OF ILLINOIS
CHRISTIAN KALISCHEFSKI
12930
LICENSED ARCHITECT
Signed: 03/01/2022 Expires: 11/30/2022



1 TYPICAL ACCESSORY MOUNTING HEIGHTS
SCALE: N.T.S.



3 ACCESSIBLE DOOR CLEARANCES
SCALE: N.T.S.



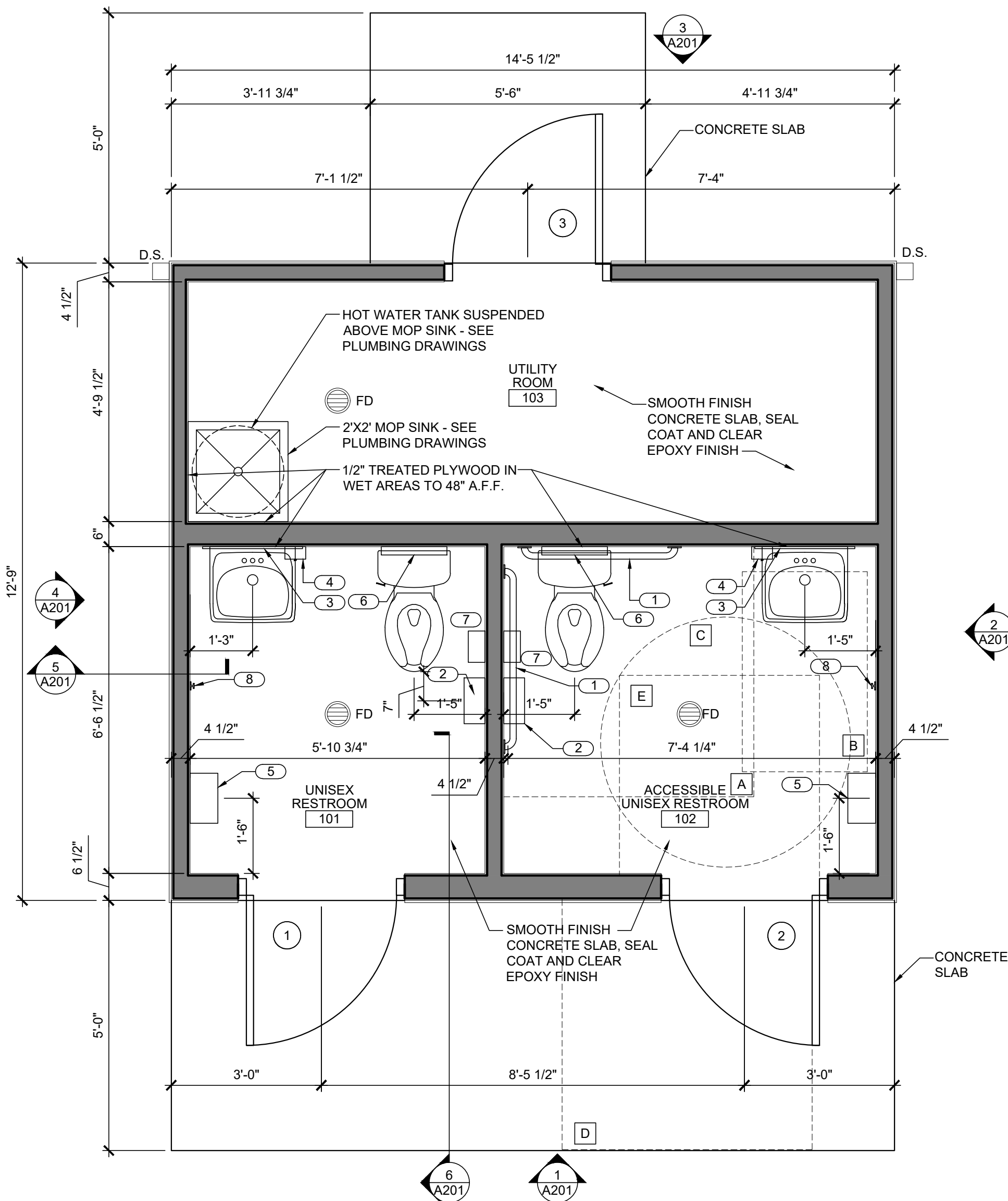
SIGN MUST INCLUDE: GRADE 2 BRAILLE, MINIMUM 6" X 6" PICTOGRAM, AND 5/8" HIGH TEXT RAISED 1/32". THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND. CHARACTERS MUST BE UPPERCASE AND SANS SERIF OR "SIMPLE SERIF" TYPE STYLE.

ACCESSIBLE SIGNAGE FINISH, CHARACTERS, SYMBOLS AND BRAILLE MUST MEET THE REQUIREMENTS OF THE 2018 ILLINOIS ACCESSIBILITY CODE. SIGN MUST INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.

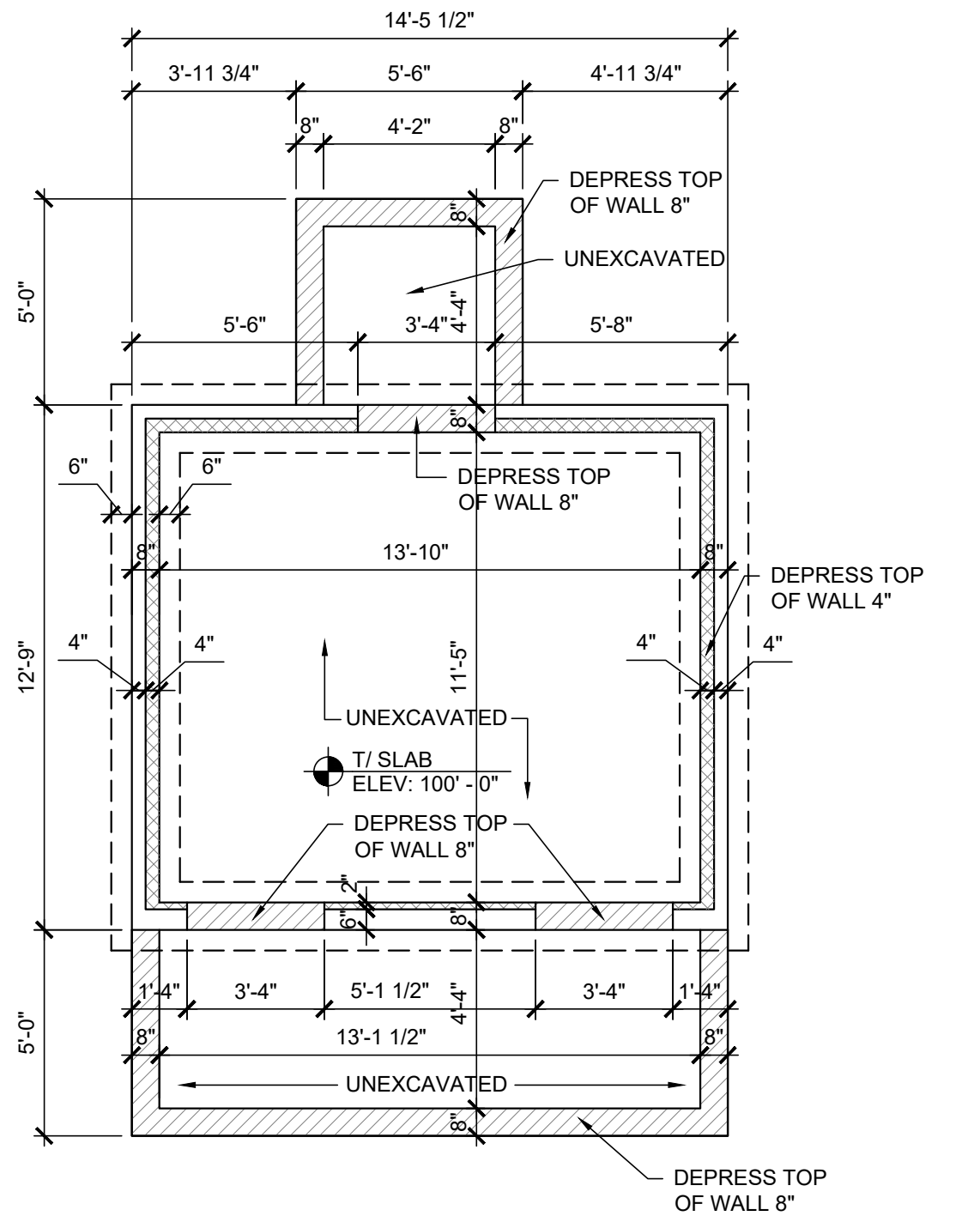
RESTROOM SIGNAGE SHALL BE MOUNTED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. MOUNTING HEIGHT SHALL BE PER THE DIAGRAM ON THIS SHEET. MOUNTING LOCATION FOR THE SIGNAGE MUST BE SO THAT A PERSON MAY APPROACH WITHIN AN 18"X18" AREA, CENTERED ON THE SIGNAGE, WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR DOOR SWINGS.

PER THE ILLINOIS EQUITABLE RESTROOM ACT, SIGNAGE TO BE GENDER NEUTRAL.

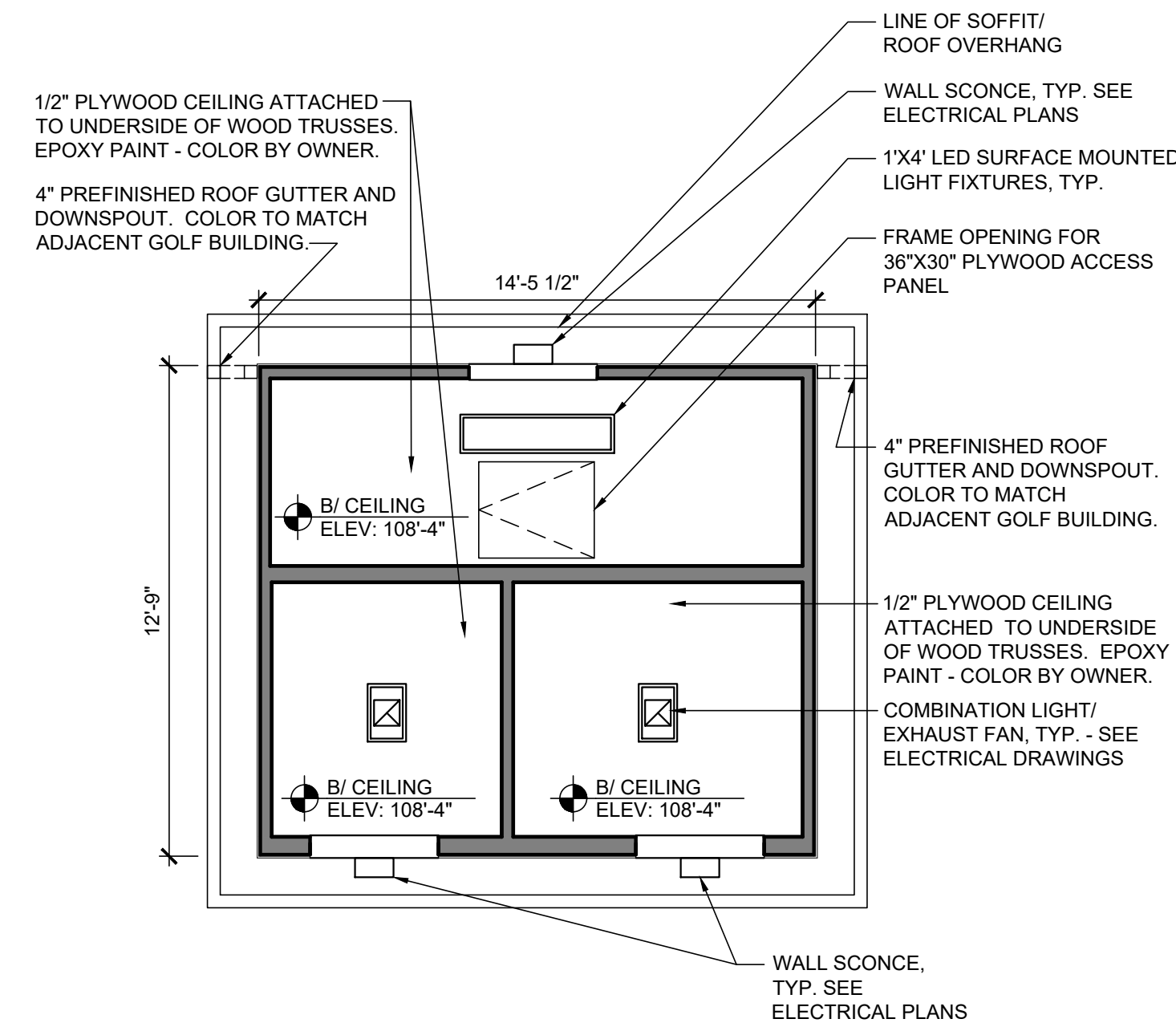
2 ACCESSIBLE SIGNAGE
SCALE: N.T.S.



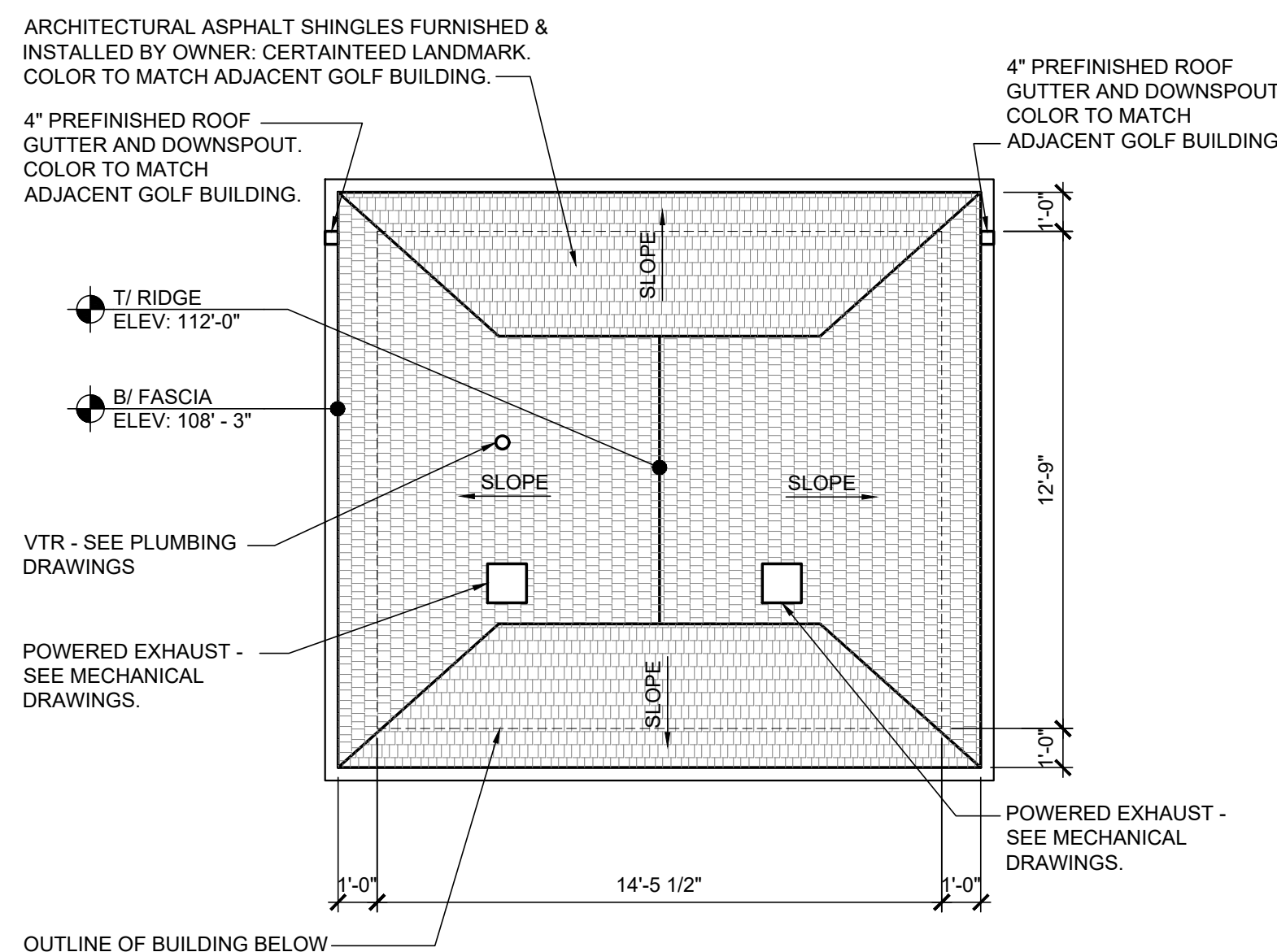
1 FLOOR PLAN
SCALE: 1/2" = 1'-0"



2 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



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



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

PLAN GENERAL NOTES

- ALL CONTRACTORS TO VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS BEFORE ANY WORK IS TO BEGIN. NOTIFY ARCHITECT OF DISCREPANCIES.
- ALL WORK TO BE DONE IN ACCORDANCE WITH ALL GOVERNING STATE AND LOCAL CODES, ORDINANCES, AND AMENDMENTS.
- PROVIDE ALL REQUIRED IN WALL BLOCKING FOR ALL WALL MOUNTED EQUIPMENT, MILLWORK, SHELVING, AND ACCESSORIES.
- MOUNT ALL FIXTURES & ACCESSORIES AT HEIGHTS CONFORMING WITH ALL GOVERNING CODES & ACCESSIBILITY REQUIREMENTS.
- FIRE EXTINGUISHERS ARE SUPPLIED AND INSTALLED BY THE G.C. QUANTITIES AND LOCATIONS TO BE COORDINATED W/ THE LOCAL FIRE DEPARTMENT.
- ALL DIMENSIONS ARE NOMINAL & ARE FROM FACE OF GYPSUM BOARD, SHEATHING, OR SUBSTRATE UNLESS NOTED OTHERWISE.
- PROVIDE CONTINUOUS BEAD OF CLEAR SILICONE SEALANT AT INTERIOR SIDE OF ALL WALL TRANSITIONS. SEAL ALL NEW AND EXISTING OPENINGS IN FLOORS, STRUCTURAL DECK AND EXTERIOR WALLS IN ORDER TO PROVIDE A WEATHER TIGHT SEAL.
- ALL WALLS ARE AT 90° UNLESS NOTED OTHERWISE.
- PROPERLY PREPARE & CLEAN SUBSTRATES & SURFACES AS REQUIRED TO ACCEPT FINISHES, MATERIALS, TREATMENTS, ETC.
- G.C. SHALL PROVIDE FINAL CLEANING AT END OF CONSTRUCTION.
- SEE ELECTRICAL DRAWINGS FOR LIGHTING SCHEDULE AND SPECIFICATIONS.
- COORDINATE LOCATION OF LIGHT FIXTURES AND POWER SUPPLY WITH ELECTRICAL DRAWINGS.
- CONTRACTOR TO SUBMIT LIGHTING CUTS TO OWNER FOR APPROVAL PRIOR TO ORDERING. CONTRACTOR SHALL VERIFY LIGHTING CATALOG NUMBER WITH ELECTRICAL DRAWINGS AND NOTIFY THE OWNER OF ANY DISCREPANCIES.
- GENERAL CONTRACTOR TO COORDINATE LIGHT FIXTURE CLEARANCE REQUIREMENTS WITH ABOVE CEILING UTILITIES, I.E. PLUMBING, CONDUIT & DUCTWORK, BEFORE COMMENCING WORK.
- ELECTRICAL CONTRACTOR TO VERIFY ALL LOCATIONS OF WALL MOUNTED OUTLETS, J-BOXES, AND ITEMS PROVIDED BY THE OWNER, SEE ELECTRICAL DRAWINGS.

PLAN LEGEND

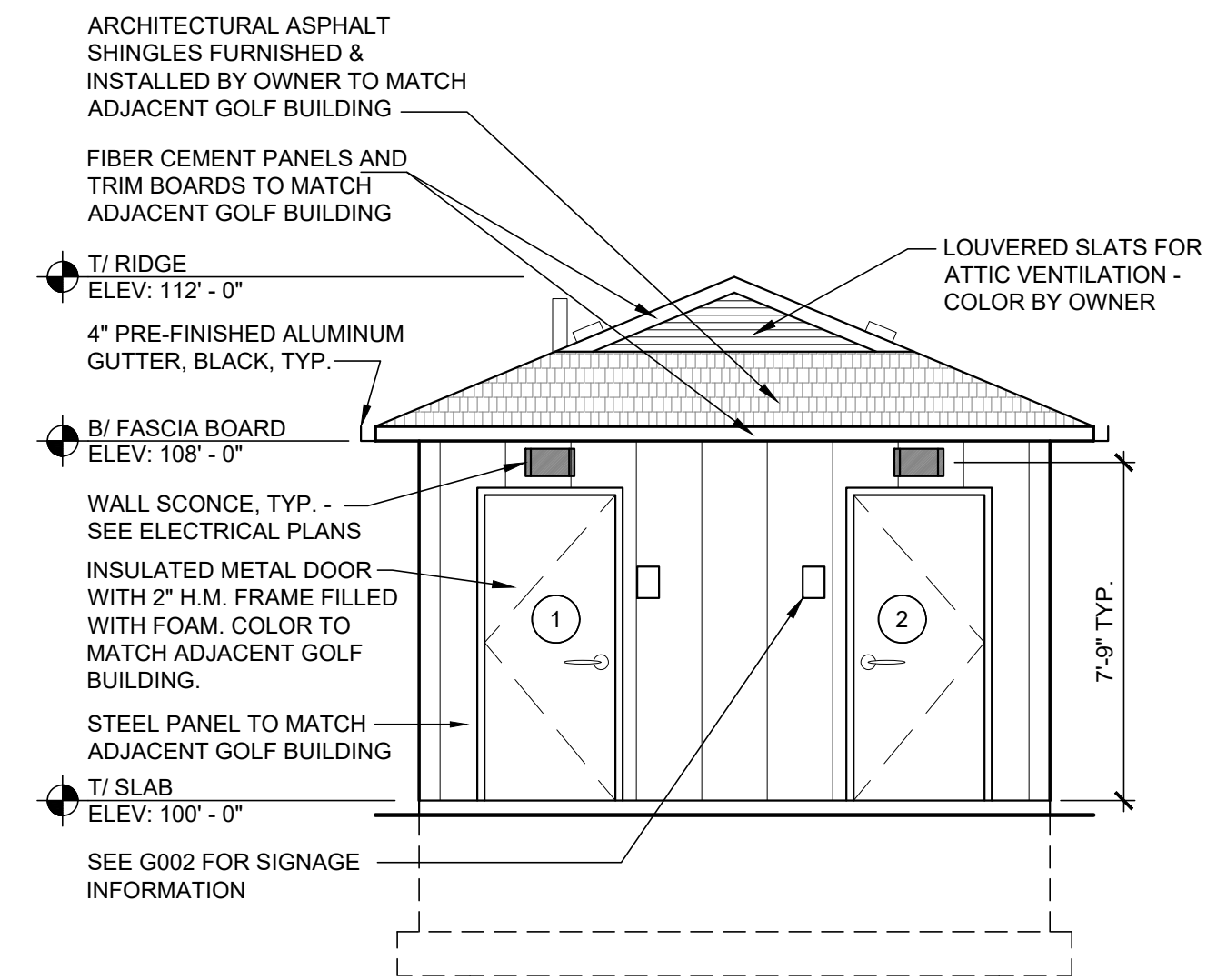
- STUD WALL CONSTRUCTION
- DOOR TAG - SEE DOOR SCHEDULE
- EQUIPMENT TAG - SEE RESTROOM ACCESSORY SCHEDULE
- INDICATES CEILING HEIGHT
- 1"x4" SURFACE MOUNTED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- COMBINATION EXHAUST FAN/LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS

CLEAR FLOOR SPACE

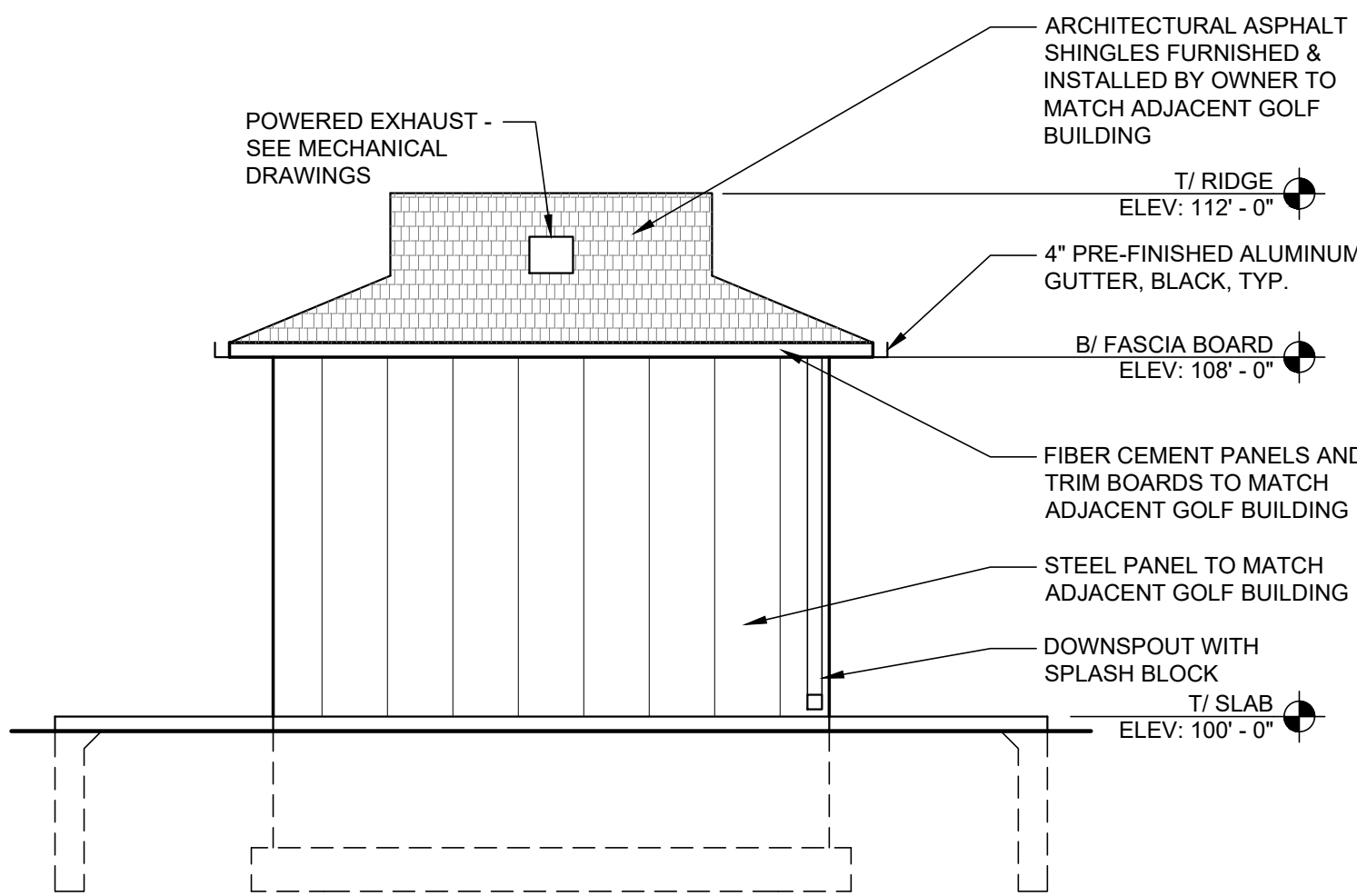
TAG	ITEM	SPACE REQUIRED
A	TOILET	60" X 60"
B	SINK	30" X 48"
C	TURNING SPACE	60" DIAMETER
D	PULL SIDE OF 3'-0" DOOR FRONT APPROACH	60" X 60"
E	PUSH SIDE OF 3'-0" DOOR LATCH APPROACH	48" X 48"

ROOF GENERAL NOTES

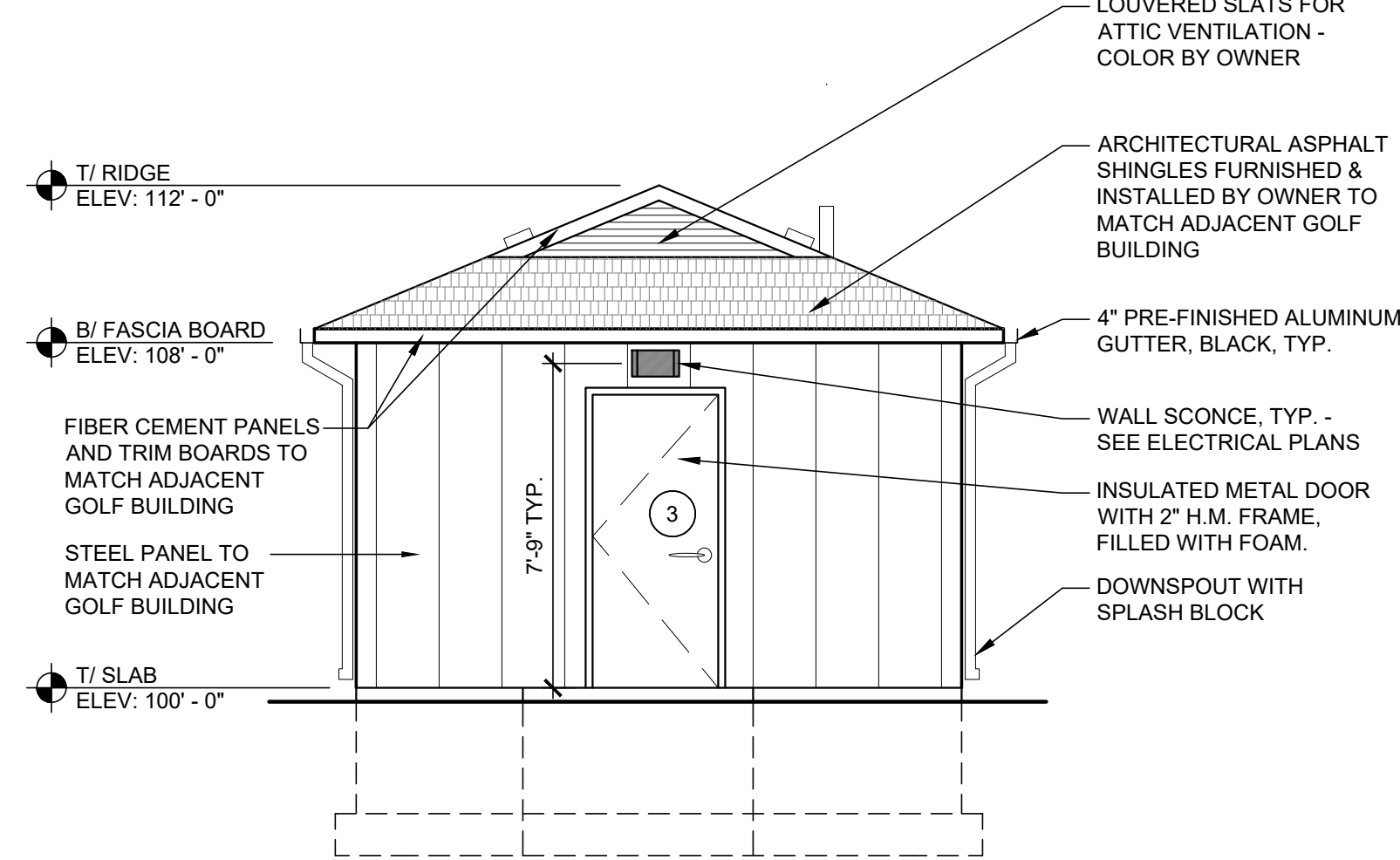
- PROVIDE A COMPLETE AND WATER TIGHT ROOFING SYSTEM THAT MAINTAINS THE ROOF SYSTEM MANUFACTURER'S WARRANTY.
- PROCEED WITH WORK ONLY WHEN WEATHER CONDITIONS PERMIT WORK TO PROCEED WITH OUT WATER ENTERING THE ROOFING SYSTEM.
- PROTECT ALL MATERIAL FROM SATURATION OF WATER PRIOR TO FINAL INSTALLATION OF ROOF MEMBRANE.
- ALL WOOD BLOCKING TO BE PRESSURE TREATED P.T.
- ALL METAL FASTENERS TO BE CORROSION RESISTANT.
- ALL NEWLY INSTALLED FLASHING MATERIALS TO BE COMPATIBLE WITH ONE ANOTHER CAUSING NO DELETERIOUS EFFECTS.
- CONTRACTOR TO ENSURE ALL ROOFING SYSTEMS MEET MANUFACTURER'S REQUIREMENTS FOR TOTAL SYSTEM WARRANTIES. THE WARRANTY PERIOD SHOULD MEET 25 YEARS.



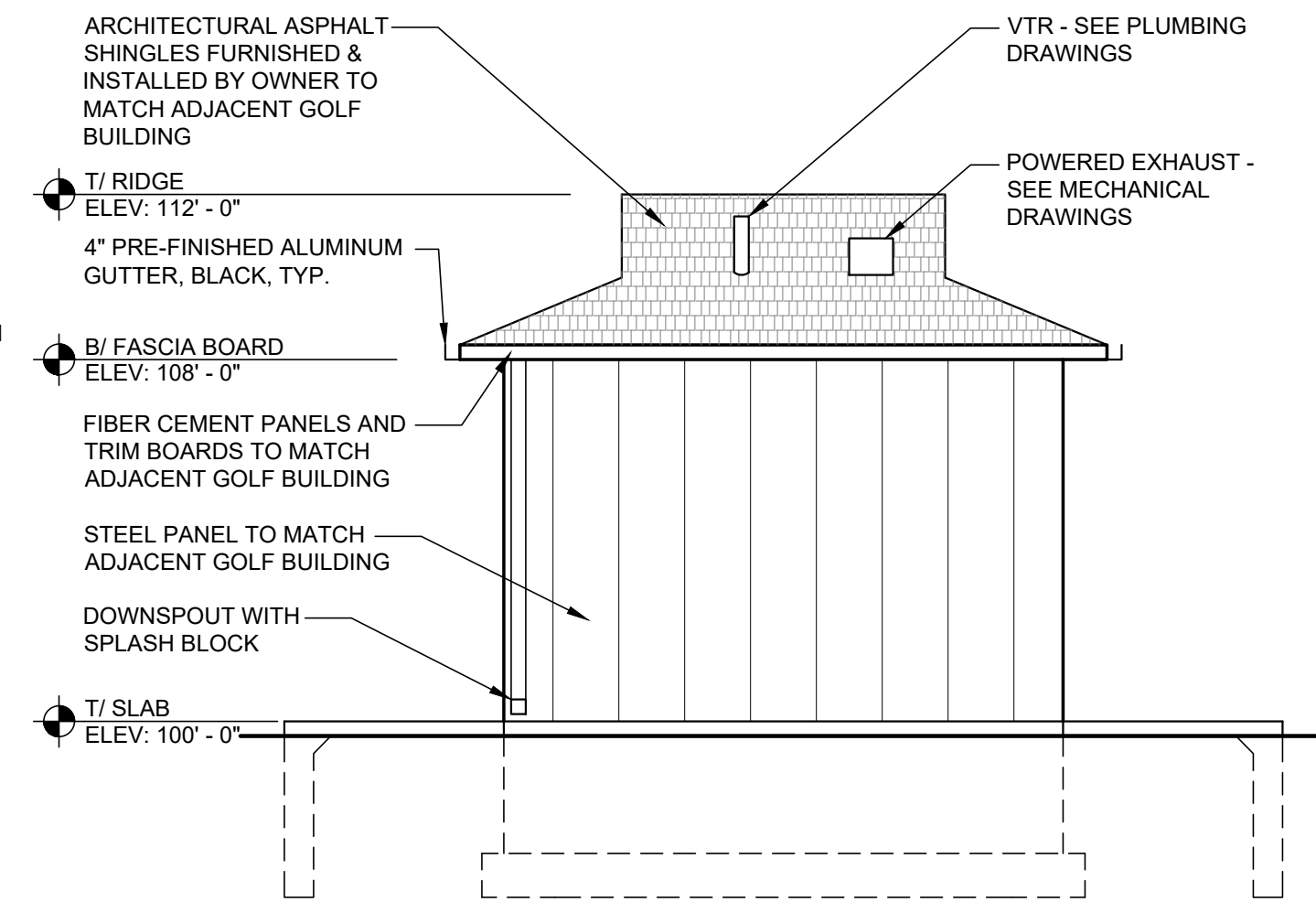
1 FRONT ELEVATION
SCALE: SCALE: 1/4" = 1'-0"



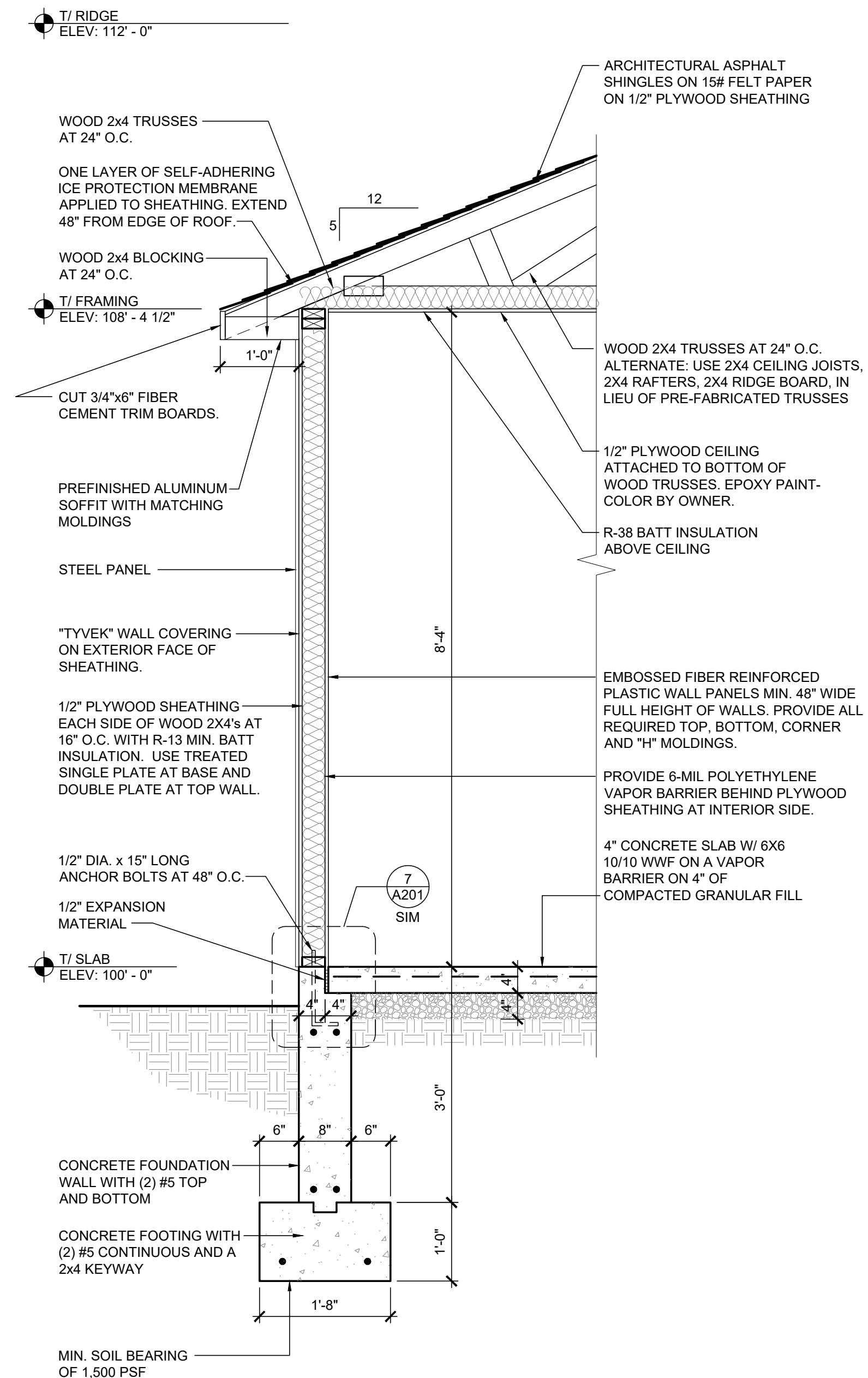
2 SIDE ELEVATION
SCALE: SCALE: 1/4" = 1'-0"



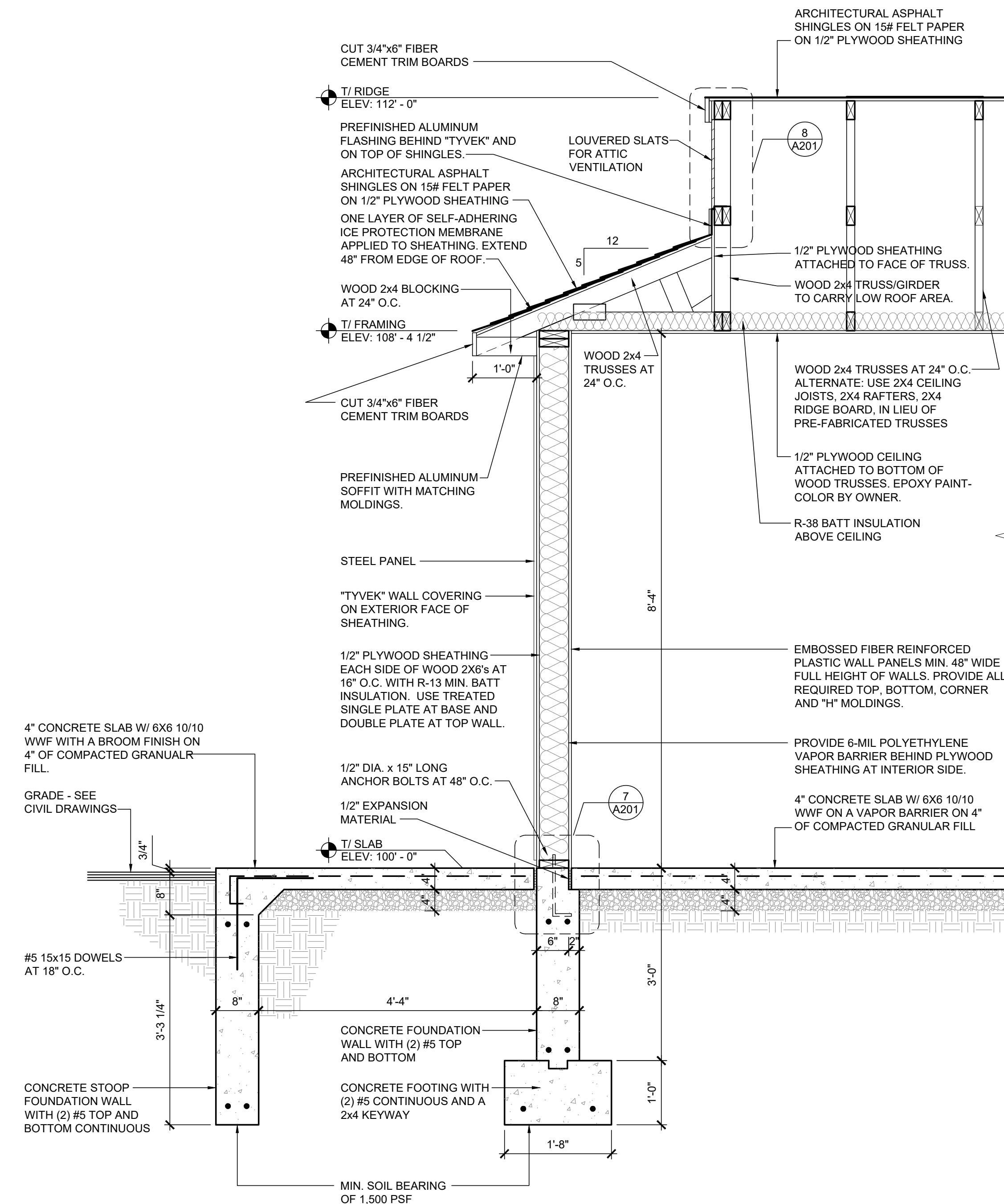
3 SIDE ELEVATION
SCALE: SCALE: 1/4" = 1'-0"



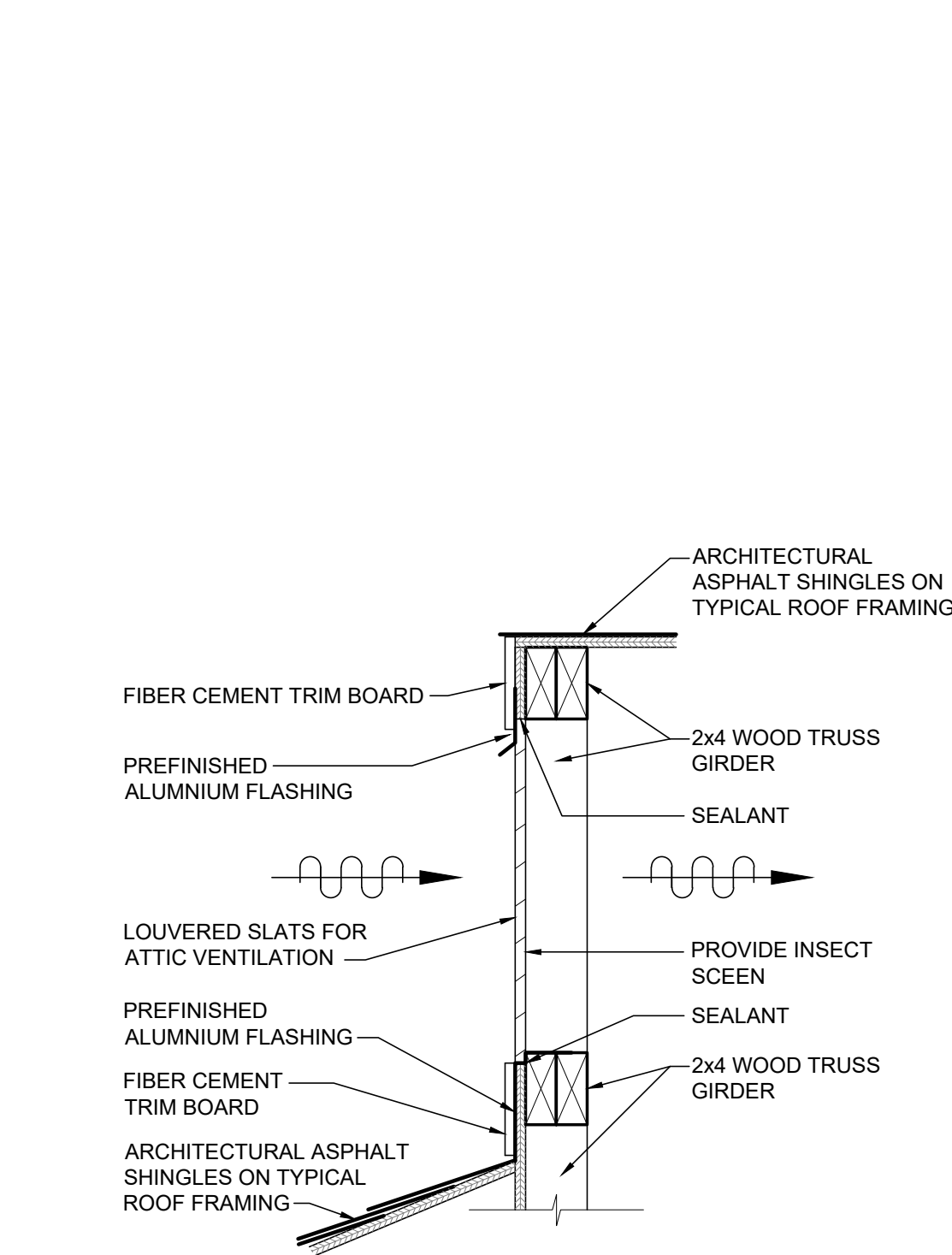
4 RIGHT ELEVATION
SCALE: SCALE: 1/4" = 1'-0"



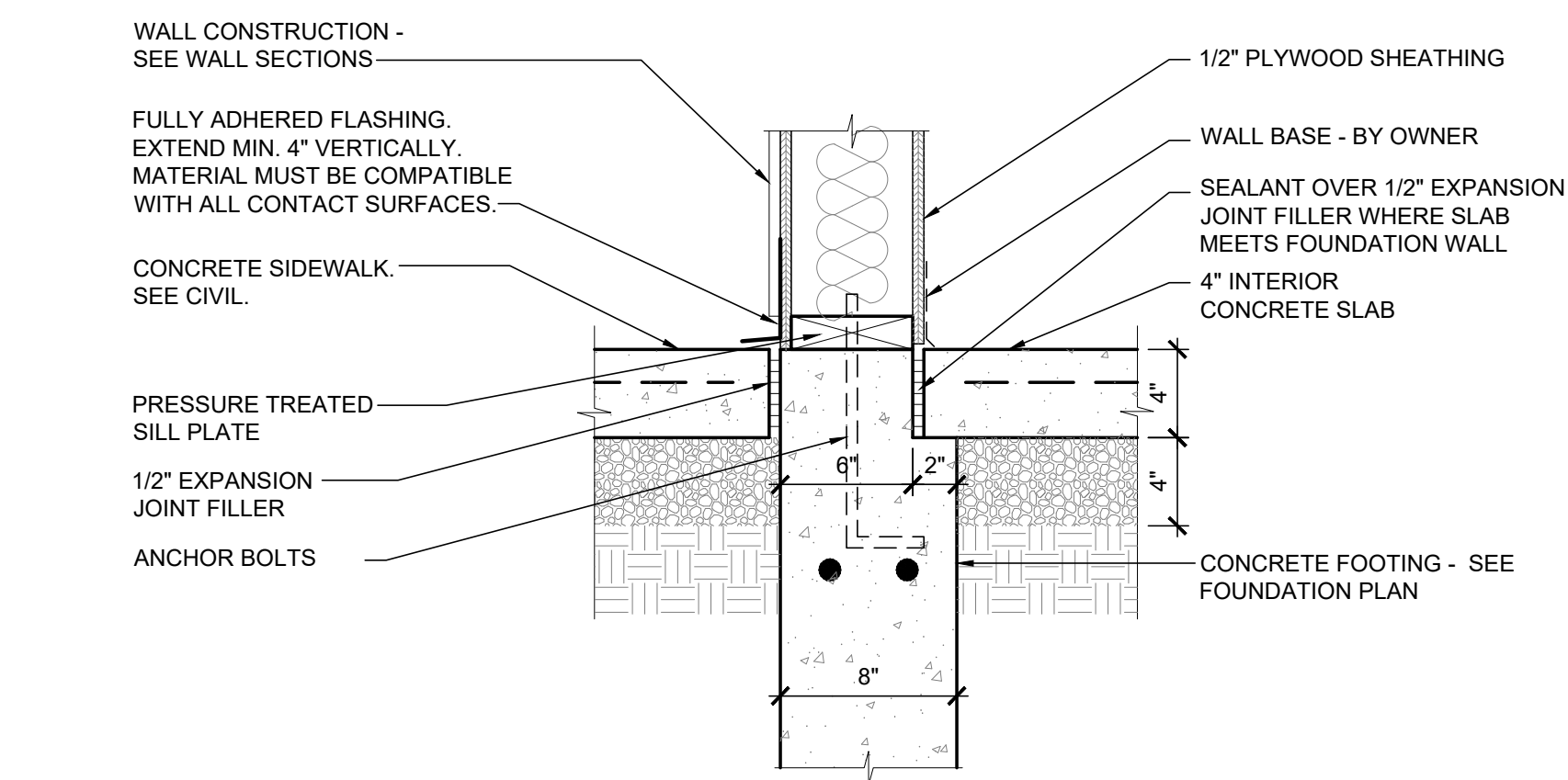
5 WALL SECTION
SCALE: SCALE: 3/4" = 1'-0"



6 WALL SECTION
SCALE: SCALE: 3/4" = 1'-0"



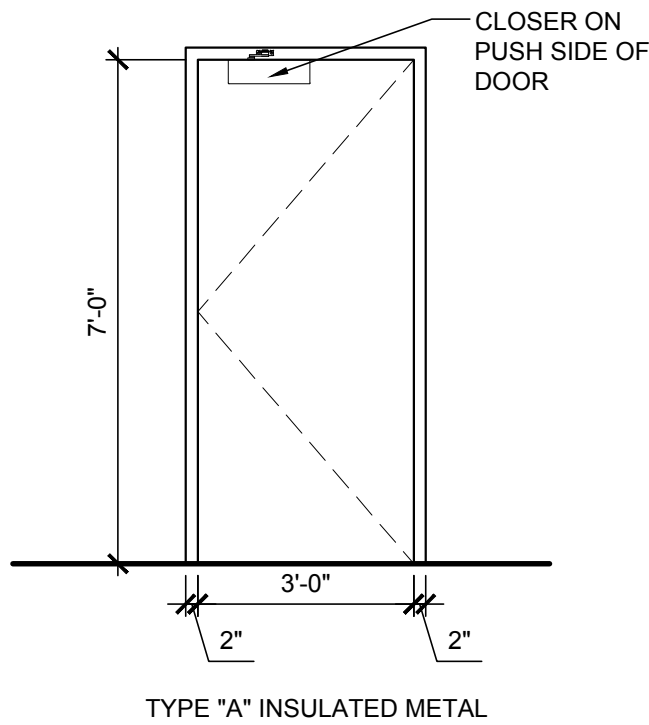
8 LOUVER DETAIL
SCALE: SCALE: 1 1/2" = 1'-0"



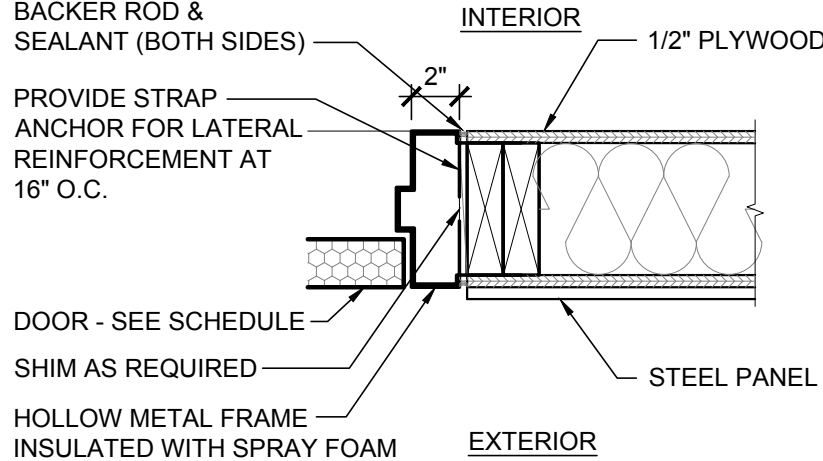
7 WALL BASE DETAIL
SCALE: SCALE: 1 1/2" = 1'-0"

DOOR SCHEDULE (X)										
TAG	ROOM NAME	DOOR SIZE W X H	FRAME SIZE	DOOR TYPE	MATERIAL DOOR / FRAME	THRESHOLD DETAIL	MANUFACTURER	HARDWARE SET	FIRE RATING	COMMENTS
1	UNISEX RESTROOM	3'-0" x 7'-0"	3'-4" x7'-2"	A	INSUL. H.M.	N/A	CURRIES OR EQUAL	1	0-HOUR	FRAME FOR 2x6. COLOR BY OWNER.
2	ACCESSIBLE UNISEX RESTROOM	3'-0" x 7'-0"	3'-4" x7'-2"	A	INSUL. H.M.	N/A	CURRIES OR EQUAL	1	0-HOUR	FRAME FOR 2x6. COLOR BY OWNER.
3	UTILITY ROOM	3'-0" x 7'-0"	3'-4" x 7'-2"	A	INSUL. H.M.	N/A	CURRIES OR EQUAL	2	0-HOUR	FRAME FOR 2x4. COLOR BY OWNER.
DOOR HARDWARE										
SET 1 <ul style="list-style-type: none">1 1/2 PAIR BUTT HINGES (4 1/2"x4 1/2" NRP)LEVER OPERATED LOCKSET - DOUBLE BORE AND CYLINDER LOCK.DOOR CLOSERBOTH DOOR AND FRAME FACTORY PRIMED FOR PAINTING.FRAME COLOR TO MATCH DOOR.INSECT SWEEP					SET 2 <ul style="list-style-type: none">1 1/2 PAIR BUTT HINGES (4 1/2"x4 1/2" NRP)LEVER OPERATED LOCKSET - DOUBLE BORE AND CYLINDER LOCK WITH DEADBOLT.DOOR CLOSERBOTH DOOR AND FRAME FACTORY PRIMED FOR PAINTING.FRAME COLOR TO MATCH DOOR.INSECT SWEEP					
NOTES <ul style="list-style-type: none">ALL DOORS ARE 1 3/4" THICK - UNLESS NOTED OTHERWISE.ALL INTERIOR HOLLOW METAL FRAMES ARE 16 GA, WELDED TYPE.ALL CLOSERS AND HARDWARE TO BE US26D - UNLESS NOTED OTHERWISE.ALL LOCKSETS TO BE KEYED SEPARATELY. ALL KEYWAYS TO BE STANDARD KEYWAYS.CONTRACTOR TO CONFIRM THAT ALL CYLINDERS WILL BE PROVIDED FROM ONE SOURCE.ALL CLOSERS AND LOCKSETS SHALL MEET ACCESSIBILITY REQUIREMENTS.ALL HINGES ON DOORS WITH CLOSERS TO BE OIL IMPREGNATED BEARING TYPE.ALL FRAMES TO RECIEVE STANDARD ANSI CURVED LIP STRIKE WITH ANSI WROUGHT STRIKE BOX WHERE REQUIRED.					<ul style="list-style-type: none">ALL CLOSERS TO BE SET FOR 110 DEGREE OPENING WHERE THE DOOR SWING WILL NOT BE IN CONFLICT WITH ADJACENT CONSTRUCTION.EXTERIOR DOORS TO HAVE MAXIMUM 5 POUNDS PUSH/PULL OPENING FORCE.ALL DOOR HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES SHALL BE INSTALLED AT LEAST 34" BUT NOT MORE THAN 48" ABOVE FINISH FLOOR.THE OPERATING DEVICES SHALL BE CAPABLE OF OPERATION WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF WRIST TO OPERATE.EGRESS DOORS SHALL OPEN READILY FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.THE USE OF MACHINE SCREWS FOR CONTINUOUS HINGE ANCHORAGE IS REQUIRED. PROVIDE ADDITIONAL REINFORCING FOR THE HINGES IN THE FRAMES AND DOOR STILES.THE HARDWARE INSTALLER TO CONFIRM THAT ALL CLOSERS HAVE THE BACKCHECK VALVE SCREWED IN, FOR PARALLEL ARM INSTALLATIONS.					

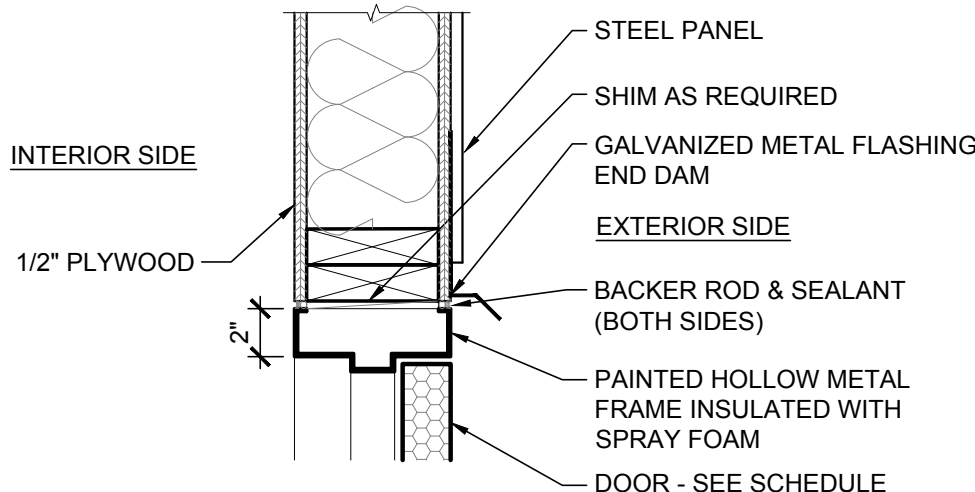
- RESTROOM ACCESSORIES SCHEDULE				
MARK	ACCESSORY	MANUFACTURER	SERIES / MODEL NUMBER	FINISH
1	42" GRAB BAR @ SIDE 36" GRAB BAR @ BACK	BRADLEY BRADLEY	8122-00142 8122-00136	STAINLESS STEEL SAFETY GRIP FINISH
2	TOILET TISSUE DISPENSER	BRADLEY	5424	SATIN STAINLESS STEEL
3	MIRROR - 24"x36"	BRADLEY	780-024360	SURFACE MOUNTED STAINLESS STEEL ANGLE-FRAME MIRROR
4	WALL-MOUNTED SOAP DISPENSER	BRADLEY	6562	SATIN STAINLESS STEEL
5	ELECTRIC HAND DRYER	GRAINGER	XLERATOR XL - SB	SATIN STAINLESS STEEL
6	SEAT COVER DISPENSER	BRADLEY	5831	SATIN STAINLESS STEEL
7	SANITARY NAPKIN DISPOSAL	BRADLEY	4722-15000	SATIN STAINLESS STEEL
8	COAT HOOK	BRADLEY	9114	SATIN STAINLESS STEEL
NOTES: <ul style="list-style-type: none">PROVIDE IN WALL BLOCKING AS REQUIRED FOR ATTACHMENT.REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL ROUGH INS.REFER TO SHEET G002 FOR ADDITIONAL MOUNTING HEIGHTS.				



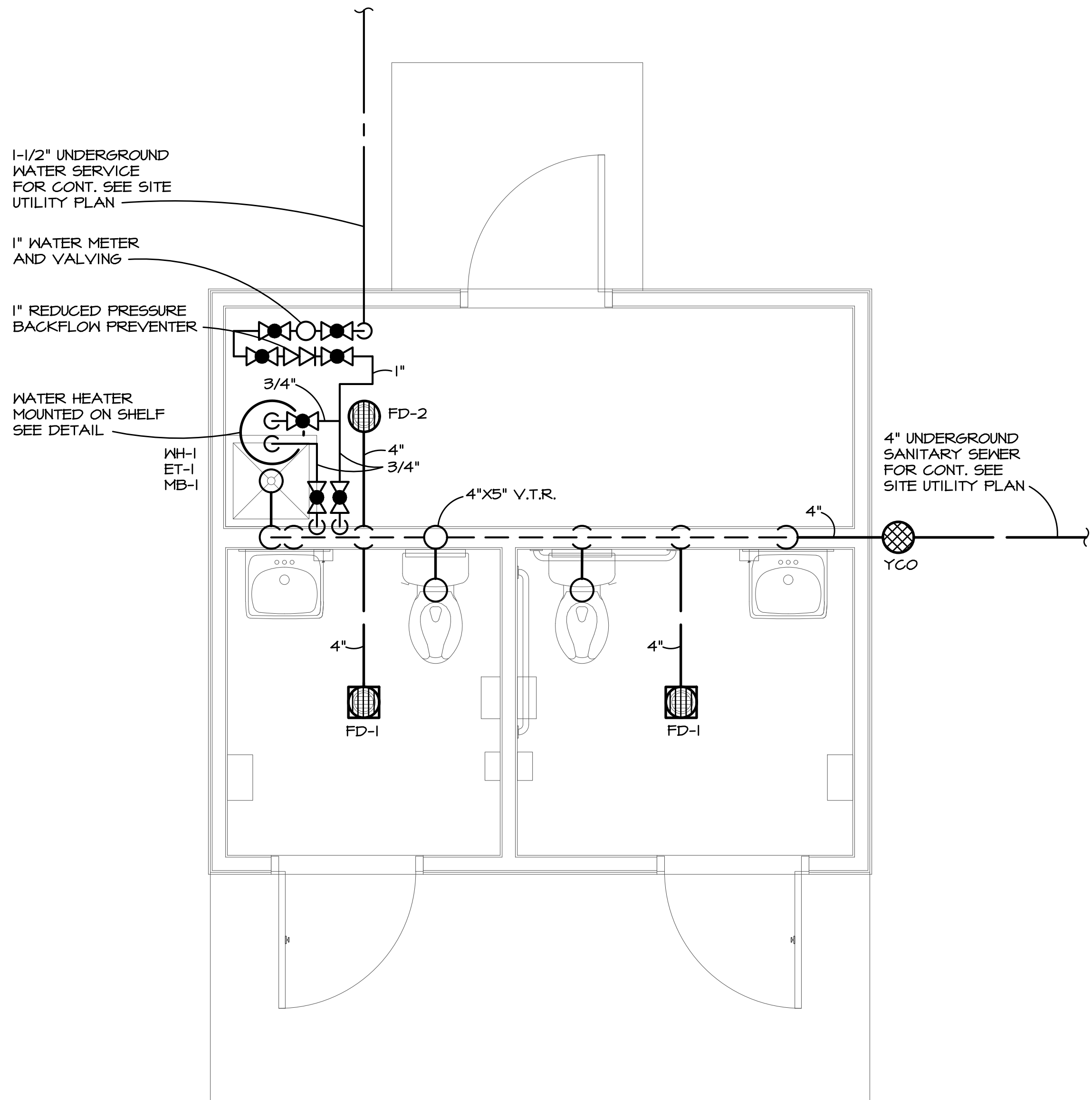
1 DOOR TYPES
SCALE: SCALE: 1/4" = 1'-0"



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



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



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

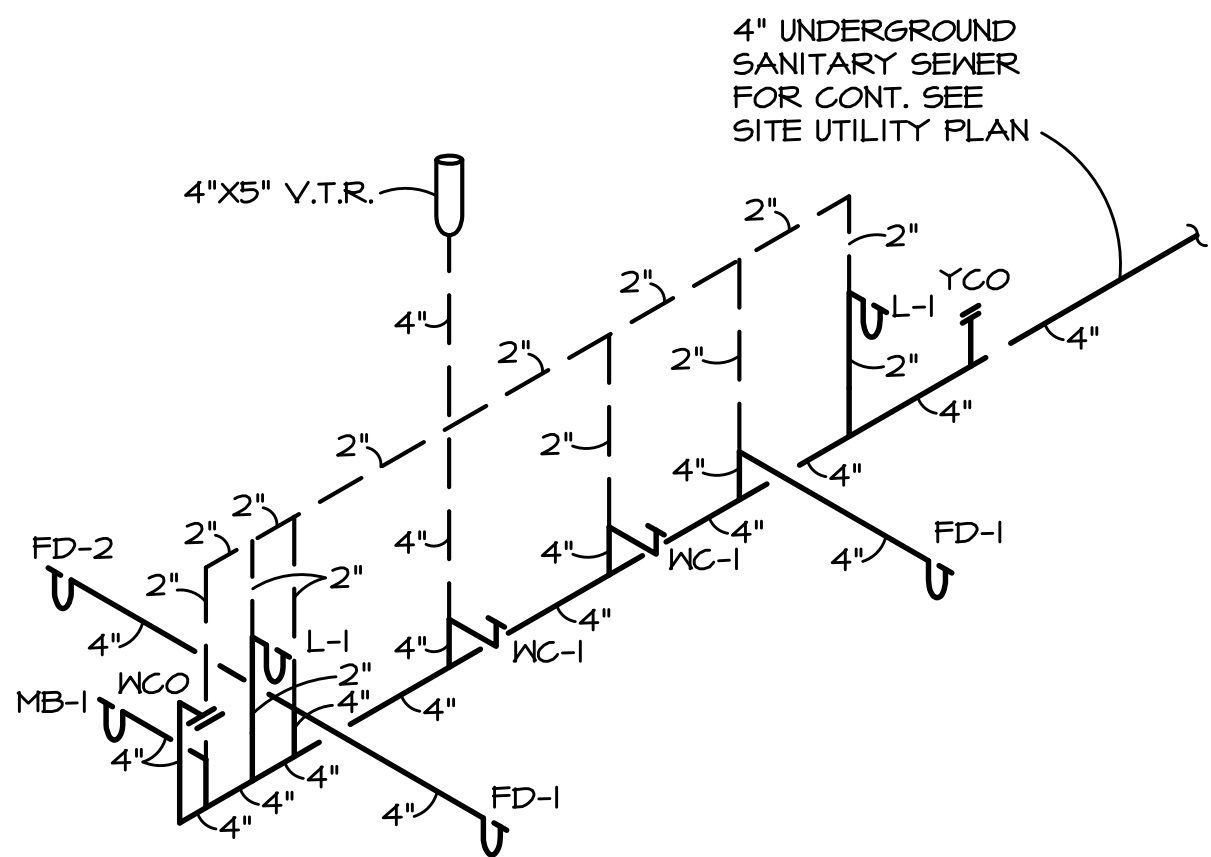


DIAGRAM-WASTE AND VENT PIPING

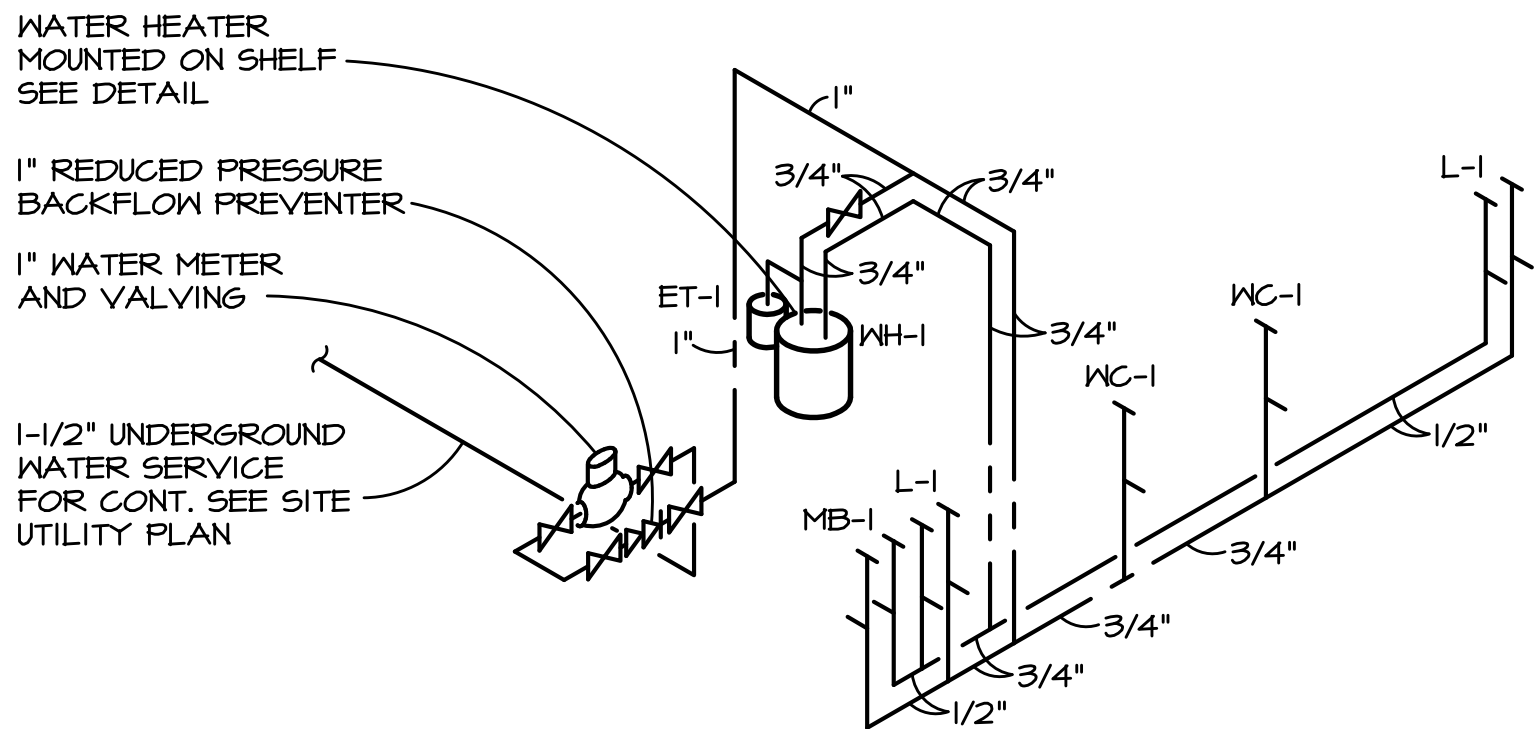


DIAGRAM-WATER PIPING

PLUMBING SPECIFICATIONS

THE GENERAL CONDITIONS AND SUPPLEMENTAL GENERAL CONDITIONS ISSUED BY THE ARCHITECT SHALL GOVERN WHERE APPLICABLE.

THIS CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE PLANS AND SHALL VERIFY EXISTING SITE CONDITIONS AT THE JOB SITE BEFORE SUBMITTING BID. FAILURE TO RECOGNIZE WORK REQUIRED SHALL BE AT THE EXPENSE OF THIS CONTRACTOR. NO CONSIDERATION SHALL BE GIVEN FOR ADDITIONAL COMPENSATION AFTER THE LETTING OF BIDS.

ENTIRE INSTALLATION SHALL BE PERFORMED IN A FIRST-CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIONAL; ACCEPTANCE BY THE OWNER SHALL BE A CONDITION OF THE CONTRACT. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES IN ORDER TO AVOID INTERFERENCES, PRESERVE MAXIMUM HEADROOM, AND AVOID OMISSIONS.

CONTRACTOR TO MAKE ALL NECESSARY TAPS, AS CALLED FOR ON THE DRAWINGS.

THIS CONTRACTOR SHALL REMOVE ALL DEBRIS ON A REGULAR BASIS AND UPON COMPLETION OF THE JOB AND CLEAN ALL FIXTURES.

COVER ALL HOT AND COLD LINES, ROOF DRAINS AND HORIZONTAL DOWNSPOUT PIPING, PIPE COVERING TO BE SHALL BE 3 1/2 LB. DENSITY FIBERGLASS WITH MOLDED FITTINGS AND BUTT JOINTS AND VAPOR BARRIER.

IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO START UP, ADJUST AND CHECK FOR PROPER OPERATION ALL EQUIPMENT INSTALLED UNDER HIS CONTRACT.

THIS CONTRACTOR SHALL ALLOW IN HIS INITIAL BID THE COST OF SERVICE ON ALL EQUIPMENT INSTALLED UNDER HIS CONTRACT FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE OF THE WORK.

ALL WATER PIPING SHALL BE TESTED WITH WATER UNDER PRESSURE OF 100 PSI FOR 10 MINUTES, AND MADE TIGHT AT THIS PRESSURE.

ALL SOIL, WASTE AND VENT PIPING SHALL BE SUBJECTED TO A HYDROSTATIC TEST OF NOT LESS THAN 10 FEET OF WATER COLUMN FOR 15 MINUTES BEFORE INSPECTION STARTS AND PROVEN TIGHT.

BEFORE TURNING PLUMBING SYSTEM OVER TO THE OWNER, CHLORINATE ALL DOMESTIC WATER PIPING FOR A PERIOD OF 24 HOURS. AFTER CHLORINATION HAS BEEN COMPLETED, FLUSH ALL PIPING UNTIL WATER RUNS CLEAR AND IS RESIDUAL CHLORINE FREE.

ALL BELOW GROUND WASTE, VENT AND STORM SEWER PIPING SHALL BE SERVICE WEIGHT CAST-IRON, ALL ABOVE GROUND WASTE, VENT AND STORM SEWER PIPING 3" AND LARGER SHALL BE SERVICE WEIGHT CAST-IRON, ALL WASTE VENT AND STORM SEWER PIPING 2" AND SMALLER SHALL BE GALVANIZED OR TYPE "K" COPPER. (SCHEDULE 40 PVC MAY BE USED ABOVE GRADE IF APPROVED BY THE THE LOCAL AUTHORITY) ALL BELOW GROUND WATER PIPING 3" AND LARGER SHALL BE DUCTILE-IRON, ALL BELOW GROUND WATER PIPING 2" AND SMALLER SHALL BE TYPE "K" COPPER, ALL ABOVE GROUND WATER PIPING SHALL BE TYPE "L" COPPER.

THE PLUMBING SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH STATE OF ILLINOIS PLUMBING CODE ALL REQUIREMENTS OF THE LOCAL CODES AND ORDINANCES

FIXTURE SCHEDULE

WC-1 "AMERICAN STANDARD" MODEL#T31AA.001 CHAMPION 4 RIGHT HIEGHT FLOOR SET TANK TYPE ADA COMPLIANT WATER CLOSET, VITREOUS CHINA, HIGH-EFFICIENCY (1.6 GPF), EVERCLEAN SURFACE INHIBITS THE GROWTH OF BACTERIA, MOLD AND MILDEW, ELONGATED BOWL, POWERFUL DIRECT-FED SIPHON JET ACTION,

"BEMIS" MODEL #2155C WATER CLOSET SEAT. SEAT SHALL CONTAIN DURAGUARD, AN ANTIMICROBIAL AGENT. SEAT SHALL BE HEAVY WEIGHT AND INJECTION MOLDED OF SOLID PLASTIC. SEAT SHALL BE OPEN FRONT LESS COVER FOR ELONGATED BOWL AND FEATURE LARGE MOLDED-IN BUMPERS, EXTERNAL CHECK HINGES TO FEATURE 300 SERIES STAINLESS STEEL POSTS THAT STOP SEAT 11 DEGREES BEYOND VERTICAL.

L-1 "AMERICAN STANDARD" MODEL# 0355.012 LUCERNE LAVATORY, WALL-HUNG, VITREOUS CHINA, FRONT OVERFLOW, D-SHAPED BOWL, SELF-DRAINING DECK AREA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS, FAUCET LEDGE, FAUCET HOLES ON 4" CENTERS AND WALL HANGER. (MOUNT RIM 34" AFF)

"JAY R SMITH" MODEL #0100 LAVATORY SUPPORT.

"SLOAN" MODEL #EBF-650-4-BDT CHROME PLATED BRASS, SENSOR ACTIVATED, 4" CENTER-SET ELECTRONIC HAND WASHING FAUCET (SET TEMPERATURE SHALL NOT EXCEED 110 DEGREES F)

"MCGUIRE" MODEL #PW2125WCPRO SEAMLESS PRE-WRAPPED ADJUSTABLE CAST BRASS P-TRAP KIT WITH PRE-WRAPPED PRO-DRAIN OFFSET GRID STRAINER. KIT ALSO INCLUDES SUPPLY COVERS.

PROVIDE CHROME-PLATED ANGLES STOPS, ESCUTCHEONS AND RISER TUBES.

MB-1 MOP BASIN "FIAT" #TSBC6011 TERRAZZO BASIN WITH INTEGRAL DRAIN BODY AND "FIAT" 830-AA SERVICE FAUCET FITTING WITH VACUUM BREAKER, HOSE THREAD SPOUT AND INTEGRAL STOPS

EQUIPMENT SCHEDULE

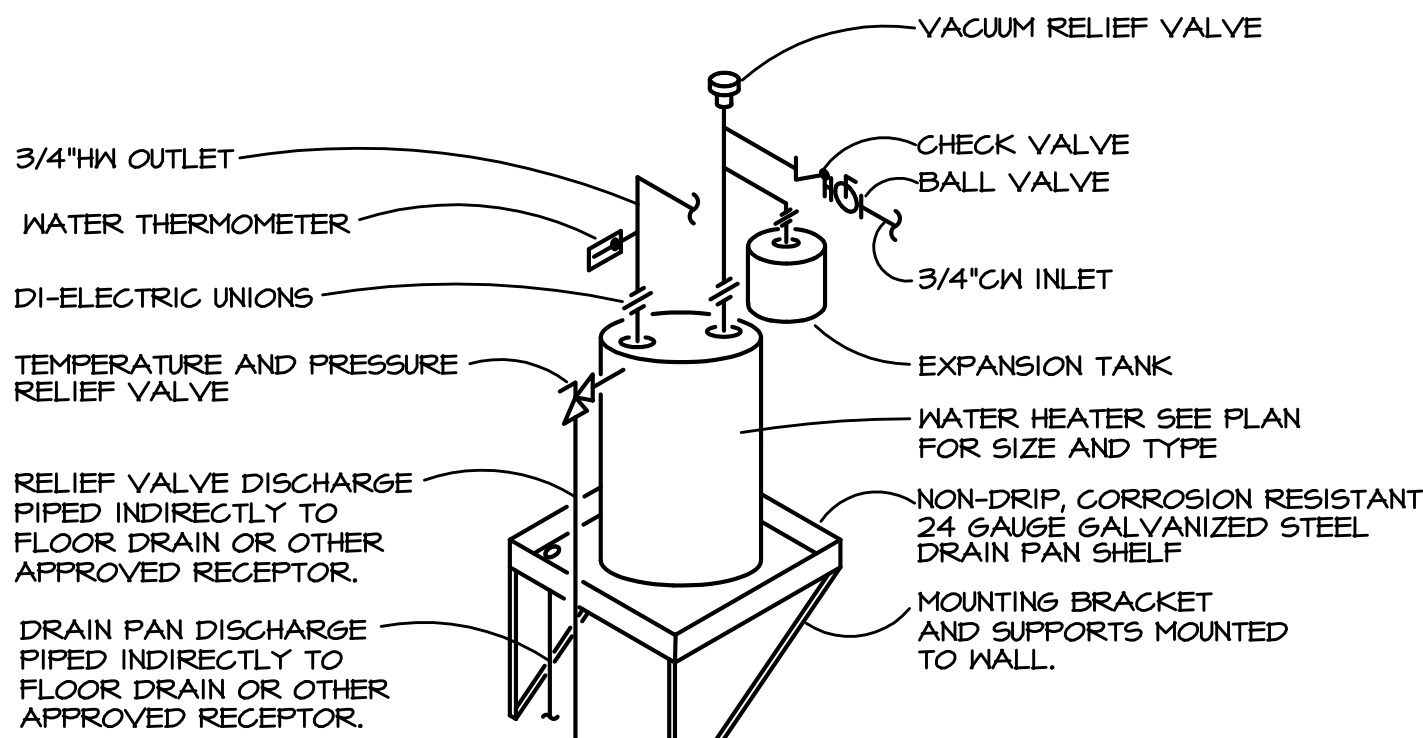
WH-1 ELECTRIC WATER HEATER WITH MOUNTING SHELF, "A.O. SMITH" #E6-12C155V, 12 GALLON, 1500 W, 120 V, 1 PHASE, A RECOVERY RATE OF 9 GPH AT A 90° F. TEMPERATURE RISE, TEMPERATURE AND PRESSURE RELIEF VALVE (MOUNT ON SHELF ABOVE MB)

ET-1 EXPANSION TANK "AMTROL" #ST-5

PLUMBING SYMBOLS

NOT ALL SYMBOLS MAY APPLY

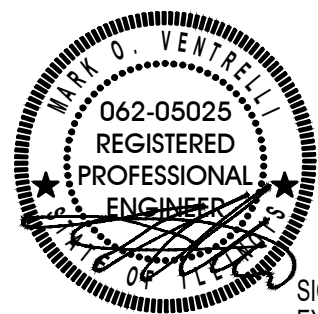
---	EXISTING COLD WATER PIPING
----	EXISTING HOT WATER PIPING
-----	EXISTING HOT WATER RETURN PIPING
- - - - -	EXISTING UNDERGROUND SEWER
- - - - -	EXISTING SUSPENDED SEWER
- - - - -	EXISTING VENT PIPING
----	COLD WATER PIPING (INSULATED)
----	HOT WATER PIPING (INSULATED)
----	HOT WATER RETURN PIPING (INSULATED)
----	TEMPERED WATER PIPING (INSULATED)
----	TEMPERED WATER RETURN PIPING (INSULATED)
----	UNDERGROUND SEWER
----	SUSPENDED SEWER
----	DRAIN TILE
----	VENT PIPING
----	UNION
CO	CLEANOUT PLUG
WCO	WALL CLEANOUT PLUG ("MI-FAB" #C1430-RD)
FCO-1	FLOOR CLEANOUT ("MI-FAB" #C1200-C-S-3)
FCO-2	FLOOR CLEANOUT ("MIFAB" #C1000-R-3)
YCO	YARD CLEANOUT ("MI-FAB" #C1100-XR)
FD-1	FLOOR DRAIN ("MI-FAB" #F100X-C-S-3)
FD-2	FLOOR DRAIN ("MI-FAB" #F1320-TFB-4)
FD-3	FLOOR FUNNEL DRAIN ("MI-FAB" #F1100-C-EF-3)
OSD	OPEN SITE DRAIN
AD	AREA DRAIN ("MI-FAB" #F1820-B1)
FS	FLOOR SINK ("MI-FAB" #FS120-ISO-1-3) W/ 1/2 GRATE & SEDIMENT BUCKET
RD	ROOF DRAIN ("MI-FAB" #R1200-M-U-12)
OD	OVERFLOW ROOF DRAIN ("MI-FAB" #R1200-M-U-12)
DSN	DOWNSPOUT NOZZLE ("MI-FAB" #R1940-B3-1)
GV	GATE VALVE ("NIBCO" #T-131)
BV	BALL VALVE ("NIBCO" #580-10)
BV	BALANCING VALVE ("NIBCO" #51710)
CV	CHECK VALVE ("NIBCO" #433)
BFP	BACKFLOW PREVENTER ("MATT'S" SERIES SD-3)
SC	FROSTPROOF SILLCOCK ("WOODFORD" #B61)
HB	HOSE BIBB ("WOODFORD" #24F)
RSC-1	ROOF FROSTPROOF SILLCOCK ("WOODFORD" #SRH-M5)
YH	YARD HYDRANT ("WOODFORD" #S4H-S-O)
TD	TRENCH DRAIN ("MIFAB" #T-1400-PGV-4-3 STAINLESS STEEL FRAME AND GRATE, "MI-FAB" #T1400-CB-620-PGV-4-3 CATCH BASIN)
P	STACK OR RISER DESIGNATION



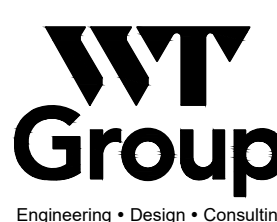
NOTE:

- 1) ALL DISCHARGE PIPING SHALL BE OF METALLIC MATERIAL.
- 2) FLOOR DRAIN TRAP SHALL BE DEEP SEAL OR FED BY PRIMING DEVICE.
- 3) ALL RELIEF VALVE AND DRAIN PAN DISCHARGE PIPING TERMINATING ABOVE A FLOOR DRAIN LOCATED IN A BATHROOM SHALL BE FURNISHED AND INSTALLED WITH A CHROME PLATED ELBOW AND ESCUTCHEON.

DETAIL-ELECTRIC WATER HEATER MOUNTED ON SHELF



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BRIDGES TOP TRACER BATHROOM UTILITIES
1400 POPLAR CREEK DRIVE
HOFFMAN ESTATES, IL 60169

project no. C22000007
date: 03.01.2022 BID
revision 1:
revision 2:
revision 3:
revision 4:
checked: A/N
drawn: P/M

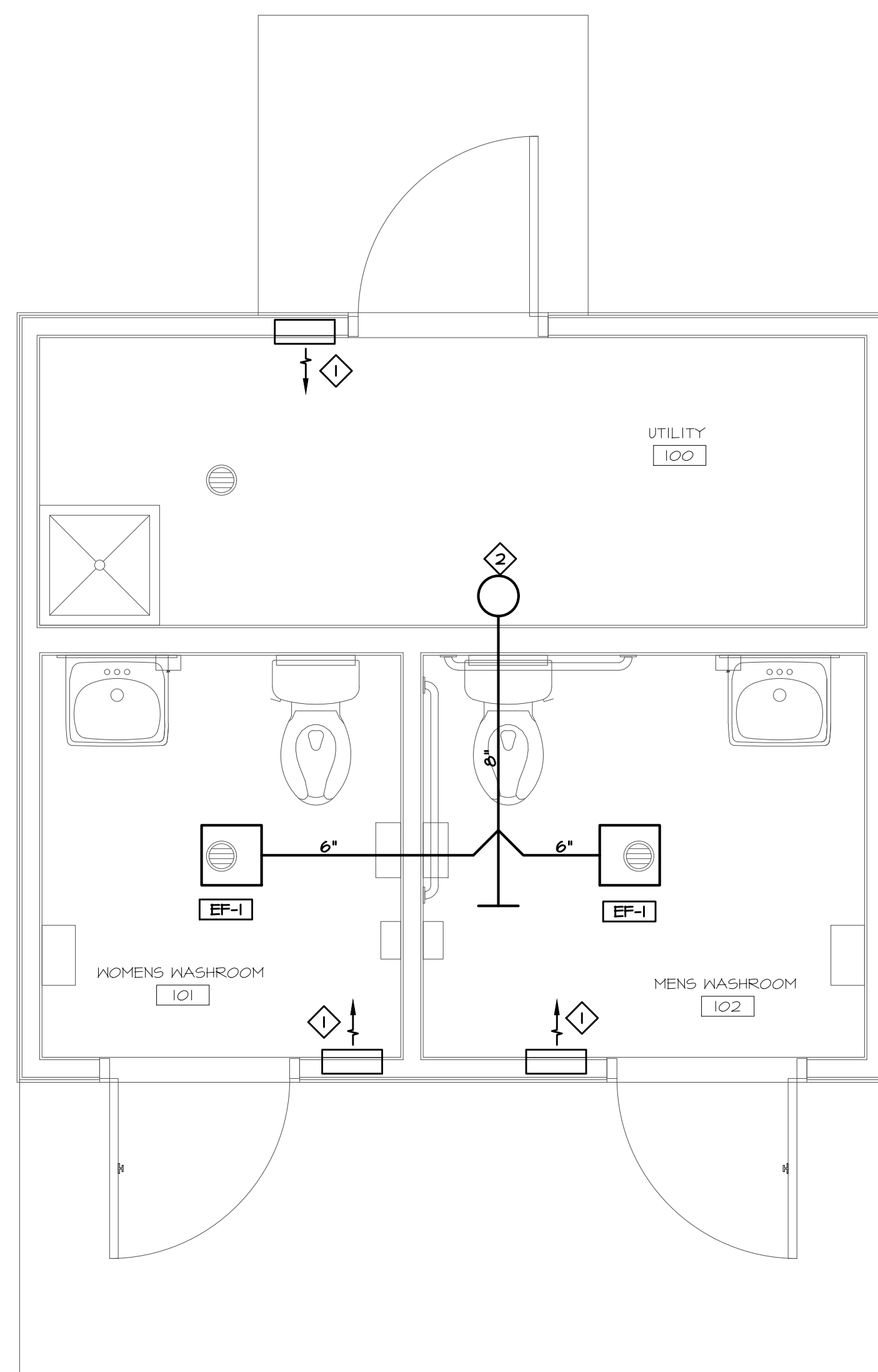
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PLUMBING PLAN AND
DETAILS

sheet number:

P1.1

ARCHITECTS





PLAN KEYED NOTES

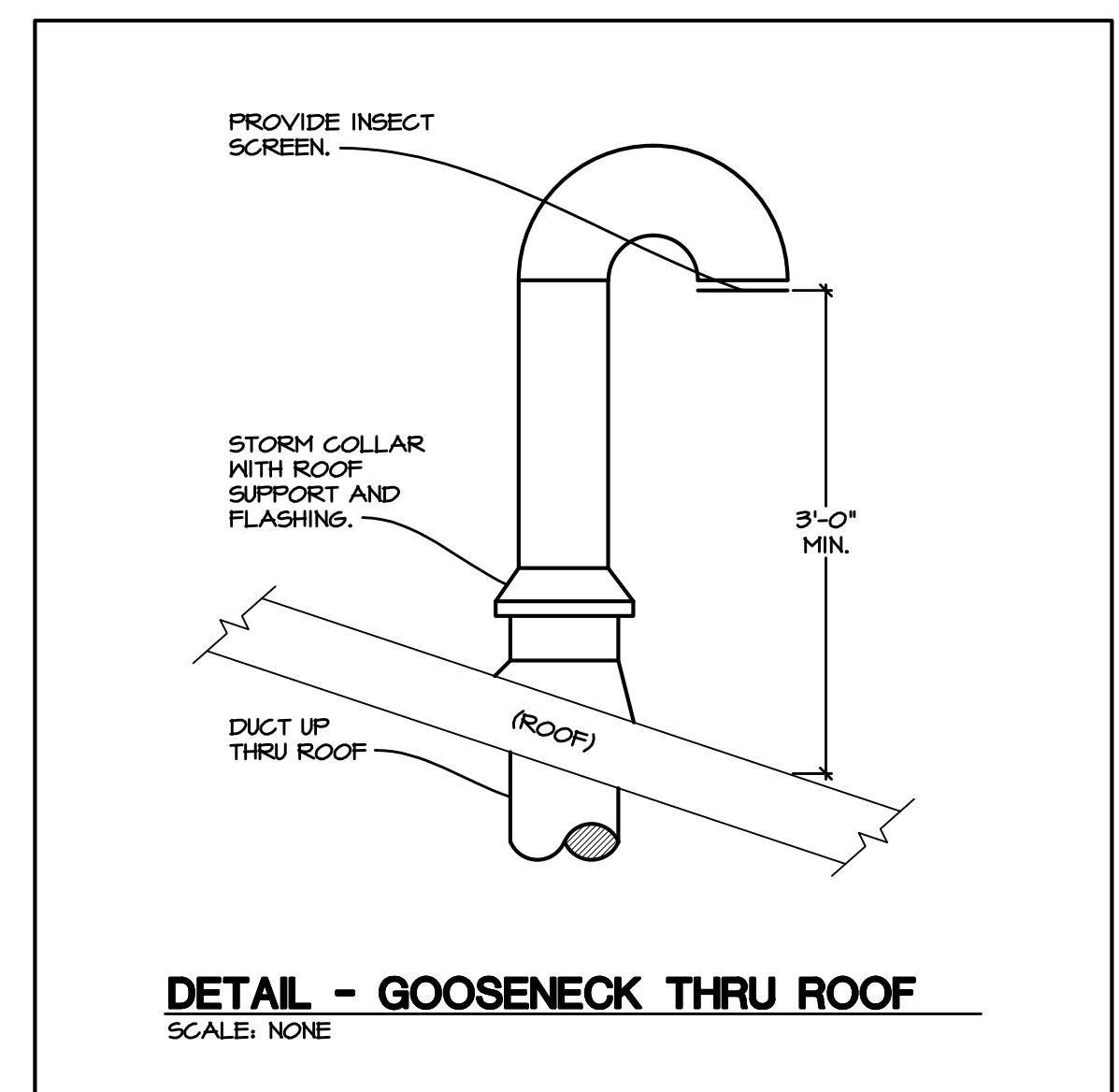
1 750 WATT ELECTRIC WALL HEATER FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

2 8" EXHAUST UP THRU ROOF WITH GOOSENECK TERMINATION.

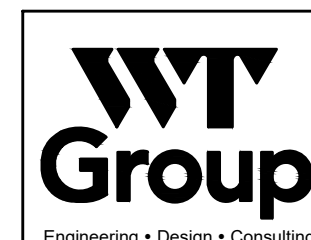
① MECHANICAL PLAN
1/2" = 1'-0"

EXHAUST FAN SCHEDULE											
ITEM TAG	MANUFACTURER AND MODEL NUMBER	CFM	ESP	ELECTRICAL DATA			CONTROLLED VIA	DAMPER TYPE	AREA SERVING	UNIT WEIGHT (LBS)	REMARKS
				VOLT-PH-HZ	HP OR NOTED	RPM					
EF-1	"PANASONIC" #FV-0510VSL1	80	0.25"	120-1-60	0.25 AMPS	1176	OCCUPANCY SENSOR	BACKDRAFT	TOILETS	12	ALL
REMARKS: 1. FAN / LIGHT COMBO 2. VERIFY EXACT VOLTAGE PRIOR TO ORDERING EQUIPMENT. 3. ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCH AND LINE WIRING.											

VENTILATION SCHEDULE													
ROOM TAG	ROOM NAME OCCUPANCY CLASSIFICATION	ROOM AREA (SQFT)	NUMBER OF OCCUPANTS OR FIXTURES	TABLE REQUIREMENTS		ZONE AIR DIST. EFFECT.	REQUIRED SPACE VENTILATION		ACTUAL SPACE VENTILATION			SERVED BY	
				(CFM / OCC.)	(CFM / SQFT)		O.A (CFM)	EXHAUST (CFM)	SUPPLY (CFM)	O.A. (CFM)	EXHAUST (CFM)	SUPPLY	EXHAUST
		65	0	0	0	0.8	0	NR	0	0	-		-
101	WOMENS WASHROOM	40	1	0	0	0.8	0	70	0	0	80		EF-1
102	MENS WASHROOM	49	1	0	0	0.8	0	70	0	0	80		EF-1



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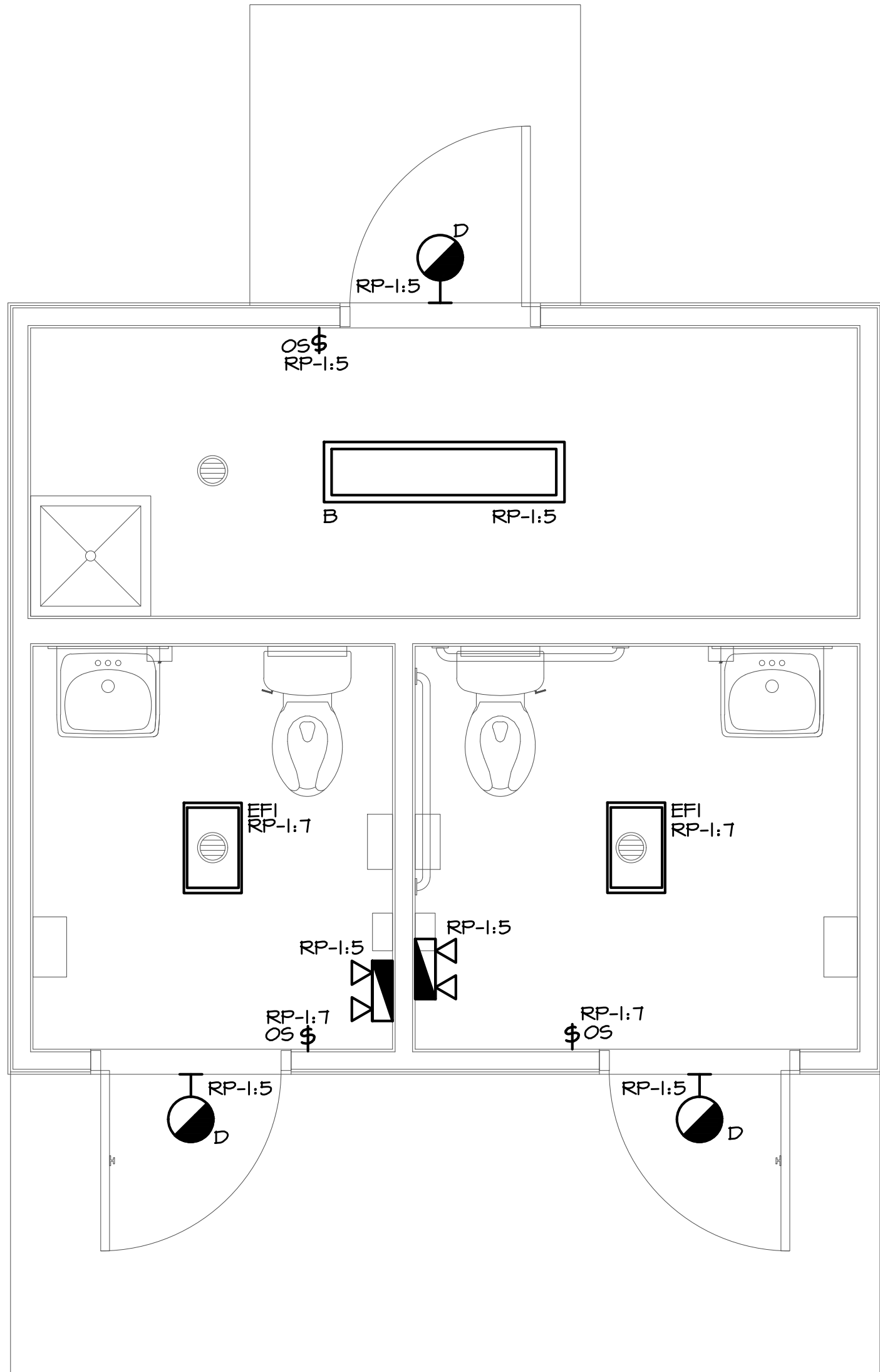
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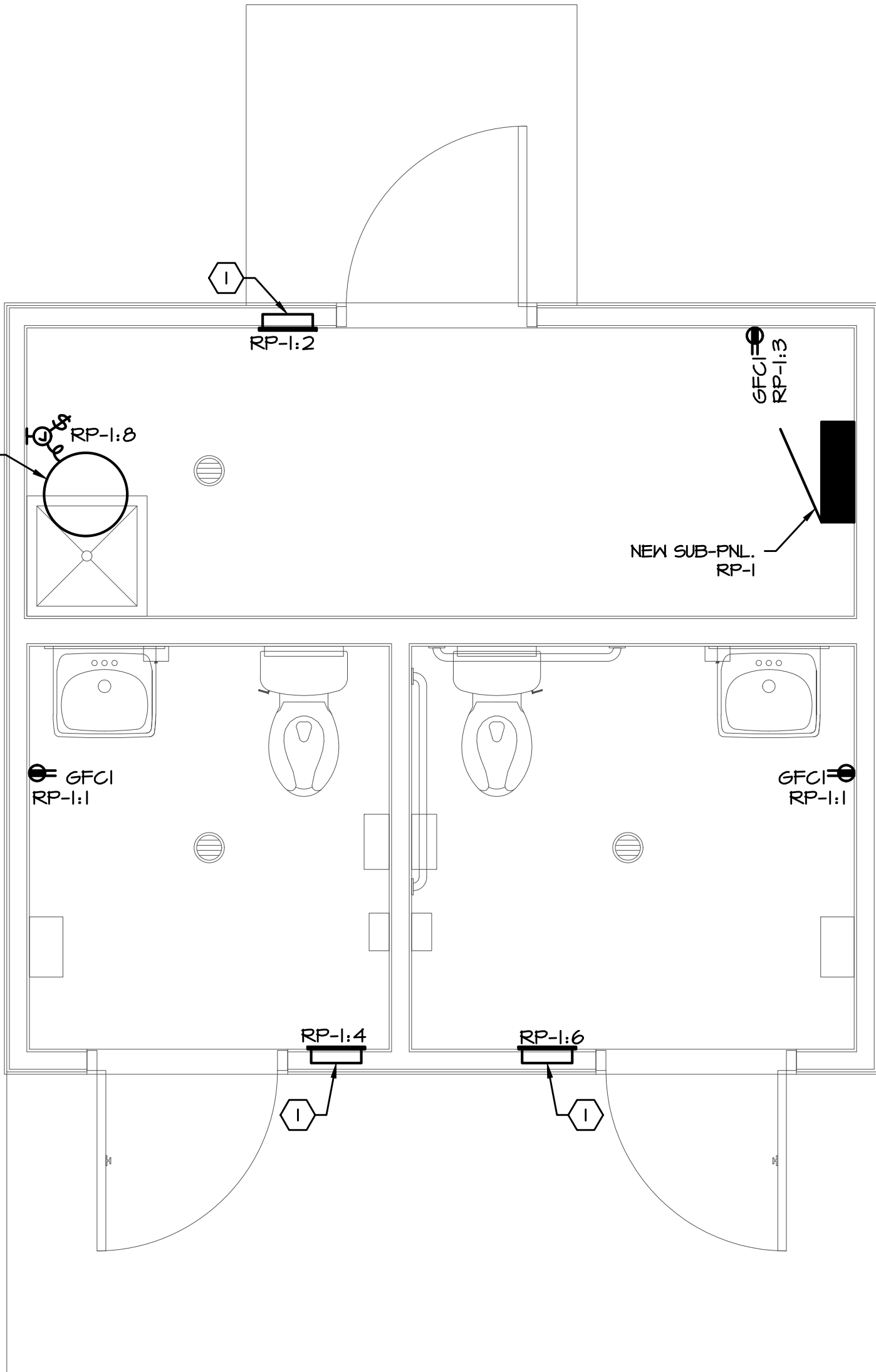
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**MECHANICAL PLAN
AND SCHEDULES**

M1.1



2 ELECTRICAL LIGHTING PLAN
1/2" = 1'-0"



1 ELECTRICAL POWER PLAN
1/2" = 1'-0"

KEYED NOTES

1. ELECTRICAL UNIT HEATER 1500/750W WITH BUILD IN THERMOSTAT AND DISCONNECT SWITCH. MARKEL: E3035, 120V, 12.6/6.25A

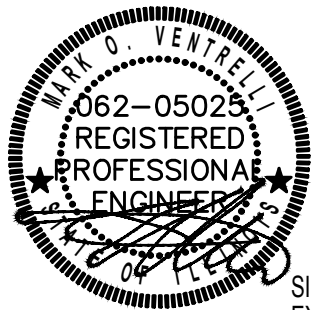
LIGHTING CONTROL NOTES:

- OS \$ DUAL-TECH WALLBOX SENSOR (WIRED: 120/277V), #ONM-D-1001-MV-N, MOTOR LOAD: 1/4HP RATED @ 125VAC (NEUTRAL REQUIRED) CONFIGURE FOR AUTO ON / AUTO OFF FUNCTIONALITY

LIGHTING FIXTURE SCHEDULE					
TYPE	DESCRIPTION & FEATURES	LAMPS		VOLT	SPECIFIED MANUFACTURER AND CATALOG NUMBER
		QTY.	TYPE		
EF1	LED LIGHT & EXHAUST FAN		10W LED	RECESSED	120 PANASONIC: FV-OS10VSLI
B	4'-0" LED WRAPAROUND W/BUILT-IN EMERGENCY BATTERY BACK-UP		34.9W LED	SURFACE	120 LITHONIA #STL4-48L-EZI-LP830
D	EXTERIOR CYLINDER		14W LED	SURFACE	120 LITHONIA-OLLIND LED P1 40K MVOLT DDB
EV	EMERGENCY BATTERY LIGHT		LED	WALL	UNV. COOPER SURE-LITES: SELMTG SERIES SELMTR66OR56D

NOTES:

1. THE FIXTURE SCHEDULE DOES NOT NECESSARILY LIST ALL ACCESSORIES AND HARDWARE NECESSARY FOR THE COMPLETION OF INSTALLATION, NOR DOES IT DETAIL THE CEILING CONSTRUCTION TO BE ENCOUNTERED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY DETERMINE AND PROVIDE CORRECT COMPONENTS, ACCESSORIES, AND HARDWARE AS REQUIRED FOR THE INSTALLATION.
2. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS AND CEILING CONTRACTOR FOR EXACT LIGHTING FIXTURE LOCATION.
3. ALL BATTERY BACK-UP EMERGENCY LIGHT AND EXIT SIGN LIGHTING FIXTURES INDICATED SHALL HAVE BATTERY BACK-UP RATED FOR 1-1/2 HOURS MINIMUM AND AS APPROVED BY LOCAL FIRE PREVENTION BUREAU.



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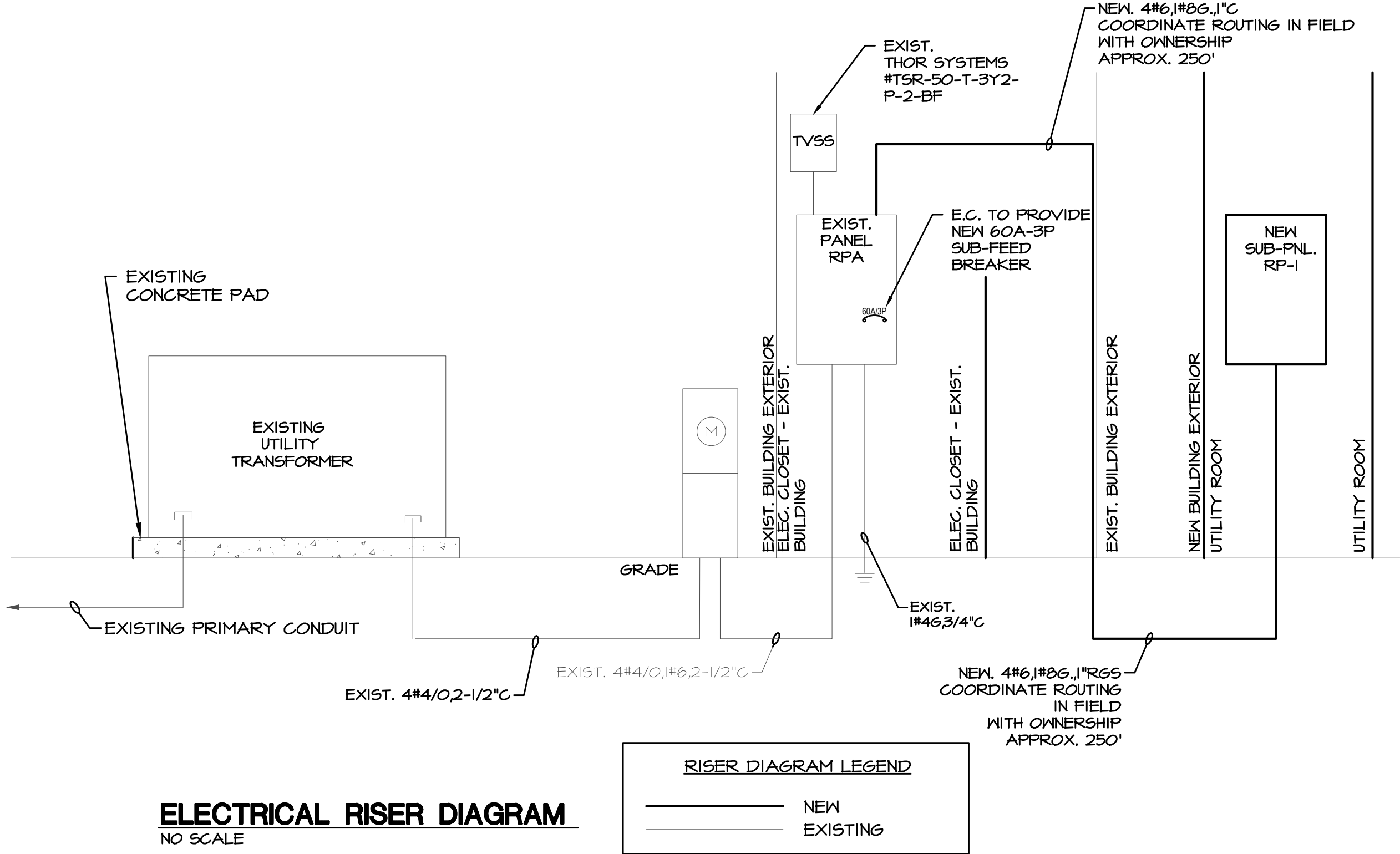
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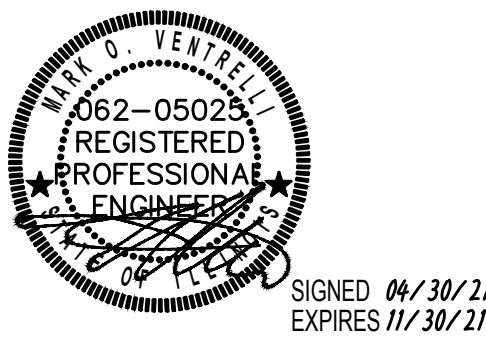
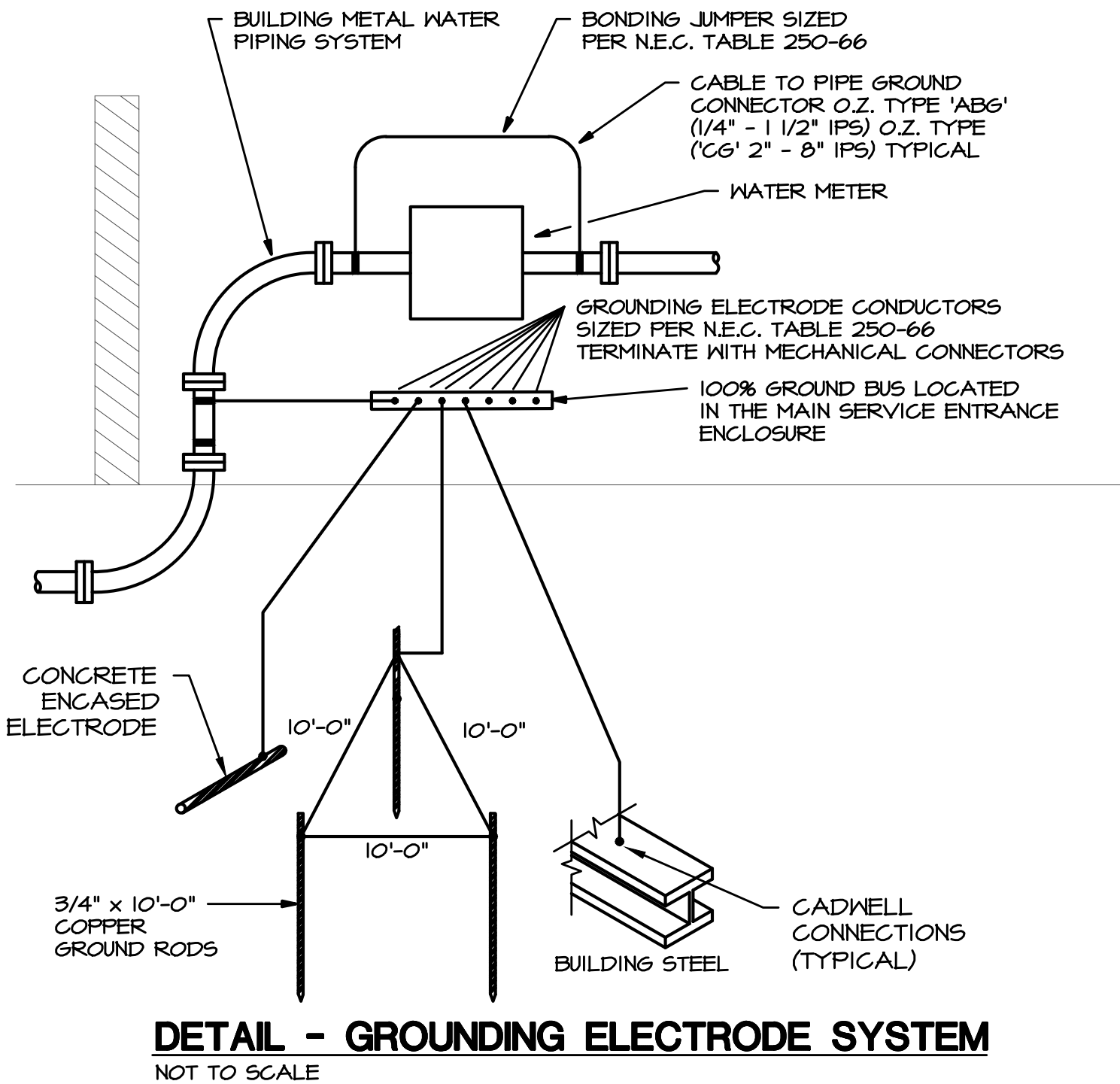
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ELECTRICAL PLANS

sheet number:
E1.1

PANEL			RPA		VOLTS		120/208		PHASE		3Ø4W		
AMPS			225		MAIN		SERVICE RATED 200A/3P M.C.B.		A.I.C.		10,000		
LOCATION			UTILITY ROOM				MOUNTING				SURFACE		
CIRCUIT	POLE	TRIP	DESCRIPTION			KVA	KVA	DESCRIPTION			TRIP	POLE	CIRCUIT
1	1	20	TV DISPLAYS			1.08	1.08	GENERAL OUTLETS			20	1	2
3	1	20	TV DISPLAYS			1.08		SPARE			20	1	4
5	1	20	GOLF DISPLAY			0.50	0.40	GENERAL OUTLETS			20	1	6
7	1	20	GOLF DISPLAY			0.50	0.36	RECEPTION OUTLETS			20	1	8
9	1	20	GOLF TRACKING SENSORS			0.20	0.20	FACP			20	1	10
11	2	30	ELECTRIC UNIT HEATER - UTILITY RM			9.30	1.00	GOLF SERVER			20	1	12
13							0.36	TTB			20	1	14
15	1	20	FIRE PIT POWER			0.20		SPARE			20	1	16
17	1	20	RADIANT HEATERS			0.60		SPARE			20	1	18
19	1	20	RADIANT HEATERS			0.50		NEW SUB-PNL. RP-1			60		20
21	1	20	SPARE										22
23	1	20	SPARE								3		24
25	1	20	SPARE					SPARE			20	1	26
27	1	20	SPARE					SPARE			20	1	28
29	1	20	SPARE					SPARE			20	1	30
31	1	20	SPARE					SPARE			20	1	32
33	1	20	SPARE					SPARE			20	1	34
35	1	20	SPARE					SPARE			20	1	36
37	1	20	SPARE					SPARE			20	1	38
39	1	20	SPARE					SPARE			20	1	40
41	1	20	SPARE					SPARE			20	1	42
43	1	20	SPARE					SPARE			20	1	44
45	1	20	SPARE					SPARE			20	1	46
47	1	20	SPARE					SPARE			20	1	48
49	1	20	SPARE					SPARE			20	1	50
51	1	20	SPARE				0.25	PHOTOCELL/TIMER			20	1	52
53	1	20	SPARE				0.50	INTERIOR LIGHTING			20	1	54
55	3	30	TVSS				0.58	EXTERIOR LIGHTING			20	1	56
57							0.54	INTERIOR LIGHTING			20	1	58
59							0.21	INTERIOR PADDLE FANS			20	1	60
* INDICATES GFCI C/B						TOTAL = 7.96 6.04		= TOTAL					
								TOTAL KVA = 14.00		TOTAL AMPS = 38.8			



NEW SUB-PANEL:											
VOLTAGE: 120/208V, 3PH, 4W., W GND.											
MAINS: 60A MCB											
				MOUNTING: SURFACE				REMARKS: GROUND BAR			
		CIRCUIT BREAKER	LOAD WATTS			Circuit #	LOAD WATTS			CIRCUIT BREAKER	CIRCUIT USE
		A% <u>%</u> C	B% <u>%</u> C			A% <u>%</u> C	B% <u>%</u> C				
CIRCUIT USE											
GFCI		20A/1P	N	360		1	2	1500		N	20A/1P UNIT HTR
GFCI		20A/1P	N		180	3	4		1500	N	20A/1P UNIT HTR
LIGHTS		20A/1P	N			5	6			N	20A/1P UNIT HTR
SPARE		20A/1P	N	1220		7	8	1500		N	20A/1P EWH
						9	10				
						11	12				
				1,580	180	300		3,000	1,500	1,500	
N = NEW C.B. E = EXISTING C.B., NO CHANGE R = EXISTING C.B., REWORKED * = BREAKERS W/ HANDLE TIE											
				TOTAL CONNECTED WATTS:				CONNECTED AMPS:		22.37	
				TOTAL DEMAND WATTS:				DEMAND AMPS:		0.00	



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ELECTRICAL SPECIFICATIONS

THE GENERAL CONDITIONS AND SUPPLEMENTAL GENERAL CONDITIONS BY THE ARCHITECT SHALL GOVERN WHERE APPLICABLE.

THIS CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE PLANS AND SHALL VERIFY EXISTING SITE CONDITIONS AT THE JOB SITE BEFORE SUBMITTING BID. FAILURE TO RECOGNIZE WORK REQUIRED SHALL BE AT THE EXPENSE OF THIS CONTRACTOR. NO CONSIDERATION SHALL BE GIVEN FOR ADDITIONAL COMPENSATION AFTER THE LETTING OF BIDS.

ENTIRE INSTALLATION SHALL BE PERFORMED IN A FIRST-CLASS WORKMANLIKE MANNER AND SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES. THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIONAL; ACCEPTANCE BY THE OWNER SHALL BE A CONDITION OF THE CONTRACT. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES IN ORDER TO AVOID INTERFERENCE'S, PRESERVE MAXIMUM HEADROOM, AND AVOID OMISSIONS. ALL MATERIALS, WORKMANSHIP AND EQUIPMENT SHALL BE GUARANTEED FOR ONE (1) YEAR AFTER SYSTEM ACCEPTANCE.

RECEPTACLES AND SWITCHES SHALL BE THE TYPE AS SHOWN ON THE DRAWINGS AND SHALL BE SPECIFICATION GRADE.

MINIMUM BRANCH WIRE SIZE SHALL BE #12 AWG COPPER EXCEPT FOR CONTROL AND SIGNAL CIRCUITS. INSULATION (INTERIOR) SHALL BE SOLID TYPE THHN OR THWN SIZES #12 THROUGH #10, SIZES #8 THROUGH #50 MCM SHALL BE STRANDED TYPE THHN OR THWN AT THE CONTRACTOR'S OPTION.

MINIMUM OUTLET BOXES SHALL BE 4" SQUARE, UNLESS OTHERWISE SPECIFIED.

CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS BUT SHALL CONTACT THE PROJECT ARCHITECT FOR ALL DIMENSIONAL DATA AND SHALL VERIFY EXACT LOCATION AND MOUNTING HEIGHTS OF ALL OUTLETS WITH ARCHITECT AND/OR OWNER PRIOR TO INSTALLATION.

GROUNDING SHALL COMPLY WITH REQUIREMENTS OF ALL APPLICABLE CODES.

ALL MATERIALS USED SHALL BE NEW AND BEAR THE UL LABEL AND BE OF THE APPROPRIATE NEMA STANDARD.

THIS CONTRACTOR SHALL ALLOW IN HIS INITIAL BID THE COST OF SERVICES ON ALL EQUIPMENT INSTALLED UNDER HIS CONTRACT FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE OF THE WORK.

LAYOUT IS DIAGRAMMATIC AND WORK SHALL BE INSTALLED TO MEET FIELD CONDITIONS AND EQUIPMENT SELECTED. PROVIDE SHOP DRAWINGS AS REQUIRED AND VERIFY ALL EQUIPMENT.

PANELBOARDS SHALL BE DEAD FRONT WITH BOLT-ON TYPE CIRCUIT BREAKERS W/CU BUS. A TYPED LEGEND, UNDER A CLEAR PLEXAN-GLASS SHALL BE PROVIDED FOR CIRCUIT IDENTIFICATION.

CONTRACTOR SHALL INCLUDE ALL MISCELLANEOUS ITEMS REQUIRED TO COMPLETE THE WORK.

CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND REQUIRED INSPECTION FEES.

IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE AND REVIEW THE ELECTRICAL CHARACTERISTICS, AMPACITY AND OTHER REQUIREMENTS OF ALL EQUIPMENT PRIOR TO INSTALLATION.

IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE THE LOCATIONS OF CONDUIT ROUTING, EQUIPMENT, LIGHTING, ETC. WITH ALL OTHER TRADES IN THE FIELD PRIOR TO INSTALLATION.

THE ENTIRE INSTALLATION OF ALL COMPONENTS OF THIS PROJECT SHALL COMPLY WITH ALL FEDERAL ADA REQUIREMENTS. VERIFY EXACT LOCATIONS AND HEIGHTS OF ALL FIXTURES AND OUTLETS BEFORE INSTALLATION TO INSURE COMPLIANCE WITH FEDERAL REGULATIONS.

FOR CLARITY OF ALL PLANS, SOME CONDUIT AND WIRE HAS NOT BEEN SHOWN. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO FURNISH AND INSTALL COMPLETE AND OPERATING SYSTEMS INCLUDING ALL CONDUIT AND WIRING.

FOR ALL NIGHT LIGHTING, EXIT SIGNS AND BATTERY POWERED EMERGENCY LIGHTING CIRCUITS, THIS CONTRACTOR SHALL USE #10 AWG FOR THE ENTIRE CIRCUIT LENGTH UNLESS INDICATED OTHERWISE.

THIS CONTRACTOR SHALL MAINTAIN THE FIRE RATED INTEGRITY OF ALL FLOORS, CEILINGS AND WALLS. ALL PENETRATIONS THROUGH FIRE RATED BUILDING ELEMENTS SHALL BE EFFECTIVELY SEALED USING APPROVED MATERIALS AND METHODS. ALL LIGHTING FIXTURES MOUNTED IN FIRE RATED CEILINGS SHALL MAINTAIN THE INTEGRITY OF THE FIRE RATED CEILINGS USING APPROVED MATERIALS AND METHODS. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATINGS.

THIS CONTRACTOR SHALL INSPECT THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS TO DETERMINE HIS ENTIRE SCOPE OF WORK. THIS CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND EXTENT OF DEMOLITION AND NEW WORK FOR THIS PROJECT PRIOR TO SUBMITTING HIS BID.

THE ELECTRICAL INSTALLATION IS TO BE IN STRICT ACCORDANCE WITH THE APPLICABLE RULES AND REGULATIONS OF ALL LOCAL, STATE AND FEDERAL ELECTRICAL CODES AND THE LOCAL UTILITY COMPANY REQUIREMENTS OR ANY OTHER AUTHORITIES HAVING LAWFUL JURISDICTION.

ALL SITE UNDERGROUND BRANCH CIRCUIT WIRING IN CONDUIT SHALL BE TYPE THWN OR XHHW.

ALL EXPOSED TO THE WEATHER CONDUIT SHALL BE HEAVYWALL, GALVANIZED RIGID STEEL 'RGs' OR INTERMEDIATE METAL CONDUIT 'IMC', MINIMUM SIZE 3/4".

ALL UNDERFLOOR, UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC, MINIMUM SIZE 3/4". PVC CONDUIT ROUTED UNDERFLOOR, UNDERGROUND SHALL BE TRANSITION TO HEAVYWALL GALVANIZED RIGID STEEL 'RGs' OR INTERMEDIATE METAL CONDUIT 'IMC' PRIOR TO GRADE.

ALL WIRE SHALL BE INSTALLED IN THINWALL, ELECTRICAL METALLIC TUBING (EMT) CONDUIT UNLESS OTHERWISE NOTED. MINIMUM SIZE SHALL BE 3/4" FOR BRANCH CIRCUIT WIRING, DROPS TO SWITCHES AND BRANCH DEVICES MAY BE 1/2" UNLESS OTHERWISE NOTED ON DRAWINGS. ALL THINWALL FITTINGS SHALL BE OF THE STEEL COMPRESSION GLAND TYPE PER ALL APPLICABLE CODE REQUIREMENTS. ALL CONDUITS SHALL BE CONCEALED WHERE POSSIBLE, WHERE EXPOSED, THIS CONTRACTOR SHALL RUN CONDUITS IN STRAIGHT LINES PARALLEL AND/OR PERPENDICULAR TO THE BUILDING CONSTRUCTION. CONDUITS INSTALLED IN AREAS SUBJECT TO MECHANICAL DAMAGE SHALL BE RIGID GALVANIZED, OR INTERMEDIATE METAL TYPE.

THIS CONTRACTOR SHALL PROVIDE ALL TEMPORARY WIRING FOR ALL TRADES FOR CONSTRUCTION EQUIPMENT (e.g. HANDTOOLS, WELDERS, PIPE BENDERS, ETC.) AND CONSTRUCTION LIGHTING PER THE LATEST OSHA STANDARDS. INCLUDE ALL COSTS IN THE BASE BID. THIS CONTRACTOR SHALL ESTABLISH SAFE WORKING PROCEDURES FOR THE PROTECTION OF THE WORKMEN IN ALL PHASES OF WORK, COMPLYING WITH THE APPLICABLE PROVISIONS OF ALL CITY, STATE AND FEDERAL SAFETY LAWS (OSHA).

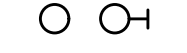
ELECTRICAL SYMBOLS



LED LIGHT FIXTURE. CAPITAL LETTER DENOTES FIXTURE TYPE, NUMERAL INDICATES CIRCUIT ASSIGNMENT, SUBSCRIPT LETTER DENOTES SWITCH LEG. SHADING OF ANY FIXTURE INDICATES CIRCUITED TO UNSWITCHED NIGHT LIGHT CIRCUIT. SEE "LIGHTING FIXTURE SCHEDULE."



EXIT SIGN UNIVERSAL MOUNT SHADED AREA INDICATES FACE, ARROWS AS REQUIRED. SEE "LIGHTING FIXTURE SCHEDULE."



LIGHTING FIXTURE OUTLET - SEE "LIGHTING FIXTURE SCHEDULE"



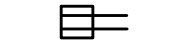
NON FUSED SAFETY SWITCH, RATING AS INDICATED



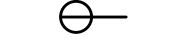
FUSED DISCONNECT SWITCH, SWITCH AND FUSE RATING AS INDICATED.



3-PHASE COMBINATION MAGNETIC STARTER WITH NEMA SIZE INDICATED BY E.G.



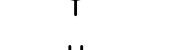
ISOLATED GROUND DUPLEX RECEPTACLE, NEMA 5-20R, 15'A.F.F. U.N.O.



SINGLE RECEPTACLE, NEMA 5-20, 15" A.F.F. U.N.O.



DUPLEX RECEPTACLE, NEMA 5-20R, 15'A.F.F. U.N.O.



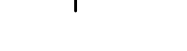
DUPLEX RECEPTACLE, NEMA 5-20R, CROSS LINE DENOTES 6" ABOVE COUNTER OR BACKSPLASH U.N.O.



DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, 15'A.F.F. U.N.O.



DUPLEX RECEPTACLE, NEMA 5-20R, SHADING DENOTES GROUND FAULT CIRCUIT INTERRUPTER "GFCI", 15'A.F.F. U.N.O.



DUPLEX RECEPTACLE, NEMA 5-20R, SHADING DENOTES GROUND FAULT CIRCUIT INTERRUPTER "GFCI", CROSS LINE DENOTES 6" ABOVE COUNTER OR BACKSPLASH U.N.O.



DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, SHADING DENOTES GROUND FAULT CIRCUIT INTERRUPTER "GFCI", 15'A.F.F. U.N.O.



DUPLEX RECEPTACLE W/ 2 USB PORTS, NEMA 5-20R, 15'A.F.F. U.N.O.



DUPLEX RECEPTACLE W/ 2 USB PORTS, NEMA 5-20R, CROSS LINE DENOTES 6" ABOVE COUNTER OR BACKSPLASH U.N.O.



SPECIAL PURPOSE RECEPTACLE NEMA CONFIGURATION AS REQUIRED BY MANUFACTURERS EQUIPMENT. VERIFY CONDUIT, CONDUCTOR AND DISCONNECT/CIRCUIT BREAKER REQUIREMENTS PRIOR TO ROUGH-IN.



LIGHTING AND/OR POWER PANEL.



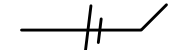
MOTOR



PHOTO ELECTRIC CONTROL, ROOF MOUNTED, (FACE NORTH) 120V OPERATION, 20A RATED TIED TO LIGHTING RELAY PANEL (LRP); ACUITY #PCELL-2WQ-BB



CONDUIT ROUTED CONCEALED IN CEILING OR WALL CONSTRUCTION. (CROSS LINES DENOTE NUMBER OF WIRES.)



CONDUIT ROUTED EXPOSED, PARALLEL OR PERPENDICULAR TO WALLS.



CONDUIT ROUTED CONCEALED IN CONCRETE FLOOR SLAB OR UNDERGROUND.



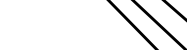
AUXILIARY JUNCTION BOX



FLEXIBLE CONDUIT CONNECTION



HOME RUN TO PANELBOARD



CONDUIT



PHASE CONDUCTORS



NEUTRAL CONDUCTOR



EQUIPMENT GROUND



ISOLATED GROUND



WEATHER PROOF (NEMA 3R)



FURNISHED BY OTHERS



DENOTES 6" ABOVE COUNTER OR BACKSPLASH U.N.O.



UNLESS NOTED OTHERWISE



ABOVE FINISH FLOOR



WIRE GUARD BY SAFETY TECHNOLOGY INTERNATIONAL, INC



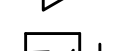
2-GANG RECESSED FLOOR-BOX / POKE-THRU DEVICE. VERIFY EXACT DEVICE IN FIELD, MOUNTED FLUSH IN FLOOR. PROVIDE SEPARATE CONDUIT STUBS FOR POWER AND DATA (1") CABLEING. COVER ASSEMBLY AND DEVICES AS INDICATED. COVER FINISH TO BE SELECTED BY ARCHITECT. LEGRAND EVOLUTION 6" SERIES



WALL TELEPHONE OUTLET (48"AFF) WITH 1" CONDUIT



TELEPHONE OUTLET, WITH 1" CONDUIT



DATA SYSTEM OUTLET WITH 1" CONDUIT



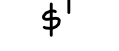
TV OUTLET, WITH 1" CONDUIT



SINGLE POLE TOGGLE SWITCH, 48"AFF, SUBSCRIPT LETTER DENOTES SWITCH LEGS, 20 AMP, 120 VOLT



THREE WAY TOGGLE SWITCH, 48"AFF, 20AMP, 120VOLT.



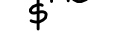
MANUAL SINGLE PHASE MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION. "P" DENOTES DEVICE FURNISHED WITH PILOT LIGHT., 48"AFF UNLESS INDICATED OTHERWISE



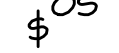
SINGLE POLE PILOT LIGHT SWITCH, 48"AFF, PILOT LIGHT ON WHEN DEVICE IS TURNED ON, 20 AMP, 120 VOLT



FAN SPEED SWITCH; 48"AFF



MOMENTARY CONTACT SWITCH 48" A.F.F.



WALL MOUNTED OCCUPANCY SENSOR SWITCH (AUTO ON / AUTO OFF) 48"A.F.F. ACUITY #WSX-PDT-XX



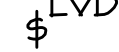
WALL MOUNTED VACANCY SENSOR SWITCH (MANUAL ON / AUTO OFF) 48"A.F.F. ACUITY #WSX-PDT-5A-XX



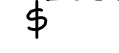
WALL MOUNTED VACANCY SENSOR DIMMER SWITCH (MANUAL ON / AUTO OFF) 48"A.F.F. ACUITY #WSX-PDT-D-SA-XX



nLIGHT (ON/OFF) SWITCH; 48"A.F.F. ACUITY #NPDM-XX



nLIGHT (ON/OFF + RAISE/LOWER) SWITCH; 48"A.F.F. ACUITY #NPDM-DX-XX



nLIGHT SCENE CONTROLLER (ON/OFF + RAISE/LOWER) SWITCH; 48"A.F.F. ACUITY #NPDM-4SB-DX-WH



nLIGHT 0-10V POWER PACK; ACUITY #NPP16-D



nLIGHT ELV POWER PACK; ACUITY #NSP5-PCD



nLIGHT CEILING MOUNTED ULTRASONIC/ PASSIVE INFRARED OCCUPANCY SENSOR; ACUITY #nCM-PDT-10-RJB



nLIGHT CEILING MOUNTED ULTRASONIC/ PASSIVE INFRARED VACANCY SENSOR; ACUITY #nCM-PDT-10-RJB

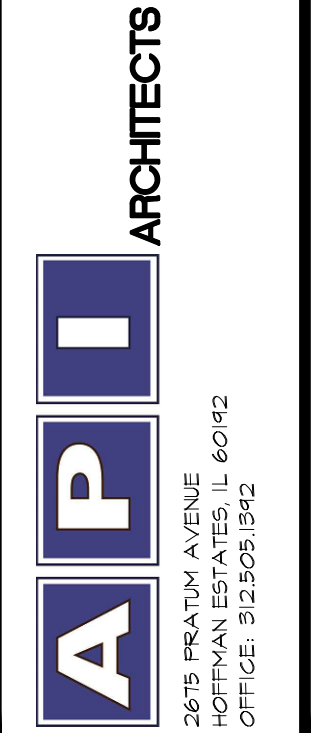
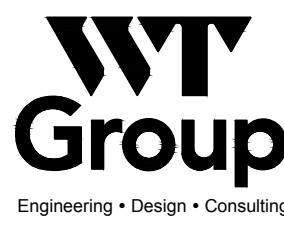
BRANCH WIRING NOTES

PROVIDE THE FOLLOWING MINIMUM WIRE SIZE TO THE FIRST OUTLET OF A 15 OR 20 AMPERE BRANCH CIRCUIT. PROVIDE MINIMUM #10AWG TO THE LAST OUTLET FOR ALL BRANCH CIRCUITS MORE THAN 200 FEET IN LENGTH.

DISTANCE	AWG WIRE SIZES
UP TO 100 FEET	#12
100 TO 200 FEET	#10
MORE THAN 200 FEET	#8 MINIMUM

PROVIDE MINIMUM AWG CONDUCTOR SIZES FOR GENERAL BRANCH CIRCUITING AS FOLLOWS. WHERE APPLICABLE INCREASE AS REQUIRED TO ACCOMMODATE VOLTAGE DROP.

OVERCURRENT PROTECTION	CU AWG WIRE SIZE	OVERCURRENT PROTECTION	CU AWG WIRE SIZE
15/20 AMPERE	#12	60 AMPERE	#6
25/30 AMPERE	#10	70/80 AMPERE	#4
40 AMPERE	#8	90 AMPERE	#3
50 AMPERE	#6	100 AMPERE	#3



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BRIDGES TOP TRACER BATHROOM UTILITIES
1400 POPLAR CREEK DRIVE
HOFFMAN ESTATES, IL 60169

project no.	C22000007
date:	03.01.2022 BID
revision 1:	
revision 2:	
revision 3:	
revision 4:	
checked:	AK
drawn:	PM

sheet title:
ELECTRICAL SPEC,
SYMBOLS + NOTES

sheet number:

E2.2