

ITD D4 FAIRFIELD HUD MANUFACTURED HOMES AND SITE DEVELOPMENT

Myers Anderson

Architecture • Interior Design • Historic Preservation
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FAIRFIELD, ID

ABBREVIATIONS

ACPS	ACOUSTIC CEILING PANEL SYSTEM	HVAC	HEATING, VENTING & AIR CONDITIONING
AC	AIR CONDITIONING	INSUL	INSULATION
ADJ	ADJUSTABLE	INT	INTERIOR
AFF	ABOVE FINISH FLOOR	LAM	LAMINATED
ALT	ALTERNATE	LOC	LOCATION
ALUM	ALUMINUM	LRG	LARGE
AV	AUDIO/ VISUAL	MAS	MASONRY
BRD	BOARD	MAX	MAXIMUM
BLDG	BUILDING	MECH	MECHANICAL
BTM	BOTTOM	MTL	METAL
CAB	CABINET	MANUF	MANUFACTURER
CG	CORNER GUARD	MHU	MOBILE HOME UNIT
CJ	CONTROL JOINT	MIN	MINIMUM
CLG	CEILING	MISC	MISCELLANEOUS
CLR	CLEAR	NA	NOT APPLICABLE
CMU	CONCRETE MASONRY UNIT	NO	NUMBER
COL	COLUMN	NOM	NOMINAL
CONC	CONCRETE	NTS	NOT TO SCALE
CONN	CONNECTION	OC or C	ON CENTER OR CENTER LINE
CONT	CONTINUOUS	OFCI	OWNER FURNISHED - CONTRACTOR INSTALLED
DEMO	DEMOLITION	PT	PRESSURE TREATED
DTL	DETAIL	PART BRD	PARTICLE BOARD
DF	DRINKING FOUNTAIN	PLAN	PLASTIC LAMINATE
DIA	DIAMETER	PEJ	PETROLEUM EXPANSION JOINT
DIM	DIMENSION	PLY	PLYWOOD
DISP	DISPENSER	PRE-FIN	PRE-FINISHED
DR	DOOR	PWR	POWER
DWG	DRAWING	RCP	REFLECTED CEILING PLAN
DWR	DRAWER	RD	ROOF DRAIN
EA	EACH	REF	REFERENCE
EF	EXHAUST FAN	REINF	REINFORCEMENT
EF5	EXT. INSUL. & FN. SYSTEM	REQ	REQUIRED
EJ	EXPANSION JOINT	RM	ROOM
ELEC	ELECTRICAL	SHT	SHEET
EMER	EMERGENCY	SHTG	SHEATHING
EQ	EQUAL	SIM	SIMILAR
EQUIP	EQUIPMENT	SPEC	SPECIFICATIONS
ETR	EXISTING TO REMAIN	SQ	SQUARE
EXP	EXPOSED	SAN	SANITARY SEWER
EXPAN	EXPANSION	SS	SOLID SURFACE
EXT	EXTERIOR	SST	STAINLESS STEEL
FD	FLOOR DRAIN	STL	STEEL
FE	FIRE EXTINGUISHER	STOR	STORAGE
FEC	FIRE EXTINGUISHER CABINET	STRUCT	STRUCTURAL
FF	FINISH FLOOR	SUSP	SUSPENDED
FG	FINISH GRADE	TEMP	TEMPERATURE
FLR	FLOOR (ING)	TERM	TERMINATION
FTG	FOOTING	TOF	TOP OF FOOTING
GA	GAUGE	TOB	TOP OF BEARING
GALV	GALVANIZED	TYP	TYPICAL
GL	GLASS	VERT	VERTICAL
HC	HOLLOW CORE	VT	VINYL TILE
HM	HOLLOW METAL	w/	WITH
MHU	MOBILE HOME UNIT	w/o	WITHOUT
HORIZ	HORIZONTAL	WD	WOOD
HR	HOUR	WP	WATER PROOF

SYMBOLS

F NEW BLDG. GRID

DOOR NUMBER

W WINDOW MARKER

ROOM NAME
ROOM NUMBER

W3A WALL TYPE

ZONE NAME
RM #
CLG, HT #'-#" CEILING TAG

ELEVATION

DETAIL NUMBER

DETAIL SYMBOL

4
A501 SHEET NUMBER

3/A200 DETAIL CUT SHEET NUMBER

4
A300 SECTION NUMBER

WALL SECTION
SHEET NUMBER

3/A-400 BLDG. ELEVATION SHEET NUMBER

ELEVATION NUMBER

3
A202 SECTION LETTER

BLDG. SECTION
SHEET NUMBER

ELEVATION NUMBER

#
A500 WALL ELEVATION SHEET NUMBER

DRAWING NUMBER

J
A300 TITLE SHEET NUMBER

3/4" = 1'-0"

[Red Dashed Box] = DEMOLITION

[Grey Box] = EXISTING

[Black Box] = NEW CONSTRUCTION

[Blue Dashed Box] = ADD ALT (SCOPE)

BUILDING DESCRIPTION

THE PROJECT INCLUDES DEVELOPMENT OF A VACANT PARCEL OF LAND FOR A TOTAL OF (5) MANUFACTURED HOUSING UNITS. (4) OF THE UNITS ARE FOR ITD STAFF AND THE 5TH UNIT IS FOR A FUTURE IDAHO STATE POLICE STAFF HOME. THE PROPERTY IS LOCATED NORTH OF HIGHWAY 20 NEAR FAIRFIELD, IDAHO AT THE CORNER OF 100 NORTH AND 100 EAST. THE SITE WILL BE DEVELOPED WITH WATER DISTRIBUTION SYSTEM FROM (2) WELLS DRILLED AS A SEPARATE CONTRACT. THE PROJECT INCLUDES CONSTRUCTION OF A NEW WELL HOUSE WITH WELL EQUIPMENT AND FULL WATER DISTRIBUTION TO EACH OF THE (5) (MHUS). THE PROJECT ALSO INCLUDES ALL UTILITIES FOR EACH MHU INCLUDING NEW ELECTRICAL POWER SERVICE FROM IDAHO POWER WITH PAD MOUNTED TRANSFORMERS, SEPTIC/DRAIN FIELDS, PROPANE GAS PADS FOR OWNER SUPPLIED PROPANE TANKS, ACCESS DRIVEWAYS AND PATHS TO EACH HOME, AND COMPLETE SITE GRADING AND DRAINAGE IMPROVEMENTS.

AS PART OF THE PROJECT THE CONTRACTOR WILL BE RESPONSIBLE FOR CONSTRUCTING PERMANENT FOUNDATIONS FOR THE (MHUS) ALONG WITH PURCHASING AND INSTALLING THE (MHUS) ON THE PERMANENT FOUNDATIONS. CONTRACTOR WILL ALSO BE RESPONSIBLE FOR PROVIDING COVERED PORCHES FOR THE ENTRANCES TO THE (MHUS).

BLDG. INFO.

ACTUAL MHU AREA: 933 SF

OCCUPANCY CLASSIFICATION: (R) Residential (Manufactured Home)

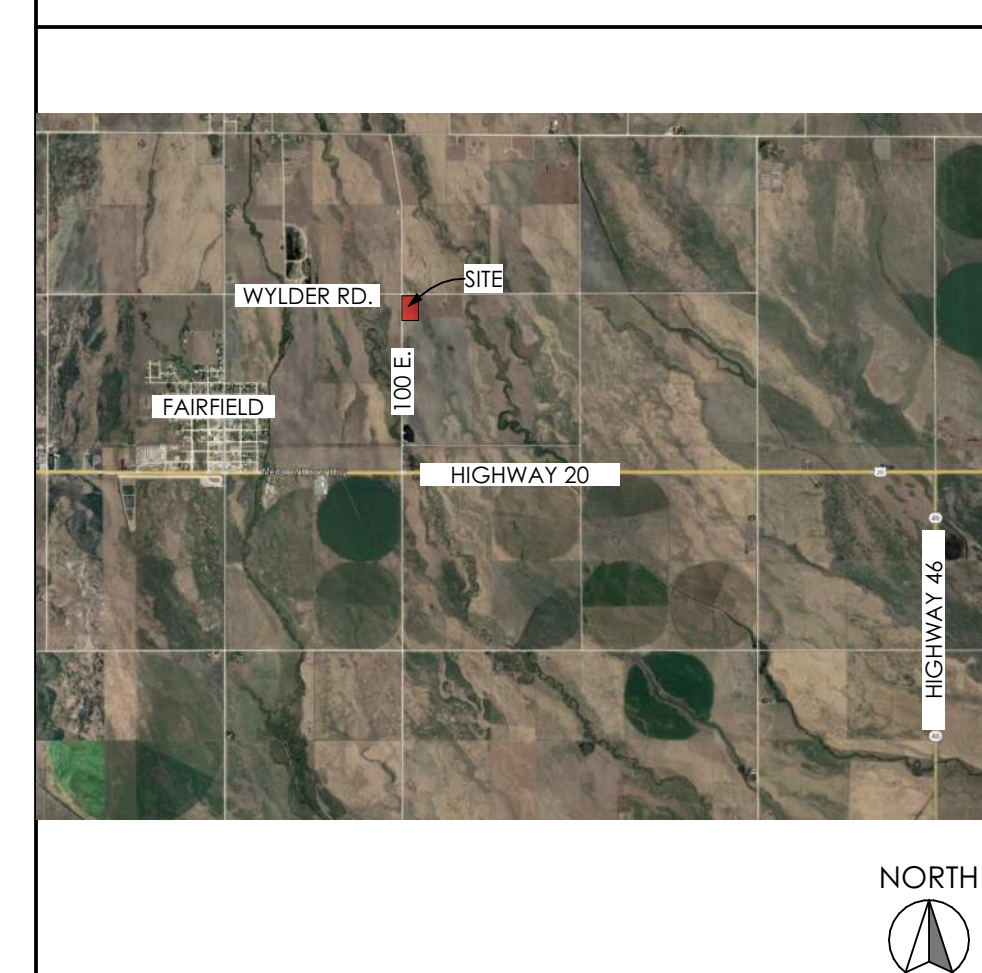
Manufactured Home: Homes built on/after June 15, 1976; federalized construction to one single, nation-wide standard (24 CFR §3280) under authority of the National Manufactured Housing Construction and Safety Standards Act of 1974, signed into law by President Ford

PERMITTING THROUGH IDOPL (IDAHO DIVISION OF OCCUPATIONAL AND PROFESSIONAL LICENSES), REQUIRED PERMITTING:

- FOUNDATION PERMIT
- INSTALLATION PERMIT and INSTALLATION TAG
- ON-SITE MECHANICAL, PLUMBING AND ELECTRICAL PERMITTING

REF. INFO AT:
idahohousingassociation.org
dbs.idaho.gov

LOCATION MAP



CONSULTANTS

STRUCTURAL ENGINEER

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ELECTRICAL & PLUMBING ENGINEER

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CIVIL ENGINEER

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CONTACTS

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DRAWING INDEX

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SP100	SITE PLAN
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M0.2	PLUMBING SPECIFICATIONS SECTION 15400
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ITD D4 FAIRFIELD HUD MANUFACTURED HOMES AND SITE DEVELOPMENT FAIRFIELD, ID

COVER SHEET

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS or SPECIFICATIONS

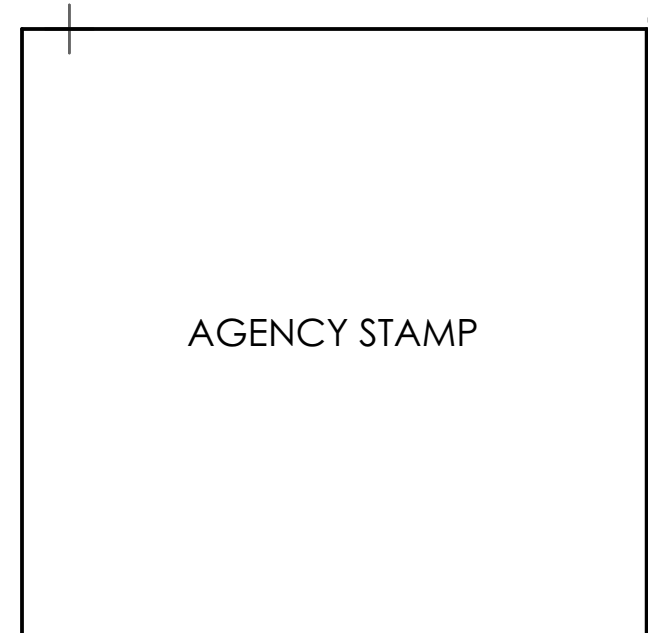
REVISION DATE

CLIENT PROJECT NUMBER: ++CLIENT PROJECT NUMBER

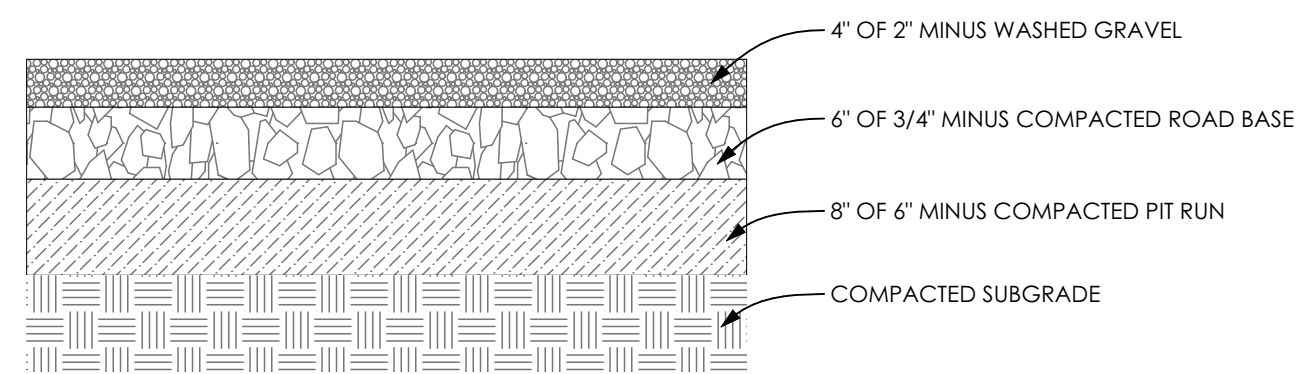
ARCH. JOB NUMBER: 24626

SHEET ISSUED DATE: May 2024

SHEET G100

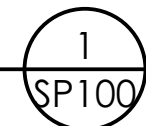


C



BASE BID GRAVEL DRIVEWAY & SIDEWALK SECTION DETAIL

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



ADD ALTERNATES:

ADD ALTERNATE #1 CONCRETE APRON & SIDEWALK FOR MHU #1 & 2

BASE BID: INCLUDES CONSTRUCTION OF NEW WELL HOUSE, SITE WATER DISTRIBUTION SYSTEM, SITE DRAINAGE SYSTEM, SITE GRADING, SITE ACCESS DRIVE, AND SITE ELECTRICAL DISTRIBUTION SYSTEM INCLUDING ALL TRANSFORMERS. BASE BID ALSO INCLUDES COMPLETE CONSTRUCTION & INSTALLATION OF MHU #1 & 2 INCLUDING HOME FOUNDATIONS, HOME FRONT AND SIDE PORCHES, FULL WATER CONNECTIONS, COMPLETE SEPTIC TANK/DRAIN FIELD SYSTEM, CONCRETE PADS FOR OWNER SUPPLIED PROPANE TANKS, AND COMPLETE ELECTRICAL CONNECTION. BASE BID INCLUDES GRAVEL DRIVEWAY AND GRAVEL WALKWAYS TO HOMES IN LIEU OF CONCRETE (SEE BASE BID GRAVEL DRIVEWAY & SIDEWALK SECTION DETAIL). BASE BID EXCLUDES INSTALLATION OF MHU #s 3, 4, & 5 AND ASSOCIATED DRIVEWAY, ELECTRICAL FROM TRANSFORMER TO HOME INCLUDING METER, SEPTIC/DRAIN FIELDS, AND CONCRETE PROPANE PADS.

ADD ALTERNATE: ALL WORK ASSOCIATED WITH INSTALLING CONCRETE APRONS, SIDEWALKS, AND CONCRETE DRIVEWAY FOR MHU #1 & 2. INCLUDE IN COST. CREDIT FOR GRAVEL SIDEWALKS, APRONS, AND DRIVEWAY CALLED OUT IN BASE BID.

ADD ALTERNATE #2 CONSTRUCT & INSTALL MHU #3

BASE BID: INCLUDES CONSTRUCTION OF NEW WELL HOUSE, SITE WATER DISTRIBUTION SYSTEM, SITE DRAINAGE SYSTEM, SITE GRADING, SITE ACCESS DRIVE, AND SITE ELECTRICAL DISTRIBUTION SYSTEM INCLUDING ALL TRANSFORMERS. BASE BID ALSO INCLUDES COMPLETE CONSTRUCTION & INSTALLATION OF MHU #1 & 2 INCLUDING HOME FOUNDATIONS, HOME FRONT AND SIDE PORCHES, FULL WATER CONNECTIONS, COMPLETE SEPTIC TANK/DRAIN FIELD SYSTEM, CONCRETE PADS FOR OWNER SUPPLIED PROPANE TANKS, AND COMPLETE ELECTRICAL CONNECTION. BASE BID INCLUDES GRAVEL DRIVEWAY AND GRAVEL WALKWAYS TO HOMES IN LIEU OF CONCRETE (SEE BASE BID GRAVEL DRIVEWAY & SIDEWALK SECTION DETAIL). BASE BID EXCLUDES INSTALLATION OF MHU #s 3, 4, & 5 AND ASSOCIATED DRIVEWAY, ELECTRICAL FROM TRANSFORMER TO HOME INCLUDING METER, SEPTIC/DRAIN FIELDS, AND CONCRETE PROPANE PADS.

ADD ALTERNATE: INCLUDES COMPLETE CONSTRUCTION & INSTALLATION OF MHU #3 INCLUDING HOME FOUNDATIONS, HOME FRONT AND SIDE PORCHES, CONNECTION TO SITE WATER, COMPLETE SEPTIC TANK/DRAIN FIELD SYSTEM, CONCRETE PADS FOR OWNER SUPPLIED PROPANE TANK, AND COMPLETE ELECTRICAL CONNECTION FROM TRANSFORMER TO UNIT. ALTERNATE INCLUDES GRAVEL DRIVEWAY AND GRAVEL WALKWAYS TO HOMES IN LIEU OF CONCRETE (SEE BASE BID GRAVEL DRIVEWAY & SIDEWALK SECTION DETAIL).

ADD ALTERNATE #3 CONCRETE APRON & SIDEWALK FOR MHU #3

BASE BID: INCLUDES CONSTRUCTION OF NEW WELL HOUSE, SITE WATER DISTRIBUTION SYSTEM, SITE DRAINAGE SYSTEM, SITE GRADING, SITE ACCESS DRIVE, AND SITE ELECTRICAL DISTRIBUTION SYSTEM INCLUDING ALL TRANSFORMERS. BASE BID ALSO INCLUDES COMPLETE CONSTRUCTION & INSTALLATION OF MHU #1 & 2 INCLUDING HOME FOUNDATIONS, HOME FRONT AND SIDE PORCHES, FULL WATER CONNECTIONS, COMPLETE SEPTIC TANK/DRAIN FIELD SYSTEM, CONCRETE PADS FOR OWNER SUPPLIED PROPANE TANKS, AND COMPLETE ELECTRICAL CONNECTION. BASE BID INCLUDES GRAVEL DRIVEWAY AND GRAVEL WALKWAYS TO HOMES IN LIEU OF CONCRETE (SEE BASE BID GRAVEL DRIVEWAY & SIDEWALK SECTION DETAIL). BASE BID EXCLUDES INSTALLATION OF MHU #s 3, 4, & 5 AND ASSOCIATED DRIVEWAY, ELECTRICAL FROM TRANSFORMER TO HOME INCLUDING METER, SEPTIC/DRAIN FIELDS, AND CONCRETE PROPANE PADS.

ADD ALTERNATE: ALL WORK ASSOCIATED WITH INSTALLING CONCRETE APRONS, SIDEWALKS, AND CONCRETE DRIVEWAY FOR MHU #3. INCLUDE IN COST. CREDIT FOR GRAVEL SIDEWALKS, APRONS, AND DRIVEWAY CALLED OUT IN BASE BID.

ADD ALTERNATE #4 CONSTRUCT & INSTALL MHU #4

BASE BID: INCLUDES CONSTRUCTION OF NEW WELL HOUSE, SITE WATER DISTRIBUTION SYSTEM, SITE DRAINAGE SYSTEM, SITE GRADING, SITE ACCESS DRIVE, AND SITE ELECTRICAL DISTRIBUTION SYSTEM INCLUDING ALL TRANSFORMERS. BASE BID ALSO INCLUDES COMPLETE CONSTRUCTION & INSTALLATION OF MHU #1 & 2 INCLUDING HOME FOUNDATIONS, HOME FRONT AND SIDE PORCHES, FULL WATER CONNECTIONS, COMPLETE SEPTIC TANK/DRAIN FIELD SYSTEM, CONCRETE PADS FOR OWNER SUPPLIED PROPANE TANKS, AND COMPLETE ELECTRICAL CONNECTION. BASE BID INCLUDES GRAVEL DRIVEWAY AND GRAVEL WALKWAYS TO HOMES IN LIEU OF CONCRETE (SEE BASE BID GRAVEL DRIVEWAY & SIDEWALK SECTION DETAIL). BASE BID EXCLUDES INSTALLATION OF MHU #s 3, 4, & 5 AND ASSOCIATED DRIVEWAY, ELECTRICAL FROM TRANSFORMER TO HOME INCLUDING METER, SEPTIC/DRAIN FIELDS, AND CONCRETE PROPANE PADS.

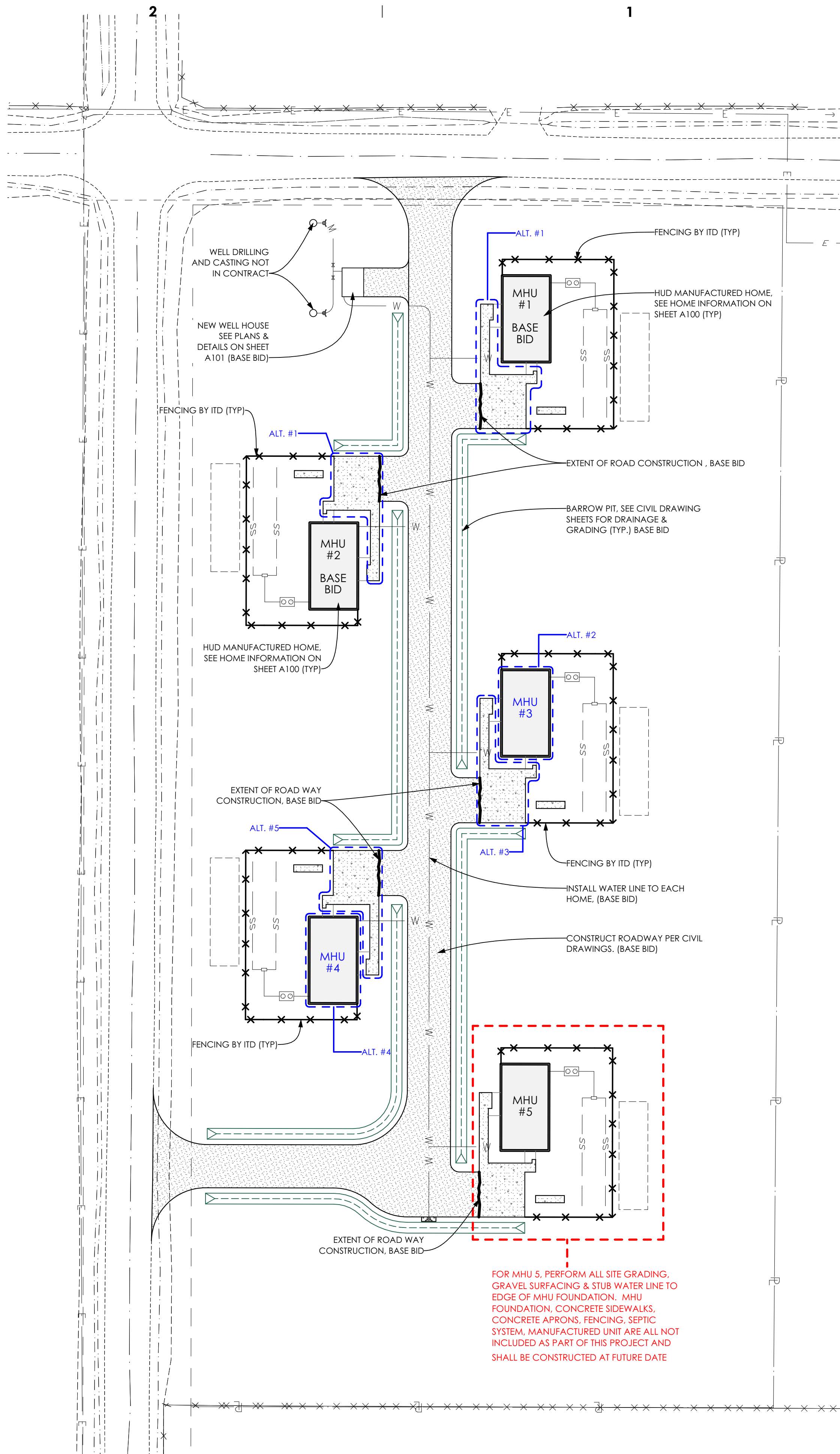
ADD ALTERNATE: INCLUDES COMPLETE CONSTRUCTION & INSTALLATION OF MHU #4 INCLUDING HOME FOUNDATIONS, HOME FRONT AND SIDE PORCHES, CONNECTION TO SITE WATER, COMPLETE SEPTIC TANK/DRAIN FIELD SYSTEM, CONCRETE PADS FOR OWNER SUPPLIED PROPANE TANK, AND COMPLETE ELECTRICAL CONNECTION FROM TRANSFORMER TO UNIT. ALTERNATE INCLUDES GRAVEL DRIVEWAY AND GRAVEL WALKWAYS TO HOMES IN LIEU OF CONCRETE (SEE BASE BID GRAVEL DRIVEWAY & SIDEWALK SECTION DETAIL).

ADD ALTERNATE #5 CONCRETE APRON & SIDEWALK FOR MHU #4

BASE BID: INCLUDES CONSTRUCTION OF NEW WELL HOUSE, SITE WATER DISTRIBUTION SYSTEM, SITE DRAINAGE SYSTEM, SITE GRADING, SITE ACCESS DRIVE, AND SITE ELECTRICAL DISTRIBUTION SYSTEM INCLUDING ALL TRANSFORMERS. BASE BID ALSO INCLUDES COMPLETE CONSTRUCTION & INSTALLATION OF MHU #1 & 2 INCLUDING HOME FOUNDATIONS, HOME FRONT AND SIDE PORCHES, FULL WATER CONNECTIONS, COMPLETE SEPTIC TANK/DRAIN FIELD SYSTEM, CONCRETE PADS FOR OWNER SUPPLIED PROPANE TANKS, AND COMPLETE ELECTRICAL CONNECTION. BASE BID INCLUDES GRAVEL DRIVEWAY AND GRAVEL WALKWAYS TO HOMES IN LIEU OF CONCRETE (SEE BASE BID GRAVEL DRIVEWAY & SIDEWALK SECTION DETAIL). BASE BID EXCLUDES INSTALLATION OF MHU #s 3, 4, & 5 AND ASSOCIATED DRIVEWAY, ELECTRICAL FROM TRANSFORMER TO HOME INCLUDING METER, SEPTIC/DRAIN FIELDS, AND CONCRETE PROPANE PADS.

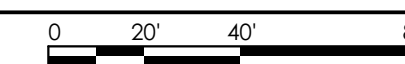
ADD ALTERNATE: ALL WORK ASSOCIATED WITH INSTALLING CONCRETE APRONS, SIDEWALKS, AND CONCRETE DRIVEWAY FOR MHU #4. INCLUDE IN COST. CREDIT FOR GRAVEL SIDEWALKS, APRONS, AND DRIVEWAY CALLED OUT IN BASE BID.

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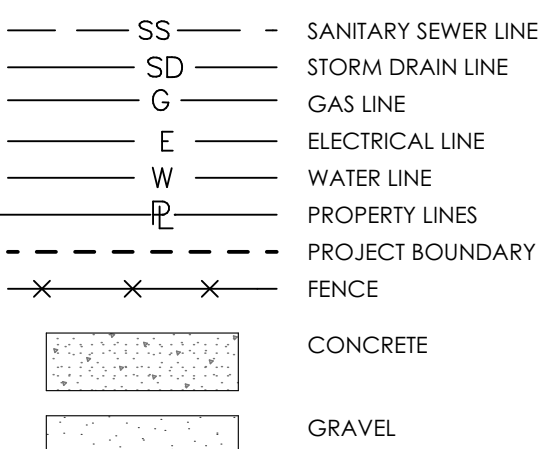


SITE PLAN

SCALE: 1" = 40'



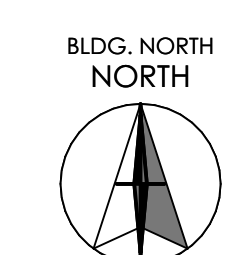
SITE PLAN LEGEND:



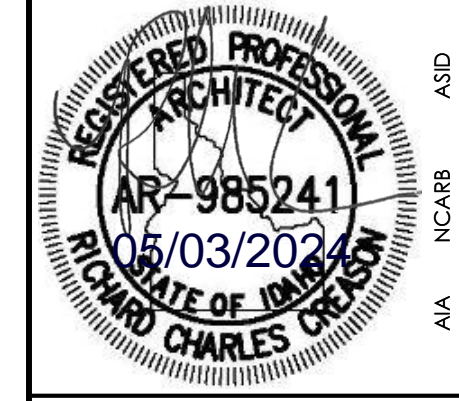
GENERAL NOTES:

1. A SEPARATE IDOPL MANUFACTURED HOME INSTALLATION PERMIT FOR EACH STRUCTURE IS REQUIRED. FOR THE INSTALLATION OF A DOUBLE SECTION, THE INSTALLATION FEE IS \$ 200.00 EACH UNIT.
2. AN IDAHO LICENSED INSTALLER IS REQUIRED TO INSTALL EACH MANUFACTURED HOME.
3. A SEPARATE IDOPL MANUFACTURED HOME INSTALLATION "TAG" PERMIT FOR EACH NEW MANUFACTURED HOME IS REQUIRED. (AN ACTUAL TAG IS NOT ISSUED, RATHER A REGISTRY NUMBER ISSUED BY IDOPL FOR REPORTING TO HUD). THE INSTALLATION "TAG" FEE IS \$ 50.00 EACH UNIT.
4. AN IDOPL MANUFACTURED HOME CHECKLIST (ATTACHED TO THE INSTALLATION PERMIT) IS REQUIRED TO BE COMPLETED BY THE IDAHO LICENSED INSTALLER AND THE DOPL BUILDING INSPECTOR AT FINAL INSPECTION. A COPY OF THIS CHECKLIST SHOULD BE GIVEN TO THE RESIDENT OR KEPT IN A SECURE LOCATION FOR FUTURE USE, IF REQUIRED.

PROJECT NORTH



Myers Anderson
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ITD D4 FAIRFIELD HUD MANUFACTURED HOMES AND SITE DEVELOPMENT FAIRFIELD, ID

SHEET TITLE:

SITE PLAN

DRAWING SCALE APPLIES TO 22' X 34' SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS OR SPECIFICATIONS

REVISION	DATE

CLIENT PROJECT NUMBER: ++CLIENT PROJECT NUMBER

ARCH. JOB NUMBER: 24626

SHEET ISSUED DATE: May 2024

SHEET **SP100**

ITD FAIRFIELD MOBILE HOME UNITS

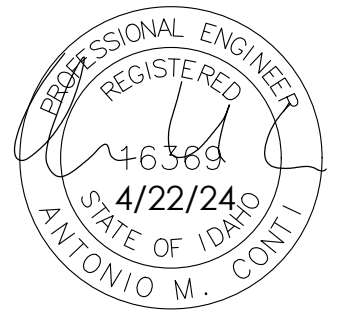
FAIRFIELD, IDAHO



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ITD FAIRFIELD MOBILE HOME UNITS
FAIRFIELD, ID

PROJECT NUMBER

SHEET TITLE:

TITLESHEET

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

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REVISION DATE

CLIENT PROJECT NUMBER: ITD24-0323

ARCH. JOB NUMBER: 24626

SHEET ISSUED DATE: April 2024

SHEET C0.0

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C4.0	GRADING PLAN		
C5.0	UTILITY PLAN		
C6.0	DRAINAGE PLAN		
C7.0	WELL DETAILS		



VICINITY MAP

SCALE: 1" = 1,000'

NOTE

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. ALL EXISTING CONDITIONS AND STRUCTURES, NOT SPECIFICALLY NOTED FOR REMOVAL, SHALL BE RETAINED AND PROTECTED. EXISTING CONDITIONS AND STRUCTURES THAT ARE DAMAGED DURING THE COURSE OF CONSTRUCTIONS SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL BE REQUIRED AND RESPONSIBLE TO POTHOLE FOR ALL EXISTING UTILITIES TO VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION AND EXCAVATION ACTIVITIES.

Project Contacts

Owner:
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Boise, Idaho 83720

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Contact: Richard Creason
Ph: (208) 232-3741
richard@myersanderson.com

Power:
Idaho Power
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Boise, ID 83709
Ph: (208) 388-6320

Utility Locator Service:
Digline 1-(800) 342-1585

Datum:

VERTICAL DATUM:
THE VERTICAL DATUM FOR THIS PROJECT IS NAVD 88 (GEOID 18 CONUS), BASED ON THE NATIONAL GEODETIC SURVEY (OPUS) ABOUT KELLER POINT NO. 1.

HORIZONTAL DATUM:
THE HORIZONTAL DATUM FOR THIS PROJECT IS BASED UPON NAD1983 (2011) IDAHO STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE), DERIVED FROM NATIONAL GEODETIC SURVEY, ONLINE POSITIONING USER SERVICE (OPUS) ABOUT KELLER POINT No.1. ALL BEARINGS ARE AT GRID AZIMUTH, ANY DISTANCES SHOWN REPRESENT GROUND VALUES. IDAHO STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE) WERE MODIFIED USING A COMBINED SCALE FACTOR OF 1.0002450713 CALCULATED AT KELLER POINT NO. 1.

LOCATION:
NW ¼ OF SECTION 11, TOWNSHIP 1 SOUTH, RANGE 14 EAST, B.M., CAMAS COUNTY, IDAHO

Notes:

- ALL CONSTRUCTION SHALL CONFORM WITH LOCAL & STATE BUILDING, PLUMBING, AND ELECTRICAL CODE.
- LOCATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE AND BASED UPON INFORMATION PROVIDED BY UTILITY COMPANIES AND FIELD OBSERVATIONS. ACCURACY OF LOCATIONS OF ALL UNDERGROUND UTILITIES IS NEITHER GUARANTEED NOR WARRANTED. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- PRIOR TO THE COMMENCEMENT OF ANY WORK, IF NEEDED, THE CONTRACTOR SHALL FILE A "NOTICE OF INTENT TO OBTAIN COVERAGE UNDER THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY" (NOI).

Disclaimer:

It is understood that these plans were designed in accordance with standard practices widely accepted through the field of civil engineering and surveying. Although the plans represented here have been designed by, or under the direct supervision of, a registered professional engineer, Ackerman-Estvold will not be responsible for the accuracy of any physical work that is not constructed under the direct full time observation of personnel employed by Ackerman-Estvold.

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE PROJECT NOTES, DETAILS, SPECIFICATIONS, WHERE NOT SPECIFIED, ALL WORK SHALL CONFORM TO THE 2020 EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPCW), IN THE EVENT THAT ANY OF THESE STANDARDS CONFLICT, THE MORE STRINGENT SHALL BE THE CONTROLLING STANDARDS OR SPECIFICATIONS.
- ONLY PLAN SETS STAMPED "APPROVED FOR CONSTRUCTION" SHALL BE USED BY THE PROJECT CONTRACTOR(S). USE OF ANY PLANS ON THE JOB WITHOUT THE "APPROVED FOR CONSTRUCTION" STAMP SHALL BE GROUNDS FOR THE ISSUANCE OF A STOP WORK ORDER.
- THE CONTRACTOR SHALL KEEP ONSITE AT ALL TIMES A COPY OF THE APPROVED CONSTRUCTION PLANS. THESE PLANS SHALL BE USED TO RECORD THE ACTUAL LOCATIONS OF THE CONSTRUCTED PIPELINE(S) AND ANY OTHER UTILITIES ENCOUNTERED. THE CONTRACTOR SHALL PROVIDE THESE RECORDED LOCATIONS TO THE PROJECT ENGINEER FOR USE IN THE PRODUCTION OF RECORD DRAWINGS PRIOR TO FINAL APPROVAL/ACCEPTANCE OF THE PROJECT.
- EXISTING SITE INFORMATION INCLUDING THE LOCATION OF EXISTING SITE CONDITIONS AND SURFACE TOPOGRAPHY AS SHOWN ON THESE PLANS HAS BEEN PROVIDED BY KELLER ASSOCIATES. THE EXISTING SITE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR'S CONSTRUCTION SURVEY PRIOR TO THE START OF ANY PROJECT CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CONSTRUCTION STAKING.
- THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE DRAWINGS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. THE PROJECT ENGINEER ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DELINEATION OF SUCH UNDERGROUND UTILITIES, OR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY EXACT LOCATIONS OF EXISTING UTILITIES PRIOR TO THE START OF ANY PROJECT CONSTRUCTION. ANY LOCATION WHICH MAY POSE A CONFLICT WITH THE PROPOSED CONSTRUCTION MUST BE REPORTED TO THE PROJECT ENGINEER PRIOR TO THE START OF ANY PROJECT CONSTRUCTION.
- THE CONTRACTOR SHALL CALL DIG LINE (800-342-1585) TO LOCATE ALL EXISTING UTILITIES AT LEAST THREE (3) DAYS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO THE START OF PROJECT CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL ASSOCIATED WITH THE PROJECT AND SHALL DEVELOP/SUBMIT A PLAN TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO THE START OR PROJECT CONSTRUCTION. PLAN TO BE IN ACCORDANCE WITH MUTCD, AND PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL MAINTAIN TRAFFIC ACCESS AT THE END OF EACH DAY AND PROVIDE DETOURS OR ONE-WAY TRAFFIC DURING CONSTRUCTION. WHEN CONSTRUCTION TECHNIQUES ALLOW, CONTRACTOR SHALL PROVIDE ACCESS THROUGH THE CONSTRUCTION ZONE TO PRIVATE PROPERTIES.
- CONTRACTOR SHALL SECURE ALL NECESSARY PERMITTING FROM THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY (IDEQ) PRIOR TO THE START OF PROJECT CONSTRUCTION. IF TRENCH DEWATERING IS REQUIRED, CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO THE PROJECT ENGINEER PRIOR TO COMMENCEMENT OF DEWATERING OPERATIONS.
- DURING SERVICE CONNECTIONS, GROUNDWATER LEVELS SHALL BE MAINTAINED ONE (1') FOOT OR MORE BELOW PIPE INVERTS PER ISPCW. ONCE DEWATERING OPERATIONS CEASE, CONTRACTOR SHALL CLEAN AND RESTORE TO THEIR ORIGINAL STATE ANY DITCHES OR STORMDRAIN FACILITIES THAT ARE SILTED DUE TO THEIR DEWATERING EFFORTS.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING MONUMENTS, SURVEY MARKERS, STREET SIGNS, UTILITIES, IRRIGATION LINES, PAVEMENT, TREES, FENCES, AND ANY OTHER IMPORTANT OBJECTS ON OR ADJACENT TO THE JOB SITE FROM DAMAGE AND REPAIR OR REPLACE DAMAGED FACILITIES AS REQUIRED BY THE OWNER AND THE PROJECT ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES.
- ANY CHANGES TO THE DESIGN AS SHOWN IN THESE CONSTRUCTION DRAWINGS MUST BE REVIEWED AND APPROVED BY THE PROJECT ENGINEER BEFORE CHANGES ARE MADE. THIS INCLUDES CHANGES REQUESTED BY THE OWNER AND SUBCONTRACTORS.
- CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER WITH ONE COPY OF REDLINED AS-BUILT DRAWINGS PRIOR TO PROJECT ACCEPTANCE IF DEEMED NECESSARY.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL WORK CONSTRUCTED BY THEIR WORK CREWS UNTIL THE WORK IS ACCEPTED BY THE OWNER FOR CONTINUOUS OPERATION AND MAINTENANCE.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY INCLUDING, BUT NOT LIMITED TO, SAFE WORKING PRACTICES WITHIN AND AROUND THE CONSTRUCTION AREA. IN ADDITION, JURISDICTIONAL AGENCIES, THE OWNER, AND THE PROJECT ENGINEER SHALL NOT BE RESPONSIBLE FOR ENFORCING SAFETY REGULATIONS.
- THE CONTRACTOR IS TO OBTAIN ALL APPLICABLE PERMITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ANY EXCESS ONSITE MATERIALS AS NECESSARY TO COMPLETE THE PROJECT.
- IF ANY ITEMS OF SUSPECTED HISTORICAL OR ARCHAEOLOGICAL VALUE ARE DISCOVERED DURING CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED TO STOP WORK AND CONTACT THE OWNER, PROJECT ENGINEER, AS WELL AS THE STATE HISTORICAL PRESERVATION OFFICE.
- IF DURING CONSTRUCTION OF THE PROJECT, AN UNDERGROUND STORAGE TANK, BURIED DRUM, OTHER CONTAINER, CONTAMINATED SOIL, OR DEBRIS NOT SCHEDULED FOR REMOVAL UNDER THE CONTRACT IS DISCOVERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE PROJECT ENGINEER. NO ATTEMPT SHALL BE MADE TO EXCAVATE, OPEN, OR REMOVE SUCH MATERIAL WITHOUT WRITTEN APPROVAL.

WATER CONSTRUCTION NOTES:

- ALL WATER LINE SHALL BE HDPE (NSF APPROVED), SDR-7, WITH 200 PSI WORKING PRESSURE FUSED PIPE.
- THRUST BLOCKS SHALL BE INSTALLED AT ALL FITTINGS IN ACCORDANCE WITH ISPCW SD-403 AND VISUALLY INSPECTED BY THE PROJECT ENGINEER PRIOR TO BACKFILL.
- ALL WATER SERVICE PIPE SHALL BE CLASS 200, SDR 7 POLYETHYLENE PRESSURE PIPE CONFORMING TO AWWA C901.
- WATER MAINS AND SERVICE LINES SHALL BE INSTALLED WITH A MINIMUM COVER OF SIX (6') FEET AND SHALL HAVE TYPE III BEDDING. REFER TO ISPCW SD-301 FOR TYPICAL TRENCH DETAILS.
- THE CONTRACTOR SHALL INSTALL NO. 12 COPPER LOCATOR WIRE IN THE TRENCH WITH ALL WATER MAIN AND SERVICE LINES. LOCATOR WIRE SHALL BE TAPED TO THE TOP CENTER OF THE PIPE AND BROUGHT UP TO THE TOP OF ALL VALVE BOXES, FIRE HYDRANTS AND SERVICES. BLUE TAPE MARKED "WATER" SHALL BE INSTALLED APPROXIMATELY TWO (2') FEET ABOVE ALL WATER MAIN LINES.
- ALL NEW TRACE WIRE INSTALLATIONS SHALL BE LOCATED USING TYPICAL LOW FREQUENCY (512HZ) LINE TRACING EQUIPMENT, WITNESSED BY THE CONTRACTOR AND THE ENGINEER WHEN APPLICABLE. PRIOR TO FINAL ACCEPTANCE. THIS VERIFICATION SHALL BE PERFORMED UPON COMPLETION OF ROUGH GRADING AND AGAIN PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. CONTINUITY TESTING IN LIEU OF ACTUAL LINE TRACING SHALL NOT BE ACCEPTED.
- ALL WATER MAINS AND SERVICE LINES SHALL BE TESTED AND DISINFECTED IN ACCORDANCE WITH ISPCW SECTION 401 PRIOR TO PROJECT ACCEPTANCE.
- ALL WATER MAINS AND SERVICE LINES SHALL BE VISUALLY INSPECTED BY THE PROJECT ENGINEER UNDER WORKING SYSTEM PRESSURE PRIOR TO BACKFILLING IF HYDROSTATIC TESTING IS NOT POSSIBLE WHEN CONNECTING TO EXISTING WATER MAIN LINES IN SERVICE.
- ALL WATER PIPE AND FITTINGS THAT ARE UNABLE TO BE TESTED AND DISINFECTED SHALL BE WASHED/SANITIZED USING A CHLORINE/LIQUID BLEACH SOLUTION UNDER THE PRESENCE OF THE PROJECT ENGINEER PRIOR TO INSTALLATION. LINES ARE TO BE FLUSHED UNDER THE SUPERVISION OF THE ENGINEER AFTER THE COMPLETION OF PROJECT CONSTRUCTION/PRIOR TO BEING RETURNED TO SERVICE.
- DISPOSAL OF SUPER-CHLORINATED DISINFECTION WATER TO BE IN ACCORDANCE WITH THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY'S (IDEQ), DRINKING WATER PROGRAMS GUIDANCE FOR PUBLIC WATER SYSTEM DISPOSAL OF WATER FROM CONSTRUCTION, MAINTENANCE, AND OPERATIONS (APRIL, 2014). CONTRACTOR SHALL SUBMIT A FLUSHING PLAN IN ACCORDANCE WITH THE GUIDANCE TO THE PROJECT ENGINEER PRIOR TO THE START OF ANY FLUSHING TO ENSURE COMPLIANCE WITH PROPER DISPOSAL REQUIREMENTS.
- ANY DISTURBED SOILS SHALL BE RECOMPACTED OR REMOVED AND REPLACED WITH CONTROLLED, COMPACTED FILL. LOOSE LIFT THICKNESS SHALL NOT EXCEED SIX (6) INCHES. FILL SHALL BE COMPACTED TO AT LEAST 98% OF ASTM D698 (STANDARD PROCTOR) WITHIN -3% TO +3% OF OPTIMUM MOISTURE CONTENT. COMPACTION IN TRENCHES SHALL BE OBTAINED USING A VIBRATORY SHEEPS FOOT COMPACTOR.
- SUBGRADE PREPARATION SHALL BE PERFORMED BENEATH ALL PROPOSED PAVEMENTS. THE SOIL SHALL BE SCARIFIED TO A DEPTH OF 12" BELOW SUBGRADE AND RECOMPACTED TO AT LEAST 98% OF ASTM D698 (STANDARD PROCTOR) WITHIN -3% TO +3% OF OPTIMUM MOISTURE CONTENT.
- IF THE EMBANKMENT IS UNSTABLE (AS EVIDENCE BY SPONGINESS OR RUTTING) WHEN COMPACTED TO AT LEAST 98% DENSITY, THE SOILS SHALL BE DRIED TO OBTAIN ADEQUATE STABILITY. THIS MAY REQUIRE DRYING BELOW OPTIMUM MOISTURE. THE SOIL SHALL BE WORKED SO THAT THE MOISTURE CONTENT IS UNIFORM THROUGHOUT. THE CONTRACTOR SHALL PROVIDE A SELF-PROPELLED VIBRATORY SHEEPS FOOT COMPACTOR TO ACHIEVE THE COMPACTION REQUIREMENTS IN THE TRENCHES, IN ADDITION TO THEIR NORMAL COMPACTION REQUIREMENTS. THE PROVIDING OF THIS EQUIPMENT DOES NOT RELIEVE THE CONTRACTOR OF THE NEED TO MANAGE HIS BACKFILL OPERATIONS AND TO ACHIEVE SPECIFIED DENSITIES.
- ALL TOPSOIL IN CONSTRUCTION AREAS SHALL BE STRIPPED AND SEPARATED FROM OTHER INORGANIC SOIL MATERIALS. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT THE MIXING OF TOPSOIL WITH OTHER MATERIALS. THE TOPSOIL SHALL BE RESPREAD TO A DEPTH OF AT LEAST SIX (6) INCHES. REFER TO THE SPECIFICATIONS FOR SEEDING REQUIREMENTS.
- EXCESS MATERIAL (TOPSOIL/CLAY/GRAVEL, ETC.) SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE.
- CONTRACTOR SHALL PLACE EROSION CONTROLS AS NECESSARY DURING CONSTRUCTION. FINAL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED WITHIN 30 DAYS OF COMPLETING UNDERGROUND UTILITY CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN SITE AND SHALL CORRECT ANY EROSION ISSUES IMMEDIATELY.
- SEEDING TYPE, LOCATION, AND APPLICATION RATES SHALL BE PER LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL SALVAGE, STOCKPILE, AND RE-SPREAD ALL TOPSOIL IN DISTURBED AREAS. TOPSOIL SHALL BE RE-SPREAD TO THE ORIGINAL DEPTH ENCOUNTERED DURING EXCAVATION. ALL TOPSOIL SHALL BE PREPARED FOR SEEDING.
- CONTRACTOR SHALL WARRANTY SEEDING UNTIL VEGETATION IS ESTABLISHED AT A RATE OF NOT LESS THAN 80% COVERAGE.
- SEEDING SHALL BE PLACED ON ALL DISTURBED AREAS AFTER THE TOPSOIL HAS BEEN SPREAD AND PREPARED FOR SEEDING WITH ITD CLASS II SEED AND FERTILIZER. SEED AND FERTILIZER SHALL BE APPLIED PER ITD STANDARD SPECIFICATIONS FOR CLASS II GRASS SPECIES.

GRADING, DRAINAGE, AND EROSION CONTROL NOTES:

PROPOSED TOPOGRAPHY FEATURES

	Proposed Topographic Contour (Major)
	Proposed Topographic Contour (Minor)
	Proposed Curb & Gutter
	Sign (Single or Double Post)
	Post or Bollard
	Mail Box
	Asphalt Pavement Hatch
	Concrete Pavement Hatch
	Gravel Pavement Hatch

PROPOSED UTILITIES

	Sanitary Sewer Force Main
	Sanitary Sewer Manhole
	Sanitary Sewer Cleanout
	Sanitary Sewer Gravity Main
	Storm Sewer Catch Basin
	Storm Sewer Inlet Manhole
	Storm Sewer Manhole
	Storm Sewer End Section
	Storm Sewer Gravity Main
	Water Manhole
	Fire Hydrant
	Water Valve
	Water Curb Stop
	Water Main
	Water Fittings
	Water Reducer
	Water Cap

NOTE:

THIS IS A GENERAL LIST OF SYMBOLS, LINES AND ABBREVIATIONS. NOT ALL ARE USED ON THIS PROJECT AND SOME MAY NOT BE SHOWN.

GENERAL ABBREVIATIONS

A/C	-Air Conditioning	IM	-Iron Monument	U	-U Post
ARV	-Air Release Valve	IN	-Inch	UV	-Ultra Violet
ASME	-American Society Of Mechanical Engineers	INV	-Invert Elevation		
ASTM	-American Society Of Testing Materials	IP	-Iron Pin		
AVAR	-Air Vacuum And Air Release			J	-Joint
				VERT	-Vertical
				VCP	-Vitrified Clay Pipe
BF	-Blind Flange				
BFP	-Backflow Preventer	M	-Meter		
BLDG	-Building	MFR	-Manufacturer	W	-Water
BLVG	-Butterfly Valve	MGD	-Million Gallons Per Day	W/	-With
		MH	-Manhole	W/O	-Without
		MISC	-Miscellaneous	WS	-Water Surface
C	-Concrete	MJ	-Mechanical Joint	WSP	-Welded Steel Pipe
CB	-Catch Basin	MTR	-Motor		
CF	-Cubic Foot			X	Chisel 'X'
CFS	-Cubic Feet Per Second				
CI	-Cast Iron				
CJ	-Construction Joint	NC	-Normally Closed	Y	-Yard
		NG	-Natural Gas	YR	-Year
		NO	-Normally Open		
CL	-Centerline	NPS	-Nominal Pipe Size		
CLR	-Clear	NPT	-National Pipe Thread		
CMP	-Corrugated Metal Pipe	NTS	-Not To Scale	Z	-Zoning
CMU	-Concrete Masonry Unit			ZON	-Zoning
CO	-Cleanout				
CPLG	-Coupling	OC	-On Center		
CU	-Cubic	OD	-Outside Diameter		
CV	-Check Valve	OF	-Overflow		
CY	-Cubic Yard				
		PV	-Pavement		
		PG	-Pressure Gauge		
DTL	-Detail	PI	-Point Of Intersection		
DI	-Ductile Iron	PRV	-Pressure Reducing Valve		
DIA	-Diameter	PSI	-Pounds Per Square Inch		
DIM	-Dimension	PVC	-Polyvinyl Chloride		
DIP	-Ductile Iron Pipe				
DR	-Drain				
DWG	-Drawing	QTY	-Quantity		
EX	-Existing	R	-Rebar		
ECC	-Eccentric	RCP	-Reinforced Concrete Pipe		
EL	-Elevation	RED	-Reducer		
EP	-Edge Of Pavement	RJ	-Restrained Joint		
EJ	-Expansion Joint				
		S	-Slope		
FCO	-Floor Clean Out	SF	-Silt Fence		
FD	-Floor Drain	SHT	-Sheet		
FF	-Finish Floor	SIM	-Similar		
FG	-Finish Grade	SPECS	-Specifications		
FH	-Fire Hydrant	SS	-Sanitary Sewer		
FL	-Flanged	SSMH	-Sanitary Sewer Manhole		
FT	-Feet	ST	-Storm Sewer		
FM	-Force Main	STA	-Station		
		STD	-Standard		
GAL	-Gallon	STL	-Steel		
GL	-Glass	STMH	-Storm Sewer Manhole		
GPM	-Gallons Per Minute				
GV	-Gate Valve				
GYP	-Gypsum				
		T			
H/B	-Hose Bibb	TBC	-Top Back Curb		
HP	-Horsepower	TEMP	-Temporary		
HVAC	-Heating And Air Conditioning	T&G	-Tongue And Groove		
HWL	-High Water Level	TK	-Tank		
		TOC	-Top Of Concrete		
		TOG	-Top Of Grout		
		TOW	-Top Of Wall		
		TYP	-Typical		
ID	-Inside Diameter				

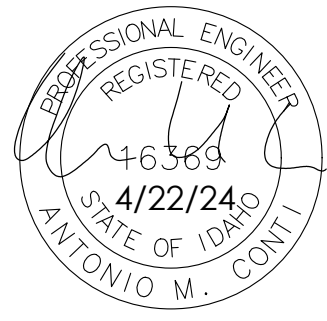


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ITD FAIRFIELD MOBILE HOME UNITS
 FAIRFIELD, ID

PROJECT NUMBER

SHEET TITLE:

NOTES & LEGEND

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS OR SPECIFICATIONS

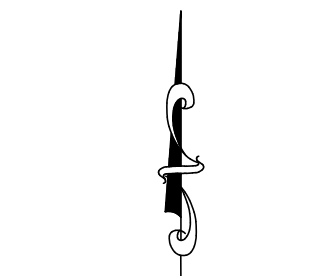
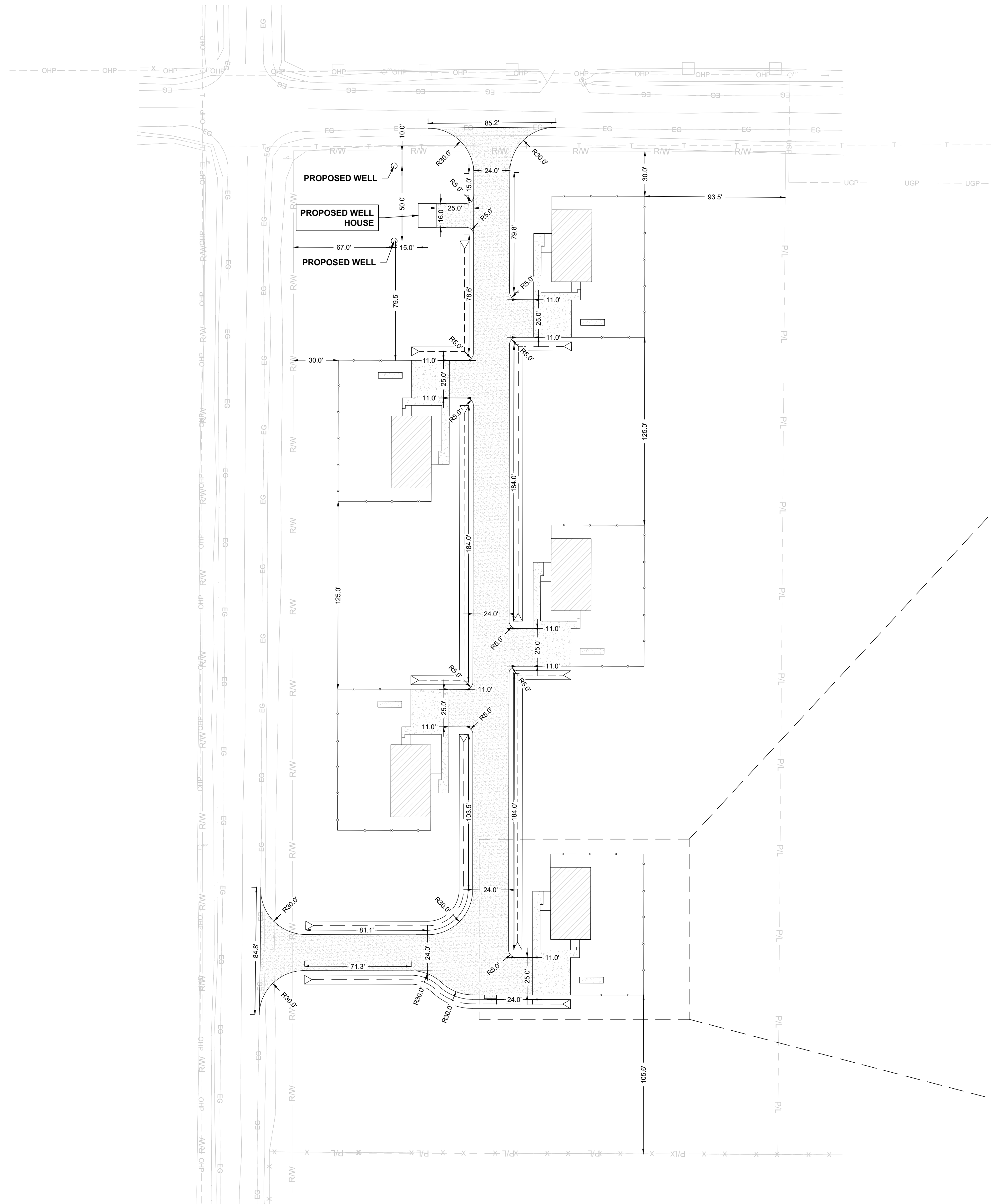
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ARCH. JOB NUMBER: 24626

SHEET ISSUED DATE: April 2024

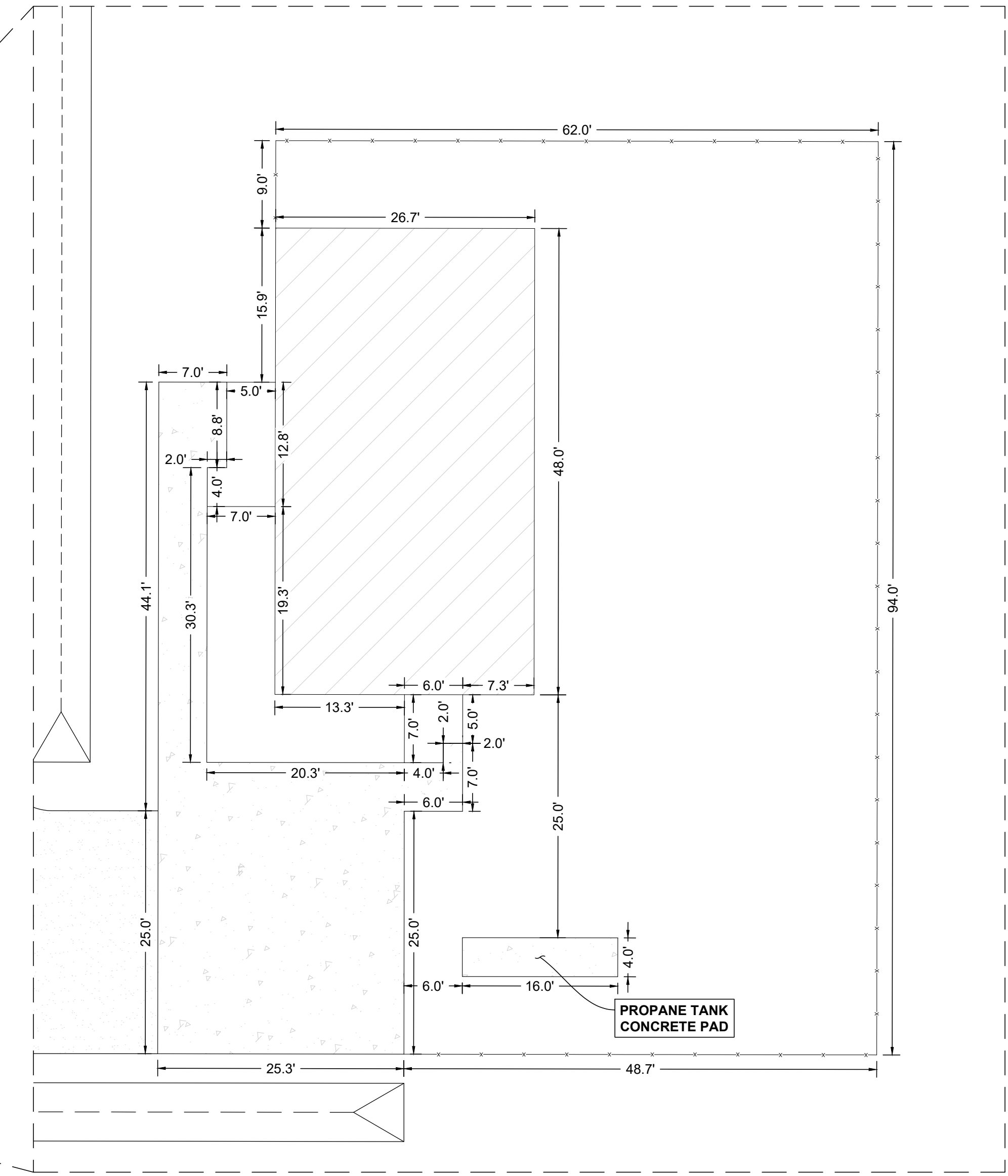
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Graphic Scale:
 Attention is Drawn to the Fact That Drawing Scales May be Altered During Reproduction Processes. Scales Shown Hereon are Based on a Full Scale Sheet Size of 22" x 34".
 Scale: 1" = 40'

GENERAL NOTES

- ALL DIMENSIONS ARE FROM EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.



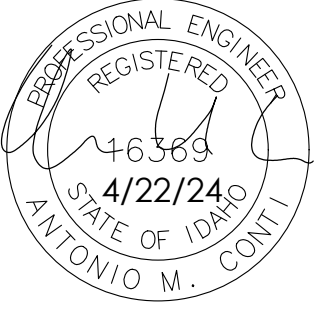
BUILDING DETAIL (TYP. ALL)
 SCALE: 1" = 10'



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PROJECT
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SITE LAYOUT

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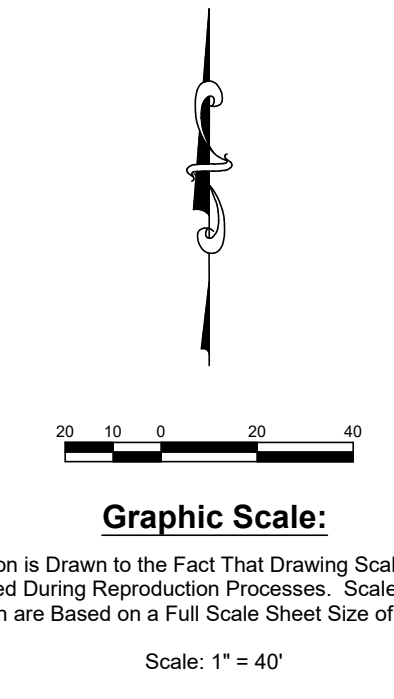
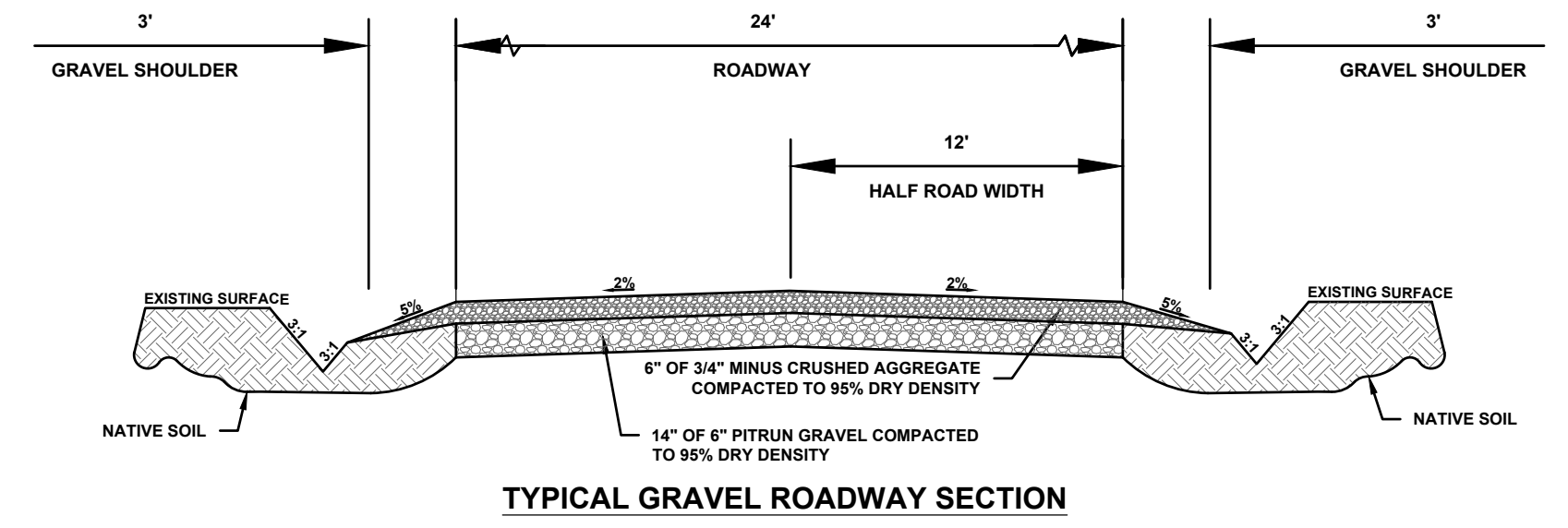
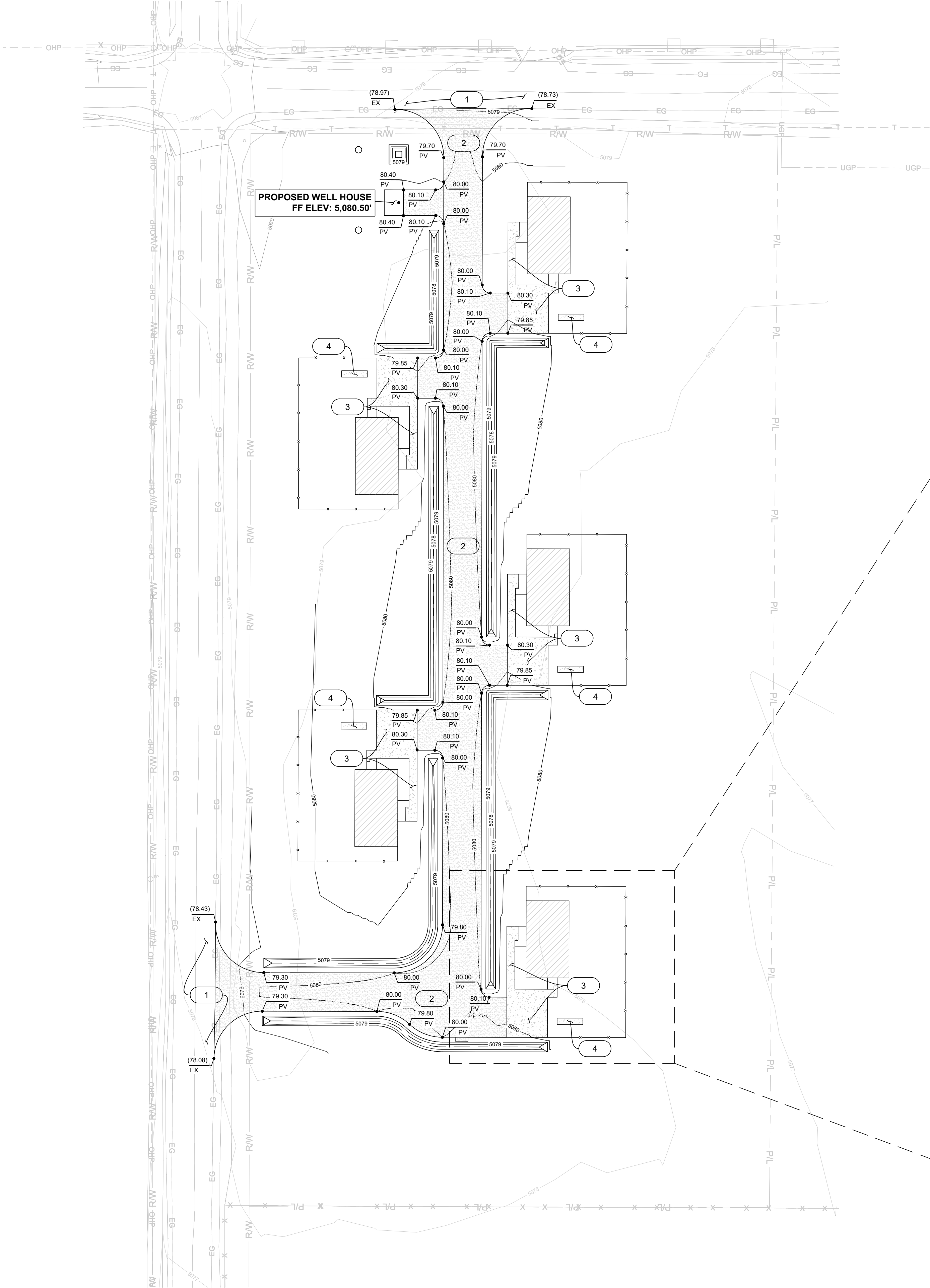
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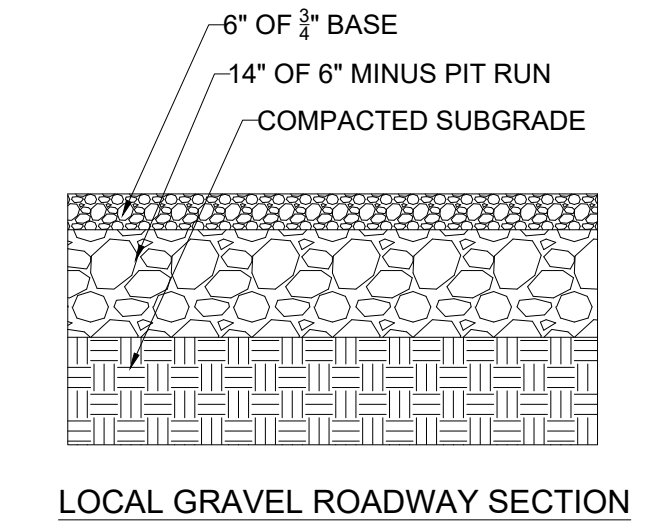
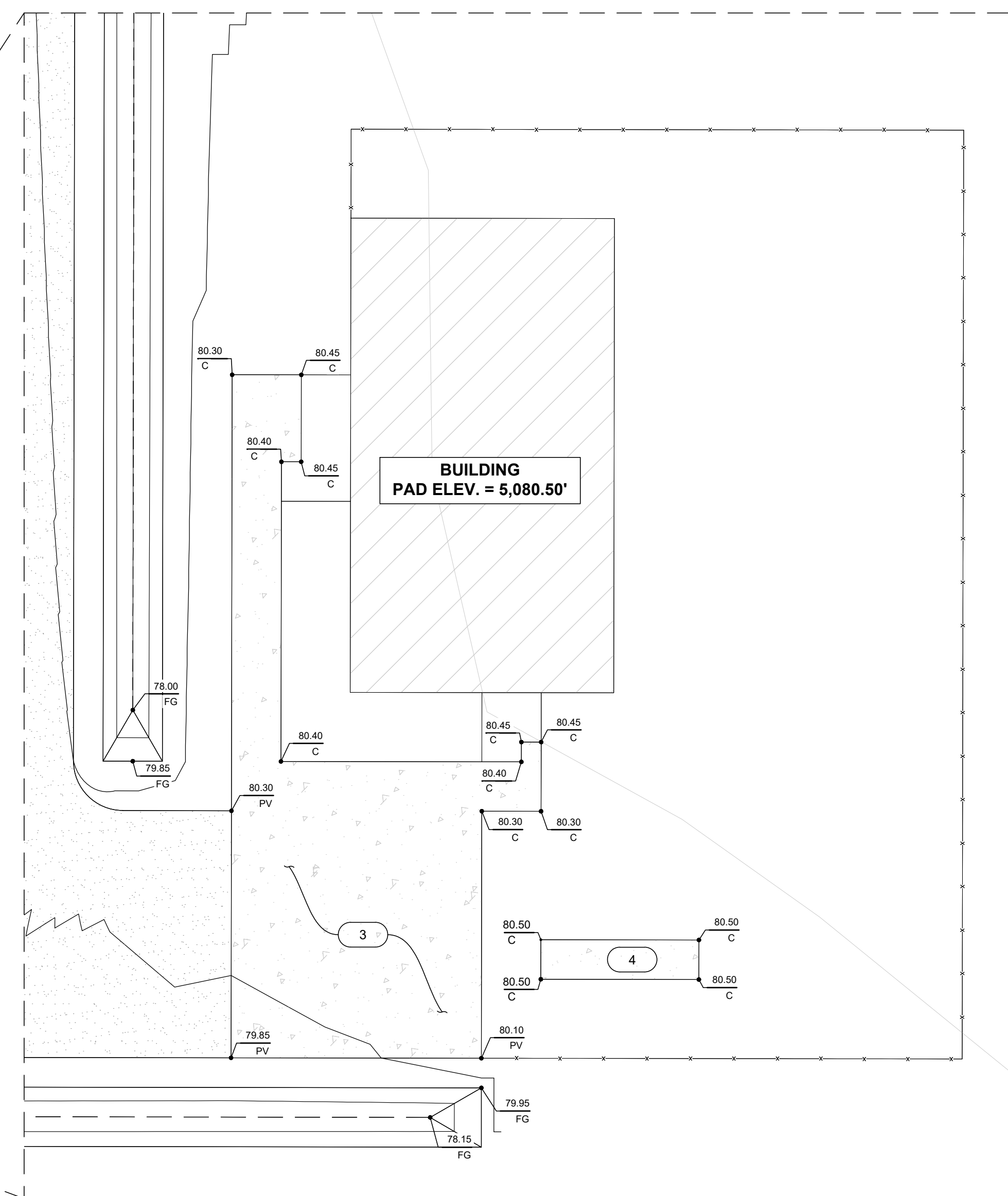


GENERAL CONSTRUCTION NOTES:

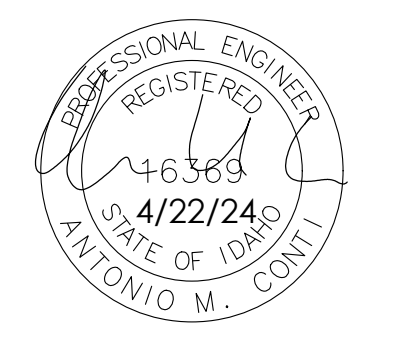
1. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY ALL UTILITY COMPANIES PRIOR TO THE START OF CONSTRUCTION AND TO LOCATE AND VERIFY ALL UNDERGROUND UTILITIES. CALL DIGLINE: 1-800-795-0555
2. THE BIDDER SHALL VISIT THE SITE AND SHALL INCLUDE IN HIS BID ALL COSTS NEEDED TO DO THE PROJECT WITH THE SOILS AND UTILITIES AS THEY EXIST.
3. THE CONTRACTOR SHALL PROTECT THE EXISTING ROADS FROM DAMAGE. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE EXISTING ROADS CAUSED BY CONSTRUCTION ACTIVITIES AND IS TO KEEP ROADS CLEAR OF SILT TRACKING AND DEBRIS.

GRADING NOTES:

- 1 MATCH EXISTING GRAVEL ROADWAY
- 2 CONSTRUCT GRAVEL ROADWAY PER TYPICAL SECTION BELOW. GRAVEL ROADWAY SHALL BE 6" OF TYPE 1 3/4" MINUS CRUSHED AGGREGATE BASE COURSE ON TOP OF 14" OF 6" GRAVEL PITRUN. SUBGRADE MATERIAL COMPACTED TO 98% DENSITY.
- 3 CONSTRUCT CONCRETE SIDEWALK PER ISPWC SD-709.
- 4 CONSTRUCT 16.0'L x 4.0'W CONCRETE PAD FOR PROPANE TANK. SECTION SHALL BE 5" OF CONCRETE ON 6" OF AGGREGATE BASE. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 5,000 PSI @ 28 DAY MINIMUM.



BUILDING PAD DETAIL (TYP. ALL)
SCALE: 1" = 10'



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GRADING PLAN

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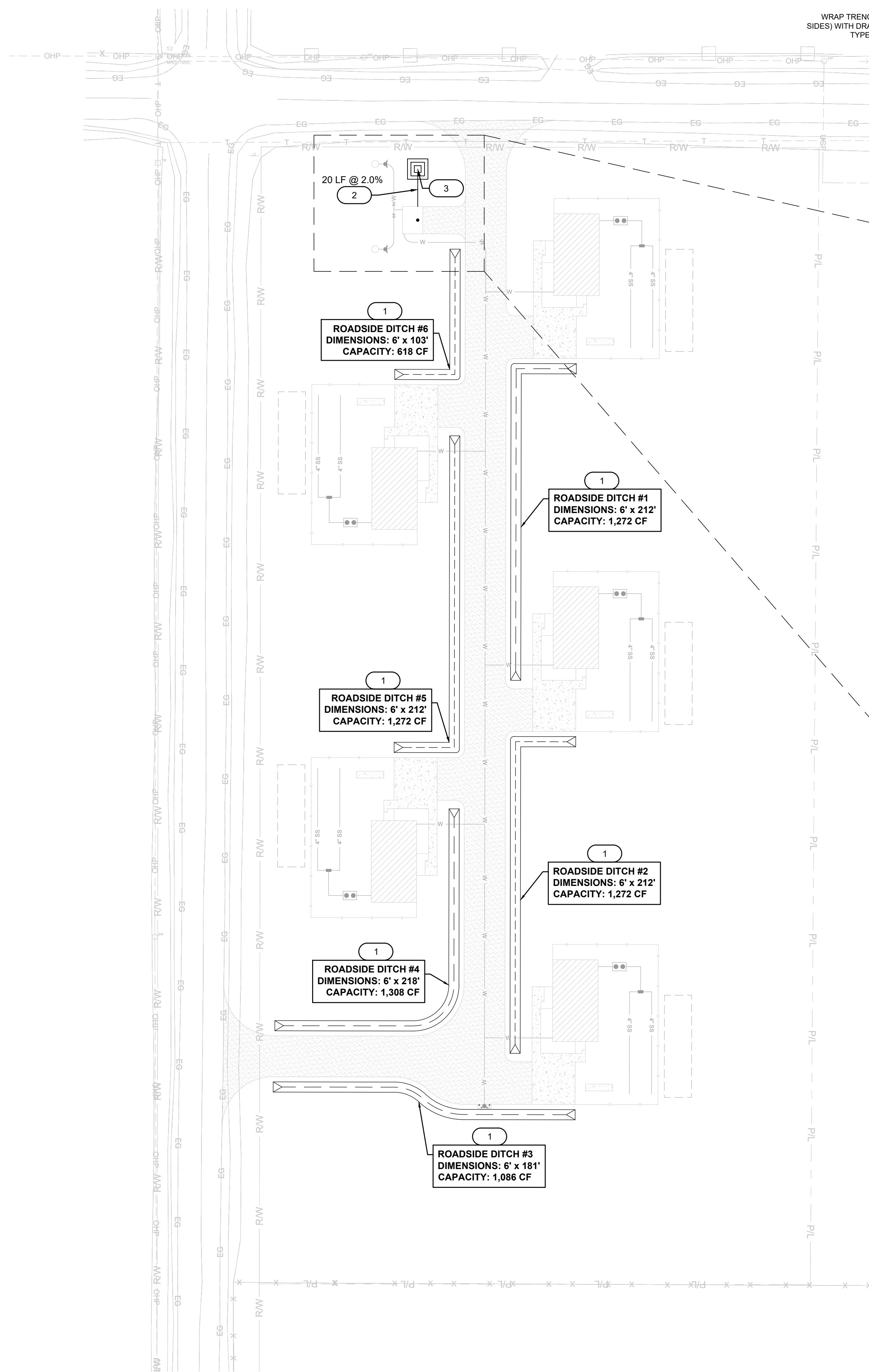
REVISION	DATE

CLIENT PROJ. NUMBER: ITD24-0323
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SHEET ISSUED DATE: April 2024

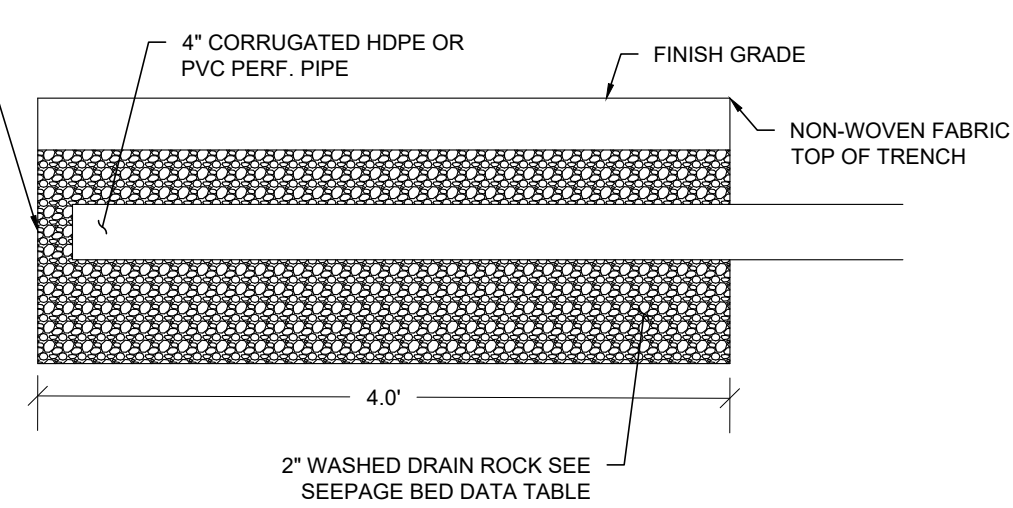
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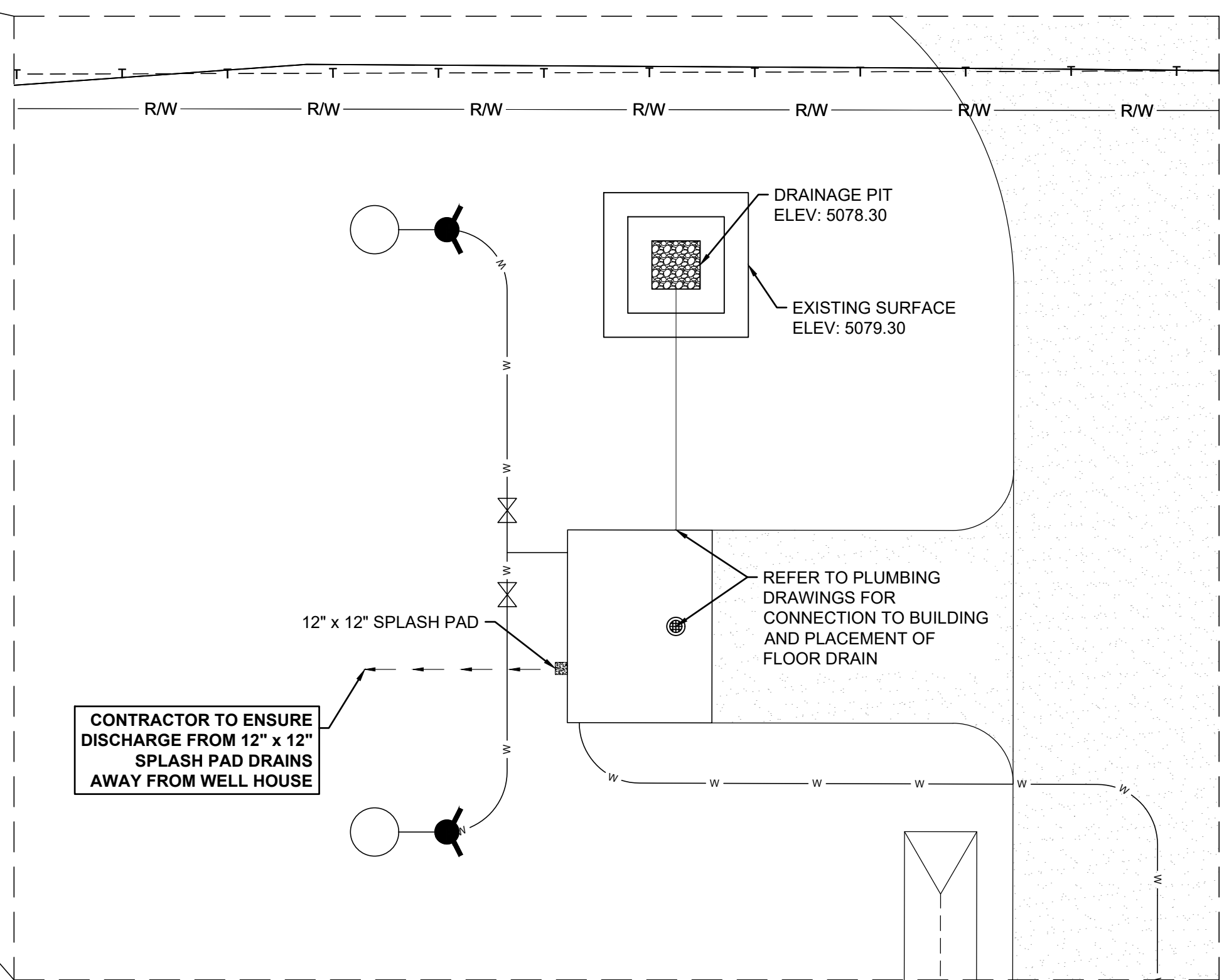
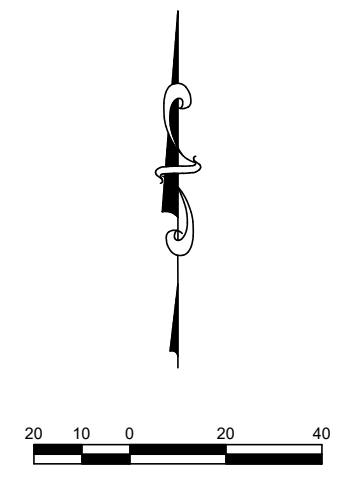
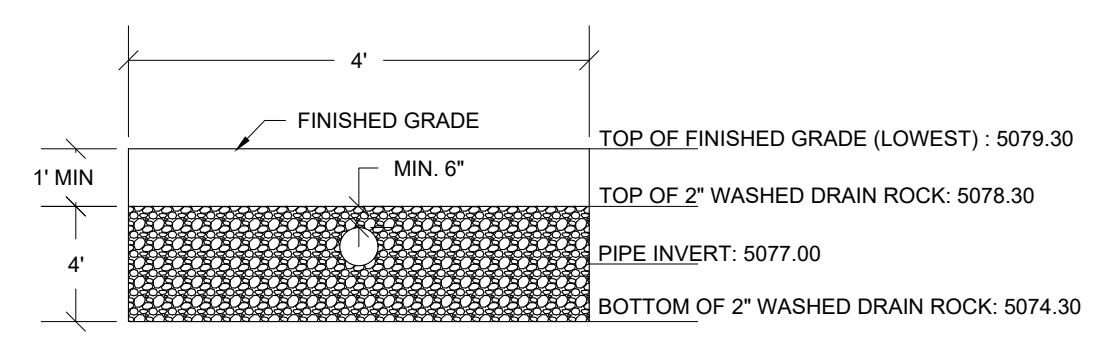
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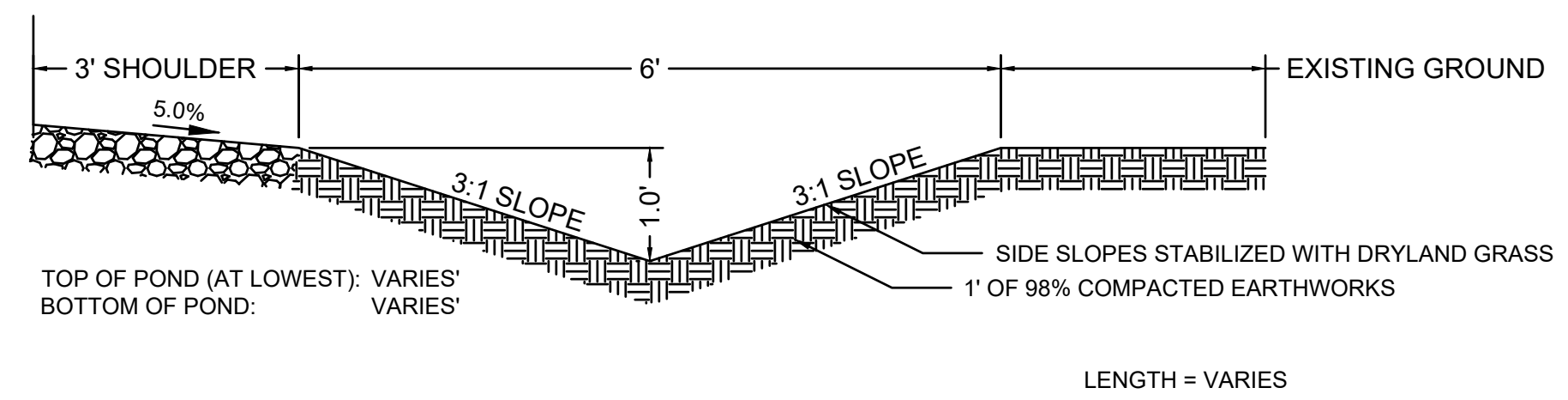
WRAP TRENCHES (ON ENDS AND SIDES) WITH DRAINAGE GEOTEXTILE TYPE 1 (ISPC SEC 2060)



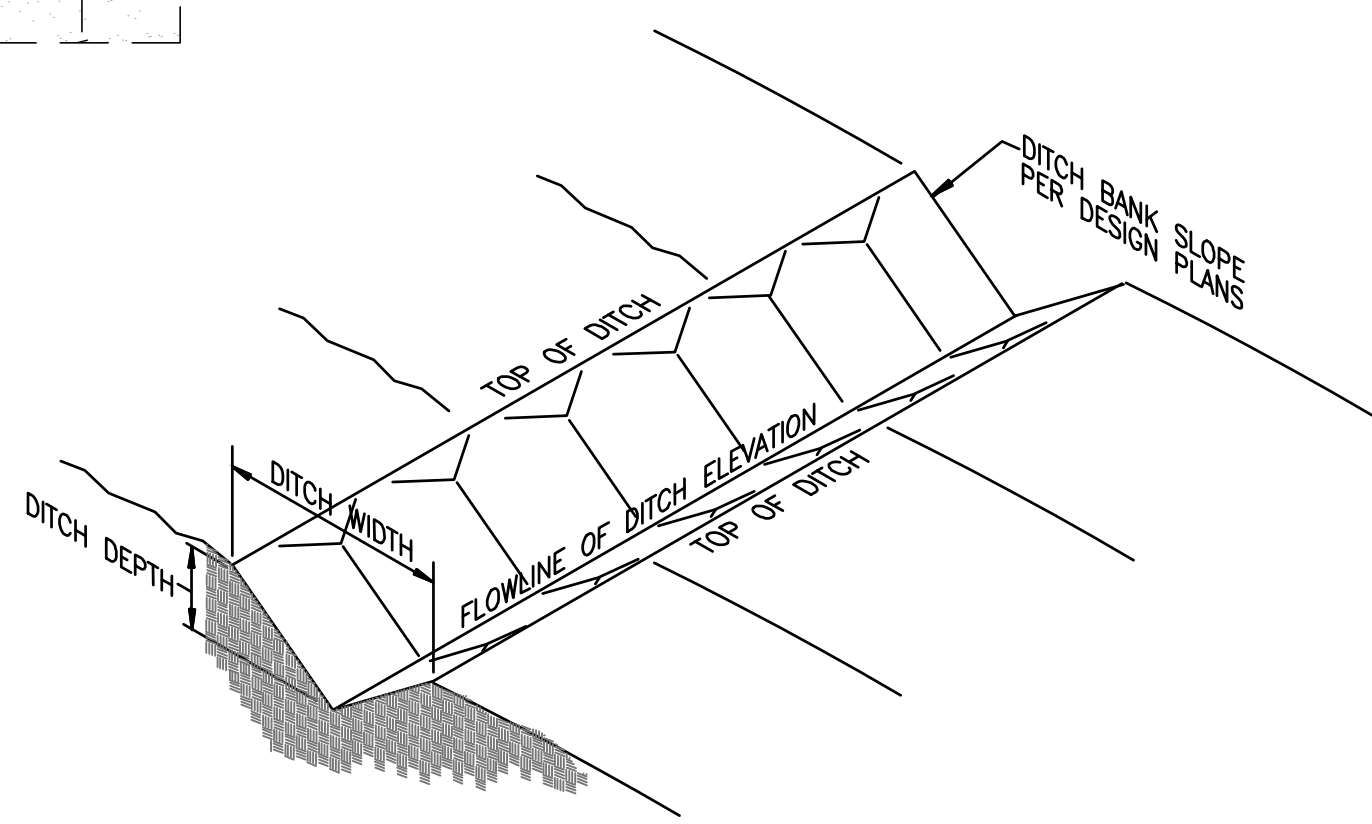
DRAINAGE PIT SECTION
N.T.S



DRAINAGE PIT DETAIL
SCALE: 1" = 10"



DITCH BANK DETAIL
N.T.S



CUT DITCH - TYPE A DETAIL
N.T.S

DRAINAGE PLAN GENERAL NOTES

- ENGINEER MUST VERIFY THE INFILTRATION RATE AFTER THE FACILITY IS FULLY EXCAVATED.
- CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF GROUNDWATER IS ENCOUNTERED WITHIN 3-FEET OF THE BOTTOM DESIGN ELEVATION FOR ANY INFILTRATION FACILITY AND/OR IF GROUNDWATER IS HIGHER THAN ANTICIPATED.

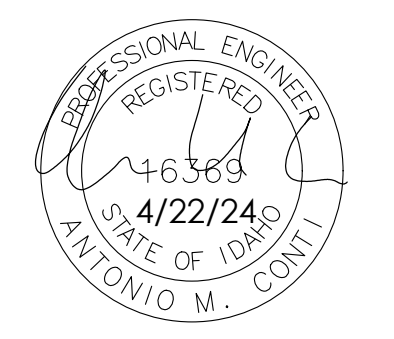
DRAINAGE PLAN KEY NOTES

- CONSTRUCT ROADSIDE DRAINAGE DITCH PER DETAIL OF THIS SHEET. REFER TO THE ISPCW STD DWG SD-621.
- INSTALL 4" PVC PIPE @ 2.0% MIN SLOPE. LENGTH AS INDICATED ON PLAN. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION AT WELL HOUSE.
- INSTALL 4.0'W x 4.0'L x 4.0'D DRAINAGE PIT IN LOW AREA WITH 4" PERFORATED PIPE.

DRAINAGE DITCH TABLE				
NAME	LENGTH	TOP OF DITCH	BOTTOM OF DITCH	TOP WIDTH
ROADSIDE DITCH #1	80'-0"	5079.650	5078.650	6'-0"
ROADSIDE DITCH #2	212'-0"	5079.650	5078.650	6'-0"
ROADSIDE DITCH #3	181'-0"	5079.150	5078.150	6'-0"
ROADSIDE DITCH #4	218'-0"	5079.150	5078.150	6'-0"
ROADSIDE DITCH #5	212'-0"	5079.650	5078.650	6'-0"
ROADSIDE DITCH #6	103'-0"	5079.650	5078.650	6'-0"

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ITD FAIRFIELD MOBILE HOME UNITS
FAIRFIELD, ID

SHEET TITLE:
DRAINAGE PLAN

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS OR SPECIFICATIONS

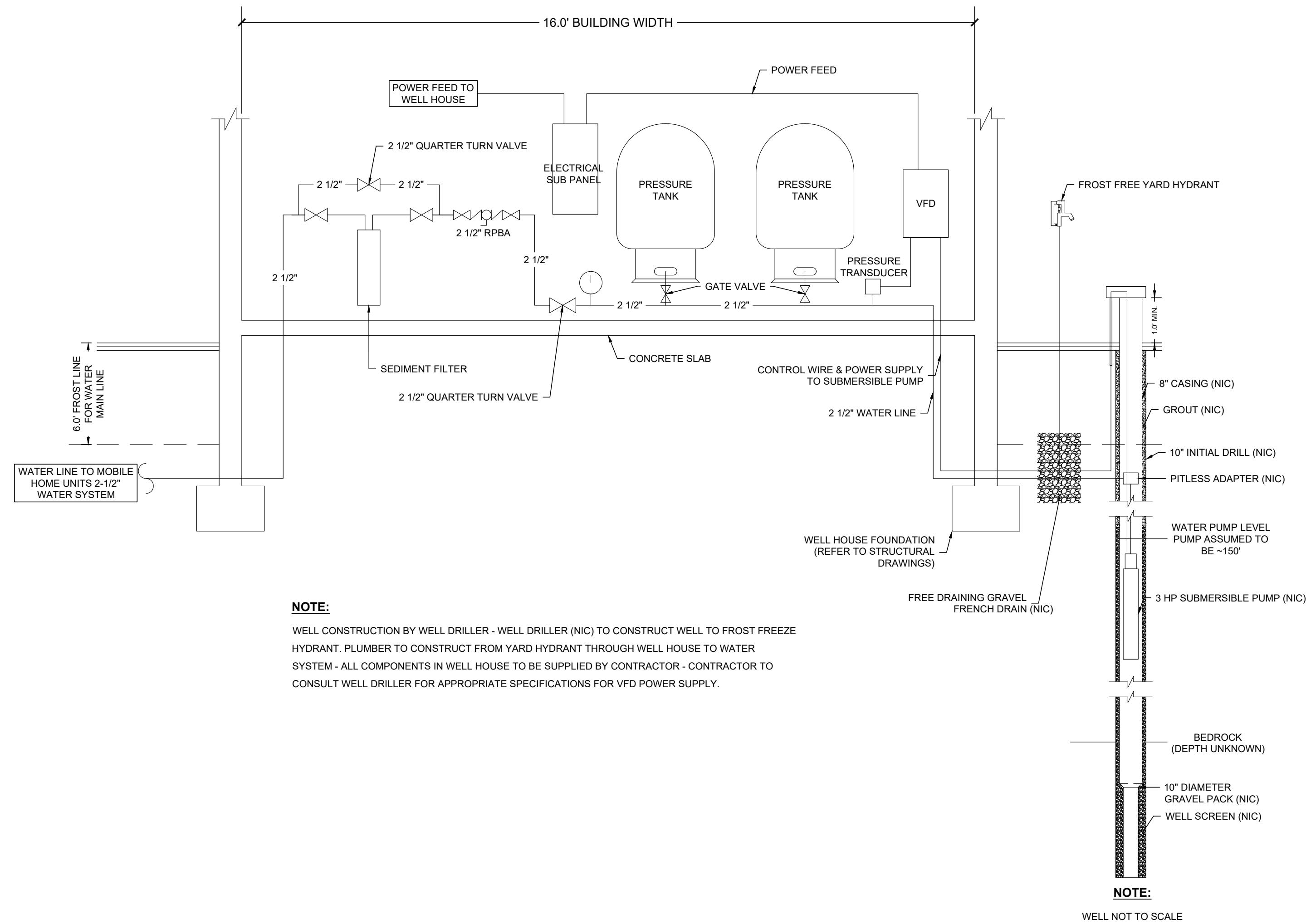
REVISION DATE

CLIENT PROJ. NUMBER: ITD24-0323

ARCH. JOB NUMBER: 24626

SHEET ISSUED DATE: April 2024

SHEET **C6.0**

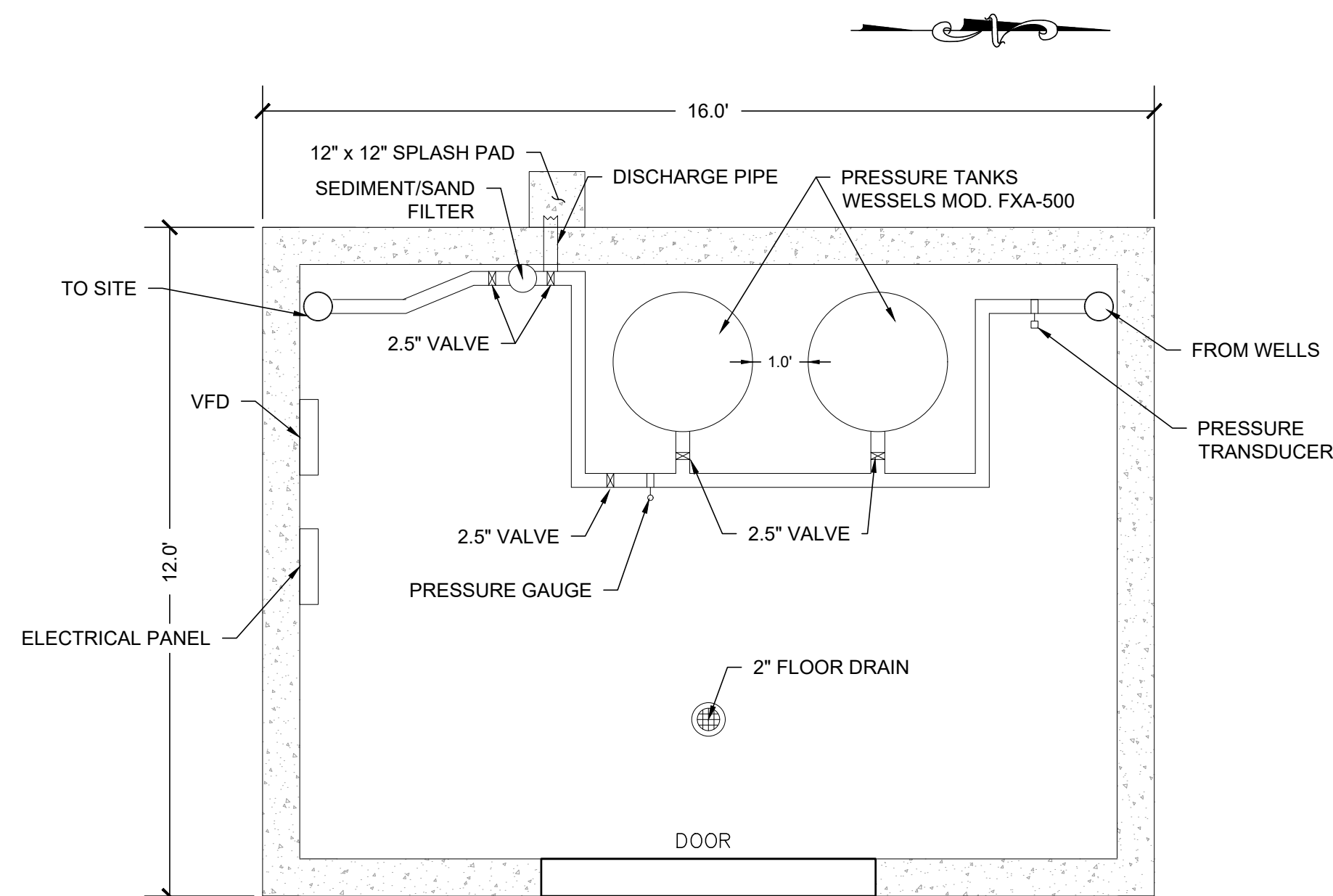


NOTE:
 WELL CONSTRUCTION BY WELL DRILLER - WELL DRILLER (NIC) TO CONSTRUCT WELL TO FROST FREEZE HYDRANT. PLUMBER TO CONSTRUCT FROM YARD HYDRANT THROUGH WELL HOUSE TO WATER SYSTEM - ALL COMPONENTS IN WELL HOUSE TO BE SUPPLIED BY CONTRACTOR - CONTRACTOR TO CONSULT WELL DRILLER FOR APPROPRIATE SPECIFICATIONS FOR VFD POWER SUPPLY.

NOTE:
 WELL NOT TO SCALE

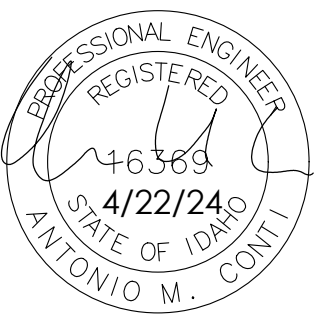
GENERAL WELL NOTES:

- 2-1/2" WATER MAIN TO ENTER AND LEAVE BUILDING WHERE SHOWN THROUGH FLOOR SLAB. WATER LINE SHALL HAVE A BURY DEPTH OF SIX FEET (6') BELOW FINISHED ELEVATION.
- FURNISH AND INSTALL A 132 GALLON 30" DIAMETER X 57" (HIGH) PRE-CHARGED STEEL WATER WELL & PRESSURE BOOSTER EXPANSION TANK WITH REPLACEABLE HEAVY-DUTY BUTYL BLADDER. THE TANK SHALL HAVE NPT EPOXY LINED SYSTEM CONNECTION (STANDARD TIRE VALVE) TO FACILITATE THE ON-SITE CHARGING OF THE TANK TO MEET SYSTEM REQUIREMENTS. A PRESSURE GAUGE, AND BLADDER INTEGRITY MONITOR. THE TANK MUST BE CONSTRUCTED IN ACCORDANCE WITH MOST RECENT ADDENDUM OF SECTION VIII DIVISION 1 OF THE ASME BOILER AND PRESSURE VESSEL CODE. PRODUCTS COMPLY WITH NSF/ANSI STANDARD 61. EACH TANK SHALL BE WESSELS MODEL NUMBER FXA-500 OR APPROVED EQUAL.
- THE WATER PUMP IS TO BE A GOULDS SUBMERSIBLE WELL PUMP, MODEL 25GS30 WITH 3 HP OR APPROVED EQUAL. (NIC)
- ALL INTERIOR PIPING SHALL BE 2-1/2" PVC SCHEDULE 80 OR APPROVED EQUAL.
- ALL VALVES SHALL BE BRASS. ALL OTHER FITTINGS SHALL BE SCHEDULE 80 PVC OR BRASS.
- WATER PUMP AND WATER TANK DIMENSIONS ARE APPROXIMATE. ENSURE INTERIOR PIPING WITH ENGINEER PRIOR TO FINISH INSTALLATION.
- ALL FITTINGS AND PARTS REQUIRED FOR THE INTERIOR PIPING SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PROCESS PLUMBING & APPURTENANCES".
- EXTERIOR LOCKABLE HOSEBIB SHALL BE ZURN Z1320XL KEY OPERATED 3/4", ANTI SIPHON, SELF-DRAINING, KEY OPERATION, SS BOX, GARDEN HOSE OUTLET, OR APPROVED EQUAL.
- SECURE ALL PIPING TO WALL WITH PIPE CLAMPS.
- CONTRACTOR TO COORDINATE WITH WELL DRILLER FOR PUMP INFORMATION.
- THE DESIGN RELIES ON A PRESSURE OF 70 PSI, WITH A PUMP CAPACITY OF 25 GPM DIRECTED TO EACH WELL. THE PUMP IS ASSUMED TO BE LOCATED 150 FEET BELOW GROUND SURFACE (BGS).



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ITD FAIRFIELD MOBILE HOME UNITS
 FAIRFIELD, ID

PROJECT NUMBER

SHEET TITLE:

WELL DETAILS

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

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DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS or SPECIFICATIONS

REVISION	DATE

CLIENT PROJ. NUMBER: ITD24-0323

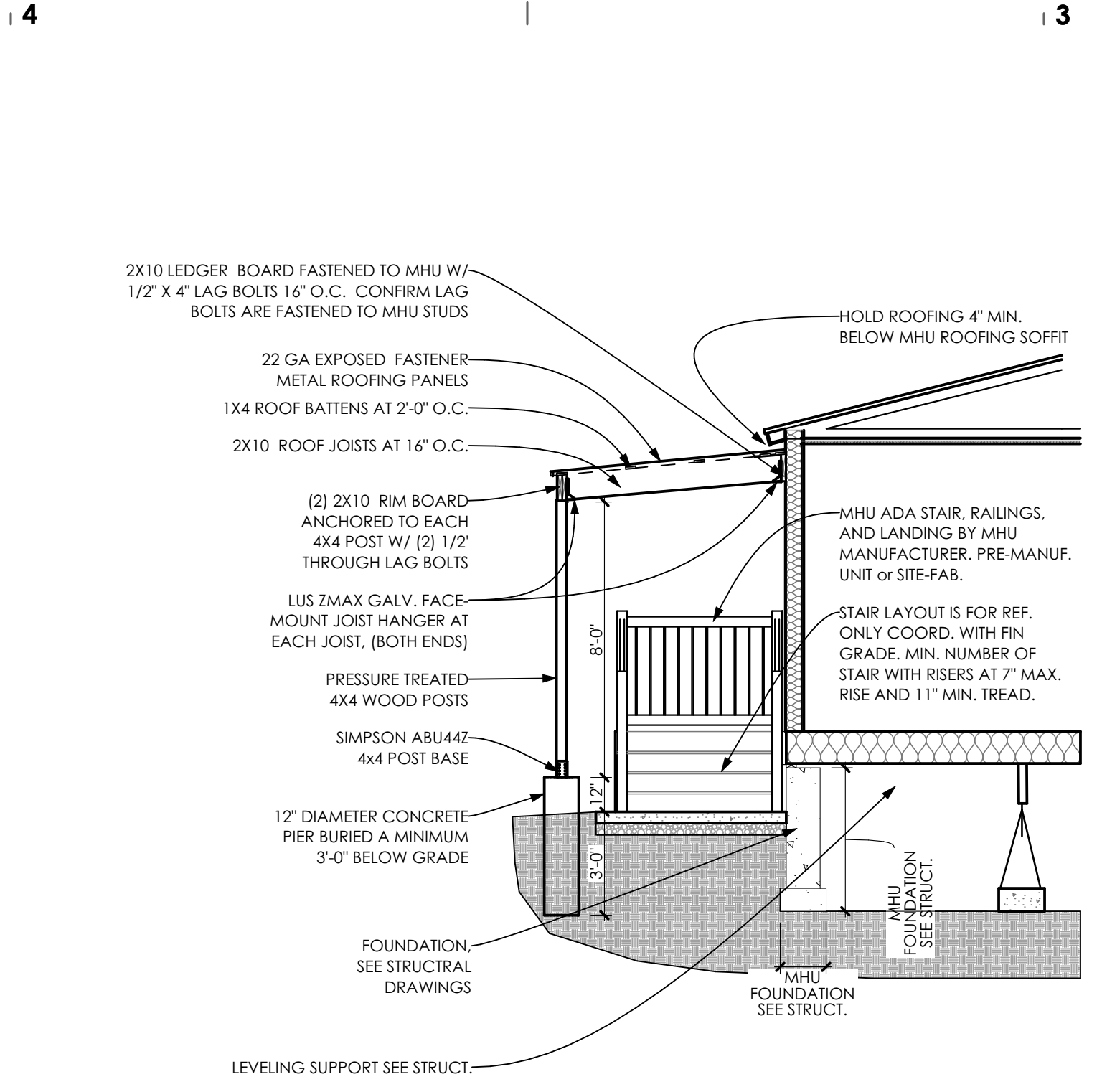
ARCH. JOB NUMBER: 24626

SHEET ISSUED DATE: April 2024

SHEET **C7.0**

24626 ITD Fairfield Mobile Home Units (Fairfield ID).pln 05/03/24 9:43 AM

AGENCY STAMP



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

DESIGN CRITERIA		SELECTED OPTIONS			
IRC 2012 TETON COUNTY, IDAHO; SEISMIC DESIGN CATEGORY: GROUND SNOW LOAD: WIND LOAD: LIVE LOAD: FROST DEPTH: ELEVATION:	D1 90 PSF 90 MPH, 3 SEC. GUSTS SNOW 150 PSF 36 IN 5000-7000 FT	NOTE: PROPANE IS THE FUEL SOURCE FOR THE BUILDING. FOR ALL GAS APPLIANCES, EQUIPMENT ECT. . . PROPANE TANK AND SUPPLY LINE IS OWNER FURNISHED AND INSTALLED	P230WI-WAVERLY CREST PRESTIGE-28483N PACKAGES FAUCETS - SINGLE LEVER T/O PACKAGE - APPLIANCE - ESSENTIAL GAS & STAINLESS PACKAGE - ENERGY STAR E-STAR PACKAGE: ***SEE "UTILITY" FOR FURNACE OPTION*** ***SEE "UTILITY" FOR 50 GAL WATER HEATER*** 6-PANEL IN-SWING FRONT DOOR 9-LITE IN-SWING REAR DOOR R-40 ROOF INSULATION R-21 WALL INSULATION E-STAR PROGRAMMABLE THERMOSTAT VINYL WINDOWS T/O 25 WATT WHOLE HOUSE FAN R-8 INSULATED FLEX DUCT (WHEN APPLICABLE) 2 EACH 1/2" GALVANIZED ELBOWS (WHEN APPLICABLE) 1 BOX OF 6 MIL BLACK POLY STRUCTURAL DUCTS - IN FLOOR CROSSOVER THERMAL PLUMBING ELECTRICAL ELECTRIC SERVICE - 200 AMP FLOORS CARPET - MACRAME CABINERY BASE CAB - DRAWERS OVER DOORS IN KITCHEN ONLY CAB DOORS - STILES HARDWOOD RAISED PANEL - MESQUITE WITH CABINET-MATCHED LUAN THROUGHOUT KITCHEN DISHWASHER - STAINLESS STEEL MICROWAVE-STAINLESS STEEL RANGE-GAS-SELF CLEANING- STAINLESS STEEL REFRIGERATOR-28 CF SxS-STNLS STEEL FAUCET-SINGLE LEVER- GOOSENECK w/PULL DOWN SPRAYER SINK-KITCHEN-FARMHOUSE-STAINLESS STEEL UTILITY ROOM DRAIN LINE - WATER HEATER INSTALLED FLOOR REGISTER - TOW KICK (EG) FURNACE - GAS WTR HTR - 50 GALLON GAS INTERIOR SHELVES - WOOD w/POLE - WHITE SHIP LOOSE - 3" INTERIOR TRIM BOARD - CENTER WINDOW SILLS - UPGRADE EXTERIOR FOUNDATION READY ROOF LOAD - 100 LBW/3:12 ROOF PITCH - 28" WIDE (PER LF)		
BASIS OF CRITERIA 230WI-WAVERLY CREST-28483N BY FLEETWOOD					
EXTERIOR FINISHES - LOT 3					
EXTERIOR BASE: EXTERIOR TRIM: EXTERIOR ACCENT: EXTERIOR SHUTTER:	PAINT - RETREAT PAINT - SNOWBOUND PAINT - HOMESTEAD BROWN -	EXTERIOR FASCIA: EXTERIOR WAHNSCOT: ROOF COLOR: WINDOW TREATMENT: CAB COLOR:	DUAL BLACK ARCH MESQUITE		
EXTERIOR FINISHES - LOT 4					
EXTERIOR BASE: EXTERIOR TRIM: EXTERIOR ACCENT: EXTERIOR SHUTTER:	PAINT - HOMESTEAD BROWN PAINT - SNOWBOUND PAINT - RETREAT -	EXTERIOR FASCIA: EXTERIOR WAHNSCOT: ROOF COLOR: WINDOW TREATMENT: CAB COLOR:	DUAL BLACK ARCH MESQUITE		
EXTERIOR FINISHES - BOTH LOT 3 LOT 4					
	INTERIOR WALL COLOR/ ACCENT	COUNTERTOP	COUNTER EDGE	BACK SPLASH	FLOOR COVERING
KITCHEN	T&T PORCELAIN	DRAMA MARBLE		DRAMA MARBLE	DF 9656 VINYL
M BATH	T&T PORCELAIN	DRAMA MARBLE		DRAMA MARBLE	DF 9656 VINYL
G BATH	T&T PORCELAIN	DRAMA MARBLE		DRAMA MARBLE	DF 9656 VINYL
UTILITY	T&T PORCELAIN				DF 9656 VINYL
MBED	T&T PORCELAIN				MACROME-PUMICE STONE
2 BED	T&T PORCELAIN				MACROME-PUMICE STONE
3 BED	T&T PORCELAIN				MACROME-PUMICE STONE
LIV RM	T&T PORCELAIN				MACROME-PUMICE STONE
DINING	T&T PORCELAIN				DF 9656 VINYL
ENTRY	T&T PORCELAIN				DF 9656 VINYL
SELECTED OPTIONS					

PRESTIGE STANDARD LIVING FEATURES
SCALE: 1" = 1'-0"

PRESTIGE SERIES
Fleetwood Homes

Prestige Standard Living Features

Exterior
LP Smart Panel exterior siding
Extended window lintel trim above FDS windows & door
4" trim on remaining windows
Dormer(s) w/fascia mounted starburst per plan
6" eaves around home on 28" wide
10" eaves around home on 30" wide
Wainscot accent paint on FDS

Interior / Finish Walls
Mantra - 15 oz. Carpet - shipped loose
7/16" - 7# Carpet pad - shipped loose
Vinyl flooring in wet areas & per plan
Tape & texture walls though-out w/rounded corners
2 1/4 baseboards T/O
Closets & Pantries painted drywall & molding
Textured (orange peel) ceiling matched paint to room
Faux beam coffered ceiling w/chandelier in dining room
Barn wood entertainment shelf and columns per plan
Wire closet & pantry shelves
White window trim & window sills - no T&T
Entry lino

Doors & Windows
36" In-swing front door w/deadbolt
36" In-swing rear door w/deadbolt
Vinyl clad thermo-pane windows with Low "E"
Craftsman style white interior doors
Residential style mortise door hinges (3)
2 1/2" door trim w/1" flat back of closet doors
Floor mount door stops
12" wood valances L/R, F/R, D/R, All Beds, KIT

Kitchen
18 cu. ft. stainless steel Whirlpool frost free refrigerator
30" stainless steel Whirlpool freestanding electric range, w/clock, window & timer
7" Double cell stainless steel sink
Dual handle chrome faucet
Bank of drawers w/1 small drawer & 2 large drawers
Laminate backsplash

Electric & Plumbing
200 Amp all electric service (gas optional)
Drain line - water heater installed
Master water shut-off valve
Shut-off valve T/O
30 gallon electric water heater
Electric furnace
LED can lights T/O
GF1 patio plug near rear door
Black upgrade porch light front door

White porch light back door
Wire & brace for ceiling fan living room/family room

Guest Bath
60" 3 pc. ABS tub/shower
Acrylic sink w/dual handle faucets
Single lever tub/shower diverter
Exhaust fan
Framed bathroom mirror
36" height lavy cabinet
Towel bar and tissue holder
Laminate backsplash

Cabinetry
Hardwood cabinet doors & face frames
Cab doors & drawers w/upgraded brushed nickel pulls
42" overhead kitchen cabinets w/full cabinet doors
Crown molding standard on kitchen cabinets
Decorative Range hood canopy w/fan above range
Shelf above washer / dryer
Double shelves or Transom w/ shelf above refrigerator (per plan)
Overhead cabinets w/2 adjustable shelves
Metal side mount drawer guides
Wood ply drawer sides
Premium built-in cabinet features per plan

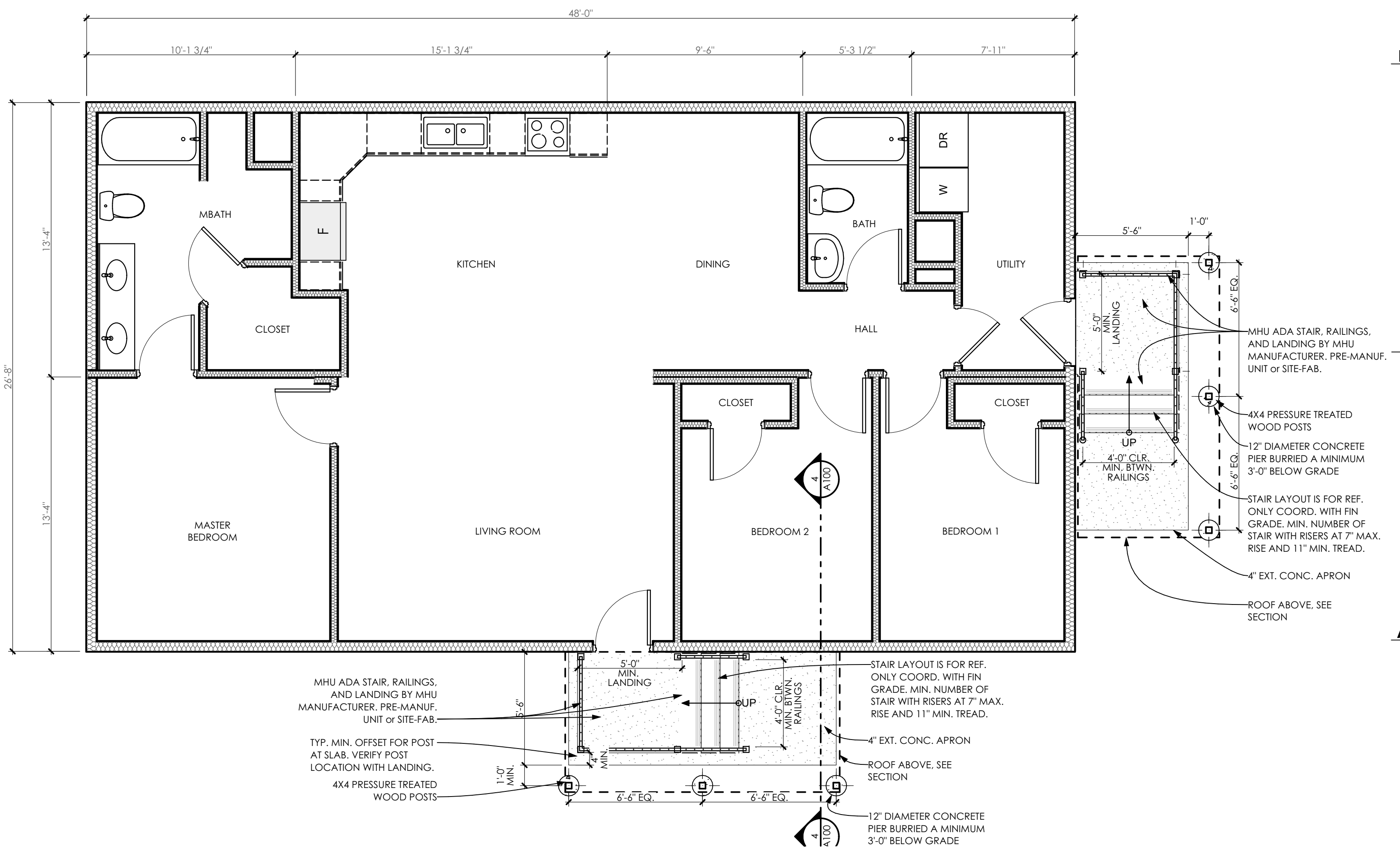
Master Bath
Tub/shower standards are model specific
Acrylic sink w/dual handle faucets
Single lever tub/shower diverter
Exhaust fan
Framed bathroom mirrors
36" height lavy cabinet
LED can light above sink
Towel bar & tissue holder
Laminate backsplash

Structural
1 Year structural warranty (see warranty manual for complete details)
30 lb. Roof load
8'-6" flat ceilings
2" x 6" Exterior walls 16" o.c.
19/32" T&G OSB floor decking
2" x 6" - 16" O.C. floor joist (2" x 8" on 30" wide)
2" x 8" - 16" O.C. floor joist (16" wide only)
3:12 Roof pitch
Class A fire rated limited lifetime architectural shingles
Removable hitches
Zone III Thermal Specifications: R-21 roof, R-21 walls, R-11 floor

Den, Family Room (F/R), Activity room, Bonus room are all similar spaces and any standard feature for a series that mentions one also applies to all.

Specifications Subject to Change Without Notice or Obligation
10/21/2021

PRESTIGE STANDARD LIVING FEATURES
SCALE: 1" = 1'-0"



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

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REGISTERED PROFESSIONAL ARCHITECT
ARCHITECT NO. 985241
EXPIRES 03/03/2025
CHARLES C. MYERS

ITD D4 FAIRFIELD HUD MANUFACTURED HOMES AND SITE DEVELOPMENT FAIRFIELD, ID

PROJECT NAME:

SHEET TITLE:
MAIN FLOOR PLAN

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

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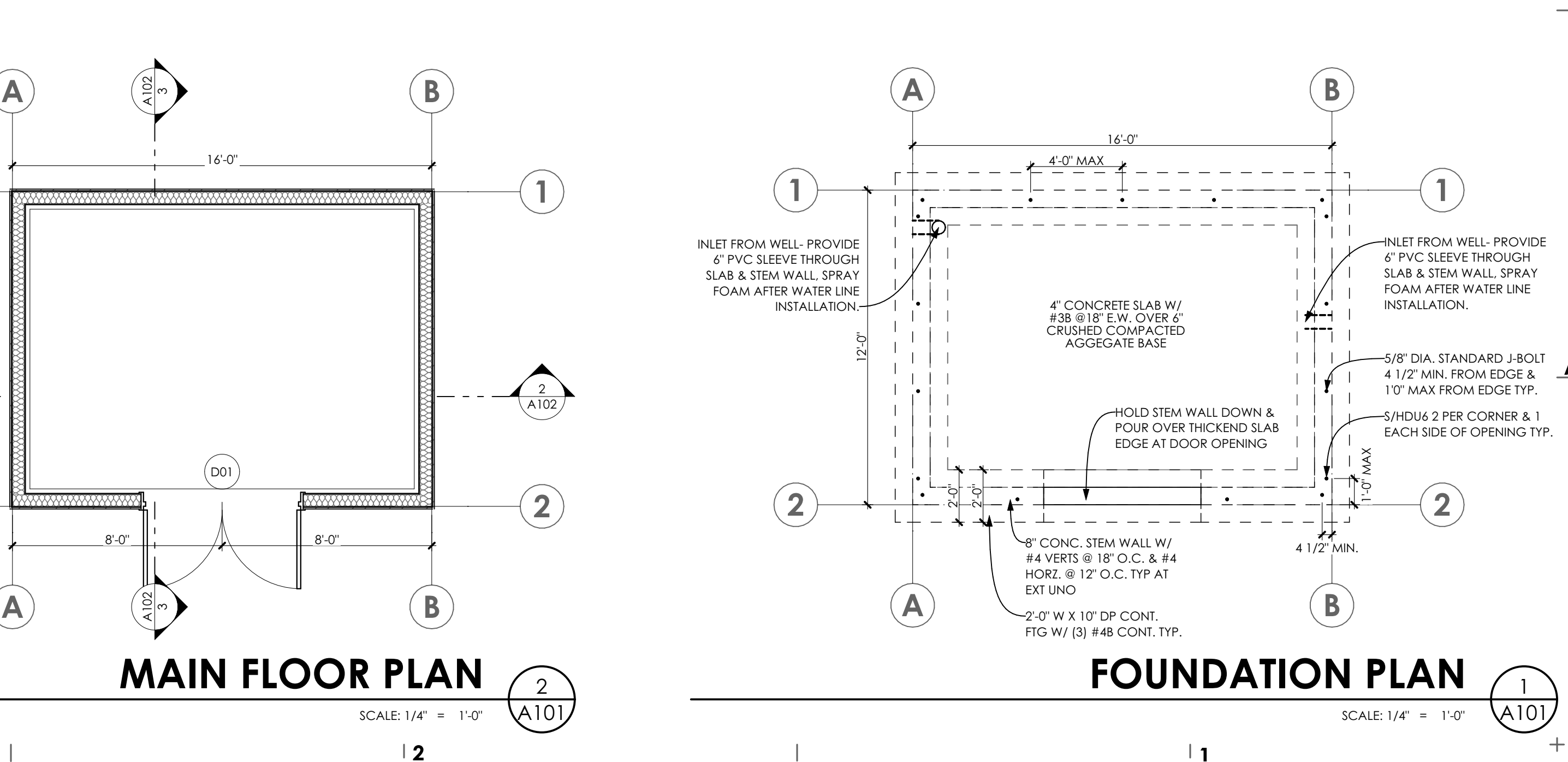
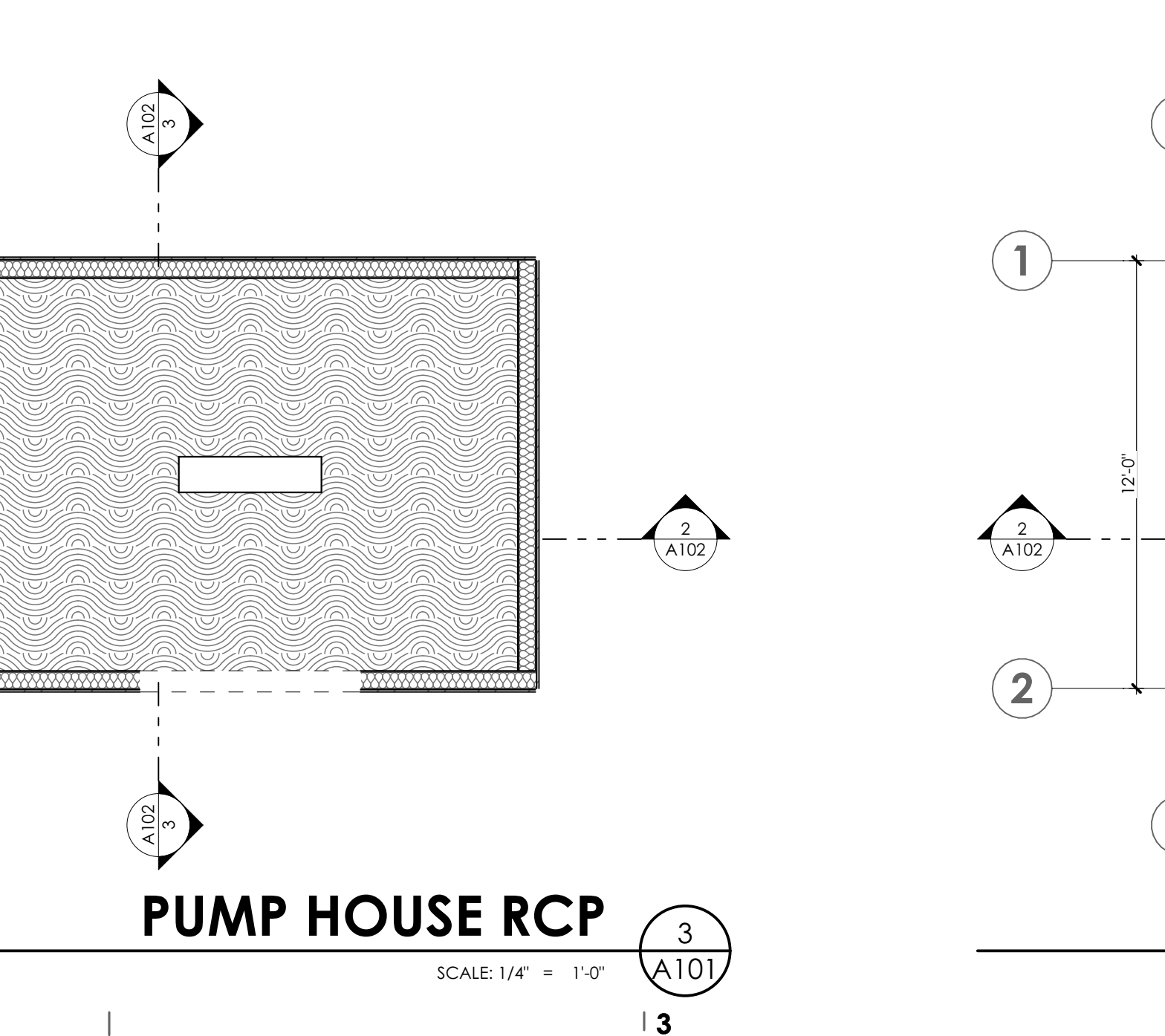
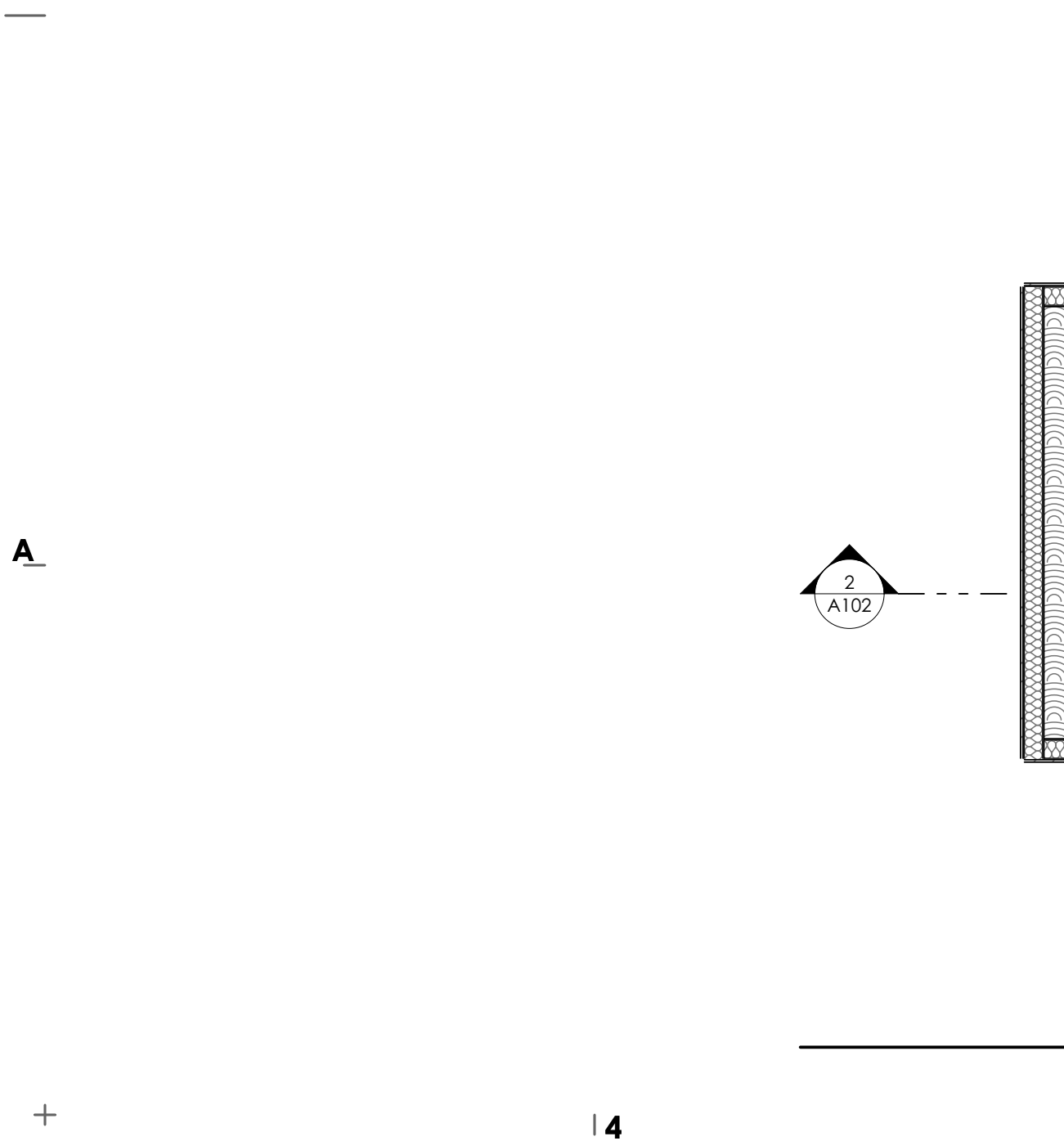
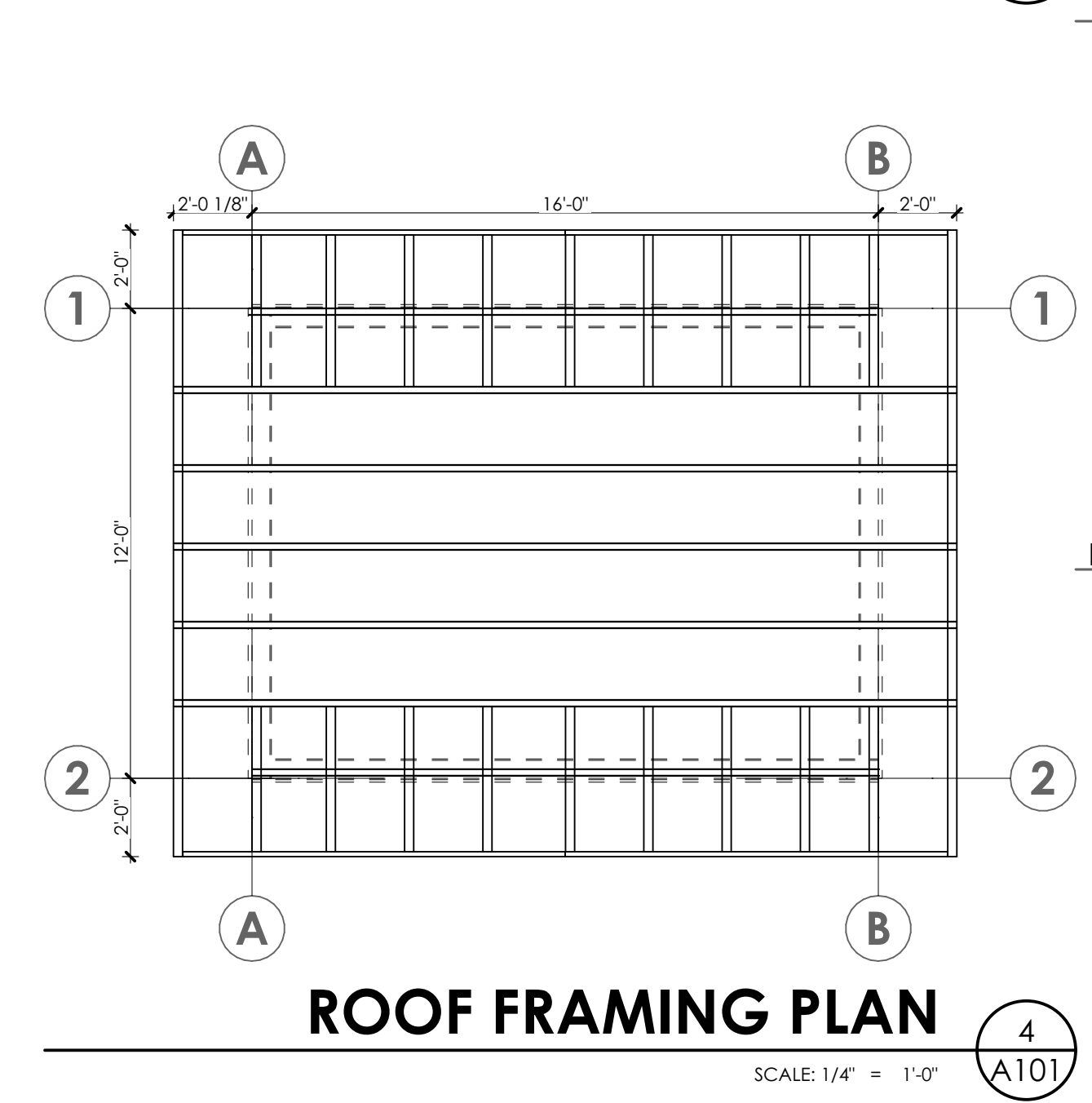
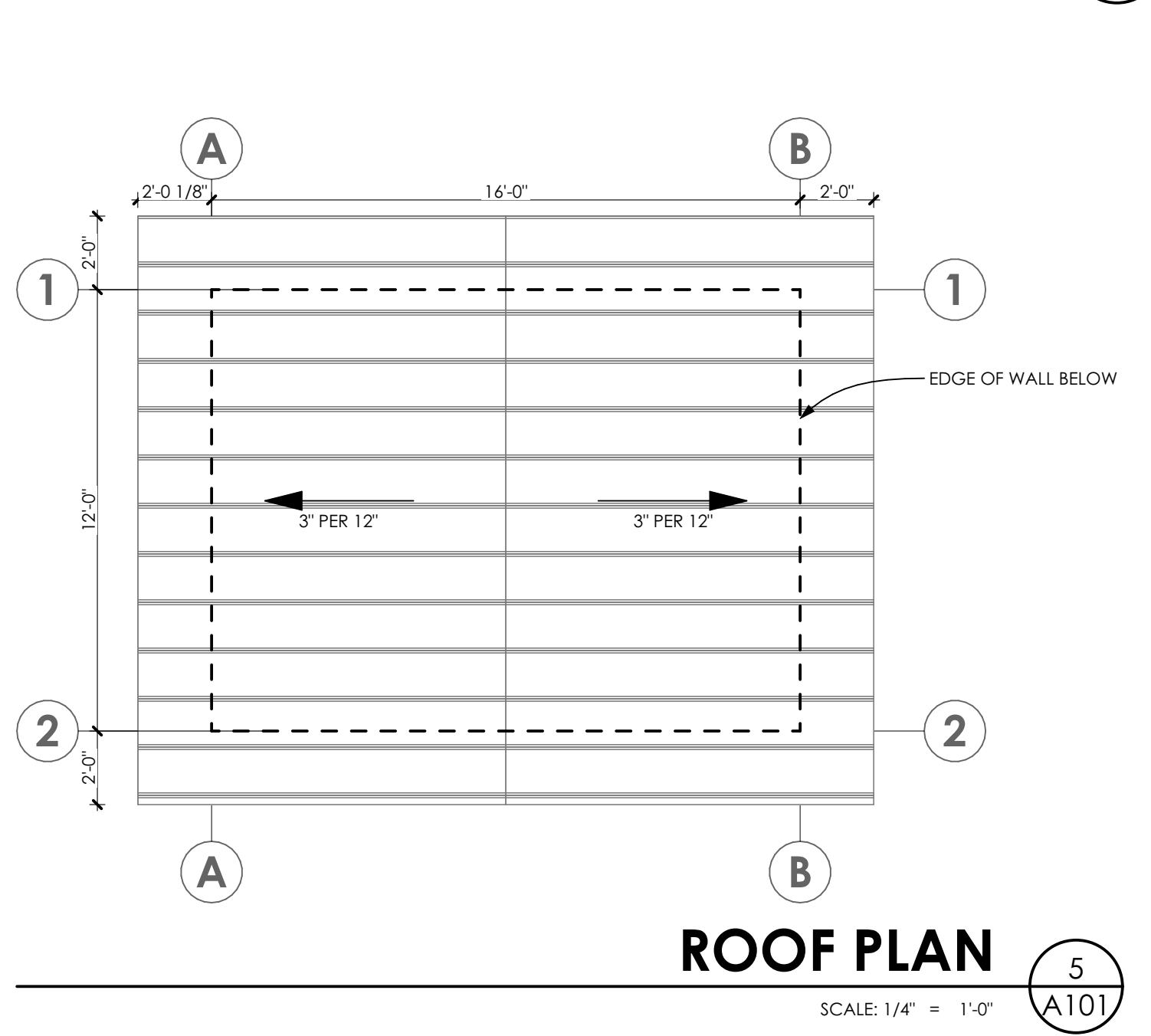
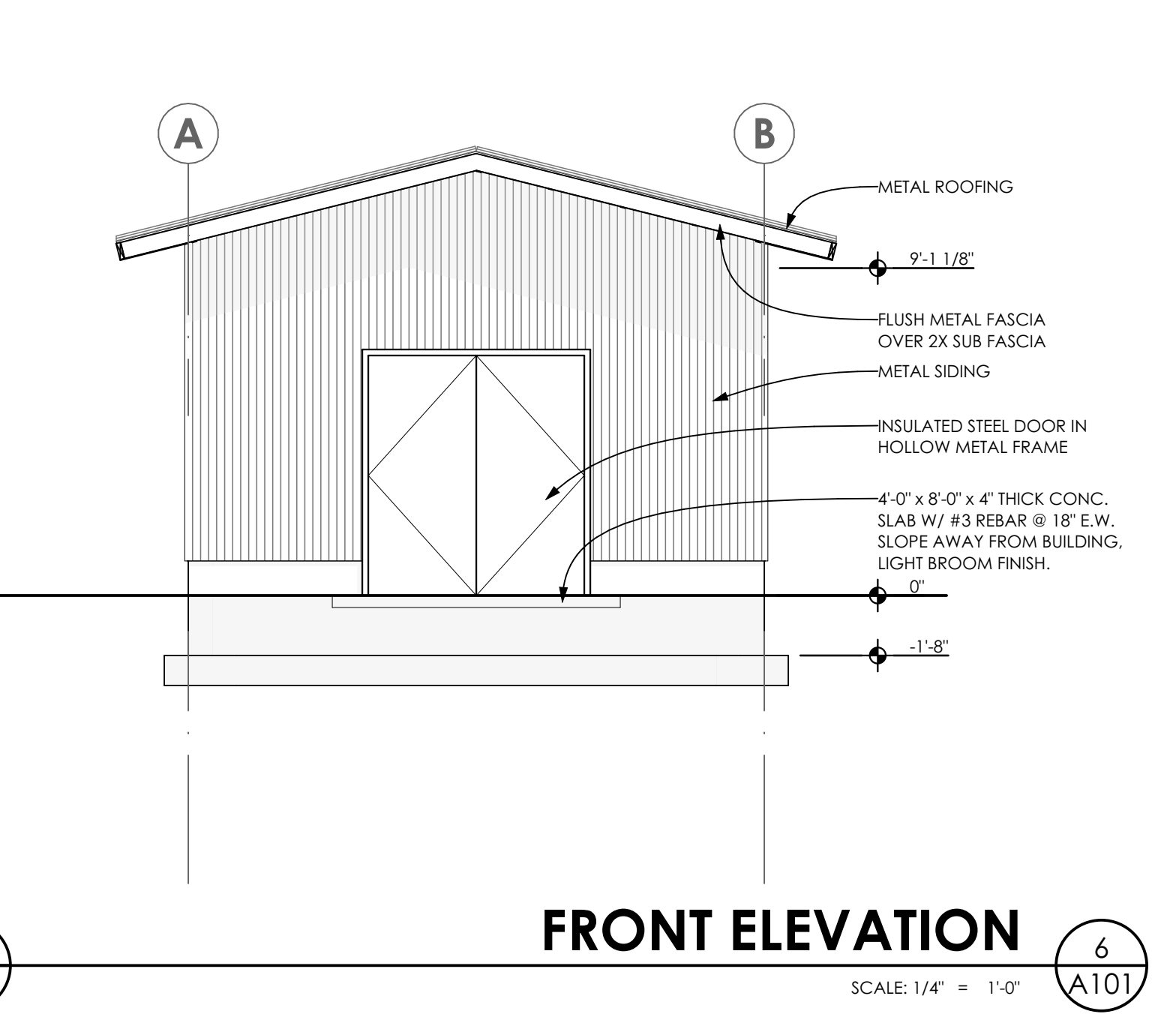
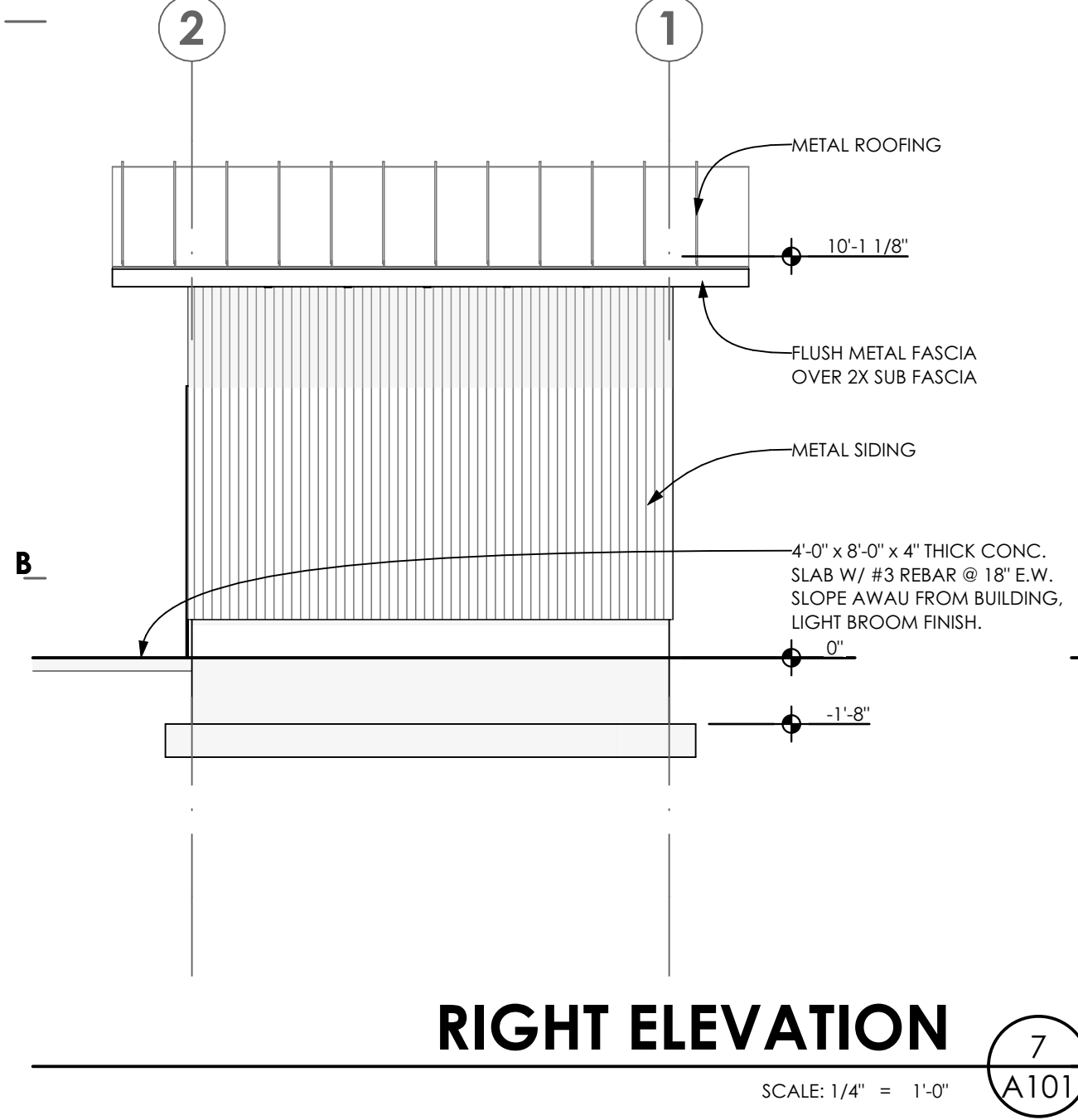
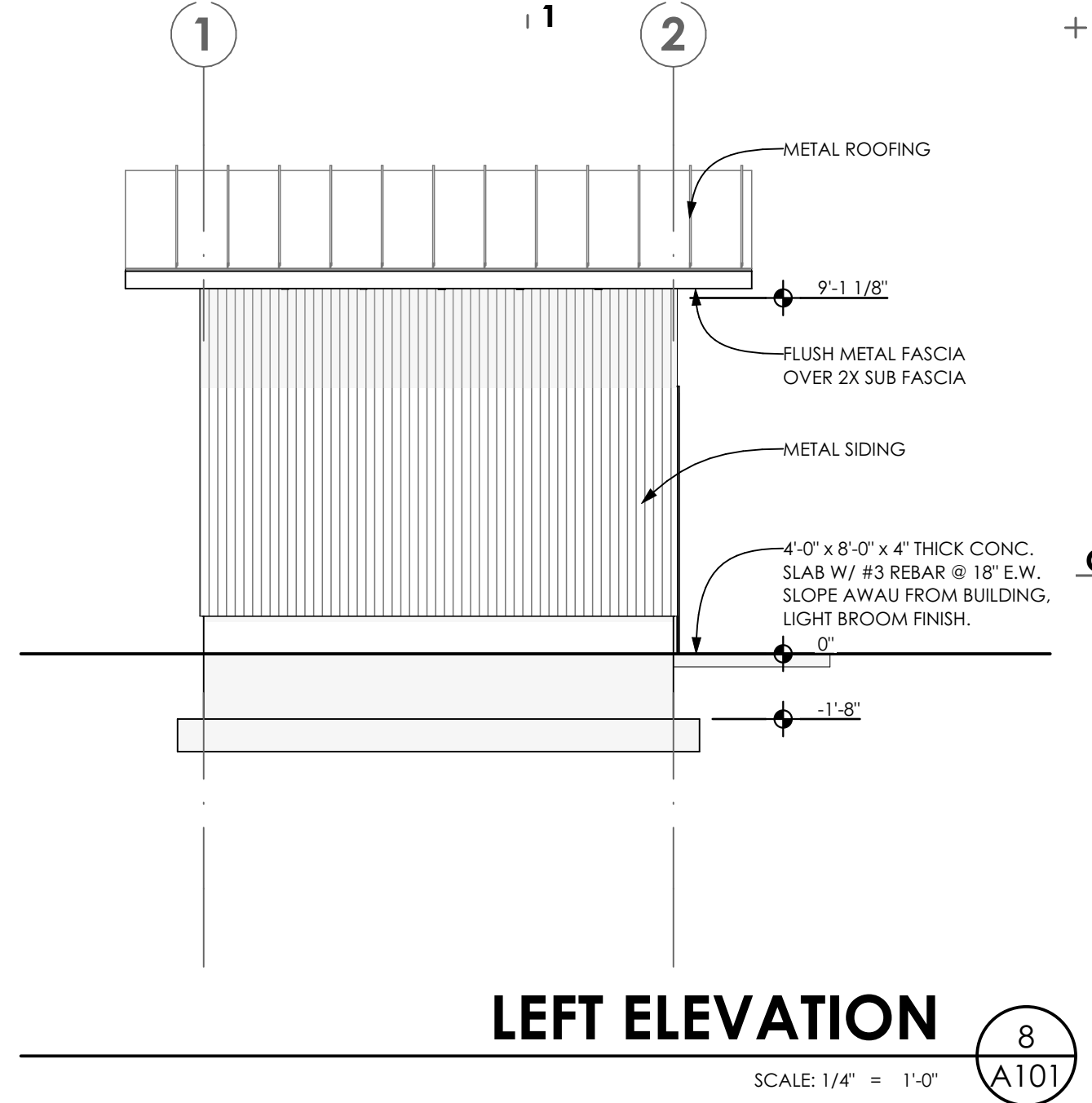
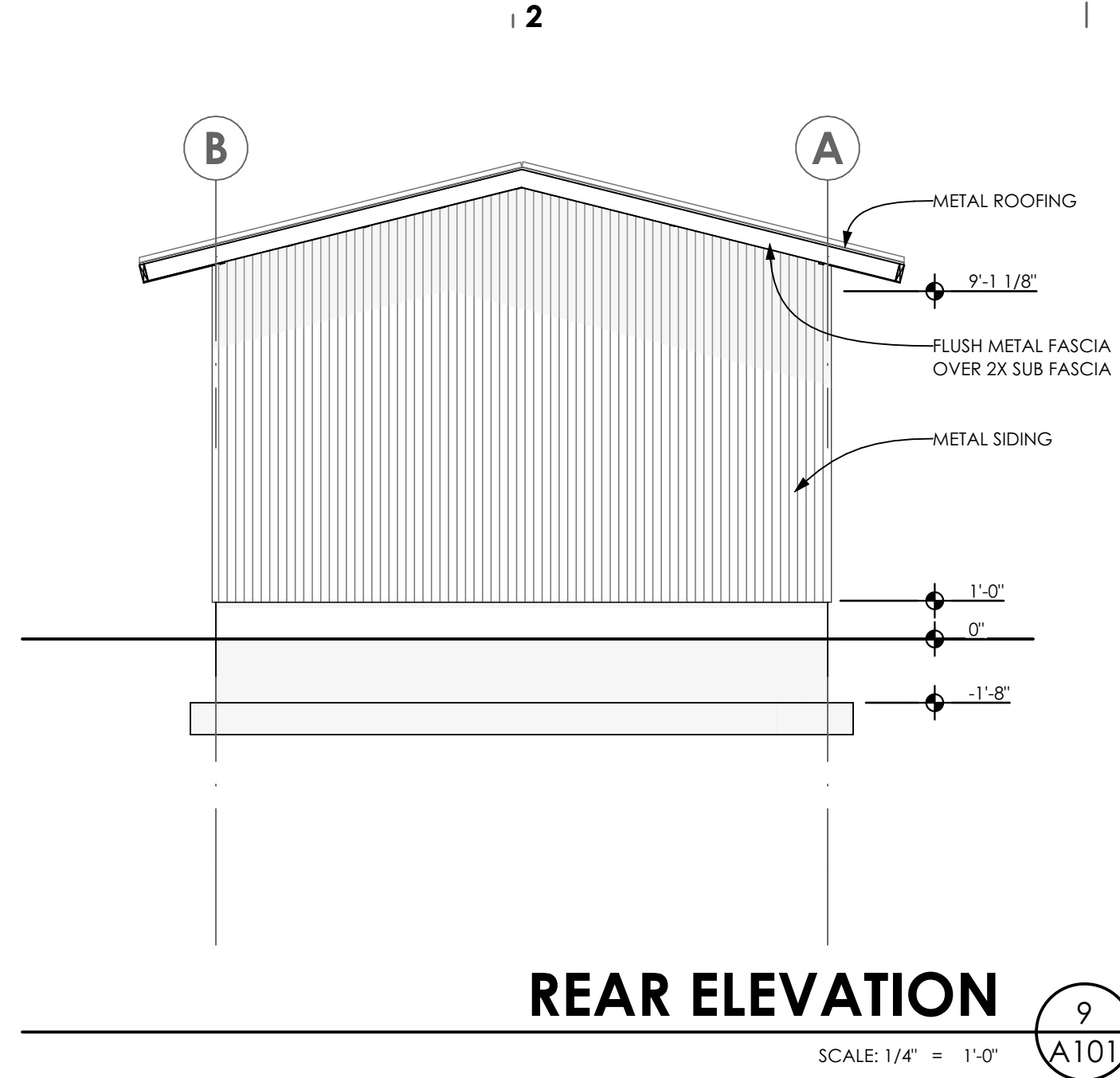
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REVISION	DATE

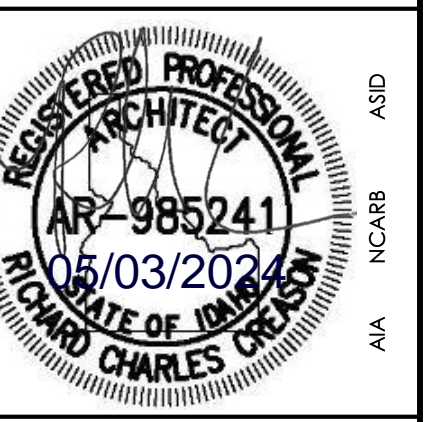
CLIENT PROJECT NUMBER: ++CLIENT PROJECT NUMBER
ARCH. JOB NUMBER: 24626
SHEET ISSUED DATE: May 2024
SHEET **A100**

AGENCY STAMP

DOOR LEGEND - EXTERIOR			
CODE	HARDWARE	MODEL	COMPANY
H1	HINGES	TA 2714.4 1/2 x 4 1/2 NRP	MCKINNEY
L1	LOCKS	CYLINDER 20 SERIES	SCHLAGE
ED1	EXIT DEVICE	99L-626 RIM DEVICE LEVER HANDLE	VON DUPRIN
C1	CLOSER	4040-SE SERIES	LCN
WS1	WEATHER STRIPPING	303CPK	PEMCO
DS1	DOOR SWEEP	18042CP	PEMCO



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**ITD D4 FAIRFIELD HUD
MANUFACTURED
HOMES AND SITE
DEVELOPMENT**
FAIRFIELD, ID

SHEET TITLE:

PUMP HOUSE PLANS

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

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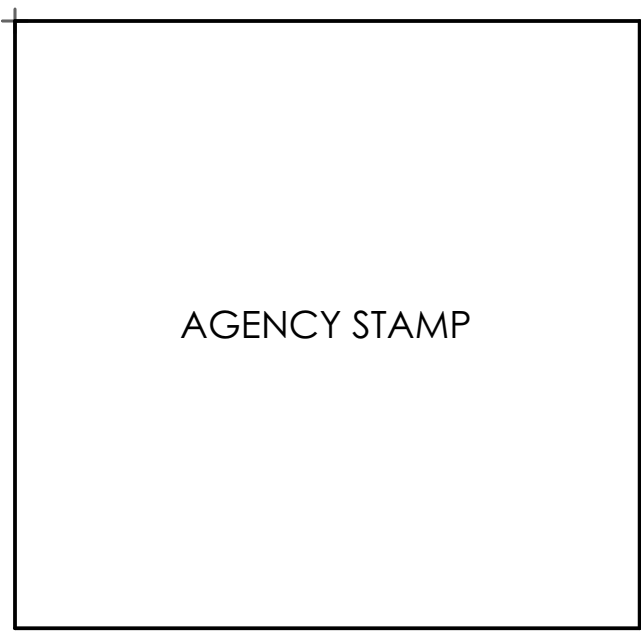
REVISION	DATE

CLIENT PROJECT NUMBER: ++CLIENT PROJECT NUMBER

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SHEET ISSUED DATE: May 2024

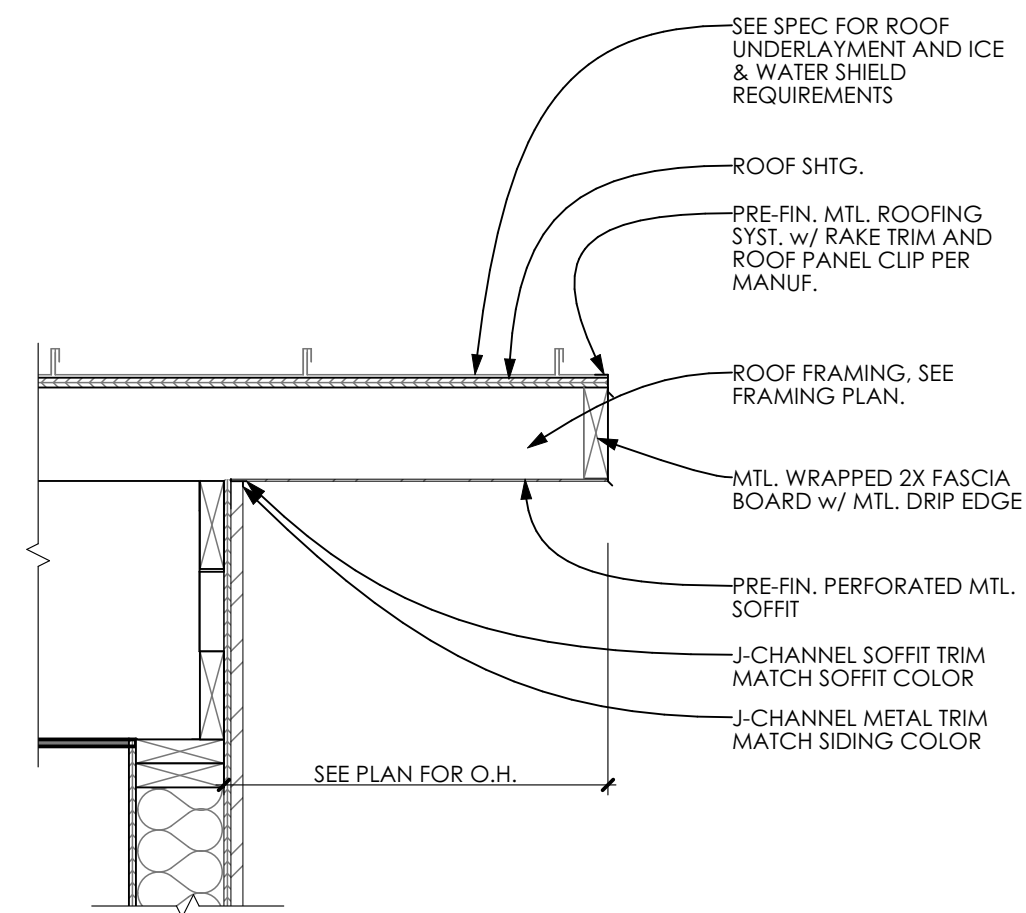
SHEET A101



C

B

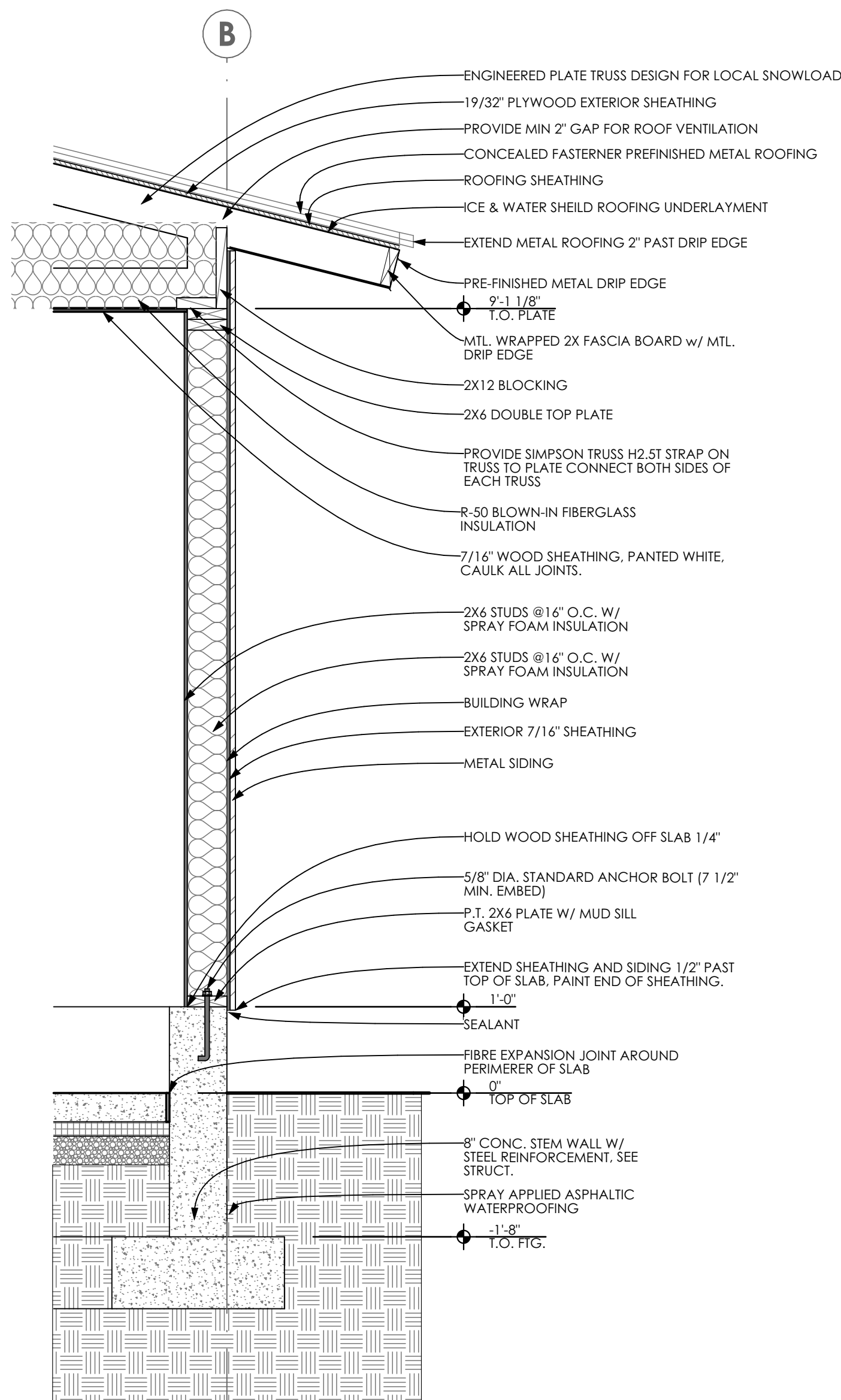
A



GABLE FASCIA

SCALE: 1" = 1'-0"

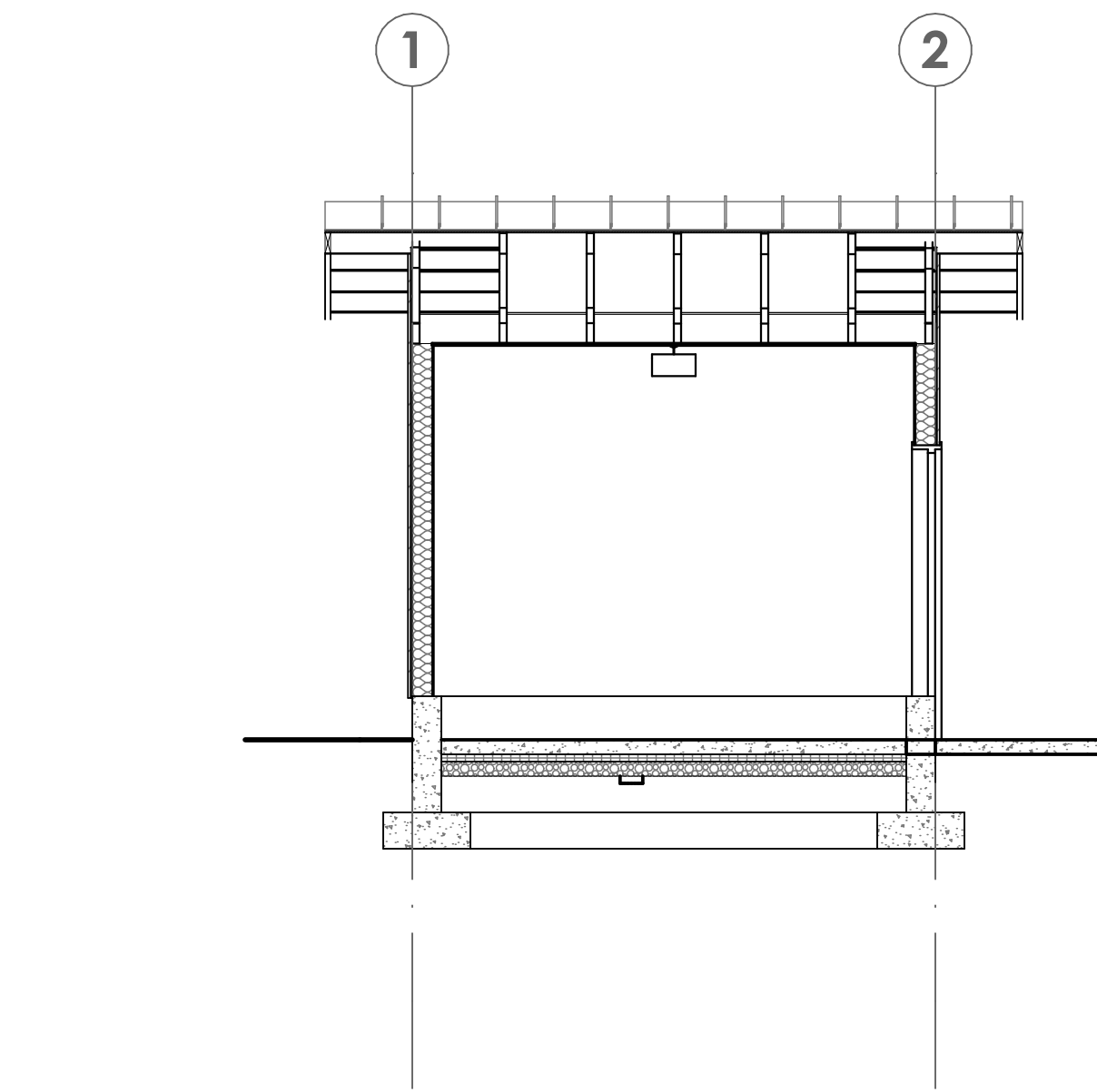
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A102



WALL SECTION A

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

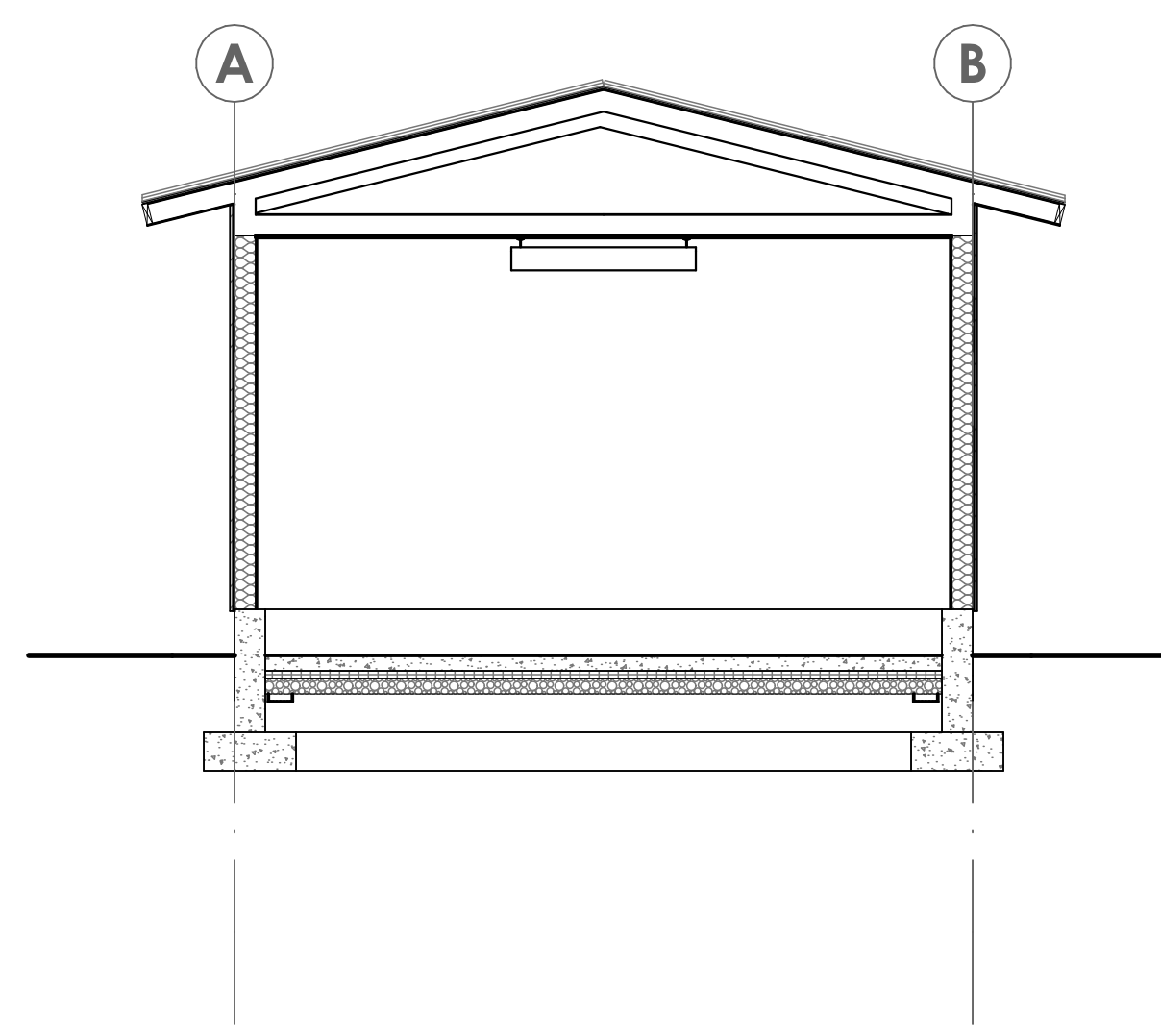
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A102



BUILDING SECTION B

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

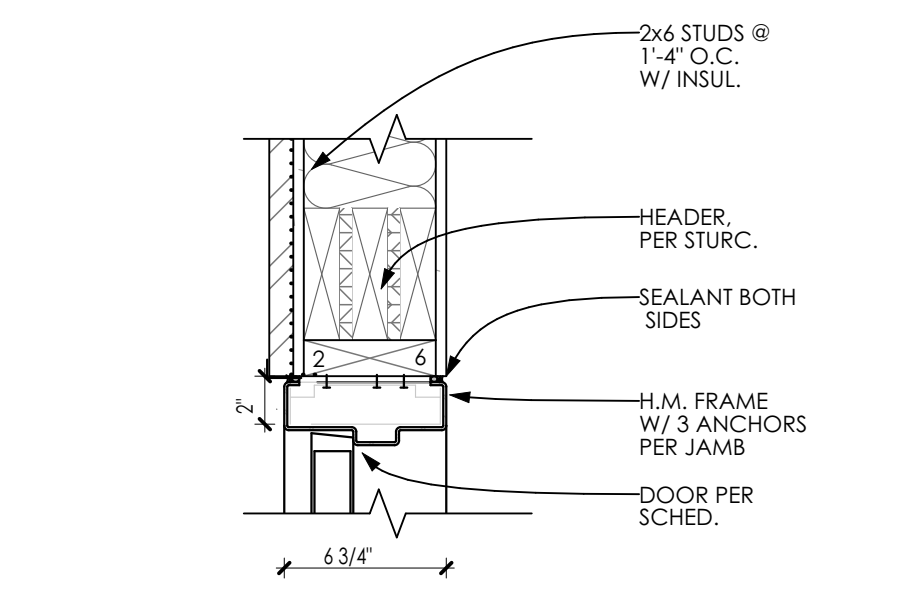
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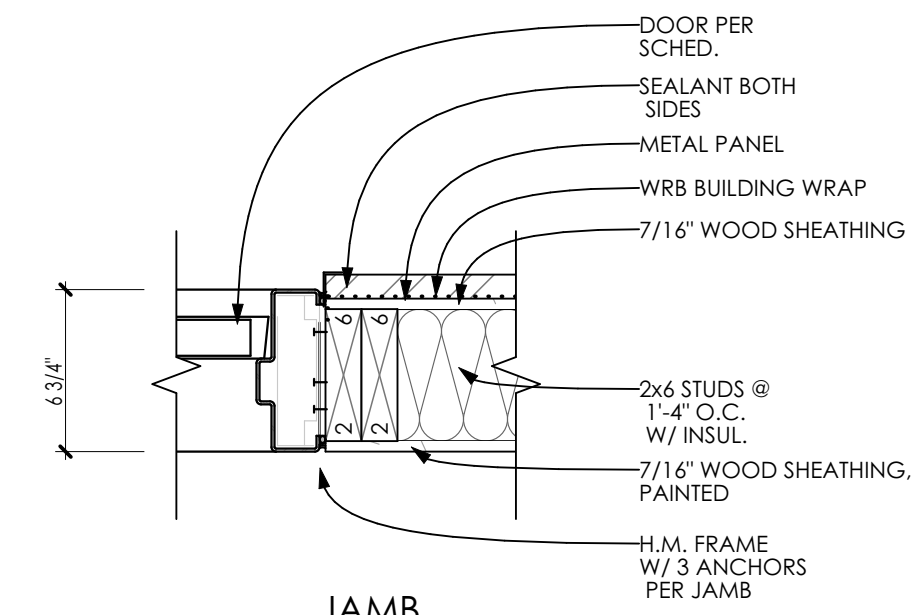
BUILDING SECTION A

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

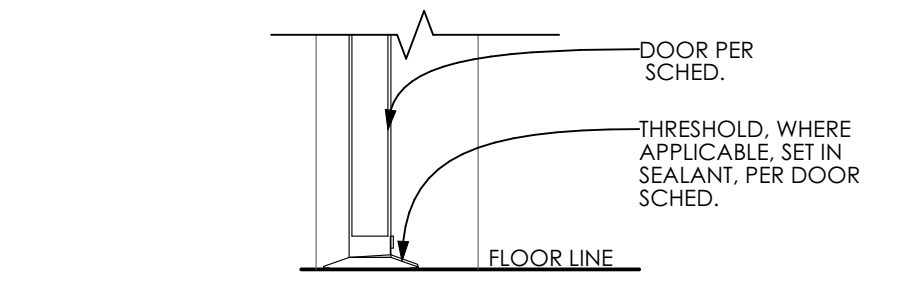
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HEAD



JAMB

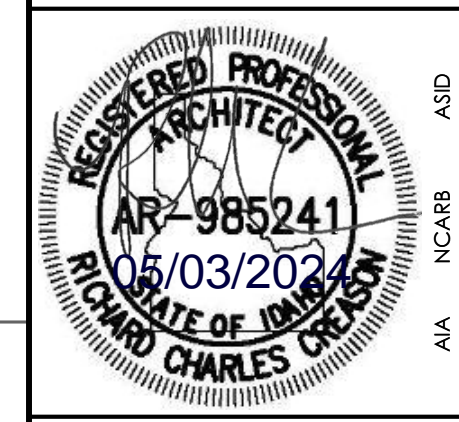


THRESHOLD

H.M. DOOR @ W6M

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

1
A102



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ITD D4 FAIRFIELD HUD MANUFACTURED HOMES AND SITE DEVELOPMENT
FAIRFIELD, ID

PUMP HOUSE DETAILS

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

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REVISION	DATE

CLIENT PROJECT NUMBER: ++CLIENT PROJECT NUMBER

ARCH. JOB NUMBER: 24626

SHEET ISSUED DATE: May 2024

SHEET **A102**

- CRITERIA**
- ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE 2018 INTERNATIONAL BUILDING CODE.
 - DESIGN LOADING CRITERIA
BY DEFAULT, VALUES SHALL BE FOR BOTH PUMP HOUSE AND MANUFACTURED HOME. SEPARATE VALUES SHALL BE NOTED AS SUCH: PUMP HOUSE, [MANU. HOME]
- LIVE:**
ROOF.....20 PSF
- DEAD:**
PUMP HOUSE.....15 PSF
MANUFACTURED HOME.....PER MANUFACTURER
- SNOW:**
GROUND SNOW LOAD, P_g80 PSF
SLOPED ROOF FACTOR, C_s1.0
IMPORTANCE FACTOR, i1.10
THERMAL FACTOR, C_t1.10
SNOW EXPOSURE FACTOR, C_e0.90
FLAT ROOF SNOW LOAD, P_f60.98 PSF
DESIGN ROOF SNOW LOAD.....80 PSF
- WIND:**
BASIC WIND SPEED..... 109 MPH [103 MPH]
MEAN ROOF HEIGHT..... 11 FT.
BUILDING CATEGORY.....III [II]
EXPOSURE CATEGORY.....C
ENCLOSURE CLASSIFICATION...ENCLOSED BUILD.
- SEISMIC DESIGN DATA:**
OCCUPANCY CATEGORY.....III [II]
IMPORTANCE FACTOR, I1.25 [1.0]
MAPPED SPECTRAL RESPONSE, S_s34.7%g
ACCELERATIONS, S_112.1%g
SITE CLASS.....D
SPECTRAL RESPONSE COEFFICIENT, S_{DS}0.352
 S_{D1}0.191
SEISMIC DESIGN CATEGORY.....C
BASIC STRUCTURAL SYSTEM.....BEARING WALL
SEISMIC RESISTING SYSTEM.....SHEAR PANELS
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE CONTRACTOR'S WORK. THE STRUCTURAL ENGINEER HAS NO OVERALL SUPERVISORY


- AUTHORITY OR ACTUAL AND/OR DIRECT RESPONSIBILITY FOR THE SPECIFIC WORKING CONDITIONS AT THE SITE AND/OR FOR ANY HAZARDS RESULTING FROM THE ACTIONS OF ANY TRADE CONTRACTOR. THE STRUCTURAL ENGINEER HAS NO DUTY TO INSPECT, SUPERVISE, NOTE, CORRECT, OR REPORT ANY HEALTH OR SAFETY DEFICIENCIES TO THE OWNER, CONTRACTORS, OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE.
- CONTRACTOR-INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS ONLY WILL NOT SATISFY THIS REQUIREMENT.
 - WHEN A PREFABRICATED COMPONENT IS CALLED OUT, CONTRACTOR SHALL INSTALL ITEM ACCORDING TO MANUFACTURER'S INSTRUCTIONS. IF DRAWINGS CONFLICT WITH INSTALLATION INSTRUCTIONS, PROMPTLY NOTIFY ARCHITECT, PRIOR TO PROCEEDING WITH WORK FOR FURTHER CLARIFICATION OF DESIGN INTENT.
 - DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE STRUCTURAL ENGINEER.
 - ALL STRUCTURAL SYSTEMS WHICH ARE TO BE COMPOSED OF COMPONENTS TO BE FIELD ERECTED SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVER, HANDLING, STORAGE AND ERECTION IN ACCORDANCE WITH INSTRUCTIONS PREPARED BY THE SUPPLIER.
- GENERAL**
- NOTES AND DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. IF CONFLICT OCCURS BETWEEN THE CONTRACT DRAWINGS AND THE PROJECT MANUAL, IMMEDIATELY NOTIFY ARCHITECT FOR RESOLUTION. DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS.
 - CONTRACT DOCUMENTS INDICATE INFORMATION SUFFICIENT TO CONVEY DESIGN INTENT. REVIEW CONTRACT DOCUMENTS AND VERIFY FIELD AND EXISTING CONDITIONS. PROMPTLY NOTIFY ARCHITECT, PRIOR TO PROCEEDING WITH WORK, IF FURTHER CLARIFICATION OF DESIGN INTENT IS NEEDED.
 - PERFORM STRUCTURAL RELATED WORK AND DEVELOP SHOP DRAWINGS CONSIDERING CONTRACT DOCUMENTS IN THEIR ENTIRETY. CONDITIONS NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED AS DETAILED FOR SIMILAR WORK.
 - CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE MEANS AND METHODS OF CONSTRUCTION. PROVIDE ALL NECESSARY MEASURES TO PROTECT THE STRUCTURE DURING CONSTRUCTION. COMPLY WITH THE STATE OF IDAHO REGULATIONS. CONSTRUCTION MATERIALS, IF PLACED ON FRAMED FLOORS AND ROOFS, SHALL BE SPREAD OUT SUCH THAT THE DESIGN LIVE LOAD PER SQUARE FOOT IS NOT EXCEEDED. PROVIDE ADEQUATE SHORING IF OVERLOAD IS ANTICIPATED OR WHERE STRUCTURAL ELEMENTS HAVE NOT ATTAINED DESIGN STRENGTH. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT CONSTITUTE ACCEPTANCE OF

- CONSTRUCTION MEANS AND METHODS.
- SUBMIT SHOP DRAWINGS FOR REVIEW BEFORE FABRICATION. CONTRACTOR SHALL REVIEW FOR COMPLETENESS AND COMPLIANCE WITH CONTRACT DOCUMENTS PRIOR TO SUBMISSION TO ARCHITECT. STRUCTURAL ENGINEER'S REVIEW IS FOR GENERAL CONFORMANCE WITH DESIGN INTENT AND DOES NOT CONSTITUTE AN AUTHORIZATION TO DEVIATE FROM TERMS AND CONDITIONS OF CONTRACT. WHEN INDICATED, THE SUBMITTAL SHALL BE SIGNED AND SEALED BY A PROFESSIONAL CIVIL OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF IDAHO. MAINTAIN AT SITE A COPY OF REVIEWED AND ACCEPTED SUBMITTALS.
 - MODIFICATIONS AND SUBSTITUTIONS MUST BE ACCEPTED IN WRITING BY ARCHITECT. NO MODIFICATION OR SUBSTITUTION WILL BE ACCEPTED VIA SHOP DRAWING REVIEW. MANUFACTURED MATERIALS SHALL BE APPROVED BY THE GOVERNING CODE AUTHORITY PRIOR TO THEIR USE. ADHERE TO ALL CONDITIONS OF THOSE APPROVALS.
 - "TYPICAL DETAILS" ARE APPLICABLE THROUGHOUT CONSTRUCTION DOCUMENTS AND MAY NOT BE SPECIFICALLY REFERENCED THEREIN. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THESE TYPICAL DETAILS AND UNDERSTANDING EXTENT OF THEIR APPLICATION PRIOR TO PERFORMING WORK.
 - UNLESS SPECIFICALLY SHOWN ON THE PLANS NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED OR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER.
 - SEE ARCHITECTURAL DRAWINGS FOR:
 - DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
 - SEE MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS FOR:
 - SIZE AND LOCATION OF EQUIPMENT PADS, EQUIPMENT ANCHORAGE TO STRUCTURE AND EQUIPMENT WEIGHTS.
 - ANCHORAGE OF DUCTWORK, PIPING, ELECTRICAL CONDUITS TO STRUCTURE.
 - ELECTRICAL CONDUIT RUNS, OUTLETS AND BOXES IN CONCRETE SLABS AND WALLS.
 - PIPE SLEEVES, TRENCHES, AND OPENINGS THROUGH WALLS AND SLABS FOR DUCTWORK, PIPE RUNS, ELECTRICAL CONDUIT RUNS.
- QUALITY ASSURANCE**
- AN APPROVED AGENCY, RETAINED BY OWNER AND SATISFACTORY TO ARCHITECT AND GOVERNING CODE AUTHORITY, SHALL PERFORM REQUIRED TESTS AND SPECIAL INSPECTIONS OF THIS CONTRACT AND APPLICABLE CODE. AN APPROVED AGENCY IS AN ESTABLISHED AND RECOGNIZED AGENCY REGULARLY ENGAGED IN CONDUCTING TESTS AND/OR FURNISHING INSPECTION SERVICES. WHEN SUCH AN AGENCY IS APPROVED.
 - APPROVED AGENCY SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH INSPECTION REPORTS TO GOVERNING CODE AUTHORITY AND THE ARCHITECT. REPORTS SHALL INDICATE WHETHER THE WORK INSPECTED WAS DONE IN CONFORMANCE OR NONCONFORMANCE WITH APPROVED CONSTRUCTION DOCUMENTS. NONCONFORMITIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF NOT CORRECTED, THE NONCONFORMITIES SHALL BE BROUGHT TO THE ATTENTION OF THE GOVERNING CODE AUTHORITY AND THE ARCHITECT PRIOR TO THE COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT

- DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF NONCONFORMITIES SHALL BE SUBMITTED UPON COMPLETION OF WORK.
- WHERE FABRICATION OF STRUCTURAL MEMBERS AND ASSEMBLIES IS PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS OF FABRICATED ITEMS ARE REQUIRED. SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED BY THE GOVERNING CODE AUTHORITY TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION.
 - CONTRACTOR SHALL SUBMIT MATERIAL CERTIFICATION OR LABORATORY TEST REPORTS CERTIFYING MATERIALS ARE OF IDENTIFIABLE TEST STOCK, COMPLYING WITH PROJECT SPECIFICATIONS, TO OWNER, APPROVED AGENCY, ARCHITECT AND, UPON REQUEST, TO GOVERNING CODE AUTHORITY. IF LABORATORY TEST REPORTS CANNOT BE MADE AVAILABLE, APPROVED AGENCY WILL PERFORM TESTS AS DIRECT BY STRUCTURAL ENGINEER. CONTRACTOR SHALL PAY FOR COSTS RELATED TO TESTS AND INSPECTIONS OF UNIDENTIFIABLE MATERIALS, MATERIALS FURNISHED WITHOUT LABORATORY TEST REPORTS, MATERIALS FOUND DEFICIENT AFTER INITIAL TESTS AND INSPECTIONS, AND/OR MATERIALS REPLACING DEFICIENT MATERIALS.
 - APPROVED AGENCY SHALL SUBMIT MATERIAL TEST REPORTS INDICATING WHETHER TESTED MATERIALS ARE IN COMPLIANCE OR NONCOMPLIANCE WITH CONTRACT DOCUMENTS TO OWNER, CONTRACTOR, ARCHITECT AND, UPON REQUEST, TO GOVERNING CODE AUTHORITY.
 - APPROVED AGENCY SHALL PERFORM SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1704.
- FOUNDATION**
- THE DESIGN OF THE FOOTING WAS BASED ON PRESCRIPTIVE REQUIREMENTS FROM IBC TABLE 1806.2 FOR CLAY SOIL. THE CONTRACTOR IS TO VERIFY THIS SOIL ASSUMPTION AND INFORM THE ENGINEER IF DIFFERENT SOIL TYPE IS ENCOUNTERED SO A REDESIGN OF THE FOOTING CAN BE DONE. IF SOIL IS MUD, ORGANIC CLAYS, PEAT, EXPANSIVE SOIL OR UNPREPARED FILL A GEOTECHNICAL INVESTIGATION MAY BE REQUIRED.
 - ISOLATED SPREAD FOOTING AND CONTINUOUS SPREAD FOOTING DESIGN BASED ON AN ALLOWABLE NET BEARING PRESSURE OF 1500 PSF. BOTTOM OF FOOTINGS SHALL BE A MINIMUM OF 30 INCHES BELOW LOWEST ADJACENT FLOOR OR GRADE.
 - FOUNDATIONS MAY BE CAST DIRECTLY AGAINST EXCAVATIONS PROVIDED EXCAVATION IS CAPABLE OF MAINTAINING A VERTICAL CUT WITHOUT SLOUGHING. FOUNDATION DIMENSION SHALL BE ENLARGED BY AN ADDITIONAL ONE INCH IN THE DIRECTION OF THE SIDE CAST AGAINST EARTH.
 - CONCRETE SHALL NOT BE PLACED ON FROZEN GRADE. IF FOOTING IS SUBJECT TO FREEZING TEMPERATURES AFTER FOUNDATION CONSTRUCTION, THEN FOOTING SHALL BE ADEQUATELY PROTECTED FROM FREEZING.
 - CONTRACTOR TO PROVIDE FOR DEWATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER OR SEEPAGE. DEWATERING SHALL EFFECTIVELY ELIMINATE ANY HYDROSTATIC PRESSURE ON SHORING. ENSURE THAT

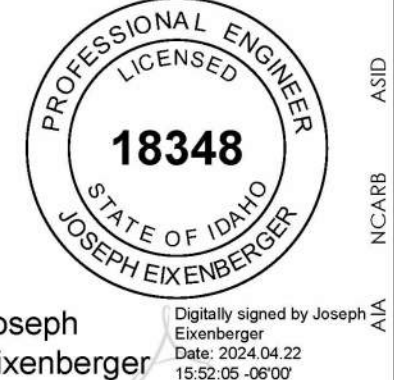
- CONTAMINATED WATER IS NOT DISPOSED OF IN PUBLIC SEWER OR STORM DRAIN SYSTEM AND ENSURE THAT DIRTY WATER IS NOT DISPOSED OF INTO PUBLIC RIGHT-OF-WAY.
- CAST-IN-PLACE CONCRETE**
- ALL CONCRETE WORK SHALL CONFORM TO THE STANDARDS OF THE AMERICAN CONCRETE INSTITUTE, ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" AND ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", WITH MODIFICATIONS AS NOTED IN THE CONTRACT DOCUMENTS.
 - CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28-DAY (f_c) UNLESS NOTED OTHERWISE:
 - CONTINUOUS FOOTINGS: 4500 PSI, NORMALWEIGHT.
 - SPREAD FOOTINGS: 4500 PSI, NORMALWEIGHT.
 - SLABS-ON-GRADE: 3500 PSI, NORMALWEIGHT.
 - PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR TYPE II, PORTLAND CEMENT.
 - AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33. NORMAL WEIGHT CONCRETE SHALL HAVE A DRY UNIT WEIGHT OF 150 +/- PCF.
 - MAXIMUM AGGREGATE SIZE SHALL BE 3/4 INCH FOR FOUNDATIONS AND 3/4" INCHES ELSEWHERE, BUT NO LARGER THAN (A) 1/5 THE NARROWEST DIMENSION BETWEEN SIDES OF FORMS, (B) 1/3 THE DEPTH OF SLABS, OR (C) 3/4 THE MINIMUM CLEAR SPACING BETWEEN INDIVIDUAL REINFORCING BARS OR WIRES, BUNDLES OF BARS, INDIVIDUAL TENDONS, BUNDLED TENDONS, OR DUCTS.
 - MAXIMUM SLUMP SHALL BE 4 INCHES TYPICALLY, UNLESS A HIGH-RANGE WATER REDUCING ADMIXTURE (SUPERPLASTICIZER) IS USED IN THE CONCRETE MIX PROPORTIONS. THEN MAX SLUMP SHALL BE 6 IN.
 - CONCRETE SHRINKAGE SHALL BE LIMITED TO 0.005 PERCENT AS DETERMINED BY ASTM C157.
 - WATER CEMENT RATIO SHALL NOT EXCEED 0.45 FOR ALL CONCRETE.
 - CONCRETE MIX PROPORTIONING SHALL BE BASED ON FIELD EXPERIENCE AND/OR TRIAL MIXTURES. SUBMIT CONCRETE MIX PROPORTIONING DATA, INCLUDING HISTORICAL STRENGTH RECORDS AND/OR RESULTS OF TRIAL MIXTURES, FOR EACH TYPE AND COMPRESSIVE STRENGTH OF CONCRETE. CONCRETE MIX PROPORTIONING SHALL BE SIGNED AND SEALED BY A PROFESSIONAL CIVIL OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF IDAHO AND SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL.
 - CONCRETE MIXING SHALL CONFORM TO ASTM C94.
 - PROVIDE SLEEVES FOR ELECTRICAL AND PLUMBING OPENINGS. IF CONFLICT OCCURS BETWEEN REINFORCING AND SLEEVES, REPOSITION REINFORCING OR SLEEVES OR BOTH. DO NOT CUT ANY REINFORCING. CORING IS NOT PERMITTED.
 - PRIOR TO PLACING CONCRETE, REINFORCING BARS, EMBEDDED PLATES, ANCHOR BOLTS, AND OTHER CONCRETE EMBEDMENTS SHALL BE WELL SECURED IN POSITION.
 - CONCRETE PLACEMENT SHALL CONFORM TO ACI 304 AND CONTRACT DOCUMENTS.
 - FORM EXPOSED CORNER OF COLUMNS, BEAMS AND WALLS WITH 3/4 INCH CHAMFER, UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.

- CONCRETE SHALL BE MAINTAINED ABOVE 50 FAHRENHEIT AND IN A MOIST CONDITION FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT UNLESS OTHERWISE ACCEPTED BY ARCHITECT (STRUCTURAL ENGINEER).
 - CURING COMPOUNDS, SEALERS, HARDENERS, ETC. USED ON CONCRETE THAT RECEIVES A FINISH SHALL BE APPROVED BY THE ARCHITECT BEFORE USE.
 - HOT WEATHER PLACEMENT SHALL BE IN ACCORDANCE WITH ACI 305R.
 - COLD WEATHER PLACEMENT SHALL BE IN ACCORDANCE WITH ACI 306R.
 - AIR ENTRAINMENT SHALL BE 5.5% ±1%.
 - LAP SPLICES SHALL BE 18" FOR #3 BAR AND 24" FOR #4 BAR.
 - NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT UNLESS APPROVED BY THE TESTING AGENCY.
 - LIMIT ALKALI-SILICA REACTION (ASR) TO 0.1% EXPANSION AT 28 DAYS IN CONCRETE MIX AT ALL EXTERIOR CONCRETE AND INTERIOR CONCRETE EXPOSED TO MOISTURE.
- REINFORCING STEEL**
- REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE TO AMERICAN CONCRETE INSTITUTE ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE".
 - REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.
 - MINIMUM CLEARANCES BETWEEN PARALLEL REINFORCING STEEL INCLUDING SPLICED BARS SHALL BE ONE INCH, ONE BAR DIAMETER, OR 4/3 TIMES THE MAXIMUM SIZE AGGREGATE, WHICH IS GREATER. PROVIDE 1 1/2 INCHES OR 1 1/2 BAR DIAMETERS, WHICHEVER IS GREATER, AT COLUMN. FOR BUNDLED BARS, MINIMUM CLEAR DISTANCES BETWEEN UNITS OF BUNDLED BARS SHALL BE SAME AS SINGLE BARS EXCEPT BAR DIAMETER IS DERIVED FROM EQUIVALENT TOTAL AREA OF BUNDLE.
 - PROVIDE THE FOLLOWING CONCRETE COVERAGE FOR REINFORCING STEEL PLACED IN CAST IN-PLACE CONCRETE:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES
 - CONCRETE EXPOSED TO EARTH OR WEATHER: NO. 6-NO. 18: 2 INCHES. NO. 5 BARS, W31 OR D31 WIRE, AND SMALLER 1.5 INCHES.
 - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: NO. 14 AND NO 18 BARS: 1.5 INCHES. NO. 11 BARS AND SMALLER: 1 INCH.
 - SLAB ON GRADE: MID-HEIGHT OF SLABS.
 - USE PLASTIC OR PLASTIC COATED SPACERS AND CHAIRS IF RESTING ON EXPOSED CONCRETE SURFACES.
 - REINFORCING STEEL BENDS SHALL BE MADE COLD. RE-BENDING OF PREVIOUSLY BENT REINFORCING IS NOT PERMITTED.
 - ALL REINFORCING STEEL SHALL BE SECURELY HELD IN PLACE WHILE PLACING CONCRETE. IF REQUIRED, ADDITIONAL BARS OR STIRRUPS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR ALL REINFORCING.
 - ALL REINFORCING STEEL SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN FINAL INSPECTION IS CONDUCTED.



HECO ENGINEERS

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PROFESSIONAL ENGINEER
 LICENSED
 18348
 STATE OF IDAHO
 JOSEPH EIZENBERGER
 Joseph Eizenberger
 Digitally signed by Joseph Eizenberger
 Date: 2024.04.22 15:52:05 -0600

ITD FAIRFIELD MOBILE HOME UNITS
 FAIRFIELD, ID

PROJECT NAME: _____

SHEET TITLE: _____

STRUCTURAL NOTES

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS OR SPECIFICATIONS

REVISION DATE

CLIENT PROJ. NUMBER: ITD24-0323
 ARCH. JOB NUMBER: 24626
 SHEET ISSUED DATE: APRIL 2024
 SHEET S0.0



Joseph Eixenberger
Digitally signed by Joseph Eixenberger
Date: 2024.04.22 15:53:03 -08'00'

ITD FAIRFIELD MOBILE HOME UNITS
FAIRFIELD, ID

PROJECT NAME:

SHEET TITLE:

TYP. MOBILE HOME FOUNDATION PLAN

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS or SPECIFICATIONS

REVISION DATE

CLIENT PROJ. NUMBER: ITD24-0323

ARCH. JOB NUMBER: 24626

SHEET ISSUED DATE: APRIL 2024

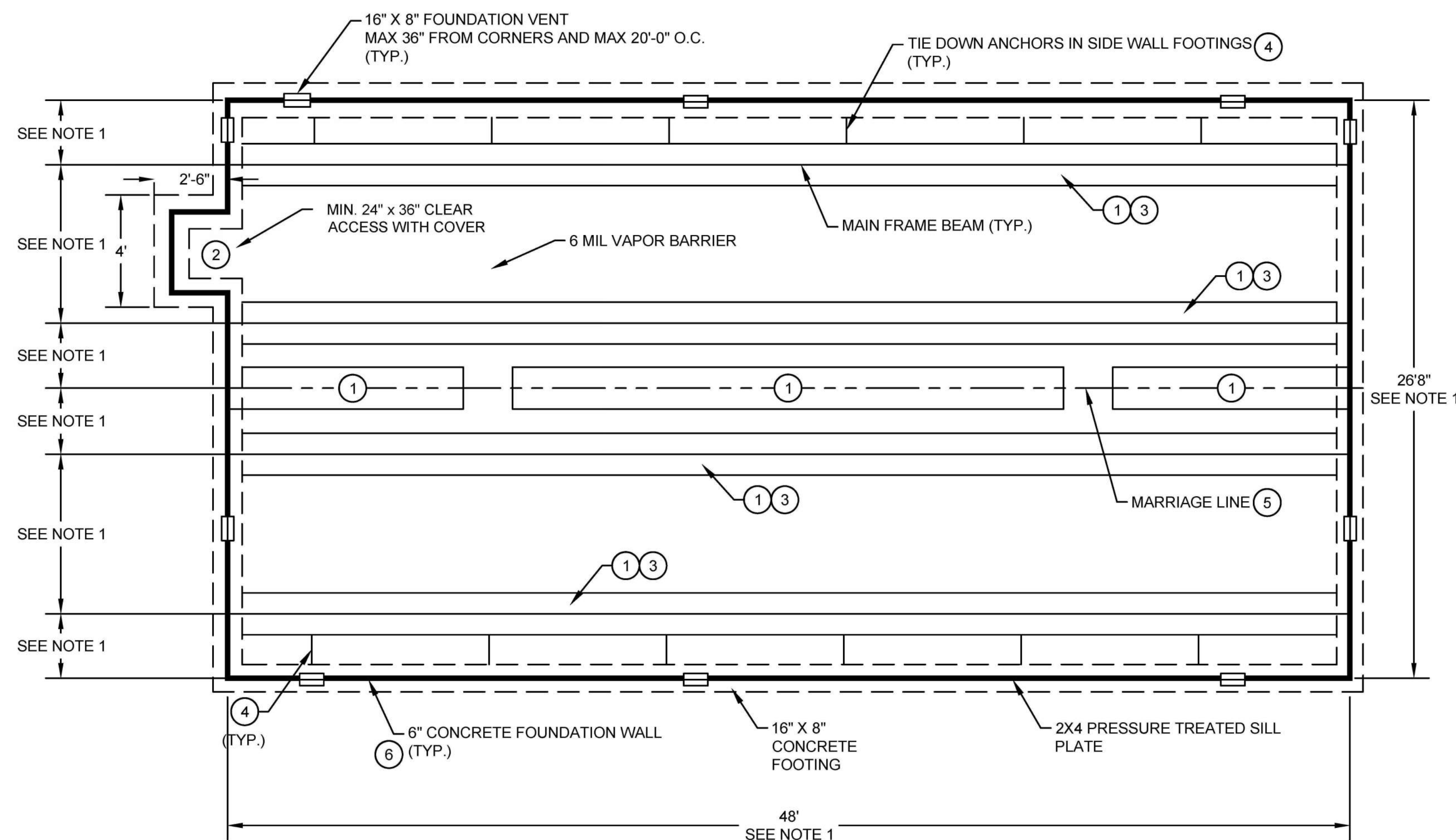
SHEET S1.0

FOUNDATION PLAN NOTES:

- VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS AND MANUFACTURER OF HOME.
- THE DEPTH OF FOOTING DIMENSION INDICATED ON THE PLAN IS A MINIMUM. FOUNDATION CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ENSURE THAT THESE MINIMUMS ARE SUFFICIENT FOR THE WORK.
- LATERAL HOLD DOWNS SHALL BE TIE-DOWN ENGINEERING, INC. OR APPROVED EQUAL.
- ANCHOR SHALL BE INSTALLED AT THE LOCATION INDICATED ON THE DRAWINGS, WET SET INTO FLOWABLE FILL. THE ANCHOR HAS A MIN. ALLOWABLE HOLDING FORCE OF 3,150 POUNDS (WORKING STRES) HORIZONTAL & VERTICAL STABILIZER DEVICE REQUIRED AT EACH ANCHOR.
- FOR SIDEWALK LANDING LOCATION, SEE ARCHITECTURAL DRAWINGS.
- ALL FOUNDATIONS SHALL BEAR ON COMPACTED ENGINEERING FILL OR COMPETENT NATIVE SOIL SUBBASE COMPACTED TO 95% DRY DENSITY (STANDARD PROCTOR). GRADE IS DEFINED AS LOWEST ADJACENT GRADE WITHIN 5 FEET OF THE BUILDING FOR PERIMETER FOOTINGS. WHERE EXTERIOR PAVING OR CONCRETE IS DIRECTLY ADJACENT TO BUILDING, GRADE IS DEFINED AS TOP OF EXTERIOR PAVING AT LEAST 5 FEET FORM BUILDING. CONCRETE FOOTING EXCAVATIONS SHALL BE CLEAN AND FREE OF LOOSE DEBRIS OR UN-COMPACTED MATERIAL AT TIME OF CONCRETE PLACEMENT.
- CONCRETE SLABS ON GRADE SHALL BE SUPPORTED ON A 4 INCH (MIN) LAYER OF FREE-DRAINING GRANULAR MAT (DRAINAGE FILL COURSE). THE MAT SHOULD CONSIST OF A WELL GRADED SAND AND GRAVEL MIXTURE WITH MAXIMUM 3/4 -INCH CRUSHED AGGREGATE. THE GRANULAR MAT SHOULD BE COMPACTED TO NO LESS THAN 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698.
- DESIGN IS BASED ON A DOUBLE 14" WIDE MANUFACTURED HOME. CONTRACTOR TO COORDINATE WITH THE MANUFACTURER AND INFORM THE ENGINEER FOR A REDESIGN IF ANY OF THE FOLLOWING IS UNTRUE:
- WEIGHT OF THE MANUFACTURED HOME IS BETWEEN 500 LBS AND 805 LBS PER LINEAR FOOT. THE DISTRIBUTED WEIGHT SHALL BE DETERMINED BY TAKING THE TOTAL WEIGHT OF THE HOME, INCLUDING MECHANICAL EQUIPMENT, AND DIVIDING IT BY THE LENGTH OF THE HOME.

KEY NOTES: #

- INSTALL CONTINUOUS CONCRETE FOOTING BENEATH MAIN FRAME BEAM PER DETAIL 1 OF S5.0 AND BELOW MARRIAGE LINE.
- ADJUST DIMENSIONS AND LOCATION OF ACCESS WITH ARCHITECTURAL DRAWINGS.
- ADD PREFABRICATED PIERS @ 5' O.C. UNDER MAIN FRAME BEAMS PER DETAIL 2 OF S5.0.
- ADD TIE DOWN ANCHORS 24" MAX FROM END OF MAIN FRAME BEAM AND THEN 11' O.C. MAX PER DETAIL 3 OF S5.0.
- PONY WALL TO SUPPORT T MARRIAGE LINE RIM JOISTS PER DETAIL 4 OF S5.0.
- FOUNDATION WALL AND FOOTING PER DETAIL 5 OF S5.0.



NOTES:

- DIMENSIONS FROM THE EDGE OF HOME, FRAME BEAMS, AND MARRIAGE LINE ARE UNKNOWN AND SUBJECT TO CHANGE BY THE MANUFACTURER. CONTRACTOR TO COORDINATE WITH THE HOME MANUFACTURER TO DETERMINE SPACING. FOOTING SHALL BE CENTERED UNDER THESE AREAS.
- THE DESIGN IS FOR THE FOUNDATION AND ANCHORS ONLY. THE DESIGN OF THE MANUFACTURED HOME, ITS COMPONENTS, AND CONNECTIONS SHALL BE THE RESPONSIBILITY OF OTHERS.

1 PERMANENT FOUNDATION SUPPORT SYSTEM
S1.0 SCALE: NTS



Joseph Eixenberger
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 Date: 2024.04.22 15:54:23 -0600

ITD FAIRFIELD MOBILE HOME UNITS
 FAIRFIELD, ID

PROJECT NAME:

SHEET TITLE:

PUMP HOUSE FOUNDATION PLAN

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS OR SPECIFICATIONS

REVISION DATE

CLIENT PROJ. NUMBER: ITD24-0323

ARCH. JOB NUMBER: 24626

SHEET ISSUED DATE: APRIL 2024

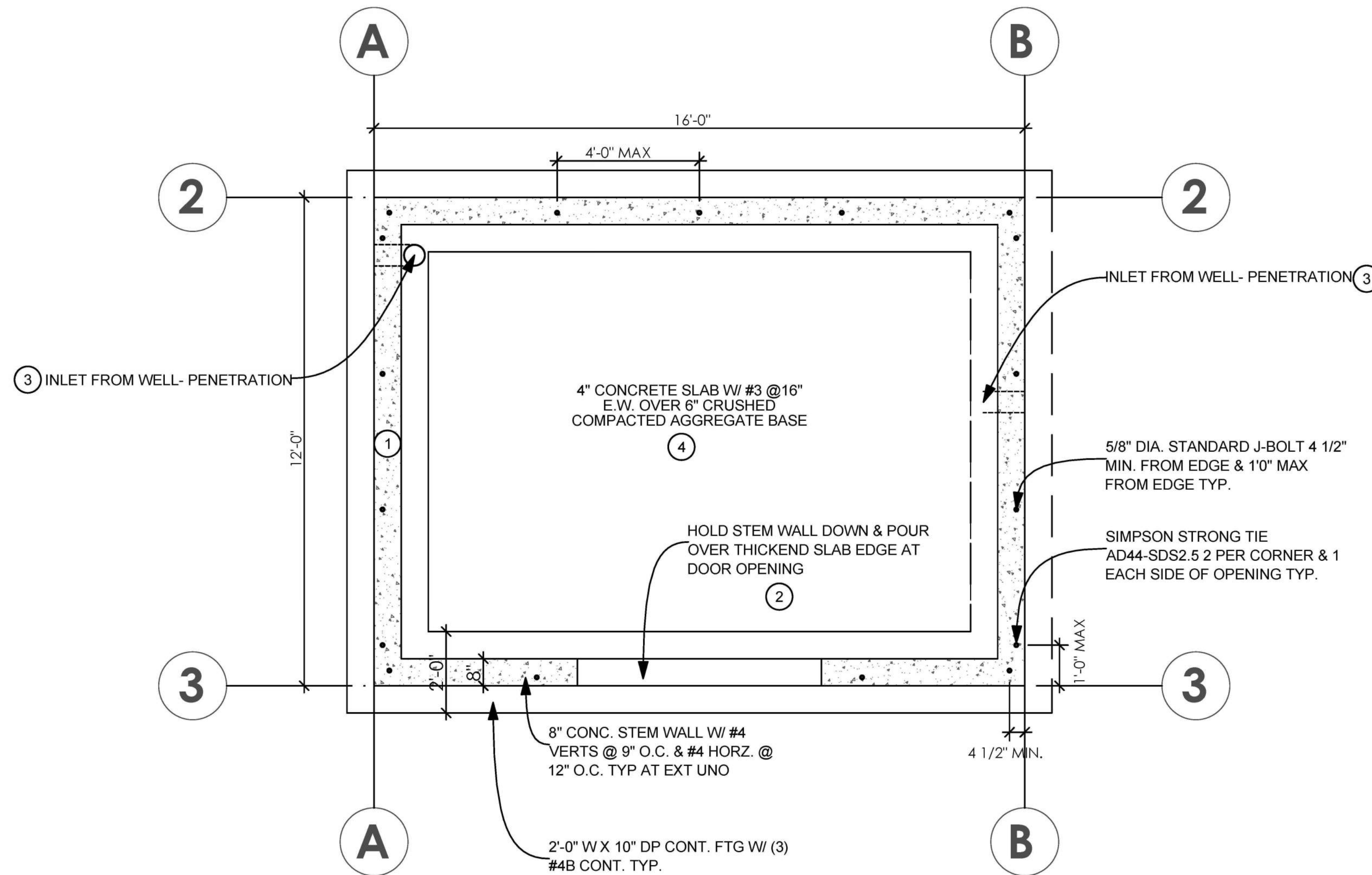
SHEET **S1.1**

FOUNDATION PLAN NOTES:

- A. VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS AND MANUFACTURER OF HOME.
- B. THE DEPTH OF FOOTING DIMENSION INDICATED ON THE PLAN IS A MINIMUM. FOUNDATION CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ENSURE THAT THESE MINIMUMS ARE SUFFICIENT FOR THE WORK.
- C. FOR SIDEWALK LANDING LOCATION, SEE ARCHITECTURAL DRAWINGS.
- D. ALL FOUNDATIONS SHALL BEAR ON COMPACTED ENGINEERING FILL OR COMPETENT NATIVE SOIL SUBBASE COMPACTED TO 95% DRY DENSITY (STANDARD PROCTOR). GRADE IS DEFINED AS LOWEST ADJACENT GRADE WITHIN 5 FEET OF THE BUILDING FOR PERIMETER FOOTINGS. WHERE EXTERIOR PAVING OR CONCRETE IS DIRECTLY ADJACENT TO BUILDING, GRADE IS DEFINED AS TOP OF EXTERIOR PAVING AT LEAST 5 FEET FORM BUILDING. CONCRETE FOOTING EXCAVATIONS SHALL BE CLEAN AND FREE OF LOOSE DEBRIS OR UN-COMPACTED MATERIAL AT TIME OF CONCRETE PLACEMENT.
- E. CONCRETE SLABS ON GRADE SHALL BE SUPPORTED ON A 6 INCH (MIN) LAYER OF FREE-DRAINING GRANULAR MAT (DRAINAGE FILL COURSE). THE MAT SHOULD CONSIST OF A WELL GRADED SAND AND GRAVEL MIXTURE WITH MAXIMUM 3/4 -INCH CRUSHED AGGREGATE. THE GRANULAR MAT SHOULD BE COMPACTED TO NO LESS THAN 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698.
- F. THE STRUCTURAL DESIGN WAS FOR THE FOUNDATION ONLY. THE REST OF THE PUMP HOUSE WAS DESIGNED BY OTHERS.

KEY NOTES: #

- 1. INSTALL CONTINUOUS CONCRETE FOOTING AND WALL PER DETAIL 1 OF S5.1.
- 2. ADJUST STEM WALL AND THICKEN EDGE OF SLAB PER DETAIL 3 OF S5.1.
- 3. ADD PENETRATION THROUGH WALL PER DETAIL 2 OF S5.1.
- 4. ADD CONCRETE SLAB PER DETAIL 1 OF S5.1.

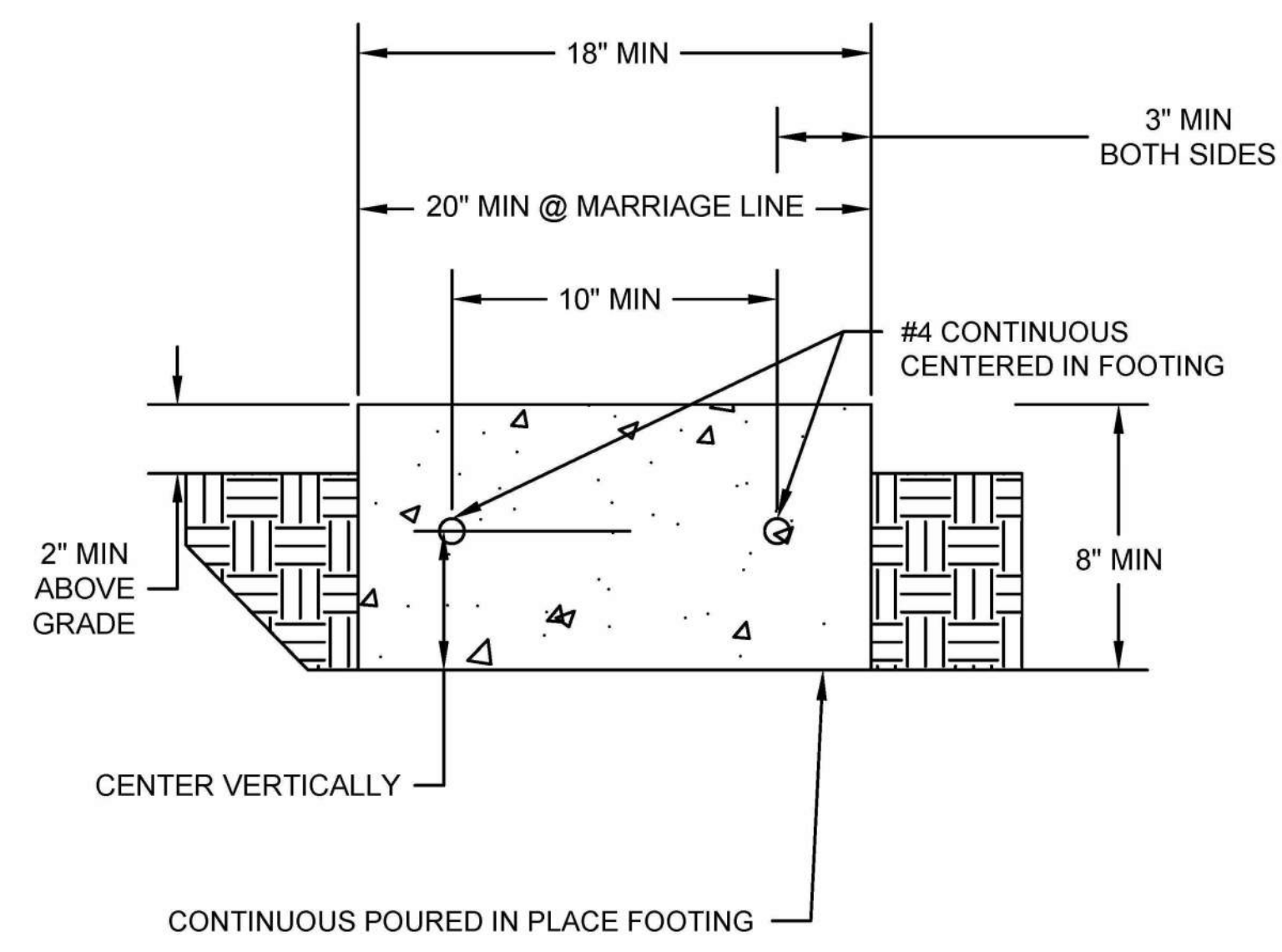


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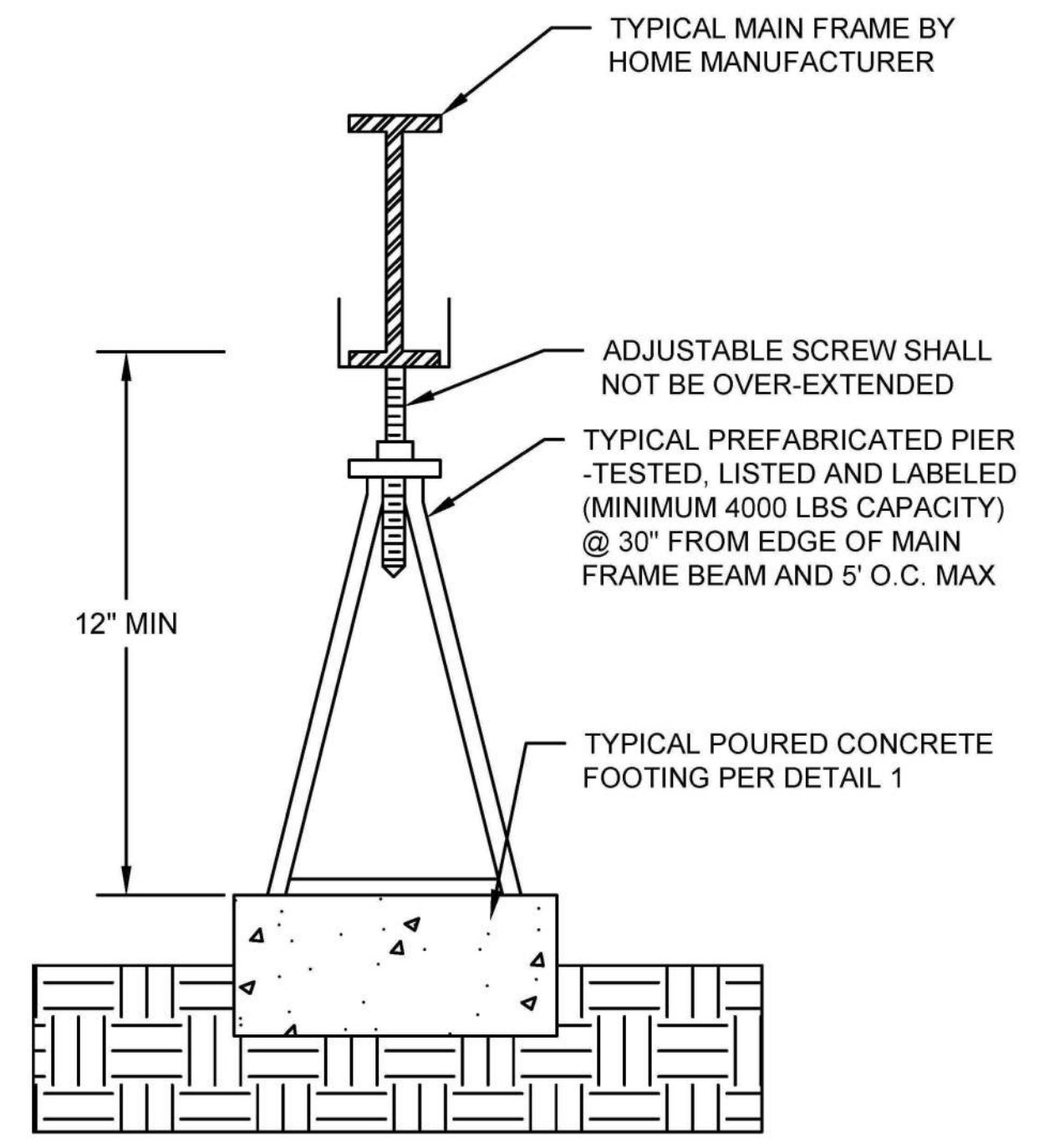
- 1. THE DESIGN IS FOR THE FOUNDATION OF THE PUMP HOUSE AND HOLD DOWNS ONLY. THE DESIGN OF THE REST OF THE PUMP HOUSE IS THE RESPONSIBILITY OF OTHERS

1 FOUNDATION PLAN
 S1.1 SCALE: 1/2" = 1'-0"

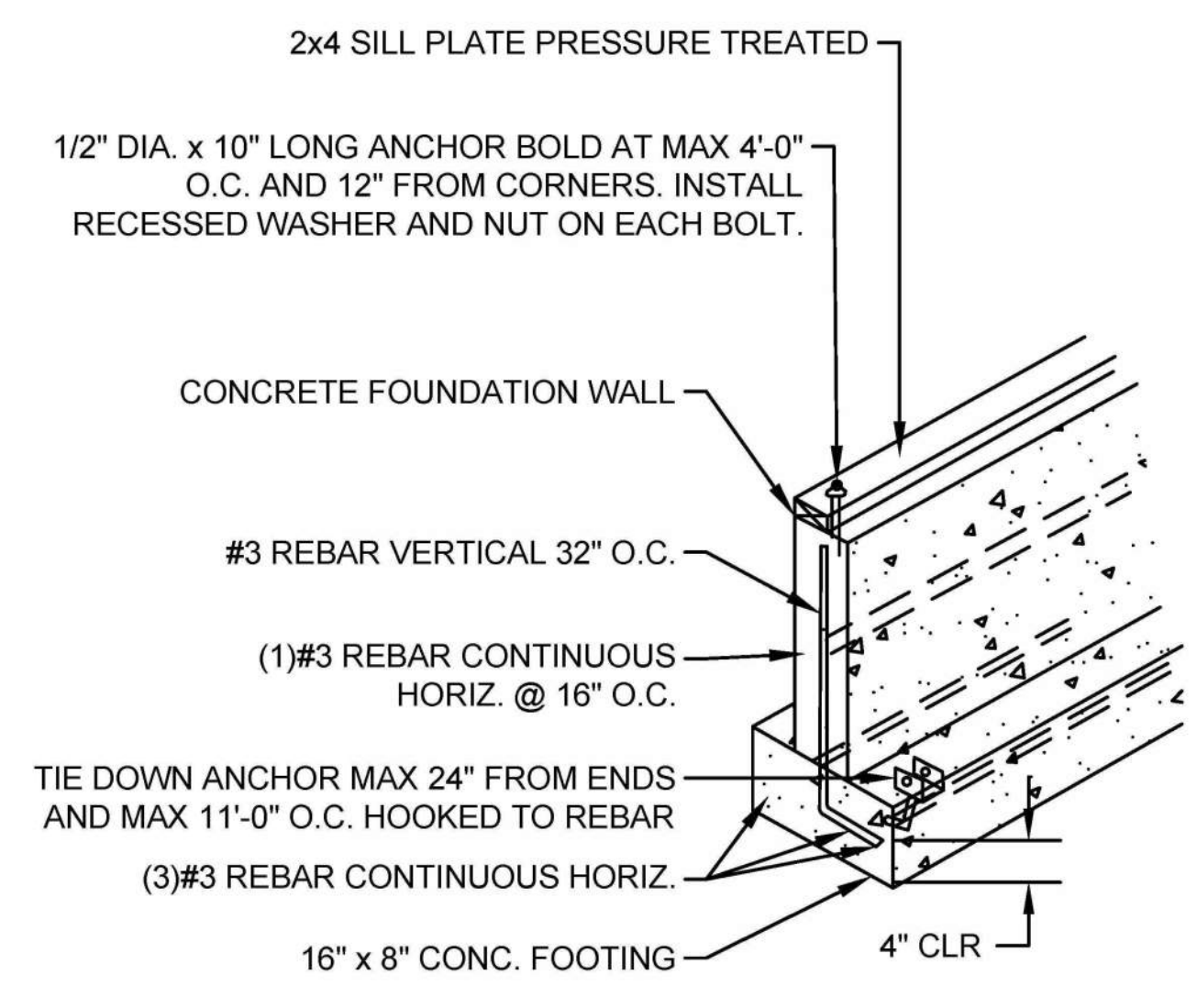




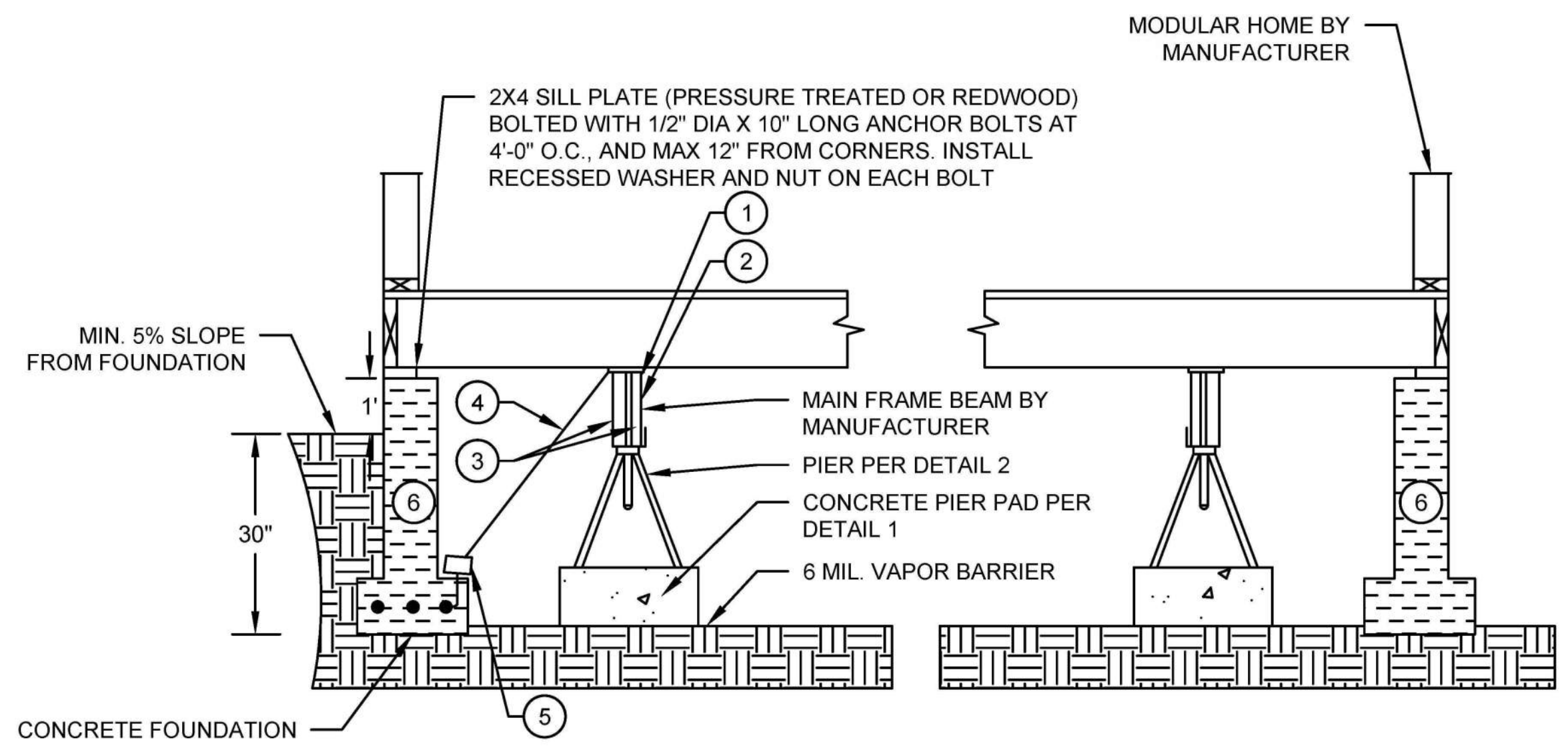
1 CONTINUOUS CONCRETE FOOTING
S5.0 SCALE: NTS



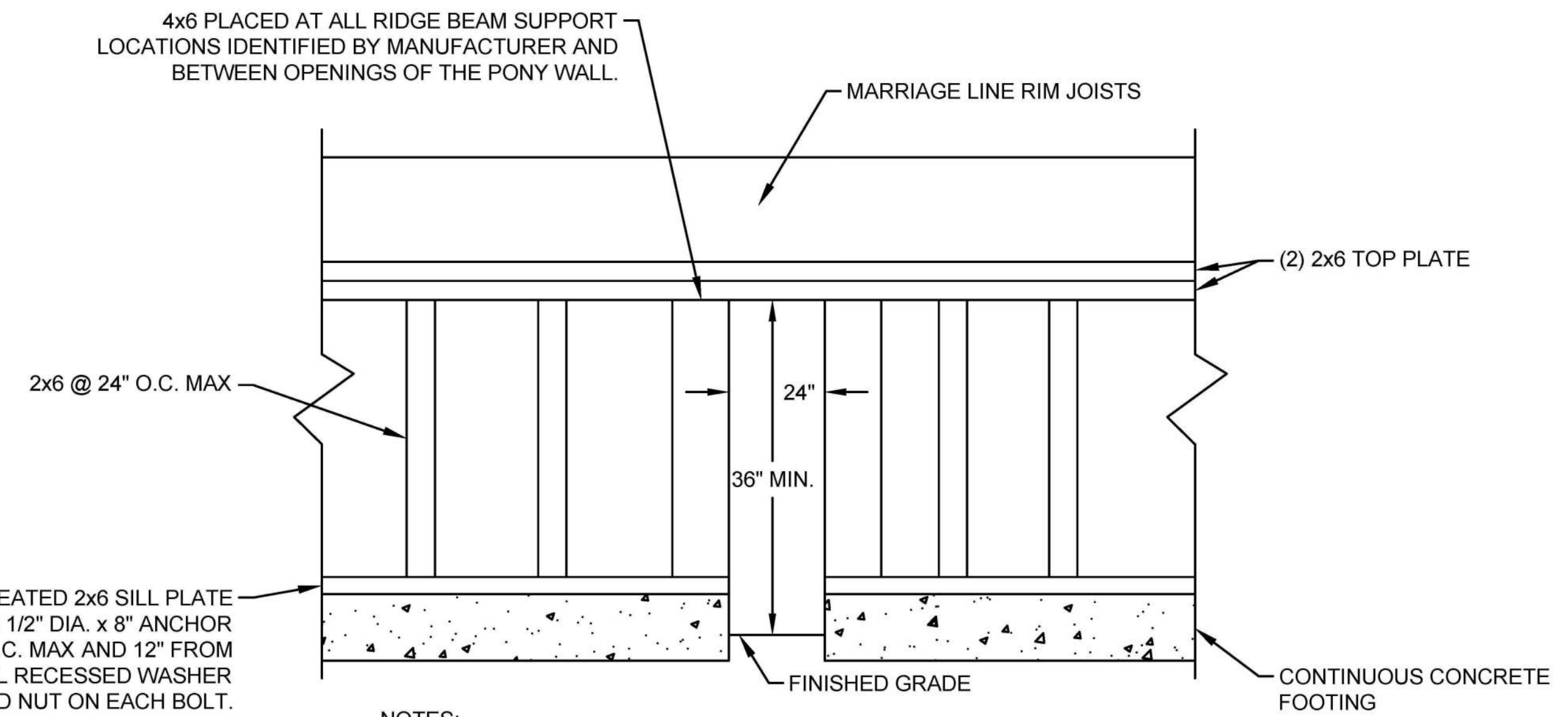
2 TYPICAL PREFABRICATED PIER
S5.0 SCALE: NTS



5 POURED CONCRETE FOUNDATION
S5.0 SCALE: NTS



3 SECTION THROUGH CONCRETE FOUNDATION
S5.0 SCALE: NTS



4 MARRIAGE WALL PONY WALL
S5.0 SCALE: NTS

KEY NOTES: #

1. TIE DOWN BUCKLE OPPOSITE SIDE OF HOLD DOWN ANCHOR.
2. METAL HOLD DOWN STRAP THROUGH BUCKLE TWO TIMES.
3. METAL HOLD DOWN STRAP AROUND FRAME.
4. METAL HOLD DOWN STRIP TO ANCHOR.
5. TYP. CONCRETE J ANCHOR BY TIE DOWN ENGINEERING.
6. POURED CONCRETE FOUNDATION PER DETAIL 5.

PRESSURE TREATED 2x6 SILL PLATE BOLTED WITH 1/2" DIA. x 8" ANCHOR BOLTS @ 4' O.C. MAX AND 12" FROM ENDS. INSTALL RECESSED WASHER AND NUT ON EACH BOLT.

- NOTES:
1. ALL WOOD MEMBERS WILL BE DOUGLAS FIR #2 OR BETTER
 2. CONSTRUCTION OF PONY WALL WILL BE ACCORDING TO INTERNATIONAL BUILDING CODE 2308.5 AND CONNECTIONS PER TABLE 2304.10.1.



Joseph Eixenberger
 Digitally signed by Joseph Eixenberger
 Date: 2024.04.22 15:57:12 -0600

ITD FAIRFIELD MOBILE HOME UNITS
 FAIRFIELD, ID

PROJECT NAME:

SHEET TITLE:

PUMP HOUSE FOUNDATION DETAILS

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS OR SPECIFICATIONS

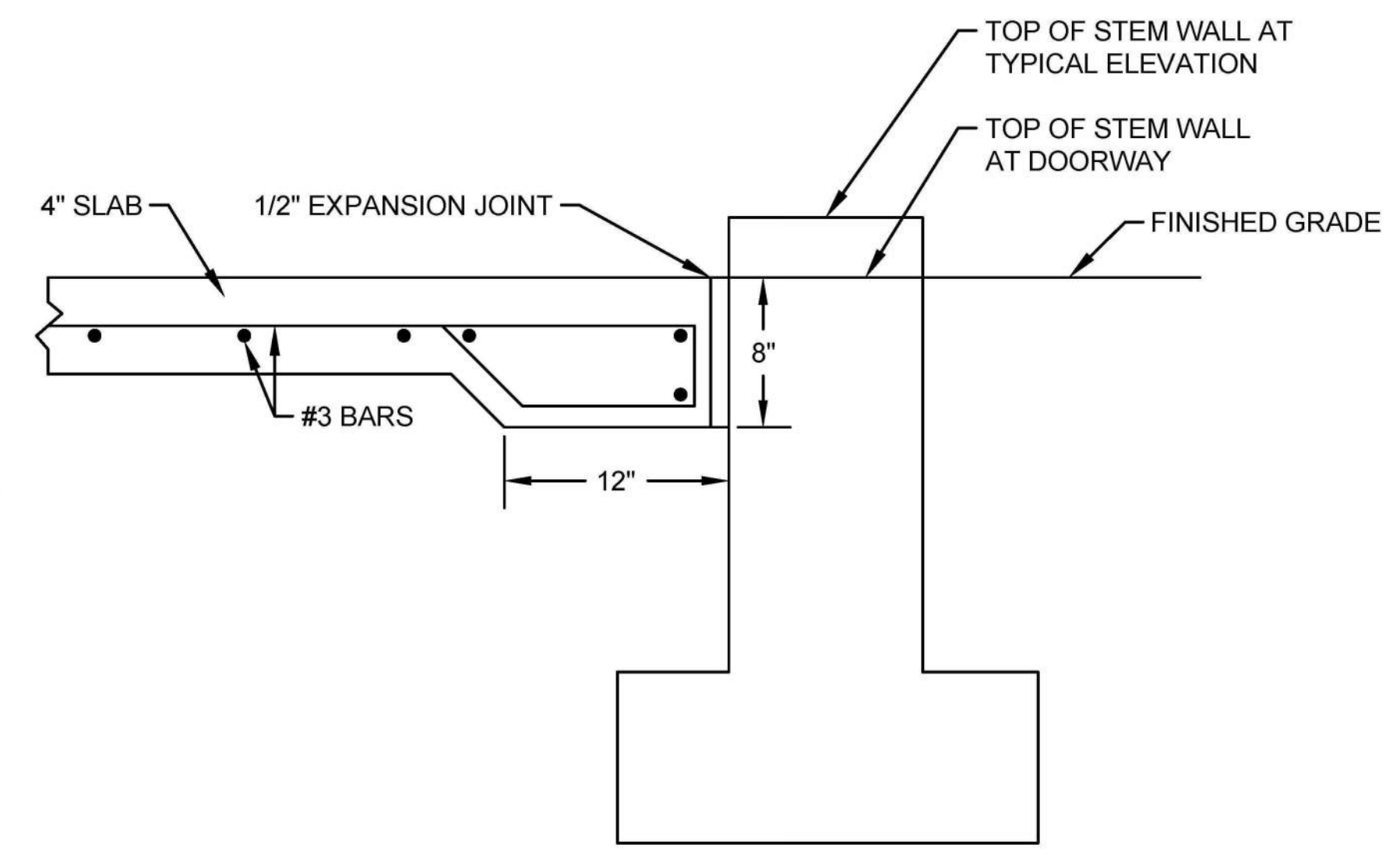
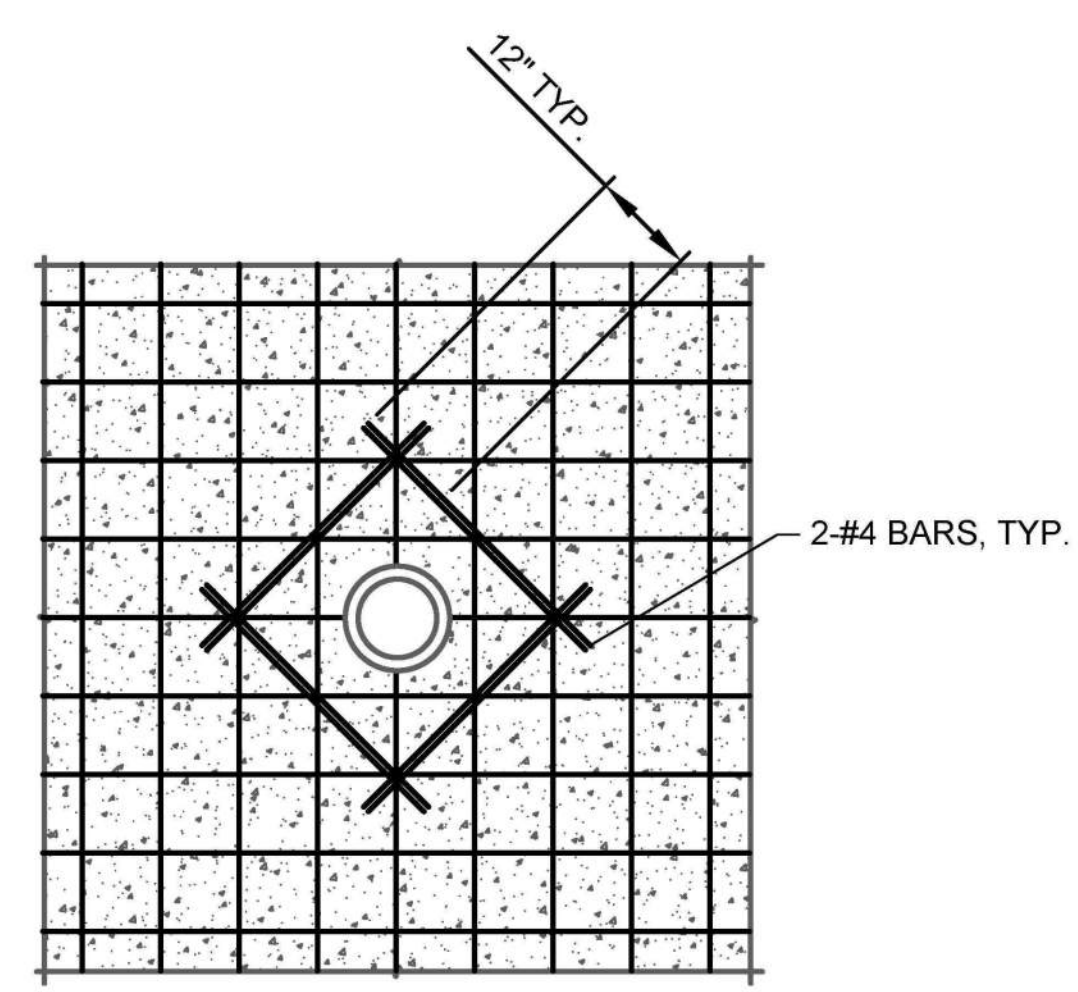
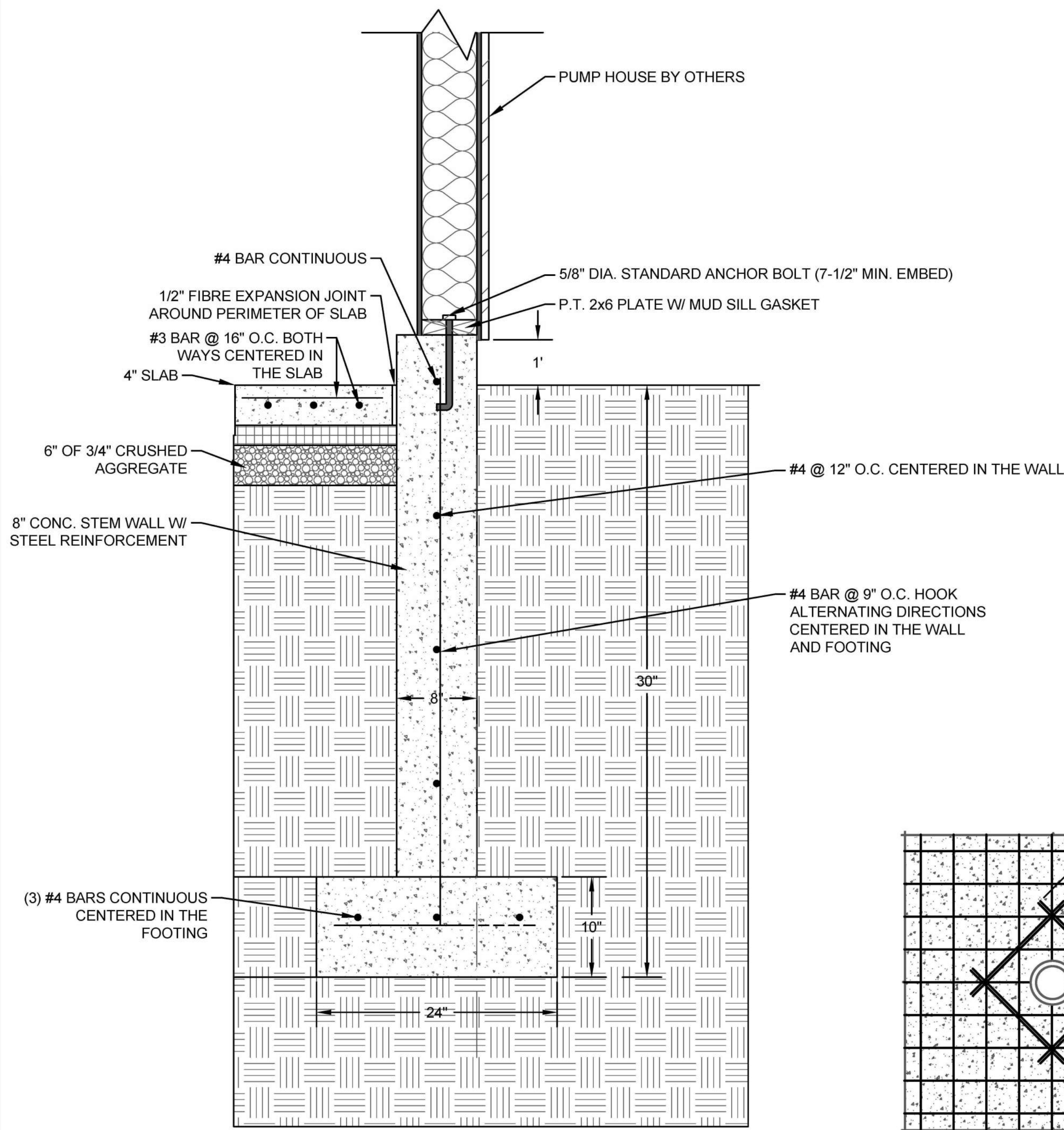
REVISION DATE

CLIENT PROJ. NUMBER: ITD24-0323

ARCH. JOB NUMBER: 24626

SHEET ISSUED DATE: APRIL 2024

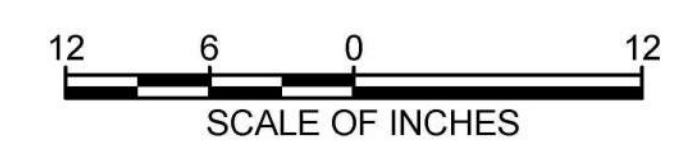
SHEET **S5.1**



1 A
 S5.1 SCALE: 1-1/2" = 1'-0"

2
 S5.1 PIPE PENETRATION DETAIL
 SCALE: NTS

3
 S5.1 THICKENED EDGE AT DOOR EDGE
 SCALE: NTS



SECTION 15010: BASIC MECHANICAL REQUIREMENTS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION-1 SPECIFICATION SECTIONS, APPLY TO THE WORK OF THIS SECTION.

1.02 SUMMARY

- A. FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND SERVICES FOR ALL MECHANICAL WORK AS SPECIFIED AND INDICATED, IN ACCORDANCE WITH PROVISIONS OF CONTRACT DOCUMENTS. COMPLETELY COORDINATE WITH WORK OF ALL OTHER TRADES. ALTHOUGH SUCH WORK IS NOT SPECIFICALLY INDICATED, FURNISH AND INSTALL ALL SUPPLEMENTARY OR MISCELLANEOUS ITEMS, APPURTENANCES AND DEVICES INCIDENTAL TO OR NECESSARY FOR A SOUND, SECURE AND COMPLETE INSTALLATION.
- B. FURNISH AND PROVIDE ALL NECESSARY NOTICES, OBTAIN AND PAY FOR ALL PERMITS AND PAY ALL GOVERNMENT SALES TAXES, FEES AND OTHER COSTS INCURRED IN CONNECTION WITH THE WORK. OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR THE WORK.
- C. DRAWINGS, USE AND INTERPRETATION:
 - 1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT, EXCEPT -WHEN SPECIFICALLY DIMENSIONED OR DETAILED.
 - 2. FOR EXACT LOCATIONS OF BUILDING ELEMENTS, REFER TO DIMENSIONED ARCHITECTURAL AND STRUCTURAL DRAWINGS.
 - 3. FIELD MEASUREMENTS TAKE PRECEDENCE OVER DIMENSIONED DRAWINGS.
 - 4. PIPING AND DUCTWORK PLANS ARE INTENDED TO SHOW SIZE, CAPACITY, APPROXIMATE LOCATION, DIRECTION AND GENERAL RELATIONSHIP OF ONE WORK PHASE TO ANOTHER, BUT NOT THE EXACT DETAIL OR ARRANGEMENT.
 - 5. FIELD VERIFY LOCATIONS AND ARRANGEMENT OF ALL EXISTING SYSTEMS AND EQUIPMENT.

1.03 QUALITY ASSURANCE

- A. PERFORM ALL WORK IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.

1.04 JOB CONDITIONS

- A. CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING UTILITIES AND SERVICES AS POSSIBLE. WORK WHICH WILL CAUSE INTERFERENCE OR INTERRUPTION SHALL BE SCHEDULED IN ADVANCE WITH CONSTRUCTION MANAGER.
- B. EXAMINE CONTRACT DOCUMENTS TO DETERMINE HOW OTHER WORK WILL AFFECT EXECUTION OF MECHANICAL WORK.
- C. DETERMINE AND VERIFY LOCATIONS OF ALL EXISTING UTILITIES.
- D. ESTABLISH LINES AND LEVELS FOR EACH SYSTEM AND COORDINATE WITH OTHER SYSTEMS TO PREVENT CONFLICTS AND MAINTAIN PROPER CLEARANCES AND ACCESSIBILITY.

PART 2 - PRODUCTS

2.01 GENERAL

- A. MATERIALS FOR MECHANICAL WORK: USE ONLY PRIME QUALITY, NEW MATERIALS, APPARATUS AND EQUIPMENT.
 - 1. STANDARD PRODUCTS OF MANUFACTURER SPECIFIED.
 - 2. WHERE MORE THAN ONE UNIT IS REQUIRED ON ANY ITEM, FURNISH BY THE SAME MANUFACTURER, EXCEPT WHERE SPECIFIED OTHERWISE.
 - 3. INSTALL SAME MANUFACTURER, EXCEPT AS OTHERWISE SPECIFIED.
 - 4. INSTALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- B. FURNISH EQUIPMENT THAT WILL OPERATE UNDER ALL CONDITIONS OF LOAD WITHOUT ANY SOUND OR VIBRATION THAT IS OBJECTIONABLE IN THE OPINION OF THE ARCHITECT/ENGINEER. VIBRATION OR NOISE CONSIDERED OBJECTIONABLE WILL BE CORRECTED BY THE SUBCONTRACTOR AT HIS EXPENSE.
- C. FURNISH AND INSTALL ALL NECESSARY FOUNDATIONS, SUPPORTS, PADS, BASES AND PIERS REQUIRED FOR ALL MATERIALS AND EQUIPMENT FURNISHED UNDER THIS CONTRACT.
- D. PROVIDE ALL REQUIRED FIRE STOPPING AT PIPING AND DUCT PENETRATIONS OF FIRE RATED WALL, FLOORS, CEILINGS AND ROOFS.

2.02 MATERIALS AND EQUIPMENT

- A. DELIVER MATERIALS OR EQUIPMENT TO SITE IN THE MANUFACTURER'S ORIGINAL UNOPENED, LABELED CONTAINERS AND ADEQUATELY PROTECT AGAINST MOISTURE, TAMPING OR DAMAGE FROM IMPROPER HANDLING OR STORAGE. DO NOT DELIVER TO SITE BEFORE ITEMS ARE READY FOR INSTALLATION.
- B. FACTORY APPLIED FINISHES: REPAIR AND/OR REFINISH WORK DAMAGED BY THE WORK OF THIS DIVISION, TO THE ENGINEER'S SATISFACTION. OBTAIN FINISHING MATERIALS FROM EQUIPMENT MANUFACTURER.
- C. COMPLY WITH THE REQUIREMENTS FOR SUBSTITUTIONS SPECIFIED ELSEWHERE IN THIS SECTION.

2.03 MANUFACTURERS

- A. QUALIFICATIONS: FIRMS REGULARLY ENGAGED IN MANUFACTURE OF PRODUCTS SPECIFIED, OF TYPES AND CAPACITIES REQUIRED, WHOSE PRODUCTS HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR NOT LESS THAN 5 YEARS, UNLESS OTHERWISE SPECIFIED.
- B. SUBJECT TO COMPLIANCE WITH REQUIREMENTS SPECIFIED, PROVIDE MATERIAL OR PRODUCT FROM ONE OF THE MANUFACTURERS LISTED FOR EACH ITEM.

2.04 SUBMITTALS

- A. WITHIN THIRTY DAYS AFTER AWARD OF CONTRACT, PROVIDE SIX COPIES OF A COMPLETE LIST OF ALL MATERIALS AND EQUIPMENT PROPOSED FOR THIS PROJECT.
- B. INCLUDE MAKE, TYPE, MANUFACTURER'S NAME, TRADE DESIGNATION, OPERATING WEIGHT AND LOCATION OF THE CENTER OF GRAVITY (WHERE APPLICABLE) OF EACH ITEM OF EQUIPMENT IN MANUFACTURER'S CUT SHEET.
- C. APPROVAL OF SUBMITTALS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY OF DEVIATIONS FROM THE PLANS OR SPECIFICATIONS, UNLESS HE HAS, IN WRITING, CALLED THE ARCHITECTS/ENGINEERS ATTENTION TO DEVIATIONS AT THE TIME OF SUBMISSION, AND OBTAINED HIS WRITTEN APPROVAL. APPROVAL OF SUBMITTALS DOES NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS IN SHOP DRAWINGS OR LITERATURE.
- D. EQUIPMENT REQUIRING SUBMITTALS:
 - 1. PLUMBING FIXTURES.
 - 2. HVAC EQUIPMENT
 - 3. GRILLES, REGISTERS, DIFFUSERS.

2.05 SUBSTITUTION

- A. GENERAL:
 - 1. MODEL, SIZE AND SCHEDULED DATA REFER TO THE MANUFACTURER INDICATED IN EQUIPMENT SCHEDULES.
 - 2. MANUFACTURERS NAMED IN THIS SPECIFICATION ARE ACCEPTABLE, BUT THEIR EQUIPMENT, MATERIALS AND/OR METHODS ARE SUBJECT TO THE ENGINEER'S REVIEW AND ACCEPTANCE.
 - 3. WHERE "OR EQUAL" IS MENTIONED AND MANUFACTURER, MATERIAL AND/OR METHOD OTHER THAN SPECIFIED ARE SUBMITTED FOR APPROVAL, INCLUDE PROOF OF EQUALITY. THE BURDEN OF PROOF AS TO THE EQUALITY OF ANY PROPOSED SUBSTITUTE MANUFACTURER, MATERIAL OR METHOD SHALL REST UPON THE CONTRACTOR.
 - 4. THE ENGINEER'S DECISION SHALL BE FINAL.
- B. REQUESTS FOR SUBSTITUTION REVIEW AND ACCEPTANCE SHALL BE ACCOMPLISHED BY TABLE OF COMPARISON LISTING PERTINENT FEATURES OF BOTH SPECIFIED AND PROPOSED MATERIALS, SUCH AS MATERIAL OF CONSTRUCTION, REPLACEMENT OR MAINTENANCE ACCESS, MOTOR TYPE, HORSEPOWER, VOLTAGE, PHASE, SERVICE FACTOR. REVIEW OF PROPOSED SUBSTITUTIONS WILL NOT BE MADE UNTIL RECEIPT OF SATISFACTORY COMPARISON TABULATION.
- C. SUBMITTAL OF SUBSTITUTIONS SHALL BE LIMITED TO ONE PROPOSAL FOR EACH TYPE OR KIND OF ITEM, UNLESS OTHERWISE PERMITTED BY ENGINEER. IF FIRST PROPOSED PRODUCT SUBMITTAL IS REJECTED, CONTRACTOR SHALL THEN SUBMIT THE FIRST-NAMED OR SCHEDULED PRODUCT.

PART 3 - EXECUTION

3.01 GENERAL

- A. COORDINATE ALL WORK WITH THE VARIOUS TRADES INVOLVED TO PROVIDE A COMPLETE AND SATISFACTORY INSTALLATION.
- C. WHEN CHANGES IN LOCATION OF ANY WORK ARE REQUIRED, OBTAIN APPROVAL OF ENGINEER BEFORE MAKING CHANGE.
- D. DO NOT CHANGE INDICATED SIZES WITHOUT APPROVAL OF ENGINEER.
- E. PROVIDE ALL NECESSARY OFFSETS AND CROSSOVERS IN PIPING AND DUCTWORK, WHETHER INDICATED OR NOT.
- F. INSTALL PIPING PARALLEL TO WALLS AND VERTICALLY PLUMB.
- G. EXAMINE AREAS AND CONDITIONS UNDER WHICH MECHANICAL SYSTEM MATERIALS AND PRODUCTS ARE TO BE INSTALLED. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN MANNER ACCEPTABLE TO INSTALLER.

3.02 ELECTRICAL

- A. ELECTRIC MOTORS REQUIRED FOR EQUIPMENT SPECIFIED IN THIS SECTION SHALL BE PROVIDED AND INSTALLED BY THIS SUBCONTRACTOR. MOTOR STARTERS, DISCONNECTS, RELAYS, PILOT LIGHTS, ETC. ARE, IN GENERAL, TO BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. STARTERS, RELAYS, CONTROLS, ETC. WHICH IS FACTORY ASSEMBLED INTO PACKAGED EQUIPMENT SHALL BE FURNISHED BY THIS SUBCONTRACTOR UNDER THIS SECTION OF THE SPECIFICATIONS.
- B. ALL MOTORS SHALL BE PROVIDED WITH ADEQUATE STARTING AND PROTECTIVE EQUIPMENT AS SPECIFIED OR REQUIRED. MOTOR CAPACITY SHALL BE SUFFICIENT TO OPERATE DRIVEN DEVICE UNDER ALL CONDITIONS OF OPERATION AND LOAD WITHOUT OVERLOAD. MINIMUM HORSEPOWER SHALL BE AS SPECIFIED.

3.03 EXCAVATING, TRENCHING, AND BACKFILLING

- A. GENERAL: LAY PIPE TO REQUIRED LINES AND GRADES. PLACE FITTINGS AND VALVES AT REQUIRED LOCATIONS AND WITH JOINTS CENTERED, SPIGOTS HOME, AND VALVE STEMS PLUMB.
 - 1. SUBSURFACE EXPLORATIONS: WHENEVER NECESSARY TO DETERMINE LOCATION OF EXISTING UNDERGROUND UTILITY STRUCTURES, EXAMINE AVAILABLE RECORDS AND MAKE EXPLORATIONS AND EXCAVATIONS NECESSARY TO DETERMINE UTILITY LOCATIONS.
 - 2. OBSTRUCTIONS CAUSED BY OTHER UTILITY STRUCTURES: WHERE GRADES OR ALIGNMENT OF PIPE IS OBSTRUCTED BY EXISTING UTILITY STRUCTURES SUCH AS CONDUITS, DUCTS, PIPES, BRANCH CONNECTIONS TO MAIN SEWERS, OR MAIN DRAINS, PERMANENTLY SUPPORT, RELOCATE, REMOVE, OR RECONSTRUCT OBSTRUCTION.
 - 3. PROTECTING UNDERGROUND AND SURFACE STRUCTURES: PROVIDE TEMPORARY SUPPORT AND ADEQUATE PROTECTION AND MAINTENANCE OF UNDERGROUND AND SURFACE UTILITY STRUCTURES, DRAINS, SEWERS, AND OTHER OBSTRUCTIONS ENCOUNTERED IN PROGRESS OF THE WORK. PROTECT POLES, FENCES, TREES, AND OTHER PROPERTY UNLESS THEIR REMOVAL IS AUTHORIZED. SATISFACTORILY RESTORE ANY PROPERTY DAMAGED.
 - 4. DEVIATIONS: MAKE NO DEVIATION FROM REQUIRED LINE OR GRADE WITHOUT WRITTEN PERMISSION.

3.04 CUTTING AND PATCHING

- A. PROVIDE ALL CUTTING AND PATCHING NECESSARY TO INSTALL THE WORK SPECIFIED IN THIS SECTION.
 - 1. PATCHING SHALL MATCH ADJACENT SURFACES.
 - 2. NO STRUCTURAL MEMBERS SHALL BE CUT WITHOUT THE APPROVAL OF THE ARCHITECT/ENGINEER.
 - 3. LOCATE OPENINGS AND SLEEVES TO PERMIT NEAT INSTALLATION OF PIPING, DUCTWORK AND EQUIPMENT.

3.05 INSTALLATION OF EQUIPMENT

- A. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- B. PROVIDE ALL NECESSARY ANCHORING DEVICES AND SUPPORTS.
 - 1. USE STRUCTURAL SUPPORTS SUITABLE FOR EQUIPMENT, OR AS INDICATED.
 - 2. CHECK LOADINGS AND DIMENSIONS OF EQUIPMENT WITH SHOP DRAWINGS.
 - 3. DO NOT CUT OR WELD TO BUILDING STRUCTURAL MEMBERS, UNLESS SPECIFICALLY INDICATED OTHERWISE.
 - 4. PROVIDE ALL EQUIPMENT SUPPORTS NOT DETAILED ON ARCHITECTURAL AND MECHANICAL DRAWINGS.
- C. VERIFY THAT EQUIPMENT WILL FIT SUPPORT LAYOUTS INDICATED.
 - 1. WHERE SUBSTITUTE EQUIPMENT IS USED, REVISE INDICATED SUPPORTS TO FIT.
 - 2. COORDINATE SIZE AND LOCATION OF ROOF PENETRATIONS AND WALL OPENINGS WITH WORK OF OTHER SECTIONS.
- D. INSTALL RAIN HOODS AND METAL COUNTER FLASHINGS AS INDICATED AND TO MAKE ALL PENETRATIONS OF MECHANICAL WORK THROUGH WALLS AND ROOFS, WATER AND WEATHER-TIGHT. FURNISH ALL CLAMPS, WATERPROOFING MATERIAL AND LABOR NECESSARY.
- E. INSTALL EQUIPMENT TO PERMIT EASY ACCESS FOR NORMAL MAINTENANCE.
 - 1. MAINTAIN EASY ACCESS TO FILTERS, MOTORS, DRIVES, VALVES, ETC.
 - 2. MINOR CHANGES FROM THE DRAWINGS MAY BE MADE, WITH PRIOR APPROVAL, TO ALLOW FOR BETTER ACCESSIBILITY.
- F. IN MECHANICAL AREAS, COORDINATE LOCATIONS OF FLOOR DRAINS, FLOOR SINKS, ETC., WITH LOCATIONS OF EQUIPMENT AND HOUSEKEEPING PADS. LOCATE DRAINS TO PROPERLY SERVE EQUIPMENT AND TO RESULT IN ORDERLY ROUTING OF DRAIN PIPING, WHILE MINIMIZING TRIPPING HAZARDS, ETC.

3.06 INSTALLATION OF EQUIPMENT FURNISHED BY OWNER OR OTHER DIVISION

- A. RECEIVE, UN-CRATE, INSPECT, MOVE IN PLACE AND INSTALL ANY OWNER SUPPLIED EQUIPMENT.
- B. PROVIDE ROUGH-IN AND FINAL CONNECTIONS TO ALL EQUIPMENT REQUIRING MECHANICAL SERVICES.
- C. INSTALL ALL FITTINGS, VALVES, AND OTHER ITEMS FURNISHED AS INTEGRAL PART OF EQUIPMENT, BUT SHIPPED LOOSE.

3.07 FIELD QUALITY CONTROL

- A. PERFORM INDICATED TESTS TO DEMONSTRATE WORKMANSHIP, OPERATION, AND PERFORMANCE.
 - 1. CONDUCT TESTS IN PRESENCE OF INSPECTORS OF AGENCIES HAVING JURISDICTION, AS REQUIRED.
 - 2. FURNISH ALL LUBRICATING MATERIALS REQUIRED FOR TEST.
- B. REPAIR OR REPLACE EQUIPMENT AND SYSTEMS FOUND INOPERATIVE OR DEFECTIVE AND RE-TEST.
 - 1. IF EQUIPMENT OR SYSTEM FAILS RE-TEST, REPLACE IT WITH PRODUCTS WHICH CONFORM WITH CONTRACT DOCUMENTS.
 - 2. CONTINUE REMEDIAL MEASURES AND RE-TESTS UNTIL SATISFACTORY RESULTS ARE OBTAINED.

3.08 ADJUST AND CLEAN

- A. INSPECT ALL EQUIPMENT AND PUT IN GOOD WORKING ORDER.
- B. CLEAN ALL EXPOSED AND CONCEALED ITEMS:
 - 1. CLEAN FLOOR DRAINS, CLEANOUTS, AND PLUMBING FIXTURES.
 - 2. CLEAN SPECIALTIES SUCH AS TRAPS AND STRAINERS.
- C. EQUIPMENT AND MATERIALS: REMOVE FOREIGN MATERIALS INCLUDING DIRT, GREASE, SPLASHED PAINT, AND PLASTER, ETC. RESTORE TO ORIGINAL CONDITION AND FINISH DAMAGED ITEMS.
- D. DOMESTIC WATER SYSTEMS:
 - 1. STERILIZATION: AFTER ABOVE FLUSHING, DRAINING, AND REFILLING, STERILIZE DOMESTIC WATER SYSTEMS IN ACCORDANCE WITH REQUIREMENTS OF PUBLIC HEALTH AGENCY HAVING JURISDICTION. IF HEALTH DEPT. DOES NOT HAVE SPECIFIC REQUIREMENTS, USE FOLLOWING ALTERNATIVE.
 - a. ALTERNATIVE PROCEDURE: STERILIZE DOMESTIC WATER SYSTEMS WITH 4% CHLORINE SOLUTION INJECTED INTO SYSTEM TO CONCENTRATION OF 50 PARTS PER MILLION AND ALLOW TO STAND FOR 24 HOURS. AFTER THIS PERIOD, PURGE THROUGHOUT ENTIRE STRUCTURE AT OUTLETS; REDUCE SYSTEM CHLORINE CONTENT TO LESS THAN 1 PART PER MILLION.
 - 2. WARNING SIGNS: PROVIDE SIGNS AT OUTLETS DURING CHLORINATION.
- E. GAS: AFTER TESTING OF NATURAL GAS OR PROPANE SYSTEM, AND BEFORE ANY GAS OR PROPANE IS PUT INTO LINE, BLOW OUT ENTIRE SYSTEM OF PIPING TO REMOVE SCALE AND DIRT; PURGE AIR BY FILLING SYSTEM WITH GAS.
- F. ADJUSTING: ADJUST EQUIPMENT AND SYSTEM COMPONENTS AS INDICATED OR AS OTHERWISE REQUIRED TO RESULT IN INTENDED SYSTEM OPERATION. THEREAFTER, AS A RESULT OF SYSTEM OPERATION, OR AS DIRECTED, MAKE READJUSTMENTS AS NECESSARY TO REFINE PERFORMANCE AND TO EFFECT COMPLETE SYSTEM TUNEUP.



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ITD FAIRFIELD MOBILE HOME UNITS
FAIRFIELD, ID

PROJECT NAME:

SHEET TITLE:

BASIC MECHANICAL REQUIREMENTS SPECIFICATION SECTION 15010

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SHEET MO.0



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Joseph Eixenberger
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Date: 2024.04.22 16:02:18 -0600

ITD FAIRFIELD MOBILE HOME UNITS
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SHEET MO.1

3.09 TESTING

A. PIPING:

1. ALL PLUMBING PIPING SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE UNIFORM PLUMBING CODE, LATEST EDITION. OTHER PIPING SYSTEMS SHALL BE TESTED TO 1.5 TIMES THE OPERATING PRESSURE, FOR A MINIMUM PERIOD OF TWO HOURS. IF THE TEST PRESSURES FALLS MORE THAN 5 PERCENT DURING THE TEST PERIOD, THE LEAK SHALL BE LOCATED, REPAIRED, AND THE TEST REPEATED.
2. TEST THERMOMETERS, PRESSURE GAGES, AND WATER METERS FOR ACCURATE INDICATION; AUTOMATIC WATER FEEDERS, AIR VENTS, TRAP PRIMERS, VACUUM BREAKERS, AND OTHER SPECIALTIES FOR PROPER PERFORMANCE.

B. SYSTEMS:

1. ALL SYSTEMS, INCLUDING HEATING, VENTILATING, AIR CONDITIONING, AND PLUMBING SYSTEMS, SHALL BE TESTED AT THE COMPLETION OF THE BUILDING TO ESTABLISH THE SYSTEMS OPERATE AS SPECIFIED AND REQUIRED. TESTING SHALL BE PERFORMED AFTER AIR AND WATER BALANCING IS COMPLETED.
2. ALL CONTROLS SHALL BE CALIBRATED ACCURATELY AND ALL EQUIPMENT SHALL BE ADJUSTED FOR SATISFACTORY OPERATION. EXCESSIVE VIBRATION OR NOISE FROM ANY SYSTEM SHALL BE CORRECTED.
3. THE AIR CONDITIONING SYSTEM SHALL BE TESTED FOR SATISFACTORY OPERATION WHEN THE OUTSIDE AIR TEMPERATURE REACHES 60 DEGREES F. OR WARMER. ALL OTHER SYSTEMS SHALL BE TESTED AT BUILDING COMPLETION.
4. ALL TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE ARCHITECT/ENGINEER OR HIS REPRESENTATIVE.

C. HANGERS AND SUPPORTS:

1. WITH SYSTEMS IN NORMAL OPERATION, TEST HANGERS, SUPPORTS AND RODS TO INSURE THEY ARE PLUMB AND SUPPORTING PROPER SHARE OF LOAD. ADDITIONALLY SUPPORT SYSTEMS AND EQUIPMENT THAT SWAY, CRAWL, OR VIBRATE.

D. OTHER MATERIALS AND EQUIPMENT:

1. TEST AS SPECIFIED; AS RECOMMENDED BY EQUIPMENT MANUFACTURER; AND AS OTHERWISE NECESSARY OR DIRECTED TO ASSURE THEY ARE COMPLETE, OPERABLE, AND READY FOR USE.

3.10 BALANCING

- A. PRIOR TO FINAL ACCEPTANCE BY THE OWNERS, ALL AIR SYSTEMS IN THE BUILDING SHALL BE BALANCED TO DELIVER THE QUANTITIES AS SPECIFIED OR DIRECTED. THE AIR BALANCE SHALL BE PERFORMED BY AN INDEPENDENT AGENCY SPECIALIZING IN BALANCING.

B. TEST PROCEDURES:

1. EXAMINE INSTALLED WORK AND CONDITIONS UNDER WHICH TESTING IS TO BE DONE TO ENSURE THAT WORK HAS BEEN COMPLETED, CLEANED, AND IS OPERABLE. DO NOT PROCEED WITH TESTING, ADJUSTING AND BALANCING (TAB) WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN MANNER ACCEPTABLE TO TESTER.
2. TEST, ADJUST AND BALANCE ENVIRONMENTAL SYSTEMS AND COMPONENTS, AS INDICATED, IN ACCORDANCE WITH PROCEDURES OUTLINED IN APPLICABLE STANDARDS.
3. TEST, ADJUST AND BALANCE SYSTEM DURING SUMMER SEASON FOR AIR CONDITIONING SYSTEMS AND DURING WINTER SEASON FOR HEATING SYSTEMS, INCLUDING AT LEAST PERIOD OF OPERATION AT OUTSIDE CONDITIONS WITHIN 5 DEGREES F WET BULB TEMPERATURE OF MAXIMUM SUMMER DESIGN CONDITION, AND WITHIN 10 DEGREES F DRY BULB TEMPERATURE OF MINIMUM WINTER DESIGN CONDITION. WHEN SEASONAL OPERATION DOES NOT PERMIT MEASURING FINAL TEMPERATURES, THEN TAKE FINAL TEMPERATURE READINGS WHEN SEASONAL OPERATION DOES PERMIT.
4. PREPARE REPORT OF TEST RESULTS, INCLUDING INSTRUMENTATION CALIBRATION REPORTS, IN FORMAT RECOMMENDED BY APPLICABLE STANDARDS.
5. PATCH HOLES IN INSULATION, DUCTWORK AND HOUSINGS, WHICH HAVE BEEN CUT OR DRILLED FOR TEST PURPOSES, IN MANNER RECOMMENDED BY ORIGINAL INSTALLER.
6. MARK EQUIPMENT SETTINGS, INCLUDING DAMPER CONTROL POSITIONS, VALVE INDICATORS, FAN SPEED CONTROL LEVERS, AND SIMILAR CONTROLS AND DEVICES, TO SHOW FINAL SETTINGS AT THE COMPLETION OF TAB WORK. PROVIDE MARKINGS WITH PAINT OR OTHER SUITABLE PERMANENT IDENTIFICATION MATERIALS.
7. RETEST, ADJUST, AND BALANCE SYSTEMS SUBSEQUENT TO SIGNIFICANT SYSTEM MODIFICATIONS, AND RESUBMIT TEST RESULTS.

3.11 SYSTEMS START UP

- A. STARTUP REQUIREMENTS APPLY TO CONTRACTOR AND OWNER SUPPLIED EQUIPMENT AND SYSTEMS.
- B. PRIOR TO FINAL ACCEPTANCE, AT TIME AGREED TO BY THE OWNER AND ENGINEER, PUT ALL SYSTEMS INTO SATISFACTORY OPERATION.
- C. AT FIRST HEATING OR COOLING SEASON FOLLOWING FINAL ACCEPTANCE, START UP SYSTEMS NOT STARTED DUE TO LACK OF SEASONAL DESIGN LOAD OR OPERATION OF THE CENTRAL SYSTEM.
- D. OPERATE ALL SYSTEMS IN GOOD WORKING ORDER FOR PERIOD OF FIVE (5) WORKING DAYS.
- E. PROVIDE SERVICES OF AUTHORIZED FACTORY SERVICE REPRESENTATIVE TO PERFORM START-UP AND OPERATION DEMONSTRATION SERVICES.
- F. PERFORM SERVICES IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN START-UP INSTRUCTIONS. TEST CONTROL AND DEMONSTRATE COMPLIANCE WITH REQUIREMENTS. REPLACE DAMAGED OR MALFUNCTIONING CONTROLS AND EQUIPMENT.
- G. MAINTENANCE AND OPERATION TRAINING:

1. AFTER THE MECHANICAL SYSTEM IS COMPLETELY INSTALLED AND OPERATIONAL, THE MECHANICAL CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO HOURS OF TRAINING AND INSTRUCTION TIME FOR THE BUILDING OWNER OR HIS REPRESENTATIVE. DURING THIS PERIOD, THE CONTRACTOR SHALL INSTRUCT THE OWNER IN THE OPERATION AND MAINTENANCE OF ALL PARTS OF THE MECHANICAL SYSTEM, USING THE O&M MANUAL WHERE APPLICABLE.

3.12 SPECIAL TOOLS

- A. FURNISH TO OWNER NOT LATER THAN WHEN OWNER TAKES POSSESSION OF EQUIPMENT.

- B. DEFINITION OF SPECIAL TOOLS: IDENTIFIED IN OR OTHERWISE IMPLIED BY, THE MANUFACTURER'S OPERATION AND MAINTENANCE MANUALS FOR THE FURNISHED EQUIPMENT, OR WHICH ARE OTHERWISE REQUIRED FOR THE OPERATION, WITH THE MANUFACTURER'S RECOMMENDED PROCEDURES FOR OPERATION, ADJUSTMENT AND MAINTENANCE. SPECIAL TOOLS DO NOT INCLUDE THOSE REQUIRED FOR MAJOR REPAIRS NORMALLY DONE BY FACTORY TRAINED OR OTHERWISE SPECIALIZED SERVICE PERSONNEL, NOR DO THEY INCLUDE THOSE NORMALLY FOUND IN THE POSSESSION OF OWNER'S ON SITE MAINTENANCE PERSONNEL.

3.13 RECORD DOCUMENTS AND OPERATING AND MAINTENANCE MANUALS

- A. THE CONTRACTOR SHALL PROVIDE TWO COPIES OF AN OPERATIONS AND MAINTENANCE MANUAL AT LEAST THIRTY DAYS PRIOR TO COMPLETION OF WORK. THE MANUAL SHALL BE OF THE THREE RING BINDER TYPE, ENTITLED, "OPERATION AND MAINTENANCE MANUAL," WITH THE JOB NAME AND YEAR OF COMPLETION ALSO INCLUDED. THE MANUAL SHALL INCLUDE, AS A MINIMUM:

1. LIST OF ALL EQUIPMENT WITH MANUFACTURER'S NAME, MODEL NUMBER, AND LOCAL REPRESENTATIVE, SERVICE FACILITIES AND NORMAL CHANNEL OF SUPPLY FOR EACH ITEM.
 2. SYSTEM DESCRIPTION: DESCRIPTION OF START UP AND OPERATING PROCEDURES.
 3. CONTROLS: DIAGRAMS AND DESCRIPTION OF OPERATION SEQUENCE OF EACH SYSTEM.
 4. EQUIPMENT: MANUFACTURER'S BROCHURES, RATINGS, CERTIFIED SHOP DRAWINGS, LUBRICATION CHARTS AND DATA, PARTS LISTS WITH PART NUMBERS, AND BELT AND SHEAVE DATA. MARK EACH SHEET WITH EQUIPMENT IDENTIFICATION NUMBER AND ACTUAL INSTALLED CONDITION.
 5. MATERIALS AND ACCESSORIES: MANUFACTURER'S BROCHURES, PARTS LISTS WITH PART NUMBERS AND LUBRICATION DATA WHERE APPLICABLE. MARK EACH SHEET WITH EQUIPMENT IDENTIFICATION NUMBER OR SYSTEM AND LOCATION OF INSTALLATION; AND TO SPECIFICALLY IDENTIFY WHICH OPTIONS ARE PROVIDED (IN CASE WHERE DATA SHEET SHOWS MULTIPLE OPTIONS).
 6. CERTIFICATE OF FACTORY TEST AND CODE COMPLIANCE AS SPECIFIED.
 7. AIR AND/OR WATER SYSTEM BALANCE REPORT AS HEREIN SPECIFIED.
 8. GUARANTEE LETTER AS HEREIN SPECIFIED.
 9. ANY ADDITIONAL INFORMATION REQUIRED TO ENABLE THE OWNER TO PROPERLY OPERATE AND MAINTAIN THE BUILDING MECHANICAL SYSTEM.
- B. PROVIDE TWO COMPLETE SETS OF BLUELINE AS-BUILT MECHANICAL DRAWINGS.

1. THE DRAWINGS SHALL INDICATE ALL DEPARTURES FROM THE CONTRACT DRAWINGS, AND SHALL LOCATE ALL UNDERGROUND UTILITY LINES WITH DIMENSIONS FROM ESTABLISHED BUILDING LINES. MAKE ALL NOTATIONS NEAT AND LEGIBLE, WITH RED INDELIBLE PENCIL. AT THE COMPLETION OF THE WORK, THESE AS-BUILT DRAWINGS SHALL BE SIGNED AND DATED BY THE MECHANICAL CONTRACTOR, AND RETURNED TO THE ARCHITECT/ENGINEER.

3.14 GUARANTEE

- A. ALL WORK FURNISHED UNDER THIS SECTION SHALL BE GUARANTEED IN WRITING TO BE FREE FROM DEFECTIVE WORK OR MATERIALS FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE CONTRACT. ALL REPAIRS OR REPLACEMENTS BECAUSE OF DEFECTIVE MATERIALS OR WORKMANSHIP OR NONCOMPLIANCE WITH CODE SHALL BE PROVIDED WITHOUT ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL FURNISH A LETTER INDICATING ABOVE GUARANTEE WITH SPACE FOR DATE OF ACCEPTANCE AND EXPIRATION OF GUARANTEE. LETTER SHALL BE INCLUDED IN O&M MANUAL.

END OF SECTION 15010

SECTION 15400: PLUMBING

PART 1 - GENERAL

1.01 SUMMARY

A. THIS SECTION COVERS THE WORK NECESSARY FOR THE PLUMBING SYSTEM, COMPLETE. THE MECHANICAL GENERAL PROVISIONS, SECTION 15010, ARE TO BE INCLUDED AS PART OF THIS SECTION OF THE SPECIFICATIONS.

1.02 QUALITY ASSURANCE

A. THE PLUMBING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE, ANSI STANDARDS, INTERNATIONAL MECHANICAL CODE, NFPA AND IBC, AS APPLICABLE.

PART 2 - PRODUCTS

2.01 GENERAL

A. PLUMBING FIXTURES AND EQUIPMENT SHALL BE AS LISTED ON THE DRAWINGS. IN ADDITION TO THOSE SPECIFICALLY LISTED, THE FOLLOWING MANUFACTURERS ARE APPROVED FOR BIDDING ONLY, WITH FINAL APPROVAL FOR INSTALLATION BASED ON SUBMITTAL DATA FURNISHED.

1. FIXTURES: AMERICAN STANDARD, KOHLER, ELJER, ELKAY, JUST, SUNROC, HALSEY-TAYLOR, OASIS, HAWS, CRANE, ACORN, BRADLEY.
2. SPECIALTIES: BELL & GOSSETT, CLA VAL CO., FEBCO SALES, HERSEY PRODUCTS, ITT, WATTS, J.R. SMITH
3. CARRIERS AND DRAINAGE PRODUCTS: J.R. SMITH, JOSAM, ZURN, AND WADE.
4. WATER HEATERS: BRADFORD-WHITE, RHEEM, AO SMITH, STATE AND AMERICAN.
5. INSULATION: ARMSTRONG WORLD INDUSTRIES, CERTAINTEED, KNAUF FIBER GLASS, MANVILLE PRODUCTS, OWENS-CORNING FIBERGLASS, PITTSBURGH CORNING
6. NATURAL GAS PRODUCTS: DEZURIK CORP, JENKINS BROS, LUKENHEIMER CO, NIBCO, POWELL (THE WM.) CO, ROCKWELL INTERNATIONAL, STOCKHAM VALVES AND FITTINGS, WALWORTH
7. ALL OTHER MANUFACTURERS REQUIRE PRIOR APPROVAL.

2.02 FIXTURE AND PIPING STANDARDS

- A. PLUMBING FIXTURES: ANSI A112, ARI 1010, Z358.1 ANSI/ASSE 1011, 1013, 1019, PDI WH-201
- B. PIPING: ASTM D2321, D1527, D2468, D2661, D2235, D2665, D3311, D2564

2.03 PLUMBING FIXTURES AND TRIM

A. ALL PLUMBING FIXTURES SHALL BE PROVIDED COMPLETE WITH ALL REQUIRED TRIM FOR A COMPLETE AND OPERATIONAL SYSTEM. ALL EXPOSED TRIM SHALL BE CHROME PLATED. ALL PIPING PENETRATIONS THROUGH FINISHED WALL SHALL BE PROVIDED WITH CHROME ESCUTCHEONS. ALL PLUMBING FIXTURES SHALL BE CAULKED AND SEALED TO SURROUNDING SURFACES.

2.04 PIPING AND FITTINGS:

- A. GENERAL:
1. UNDERGROUND SANITARY SEWER AND STORM DRAIN LINES SHALL BE INSTALLED AT 1/4-INCH PER FOOT SLOPE, UNLESS OTHERWISE INDICATED. IF SUCH SLOPE IS NOT POSSIBLE DUE TO EXISTING INVERTS, APPROVAL SHALL BE OBTAINED FROM THE ARCHITECT/ENGINEER AND THE AUTHORITY HAVING JURISDICTION BEFORE ANY PIPING IS INSTALLED AT A LESSER SLOPE.
 2. CONNECTIONS BETWEEN PIPING OF DISSIMILAR MATERIALS SHALL BE MADE WITH DIELECTRIC UNIONS.
 3. PROVIDE STANDARD MANUFACTURED WATER HAMMER ARRESTERS AT ALL FLUSH VALVES. SIZE AND LOCATE PER MANUFACTURERS RECOMMENDATIONS. PROVIDE ACCESS PANELS FOR ACCESS TO ALL WATER HAMMER ARRESTERS.
- B. DOMESTIC HOT AND COLD WATER:
1. PIPING INSIDE BUILDING ABOVE SLAB OR ABOVE GRADE IN CRAWL SPACE SHALL BE ASTM B88, TYPE "L," HARD DRAWN COPPER. FITTINGS SHALL BE ANSI/ASME B16.23 CAST BRASS, OR ANSI/ASME B16.29 WROUGHT COPPER. JOINTS SHALL BE ANSI/ASTM B32 SOLDER, GRADE 95-5, LEAD FREE.
 2. PIPING UNDERGROUND WITHIN 5 FEET OF THE BUILDING LINE OR BELOW FLOOR SLAB, SMALLER THAN 4 INCHES, SHALL BE ASTM B88, TYPE "K," HARD DRAWN OR SOFT ANNEALED COPPER. FITTINGS SHALL BE ANSI/ASME B16.29 WROUGHT COPPER. JOINTS SHALL BE ANSI/ASTM B32 SOLDER, GRADE 95-5, LEAD FREE. NO JOINTS SHALL BE INSTALLED BENEATH CONCRETE FLOOR SLABS.
- C. SANITARY SEWER AND VENT:
1. PIPING AND FITTINGS SHALL BE ABS, ASTM D2680 OR D2751 WITH ABS FITTINGS. JOINTS SHALL BE ASTM D2235, SOLVENT WELDED AS PER SOLVENT MANUFACTURER'S INSTRUCTIONS. ALL MAIN SEWER RISERS (1 STORY OR MORE), SHALL BE CAST IRON CISPI 301, HUBLESS, SERVICE WEIGHT, FOR PREVENTION OF NOISE TRANSMISSION. ALL

PIPING PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, OR CEILINGS SHALL BE CAST IRON OR STEEL, AND SHALL BE FIRE SEALED PER LOCAL BUILDING INSPECTORS REQUIREMENTS. ALL PIPING LOCATED ABOVE CEILINGS IN AREAS USED AS RETURN AIR PLENUMS SHALL BE CAST IRON OR STEEL.

D. HANGERS AND SUPPORTS:

1. PIPE HANGERS SHALL BE PROVIDED TO ADEQUATELY SUPPORT ALL PIPING SYSTEMS. HANGERS SHALL BE VERTICALLY ADJUSTABLE TO PROVIDE FOR PROPER PITCH AND DRAINAGE. HANGERS SHALL ALLOW FOR EXPANSION AND CONTRACTION OF THE PIPING SYSTEMS.
2. HANGERS FOR PIPE SIZES 1/2 TO 4 INCHES SHALL BE ADJUSTABLE CLEVIS TYPE.
3. HANGERS FOR COLD PIPE, SIZES 6 INCHES AND OVER, SHALL BE ADJUSTABLE CLEVIS TYPE.
4. HANGERS FOR HOT PIPE 6" AND OVER, SHALL BE ADJUSTABLE STEEL YOKE, CAST IRON ROLL, DOUBLE HANGER TYPE.
5. VERTICAL PIPES SHALL BE SUPPORTED WITH STEEL RISERS CLAMPS.
6. ALL INSULATED PIPING SHALL BE PROVIDED WITH MINIMUM 18 GAUGE GALVANIZED INSULATION SHIELDS, 12 INCHES LONG, AND OVERSIZED HANGERS.
7. HANGER ROD SIZING AND SPACING FOR PIPE SHALL BE AS FOLLOWS:
 - A. PIPE SIZE TO 1-1/4", 3/8" ROD DIAMETER, 6-1/2 FOOT MAX SPACING
 - B. PIPE SIZE TO 2", 3/8" ROD DIAMETER, 10 FOOT MAX SPACING
 - C. PIPE SIZE TO 3", 1/2" ROD DIAMETER, 10 FOOT MAX SPACING
 - D. PIPE SIZE TO 6", 5/8" ROD DIAMETER, 10 FOOT MAX SPACING
 - E. PIPE SIZE TO 12", 7/8" ROD DIAMETER, 14 FOOT MAX SPACING
 - F. PVC/ABS (ALL SIZES), 3/8" ROD DIAMETER, 6 FOOT MAX SPACING
 - G. CAST IRON NO-HUB, 5/8" ROD DIAMETER, 6 FOOT MAX SPACING AND AT JOINTS
8. PROVIDE HANGERS WITHIN 12 INCHES OF EACH HORIZONTAL ELBOW.
9. PROVIDE HANGERS WITH MINIMUM 1-1/2 INCHES VERTICAL ADJUSTMENT.

2.05 INSULATION:

- A. GENERAL:
1. ALL INSULATION SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS, AS TESTED BY ASTM E84, NFPA 255, AND UL 723, NOT EXCEEDING
 - A. FLAME SPREAD: 25
 - B. SMOKE DEVELOPED: 50
- A. PIPING:
1. INSULATION SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
 2. INSULATION SHALL BE CONTINUOUS THROUGH PENETRATIONS.
 3. ALL INSULATION SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
 4. ENTIRE LENGTH OF HOT WATER PIPING SHALL BE INSULATED. COLD WATER PIPING WITHIN EIGHT FEET OF WATER HEATER SHALL BE INSULATED.

2.06 VALVES AND STRAINERS:

- A. BALL VALVES:
1. VALVES 2 INCHES AND SMALLER SHALL BE BRONZE BODY, STAINLESS STEEL BALL, TEFLON SEATS, AND LEVER HANDLE. VALVES OVER 2 INCHES SHALL BE CAST STEEL BODY, CHROME PLATED STEEL BALL, TEFLON SEATS, AND LEVER HANDLE.
- B. CHECK VALVES:
1. VALVES 2 INCHES AND SMALLER SHALL BE BRONZE Y-PATTERN, SWING CHECK, BRONZE DISC, 200 PSI WOG. VALVES OVER 2 INCHES SHALL BE IRON BODY, BRONZE TRIM, SWING CHECK, RENEWABLE DISC AND SEAT.
- C. STRAINERS:
1. STRAINERS 3 INCHES AND SMALLER SHALL BE IRON BODY, Y-PATTERN, 20-MESH MONEL SCREEN.

PART 3 - EXECUTION

3.01 WORKMANSHIP

- A. GENERAL:
1. INSTALL ALL PIPING, FIXTURES, EQUIPMENT, AND ACCESSORIES AS SHOWN, AND IN STRICT ACCORDANCE WITH THE PLUMBING LAWS, RULES, AND REGULATIONS OF THE STATE AND/OR CITY. ALL WORK SHALL BE DONE IN A NEAT AND ORDERLY FASHION, AND LEFT IN A CONDITION SATISFACTORY TO THE ARCHITECT/ENGINEER.

B. PIPING:

1. ALL PIPING SHALL BE RUN PARALLEL OR PERPENDICULAR TO ESTABLISHED BUILDING LINES. INSTALL PIPING SO AS TO ALLOW FOR EXPANSION. WASTE AND VENT PIPING OCCURRING ABOVE FLOOR SLAB SHALL BE INSTALLED TRUE AND PLUMB. EXTEND VENTS AT LEAST 1 FOOT ABOVE ROOF AND PROVIDE WATERTIGHT FLASHING SLEEVES. EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH SECTION 15010 OF THESE SPECIFICATIONS.
- C. FIXTURES:
- a. INSTALL FIXTURES TRUE AND PLUMB WITH BUILDING WALLS. CAULK ALL PLUMBING FIXTURES AT JOINTS ALONG WALL, COUNTERTOPS, AND OTHER INTERSECTING SURFACE.
 - b. LOCATE FIXTURES AS SHOWN AND PER MANUFACTURER'S INSTRUCTIONS.
 - c. FURNISH ALL REQUIRED TRIM FOR FIXTURES TO PROVIDE A COMPLETE AND WORKABLE INSTALLATION.

3.02 TESTS

A. GENERAL:

1. ALL PIPING, FIXTURES, AND EQUIPMENT SHALL BE INSPECTED AND APPROVED BEFORE CONCEALING OR COVERING. ALL WORK SHALL BE TESTED AS REQUIRED BY SECTION 15010 OF THESE SPECIFICATIONS, AND SHALL BE LEAK PROOF BEFORE INSPECTION IS REQUESTED. ALL TESTS SHALL BE REPEATED IF REQUIRED BY THOSE MAKING THE INSPECTION.
 2. ALL POTABLE WATER SYSTEMS SHALL BE FLUSHED AND DISINFECTED IN ACCORDANCE WITH SECTION 15010 OF THESE SPECIFICATIONS. FOLLOWING DISINFECTION, SYSTEM SHALL BE FLUSHED AND WATER SAMPLED TO SHOW COMPLIANCE WITH REQUIREMENTS OF PUBLIC HEALTH AUTHORITY HAVING JURISDICTION. IF TESTED WATER DOES NOT MEET REQUIREMENT, DISINFECTING SHALL BE REPEATED UNTIL WATER QUALITY MEETS REQUIREMENTS.
- A. FIXTURES AND EQUIPMENT:
- a. FILL ALL PLUMBING FIXTURES WITH WATER AND CHECK FOR LEAKS OR RETARDED FLOW. REPAIR AS REQUIRED. ADJUST EACH PIECE OF PLUMBING EQUIPMENT AS REQUIRED TO INSURE PROPER FUNCTION. LEAVE ALL FIXTURES AND EQUIPMENT IN FIRST CLASS OPERATING CONDITION.

END OF SECTION 15400



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 Date: 2024.04.22 16:04:49 -0800

ITD FAIRFIELD MOBILE HOME UNITS
 FAIRFIELD, ID

PROJECT NAME:

SHEET TITLE:

PLUMBING SPECIFICATIONS SECTION 15400

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS or SPECIFICATIONS

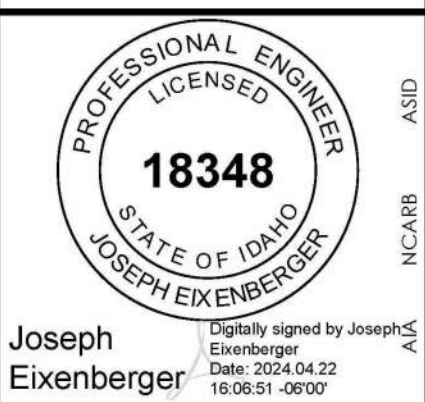
REVISION DATE

CLIENT PROJ. NUMBER: ITD24-0323

ARCH. JOB NUMBER: 24626

SHEET ISSUED DATE: APRIL 2024

SHEET **M0.2**



Joseph Eixenberger
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Date: 2024.04.22 16:08:51 -0600

ITD FAIRFIELD MOBILE HOME UNITS
FAIRFIELD, ID

PROJECT NAME:

SHEET TITLE:

GENERAL NOTES AND LEGEND

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SHEET M1.0

ABBREVIATIONS

@	AT	CX	CONNECT TO EXISTING	IE	INVERT ELEVATION	PRV	PRESSURE REDUCING VALVE
Ø	DIAMETER/PHASE	DBL	DOUBLE	IGV	INLET GUIDE VANE(S)	PVC	POLYVINYL CHLORIDE
</L	ANGLE	DEPT	DEPARTMENT	IMC	INTERNATIONAL MECHANICAL CODE	PW	POTABLE WATER
#	NUMBER/POUND	DET	DETAIL	IND	INDIRECT	RA	RETURN AIR
°	DEGREE(D) DEPTH	DIM	DIMENSION	IN	INCH	RAD	RADIUS
(E)	EXISTING	DISCH	DISCHARGE	IND	INDIRECT	RD	ROOF DRAIN
(F)	FUTURE	DN	DOWN	INSUL	INSULATION	RDL	ROOF DRAIN LEADER
(L)	LENGTH	DS	DOWNSPOUT	INT	INTERIOR	RE:	REFERENCE
(N)	NEW	DSP	DRY STANDPIPE	IPC	INTERNATIONAL PLUMBING CODE	REFL	REFLECTED
(W)	WIDTH	DWG	DRAWING	IA	INSTRUMENT AIR	REL	RELOCATE
ABS	ACRYLONITRILE BUTADIENE STYRENE	DCBP	DOUBLE CHECK BACKFLOW PREVENTOR	J-BOX	JUNCTION BOX	REM	REMOVE
ABV	ABOVE	DSN	DOWNSPOUT NOZZLE	JST	JOIST	REINF	REINFORCE
ADA	AMERICAN DISABILITIES ACT	E	EAST	KW	KILOWATT	RQD	REQUIRED
ADJ	ADJUSTABLE	EA	EACH	KWH	KILOWATT HOUR	RPM	REVOLUTIONS PER MINUTE
AFC	BOVE FINISHED CEILING	EAT	ENTERING AIR TEMPERATURE	L	LINED	RTU	ROOFTOP UNIT
AFF	ABOVE FINISH FLOOR	EAF	EXHAUST FAN	LAV	LAVATORY	R	RISER
AFG	ABOVE FINISH GRADE	EFF	EFFICIENCY	LBS	POUNDS	REFG	REFRIGERATION/REFRIGERANT
AFS	ABOVE FINISH SLAB	EG	EXHAUST GRILLE	LF	LINEAL FEET/FOOT	REQD	REQUIRED
ALT	ALTERNATE	ELECT	ELECTRICAL	LPG	LIQUEFIED PETROLEUM GAS	RFLD	REFLECTED
AL	ALUMINUM	ELEV	ELEVATION	LRA	LOCKED ROTOR AMP	RIO	ROUGH IN ONLY
ANOD	ANODIZED	EMERG	EMERGENCY	L/S	LITERS PER SECOND	RO	REVERSE OSMOSIS
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	ENCL	ENCLOSED/ENCLOSURE	LWT	LEAVING WATER TEMPERATURE	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
APPROX	APPROXIMATE	ENT	ENTERING	LPC	LOW PRESSURE CONDENSATE	RPM	REVOLUTIONS PER MINUTE
ARCH	ARCHITECTURAL	EQ	EQUAL	LPS	LOW PRESSURE STEAM	S	METER
AUTO	AUTOMATIC	EQUIP	EQUIPMENT	MAT	MATERIAL	SCHED	SCHEDULE
AUX	AUXILIARY	ESP	EXTERNAL STATIC PRESSURE	MAX	MAXIMUM	SECT	SECTION
BDD	BACK DRAFT DAMPER	EWC	ELECTRIC WATER COOLER	MECH	MECHANICAL	SER	SERIES
BFF	BELOW FINISH FLOOR	EWT	ENTERING WATER TEMPERATURE	MEZZ	MEZZANINE	SF	SQUARE FOOT
BFS	BELOW FINISH SLAB	EXH	EXHAUST	MFG	MANUFACTURER	SIM	SIMILAR
BG	ELOW GRADE	EXIST	EXISTING	MIN	MINIMUM	SOV	SHUT OFF VALVE
BHP	BRAKE HORSEPOWER	EXP	EXPANSION	MISC	MISCELLANEOUS	SPEC	SPECIFICATION
BI	BACKWARD INCLINED	EXT	EXTERIOR	MM	MILLIMETER	SQ	SQUARE
BLDG	BUILDING	F	FIRE SERVICE	MO	MOTOR OPERATED	SS	SANITARY SEWER
BOD	BOTTOM OF DUCT	FA	FIRE ALARM	MOC	MAX OVERLOAD CURRENT PROTECTION	SST	STAINLESS STEEL
BOS	BOTTOM OF STEEL	FCO	FLOOR CLEANOUT	MTD	MOUNTED	STD	STANDARD
BRD	BOARD	FD	FLOOR DRAIN	MTG	MOUNTING	STL	STEEL
BRG	BEARING	FDC	FIRE DEPARTMENT CONNECTION	MTL	METAL	STRUCT	STRUCTURAL
BTU	BRITISH THERMAL UNIT	FH	FIRE HYDRANT	MC	MECHANICAL CONTRACTOR	SUSP	SUSPENDED
BOP	BOTTOM OF PIPE	FIN	FINISH	MHT	MALE HOSE THREAD	SYS	SYSTEM
BOT	BOTTOM	FINS/IN	FINS PER INCH	MPC	MEDIUM PRESSURE CONDENSATE	SHT	SHEET
CA	COMBUSTION AIR	FLA	FULL LOAD AMPS	MPS	MEDIUM PRESSURE STEAM	TOS	TOP OF STEEL
CAP	CAPACITY	FLASH	FLASHING	MSG	MANUFACTURED STANDARD GAUGE	TYP	TYPICAL
CB	CATCH BASIN	FLR	FLOOR(ING)	N	NORTH	TPW	TEMPERED POTABLE WATER
CD	CONDENSATE DRAIN	FOB	FLAT ON BOTTOM	N/A	NOT APPLICABLE	TWR	TEMPERED WATER RETURN
CF	CUBIC FEET	FOT	FLAT ON TOP	NC	NORMALLY CLOSED	TWS	TEMPERED WATER SUPPLY
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	FPM	FEET PER MINUTE	NEC	NATIONAL ELECTRIC CODE	UBC	UNIFORM BUILDING CODE
CFF	CAP FOR FUTURE	FRPF	FIREPROOF	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	UFC	UNIFORM FIRE CODE
CFM	CUBIC FEET PER MINUTE	FT	FEET/FOOT	NG	NATURAL GAS	UL	UNDERWRITERS LABORATORY
CI	CAST IRON	FURR	FURRING	NIC	NOT IN CONTRACT	UNFIN	UNFINISHED
CL	CENTER LINE	FS	FLOOR SINK	NO	NORMALLY OPEN	UNO	UNLESS NOTED OTHERWISE
CLG	CEILING	FUT	FUTURE	NOM	NOMINAL	UPC	UNIFORM PLUMBING CODE
CLR	CLEAR	GA	GAUGE OR GAGE	NTS	NOT TO SCALE	U	URINAL
CNT	CENTER	GALV	GALVANIZED	NUM	NUMBER	UG	UNDERGROUND
CO	CLEAN OUT	GC	GENERAL CONTRACTOR	NPW	NON-POTABLE WATER	V	VOLT
COL	COLUMN	GND	GROUND	OB	OPPOSED BLADE DAMPER	VAC	VACUUM
CONC	CONCRETE	GCO	GRADE CLEANOUT	OC	ON CENTER	VAV	VARIABLE AIR VOLUME
COND	CONDENSATE	GPM	GALLONS PER MINUTE	OD	OUTSIDE DIAMETER	VD	VOLUME DAMPER
CONN	CONNECTION	GW	GREASE WASTE	OD	OUTSIDE DIAMETER	VEL	VELOCITY
CONST	CONSTRUCTION	HCP	HANDICAP	OFCI	OWNER FURNISHED CONTRACTOR	VERT	VERTICAL
CONT	CONTINUOUS/CONTINUATION	HD	HEAD	OH	OVERHEAD	VFD	VARIABLE FREQUENCY DRIVE
CONTR	CONTRACTOR	HDWR	HARDWARE	OZ	OUNCE	VOL	VOLUME
CTC	CENTER TO CENTER	HORIZ	HORIZONTAL	ODL	OVERFLOW DRAIN LEADER	VTR	VENT THRU ROOF
CV	VALVE COEFFICIENT	HR	HOUR	OH	OVERHEAD	VA	VALVE
CDA	CLEAN DRY AIR	HT	HEIGHT	OS&Y	OUTSIDE STEM & YOKE	VIF	VERIFY IN FIELD
CFF	CAP FOR FUTURE	H2O	WATER	P	PRESSURE	VRV	VACUUM RELIEF VALVE
CHR	CHILLED WATER RETURN	HB	HOSE BIB	PH	PHASE(S)	VTR	VENT THRU ROOF
CHS	CHILLED WATER SUPPLY	HGR	HOT GLYCOL RETURN	PLBG	PLUMBING	W	WEST
CLK	CAULK(ING)	HGS	HOT GLYCOL SUPPLY	POC	POINT OF CONNECTION	W	WITH
CLR	CLEAR	HPC	HIGH PRESSURE CONDENSATE	PSF	POUNDS PER SQUARE FOOT	WO	WITHOUT
COTG	CLEANOUT TO GRADE	HORIZ	HORIZONTAL	PSI	POUNDS PER SQUARE INCH	WC	WATER CLOSET
CW	DOMESTIC COLD WATER	HW	POTABLE HOT WATER SUPPLY	PVC	POLYVINYL CHLORIDE	WP	WATERPROOF
CW/	COORDINATE WITH	HWC	DOMESTIC HOT WATER RECIRC	P/T	PRESSURE/TEMPERATURE	WPD	WATER PRESSURE DROP
CWFR	CHEMICAL WATER FEED RETURN	HWR	HEATING WATER RETURN	PHWR	POTABLE HOT WATER RETURN	WT	WEIGHT
CWFS	CHEMICAL WATER FEED SUPPLY	HWS	HEATING WATER SUPPLY	PHWS	POTABLE HOT WATER RETURN	W	WEST/WASTE
CWR	CONDENSER WATER RETURN	IBC	INTERNATIONAL BUILDING CODE	PIV	POST INDICATOR VALVE	WCO	WALL CLEANOUT
CWS	CONDENSER WATER SUPPLY	ID	INSIDE DIAMETER			WH	WATERHEATER
		IDW	INDIRECT WASTE				

NOTE: ALL ABBREVIATIONS LISTED ABOVE MAY NOT APPEAR ON THESE DOCUMENTS.

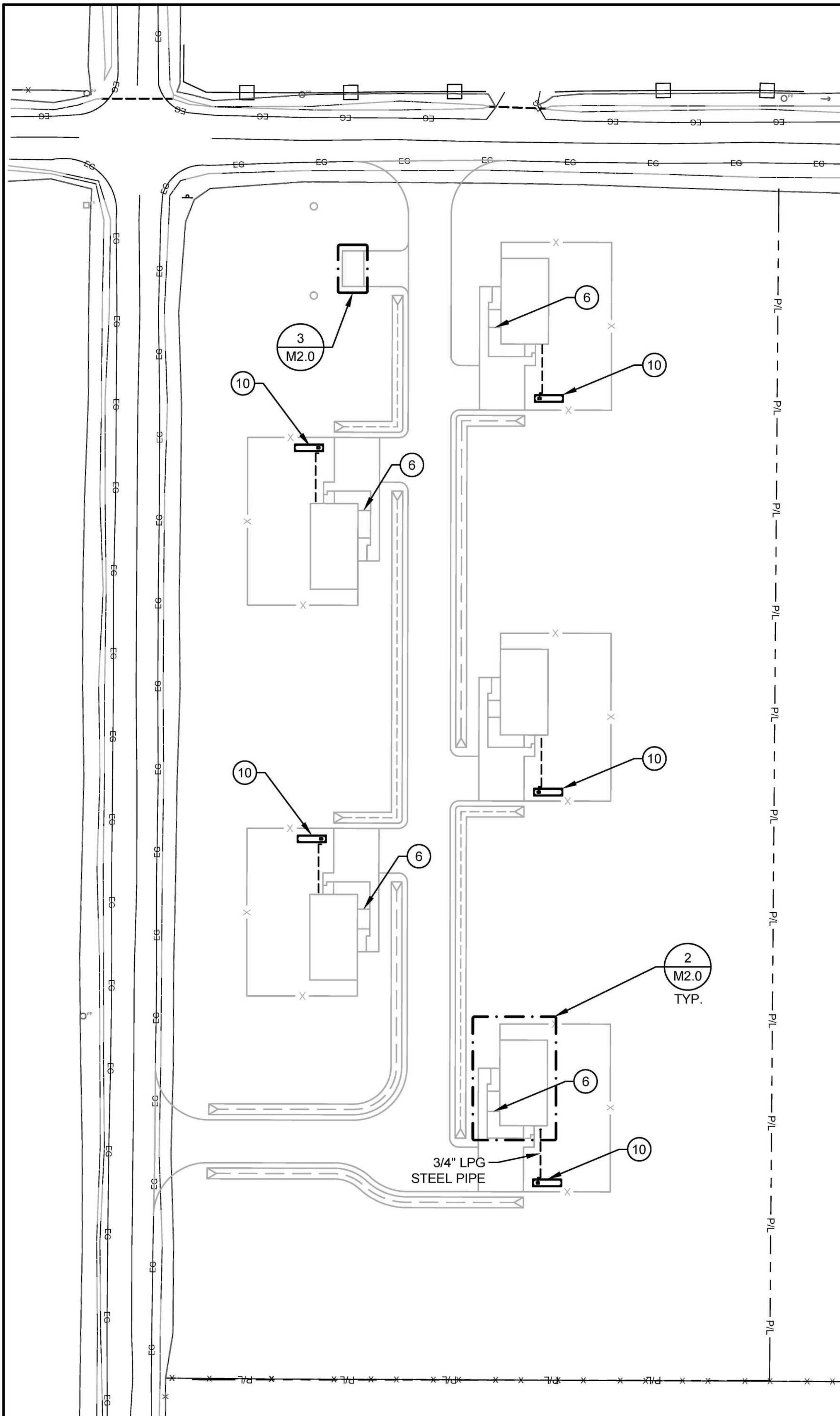
PLUMBING AND PIPING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	COMPRESSED AIR		WATER HAMMER ARRESTOR
	CONDENSATE DRAIN		NON POTABLE WATER
	CLEAN DRY AIR		OVERFLOW DRAIN LEADER
	CARBON DIOXIDE		POTABLE HOT WATER RETURN
	CONDENSER WATER RETURN		POTABLE HOT WATER SUPPLY
	CONDENSER WATER SUPPLY		POTABLE WATER
	CHILLED WATER RETURN		ROOF DRAIN LEADER
	CHILLED WATER SUPPLY		STORM DRAIN
	DOMESTIC COLD WATER		SANITARY SEWER
	DEMO ITEMS		TEMPERED POTABLE WATER
	GREASE WASTE		TEMPERED WATER RETURN
	HELIUM		TEMPERED WATER SUPPLY
	HOT GLYCOL RETURN		VENT
	HOT GLYCOL SUPPLY		THERMOMETER
	HIGH PRESSURE CONDENSATE		CIRCUIT SETTER
	HIGH PRESSURE STEAM		PRESSURE GAUGE
	DOMESTIC HOT WATER		HOSE BIBB
	DOMESTIC HOT WATER RECIRCULATION		IN-LINE PUMP
	HEATING WATER RETURN		IN-LINE PUMP
	HEATING WATER SUPPLY		QUICK DISCONNECT
	INSTRUMENT AIR		BREAK LINE
	INDIRECT WASTE		STEAM VALVE
	LIQUEFIED PETROLEUM GAS		BUTTERFLY VALVE
	LOW PRESSURE CONDENSATE		BALANCE VALVE
	LOW PRESSURE STEAM		DIAPHRAGM VALVE
	MEDICAL AIR		DOWNSPOUT NOZZLE
	MEDIUM PRESSURE CONDENSATE		FLOOR DRAIN ROUND OR SQUARE
	MEDIUM PRESSURE STEAM		FLOW METER
	MEDICAL VACUUM		FLOW SWITCH
	NITROGEN		FLOOR SINK
	NITROUS OXIDE		FLOW VALVE
	NATURAL GAS		GAS METER
	DIRECTION OF FLOW		GLOBE VALVE
	REDUCER		INLINE TEMPERATURE GAUGE
	PIPE DROP		PLUG VALVE
	PIPE DROP		OUTSIDE STEM AND YOKE
	PIPE RISE		RECIRC PUMP
	PIPE RISE		EXPANSION TANK
	VENT THRU ROOF		ROOF DRAIN
	WALL CLEAN-OUT		OVERFLOW DRAIN
	END OF LINE CLEAN-OUT		VERTICAL VALVE
	FLOOR CLEAN-OUT		VACUUM RELIEF VALVE
	GRADE CLEAN-OUT		AGA RATED GAS VALVE
	PIPE CAP		THREE WAY CONTROL VALVE
	CHECK VALVE		FLEXIBLE PUMP CONNECTOR
	DOUBLE CHECK ASSEMBLY		UNION
	REDUCED PRESSURE BACK FLOW ASSY.		SOLENOID VALVE
	CONTROL VALVE		STRAINER
	PRESSURE REDUCING VALVE		PRESSURE RELIEF VALVE
	PRESSURE REGULATOR		
	BALL VALVE (NORMALLY CLOSED)		
	BALL VALVE (NORMALLY OPEN)		
	GATE VALVE		
	AGA RATED GAS VALVE		
	THREE WAY CONTROL VALVE		
	FLEXIBLE PUMP CONNECTOR		
	UNION		
	SOLENOID VALVE		
	STRAINER		
	PRESSURE RELIEF VALVE		

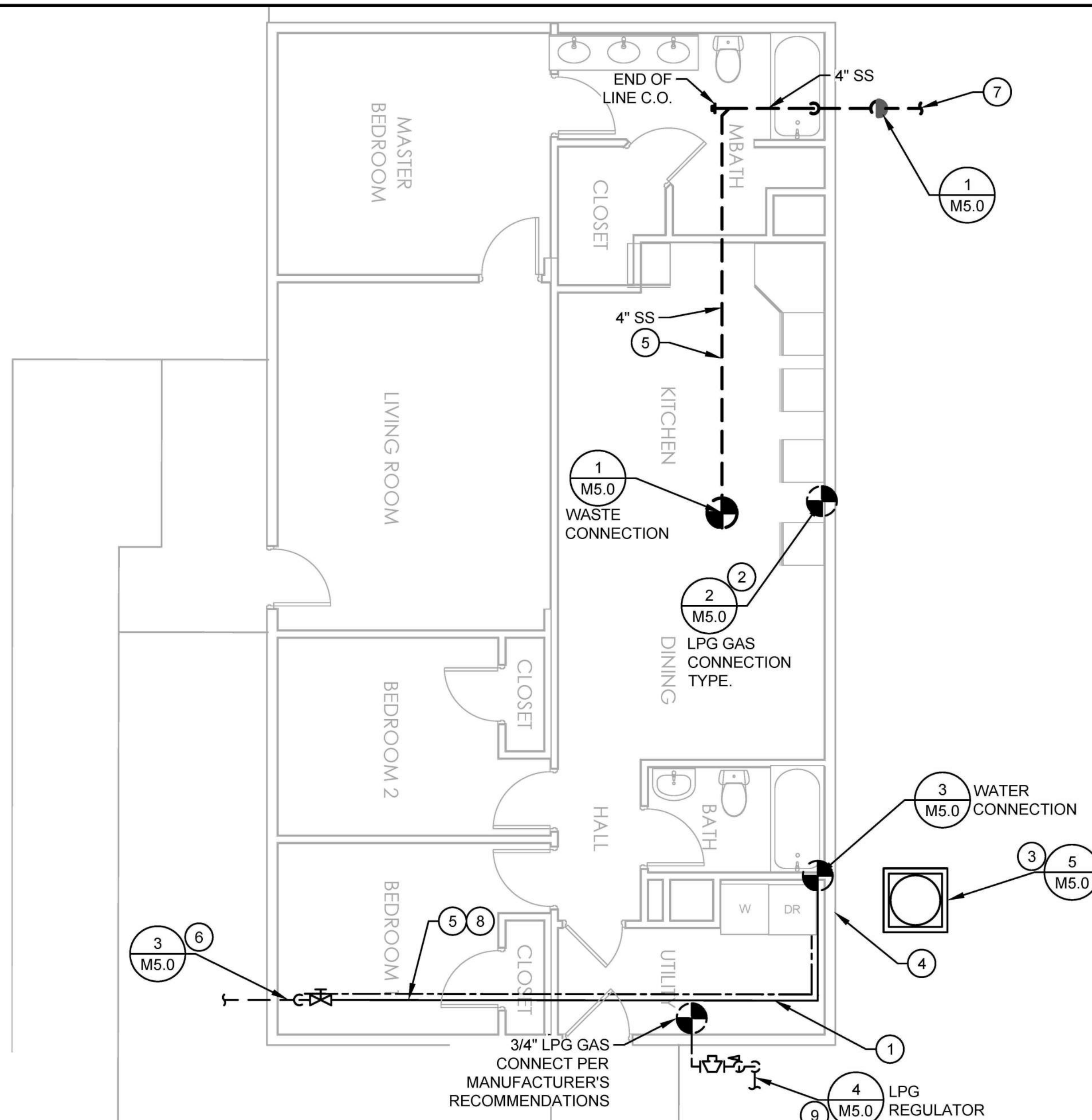
NOTE: ALL ABBREVIATIONS LISTED ABOVE MAY NOT APPEAR ON THESE DOCUMENTS.

KEYNOTES: #

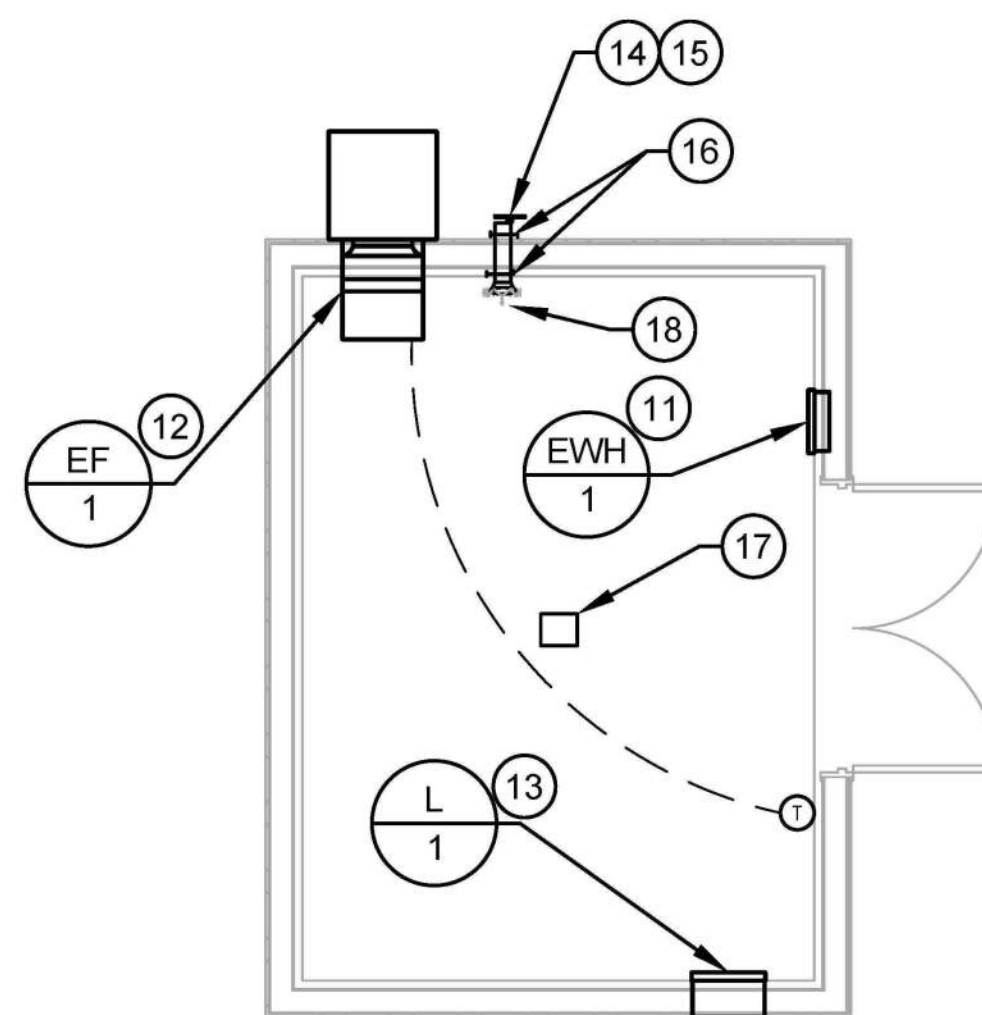
- ALL PLUMBING FIXTURES ARE PLUMBED WITHIN THE BUILDING AND DROPS ARE PROVIDED TO CONNECT PER MANUFACTURED HOME INSTALLATION MANUAL.
- ALL LPG APPLIANCES ARE INSTALLED AND PLUMBED WITHIN MANUFACTURED HOME. CONTRACTOR TO CONNECT TO QUICK DISCONNECTS PER MANUFACTURED HOME INSTALLATION INSTRUCTIONS.
- CONDENSING UNIT INSTALL ON 3'x3' CONCRETE PAD. ROUTE REFRIGERATION UNITS UNDER UNIT TO FAN COIL UNIT IN BUILDING PER MANUFACTURER'S REQUIREMENTS.
- EXTEND CONDENSATION OUT THE BUILDING AND TERMINATE AT AN APPROVED LOCATION PER MANUFACTURED HOME INSTALLATION MANUAL.
- SUPPORT CW/LPG/WASTE LINES UNDER JOIST OF MOBILE HOME TIGHT TO INSULATION.
- CONNECT TO WATER LINE. SEE CIVIL SHEETS FOR CONNECTION LOCATION.
- CONNECT TO SANITARY SEWER. SEE CIVIL PLAN FOR CONNECTION TO SEPTIC SYSTEM.
- INSULATE 1" CW LINE W/ 1-1/2" NEOPRENE INSULATION AND WRAP WITH SELF REGULATING HEAT TAPE.
- INSTALL LPG GAS REGULATOR EXTERIOR TO FOUNDATION AND ROUTE LINE TO LPG TANK AS REQUIRED.
- 1000 GAL LPG TANK INSTALLED ON 4'x16" PAD. MAINTAIN 25' CLEARANCE BETWEEN TANK AND BUILDING.
- EW-1, MARLEY CWH3180, 120V/1PH/1800W, 15A.
- EF-1, COOK 14XWH26D17, 1300 CFM, 293 SP, 1725 RPM, 1/4 HP, 115/1/60, FLA 5.8, SONE 21, PROVIDE W/ BACKDRAFT DAMPER, WEATHER HOOD, WALL COLLAR TEMP RISE STAT.
- L-1, RUSKIN L375D, 24"H x 18"L W/ MOTORIZED DAMPER, INTERLOCK W/ EXHAUST FAN.
- JOSAM 67720 BACK WATER VALVE SWING-CHECK TERMINAL HUB CONNECTION (TYP.).
- INSTALL WALL ESCUTCHEONS.
- RPBP BY OTHERS. COORDINATE LOCATION OF FUNNEL AND DISCHARGE PIPING WITH RPBP.
- JOSAM FD-212ACP-SQUARE FEET FLOOR DRAIN COORDINATE WITH CIVIL FOR TERMINATION AND PIPE ROUTING
- COORDINATE W/CIVIL FOR LOCATION OF RPBP.



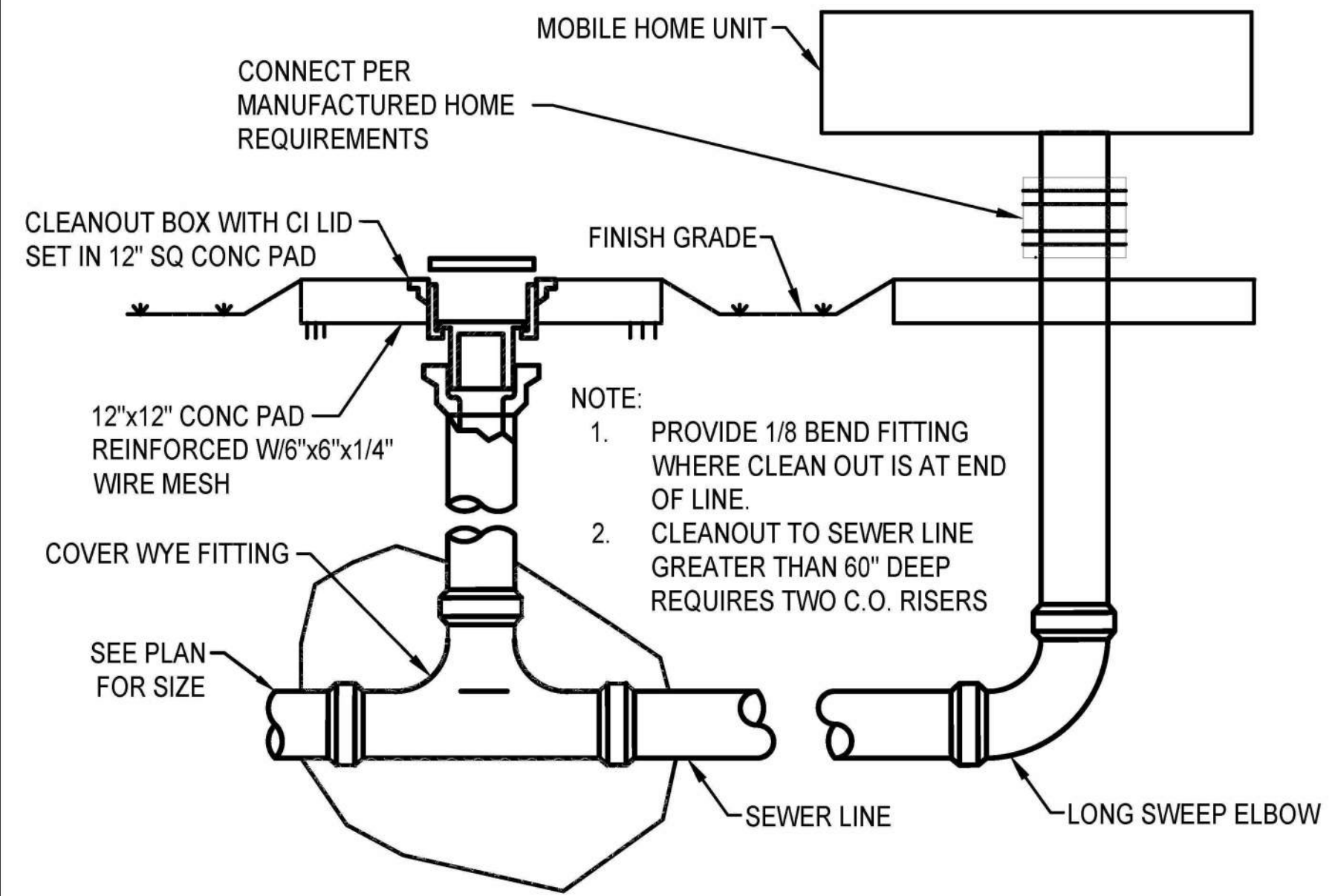
1 PLUMBING & HVAC SITE PLAN
 M2.0 SCALE: 1/64" = 1'-0"



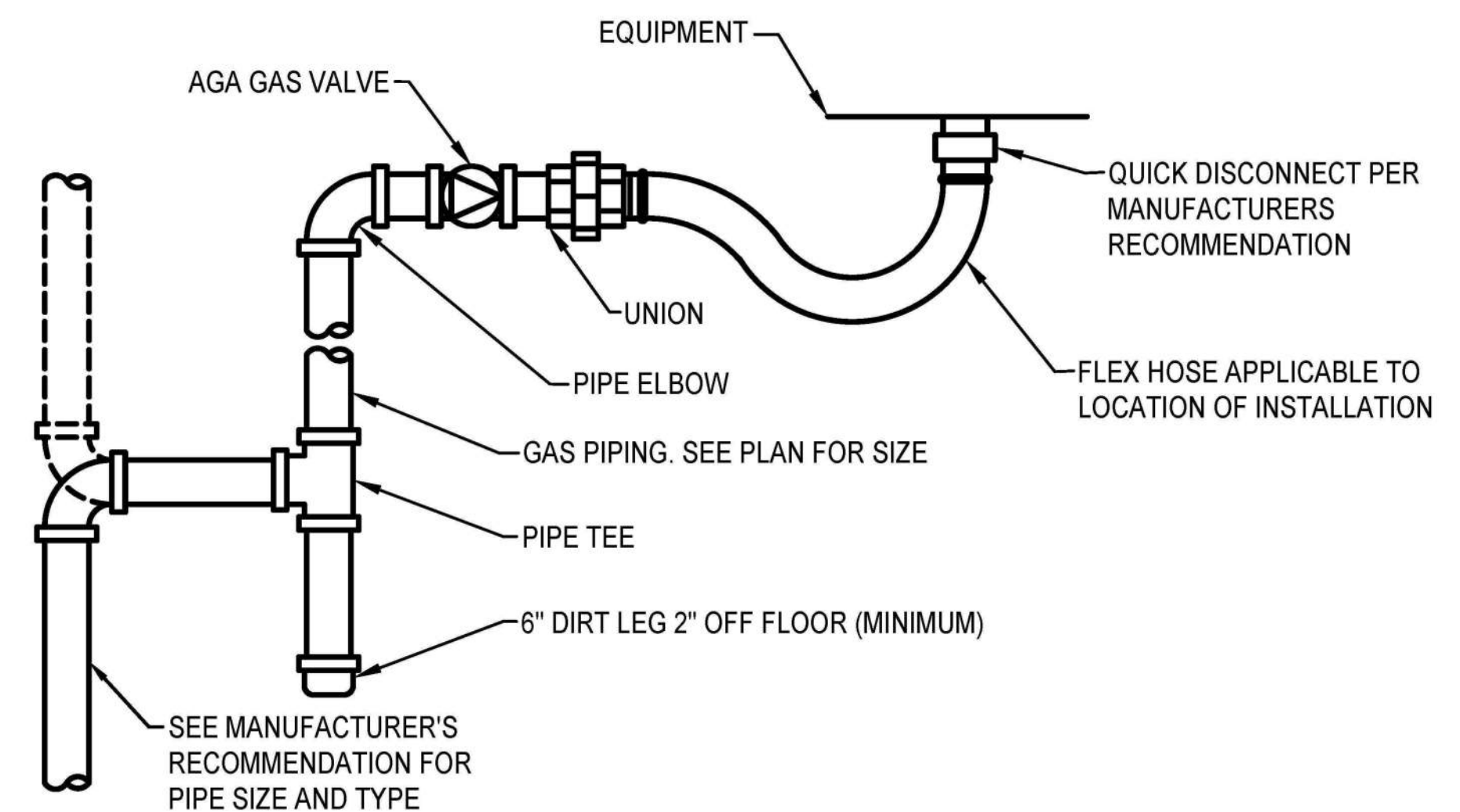
2 TYPICAL HOUSE LAYOUT
 M2.0 SCALE: 1/4" = 1'-0"



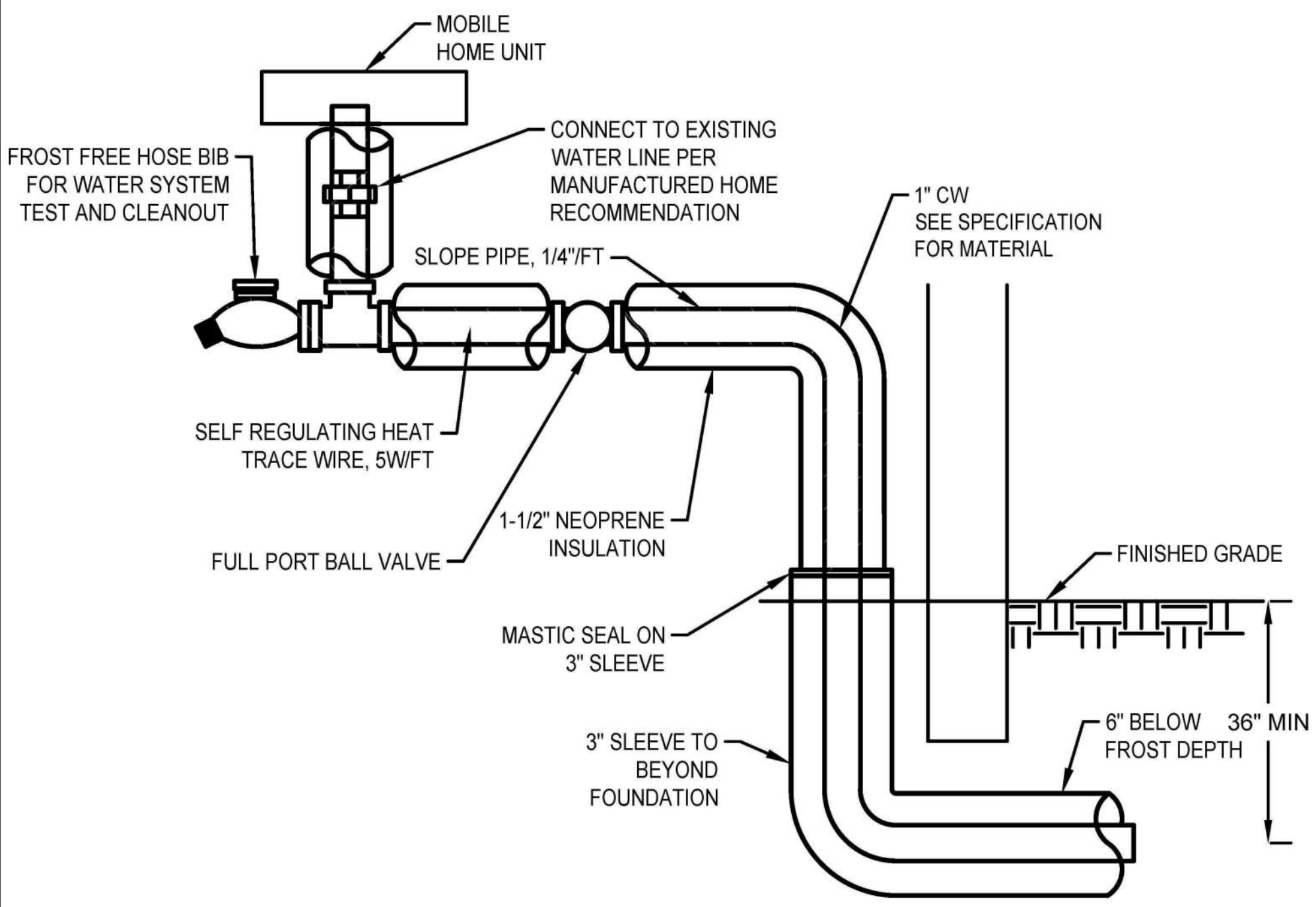
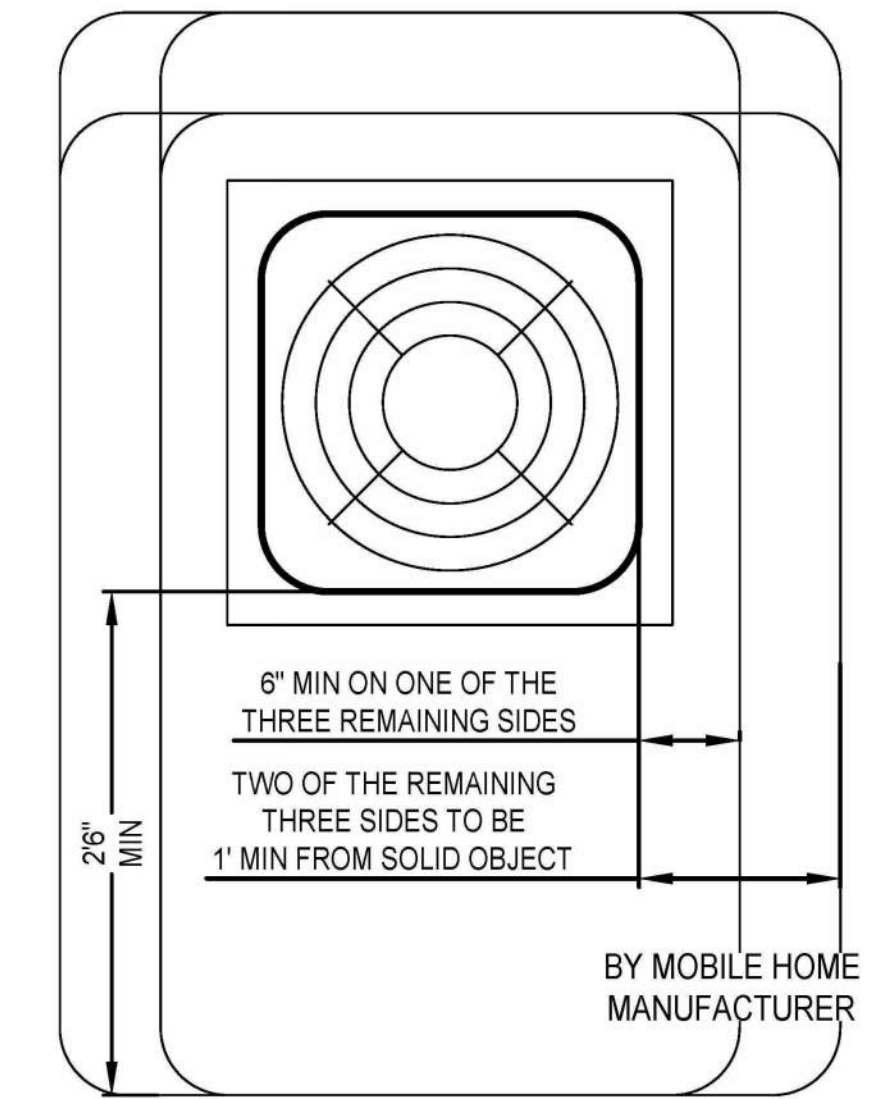
3 PUMP HOUSE
 M2.0 SCALE: 1/4" = 1'-0"



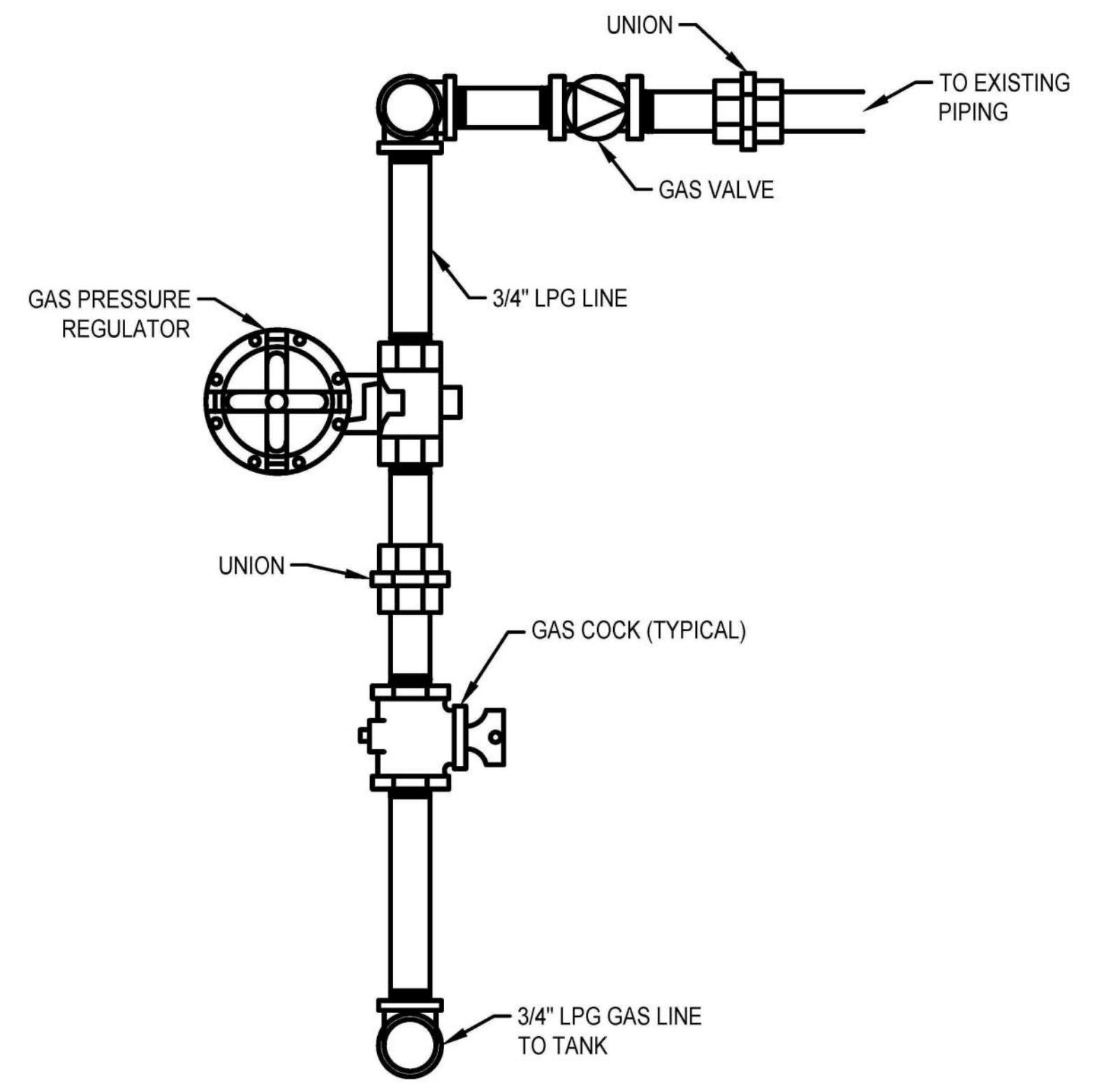
1 GRADE CLEAN OUT
 M5.0 SCALE: NTS



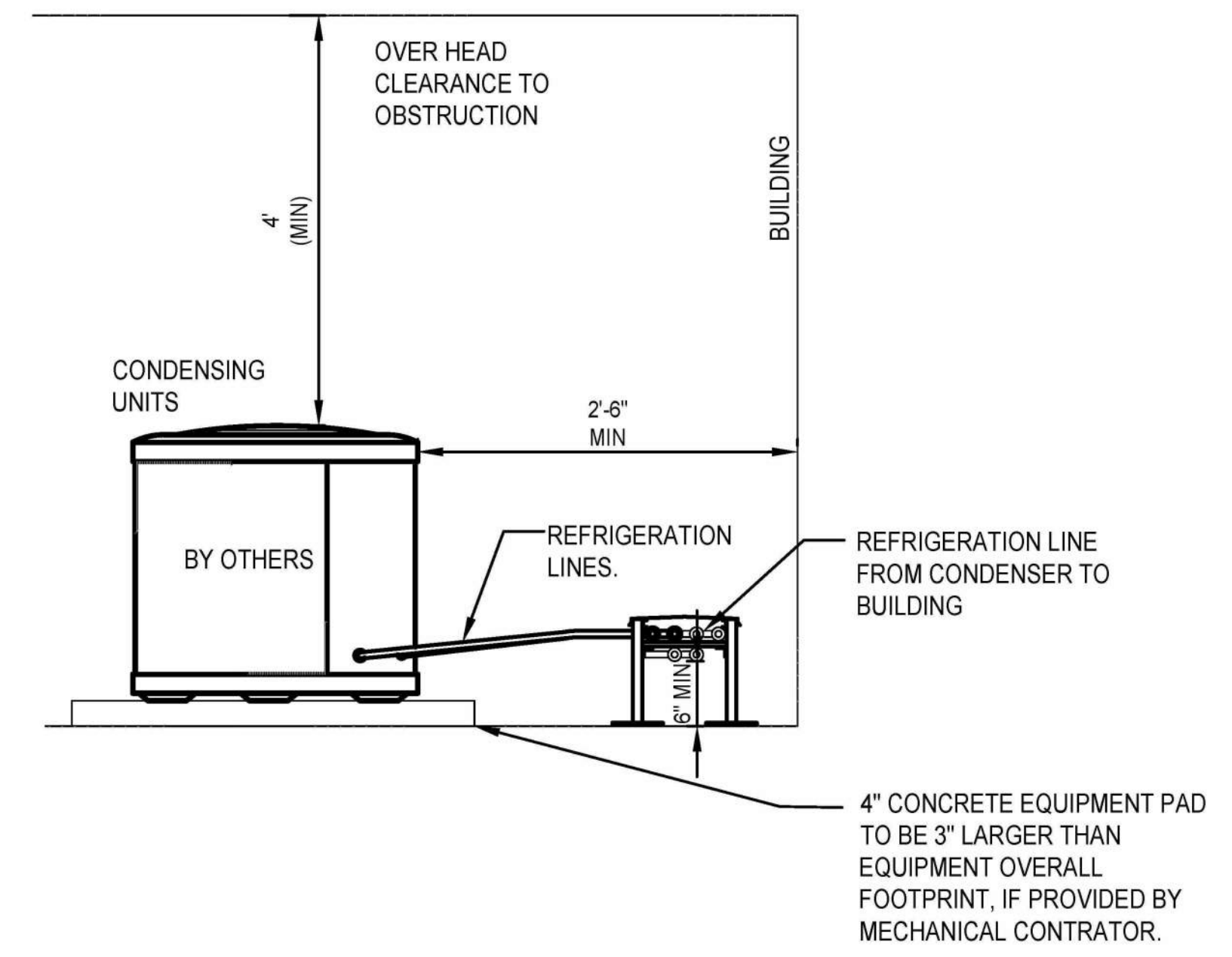
2 GAS CONNECTION DETAIL
 M5.0 SCALE: NTS



3 BELOW FOUNDATION CRAWL ENTRANCE
 M5.0 SCALE: NTS



4 GAS REGULATOR DETAIL
 M5.0 SCALE: NTS



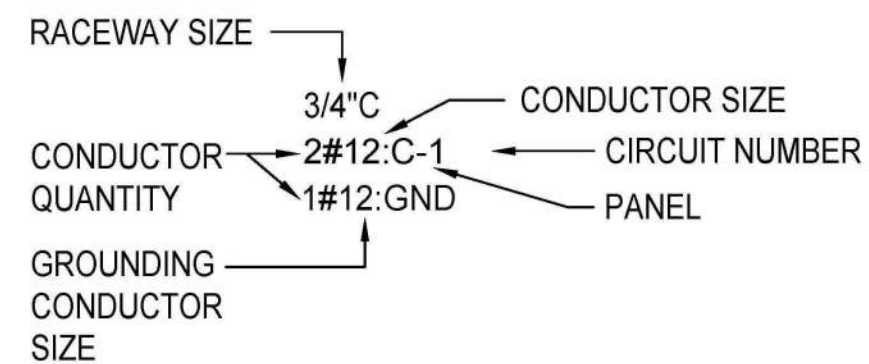
5 CONDENSING UNIT DETAIL
 M5.0 SCALE: NTS

POWER SYSTEM DEVICE SYMBOLS

- DUPLEX OUTLET, +18" AFF UNO.
- FOURPLEX OUTLET, +18" AFF UNO.
- GFI OUTLET, +18" AFF UNO.
- GFI OUTLET, ABOVE COUNTER
- FOURPLEX GFI OUTLET, +18" AFF UNO.
- DEDICATED SIMPLEX GFCI OUTLET, +18" AFF UNO.
- EQUIPMENT CONNECTION
- 120V TWIST LOCK RECEPTACLE.
- TRANSFORMER.
- JUNCTION BOX.
- FLUSH MOUNTED PANELBOARD/ENCLOSURE.
- FUSED DISCONNECT SWITCH, SIZE AS INDICATED, NEMA 1 UNO, 3 POLE UNO.
- NON-FUSED DISCONNECT SWITCH, SIZE AS INDICATED, NEMA 1 UNO, 3 POLE UNO.
- MOTOR.
- VARIABLE FREQUENCY DRIVE.

CIRCUIT WIRING SYMBOLS

- CONDUIT STUBBED OR SLEEVE, CAPPED, AND MARKED WITH PULL CORD
- CIRCUIT CONCEALED IN CEILING OR WALL, 3/4"C-2#12, 1#12G UNO.
- CIRCUIT CONCEALED IN FLOOR OR UNDERGROUND, 3/4"C-2#10, 1#10G UNO.



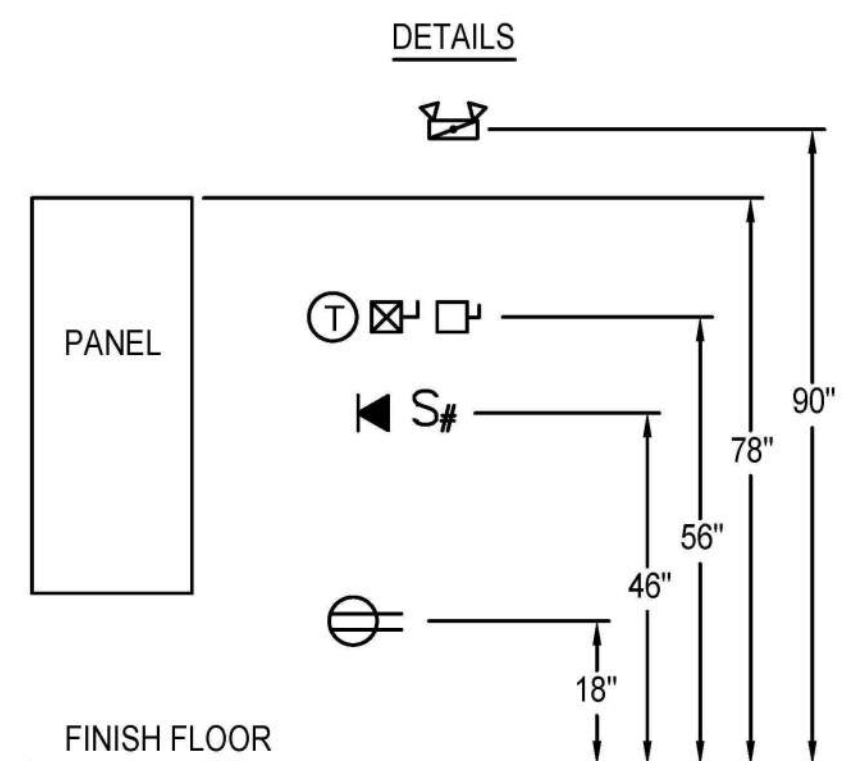
ONE-LINE DIAGRAM SYMBOLS

- PANEL ***** BRANCH PANEL.
- CIRCUIT BREAKER, SIZE AND TYPE AS SPECIFIED
- METER AND BASE
- SERVICE GROUND, GROUND PER NEC ARTICLE 250
- TRANSFORMER
- FUSIBLE DISCONNECT
- NON-FUSED DISCONNECT
- DOUBLE-THROW, DOUBLE-POLE DISCONNECT

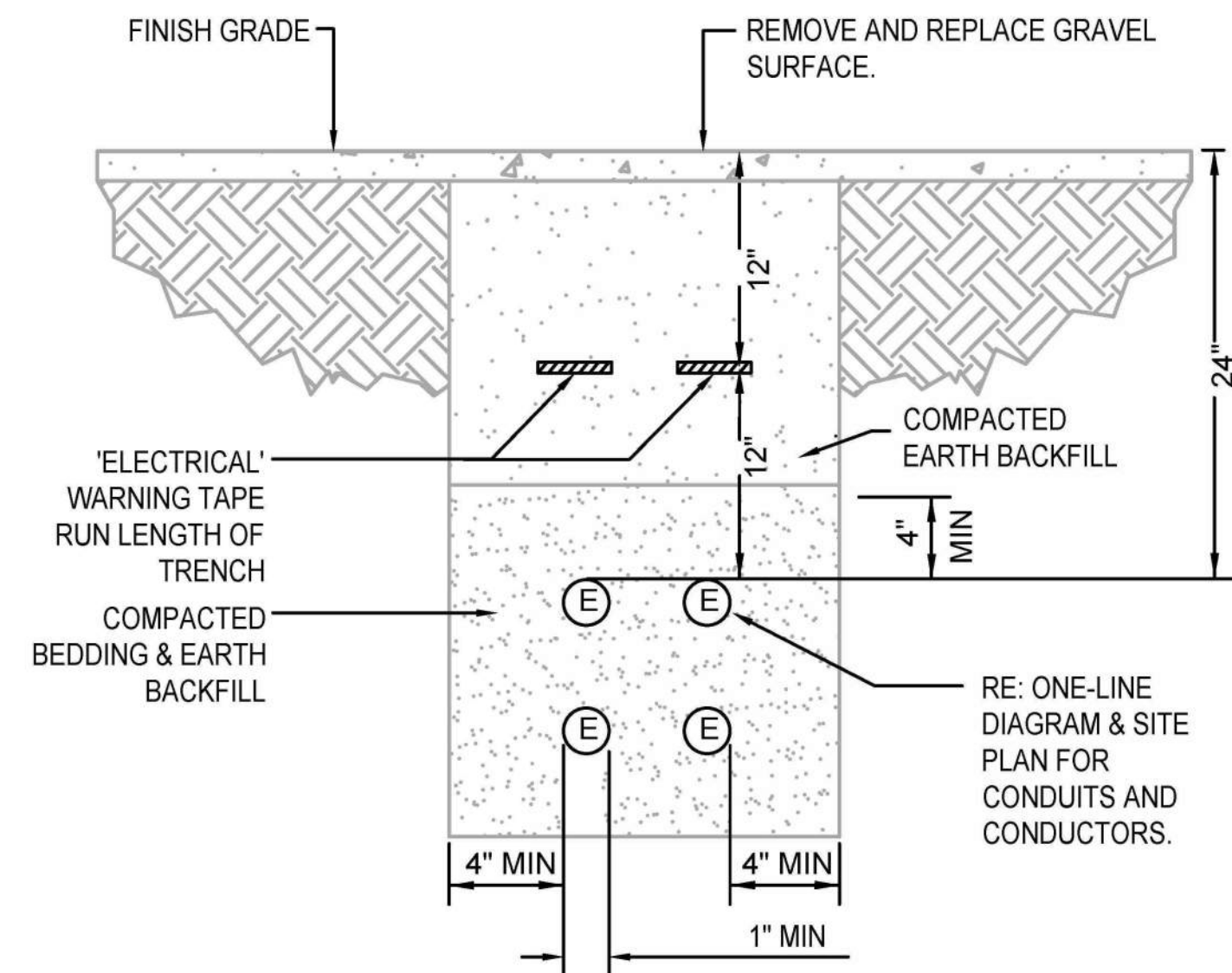
1. COLOR CODE WIRES AS FOLLOWS:

CONDUCTORS	120/208V	480/277V
PHASE A	BLACK	BROWN
PHASE B	RED	ORANGE
PHASE C	BLUE	YELLOW
NEUTRAL	WHITE	GRAY
GROUND	GREEN	GREEN

2. ELECTRICAL DEVICES AND LINEWORK ARE SHOWN BOLD FOR NEW, BOLD/DASHED FOR DEMO & RELOCATED AND MEDIUM/DASHED FOR EXISTING.
3. DIMENSIONED LENGTHS SHALL TAKE PRECEDENCE OVER SCALED LENGTHS.
4. FURNISH AND INSTALL A COMPLETE ELECTRICAL SYSTEM AS DEPICTED FROM THE PLANS AND SPECIFICATIONS. COMPLETE AS NOTED OR IMPLIED, NOT LIMITED TO WHAT IS SHOWN.
5. COORDINATE ALL DEVICE/EQUIPMENT LOCATIONS AND SPECIFIC REQUIREMENTS WITH MECHANICAL TRADE PRIOR TO ROUGH-IN.



1 TYPICAL HEIGHTS DETAIL
E0.0 SCALE: NTS



2 TRENCHING DETAIL
E0.0 SCALE: NTS

UTILITY NAME: IDAHO POWER

RESPONSIBILITIES

	UTILITY	CONTRACTOR
PRIMARY		
• TRENCH/BACKFILL	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• CONDUIT	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• WIRE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• TERMINATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• UNDERGROUND PRIMARY LINE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TRANSFORMER		
• TRANSFORMER	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• VAULT (IF REQUIRED)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• PAD	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• METER BASE	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• METER	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CT CAN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• CT	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SECONDARY		
• TRENCH/BACKFILL	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• CONDUIT	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• WIRE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• TERMINATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3 RESPONSIBILITY MATRIX
E0.0 SCALE: NTS

ITD FAIRFIELD MOBILE HOME UNITS
FAIRFIELD, ID

PROJECT NAME:

SHEET TITLE:

ELECTRICAL COVER

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS OR SPECIFICATIONS

REVISION DATE

CLIENT PROJ. NUMBER: ITD24-0323

ARCH. JOB NUMBER: 24626

SHEET ISSUED DATE: APRIL 2024

SHEET

E0.0

ELECTRICAL SHEET SPECIFICATIONS

PART 1 – GENERAL

1.1 SCOPE OF WORK

FURNISH AND INSTALL ALL MATERIALS AND EQUIPMENT AND PROVIDE ALL ASSOCIATED LABOR REQUIRED AND NECESSARY TO COMPLETE THE WORK INTENDED BY OR INFERRED FROM THIS SHEET SPECIFICATION AND DRAWING PACKAGE, AND ALL OTHER WORK AND OR MISCELLANEOUS ITEMS, NOT SPECIFICALLY MENTIONED, BUT REASONABLY INFERRED FOR A COMPLETE INSTALLATION, INCLUDING ALL ACCESSORIES AND APPURTENANCES REQUIRED FOR TESTING OF THE SYSTEM. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS THAT ALL SYSTEMS BE COMPLETE AND READY FOR OPERATION. THIS PROJECT INCLUDES GENERAL POWER, LIGHTING, AND COMMUNICATIONS SYSTEM RACEWAY. FIRE ALARM SYSTEM, IF REQUIRED, IS TO BE DESIGN/BUILD BY ELECTRICAL CONTRACTOR. COMMUNICATIONS SYSTEM CABLING AND HEAD-END EQUIPMENT IS BY OWNER.

1.2 CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL COMPLY WITH LATEST RULES, CODES AND REGULATIONS, INCLUDING, BUT NOT LIMITED TO THE MOST CURRENT ADOPTED VERSIONS OF OSHA, THE NATIONAL ELECTRICAL CODE, INTERNATIONAL BUILDING AND FIRE CODES, NFPA, AND OTHER APPLICABLE STATE AND LOCAL CODES, LAWS AND REGULATIONS. CODE COMPLIANCE IS MANDATORY. NOTHING IN THESE DRAWINGS AND SPECIFICATIONS PERMITS WORK NOT CONFORMING TO THESE CODES. WHERE WORK IS SHOWN TO EXCEED MINIMUM CODE REQUIREMENTS, COMPLY WITH DRAWINGS AND SPECIFICATIONS.

1.3 LICENSE, FEES AND PERMITS

ELECTRICAL CONTRACTOR IS TO ARRANGE FOR REQUIRED INSPECTIONS AND PAY ALL LICENSE, PERMIT AND INSPECTION FEES.

1.4 CONDITIONS AT SITE

VISIT TO SITE IS REQUIRED OF ALL BIDDERS PRIOR TO SUBMISSION OF BID. ALL BIDDERS WILL BE HELD TO HAVE FAMILIARIZED THEMSELVES WITH ALL DISCERNIBLE CONDITIONS AND NO EXTRA PAYMENT WILL BE ALLOWED FOR WORK REQUIRED BECAUSE OF THESE CONDITIONS, WHETHER SPECIFICALLY MENTIONED OR NOT. LINES OF OTHER SERVICES THAT ARE DAMAGED AS A RESULT OF THIS WORK SHALL PROMPTLY BE REPAIRED AT NO EXPENSE TO THE OWNER TO COMPLETE SATISFACTION OF THE OWNER.

1.5 SAFETY

THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. CONTRACTOR SHALL HAVE AN ESTABLISHED SAFETY PLAN THAT ALL EMPLOYEES ARE TRAINED ON.

1.6 GUARANTEE

GUARANTEE THE INSTALLATION FREE FROM DEFECTS OF WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER DATE OF CERTIFICATE OF FINAL PAYMENT AND PROMPTLY REMEDY ANY DEFECTS DEVELOPING DURING THIS PERIOD, WITHOUT CHARGE.

1.7 SUBSTITUTIONS

WHEREVER POSSIBLE, MORE THAN ONE MANUFACTURER HAS BEEN LISTED FOR VARIOUS ITEMS OF EQUIPMENT, ANY ONE OF WHICH WILL BE ACCEPTABLE. BASE THE BID ON USE OF MATERIALS SPECIFIED. IF, AFTER AWARD OF THE CONTRACT, A SUBSTITUTE IS PROPOSED, THE REQUEST FOR PERMISSION TO SUBSTITUTE SHALL BE ACCOMPANIED WITH A STATEMENT OF THE AMOUNT OF MONEY TO BE RETURNED TO THE CONTRACT IF THE SUBSTITUTE IS PERMITTED. THE OWNER IS THE SOLE JUDGE OF ACCEPTABILITY OF PROPOSED SUBSTITUTIONS, IF A SUBSTITUTE ITEM IS PERMITTED, AND ANY REDESIGN EFFORT IS THEREBY NECESSITATED, THE REQUIRED REDESIGN SHALL BE AT THE CONTRACTOR'S EXPENSE.

1.8 SHOP DRAWINGS AND MATERIALS LISTS

SUBMIT TO THE OWNER, SEVEN (7) COPIES OF COMPLETE SHOP DRAWINGS AND MATERIALS LISTS FOR REVIEW WITHIN FOURTEEN (14) DAYS AFTER AWARD OF CONTRACT. ALL PROPOSED DEVIATIONS FROM SPECIFICATIONS MUST BE CLEARLY LISTED UNDER A PROMINENT HEADING ENTITLED "DEVIATIONS".

1.9 WORKMANSHIP

ONLY QUALITY WORKMANSHIP WILL BE ACCEPTED. HAPHAZARD OR POOR INSTALLATION PRACTICE WILL BE CAUSE FOR REJECTION OF WORK.

1.10 COORDINATION

COORDINATE WORK WITH OTHER TRADES TO AVOID CONFLICT AND TO PROVIDE CORRECT ROUGH-IN AND CONNECTION FOR EQUIPMENT FURNISHED BY OTHER TRADES THAT REQUIRE ELECTRICAL CONNECTIONS. VERIFY EQUIPMENT DIMENSIONS AND REQUIREMENTS WITH PROVISIONS SPECIFIED UNDER THIS SECTION. CHECK ACTUAL JOB CONDITIONS BEFORE FABRICATING WORK. REPORT NECESSARY CHANGES IN TIME TO PREVENT NEEDLESS WORK AND OR DELAYS.

1.11 CUTTING AND PATCHING

ALL CUTTING AND PATCHING REQUIRED FOR WORK OF THIS DIVISION IS

INCLUDED HEREIN. COORDINATION WITH GENERAL CONTRACTOR AND OTHER TRADES IS IMPERATIVE.

1.12 SITE CLEANUP

- AFTER ALL OTHER WORK HAS BEEN ACCOMPLISHED, CLEAN ALL EXPOSED CONDUIT, FIXTURES, EQUIPMENT AND SUPPORTS. TOUCH UP PAINT ON ANY EQUIPMENT SCRAPPED OR SCRATCHED DURING CONSTRUCTION. DAMAGED EQUIPMENT CAUSED BY THIS CONTRACTOR WILL BE REPLACED.
- LEAVE ALL AREAS INVOLVING ELECTRICAL WORK IN A CONDITION SATISFACTORY TO THE OWNER. REMOVE ALL CRATES, CARDBOARD, PACKING MATERIAL, WASTE MATERIAL, AND OTHER DEBRIS LEFT OVER FROM CONSTRUCTION DAILY.

PART 2 – PRODUCTS

2.1 MATERIAL APPROVAL

ALL MATERIALS MUST BE NEW AND BEAR U.L. LABEL. MATERIALS THAT ARE NOT COVERED BY UL TESTING STANDARDS SHALL BE TESTED AND APPROVED BY AN INDEPENDENT TESTING LABORATORY OF A GOVERNMENTAL AGENCY APPROVED BY THE AUTHORITY HAVING JURISDICTION.

2.2 WIRES AND CABLES

- CONDUCTORS FOR 600V SYSTEMS AND BELOW SHALL BE STRANDED COPPER (UNLESS NOTED OTHERWISE), #12 AWG MINIMUM.
- INSULATION SHALL BE THWN FOR WET LOCATIONS AND THHN FOR DRY LOCATIONS.

2.3 OUTLET BOXES, JUNCTION AND PULL BOXES

- OUTLET BOXES SHALL BE GALVANIZED OR CADMIUM PLATED STEEL SIZED AS PER N.E.C. OR AS NOTED. UTILIZE RESIDENTIAL-GRADE PLASTIC HANGER BOXES FOR NETWORK/COMMUNICATIONS CONNECTION POINTS. USE FOUR (4) INCH SQUARE OCTAGON BOX FOR FIXTURES AND TILE TYPE DEVICE BOXES.

2.4 WIRING DEVICES

- PROVIDE AND INSTALL ALL WIRING DEVICES WITH COVERPLATES AS NOTED ON THE PLANS. DEVICES AND COVER PLATES SHALL MATCH THE EXISTING COLOR AND TYPE.
- DEVICES: WALL SWITCHES AND CONVENIENCE OUTLETS SHALL BE RATED FOR 20-AMP, 125-VOLT (NEMA 5-20 ANSI C73.12) SPECIFICATION GRADE DEVICES EXCEPT AS NOTED. RESIDENTIAL GRADE DEVICES ARE NOT PERMITTED.
- PROVIDE FACTORY-FABRICATED WIRING DEVICES, IN TYPES, AND ELECTRICAL RATINGS FOR APPLICATIONS INDICATED AND COMPLYING WITH NEMA STDS. PUB. NO. WD1.
- PROVIDE WIRING DEVICES (OF PROPER VOLTAGE RATING) AS FOLLOWS:

MFG	C.O.'S	1-POLE	3-WAY	4-WAY	W/PILOT
HUBBELL	5362 L	1221 L	1223 L	1234 L	1221-P1 L
P&S	5362 L	20AC1 L	20AC3 L	20AC4 L	20AC1-CPL
LEVITON	5362 L	1223 L	1223 L	1224 L	

- COVER PLATES: ALL DEVICES SHALL HAVE COVERPLATES. THEY SHALL HAVE A PLAIN FLAT SURFACE WITH BEVELED EDGES COMPATIBLE WITH THE DEVICE. THE COVER PLATES IN THE SHOP, PARTS, TOOL ROOM AND FIRE RISER ROOM SHALL BE STAINLESS STEEL. COVER PLATES IN ALL OFFICE TYPE AREAS, SHOWROOM, RESTROOM AND HALLWAYS SHALL BE HIGHLY IMPACT RESISTANT (NYLON OR LEXAN) AND SHALL MATCH THE COLOR OF THE ASSOCIATED DEVICE.

- EMPTY BOXES: SHALL BE COVERED WITH MATCHING COVERPLATES. PROVIDE HARDWARE AS NEEDED.
- EXTERIOR DEVICES SHALL BE 20A GFCI TYPE WITH WATERPROOF HIGHLY IMPACT RESISTANT CLEAR WHILE IN USE TYPE COVER.

2.5 WIRE CONNECTORS

- FOR WIRE SIZES #8 AWG AND SMALLER: INSULATED PRESSURE TYPE (WITH LIVE SPRING) RATED 105°C, 600V, FOR BUILDING WIRING AND 1000V IN FIXTURES, SCOTCHLOK OR IDEAL.
- FOR WIRE SIZES #6 AWG AND LARGER: T&B OR EQUIVALENT COMPRESSION TYPE WITH 3M #33+ OR PLYMOUTH "SLIPKNOT GREY" TAPE INSULATION.

2.6 PANELBOARD

PANELBOARDS SHALL BE AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, SIEMENS, OR EATON/CUTLER HAMMER. PROVIDE PANELBOARDS AS INDICATED ON SCHEDULES, WITH THE FOLLOWING FEATURES: TINNED

ALUMINUM BUS (98 PERCENT CONDUCTIVITY), MECHANICAL-TYPE MAIN AND NEUTRAL LUGS, NEUTRAL BUS RATED 100 PERCENT OF PHASE BUS, GROUND BUS BONDED TO ENCLOSURE, BOLT-ON MOLDED-CASE THERMAL-MAGNETIC BREAKERS.

2.7 RACEWAYS

A. OUTDOORS:

EXPOSED: RIGID STEEL OR INTERMEDIATE METAL CONDUIT
CONCEALED: RIGID STEEL OR INTERMEDIATE METAL CONDUIT
UNDERGROUND: RIGID NON-METALLIC CONDUIT
TO VIBRATING EQUIPMENT: LIQUID-TIGHT FLEXIBLE METAL CONDUIT

B. INDOORS:

EXPOSED: ELECTRICAL METALLIC TUBING, RIGID STEEL CONDUIT, PVC-COATED RIGID STEEL CONDUIT
CONCEALED: ELECTRIC METALLIC TUBING, METAL CLAD (WHERE ALLOWED BY AHJ)
DAMP OR WET LOCATIONS: RIGID STEEL CONDUIT
TO VIBRATING EQUIPMENT: FLEXIBLE METAL CONDUIT

2.8 STRUT CHANNEL – MANUFACTURERS

SUBJECT TO COMPLIANCE WITH REQUIREMENTS SET FORTH IN THE DRAWINGS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:

- UNISTRUT
 - COOPER B-LINE
 - ALLIED TUBE & CONDUIT
 - THOMAS & BETTS
 - WESANCO
 - GS GLOBAL METAL
- APPROVED EQUAL

2.9 VARIABLE FREQUENCY DRIVE (VFD)

- AS REQUIRED IN THE DRAWINGS, THE VFD SHALL BE RATED 240V, SINGLE-PHASE, 60HZ AND MINIMUM 3HP.
- ALLEN-BRADLEY POWERFLEX 520-SERIES IS THE NOTED OPTION. ALTERNATIVE PRODUCTS FROM THE FOLLOWING MANUFACTURERS ARE ACCEPTABLE:
 - ABB
 - DANFOSS INC.; DANFOSS DRIVES DIV.
 - MITSUBISHI
 - TOSHIBA
 - APPROVED EQUAL
- SUBMITTALS: PROVIDE PRODUCT DATA AND SHOP DRAWINGS WHICH INCLUDES, BUT NOT LIMITED TO: PERFORMANCE, OPERATING CHARACTERISTICS, DIMENSIONED PLANS, ELEVATIONS, CONDUIT ENTRY LOCATIONS, AND REQUIRED CLEARANCES.
- ENCLOSURE: NEMA 250. INDOOR LOCATION SUBJECT TO DUST, FALLING DIRT, AND DRIPPING NON-CORROSIVE LIQUIDS: TYPE12.
- INSTALLATION: COORDINATE LAYOUT AND INSTALLATION OF VFD WITH OTHER CONSTRUCTION INCLUDING CONDUIT, PIPING, EQUIPMENT, AND ADJACENT SURFACES. MAINTAIN REQUIRED WORKSPACE CLEARANCES AND REQUIRED CLEARANCES FOR EQUIPMENT ACCESS DOORS AND PANELS. INSTALL ON WALL WITH DISCONNECT OPERATING HANDLE NO HIGHER THAN 79 INCHES ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.
- WARRANTY: WARRANTY PERIOD TO REPAIR OR REPLACE VFD FOR FAILURE IN MATERIALS OR WORKMANSHIP IS THREE (3) YEARS FROM THE DATE OF SUBSTANTIAL COMPLETION.

PART 3 – EXECUTION

3.1 – GENERAL

- ELECTRIC SYSTEM LAYOUTS INDICATED ON THE DRAWINGS ARE GENERALLY DIAGRAMMATIC, BUT SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
- CONSULT ALL OTHER DRAWINGS. VERIFY SCALES AND REPORT ANY DIMENSIONAL DISCREPANCIES OR OTHER CONFLICTS TO ARCHITECT BEFORE SUBMITTING BID.
- ALL HOME RUNS ARE INDICATED AS STARTING FROM THE DEVICE NEAREST THE PANEL AND CONTINUING IN THE GENERAL DIRECTION OF THAT PANEL. CONTINUE SUCH CIRCUITS TO THE PANEL AS THOUGH THE ROUTES WERE COMPLETELY INDICATED.
- AVOID CUTTING AND BORING HOLES THROUGH STRUCTURE OR STRUCTURAL MEMBERS WHEREVER POSSIBLE. OBTAIN PRIOR APPROVAL OF ARCHITECT AND CONFORM TO ALL STRUCTURAL REQUIREMENTS WHEN CUTTING OR BORING THE STRUCTURE IS NECESSARY AND PERMITTED.

3.2 – ELECTRICAL GROUNDING

GROUND ALL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 250. IN ADDITION PROVIDE A SEPARATE GROUND WIRE FOR ALL FEEDERS AND BRANCH CIRCUITS.

3.3 – ELECTRICAL EQUIPMENT INSTALLATION

- HEAD ROOM MAINTENANCE: IF MOUNTING HEIGHTS OR OTHER LOCATION CRITERIA ARE NOT INDICATED, ARRANGE AND INSTALL COMPONENTS AND EQUIPMENT TO PROVIDE THE MAXIMUM POSSIBLE HEADROOM.
- MATERIALS AND COMPONENTS: INSTALL LEVEL, PLUMB, AND PARALLEL AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS, UNLESS OTHERWISE INDICATED.
- EQUIPMENT: INSTALL TO FACILITATE SERVICE, MAINTENANCE, AND REPAIR OR REPLACEMENT OF COMPONENTS. CONNECT FOR EASE OF DISCONNECTING, WITH MINIMUM INTERFERENCE WITH OTHER INSTALLATIONS.
- RIGHT OF WAY: COORDINATE INSTALLATION OF ELECTRICAL DEVICES WITH OTHER TRADES.

3.4 – RACEWAY AND CABLE INSTALLATION RACEWAY:

- ABOVE GRADE: RIGID STEEL OR IMC IN WET LOCATIONS, WHERE SUBJECT TO MECHANICAL DAMAGE AND IN CONCRETE OR BLOCK WALLS, EMT IN OTHER LOCATIONS WHERE PERMITTED BY CODE. METAL CLAD ONLY WHERE ALLOWED BY LOCAL AUTHORITY HAVING JURISDICTION.
- CONCEAL RACEWAYS AND CABLES WITHIN FINISHED WALLS, CEILINGS, AND FLOORS, UNLESS OTHERWISE INDICATED.
- INSTALL RACEWAYS AND CABLES AT LEAST SIX (6) INCHES AWAY FROM PARALLEL RUNS OF FLUES AND STEAM OR HOT-WATER PIPES. LOCATE HORIZONTAL RACEWAY RUNS ABOVE WATER AND STEAM PIPING.
- USE TEMPORARY RACEWAY CAPS TO PREVENT FOREIGN MATTER FROM ENTERING.
- MAKE CONDUIT BENDS AND OFFSETS SO INSIDE DIAMETER IS NOT REDUCED. KEEP LEGS OF BENDS IN THE SAME PLANE AND STRAIGHT LEGS OFFSETS PARALLEL, UNLESS OTHERWISE INDICATED.
- USE RACEWAY FITTINGS AND CABLE FITTINGS COMPATIBLE WITH RACEWAYS AND CABLES AND SUITABLE FOR THIS APPLICATION AND LOCATION.
- INSTALL RACEWAYS EMBEDDED IN SLABS IN MIDDLE THIRD OF SLAB THICKNESS WHERE PRACTICAL, AND LEAVE AT LEAST 1-INCH OF CONCRETE COVER.
- SECURE RACEWAYS TO REINFORCING RODS TO PREVENT SAGGING OR SHIFTING DURING CONCRETE PLACEMENT.
- SPACE RACEWAYS LATERALLY TO PREVENT VOIDS IN CONCRETE.
- INSTALL CONDUIT LARGER THAN 1-INCH TRADE SIZE PARALLEL TO OR AT RIGHT ANGLES TO MAIN REINFORCEMENT. WHERE CONDUIT IS AT RIGHT ANGLES TO REINFORCEMENT, PLACE CONDUIT CLOSE TO SLAB SUPPORT.
- TRANSITION FROM NONMETALLIC TUBING TO RIGID STEEL CONDUIT, OR IMC BEFORE RISING ABOVE FLOOR.
- MAKE EXPOSED BENDS FOR BANKED RUNS FROM SAME CENTERLINE IN ORDER THAT BENDS ARE PARALLEL. USE FACTORY ELBOWS ONLY WHERE ELBOWS CAN BE INSTALLED PARALLEL; OTHERWISE, PROVIDE FIELD BENDS FOR EXPOSED PARALLEL RACEWAYS.

CABLES:

- INSTALL PULL WIRES IN EMPTY RACEWAYS. USE NO. 14 AWG ZINC-COATED STEEL OR MONOFILAMENT PLASTIC LINE WITH NOT LESS THAN 200-LB TENSILE STRENGTH. LEAVE AT LEAST 12-INCHES OF SLACK AT EACH END OF PULL WIRE.
- INSTALL TELEPHONE AND SIGNAL SYSTEM RACEWAYS, 2-INCH TRADE SIZE AND SMALLER, IN MAXIMUM LENGTHS OF 150 FEET (45 M) AND WITH A MAXIMUM OF TWO 90-DEGREE BENDS OR EQUIVALENT. SEPARATE LENGTHS WITH PULL OR JUNCTION BOXES WHERE NECESSARY TO COMPLY WITH THESE REQUIREMENTS, IN ADDITION TO REQUIREMENTS ABOVE.
- CONNECT MOTORS AND EQUIPMENT SUBJECT TO VIBRATION, NOISE TRANSMISSION, OR MOVEMENT WITH A MAXIMUM OF 72-INCH FLEXIBLE CONDUIT. INSTALL LFMC IN WET OR DAMP LOCATIONS. INSTALL A SEPARATE GROUND CONDUCTOR ACROSS FLEXIBLE CONNECTIONS.
- SET FLOOR BOXES LEVEL AND TRIM AFTER INSTALLATION TO FIT FLUSH TO FINISHED FLOOR SURFACE.
- CONDUCTORS: TYPE THHN/THWN INSULATED CONDUCTORS IN RACEWAY.



Myers Anderson

Historic Preservation
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122 South Main Street



ITD FAIRFIELD MOBILE HOME UNITS
FAIRFIELD, ID

PROJECT NAME:

SHEET TITLE:

ELECTRICAL SPECIFICATIONS

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS OR SPECIFICATIONS

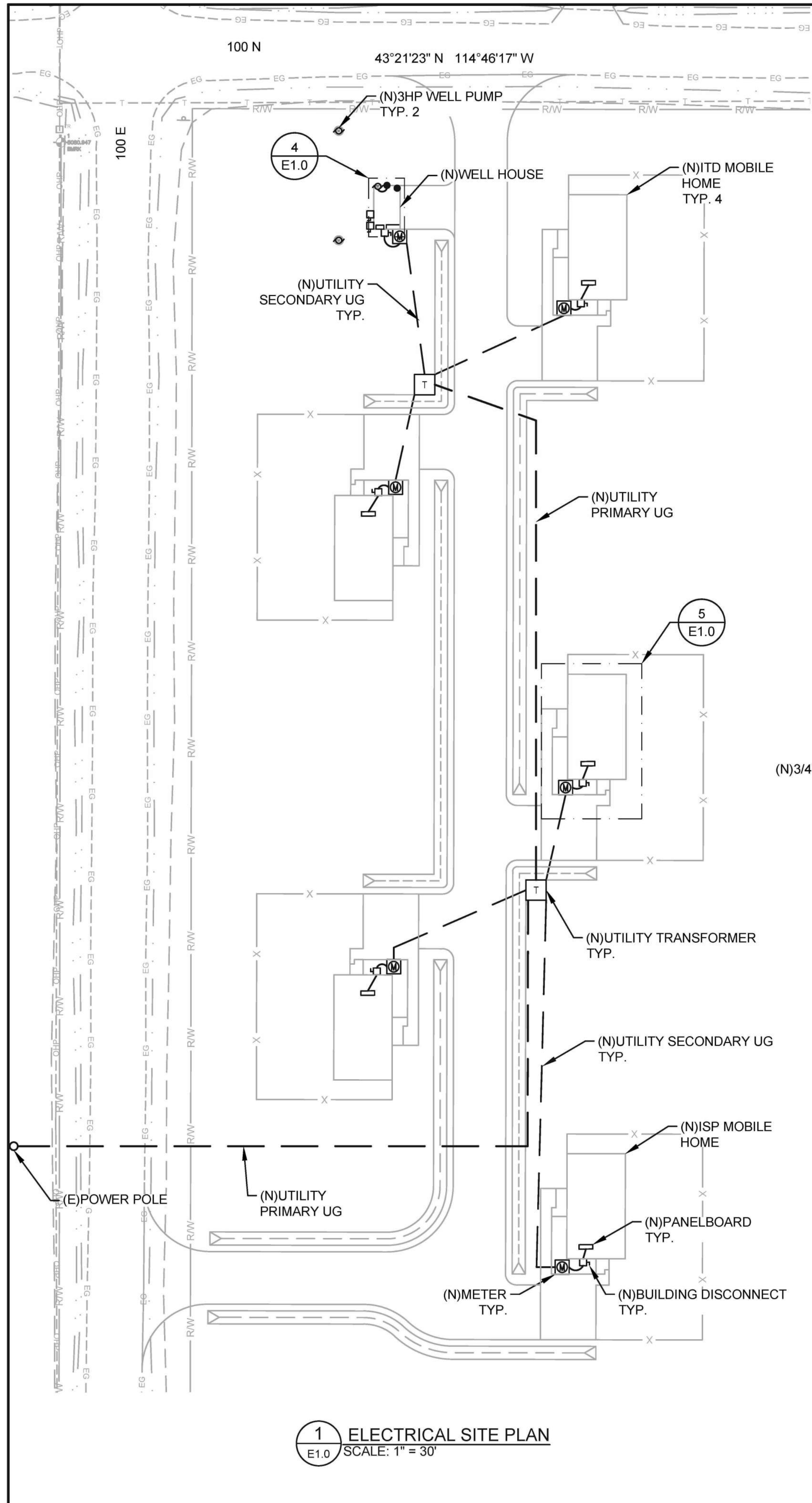
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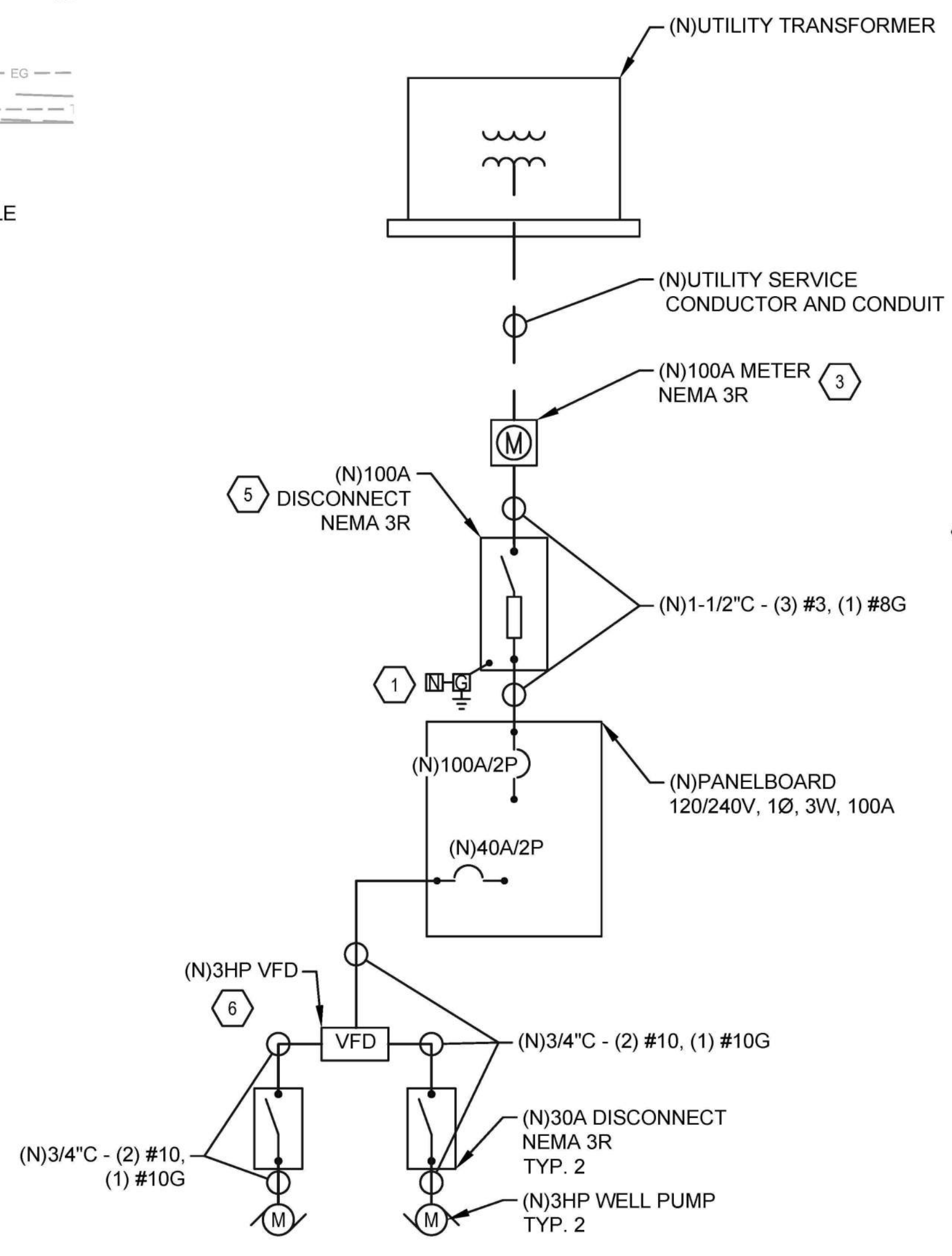
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SHEET ISSUED DATE: APRIL 2024

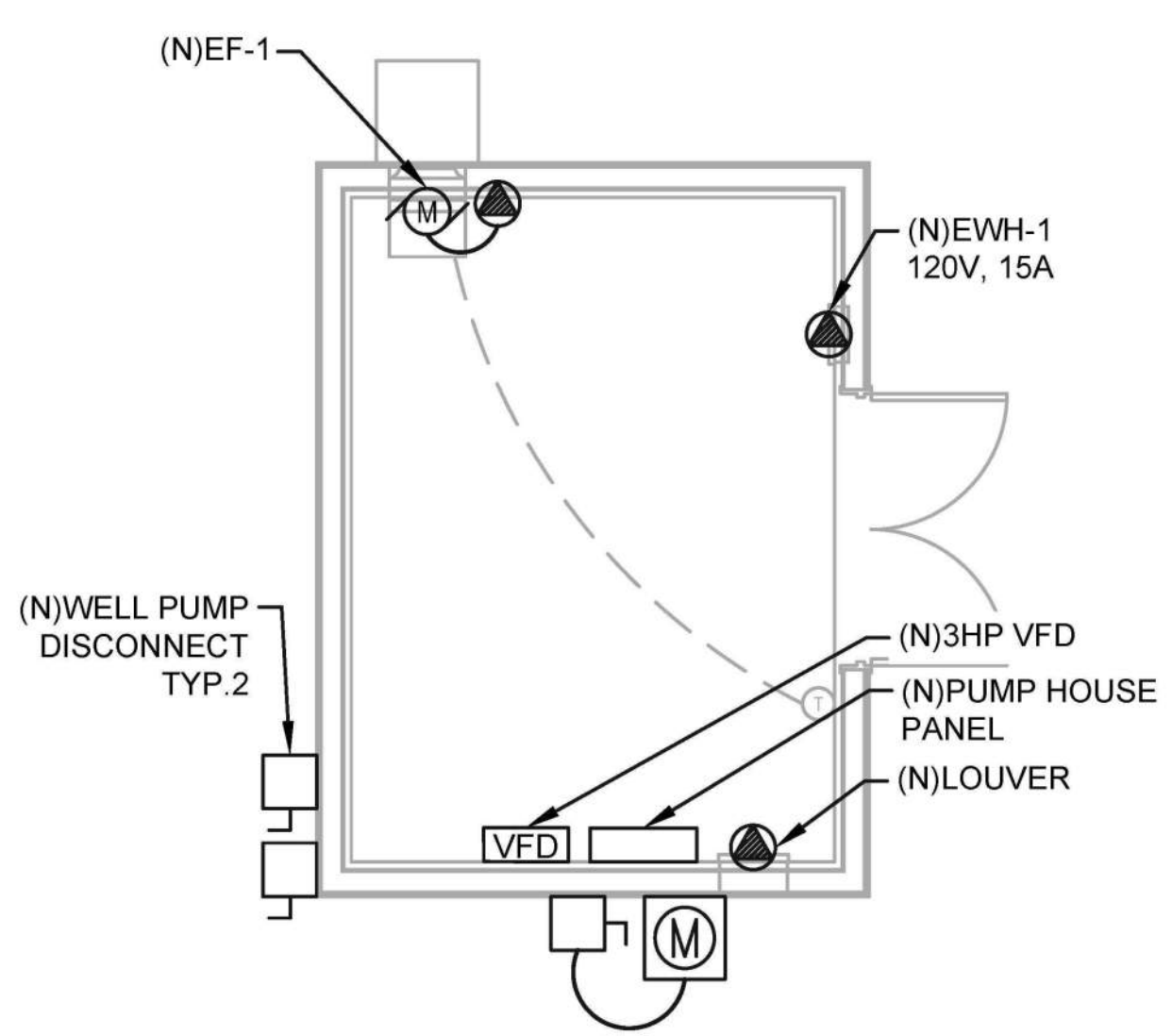
SHEET E0.1



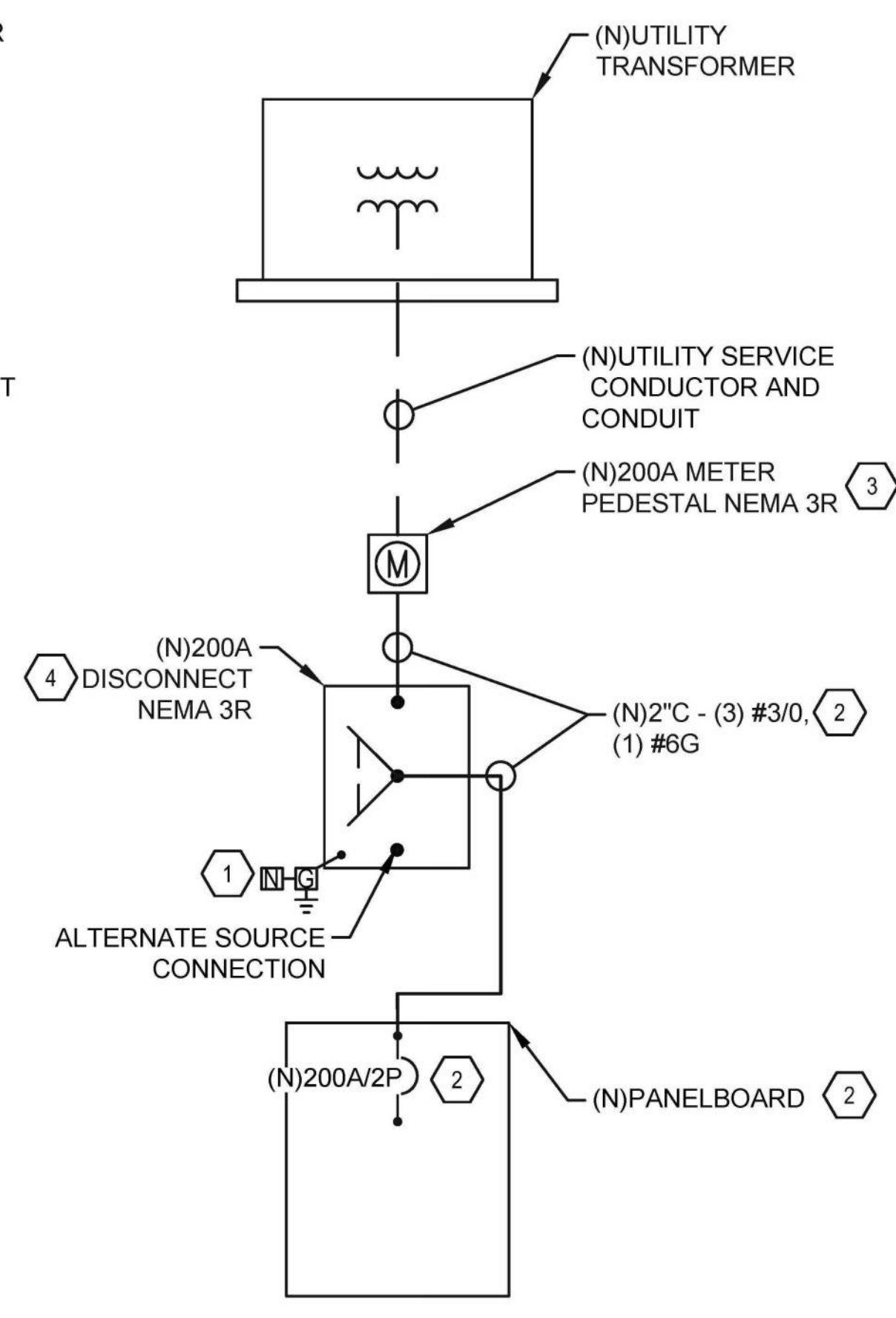
1 ELECTRICAL SITE PLAN
E1.0 SCALE: 1" = 30'



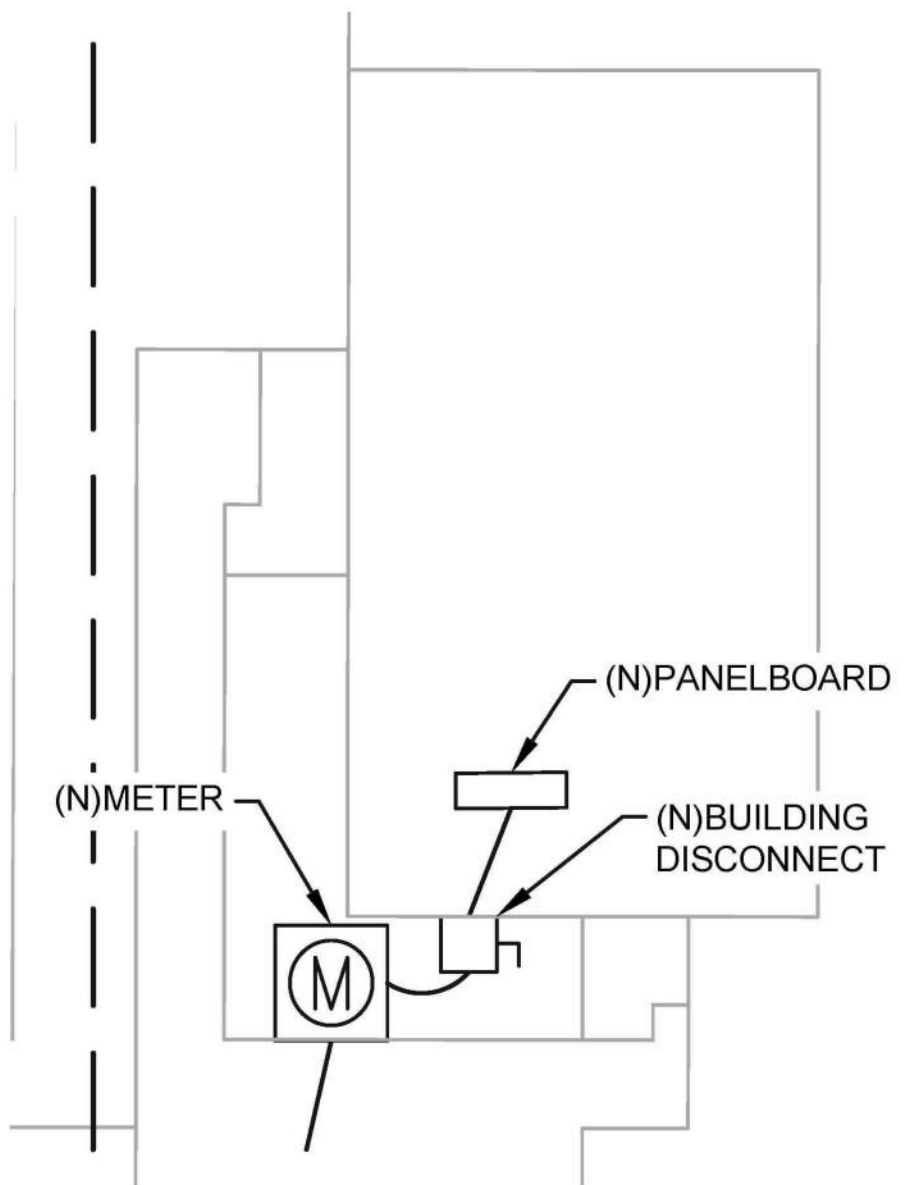
2 ONE-LINE DIAGRAM: WELL HOUSE
E1.0 SCALE: NTS



4 ENLARGED WELL HOUSE
E1.0 SCALE: 1" = 5'



3 ONE-LINE DIAGRAM: MOBILE HOME
E1.0 SCALE: NTS

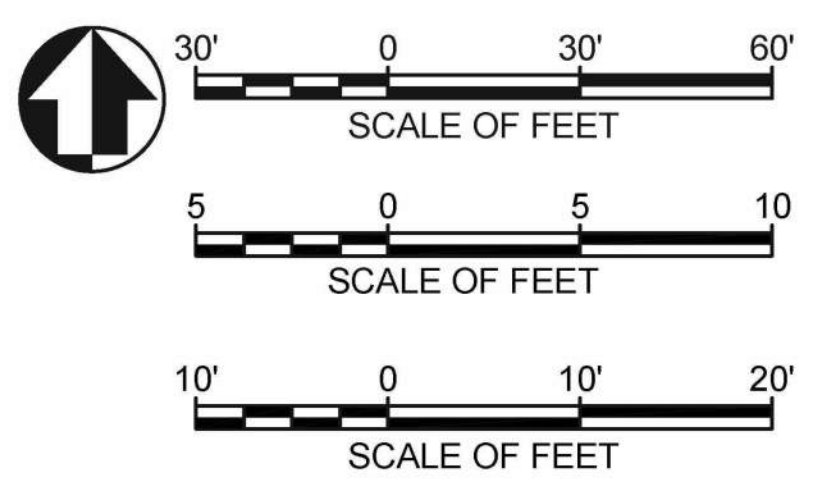


5 ENLARGED TYP. MOBILE HOME
E1.0 SCALE: 1" = 10'

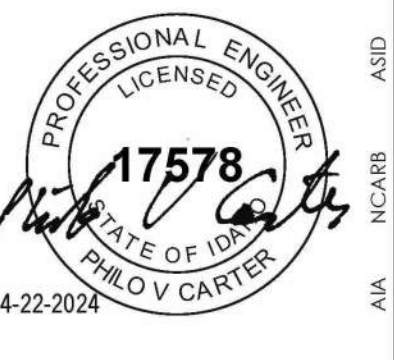


- SHEET NOTES:**
- SITE PLAN SHOWS PROPOSED ELECTRICAL INSTALLATION FOR NEW RESIDENTIAL UNIT AND METER PEDESTAL.
 - CONTRACTOR GROUND METER PEDESTAL AND NEW RESIDENTIAL UNIT PER NEC 250.
 - CONTRACTOR MAKE ALL CONNECTIONS FROM METER PEDESTAL TO RESIDENTIAL UNIT INDOOR PANEL.
 - CONTRACTOR TO LABEL METER PEDESTAL TO MATCH ADDRESS OF NEW RESIDENTIAL UNIT.
 - CONTRACTOR VERIFY NEC SERVICE OUTLET REQUIREMENTS MET FOR HVAC INSTALLATION. INSTALL 125V/20A OUTLET IF NECESSARY (GFCI PROTECTION AND WEATHERPROOF COVER REQUIRED FOR AN OUTDOOR OUTLET).
 - RESIDENTIAL UNIT MANUFACTURER TO MAKE ALL INDOOR CONNECTIONS.
 - UTILITY COMPANY CONTACT INFORMATION: IDAHO POWER 1-800-488-6151

- KEYNOTES:**
- CONTRACTOR GROUND PER NEC 250.
 - THE RESIDENTIAL PANELBOARD SIZE AND CIRCUIT BREAKERS ARE DETERMINED BY THE MANUFACTURER OF THE RESIDENCE. CONTRACTOR ADJUST METER/MAIN BREAKER SIZE, CONDUIT, DISCONNECT, AND CONDUCTOR SIZES FROM METER/MAIN TO RESIDENTIAL PANEL BASED ON FINAL SELECTION OF MAIN BREAKER SIZE IN THE RESIDENTIAL PANEL.
 - INSTALL METER PEDESTAL AND ASSOCIATED EQUIPMENT IN ACCORDANCE WITH UTILITY (IDAHO POWER) REQUIREMENTS FOR UNDERGROUND SERVICE. COORDINATE INSTALLATION WITH UTILITY (IDAHO POWER).
 - INSTALL 200A/2P BUILDING DISCONNECT, SQUARE D DTU224NRB OR EQUAL. NEMA 3R ENCLOSURE REQUIRED. SEE KEYNOTE NO.2 REGARDING FINAL SIZES OF ELECTRICAL EQUIPMENT.
 - SERVICE-ENTRANCE RATED FUSIBLE DISCONNECT, 100A/2P.
 - 3HP, 240V, 1Ø, 3W VFD WITH INTEGRAL DISCONNECT FOR WELL PUMPS.



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SHEET **E1.0**