

TOWN OF MONTOUR

HAVANA GLEN PARK IMPROVEMENTS EPF237411

35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

CONTRACT DOCUMENTS

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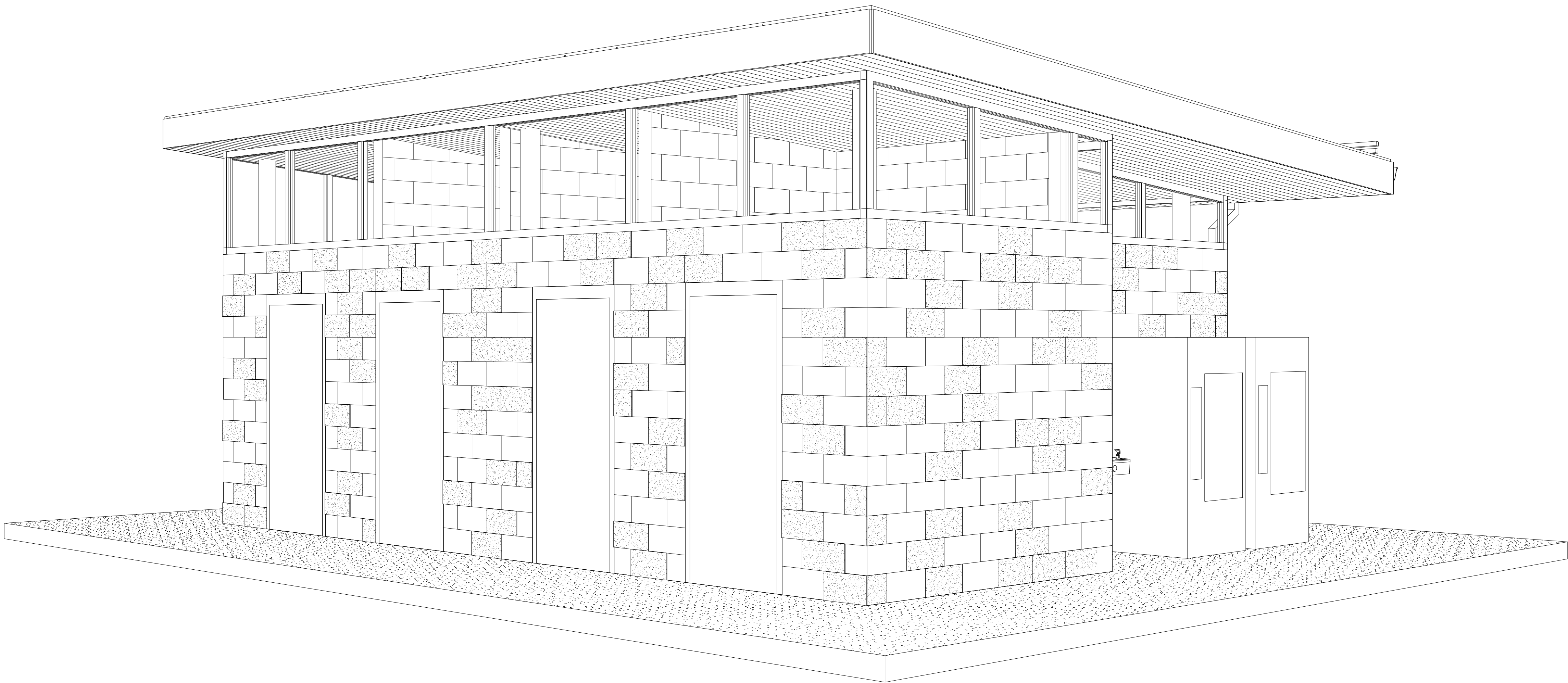
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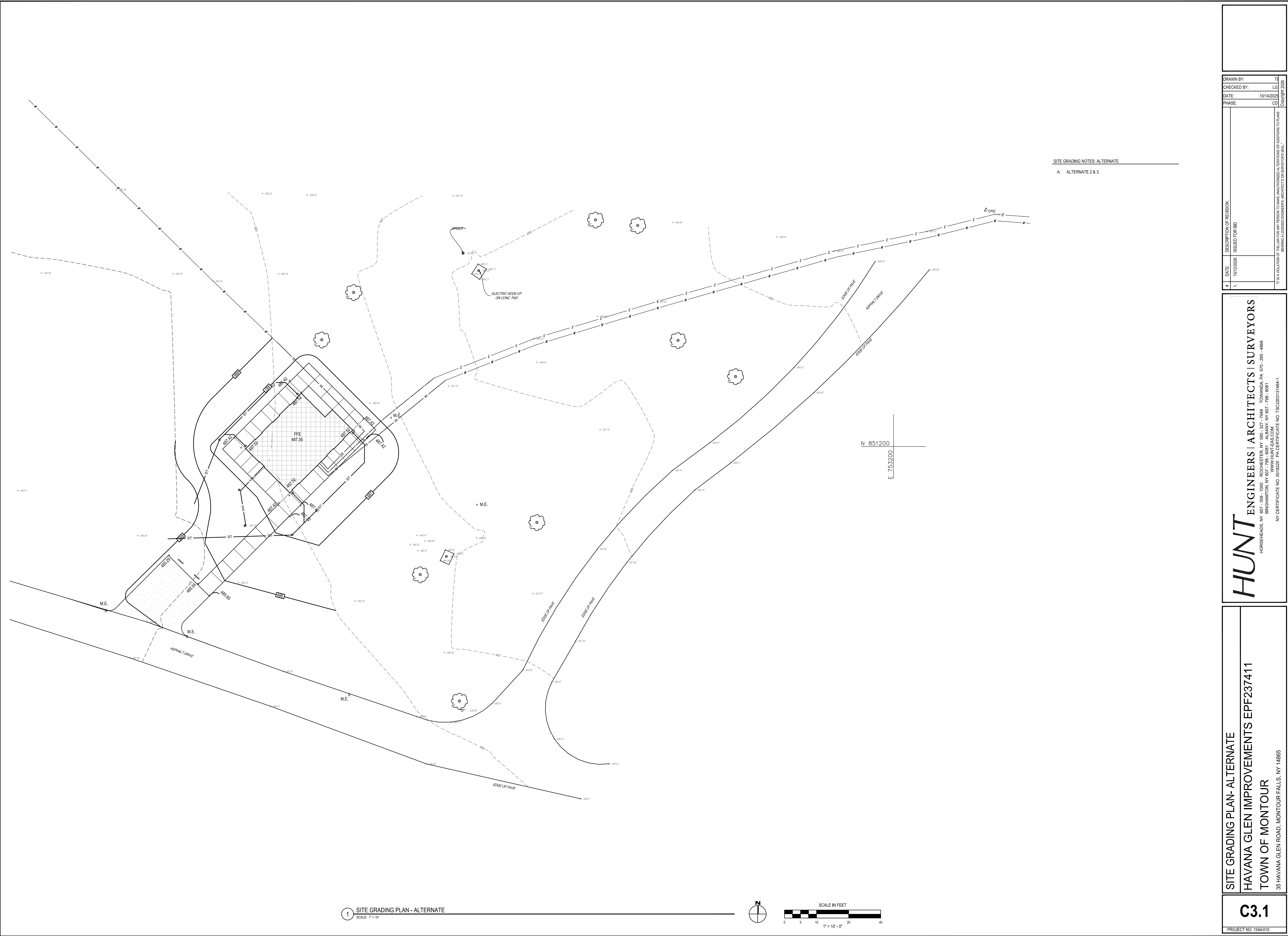


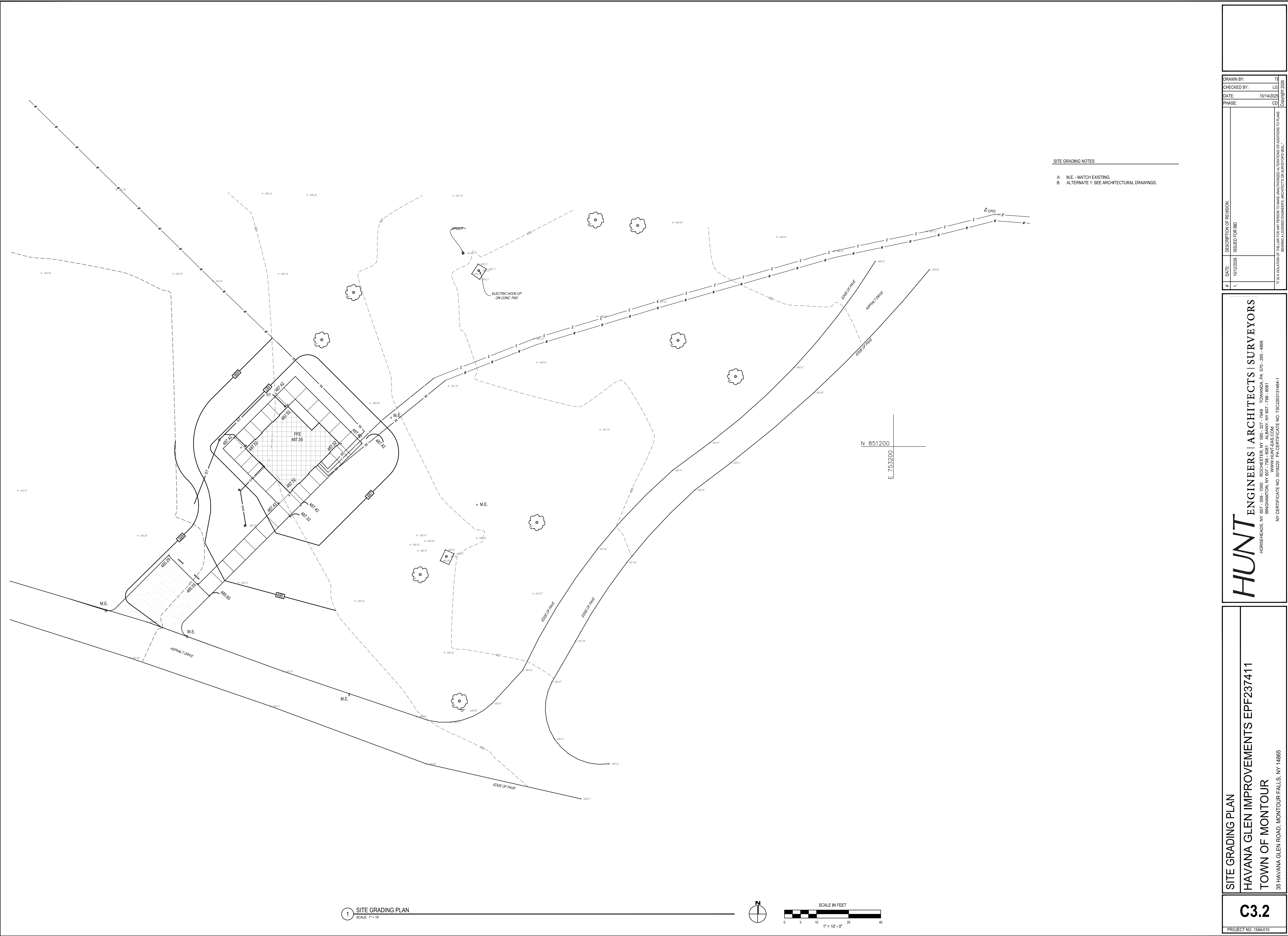
THIS IS TO CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF - THE DESIGN OF THIS PROJECT CONFORMS TO ALL APPLICABLE PROVISIONS AND BUILDING CODE, THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, AND THE NEW YORK STATE ENERGY CONSERVATION CODE.

DRAWN BY:		TRS
CHECKED BY:		MLS
DATE:		10/14/2025
PHASE:		CD
#	DATE:	DESCRIPTION OF REVISION:
1	10/22/2025	ISSUED FOR BID
THIS IS A VOUCHER OF THE LAWYER FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER, ARCHITECT OR SURVEYOR'S SEAL.		

ENGINEERS | ARCHITECTS | SURVEYORS

607-353-1000 ROCHESTER NY 585-371-7049 TOWANDA, PA 570-265-4668
BINGHAMTON, NY 607-739-6881 ALBANY, NY 607-739-6501
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SITE GRADING NOTES

- A: M.E. - MATCH EXISTING.
B: ALTERNATE 1: SEE ARCHITECTURAL DRAWINGS.

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PHASE: CD	
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SITE GRADING PLAN

HAVANA GLEN IMPROVEMENTS EPF237411

TOWN OF MONTGOMERY

35 HAVANA GLEN ROAD, MONTGOMERY FALLS, NY 14865

HUNT

ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 14865
807-758-1800
BINGHAMTON, NY 807-758-1800
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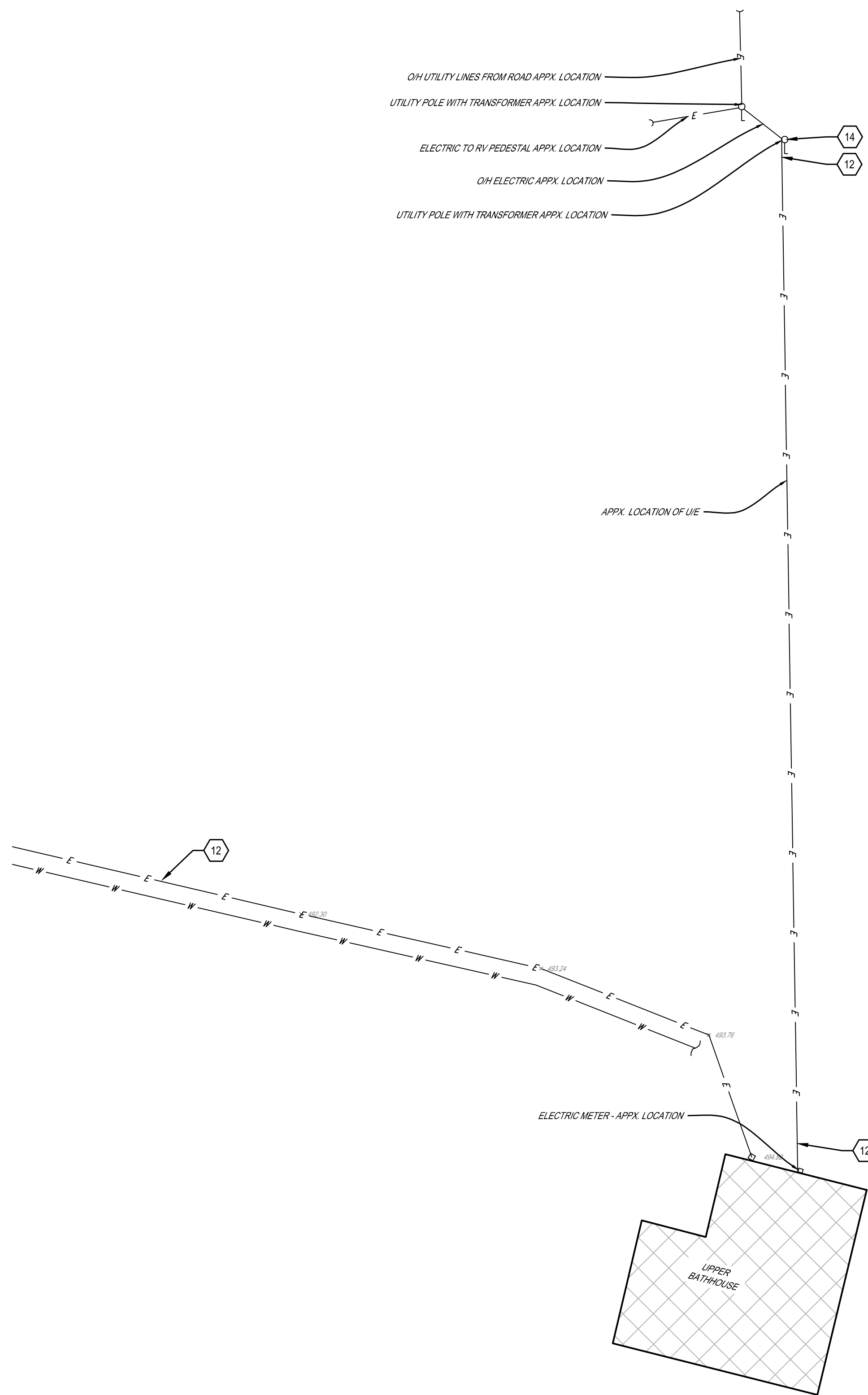
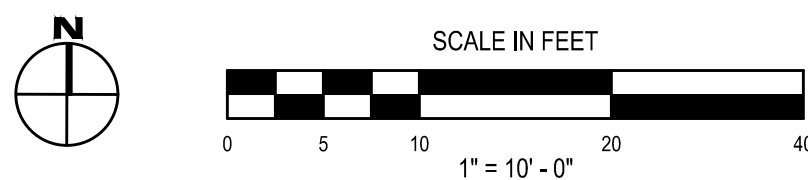
PA CERTIFICATE NO. 152220313464-1

C3.2

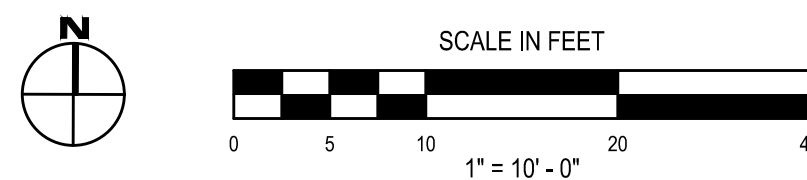
PROJECT NO. 1544-010



1 SITE UTILITY PLAN - LOWER BATHHOUSE - ALTERNATE
SCALE: 1" = 10'



2 SITE UTILITY PLAN - UPPER BATHHOUSE - ALTERNATE
SCALE: 1" = 10'



△ SITE UTILITY NOTES:

1. ALTERNATE 2: PROVIDE SCHEDULE 40 SOLID PVC STORM PIPE CONNECTION AT BUILDING. MATCH SIZE OF PIPE AT BUILDING. SEE ARCHITECTURAL DRAWINGS & DETAIL 11/A02-C5.1.
ALTERNATE 3: PROVIDE SCHEDULE 40 SOLID PVC STORM PIPE CONNECTION AT BUILDING. MATCH SIZE OF PIPE AT BUILDING. SEE ARCHITECTURAL DRAWINGS & DETAIL 11/A02-C5.1.
2. ALTERNATE 2: PROVIDE SCHEDULE 40 SOLID PVC STORM PIPE CONNECTION AT BUILDING. MATCH SIZE OF PIPE AT BUILDING. SEE ARCHITECTURAL DRAWINGS & DETAIL 11/A02-C5.1.
ALTERNATE 3: NO ROOF DRAIN OR ASSOCIATED WORK REQUIRED.
3. PROVIDE SOLID SCHEDULE 40 PVC STORM PIPE & INVERTS INDICATED ON PLAN. SEE DETAIL 6/A02-C5.1.
4. DAYLIGHT STORM SEWER PIPE IN LAWN. INVERTS INDICATED ON PLAN.
5. PROVIDE STORM SEWER CLEANOUT. SEE DETAIL 7/A02-C5.1.
6. CONNECT SANITARY PIPE AT BUILDING. MATCH SIZE OF PIPE AT BUILDING. SEE PLUMBING DRAWINGS.
7. PROVIDE 4" PVC SANITARY PIPE. SEE DETAIL 10/A02-C5.1.
8. PROVIDE NEW SANITARY PIPE CONNECTION TO EXISTING SANITARY STRUCTURE. SEE DETAIL 8/A02-C5.1.
9. CONNECT WATER PIPE AT BUILDING. MATCH SIZE OF PIPE AT BUILDING. SEE PLUMBING DRAWINGS.
10. PROVIDE WATERMAIN CROSSING SEPARATION OR WATERMAIN CONCRETE ENCASEMENT WHERE CROSSING SANITARY OR STORM LINE OR WITHIN 10' OF SAID UTILITIES. SEE DETAILS 5/A02-C5.1.
11. PROVIDE 2" PEX-A WATER MAIN. SEE DETAIL 5/A02-C5.1.
12. ELECTRIC TRENCHING/CONDUIT INSTALLATION PROVIDED BY OWNER. REFER TO DETAIL 4/C5.1.
13. APPROXIMATE PULL BOX LOCATION. PULL BOX AND INSTALLATION PROVIDED BY OWNER. REFER TO DETAIL 4/C5.1.
14. UTILITY POLE PROVIDED/INSTALLED BY OTHERS. APPROXIMATE LOCATION.

SITE UTILITY PLAN - ALTERNATE
HAVANA GLEN IMPROVEMENTS EPF237411
TOWN OF MONTOUR

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 807-363-1000
ROCHESTER, NY 866-367-1000
BINGHAMTON, NY 867-758-1800
ALBANY, NY 867-758-9351
WWW.HUNTEAS.COM
NY CERTIFICATE NO. 001820 PA CERTIFICATE NO. 15C220313464-1

C4.1

PROJECT NO. 1544-010

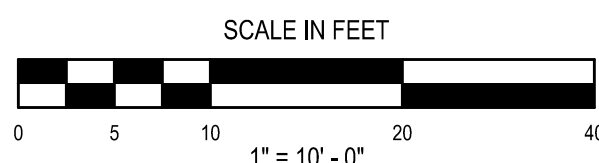
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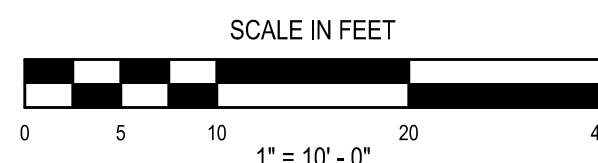
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1 SITE UTILITY PLAN - LOWER BATHHOUSE
SCALE: 1" = 10'



2 SITE UTILITY PLAN - UPPER BATHHOUSE
SCALE: 1" = 10'



△ SITE UTILITY NOTES:

1. PROVIDE SCHEDULE 40 SOLID PVC STORM PIPE CONNECTION AT BUILDING. MATCH SIZE OF PIPE AT BUILDING. SEE ARCHITECTURAL DRAWINGS & DETAIL 11/A02-C5.1.
ALTERNATE 1: PROVIDE SCHEDULE 40 SOLID PVC STORM PIPE CONNECTION AT BUILDING. MATCH SIZE OF PIPE AT BUILDING. SEE ARCHITECTURAL DRAWINGS & DETAIL 11/A02-C5.1.
2. PROVIDE SCHEDULE 40 SOLID PVC STORM PIPE CONNECTION AT BUILDING. MATCH SIZE OF PIPE AT BUILDING. SEE ARCHITECTURAL DRAWINGS & DETAIL 11/A02-C5.1.
ALTERNATE 1: NO ROOF DRAIN OR ASSOCIATED WORK REQUIRED.
3. PROVIDE SOLID SCHEDULE 40 PVC STORM PIPE & INVERTS INDICATED ON PLAN, SEE DETAIL 6/A02-C5.1.
4. DAYLIGHT STORM SEWER PIPE IN LAWN, INVERTS INDICATED ON PLAN.
5. PROVIDE STORM SEWER CLEANOUT. SEE DETAIL 7/A02-C5.1.
6. CONNECT SANITARY PIPE AT BUILDING. MATCH SIZE OF PIPE AT BUILDING. SEE PLUMBING DRAWINGS.
7. PROVIDE 4" PVC SANITARY PIPE. SEE DETAIL 10/A02-C5.1.
8. PROVIDE NEW SANITARY PIPE CONNECTION TO EXISTING SANITARY STRUCTURE. SEE DETAIL 8/A02-C5.1.
9. CONNECT WATER PIPE AT BUILDING. MATCH SIZE OF PIPE AT BUILDING. SEE PLUMBING DRAWINGS.
10. PROVIDE WATERMAIN CROSSING SEPARATION OR WATERMAIN CONCRETE ENCASEMENT WHERE CROSSING SANITARY OR STORM LINE OR WITHIN 10' OF SAID UTILITIES. SEE DETAILS 5/A02-C5.1.
11. PROVIDE 2" PEX-A WATER MAIN. SEE DETAIL 5/A02-C5.1.
12. ELECTRIC TRENCHING/CONDUIT INSTALLATION PROVIDED BY OWNER. REFER TO DETAIL 4/C5.1.
13. APPROXIMATE PULL BOX LOCATION. PULL BOX AND INSTALLATION PROVIDED BY OWNER. REFER TO DETAIL 4/C5.1.
14. UTILITY POLE PROVIDED/INSTALLED BY OTHERS. APPROXIMATE LOCATION.

OH UTILITY LINES FROM ROAD APPX. LOCATION

UTILITY POLE WITH TRANSFORMER APPX. LOCATION

ELECTRIC TO RV PEDESTAL APPX. LOCATION

OH ELECTRIC APPX. LOCATION

UTILITY POLE WITH TRANSFORMER APPX. LOCATION

APPX. LOCATION OF LIE

ELECTRIC METER - APPX. LOCATION

SITE UTILITY PLAN

HAVANA GLEN IMPROVEMENTS EPF237411

TOWN OF MONTOUR

35 HAVANA GLEN ROAD, MONTGOMERY FALLS, NY 14865

C4.2

PROJECT NO. 1544-010

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HORSEHEADS, NY 807-363-1000
ROCHESTER, NY 807-363-1000
BINGHAMTON, NY 807-758-1800
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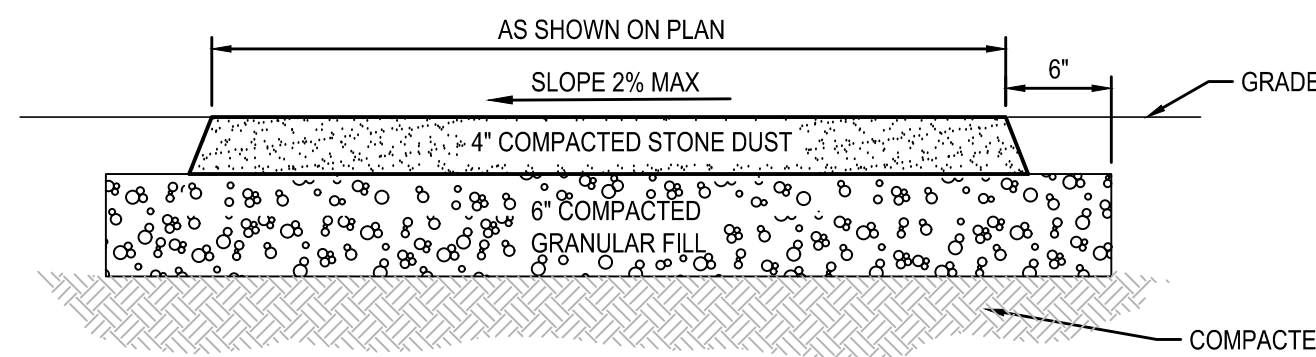
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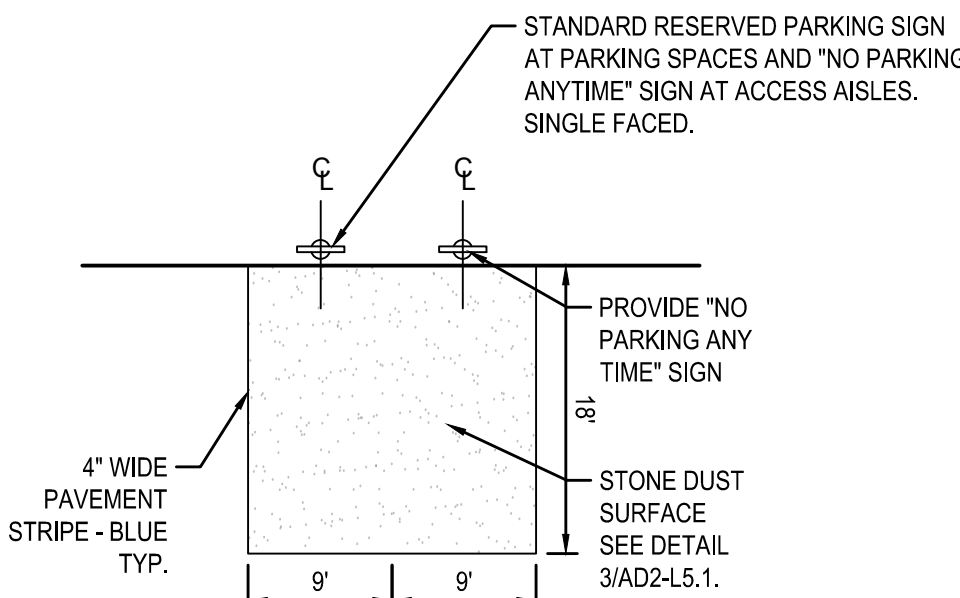
DATE: 10/12/2023

SIEVE SIZE DESIGNATION	PERCENT PASSING BY WEIGHT
(1/4) INCH	100
#10	55-75
#40	20-40
#200	7-15

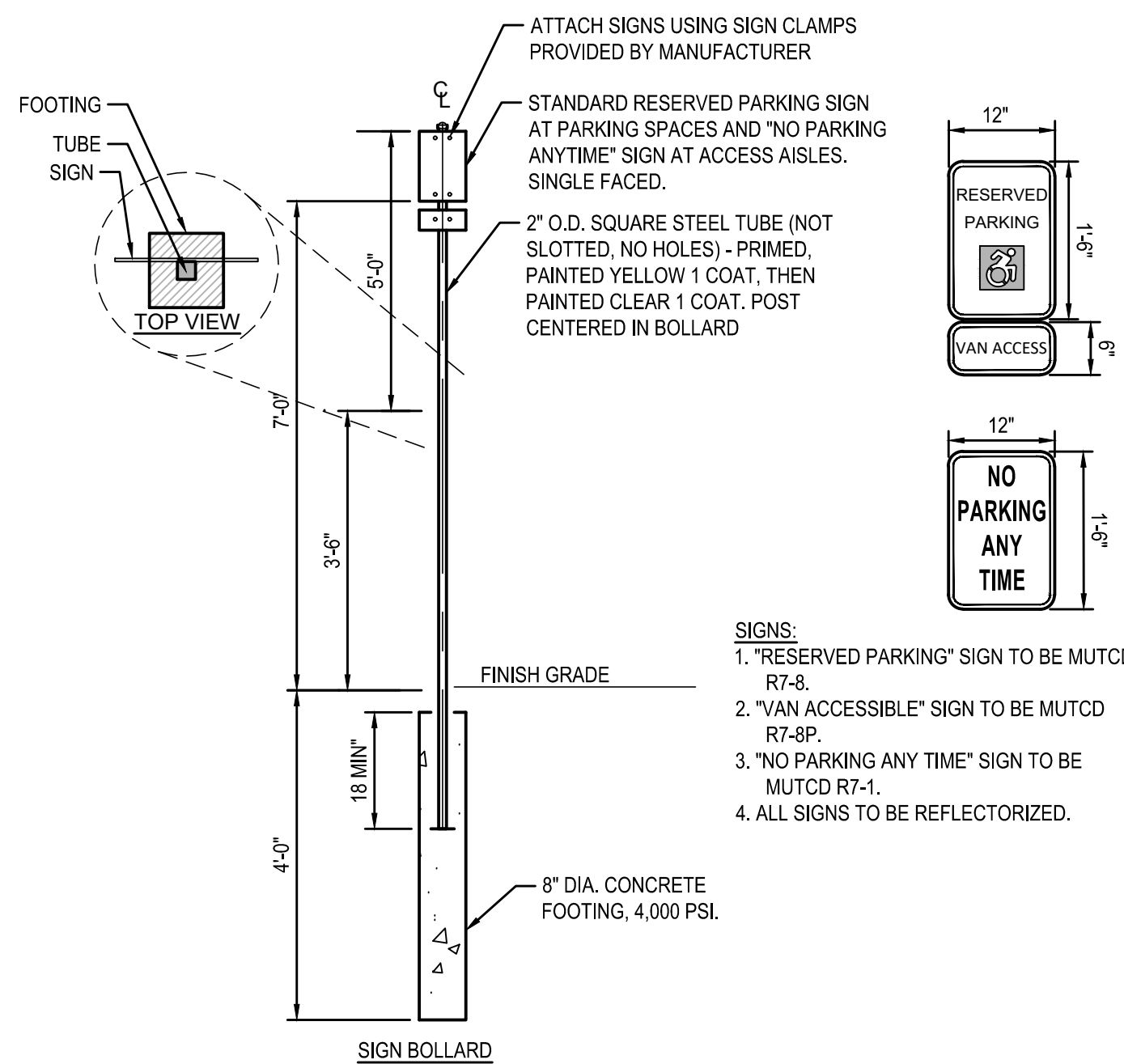
NOTES:
MATERIAL SHALL CONSIST OF CRUSHED LIMESTONE. ALL MATERIALS FURNISHED SHALL BE WELL GRADED AND FREE FROM UNSUITABLE MATERIALS. ALL PROCESSING SHALL BE COMPLETED AT THE SOURCE. STONE TO MEET GRADATION OF CHART



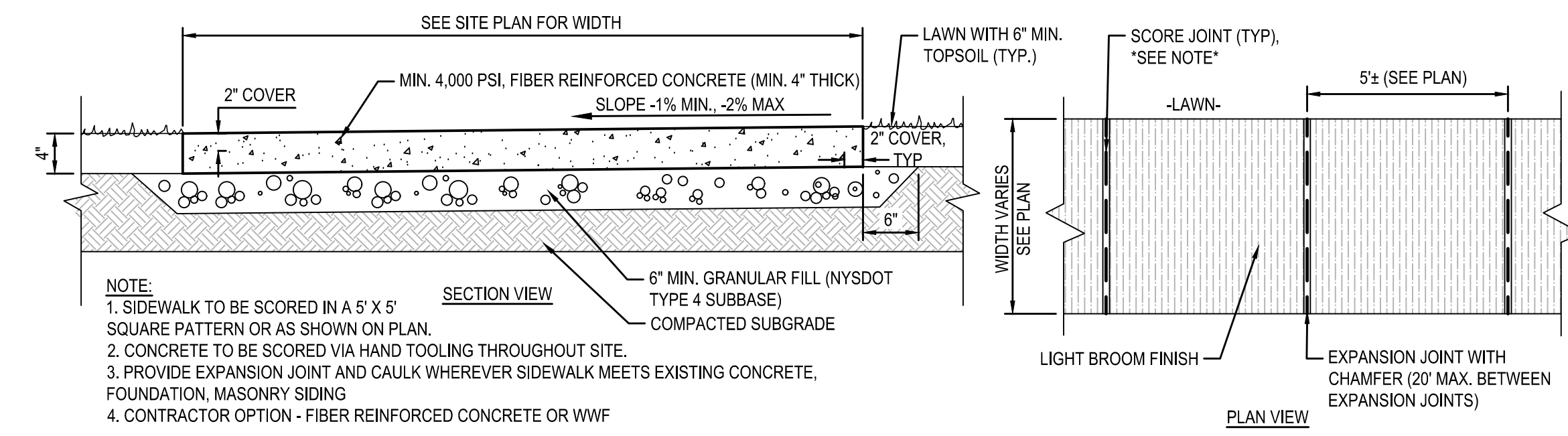
3 STONE SURFACE DETAIL
SCALE: N.T.S.



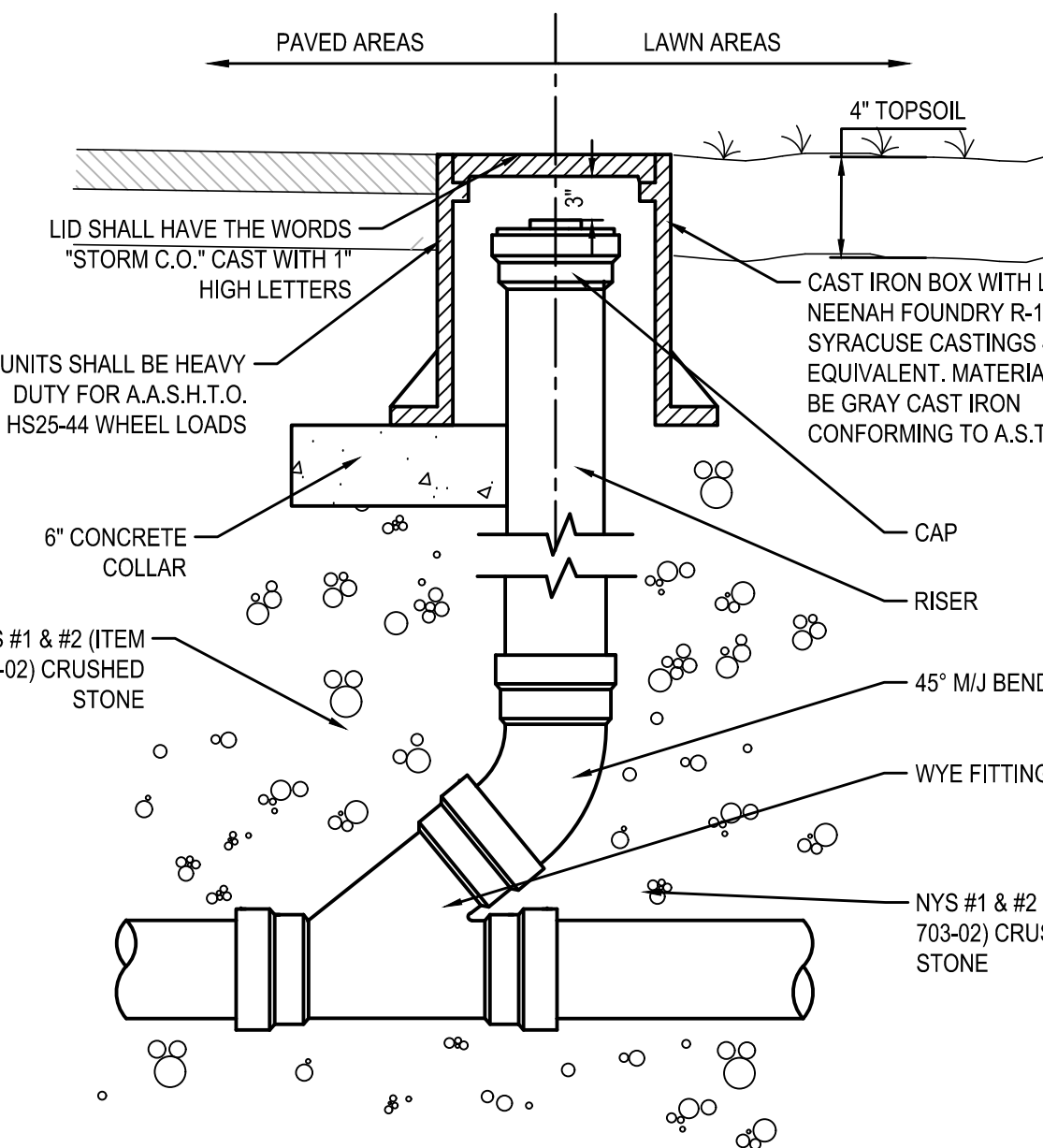
2 ACCESSIBLE PARKING SIGNAGE AND LAYOUT
SCALE: N.T.S.



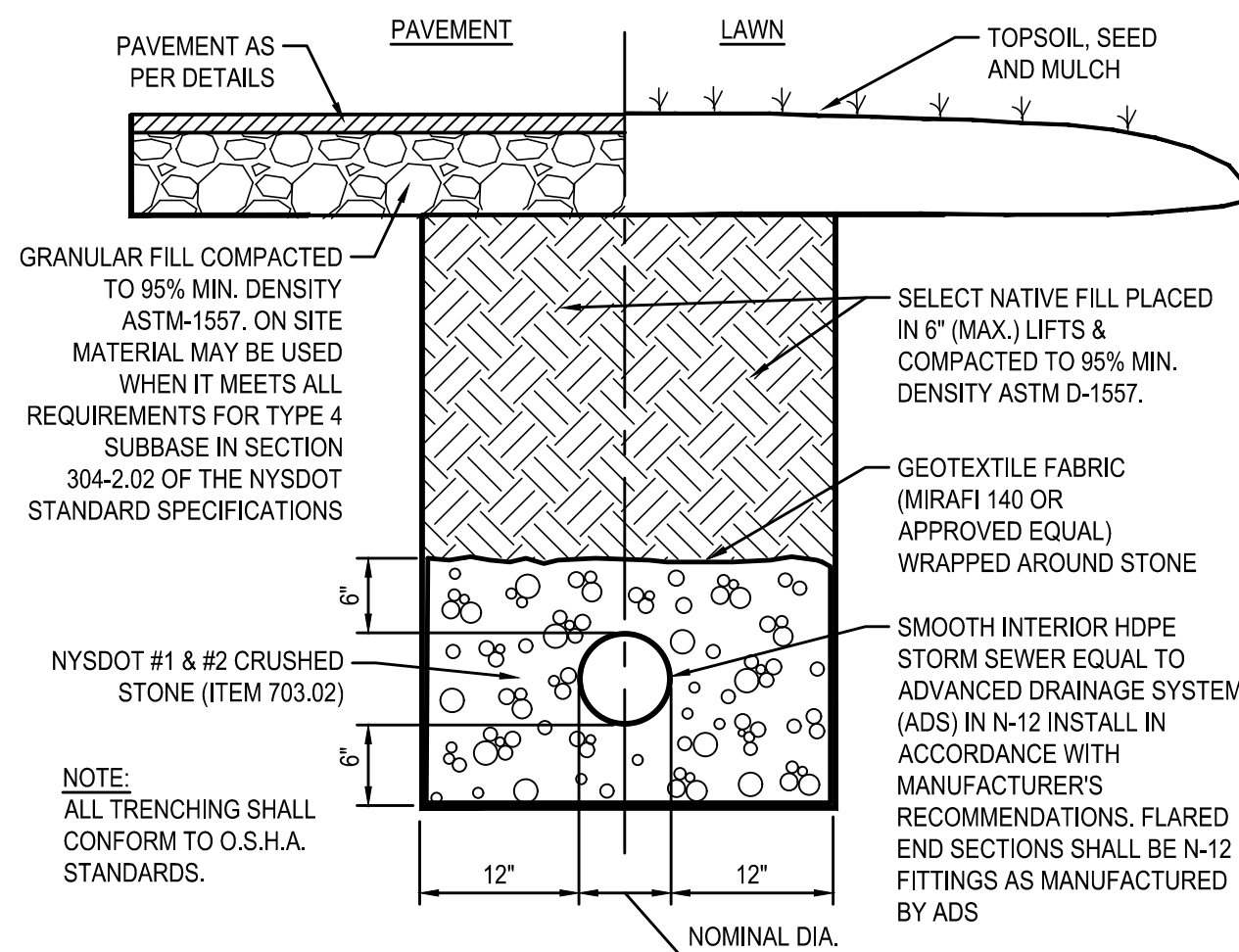
- NOTES:
1. "RESERVED PARKING" SIGN TO BE MUTCD R7-8.
2. "VAN ACCESSIBLE" SIGN TO BE MUTCD R7-6P.
3. "NO PARKING ANY TIME" SIGN TO BE MUTCD R7-1.
4. ALL SIGNS TO BE REFLECTORIZED.



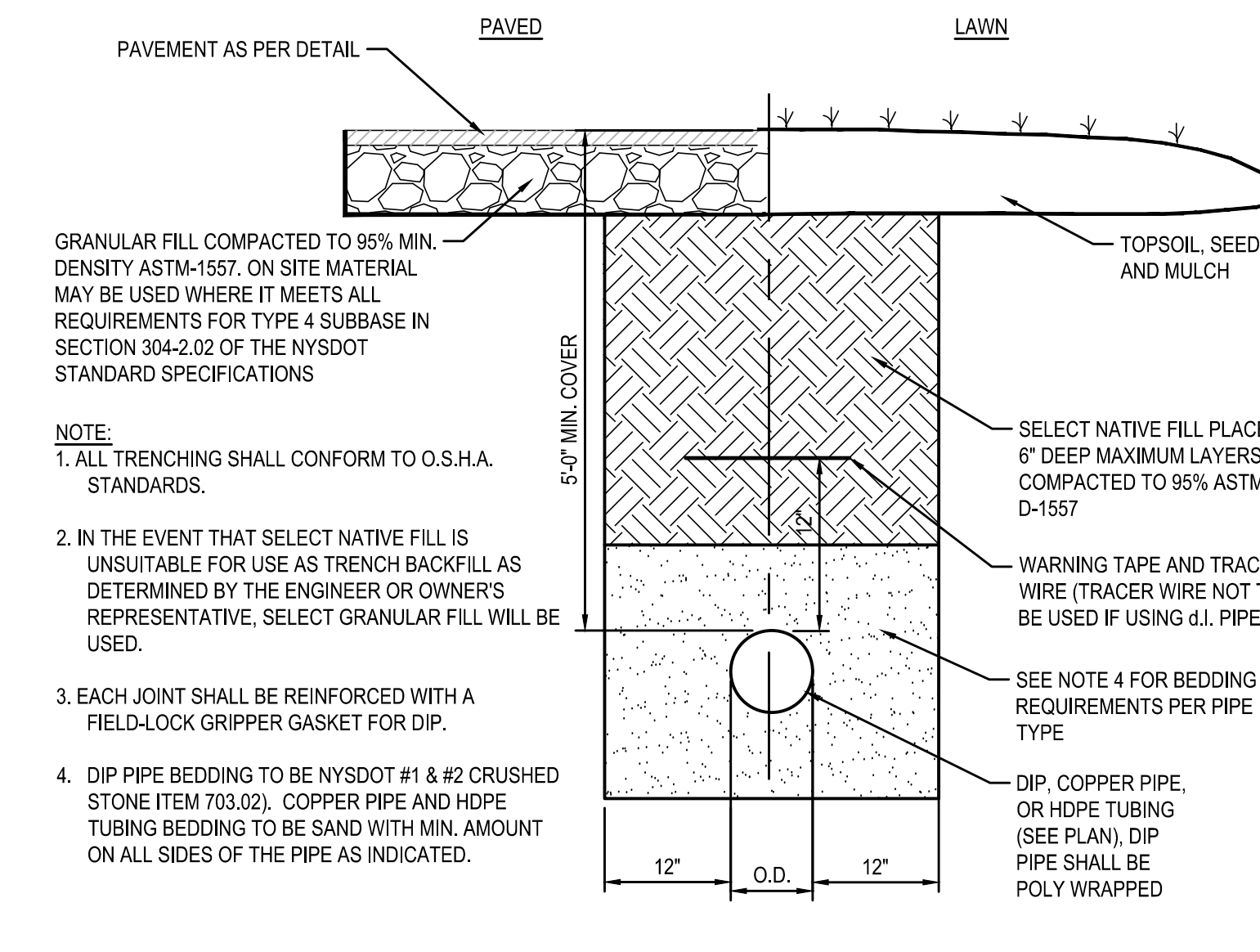
1 CONCRETE SIDEWALK DETAIL
SCALE: N.T.S.



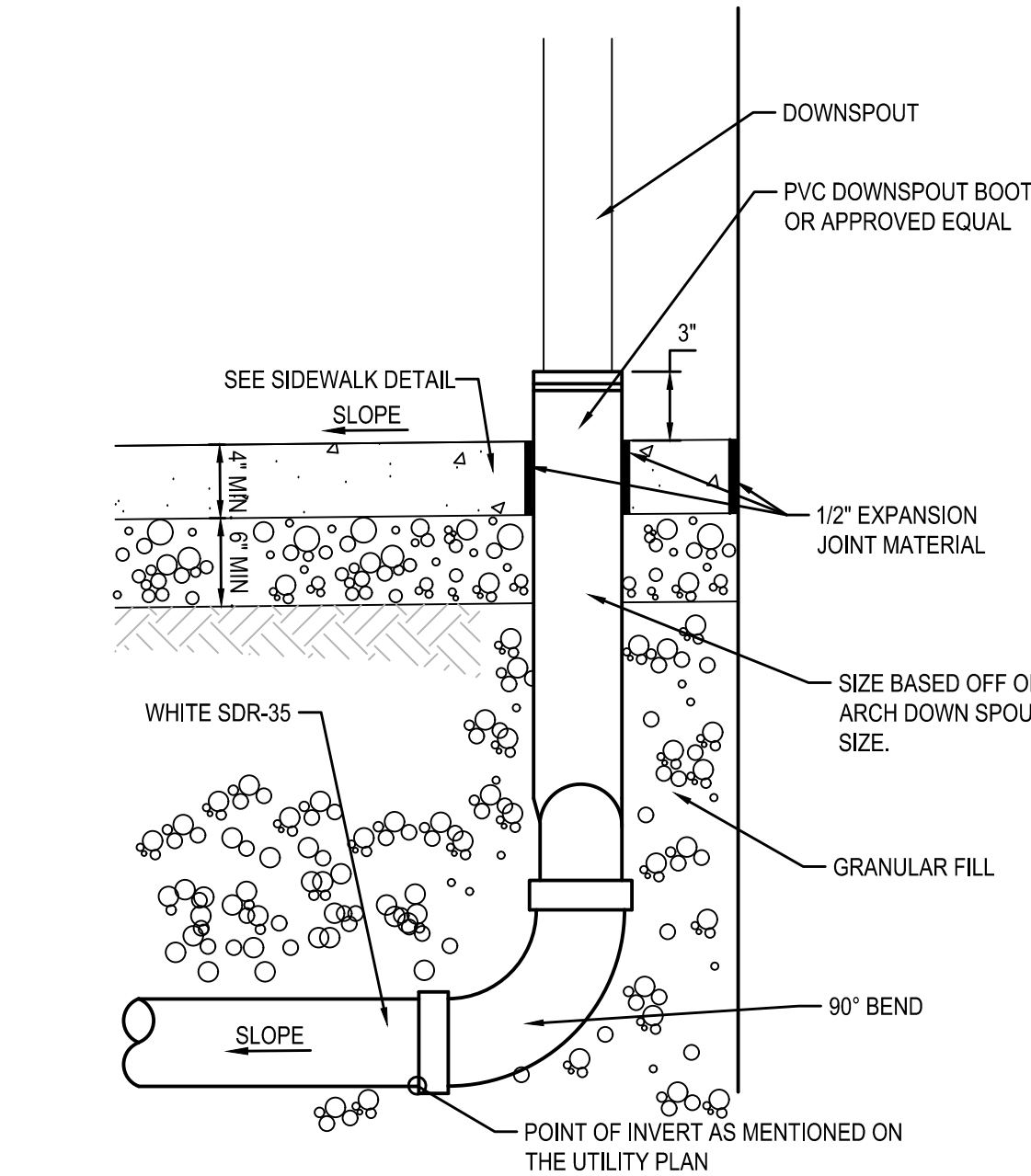
7 STORM CLEANOUT DETAIL
SCALE: N.T.S.



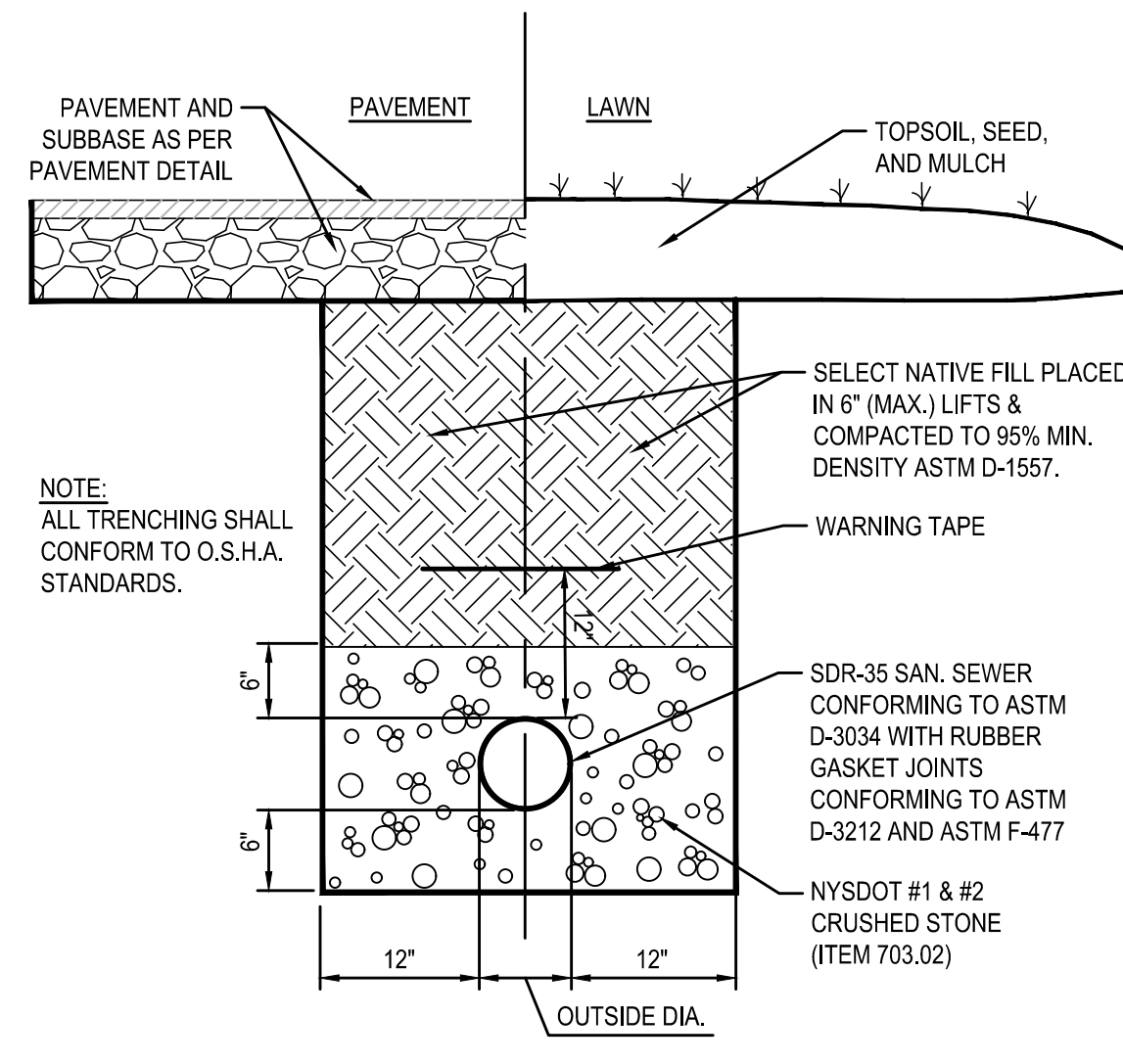
6 TYPICAL STORM TRENCH DETAIL
SCALE: N.T.S.



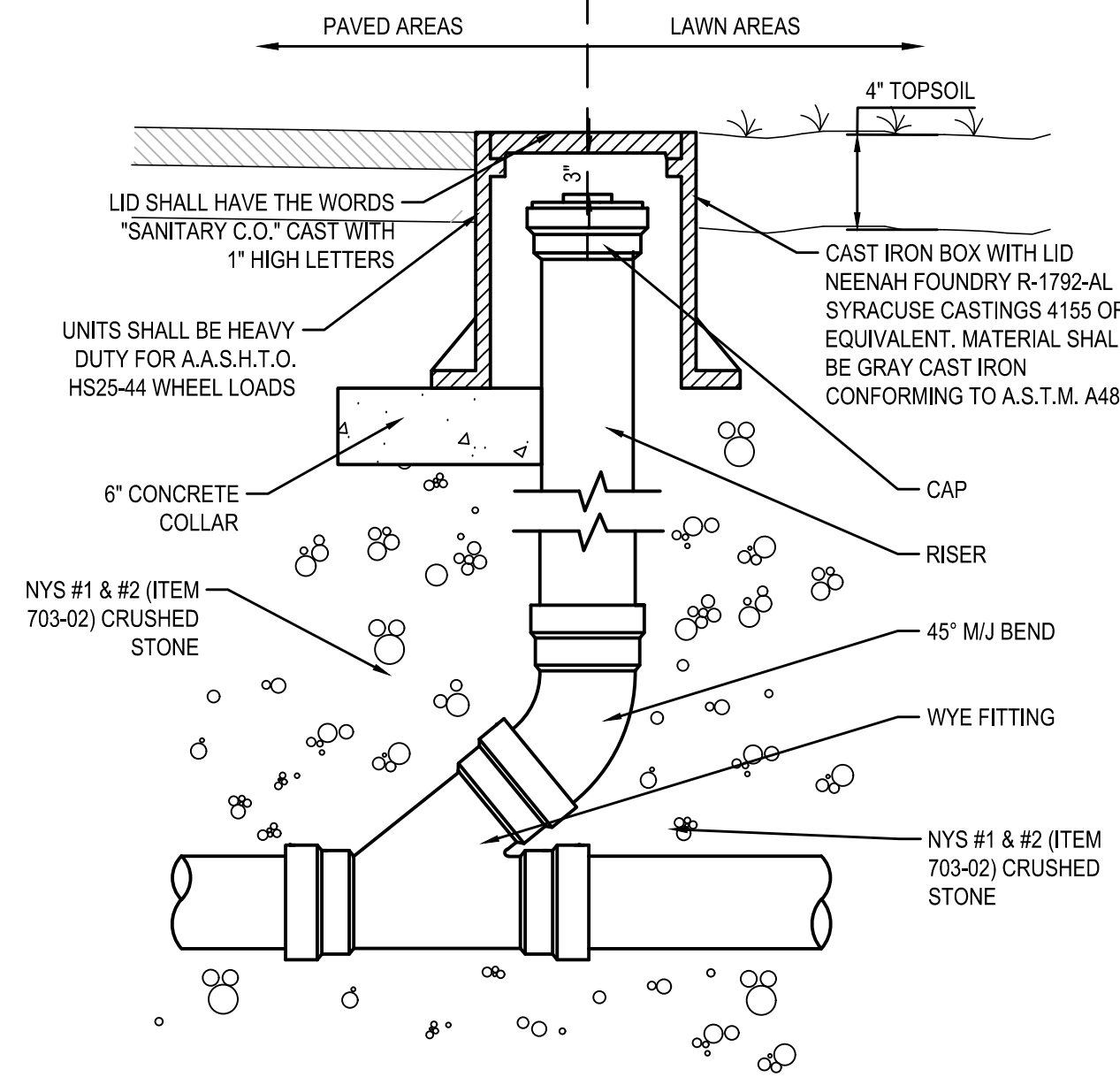
5 WATERMAIN TRENCH SECTION
SCALE: N.T.S.



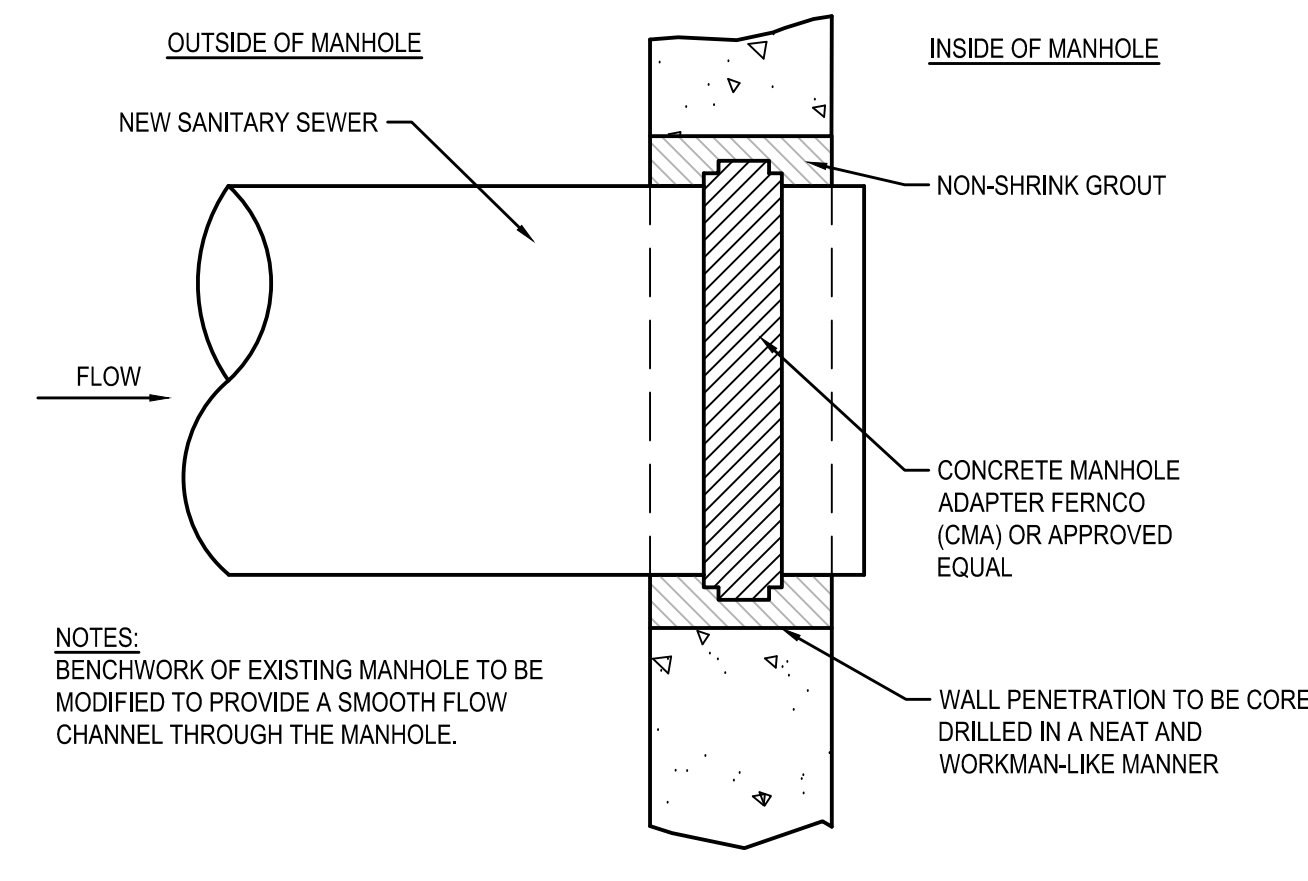
11 ROOF DRAIN ADAPTER DETAIL
SCALE: N.T.S.



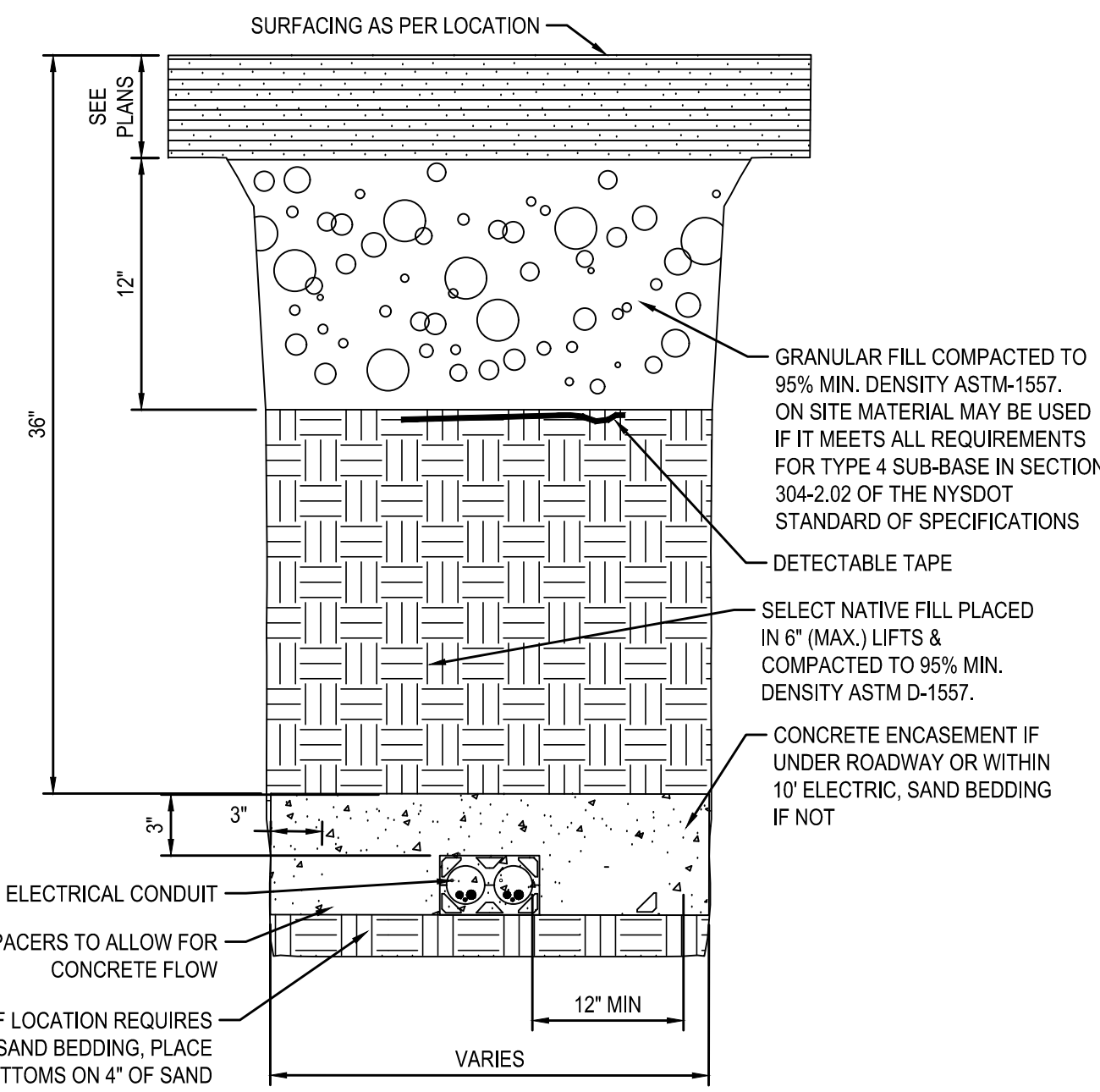
10 TYPICAL SANITARY SEWER TRENCH DETAIL
SCALE: N.T.S.



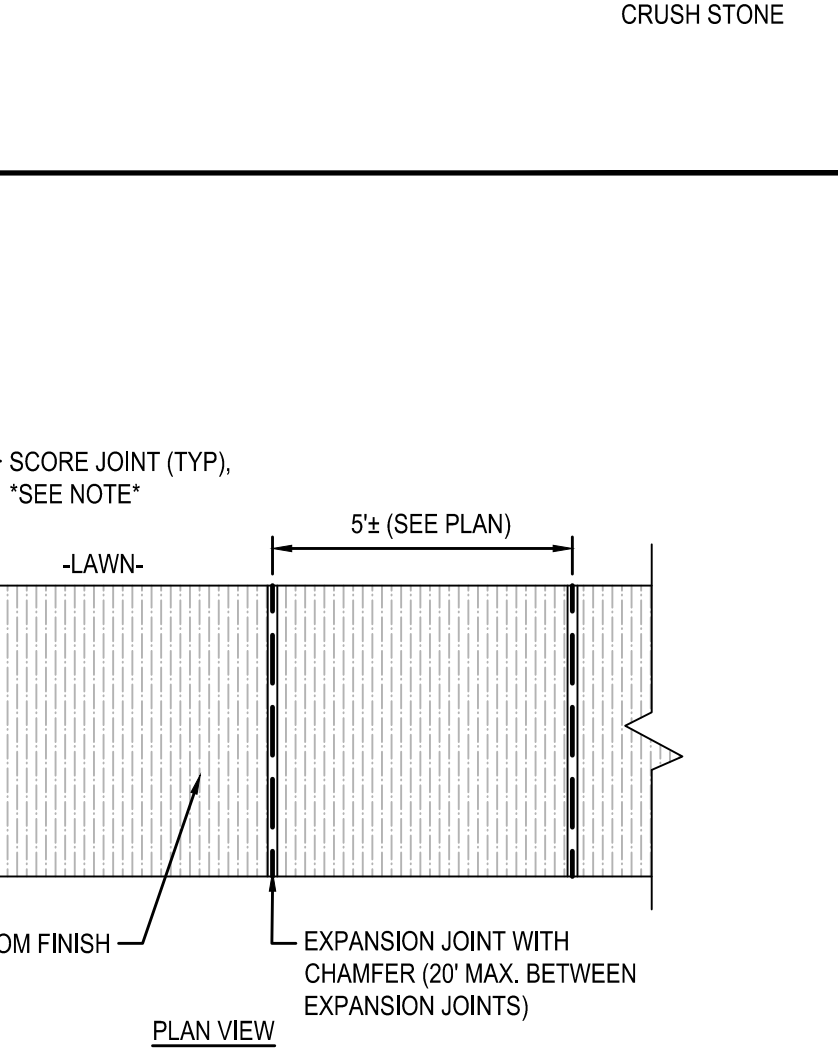
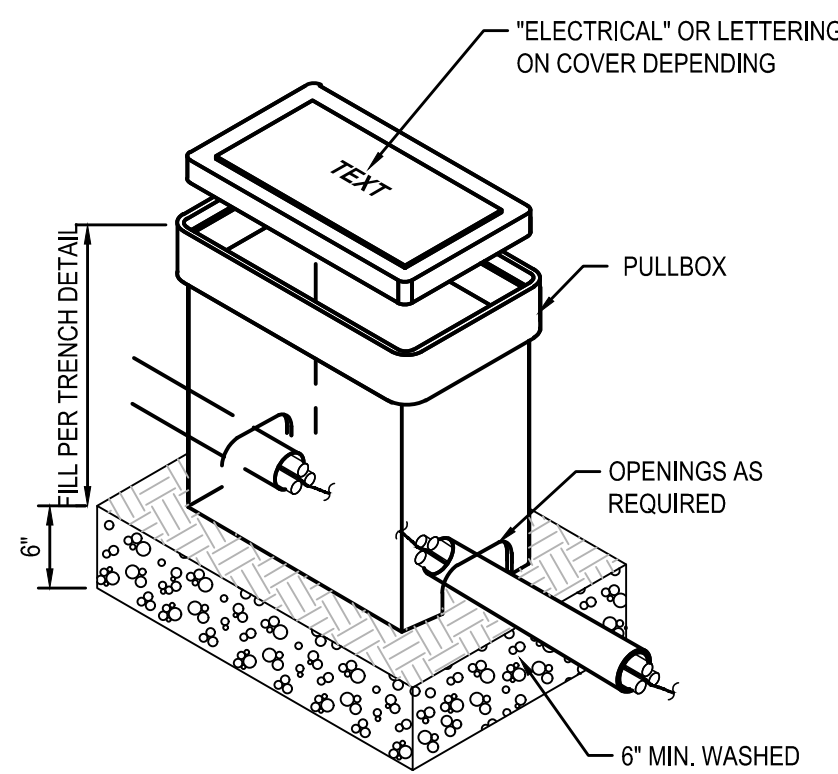
9 SANITARY CLEANOUT DETAIL
SCALE: N.T.S.

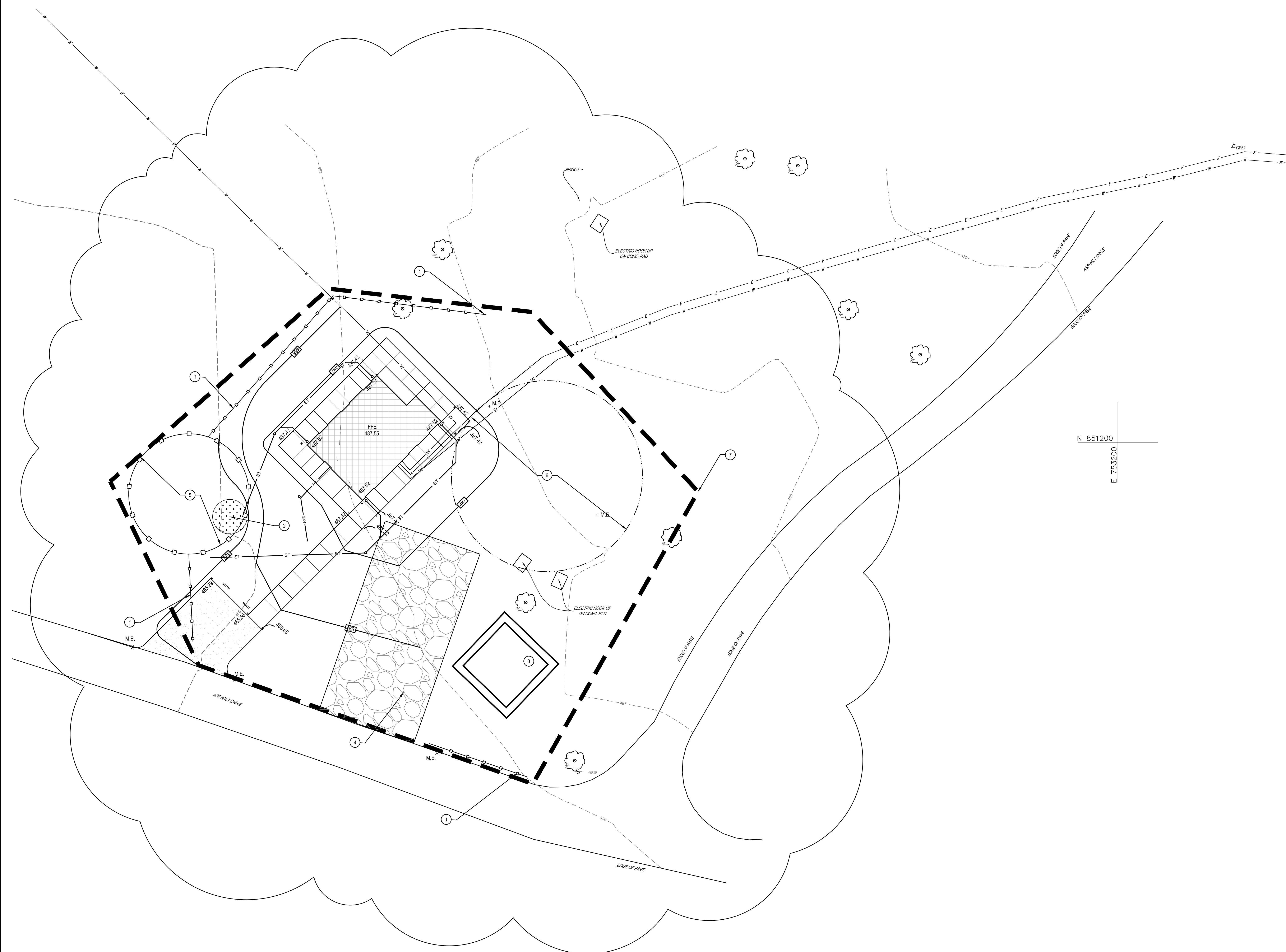


8 EXISTING SANITARY MANHOLE CONNECTION DETAIL
SCALE: N.T.S.



4 TYPICAL ELECTRICAL TRENCH DETAIL
SCALE: 1" = 10'





NOTE: SITE EROSION AND SEDIMENT CONTROL IS REQUIRED AS SHOWN. APPLICABLE TO ALTERNATES 1-3.

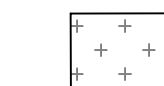
④ SITE EROSION & SEDIMENT PLAN NOTES:

1. PROVIDE SILT FENCE (TYP.). SEE DETAIL 1/C6.2.
2. PROVIDE INLET PROTECTION (TYP.). SEE DETAIL 2/C6.2.
3. PROVIDE CONCRETE WASHOUT AREA. SEE DETAIL 3/C6.2.
4. PROVIDE CONSTRUCTION ENTRANCE. CONTRACTOR TO CONFIRM FINAL LOCATION WITH DIRECTION BY THE PROPERTY OWNER. SEE DETAIL 4/C6.2.
5. FINAL SOIL STOCKPILE LOCATIONS TO BE CHOSEN BY THE CONTRACTOR AND PROPERTY OWNER. SEE DETAIL 5/C6.2.
6. FINAL STAGING AREA LOCATIONS TO BE CHOSEN BY THE CONTRACTOR AND PROPERTY OWNER.
7. LIMIT OF DISTURBANCE (±11,569 SQ.FT.).

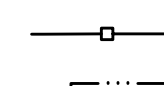
LEGEND



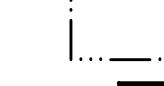
INLET PROTECTION



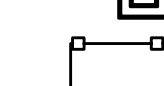
EROSION CONTROL BLANKET



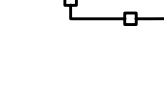
SILT SOCK



STAGING AREA



CONCRETE WASHOUT



TOPSOIL STOCKPILE



LIMIT OF DISTURBANCE

1 SITE EROSION & SEDIMENT CONTROL PLAN
SCALE: 1" = 10'



SCALE IN FEET

0 5 10 20

1" = 10' - 0"

SITE EROSION & SEDIMENT CONTROL PLAN
HAVANA GLEN IMPROVEMENTS EPF237411
TOWN OF MONTOUR

C6.1

PROJECT NO. 1544-010

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BINGHAMTON, NY 607-798-8081 ALBANY, NY 607-798-8081
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I. EROSION & SEDIMENT POLLUTION CONTROL (E & SPC) GUIDELINES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING EROSION AND SEDIMENT CONTROL TO PROTECT DOWNSTREAM WATER BODIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION CONTROL AND MAINTENANCE OF SOIL EROSION AND SEDIMENT CONTROL FACILITIES TO ENSURE PROPER FUNCTIONING OF SAID FACILITIES (DURING CONSTRUCTION).
3. AFTER THE PROJECT HAS BEEN COMPLETED, THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY FOR ENSURING THAT ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR REPLACED BY PERMANENT CONTROLS.
4. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED FOR MORE THAN FIVE (5) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL, AT A RATE OF 2.5 - 3.0 TONS PER ACRE, ACCORDING TO STATE STANDARDS.
5. PERMANENT VEGETATION TO BE SEEDDED OR SODDED ON ALL EXPOSED AREAS WITHIN FIVE (5) DAYS AFTER FINAL GRADING. MULCH AS NECESSARY FOR SEED PROTECTION AND ESTABLISHMENT. LIME AND FERTILIZE SEED BED PRIOR TO PERMANENT SEEDING.
6. EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES AND PRACTICES, UTILIZED IN THE CONSTRUCTION OF THE PROJECT, SHALL BE CONSISTENT WITH THE LATEST VERSIONS OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL, AND THE NEW YORK STATE SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES.
7. NATURAL VEGETATION SHALL BE RETAINED, PROTECTED, AND SUPPLEMENTED, AS FEASIBLE PRIOR TO AND DURING CONSTRUCTION.
8. CUT AND FILL SLOPES SHALL BE BROUGHT TO FINAL PROPOSED GRADES AS SOON AS POSSIBLE IN THE CONSTRUCTION SEQUENCES, AND SEEDDED AND MULCHED IMMEDIATELY.
9. EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES (SILT SOCK, INLET PROTECTION, STABILIZED CONSTRUCTION ENTRANCES AND ALL OTHER ACCEPTABLE FACILITIES) SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL COMPLETE SITE STABILIZATION.
10. HEAVY CONSTRUCTION EQUIPMENT SHALL BE KEPT AS CLOSE TO THE WORK AREA AS PRACTICAL TO MINIMIZE DISTURBANCE OF SOIL ALREADY STABILIZED OR UNDISTURBED.
11. TOPSOIL AND OTHER SOIL REMOVED DURING CONSTRUCTION SHALL BE STOCKPILED IN A SUITABLE LOCATION CLEAR FROM ANY STORMWATER DRAINAGE COURSES. STOCKPILES WHICH ARE INACTIVE FOR MORE THAN 5 DAYS SHALL BE SEEDDED.
12. VEGETATIVE STABILIZATION SHALL BE PERIODICALLY INSPECTED FOR SUFFICIENT GROWTH AND PROGRESS. AREAS NOT RESPONDING SHALL BE PROMPTLY RESEEDDED AND REMULCHED AS SOON AS POSSIBLE. AREAS SHOWING SIGNS OF EROSION PRIOR TO STABILIZATION SHALL BE GRADED, RESEEDDED, AND REMULCHED AS SOON AS POSSIBLE. SOO OR EROSION CONTROL FABRIC SHALL BE UTILIZED WHERE ADEQUATE STABILIZATION IS NOT OCCURRING
13. ALL PERIMETER SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED BEFORE BEGINNING EARTH MOVING ACTIVITIES, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
14. A STABILIZED CONSTRUCTION ENTRANCE PAD OF 1.5' TO 2' CLEAN STONE WILL BE PLACED AT ALL CONSTRUCTION DRIVEWAYS BEFORE INITIAL SITE DISTURBANCE.
15. THE APPLICATION OF TOPSOIL, LIMING, FERTILIZING, SEEDING, AND MULCHING FOR DISTURBED AREAS SHALL BE CONSISTENT WITH THE STANDARD GENERAL PRACTICES FOR CONSTRUCTION.
16. IMMEDIATELY FOLLOWING INITIAL DISTURBANCES OF ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E., STEEP SLOPES AND ROADWAY EMBANKMENTS, ETC.) WILL RECEIVE A TEMPORARY SEEDINGS IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 2.5 - 3.0 TONS PER ACRE.
17. AT THE TIME WHEN SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS TO BE ESTABLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER.
18. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
19. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES UNTIL ALL CONTRIBUTING AREAS HAVE BEEN PERMANENTLY STABILIZED.

II. MAINTENANCE AND REPAIR OF EROSION AND SEDIMENT FACILITIES

1. PROPER MAINTENANCE AND REPAIR OF EROSION AND SEDIMENT CONTROL FACILITIES ARE NECESSARY TO THE EFFECTIVENESS OF THE EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES.
2. DISTURBED GROUND SURFACES SHALL BE SPRINKLED WITH WATER AND/OR CARBON CHLORIDE, AS NEEDED, TO LIMIT THE FORMATION AND MIGRATION OF AIRBORNE DUST.
3. OPERATIONAL MEASURES SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT THE SPILLS OF FUELS AND LUBRICANTS. IF A SPILL OCCURS, IT SHALL BE CONTROLLED IMMEDIATELY TO PREVENT ITS ENTRY INTO OFF-SITE AREAS INCLUDING ADJACENT STORM SEWER.
4. ANY TEMPORARY EROSION CONTROL FACILITY SHALL REMAIN FUNCTIONAL UNTIL VEGETATIVE COVER IS SUFFICIENTLY ESTABLISHED WITHIN THE RESPECTIVE TRIBUTARY DRAINAGE AREA.
5. ANY DEBRIS ACCUMULATED IN EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE REMOVED AND PROPERLY DISPOSED OF. THESE FACILITIES SHALL BE CHECKED DAILY AND AFTER RAINFALL EVENTS, AND REALIGNED AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES THE FOLLOWING DEPTHS:

SILT FENCE- 1/4 HEIGHT

NOTE: DISTURBED AREAS SHALL BE CONSIDERED AS PERMANENTLY STABILIZED WHEN A MINIMUM COVER OF 80% HAS BEEN ESTABLISHED.

6. ANY EROSION AND SEDIMENT CONTROL DEVICES THAT ARE NOTED AS DEFICIENT BY AN INSPECTOR OR NYSDEC STAFF SHALL BE REPAIRED OR REPLACED WITHIN 24 HOURS OF RECEIVING NOTICE.

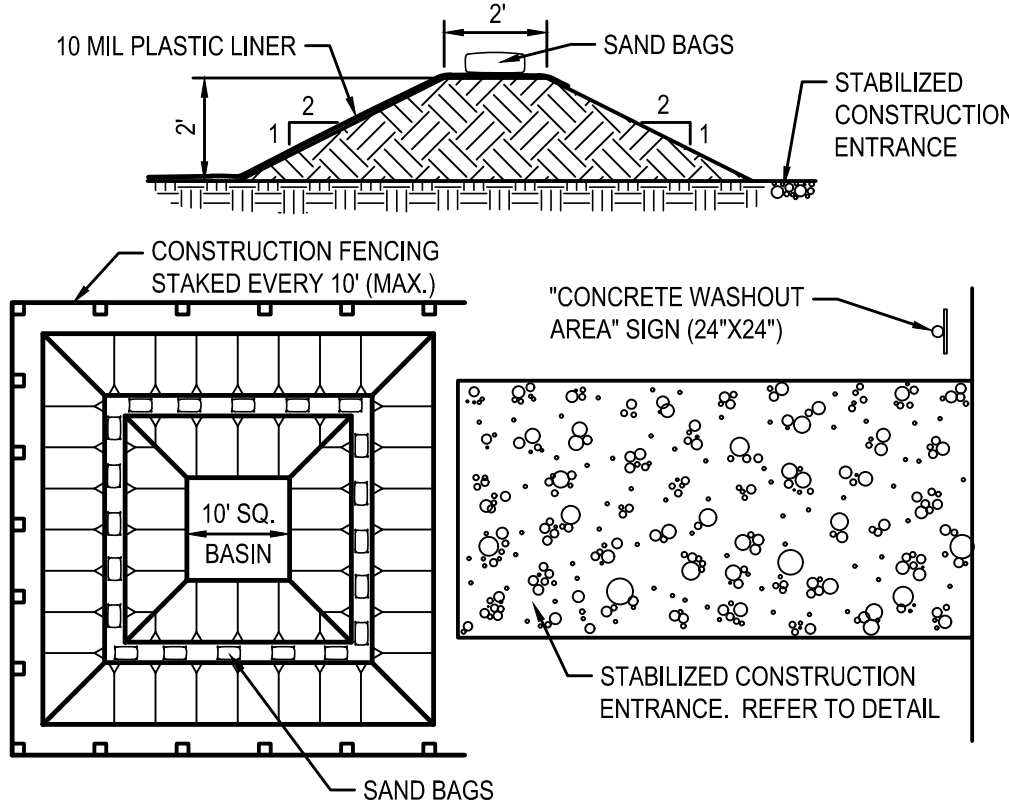
III. SOIL RESTORATION REQUIREMENTS

1. AERATION AND THE APPLICATION OF 6 INCHES OF TOPSOIL IS REQUIRED IN ANY PROPOSED LAWN AREA WHERE TOPSOIL HAS BEEN DISTURBED.
2. FULL SOIL RESTORATION IS REQUIRED IN HEAVY TRAFFIC AREAS ON SITE, ESPECIALLY BETWEEN 5 AND 25 FEET AROUND THE PROPOSED BUILDING, BUT NOT WITHIN A 5 FOOT PERMETER AROUND FOUNDATION WALLS. RESTORATION IS ALSO REQUIRED ON REDEVELOPMENT PROJECTS IN AREAS WHERE EXISTING IMPERVIOUS AREA WILL BE CONVERTED TO PERVIOUS AREA.
3. FULL SOIL RESTORATION REQUIREMENTS ARE AS FOLLOWS:
 - SOIL RESTORATION IS TO TAKE PLACE DURING PERIODS OF RELATIVELY LOW TO MODERATE SUBSOIL MOISTURE, FOLLOWING ROUGH GRADING OF THE DISTURBED SUBSOILS
 - APPLY 3 INCHES OF COMPOST OVER SUBSOIL
 - TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR-MOUNTED DISC, OR TILLER, MIXING, AND CIRCULATING AIR AND COMPOST INTO SUBSOILS
 - ROCK-PICK UNTIL UPLIFTED STONEROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEARED OFF THE SITE
 - APPLY TOPSOIL TO A DEPTH OF 6 INCHES
 - VEGETATE AS SPECIFIED ON PLANS
4. AT THE END OF THE PROJECT AN INSPECTOR SHOULD BE ABLE TO PUSH A 3/8 INCH METAL BAR 12 INCHES INTO THE SOIL JUST WITH BODY WEIGHT.
5. TILLING SHOULD NOT BE PERFORMED WITHIN THE DRIP LINE OF ANY EXISTING TREES OR OVER UTILITY INSTALLATIONS THAT ARE WITHIN 24 INCHES OF THE SURFACE.
6. ADDITIONAL INFORMATION AND GUIDANCE MAY BE FOUND IN "DEEP-RIPPING AND DECOMPACTION" PUBLISHED BY NYSDEC DIVISION OF WATER 2008.

IV. MULCHING AND SEEDING REQUIREMENTS

1. SEEDBED PREPARATION:
 - a. APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT (50%) CALCIUM PLUS MAGNESIUM OXIDES) AT A RATE OF 90 POUNDS PER 1,000 SQUARE FEET. APPLY FERTILIZER AT A RATE OF 600 POUNDS PER ACRE OR 14 POUNDS PER 1,000 SQUARE FEET USING 10-20-10 OR EQUIVALENT.
 - b. WORK LINE AND FERTILIZER INTO SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEEDBED IS PREPARED.
 - c. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACT, THE AREA MUST BE RETILLED AS ABOVE
2. SEEDING:
 - a. APPLY LAWN MIX AT A RATE PER MANUFACTURERS SPECIFICATIONS.
 - b. APPLY SEED WITH MECHANICAL SEEDER. OPTIMUM SEEDING DEPTH IS ONE INCH (EXCEPT SANDY SOILS, 2 INCHES).
 - c. WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTPAKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHALL BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT DRAG. SEEDING OPERATIONS SHOULD BE ON THE CONTOUR.
3. MULCHING
 - a. MULCH MATERIALS SHALL BE UNROTTED SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 2-1/2 TO 3 TONS PER ACRE, OR 70 TO 90 POUNDS PER 1,000 SQUARE FEET. MULCH SHOULD NOT BE GROUND OR CHOPPED INTO SHORT PIECES.
 - b. SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75 PERCENT TO 95 PERCENT OF THE SOIL SURFACE WILL BE COVERED.
 - c. MULCH ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. 1. MULCHING NETTINGS - STAPLE, JUTE OR COTTON NETTINGS TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
4. PERMANENT SEEDING TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

TEMPORARY REQUIREMENTS



- NOTES:
1. ALL TOOLS AND EQUIPMENT UTILIZED DURING ANY CONCRETE CONSTRUCTION, INCLUDING HAND TOOLS, WHEELBARROWS, TRUCKS, CHUTES SHALL UTILIZE THE CONCRETE WASHOUT AREA.
 2. WASHOUT AREA TO BE MAINTAINED AND CLEANED OUT PERIODICALLY TO PREVENT WASHWATER AND/OR SOLIDS FROM EXITING THE WASHOUT TRAP.

3. CONCRETE WASH OUT DETAIL

SCALE: N.T.S.

V. SEQUENCE OF CONSTRUCTION

THE FOLLOWING ARE STEPS REGARDING THE CONSTRUCTION AND INSTALLATION OF VARIOUS PROJECT COMPONENTS THAT WILL ASSIST IN THE CONTROL OF EROSION AND SEDIMENT CONTROL:

1. CONTRACTOR SHALL REVIEW AND DOCUMENT THE SITE.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND PERIMETER PROTECTION MEASURES (SILT SOCK, STORM INLET PROTECTION, ETC.).
3. ROUGH GRADE SITE WITH E&S CONTROL MEASURES AS SHOWN ON PLANS.
4. TEMPORARILY STABILIZE ALL DISTURBED AREAS.
5. INSTALL UTILITIES AND STORM CONVEYANCE STRUCTURES AND PIPES. PROVIDE STORM INLET PROTECTION AS INDICATED.
6. INSTALL PAVEMENT, SIDEWALK, AND ALL OTHER PROPOSED SITE IMPROVEMENTS.
7. PROVIDE PERMANENT VEGETATION ON ALL DISTURBED AREAS.
8. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS ONCE 80% STABILIZATION HAS BEEN ACHIEVED.
9. CONTRACTOR SHALL NOTIFY PROJECT DESIGN ENGINEER/ARCHITECT THAT SITE STABILIZATION IS COMPLETED.

NOTE: AT NO POINT DURING CONSTRUCTION SHALL GREATER THAN .95 ACRES OF THE PROJECT SITE BE DISTURBED AT ANY ONE TIME WITHOUT PRIOR APPROVAL.

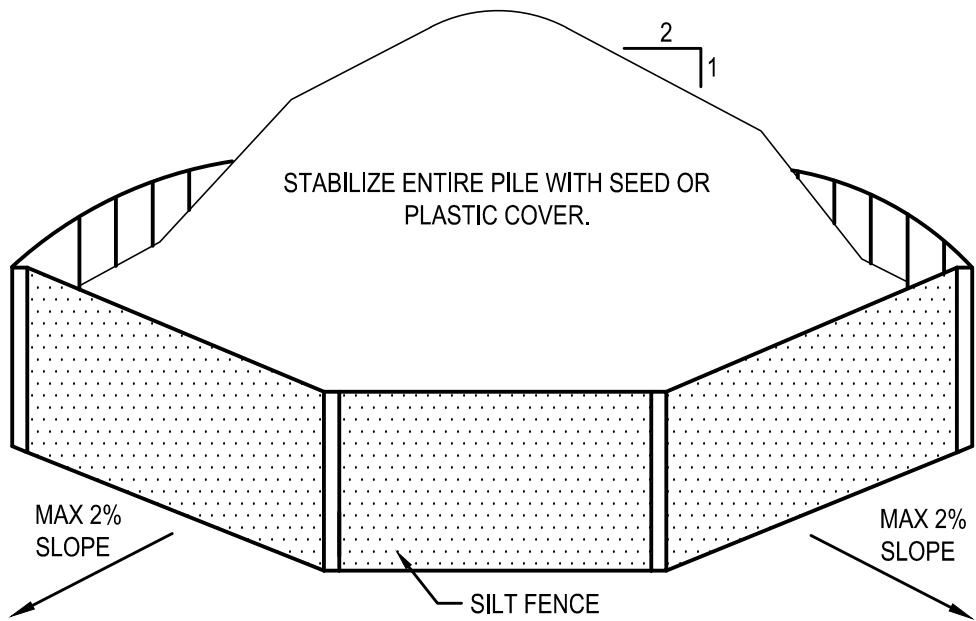
VI. TOPSOIL REQUIREMENTS

A. ON-SITE TOPSOIL:

1. EXCAVATED AND REUSED MATERIAL.
2. GRADED.
3. FREE OF ROOTS, ROCKS LARGER THAN 1/2 INCH, SUBSOIL, DEBRIS, LARGE WEEDS AND FOREIGN MATTER.
 - a. SCREENING: SINGLE SCREENED.
4. CONFORMING TO ASTM D2487.

B. IMPORTED TOPSOIL

1. IMPORTED BORROW.
2. FRIABLE LOAM.
3. REASONABLY FREE OF ROOTS, ROCKS LARGER THAN 1/2 INCH, SUBSOIL, DEBRIS, LARGE WEEDS, AND FOREIGN MATTER.
 - a. SCREENING: DOUBLE SCREENED.
4. ACIDITY RANGE (PH) OF 5.5 TO 7.5
5. CONTAINING MINIMUM OF 4 PERCENT AND MAXIMUM OF 25 PERCENT INORGANIC MATTER.
6. CONFORMING TO ASTM D2487.
7. LIMIT DECAYING MATTER TO 5 PERCENT OF TOTAL CONTENT BY VOLUME.

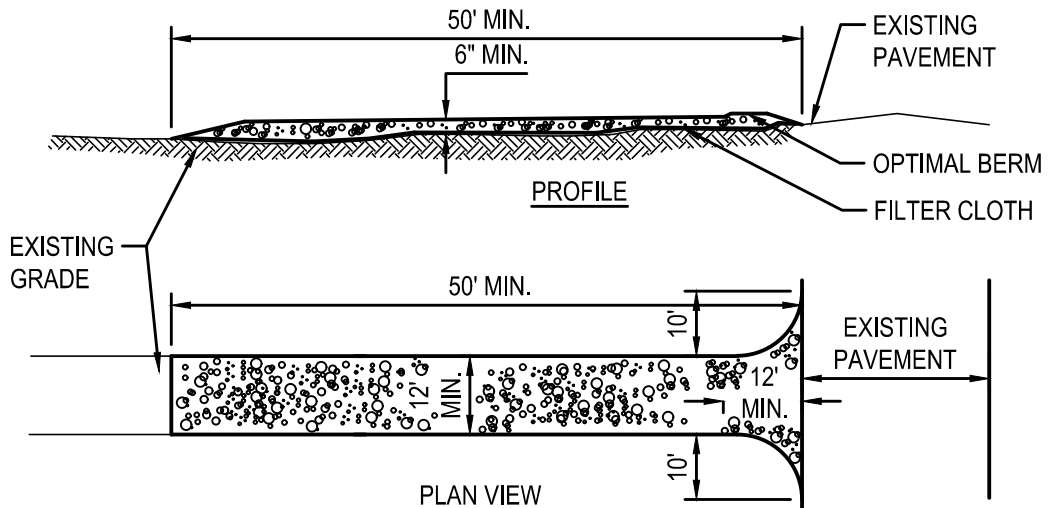


SOIL STOCKPILING NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING AND THEN STABILIZED WITH SEED OR SECURED IMPERVIOUS COVER.
4. SEE SILT FENCE INSTALLATION DETAIL.

5. SOIL STOCKPILE AREA DETAIL

SCALE: N.T.S.

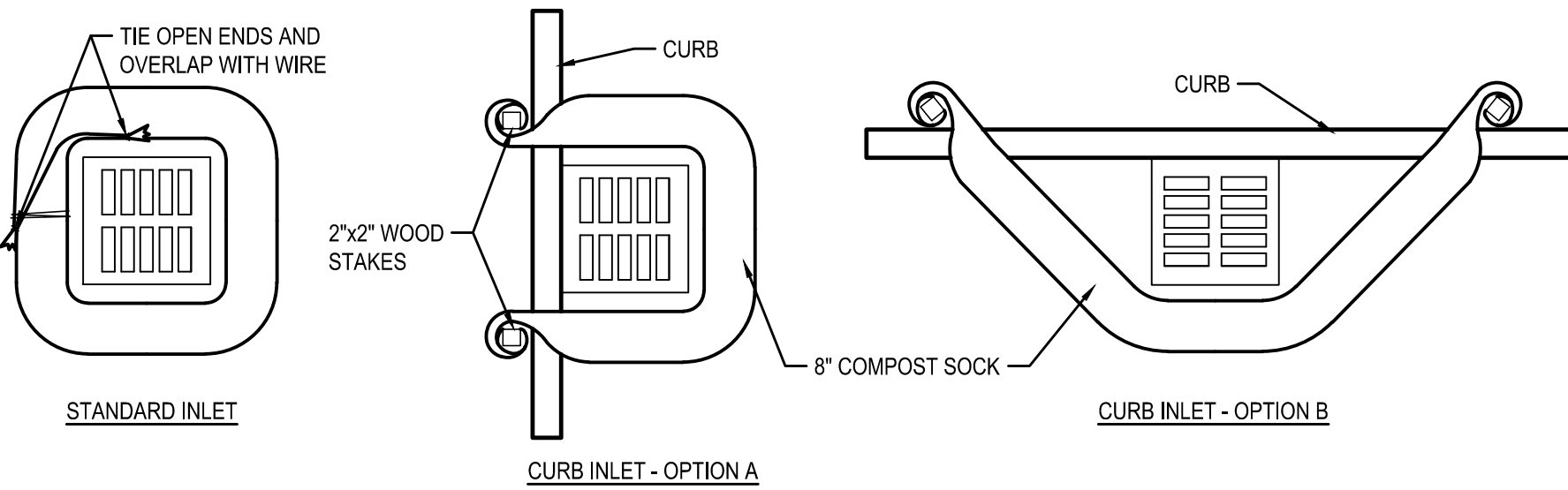


NOTES:

1. STONE SIZE - USE 3'-4" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET.
3. THICKNESS - NOT LESS THAN 6 INCHES.
4. WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT THE POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIRECTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANST OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

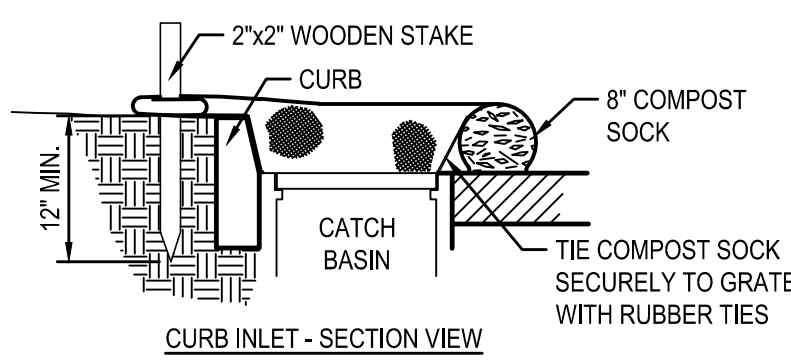
4. CONSTRUCTION ENTRANCE

SCALE: N.T.S.



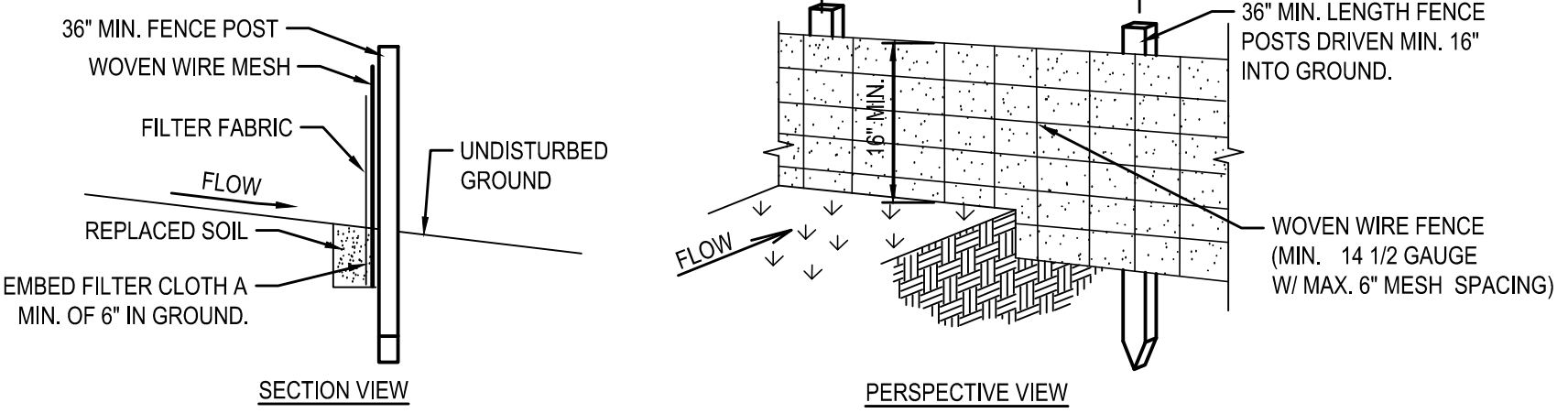
INSTALLATION NOTES:

1. COMPOST SOCKS SHALL BE INSTALLED PRIOR TO ANY LAND-DISTURBING ACTIVITIES.
2. COMPOST SOCKS SHALL BE "SILT SOCK", "FILTEREXX" OR OTHER APPROVED FILTER FABRIC SOCK.
3. COMPOST SOCKS SHALL BE FILLED WITH WOOD CHIPS OR COMPOST. SEE SPECIFICATIONS FOR APPROVED COMPOSITION OF WOOD CHIPS OR COMPOST.
4. COMPOST SOCKS SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
5. COMPOST SOCK SHALL BE IN CONSTANT CONTACT WITH THE GROUND SURFACE.
6. WOOD STAKES SHALL BE USED TO SECURE THE WATTLES. 1/2" TO 5/8" REBAR IS ALSO ACCEPTABLE. BE SURE TO USE A STAKE THAT IS LONG ENOUGH TO PROTRUDE SEVERAL INCHES ABOVE THE WATTLE.
7. EXCESS FABRIC SHALL BE WRAPPED AROUND THE STAKES.
8. FOR INLETS NOT ON A CURB THE COMPOST SOCK SHALL BE TIED OFF AT BOTH ENDS WITH TIE WIRE AND OVERLAPPED TO PROVIDE SUITABLE PROTECTION.



MAINTENANCE

SEDIMENT ACCUMULATED BEHIND WATTLE SHALL BE REMOVED ENOUGH TO PROTRUDE SEVERAL INCHES ABOVE THE WATTLE.

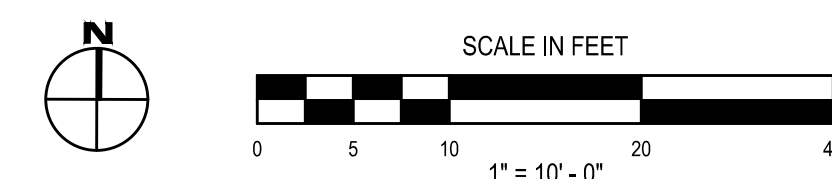
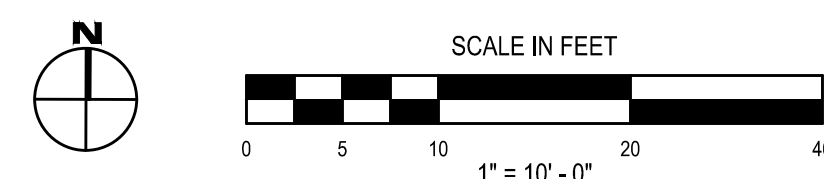


NOTES:

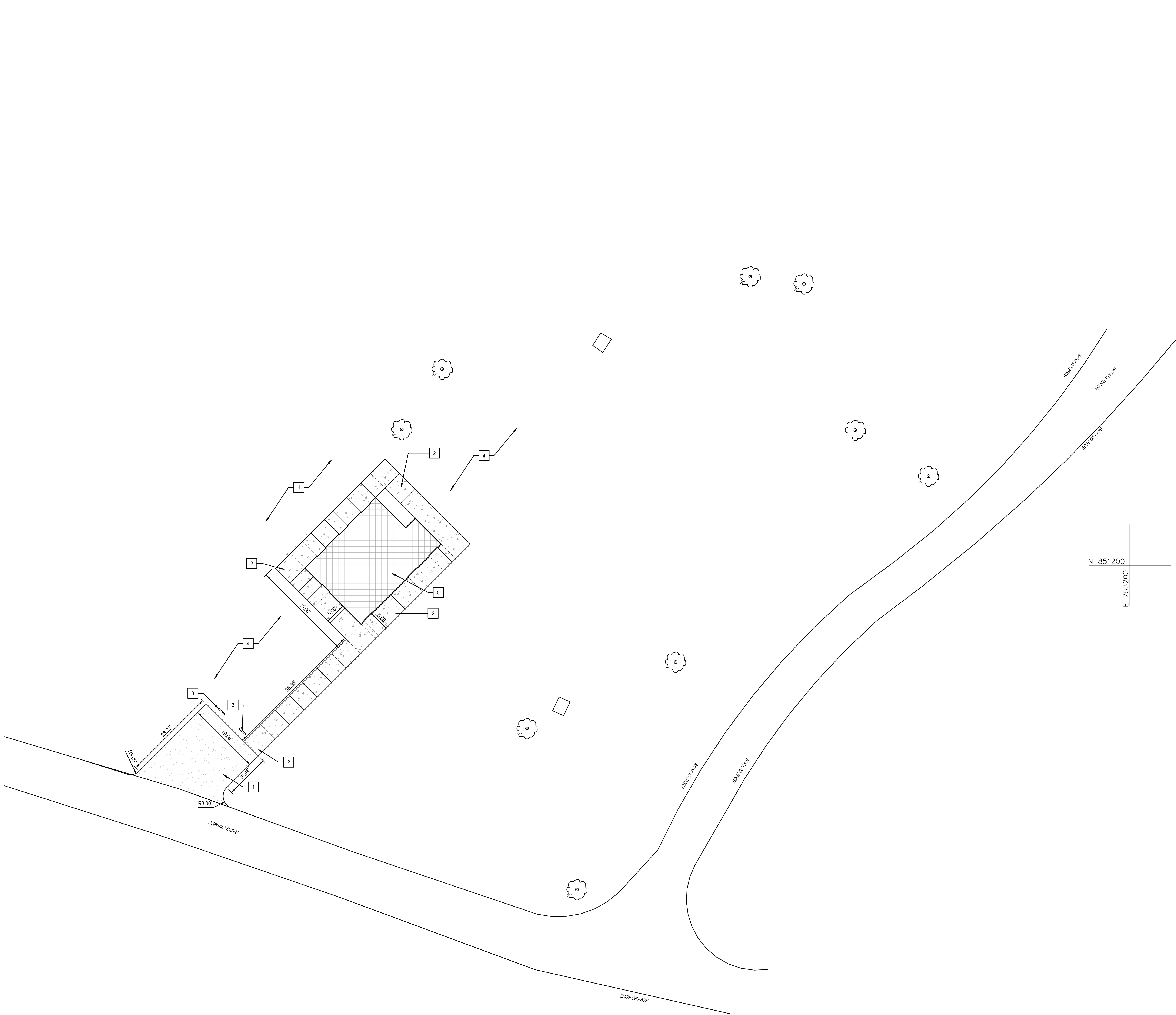
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POST WITH WIRE TIRES OR STAPLES. POSTS SHALL BE HARDWOOD OR STEEL OF EITHER "T" OR "U" TYPE.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENINGS.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUAL.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

1. SILT FENCE DETAIL

SCALE: N.T.S.



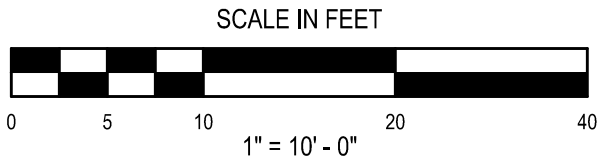
- C1.1**
- PROJECT NO. 1544-010



- SITE IMPROVEMENT NOTES: ALTERNATE 2 & 3.
1. ALTERNATE 2: PROVIDE GRAVEL PAVEMENT. SEE DETAIL 2/C5.1.
 2. ALTERNATE 2: PROVIDE 4" THICK, FIBER REINFORCED CONCRETE SIDEWALK. SEE DETAIL 1/C5.1.
 3. ALTERNATE 2: PROVIDE ACCESSIBLE PARKING SIGNAGE. SEE DETAIL 2/C5.1.
 4. ALTERNATE 2: TOPSOIL, SEED, AND MULCH ALL DISTURBED LAWN AREAS.
 5. ALTERNATE 2: PROVIDE RESTROOM. SEE ARCHITECTURAL DRAWINGS. ALTERNATE 3: SEE ARCHITECTURAL DRAWINGS.

IMPROVEMENTS LEGEND:	
	GRAVEL SURFACING
	CONCRETE SIDEWALK
	PROPOSED BUILDING

1 SITE IMPROVEMENT PLAN - ALTERNATE
SCALE: 1" = 10'



SITE IMPROVEMENT PLAN - ALTERNATE
HAVANA GLEN IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD, MONTOUR FALLS, NY 14865

C2.1

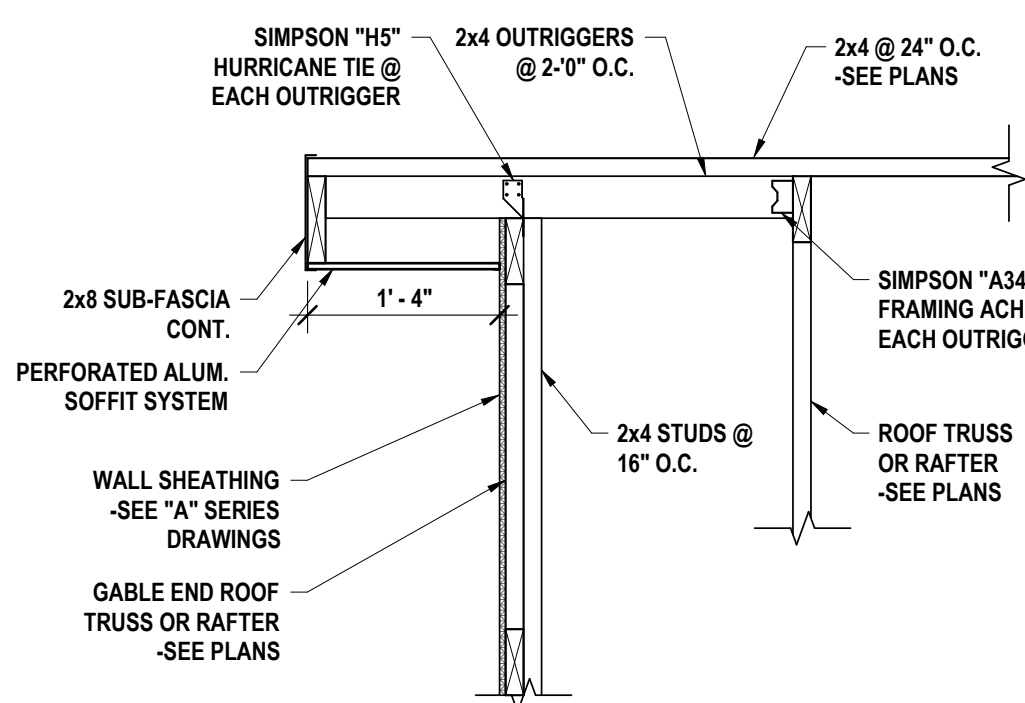
PROJECT NO. 1544-010

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 13091
807-758-1800
WWW.HUNTEAS.COM
PA CERTIFICATE NO. TSC220313464-1

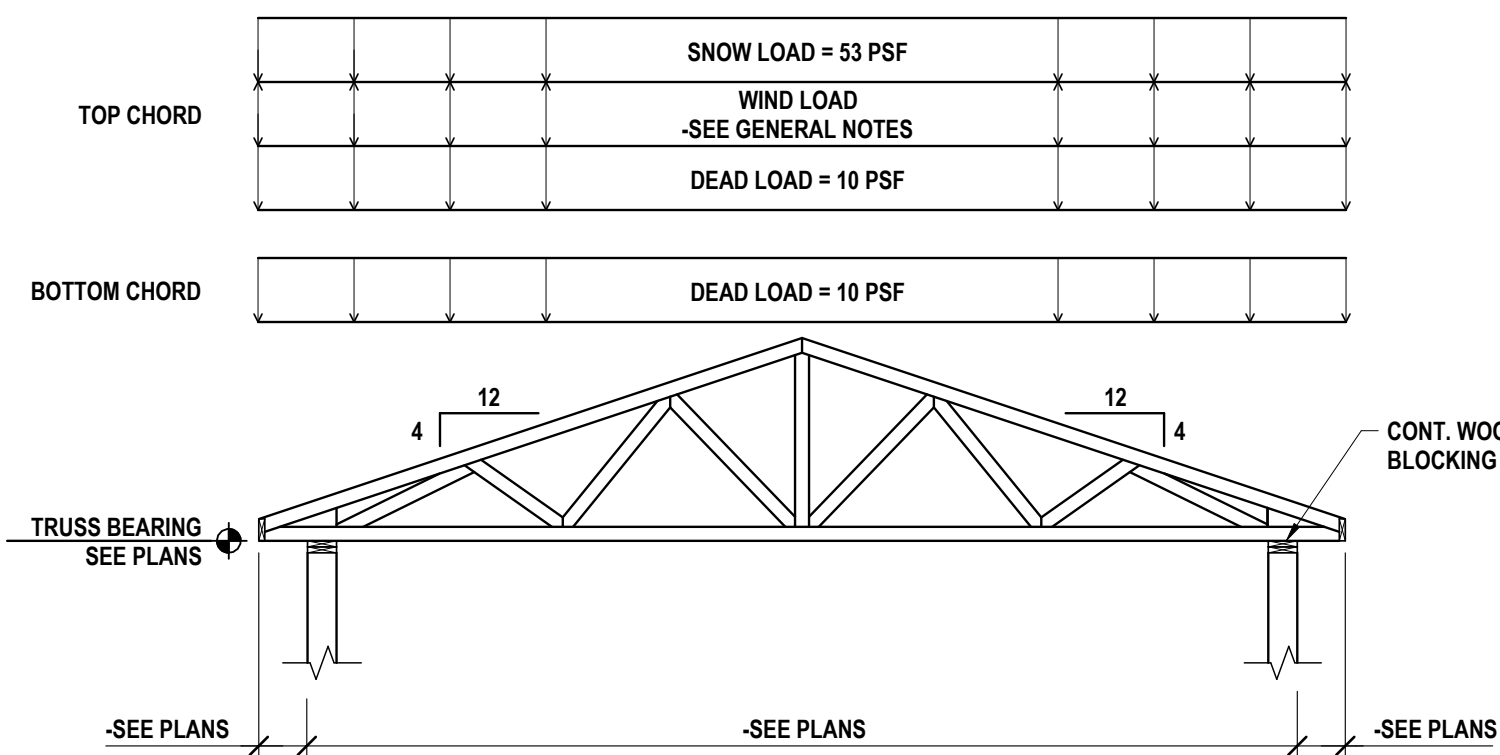
DESCRIPTION OF REVISION	
#	DATE
1.	10/12/2026
ISSUED FOR BID	
DRAWN BY: T	
CHECKED BY: L.G.	
DATE: 10/14/2026	
PHASE: CD	

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS
BEARING A LICENSED ENGINEER'S ARCHITECT'S OR SURVEYOR'S SEAL

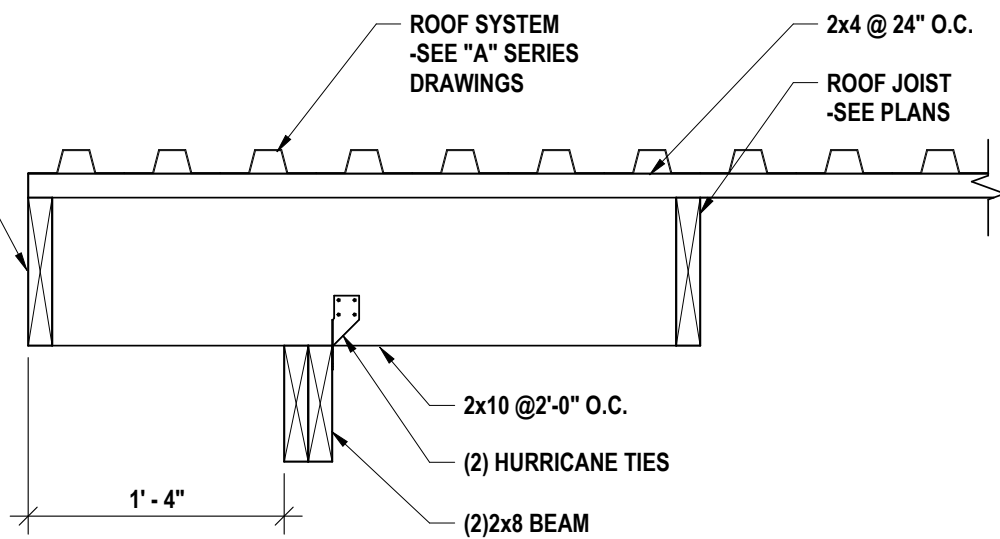
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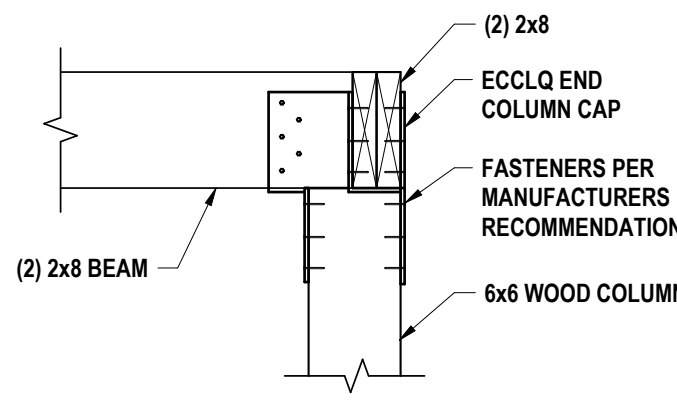
7 OUTRIGGER DETAIL
3/4" = 1'-0"



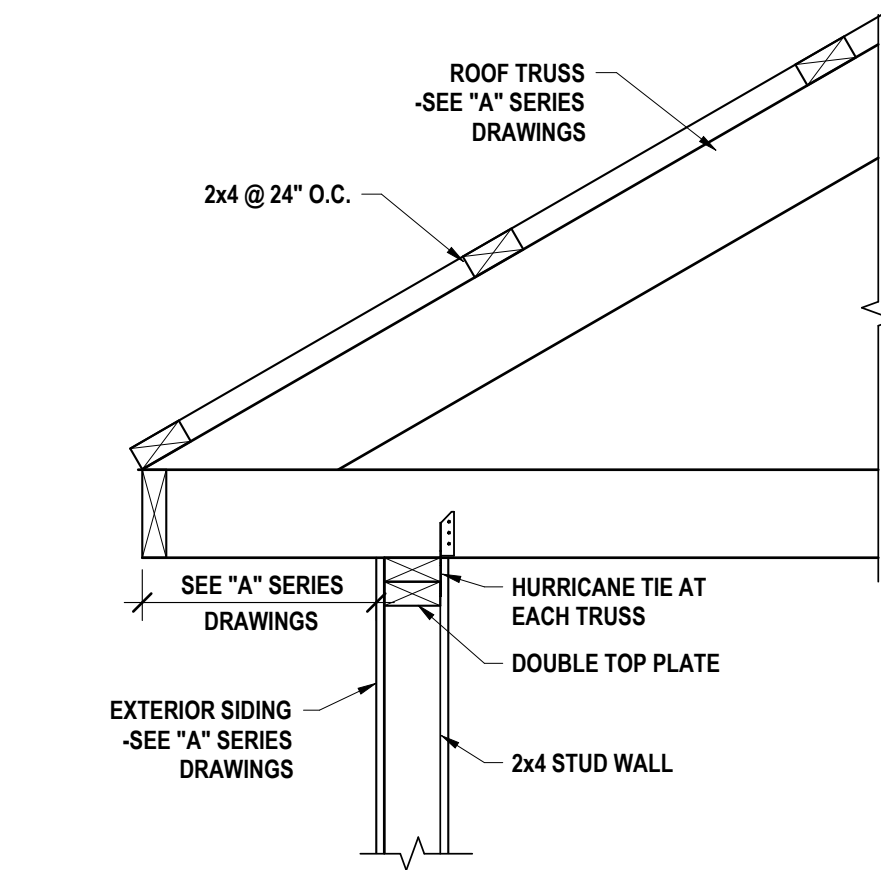
10 TRUSS LOADING DIAGRAM "T1" (BASE BID & ALTERNATE #2)
3/4" = 1'-0"



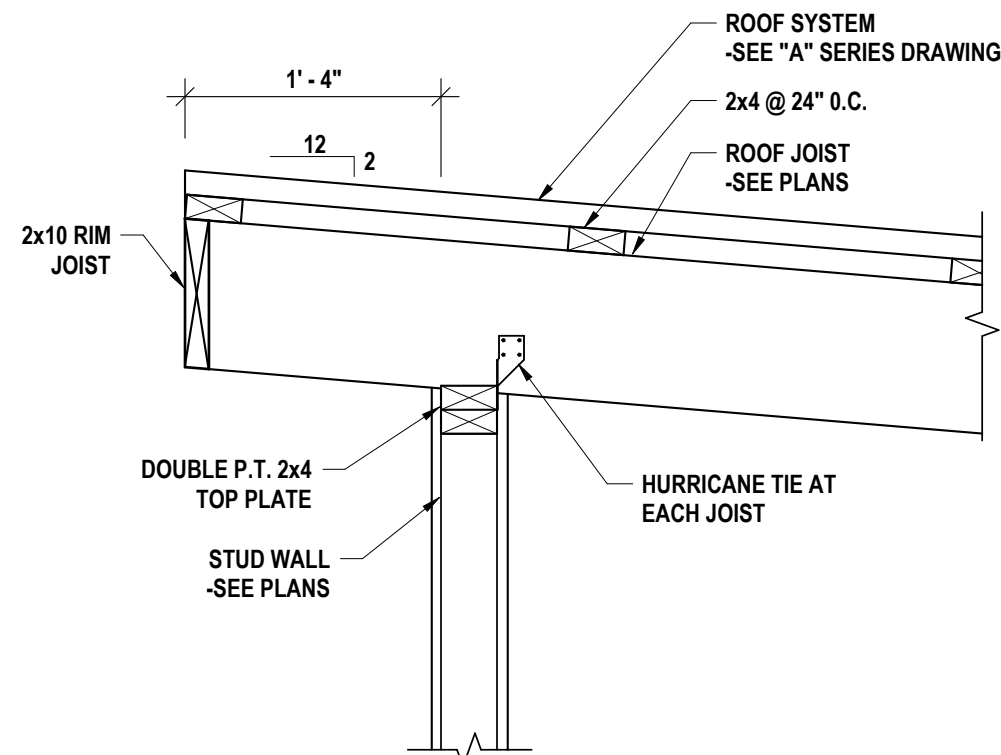
15 ROOF EDGE AT ALCOVE (ALTERNATES #1 & #3)
1" = 1'-0"



6 BEAM AT COLUMN
1" = 1'-0"



9 ROOF EDGE DETAIL (BASE BID & ALTERNATE #2)
1" = 1'-0"

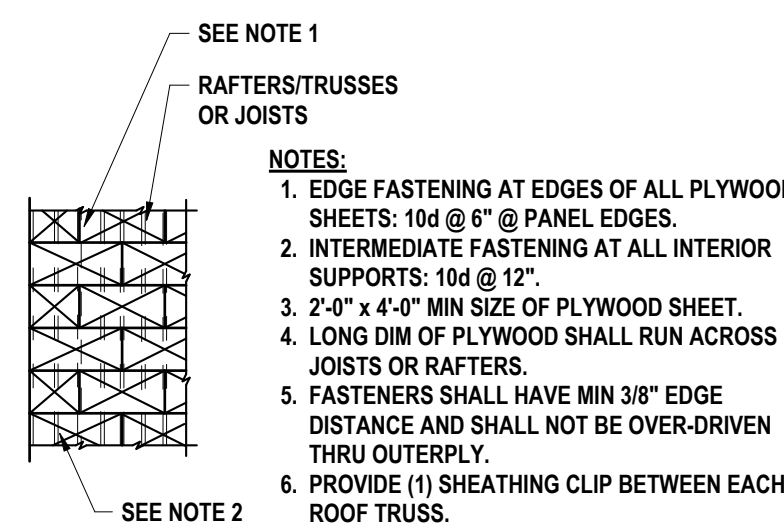


14 HIGH END JOIST BEARING (ALTERNATES #1 & #3)
1" = 1'-0"

MAXIMUM SPAN FOR HEADERS			
HEADER SIZE	LOAD BEARING EXTERIOR WALLS	NON - LOAD BEARING WALLS	
(3) 2x6	4'-0"	7'-0"	
(3) 2x8	5'-0"	9'-0"	
(3) 2x10	6'-6"	11'-0"	
(3) 2x12	8'-0"	14'-0"	

- NOTES:**
1. USE HEADER SIZES ABOVE FOR LOCATIONS WHERE NO BEAM IS CALLED OUT ON PLAN.
 2. USE (2) 12" PLYWOOD FILL BETWEEN ALL TRIPLE 2x4 HEADERS. SEE GENERAL NOTES.
 3. SEE DETAIL X/SX.X FOR MORE INFORMATION.

5 HEADER SCHEDULE
1" = 1'-0"



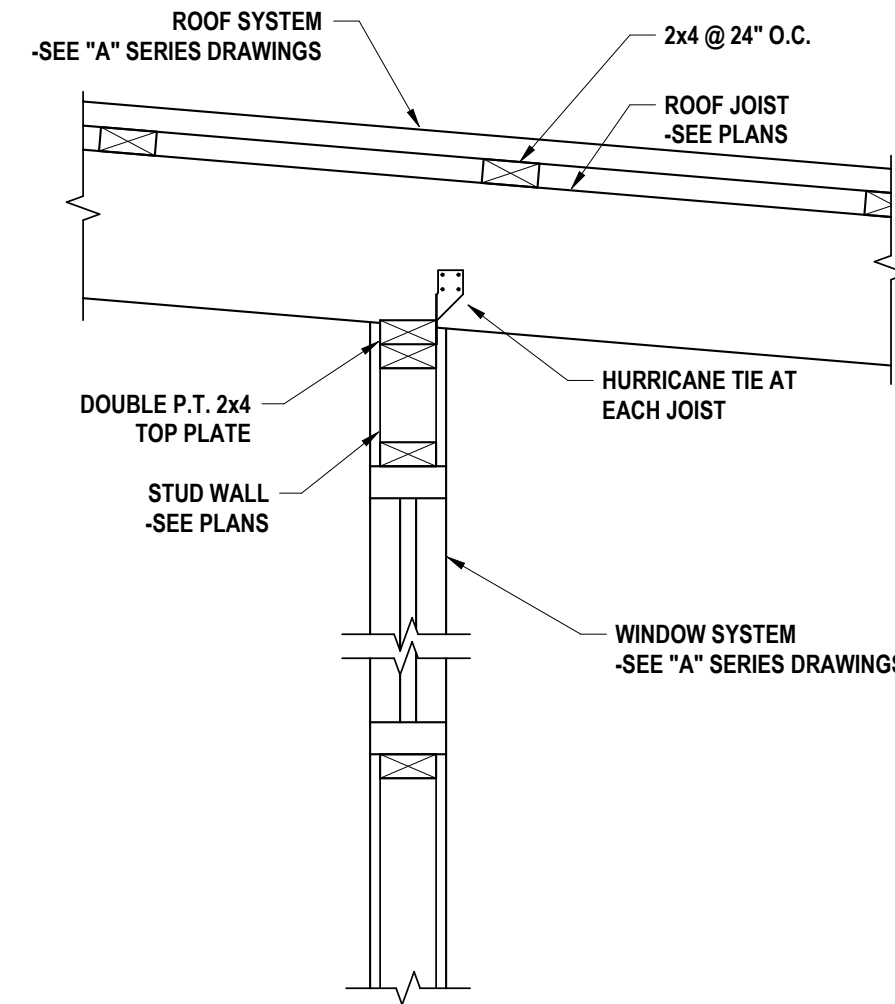
4 NAILING FOR PLYWOOD SHEATHING
3/4" = 1'-0"

- 1. DESIGN:**
- A. DESIGN OF TRUSSES, TRUSS BRACING AND DETAILING OF TRUSS CONNECTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL BE BY THE FABRICATORS ENGINEER REGISTERED IN THE STATE OF NEW YORK. CALCULATIONS AND SHOP DRAWINGS CONSISTING OF TRUSS LAYOUT PLANS AND TRUSS DETAILS SHALL BE SUBMITTED BEARING THIS ENGINEER'S SEAL AND SIGNATURE.
 - B. ALL TRUSS ELEVATIONS REPRESENT CHORD GEOMETRY AND BEARING LOCATIONS SCHEMATICALLY. ACTUAL TRUSS BRACING (WEB) CONFIGURATION IS LEFT TO THE DESIGNER AS NECESSARY TO MEET THE LOAD REQUIREMENTS.
 - C. TEMPORARY BRACING SHALL BE PROVIDED BY THE CONTRACTOR.
- 2. LOADING:**
- A. SEE GENERAL NOTES ON S0.1 FOR LOADING REQUIREMENTS. ALL LOADS SHOWN ARE UNFACTORED.
 - B. ACCOUNT FOR SPECIAL CONDITIONS SHOWN ON THE PLANS, SUCH AS MECHANICAL EQUIPMENT, ETC.
 - C. THE DESIGNER SHALL APPLY THE LOADS SHOWN IN APPROPRIATE LOAD COMBINATIONS, PER APPLICABLE WOOD TRUSS DESIGN CODES.

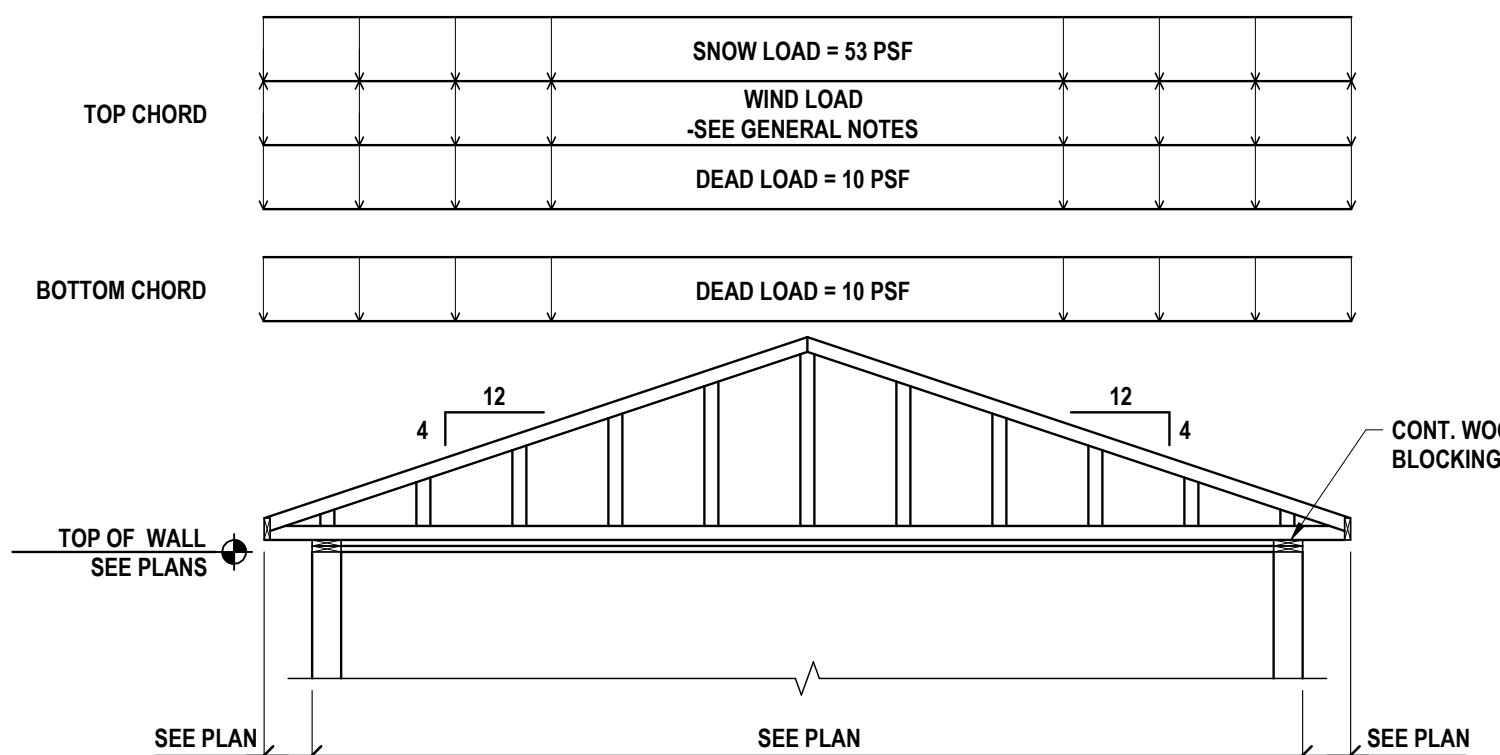
8 TRUSS NOTES (BASE BID & ALTERNATE #2)
3/4" = 1'-0"

- FRAMING MEMBERS AT BEARING POINTS :**
- | | |
|---|-----------|
| JOISTS OR RAFTERS AT ALL BEARING - TOE NAILS EA. SIDE | (2) 10d |
| OR END NAILS TO BAND JOIST | (2) 16d** |
| STUD TO BEARING - TOE NAILS EA. SIDE | (2) 10d |
| OR END NAILS | (2) 16d** |
| BAND JOIST TO SILL TOE NAILS | 10d @ 16" |
- SOLE AND TOP PLATE :**
- | | |
|--|--------------|
| SOLE PLATE TO JOIST OR BLOCKING | 16d @ 16" ** |
| DOUBLE TOP PLATE: | |
| LOWER PLATE TO TOP OF STUD | (2) 16d** |
| UPPER PLATE TO LOWER PLATE | 16d @ 16" ** |
| SPLICE (4'-0" MIN) EA. SIDE OF BUTT IN LOWER PLATE | (4) 16d** |
| UPPER PLATE TO LOWER PLATE AT INTERSECTIONS | (2) 16d** |
- MULTIPLE MEMBERS :**
- | | |
|------------------------------------|--------------|
| MULTIPLE STUDS (STAGGER) | 16d @ 12" ** |
| MULTIPLE JOISTS/ HEADERS (STAGGER) | 16d @ 12" ** |
- BLOCKING:**
- | | |
|-------------------------------------|------------|
| BLOCKING BETWEEN STUDS: | |
| TOE NAILS EA. END | (2) 10d ** |
| OR END NAILS | (2) 16d ** |
| BLOCKING BETWEEN JOISTS OR RAFTERS: | |
| TOE NAILS EA. END | (2) 10d ** |
| OR END NAILS | (2) 16d ** |
- WALL SHEATHING:**
- | | |
|------------------------------------|--|
| 7/16" OSB SHEATHING - ALL SUPPORTS | 8d x 2" EMBED @ 6" O.C. INTERIOR & EXTERIOR AT SHEAR WALLS -SEE SCHEDULE |
| PLYWOOD ROOF | SEE DETAIL 4/S4.1 |
- NOTES:**
1. THIS NAILING IS TYPICAL UNLESS NOTED OR DETAILED OTHERWISE. ALL NAILS SHALL BE COMMON WIRE NAILS.
 2. REFER TO BUILDING CODE NAILING SCHEDULE FOR NAILING CONDITIONS NOT COVERED ABOVE.
 3. NAILS OR SCREWS SHALL HAVE A 3/8" MINIMUM EDGE DISTANCE.
 4. (1") NAILING REQUIREMENTS ARE FOR 2x4 AND 2x6 CONSTRUCTION. -ADD ONE ADDITIONAL NAIL FOR 2x8 AND 2x10 CONSTRUCTION -ADD TWO ADDITIONAL NAILS FOR 2x12 CONSTRUCTION.

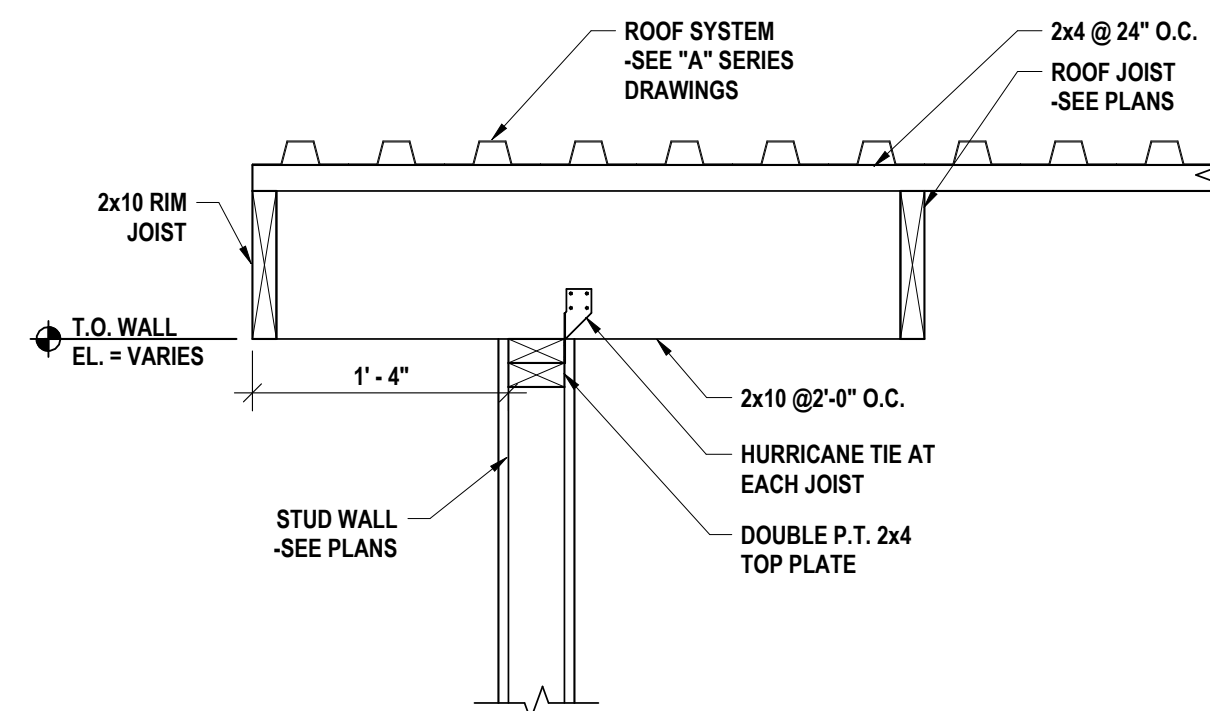
3 NAILING SCHEDULE
3/4" = 1'-0"



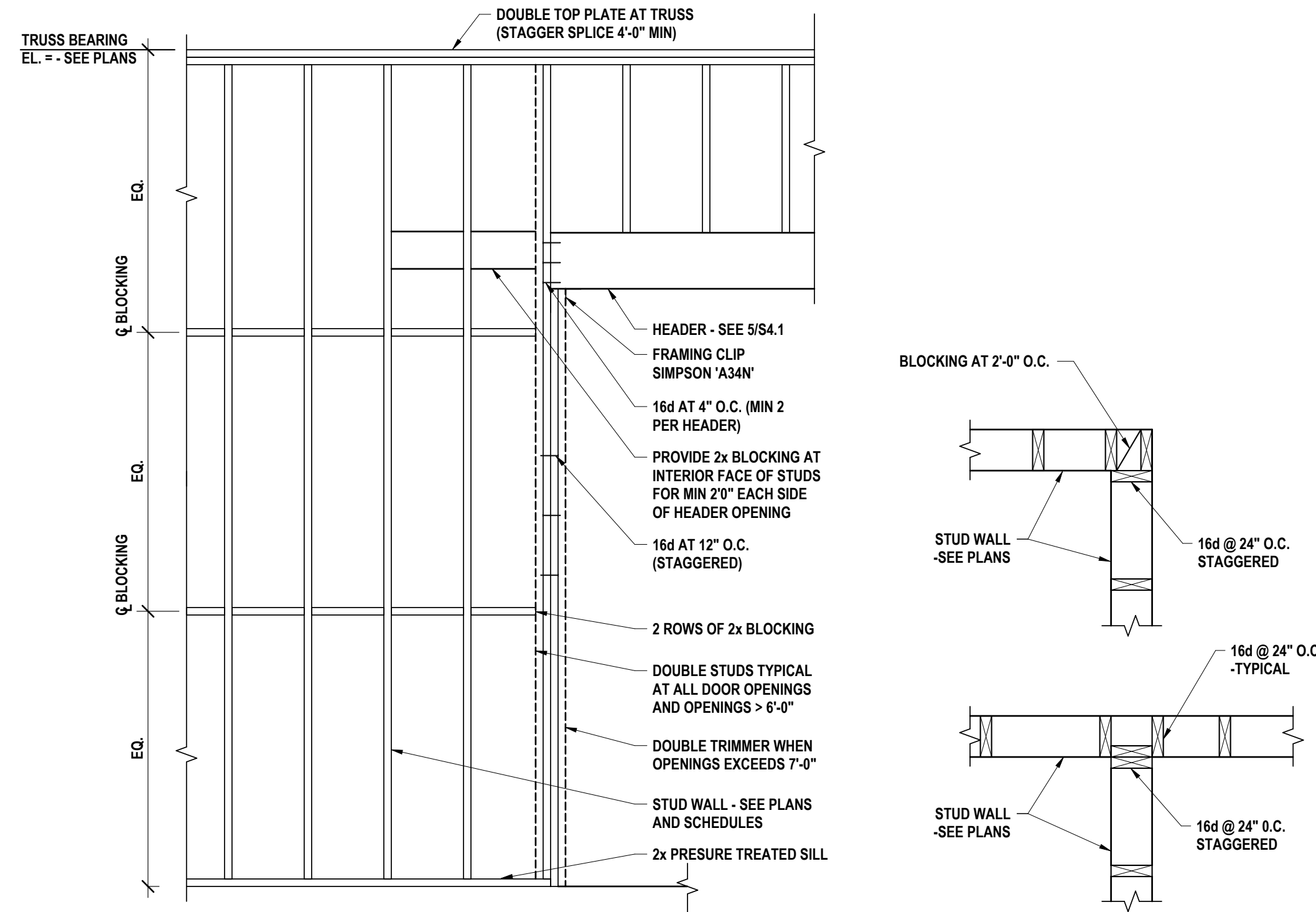
17 FRAMING AT WINDOW (ALTERNATES #1 & #3)
1" = 1'-0"



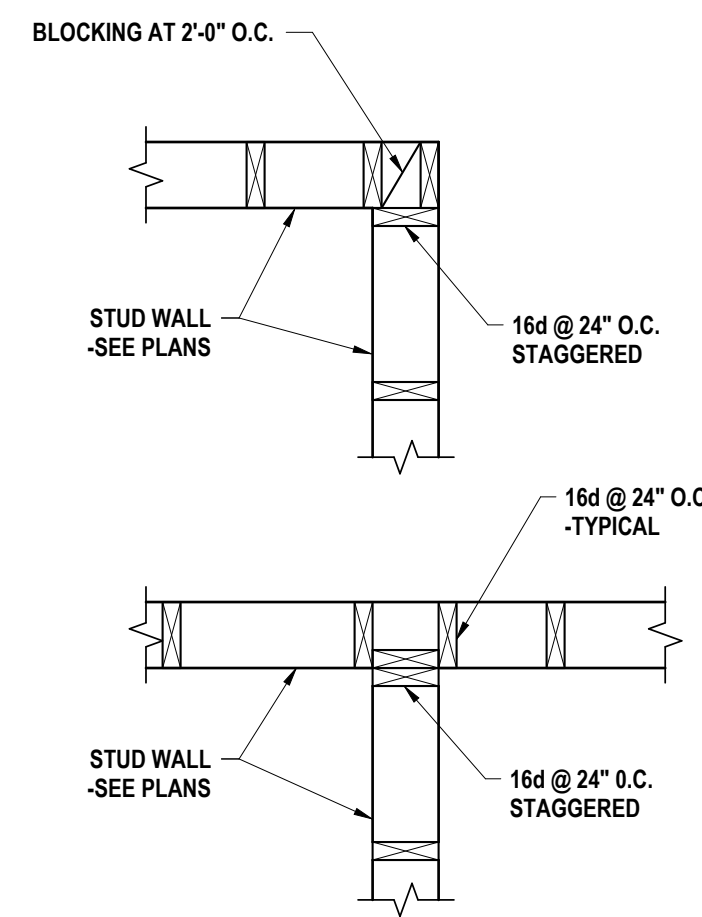
11 TRUSS LOADING DIAGRAM "T2" (BASE BID & ALTERNATE #2)
1/4" = 1'-0"



16 ROOF EDGE AT OUTRIGGER (ALTERNATES #1 & #3)
1" = 1'-0"



2 TYPICAL WOOD STUD WALL ELEVATION
1/2" = 1'-0"



1 STUD WALL INTERSECTIONS
3/4" = 1'-0"

GENERAL STRUCTURAL NOTES

A. BUILDING CODES AND STANDARDS

1. THE FOLLOWING CODES AND STANDARDS, INCLUDING ALL SPECIFICATION REFERENCED WITHIN, SHALL APPLY TO THE DESIGN, CONSTRUCTION, QUALITY CONTROL AND SAFETY OF ALL WORK PERFORMED ON THE PROJECT.

a. "2025 BUILDING CODE OF NEW YORK STATE"

b. "MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES", (ANSI/ASCE 7) AMERICAN SOCIETY OF CIVIL ENGINEERS.

2. ADDITIONAL CODES FOR MATERIALS SHALL BE FOUND IN THE APPROPRIATE SECTIONS THAT FOLLOW. SEE THOSE SECTIONS FOR THE APPLICABLE CODES.

B. DESIGN LOADS

1. GRAVITY - DEAD LOADS

AREA
NEW ROOF

PSF
25 PSF

2. GRAVITY - LIVE LOADS

a. ROOF LIVE LOAD 20 PSF MIN. (SNOW LOAD USED WHEN GREATER)

b. ROOF SNOW LOAD 53 PSF+ DRIFTING (WHERE APPLICABLE)

(1) GROUND SNOW LOAD (Pg) = 63 PSF

(2) EXPOSURE FACTOR (Ce) = 1.0

(3) THERMAL FACTOR (Ct) = 1.2

(4) WINTER WIND PARAMETER (Wz) = 0.55

(5) SLOPE FACTOR (Cs) = 1.0

c. FLOOR LIVE LOADS

AREA
SLAB-ON-GRADE, TYPICAL U.N.O.

PSF
100 PSF

3. WIND LOADS

a. BASIC WIND SPEED (V) = 100 MPH

b. ALLOWABLE DESIGN WIND SPEED (Vasd) = 78 MPH

c. OCCUPANCY RISK CATEGORY II

d. WIND EXPOSURE CATEGORY B

e. ENCLOSED BUILDING

f. MODIFICATION FACTORS (Gc/Gf) = ±0.18 (Kz/Gf) = 1.0, (Kd) = 0.85, (Ka) = 1.0

g. COMPONENTS AND CLADDING - WALL NET DESIGN WIND PRESSURES (PSF)

ZONE
CORNER
INTERIOR

WINDWARD
10 SE
-27.1
-27.1

100 SE
10 SE
-18.5
+18.5

LEEWARD
10 SE
-22.8
-23.6

100 SE
100 SE
-22.8
-20.3

h. COMPONENTS AND CLADDING - ROOF NET DESIGN WIND PRESSURES
BASE BID AND ALTERNATE #2 ROOF SLOPE (ABLE 7" TO 20")

ZONE
CORNER
EDGE
INTERIOR

WINDWARD
10 SE
+14.4
+14.4
+14.4

100 SE
100 SE
+10.1
+10.1
+10.1

LEEWARD
10 SE
-69.7
-33.1
-40.2

100 SE
100 SE
-36.5
-29.0
-21.5

i. COMPONENTS AND CLADDING - ROOF OVERHANG NET DESIGN WIND PRESSURES (PSF)
BASE BID AND ALTERNATE #3 ROOF SLOPE (ABLE 7" TO 20")

ZONE
CORNER
INTERIOR

WINDWARD
10 SE
-7.4
-7.4

100 SE
100 SE
-8.4
-8.4

LEEWARD
10 SE
-48.9
-68.2

100 SE
100 SE
-40.9
-40.9

j. COMPONENTS AND CLADDING - ROOF NET DESIGN WIND PRESSURES
ALTERNATE #1 AND ALTERNATE #3 ROOF SLOPE (MONOSLOPE 3" TO 10")

ZONE
CORNER
EDGE
INTERIOR

WINDWARD
10 SE
+8.8
+8.8
-17.0

100 SE
100 SE
+7.0
+7.0
-7.0

LEEWARD
10 SE
-51.2
-32.8
-23.6

100 SE
100 SE
-32.8
-31.0
-23.6

k. COMPONENTS AND CLADDING - ROOF OVERHANG NET DESIGN WIND PRESSURES (PSF)
ALTERNATE #1 AND ALTERNATE #3 ROOF SLOPE (MONOSLOPE 3" TO 10")

ZONE
CORNER
INTERIOR

WINDWARD
10 SE
-12.9
-12.9

100 SE
100 SE
-11.5
-11.5

LEEWARD
10 SE
-46.4
-47.9

100 SE
100 SE
-37.3
-12.8

4. LATERAL LOADS: SEISMIC

a. SEISMIC BASE SHEAR (V) = 2.5 KIPS

b. OCCUPANCY RISK CATEGORY II

c. IMPORTANCE FACTOR (I) = 1.0

d. SITE CLASS D (ASSUMED)

e. SEISMIC DESIGN CATEGORY A

f. SPECTRAL RESPONSE ACCELERATION (Sds) = 0.12 (Ss) = 0.14 (Sd1) = 0.057 (S1) = 0.04 ORDINARY MOMENT FRAMES (R) = 3.5

g. SEISMIC FORCE-RESISTING SYSTEM

h. RESPONSE MODIFICATION FACTOR

i. ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE

5. FLOOD LOAD

a. AREA OUTSIDE 100 YEAR FLOOD AREA PER FEMA FLOOD INSURANCE MAP #3610180001C.

6. ROOF RAIN LOAD DATA

a. RAIN INTENSITY (100 YEAR 60 MIN. DURATION) (i) = 2.39 IN/HR.

C. FOUNDATION/EARTHWORK/GEOTECHNICAL REPORT

1. DESIGN DATA:

a. NO GEOTECHNICAL INFORMATION HAS BEEN PROVIDED BY THE OWNER AT THIS TIME. FOUNDATIONS ARE DESIGNED BASED ON ASSUMED BEARING PRESSURES AND SHALL BE CONFIRMED BY A GEOTECHNICAL ENGINEER BEFORE PLACEMENT OF FOUNDATIONS.

b. ALL EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 4"0" BELOW GRADE AND 1'-4" BELOW INTERIOR FINISHED FLOOR GRADE. IN CASE OF CONFLICT, NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER IN ADVANCE OF ANY CONSTRUCTION TO ALLOW FOR ADJUSTMENT.

2. FOUNDATION SYSTEM

a. SPREAD FOOTINGS

(1) BUILDING SPREAD AND STRIP FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL SOILS OR PROPERLY PLACED AND COMPACTED ENGINEERED FILL WITH A MINIMUM ALLOWABLE BEARING PRESSURE OF 2000 PSF. BEARING PRESSURES SHALL BE VERIFIED BY AN EXPERIENCED QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF FOUNDATIONS

3. GENERAL

a. SEE THE SPECIFICATIONS FOR EXCAVATION, DEWATERING AND PREPARATION OF THE FOUNDATION AND SLAB-ON-GRADE SUBGRADE, INCLUDING COMPACTION PROCEDURES.

b. CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS THAT MAY AFFECT THE INSTALLATION OF THE FOUNDATION SYSTEM AS SHOWN PRIOR TO STARTING WORK.

c. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND PROTECTING ALL EXISTING UTILITIES, EXISTING STRUCTURES, ETC., WHETHER INDICATED OR NOT, WHICH MAY BE AFFECTED BY THE CONSTRUCTION PROCESS.

d. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT THE STRUCTURAL ENGINEER'S APPROVAL.

e. BEARING ELEVATIONS INDICATED ON THE DRAWINGS ARE ESTIMATED FROM SOIL BEARING. PRIOR TO PLACING FOUNDATIONS, AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER SHALL MAKE DETERMINATION OF FINAL BEARING ELEVATIONS AND VERIFICATION OF ALLOWABLE BEARING PRESSURE.

f. CONCRETE FOR FOUNDATIONS SHALL BE POURED ON THE SAME DAY SUBGRADE APPROVAL IS GIVEN BY THE GEOTECHNICAL ENGINEER.

g. THE SLOPE BETWEEN THE LOWER EDGES OF ADJACENT FOUNDATIONS SHALL NOT EXCEED 45 DEGREES WITH THE HORIZONTAL, UNLESS INDICATED OTHERWISE ON PLANS. MAINTAIN A 1:1 SLOPE FROM BOTTOM EDGE OF ANY EXCAVATION.

h. FOLLOWING REQUIRED STRIPPING OPERATIONS, ANY PROOFROLLING SHALL BE AS DIRECTED BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER. THE PURPOSE OF THE PROOFROLLING WILL BE TO LOCATE ANY ISOLATED AREAS OF SOFT OR LOOSE SOILS REQUIRING IMPROVEMENT OR REPLACEMENT. SOFT AREAS SHALL BE UNDERCUT AND REPLACED BY PROPERLY COMPACTED MATERIALS.

i. ALL SHORING, SHEETING, AND DEWATERING SHALL BE THE TOTAL RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION SHALL DESIGN SHEETING AND SHORING. ALL SUBMITTALS SHALL BEAR THE ENGINEER'S SEAL AND SIGNATURE.

4. BACKFILL

a. ALL BACKFILL SHALL BE ACCOMPLISHED USING MATERIAL APPROVED BY THE GEOTECHNICAL ENGINEER WITH OPTIMUM MOISTURE CONTENT FOR COMPACTING AND SHALL BE FREE OF DEBRIS.

b. NO BACKFILL MATERIAL SHALL BE PLACED AGAINST FOUNDATION WALLS UNTIL THE UPPER BRACING FLOORS ARE IN PLACE FOR AT LEAST 7 DAYS, OR ADEQUATE BRACING, AS DESIGNED BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER. THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION SHALL DESIGN BRACING. ALL SUBMITTALS SHALL BEAR THE ENGINEER'S SEAL AND SIGNATURE.

c. WHERE THE FINAL GRADE ELEVATIONS ARE APPROXIMATELY EQUAL ON BOTH SIDES OF A WALL, BACKFILL IN LIFTS TO MAINTAIN LEVEL ELEVATIONS WITHIN 10" ON BOTH SIDES AT ANY TIME.

5. STRUCTURAL FILL

a. REFER TO SPECIFICATIONS FOR COMPACTED STRUCTURAL FILL. INSPECTION OF THE PLACEMENT OF COMPACTED STRUCTURAL FILL SHALL BE BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER.

b. APPROVED MATERIAL SHOULD BE PLACED IN 8" MINIMUM INDIVIDUAL MOISTURE CONDITIONED AS REQUIRED TO ACHIEVE COMPACTION TO A MINIMUM IN PLACE DENSITY OF 95% MAX. IN ACCORDANCE WITH ASTM SPECIFICATION D-1557 (MODIFIED PROCTOR) FOR FILL BELOW FOOTINGS AND SLABS-ON-GRADE.

D. CONSTRUCTION

1. GENERAL

a. UNAUTHORIZED REPRODUCTION OF ANY PORTION OF THE STRUCTURAL CONTRACT DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS IS PROHIBITED. SHOP DRAWINGS PRODUCED IN SUCH A MANNER WILL BE REJECTED AND RETURNED.

b. THESE DRAWINGS REPRESENT THE COMPLETED PROJECT WHICH HAS BEEN DESIGNED FOR THE WEIGHTS OF MATERIALS INDICATED ON THE DRAWINGS AND FOR THE SUPERIMPOSED LOADS INDICATED ON THE DRAWINGS AND FOR THE SUPERIMPOSED LOADS INDICATED IN THE DESIGN LOADS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FALSE WORK, STAGINGS, BRACING, SHEETING AND SHORING, ETC. ALL SHORING CALCULATIONS AND DRAWINGS SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION.

c. IN CASE OF CONFLICT BETWEEN THE GENERAL NOTES, DETAILS AND SPECIFICATIONS, THE MOST RIGID REQUIREMENTS SHALL GOVERN.

d. IMPLEMENTING JOB SITE SAFETY AND CONSTRUCTION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

e. ALL COSTS OF INVESTIGATION AND/OR REDESIGN, DUE TO THE CONTRACTOR MIS LOCATION OF STRUCTURAL ELEMENTS OR OTHER LACK OF CONFORMANCE WITH THE PROJECT DOCUMENTS, SHALL BE AT THE CONTRACTOR'S EXPENSE.

f. CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND OTHER APPLICABLE DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS, SLEEVES, CONCRETE HOUSEKEEPING PADS, INSERTS, AND DEPRESSIONS.

g. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILED INFORMATION REGARDING FINISHES, FIREPROOFING, WATERPROOFING, ETC.

h. CONTRACTOR SHALL FURNISH DIMENSIONED SHOP DRAWINGS AT ALL LEVELS LOCATING FLOOR AND ROOF EDGES FOR REVIEW BY THE ARCHITECT AND STRUCTURAL ENGINEER.

i. CONTRACTOR SHALL FURNISH DIMENSIONED SHOP DRAWINGS AT ALL LEVELS SHOWING THE LOCATIONS OF ALL SLEEVES AND OPENINGS REQUIRED BY ALL TRADES.

j. THE CONTRACTOR SHALL SUBMIT, FOR REVIEW, DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION FOR THE FOLLOWING ASSEMBLIES. THIS REVIEW SHALL BE FOR GENERAL CONFORMANCE WITH THE PROJECT PARAMETERS AS INDICATED ON THE DRAWINGS AND IN THE GENERAL NOTES. THE DESIGN OF THESE ASSEMBLIES IS THE RESPONSIBILITY OF THE ENGINEER WHO HAS SIGNED AND SEALED THESE DRAWINGS AND CALCULATIONS. THE DESIGN OF THESE ASSEMBLIES SHALL TAKE INTO ACCOUNT ALL VERTICAL AND LATERAL LOADS REQUIRED BY APPLICABLE BUILDING CODES.

(1) WOOD AND COLD FORMED METAL TRUSSES AND RELATED CONNECTIONS. THE SUBMITTED DRAWINGS SHALL CLEARLY SHOW THE LOAD REACTIONS AS APPLIED TO THE BUILDING STRUCTURE.

k. WORK NOT INCLUDED ON THE DRAWINGS BUT IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES ELSEWHERE ON THE DRAWINGS SHALL BE REPEATED.

E. CONCRETE

1. CODES

a. "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318", AMERICAN CONCRETE INSTITUTE.

b. "ACI MANUAL OF CONCRETE PRACTICE - PARTS 1 THROUGH 5".

c. "MANUAL OF STANDARD PRACTICE", CONCRETE REINFORCING STEEL INSTITUTE.

2. MATERIALS

a. THE FOLLOWING ASTM STANDARDS AND DESIGN STRESSES SHALL BE USED FOR THE APPROPRIATE MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT.

APPLICATION

SLABS-ON-GRADE (INTERIOR)

SLABS-ON-GRADE (EXTERIOR)

FOOTINGS

COLUMNS

WALLS

28 DAYS

WEIGHT (PCF)

W/C(MAX)

3500

4000

3000

4000

4000

145

145

145

145

145

0.50

0.45

0.55

0.50

0.50

"PUMP MIXES. MAXIMUM WATER/CEMENT RATIO MUST BE MAINTAINED. IF ADDITIONAL WORKABILITY IS REQUIRED FOR PUMPED PLACEMENT, THE HIGH OR MID-RANGE WATER REDUCERS SHALL BE USED IN LIEU OF ADDITIONAL WATER.

b. CEMENT:

ASTM C150; TYPE I OR III

ASTM C150; TYPE II FOR CONCRETE IN CONTACT WITH EARTH.

c. CEMENT SUBSTITUTES:

ASTM C595, TYPE IS (LIMIT TO 50% MAX. OF CEMENTITIOUS CONTENT BY WEIGHT)

d. AGGREGATES:

ASTM C33 (NORMAL WEIGHT)

ASTM C330 (STRUCTURAL LIGHTWEIGHT)

e. AIR:

ASTM C260

CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED (5%) (1-12%) BY VOLUME.

f. REINFORCEMENT:

DEFORMED REINFORCING BARS

WELDABLE DEFORMED REINF. BARS

WELDED WIRE FABRIC (WWF)

THREADBAR AND COUPLER

ASTM A615, GRADE 60

ASTM A706 OR APPROVED EQUAL

ASTM A1064

DYWIDAGS MEETING ACI 318-12 14.3.4 SPLICES OR APPROVED EQUAL.

g. ANCHORING SYSTEM:

ADHESIVE REINFORCING

EXPANSION BOLTS

HILTI HY-200 SYSTEM OR APPROVED EQUAL

HILTI KWIK BOLT TZ OR APPROVED EQUAL.

3. CAST-IN-PLACE

a. REINFORCING STEEL CLEAR COVER SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

(1) NONPRESTRESSED/ NON-POST-TENSIONED CONCRETE:

a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH

b. CONCRETE EXPOSED TO EARTH OR WEATHER

c. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:

d. BEAMS, AND COLUMNS:

COVER

9"

2"

1-1/2"

3/4"

1-1/2"

b. NO SPLICES OF REINFORCEMENT SHALL BE PERMITTED EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. MAKE BARS CONTINUOUS AROUND CORNERS, WHEN PERMITTED. SPLICES SHALL BE MADE BY CAST CONCRETE TENSION LAP SPLICES, UNLESS OTHERWISE NOTED.

c. WELDED WIRE FABRIC REINFORCEMENT SHALL BE SUPPLIED IN SHEETS, EXCEPT FOR SLAB ON GRADE CONSTRUCTION WHERE ROLLS MAY BE LAP TWO FULL MESH LENGTHS AT SPLICES AND WIRE TOGETHER.

d. NO SPLICES OF REINFORCING SHALL BE PERMITTED UNLESS SPECIFICALLY CALLED FOR OR APPROVED BY THE STRUCTURAL ENGINEER.

e. PROVIDE PLASTIC TIPPED BOLSTERS AND CHAIRS AT ALL LOCATIONS WHERE THE CONCRETE SURFACE IN CONTACT WITH THE BOLSTERS OR CHAIRS ARE EXPOSED.

f. CONSTRUCTION JOINTS AND CONTROL JOINTS IN SLABS ON GRADE SHALL BE ARRANGED TO LIMIT MAXIMUM LENGTH BETWEEN JOINTS TO 15'-0" IN ANY DIRECTION, ALLOW A MINIMUM OF 48 HOURS TIME BETWEEN PLACEMENT OF ADJACENT SECTIONS.

g. ALL FORMWORK, SHORING, AND RESHORING, SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. ALL SUBMISSIONS SHALL BEAR THE ENGINEER'S SEAL AND SIGNATURE.

h. NO SLEEVES SHALL BE PLACED THROUGH ANY CONCRETE ELEMENT UNLESS SHOWN ON THE STRUCTURAL DRAWINGS, APPROVED SLEEVING SHOP DRAWINGS OR SPECIFICALLY AUTHORIZED IN WRITING BY THE STRUCTURAL ENGINEER.

i. ALL INSERTS AND SLEEVES SHALL BE CAST-IN-PLACE WHENEVER FEASIBLE. DRILLED OR POWDER DRIVEN FASTENERS WILL BE PERMITTED WHEN PROVEN TO THE SATISFACTION OF THE STRUCTURAL ENGINEER THAT THE FASTENERS WILL NOT SPALL THE CONCRETE AND HAVE THE SAME CAPACITY AS CAST-IN-PLACE INSERTS.

j. WHEN INSTALLING EXPANSION BOLTS OR ADHESIVE ANCHORS, THE CONTRACTOR SHALL TAKE MEASURES TO AVOID DRILLING OR CUTTING OF ANY EXISTING REINFORCING AND DESTRUCTION OF CONCRETE. HOLES SHALL BE BLOWN CLEAN PRIOR TO PLACING BOLTS OR ADHESIVE ANCHORS.

k. CHAMFER ALL EXPOSED CONCRETE CORNERS, 3/4" x 3/4" MINIMUM, UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.

l. THE CONCRETE SLABS SHALL BE FINISHED, WITHIN TOLERANCE, TO THE ELEVATIONS INDICATED ON THE DRAWINGS.

m. THE BEARING ELEVATION OF A THICKENED SLAB SHALL NOT SLOPE MORE THAN 1" FOR EVERY 2' OF HORIZONTAL DISTANCE UNLESS NOTED OTHERWISE.

n. CONCRETE SLABS ON GRADE SHALL BE PLACED ON A MINIMUM 6" LAYER OF CLEAN, WELL-GRADED GRAVEL OR CRUSHED STONE CONFORMING TO THE SPECIFICATIONS OVER PROPERLY COMPACTED SUBGRADE. A VAPOR BARRIER SHALL BE PLACED ON TOP OF THE LAYER OF GRAVEL AT INTERIOR SLABS.

4. INSPECTION AND TESTING

a. REFER TO SPECIFICATION SECTIONS 014000, 014533 AND 033000.

F. WOOD

1. CODE

a. ANSI/AWC NDS2015 "NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION", AMERICAN WOOD COUNCIL.

b. AWC SDPWS2015 "SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC", AMERICAN WOOD COUNCIL.

c. "PERFORMANCE STANDARD AND POLICIES FOR STRUCTURAL USE PANELS," PRP-108, AMERICAN PLYWOOD ASSOCIATION (APA)

2. MATERIALS

a. SAWN LUMBER

DOC PS20

b. STRUCTURAL PANELS

ANSI/APA PRP210 OR DOC PS1/PS2

c. PRESERVATIVE TREATMENT

AWPA U14/M4

d. GLUE/LAMINATED TIMBER

ANSI/APA A190.1 & ASTM D3737

e. TIMBER PILES

ASTM D25

f. TIMBER POLES

ASTM D3200

g. WOOD JOISTS

ASTM D8065

h. LAMINATED VENEER LUMBER

ASTM D5456

3. SAWN LUMBER

a. SAWN LUMBER ALL SAWN LUMBER SHALL HAVE 19% MAXIMUM MOISTURE CONTENT AND SHALL BE SURFACE DRY SOUTHERN PINE WITH THE FOLLOWING MIN. BASE DESIGN VALUES:

CEILING JOISTS/RAFTER/BEAMS: NUMBER 1 OR BETTER

Fb = 875 psi

Fc (PAR) = 1150 psi

Fv = 135 psi

Ft = 450psi

Fc (PERP) = 425 psi

E = 1,400,000 psi

b. MEMBERS SHALL BE SET WITH CROWN SIDE UP AND HAVE A MINIMUM OF 3" BEARING.

c. MEMBERS FRAMING TO BEAMS, HEADERS, ETC. SHALL BE SECURED WITH SIMPSON STRONG-TIE FRAMING ANCHORS OR APPROVED EQUAL, UNLESS OTHERWISE NOTED OR SHOWN.

d. DESIGN OF TRUSSES, TRUSS BRACING AND DETAILING OF TRUSS CONNECTIONS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL BE BY THE FABRICATOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. CALCULATIONS AND SHOP DRAWINGS CONSISTING OF TRUSS LAYOUT PLANS AND TRUSS DETAILS, SHALL BE SUBMITTED BEARING THIS ENGINEER'S SEAL AND SIGNATURE.

e. ALL BOLTS AND LAG BOLTS SHALL BE FITTED WITH GALVANIZED, MALLEABLE IRON OR STEEL PLATE WASHERS.

f. CONNECTION DETAILS SHOW ARRANGEMENT OF STRUCTURAL MEMBERS DESIGN OF CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE BUILDER/FABRICATOR.

g. ALL JOISTS AND RAFTERS SHALL BE RIGIDLY BRIDGED AT INTERVALS NOT EXCEEDING 8'-0".

4. PLYWOOD PANELS

a. APA PERFORMANCE RATED PLYWOOD PANELS

(1) PLYWOOD WALL SHEATHING 1/8" THICK, EXPOSURE 1, SPAN RATING 32/16

b. FACTORY-MARK EACH CONSTRUCTION PANEL WITH APA TRADEMARK EVIDENCING COMPLIANCE WITH GRADE REQUIREMENTS.

c. INSTALL PANELS WITH FACE GRAIN PERPENDICULAR TO THE SUPPORTING MEMBERS, UNLESS SHOWN OTHERWISE.

5. WOOD PRESERVATIVE TREATMENT

a. WHERE LUMBER OR PLYWOOD IS INDICATED AS "TREATED" OR "PRESSURE TREATED", COMPLY WITH APPLICABLE REQUIREMENTS OF AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA) STANDARDS U1 AND M4.

b. TREAT INDICATED ITEMS AND WOOD SILLS, SLEEPERS, BLOCKING AND SIMILAR CONCEALED MEMBERS IN CONTACT WITH MASONRY OR CONCRETE.

c. PARALLAM PRESERVATIVE TREATMENT: COPPER AZOLE OR CCA FOR SERVICE LEVEL 2.

DESCRIPTION OF REVISION:
ISSUED FOR BID

DATE:
1 10/12/2025

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATION OR ADDITIONS TO PLANS
DRAWN BY: MKB
CHECKED BY: NGB
DATE: 10/14/2025
PHASE: CD
COPYRIGHT 2025

STRUCTURAL GENERAL NOTES

HAVANA GLEN PARK IMPROVEMENTS EPF237411

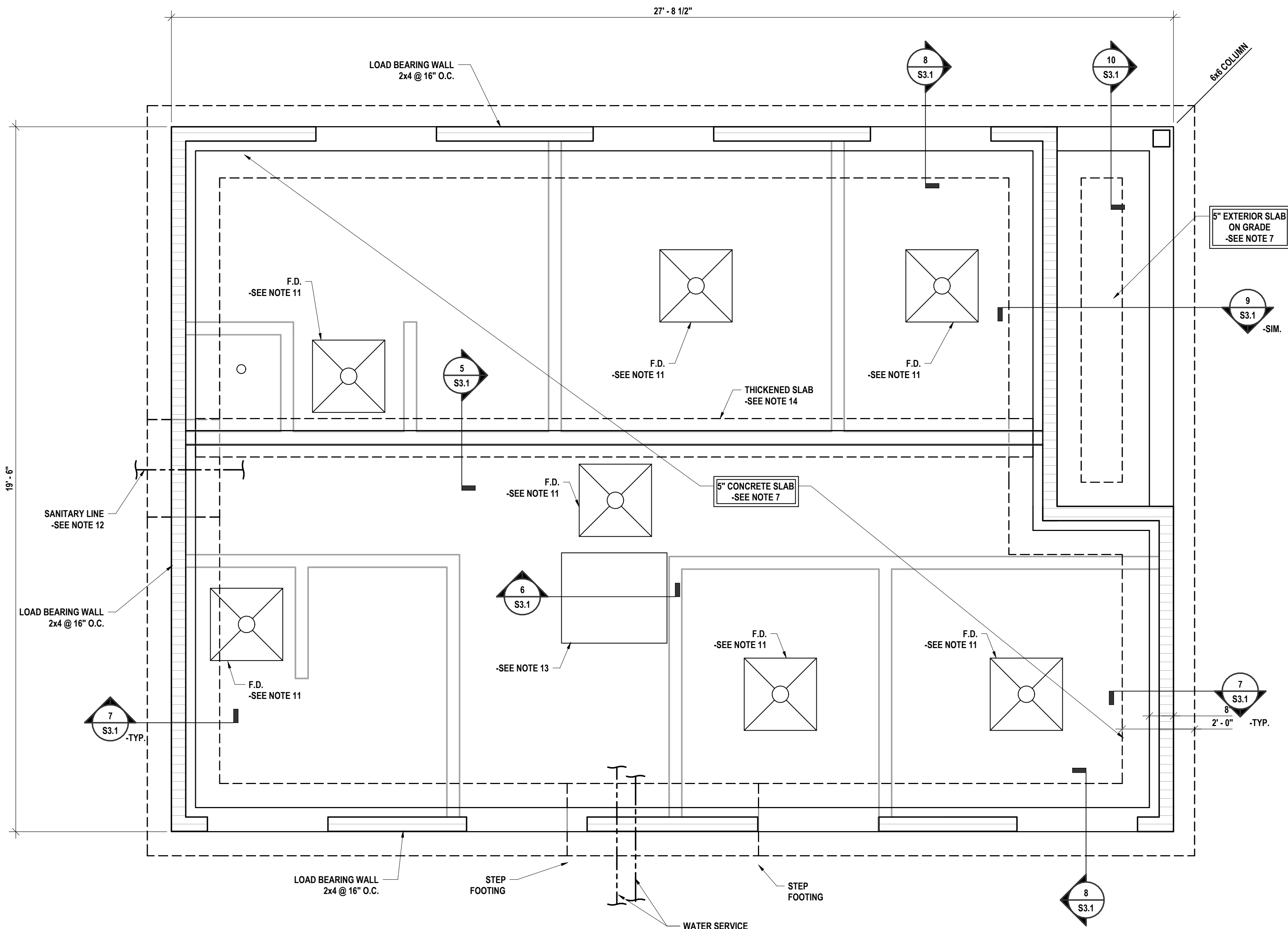
TOWN OF MONTOUR

35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

PROJECT NO: 1544-910

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

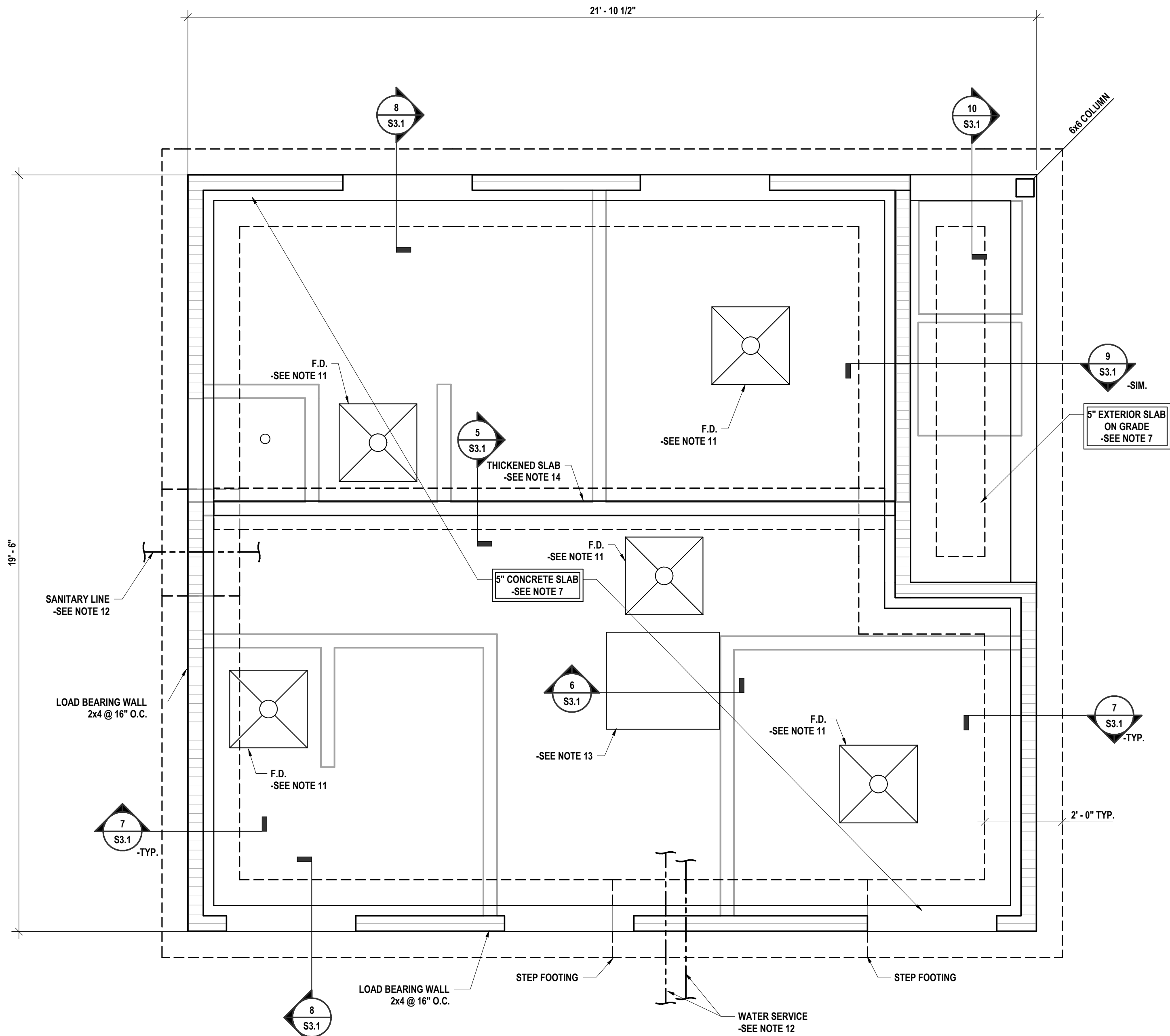
HORSEHEADS, NY 867-263-1000
ROCHESTER, NY 585-337-7849
BINGHAMTON, NY 867-788-8881
ALBANY, NY 867-788-8805
WWW.HUNTEAS.COM
NY CERTIFICATE NO. 0016920 PA CERTIFICATE NO. TSC2200131464-1



2 FOUNDATION PLAN (ALTERNATES #2 & #3)
1/2" = 1'-0"

PLAN NOTES:

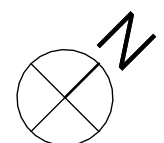
1. TOP OF SLAB EL.=0'-0" (487.25 +/- V.I.F.) UNLESS NOTED. FLOOR ELEVATION TO MATCH EXISTING FLOOR ELEVATION. THIS IS TO BE THE REFERENCE ELEVATION FOR THIS LEVEL. ALL ELEVATIONS INDICATED (487'-0") ARE TAKEN FROM THIS REFERENCE ELEVATION.
2. SEE SHEET S0.1 FOR GENERAL NOTES, INCLUDING COMPACTION REQUIREMENTS FOR FOUNDATIONS AND SLABS.
3. SEE SHEET S2.1 FOR TYPICAL DETAILS.
4. ALL FOOTINGS SHALL BE CENTERED ON WALLS UNLESS NOTED.
5. TOP OF EXTERIOR FOOTING ELEVATION = (+3'-4") UNLESS NOTED.
6. SEE "A" SERIES DRAWINGS FOR DIMENSIONS NOT SHOWN.
7. 5" FIBER REINFORCED SLAB ON GRADE ADDITIONALLY REINFORCED WITH 6x6-W2.0xW2.0 WWF. PROVIDE SUPPORT CHAIRS TO HOLD WWF IN POSITION DURING CONCRETE PLACEMENT. PROVIDE AIR ENTRAINMENT AND 2% SLOPE AT EXTERIOR SLABS.
8. AT SLABS PROVIDE CONSTRUCTION OR CONTROL JOINTS AT A SPACING NOT TO EXCEED 15'-0" UNLESS NOTED C.I. ON PLANS. FOR ADDITIONAL INFORMATION SEE TYPICAL DETAILS.
9. PROVIDE (2) #5x4'-0" MID-DEPTH OF SLAB AT ALL INTERIOR CORNERS.
10. SLOPE SLABS AS REQUIRED FOR DRAINAGE (MIN 1/8" PER FOOT). SEE "A & P" SERIES DRAWINGS.
11. SLOPE SLAB 1/4" PER FOOT SLOPE TO DRAIN WITHIN 2'-0" OF EACH DRAIN LOCATION. COORDINATE LOCATIONS WITH "A & P" SERIES DRAWINGS.
12. ALL SLEEVES FOR OTHER TRADES SHALL CROSS THROUGH THE FOUNDATION WALL. STEP FOOTING AS REQUIRED. COORDINATE SIZE, LOCATION AND INVERT WITH "L" SERIES DRAWINGS AND OTHER CONTRACTED WORK.
13. SEE SHEET S3.1 FOR CONCRETE PAD DETAIL. COORDINATE WITH THE REQUIREMENTS OF THE MECHANICAL UNIT.
14. THICKENED SLAB IS ONLY REQUIRED FOR ALTERNATE #3.



1 FOUNDATION PLAN (BASE BID & ALTERNATE #1)
1/2" = 1'-0"

PLAN NOTES:

1. TOP OF SLAB EL.=0'-0" (487.25 +/- V.I.F.) UNLESS NOTED. FLOOR ELEVATION TO MATCH EXISTING FLOOR ELEVATION. THIS IS TO BE THE REFERENCE ELEVATION FOR THIS LEVEL. ALL ELEVATIONS INDICATED (487'-0") ARE TAKEN FROM THIS REFERENCE ELEVATION.
2. SEE SHEET S0.1 FOR GENERAL NOTES, INCLUDING COMPACTION REQUIREMENTS FOR FOUNDATIONS AND SLABS.
3. SEE SHEET S2.1 FOR TYPICAL DETAILS.
4. ALL FOOTINGS SHALL BE CENTERED ON WALLS UNLESS NOTED.
5. TOP OF EXTERIOR FOOTING ELEVATION = (+3'-4") UNLESS NOTED.
6. SEE "A" SERIES DRAWINGS FOR DIMENSIONS NOT SHOWN.
7. 5" FIBER REINFORCED SLAB ON GRADE ADDITIONALLY REINFORCED WITH 6x6-W2.0xW2.0 WWF. PROVIDE SUPPORT CHAIRS TO HOLD WWF IN POSITION DURING CONCRETE PLACEMENT. PROVIDE AIR ENTRAINMENT AND 2% SLOPE AT EXTERIOR SLABS.
8. AT SLABS PROVIDE CONSTRUCTION OR CONTROL JOINTS AT A SPACING NOT TO EXCEED 15'-0" UNLESS NOTED C.I. ON PLANS. FOR ADDITIONAL INFORMATION SEE TYPICAL DETAILS.
9. PROVIDE (2) #5x4'-0" MID-DEPTH OF SLAB AT ALL INTERIOR CORNERS.
10. SLOPE SLABS AS REQUIRED FOR DRAINAGE (MIN 1/8" PER FOOT). SEE "A & P" SERIES DRAWINGS.
11. SLOPE SLAB 1/4" PER FOOT SLOPE TO DRAIN WITHIN 2'-0" OF EACH DRAIN LOCATION. COORDINATE LOCATIONS WITH "A & P" SERIES DRAWINGS.
12. ALL SLEEVES FOR OTHER TRADES SHALL CROSS THROUGH THE FOUNDATION WALL. STEP FOOTING AS REQUIRED. COORDINATE SIZE, LOCATION AND INVERT WITH "L" SERIES DRAWINGS AND OTHER CONTRACTED WORK.
13. SEE SHEET S3.1 FOR CONCRETE PAD DETAIL. COORDINATE WITH THE REQUIREMENTS OF THE MECHANICAL UNIT.
14. THICKENED SLAB IS ONLY REQUIRED FOR ALTERNATE #1.



FOUNDATION PLANS

HAVANA GLEN PARK IMPROVEMENTS EP237411
TOWN OF MONTOUR

35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

S1.1

PROJECT NO: 1544-010

DESCRIPTION OF REVISION:
ISSUED FOR BID

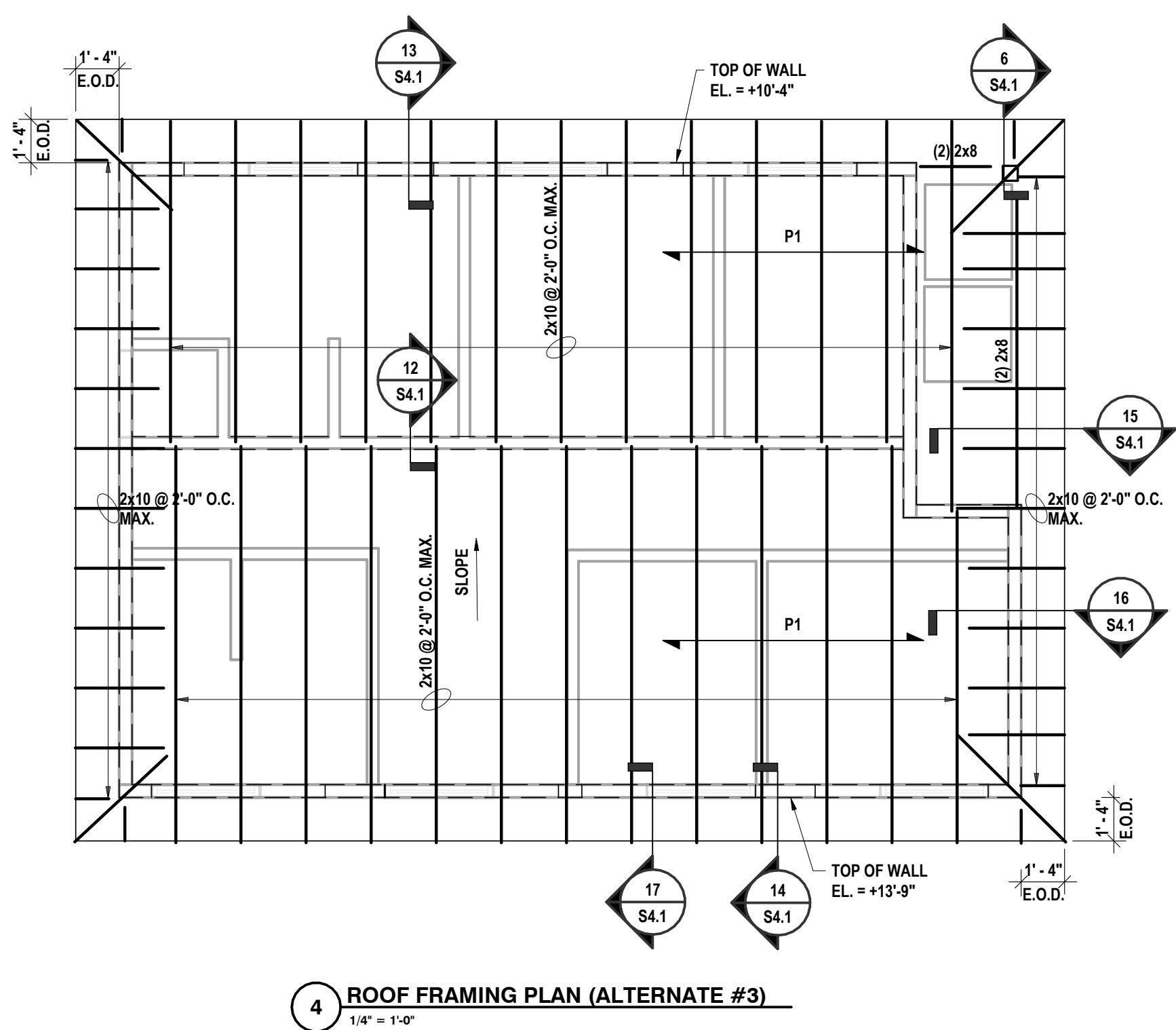
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1 10/12/2026

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10/14/2025
CD

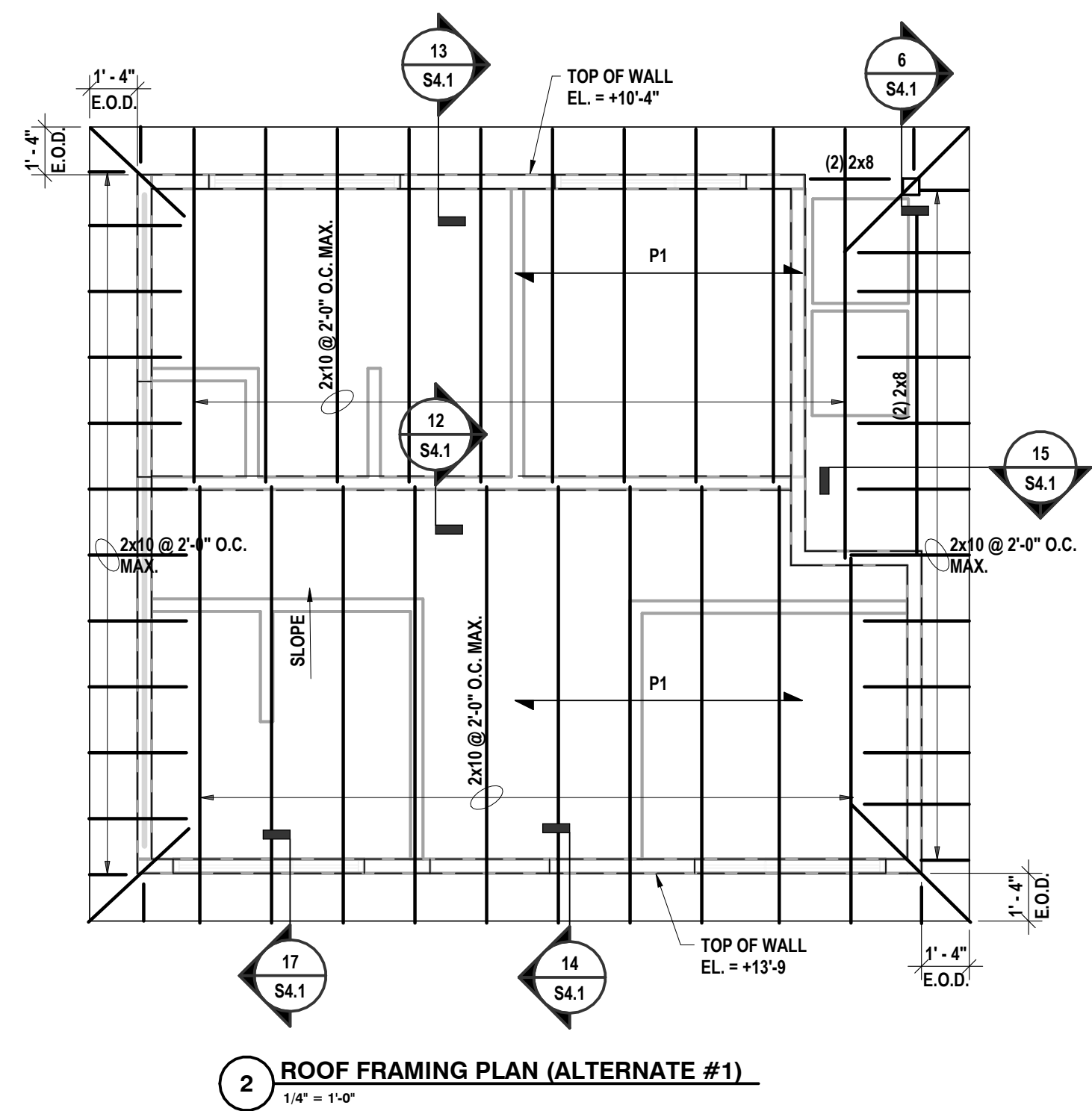
IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS
DRAWN BY: MKB
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DATE: 10/14/2025
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HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 807-263-1000 ROCHESTER, NY 585-337-7549 TOWNANDA, PA 570-265-4666
BINGHAMTON, NY 607-798-8881 ALBANY, NY 607-798-8881
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NY CERTIFICATE NO. 001620 PA CERTIFICATE NO. TSC220013464-1



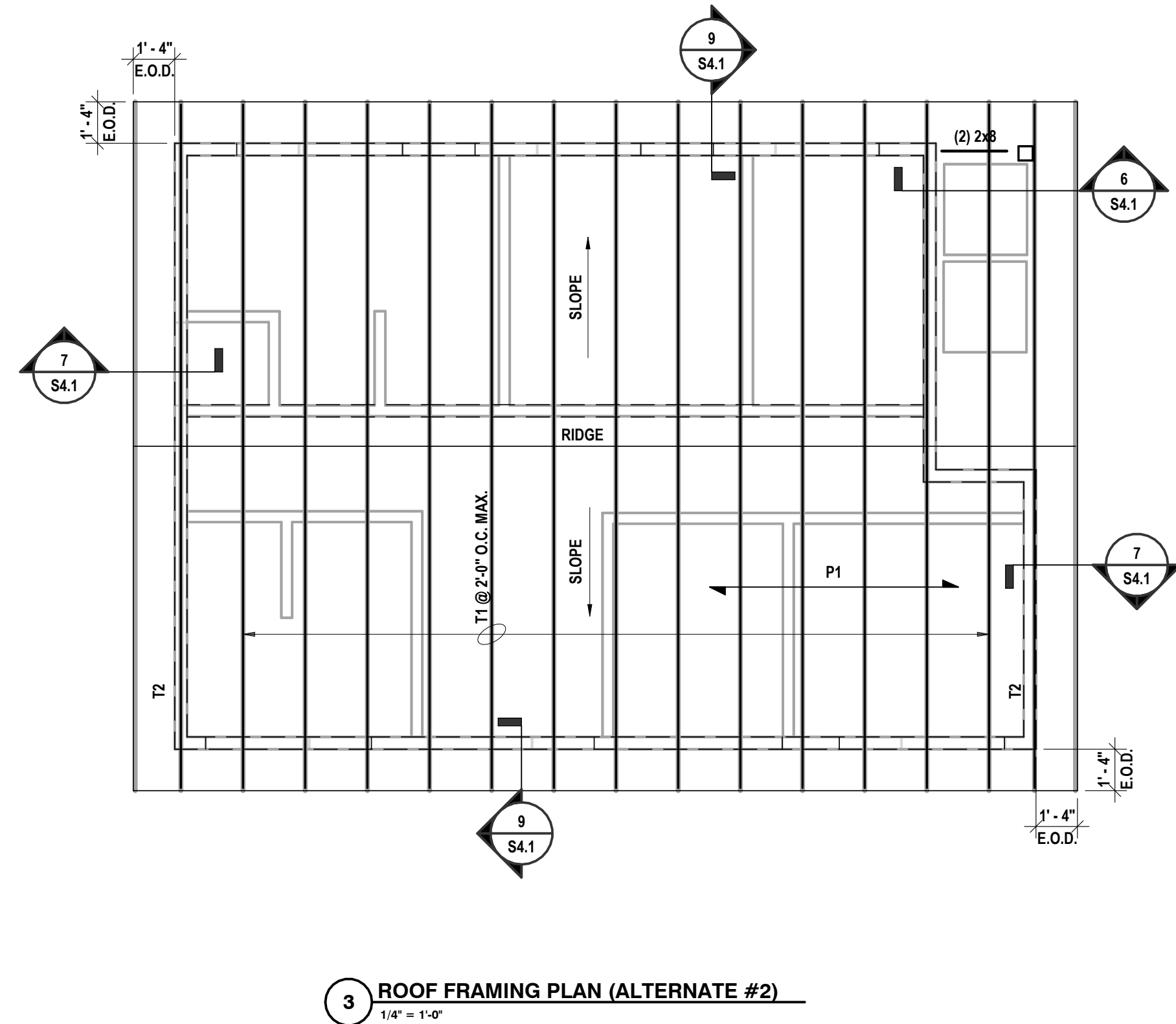
PLAN NOTES:

1. TOP OF ROOF SYSTEM = 14'-8" (50.83' ± V.I.F.), UNLESS NOTED. THIS IS TO BE THE REFERENCE ELEVATION FOR THIS LEVEL. ALL ELEVATIONS INDICATED (50'-0") ARE TAKEN FROM THIS REFERENCE ELEVATION.
2. SEE S0.1 FOR GENERAL NOTES.
3. SEE S4.1 FOR TYPICAL DETAILS.
4. P1 = 2x4 FLAT USE PURLINS AT 2'-0" O.C. MAXIMUM WITH METAL ROOFING. SEE "A" SERIES DRAWINGS FOR ROOFING INFORMATION.
5. SEE S4.1 FOR TYPICAL LINTEL SCHEDULE AND DETAILS.
6. ALL JOISTS ARE SPACED EVENLY BETWEEN WALL LINES UNLESS NOTED.
7. COORDINATE SIZE AND LOCATION OF ALL OPENINGS, INFILLS, AND SLEEVES WITH OTHER CONTRACTED WORK. PROVIDE SUPPORTS AT CURBS AND OPENINGS PER THE TYPICAL DETAILS.



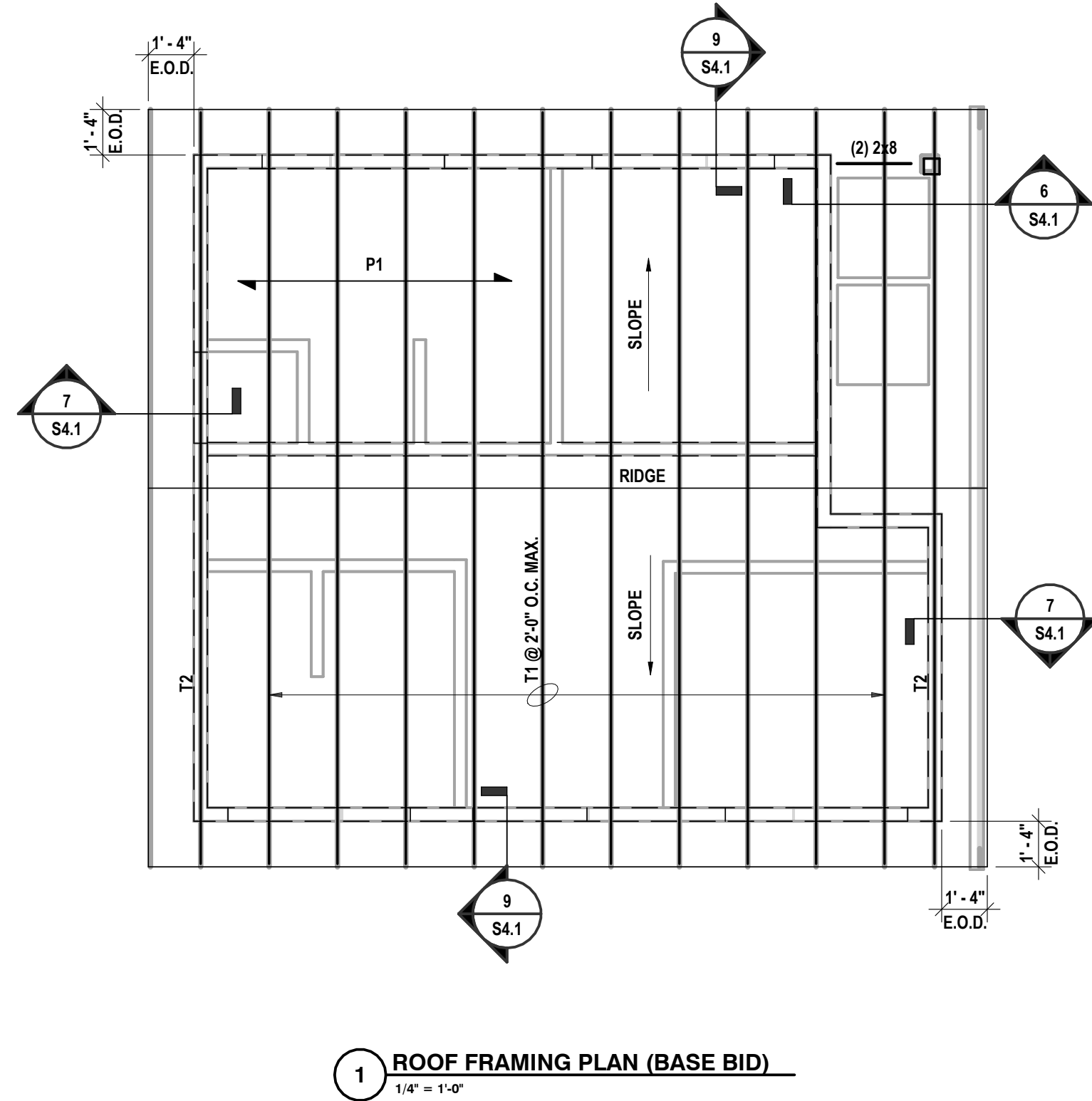
PLAN NOTES:

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6. ALL JOISTS ARE SPACED EVENLY BETWEEN WALL LINES UNLESS NOTED.
7. COORDINATE SIZE AND LOCATION OF ALL OPENINGS, INFILLS, AND SLEEVES WITH OTHER CONTRACTED WORK. PROVIDE SUPPORTS AT CURBS AND OPENINGS PER THE TYPICAL DETAILS.



PLAN NOTES:

1. TRUSS BEARING ELEVATION = 8'-0" (495.25' ± V.I.F.), UNLESS NOTED. THIS IS TO BE THE REFERENCE ELEVATION FOR THIS LEVEL. ALL ELEVATIONS INDICATED (50'-0") ARE TAKEN FROM THIS REFERENCE ELEVATION.
2. SEE S0.1 FOR GENERAL NOTES.
3. SEE S4.1 FOR TYPICAL DETAILS.
4. P1 = 2x4 FLAT USE PURLINS AT 2'-0" O.C. MAXIMUM WITH METAL ROOFING. SEE "A" SERIES DRAWINGS FOR ROOFING INFORMATION.
5. SEE S4.1 FOR TYPICAL LINTEL SCHEDULE AND DETAILS.
6. ALL JOISTS ARE SPACED EVENLY BETWEEN WALL LINES UNLESS NOTED.
7. COORDINATE SIZE AND LOCATION OF ALL OPENINGS, INFILLS, AND SLEEVES WITH OTHER CONTRACTED WORK. PROVIDE SUPPORTS AT CURBS AND OPENINGS PER THE TYPICAL DETAILS.



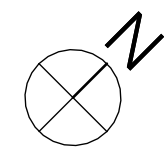
PLAN NOTES:

1. TRUSS BEARING ELEVATION = 8'-0" (495.25' ± V.I.F.), UNLESS NOTED. THIS IS TO BE THE REFERENCE ELEVATION FOR THIS LEVEL. ALL ELEVATIONS INDICATED (50'-0") ARE TAKEN FROM THIS REFERENCE ELEVATION.
2. SEE S0.1 FOR GENERAL NOTES.
3. SEE S4.1 FOR TYPICAL DETAILS.
4. P1 = 2x4 FLAT USE PURLINS AT 2'-0" O.C. MAXIMUM WITH METAL ROOFING. SEE "A" SERIES DRAWINGS FOR ROOFING INFORMATION.
5. SEE S4.1 FOR TYPICAL LINTEL SCHEDULE AND DETAILS.
6. ALL JOISTS ARE SPACED EVENLY BETWEEN WALL LINES UNLESS NOTED.
7. COORDINATE SIZE AND LOCATION OF ALL OPENINGS, INFILLS, AND SLEEVES WITH OTHER CONTRACTED WORK. PROVIDE SUPPORTS AT CURBS AND OPENINGS PER THE TYPICAL DETAILS.

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CHECKED BY: NGB	
DATE: 10/14/2025	
PHASE: CD	
DESCRIPTION OF REVISION: ISSUED FOR BID	
# DATE:	1 10/12/2026
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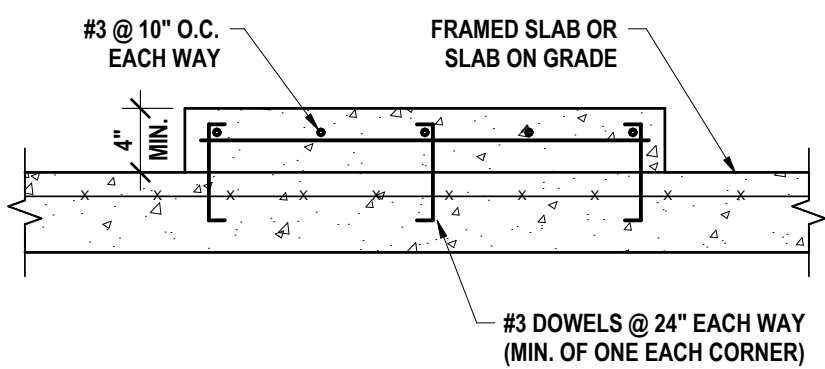
HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607-258-1000 ROCHESTER, NY 585-537-7868 TOWNAND, PA 570-265-4668
BINGHAMTON, NY 607-738-8881 ALBANY, NY 607-738-8801
WWW.HUNTEAS.COM
NY CERTIFICATE NO. 0016220 PA CERTIFICATE NO. TSC2200131464-1

ROOF FRAMING PLANS
HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

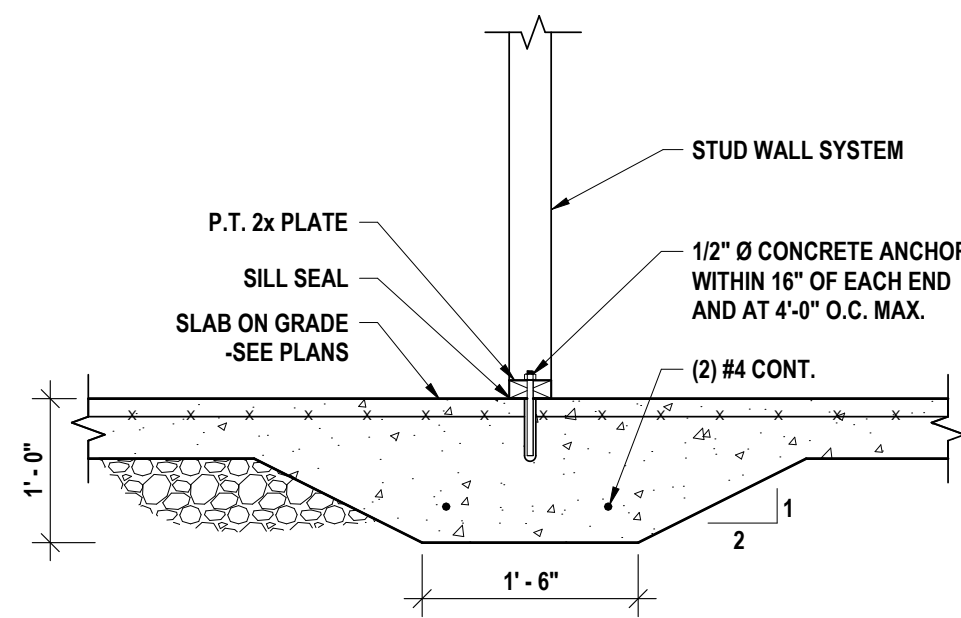


S1.2

PROJECT NO: 1544-010

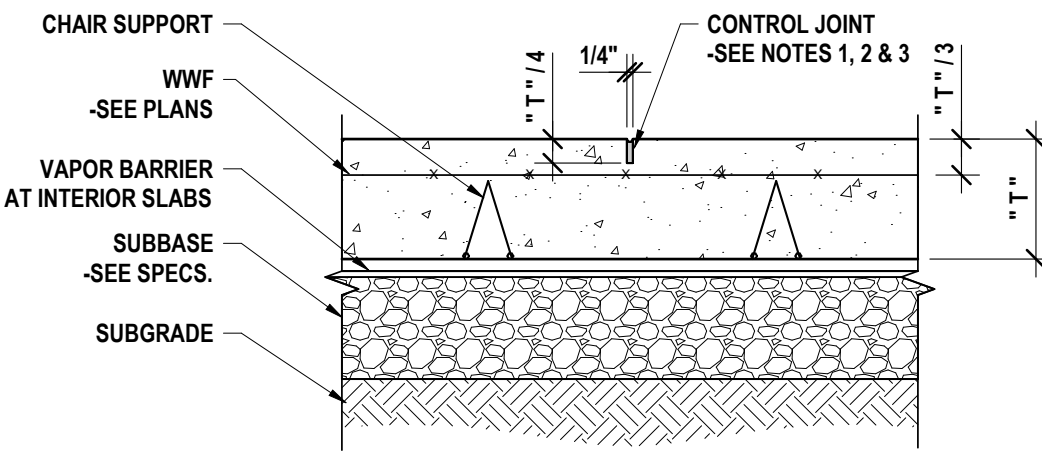


6 CONCRETE PAD FOR EQUIPMENT
3/4\" = 1'-0"



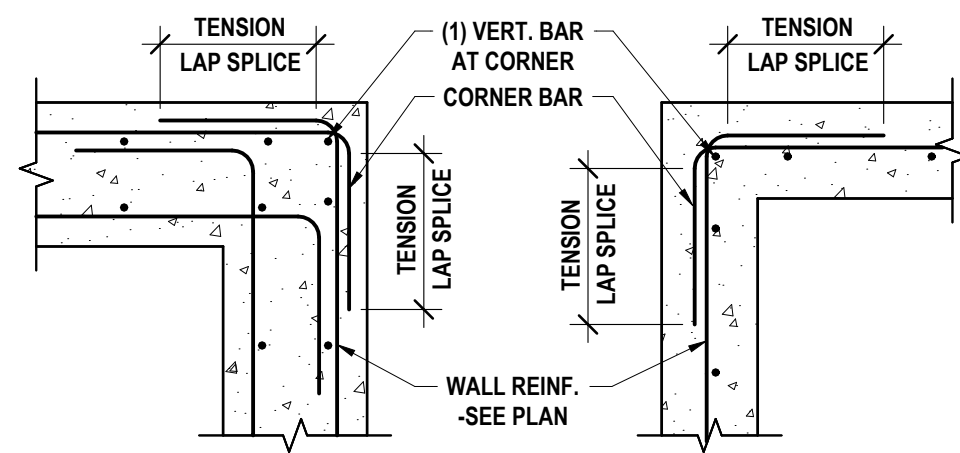
NOTES:
1. FOR USE AT ALL INTERIOR LOAD BEARING WALLS WHERE NO OTHER FOOTING IS SHOWN.

5 THICKENED SLAB AT LOAD BEARING STUD
3/4\" = 1'-0"



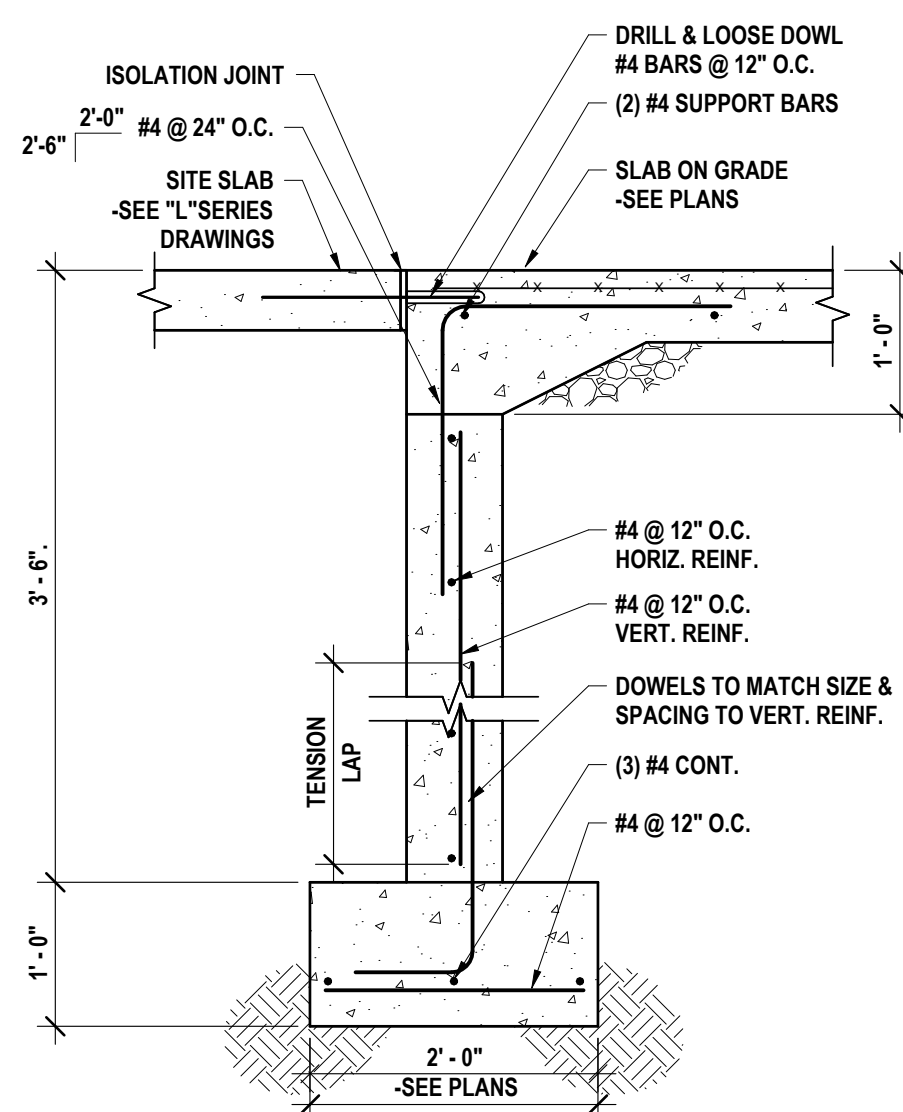
NOTES:
1. FORM THE CONTROL JOINT USING A PREFORMED REMOVABLE PLASTIC OR HARD BOARD INSERT. TOOL THE EDGES ON EACH SIDE OF INSERT.
2. SAW CUTS ARE PERMITTED AS CONTROL JOINTS. A "SOFF-CUT" MACHINE OR EQUAL SHALL BE USED DIRECTLY AFTER FINISHING SLAB.
3. FILL CONTROL JOINT WITH SEALANT AFTER THE SLAB HAS BEEN CURED

4 TYPICAL SLAB ON GRADE AND CONTROL JOINT
1 1/2\" = 1'-0"

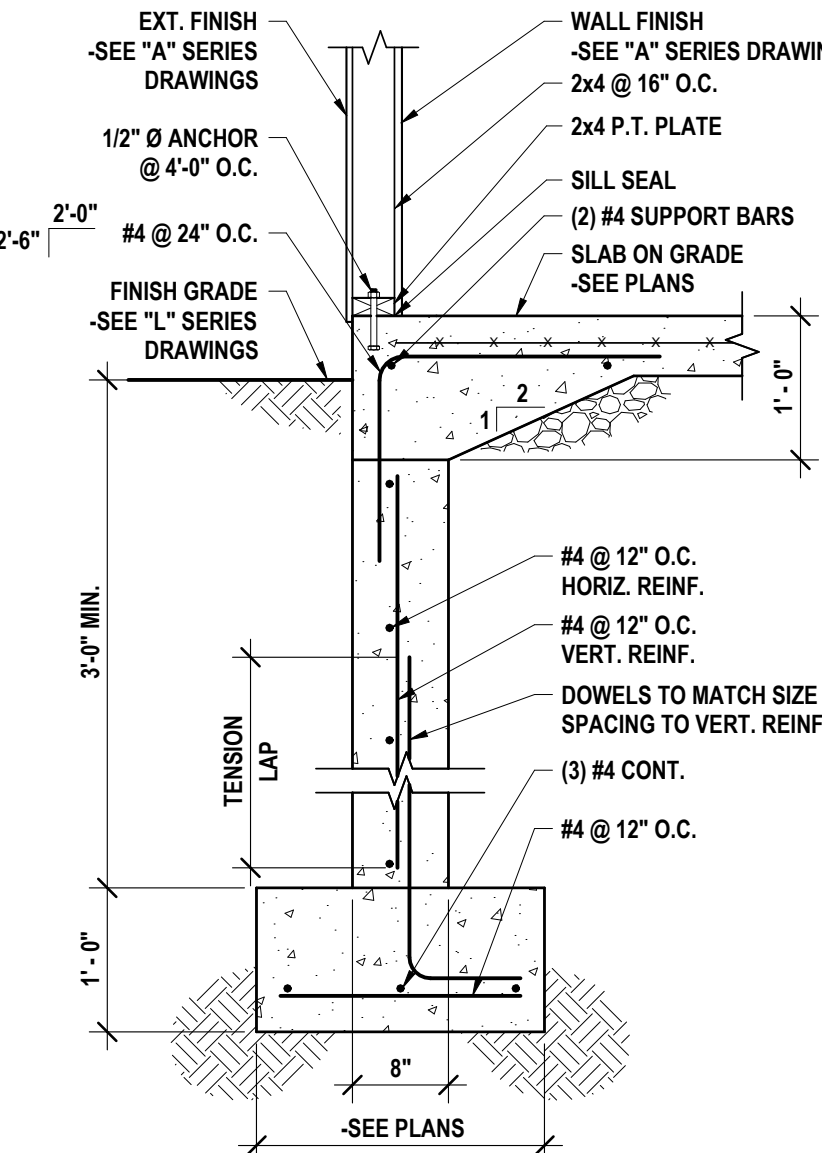


NOTES:
1. DOWEL BARS SHALL BE THE SAME SIZE AND SPACING AND HORIZONTAL REINFORCEMENT
2. SEE TENSION LAP SPICE SCHEDULE FOR LAP LENGTHS

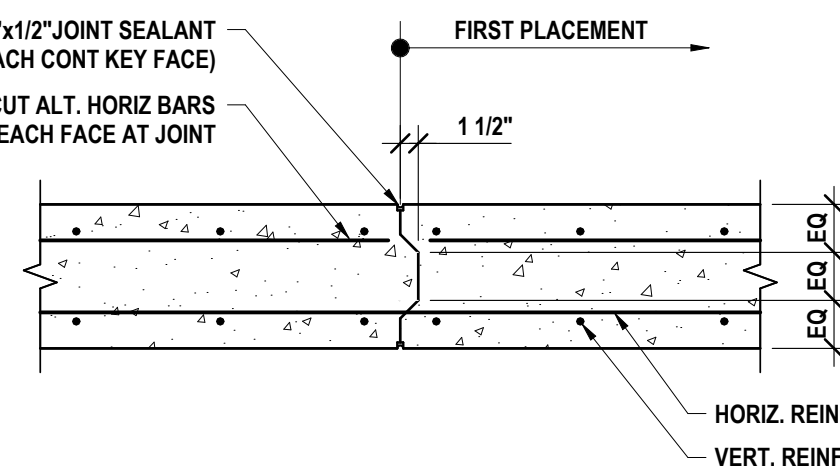
3 CONCRETE WALL PLAN AT CORNER
3/4\" = 1'-0"



8 SLAB EDGE AT DOOR
3/4\" = 1'-0"

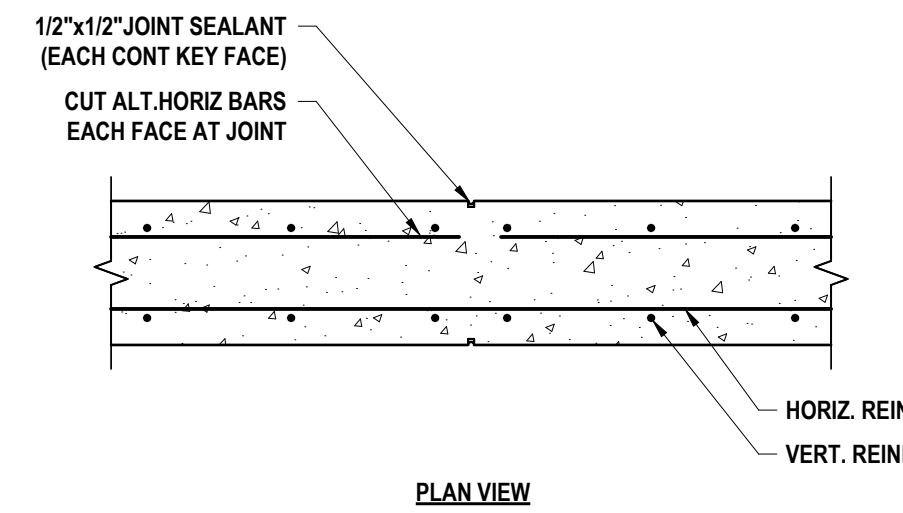


7 EXTERIOR WALL FOUNDATION
3/4\" = 1'-0"



NOTES:
1. CONSTRUCTION JOINTS MAY REPLACE A CONTROL JOINT AS REQUIRED.
2. DO NOT USE THIS DETAIL FOR SHEARWALLS OR WALLS DESIGNED TO SPAN HORIZONTALLY (NOTED ON PLANS).

2 CONCRETE WALL CONSTRUCTION JOINT
3/4\" = 1'-0"



NOTES:
1. PROVIDE CONTROL JOINTS OR CONSTRUCTION JOINTS AT 20'-0\"/>

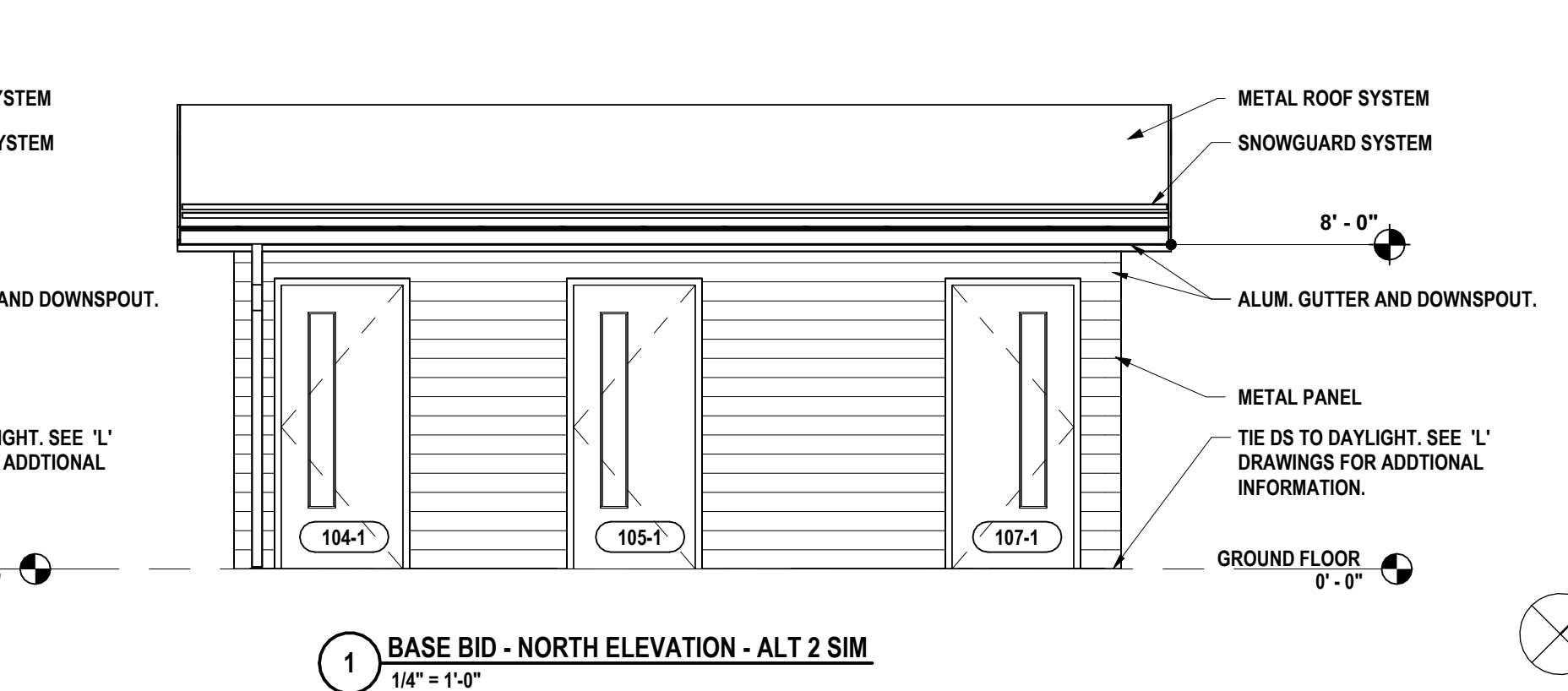
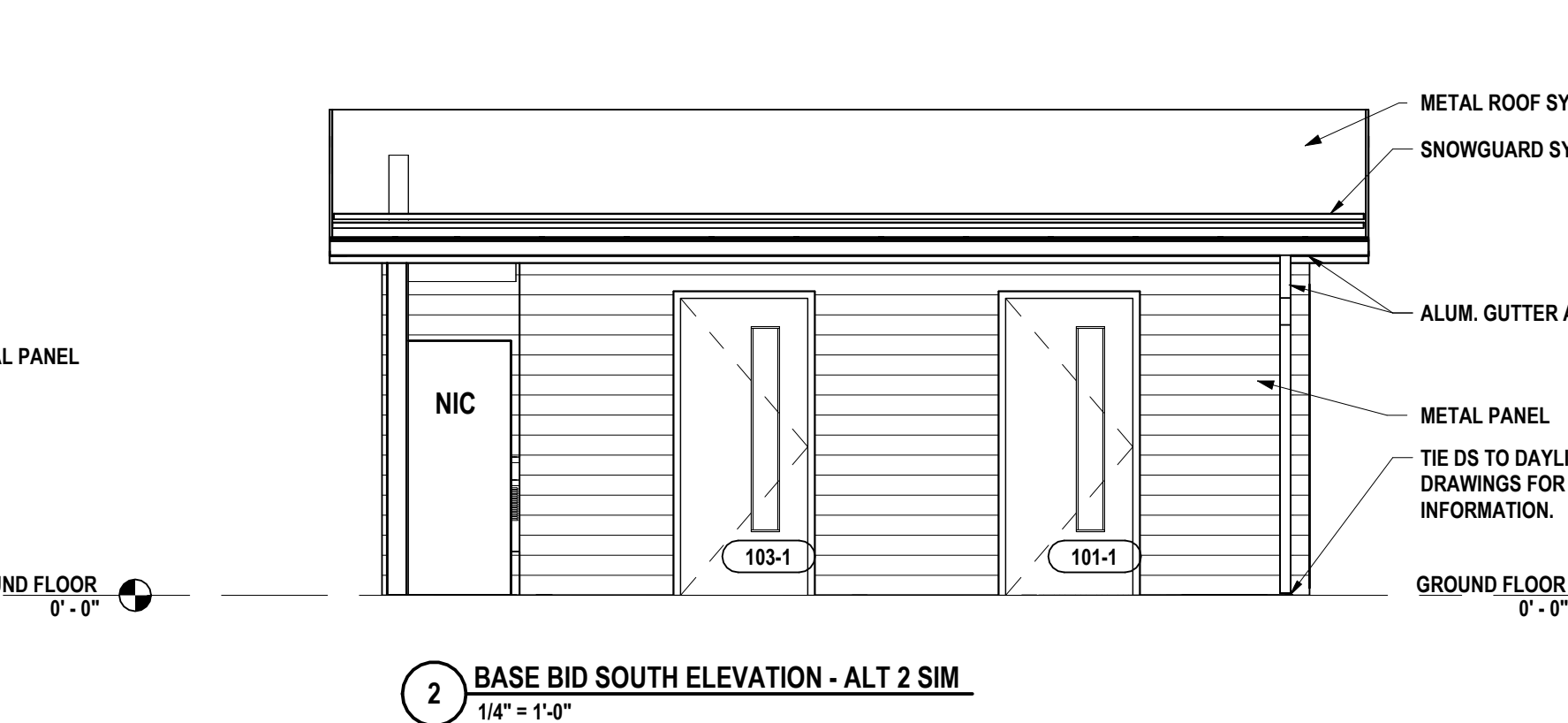
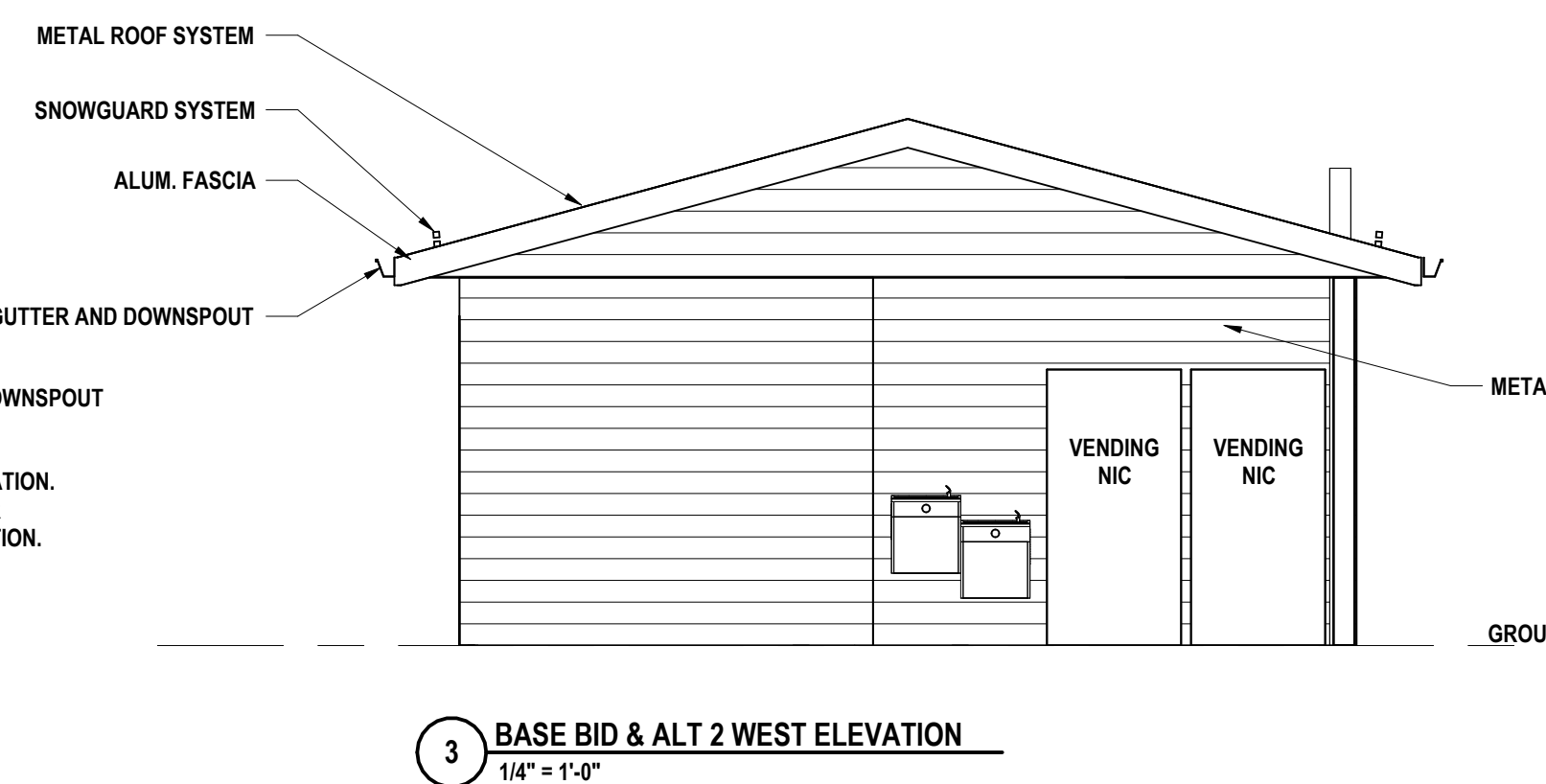
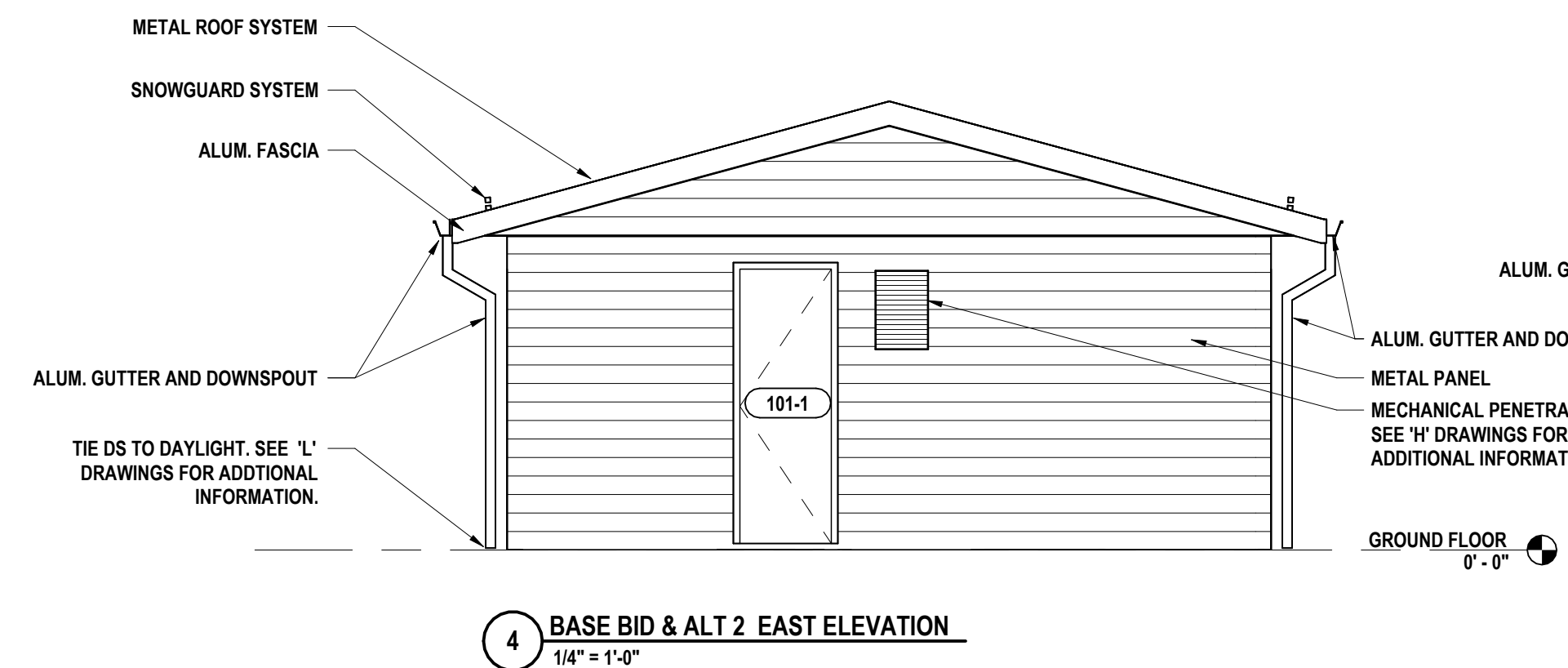
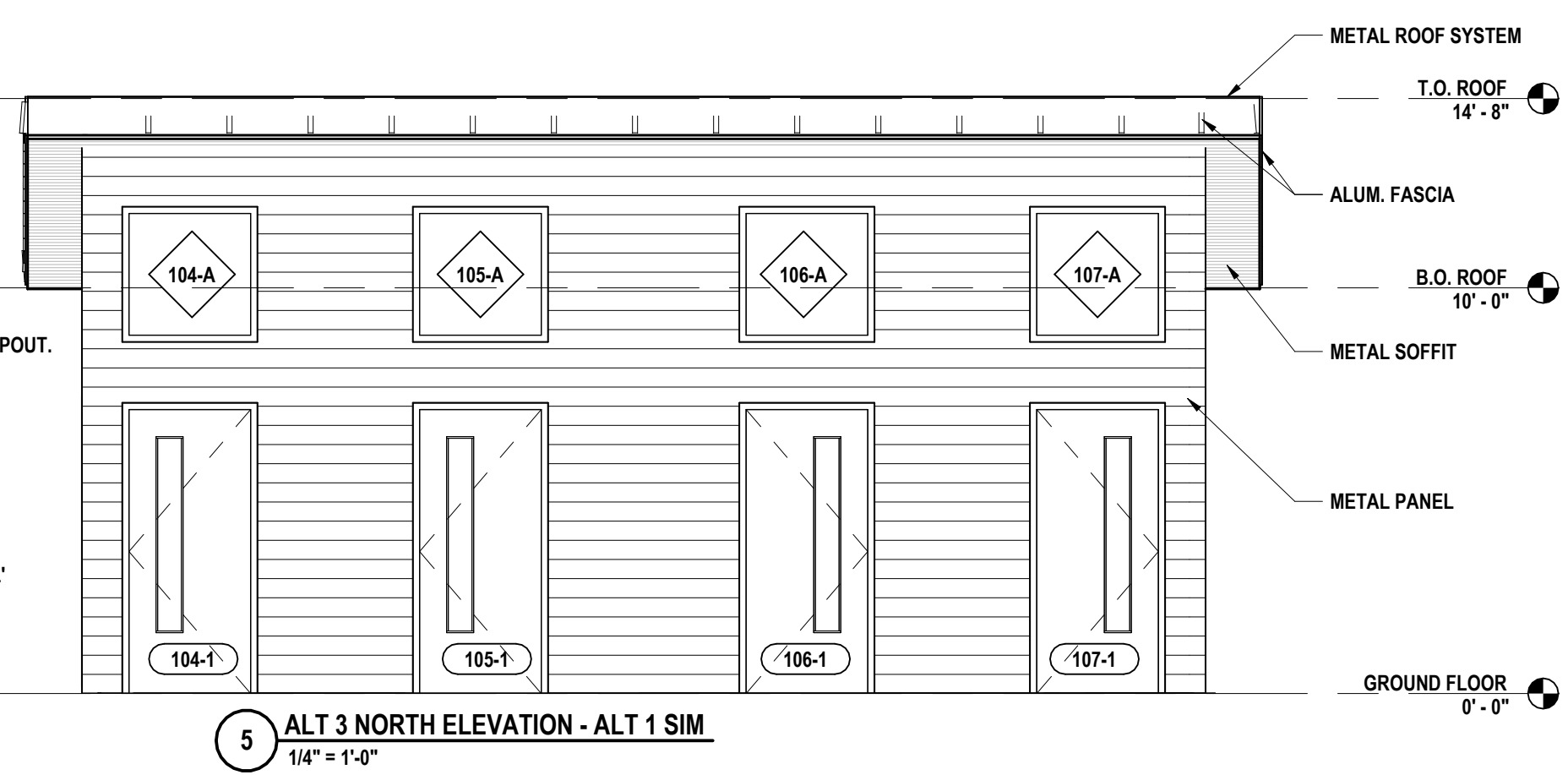
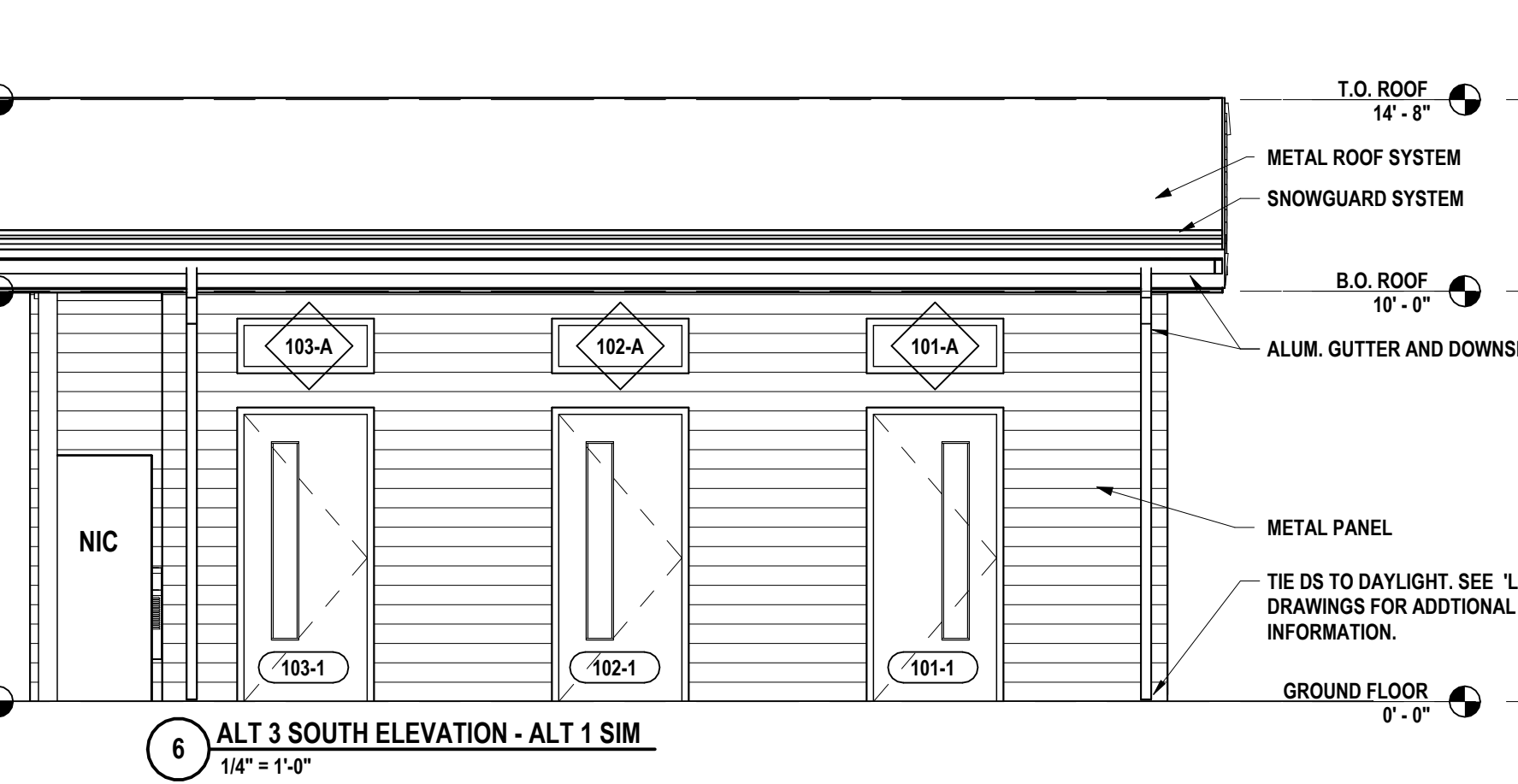
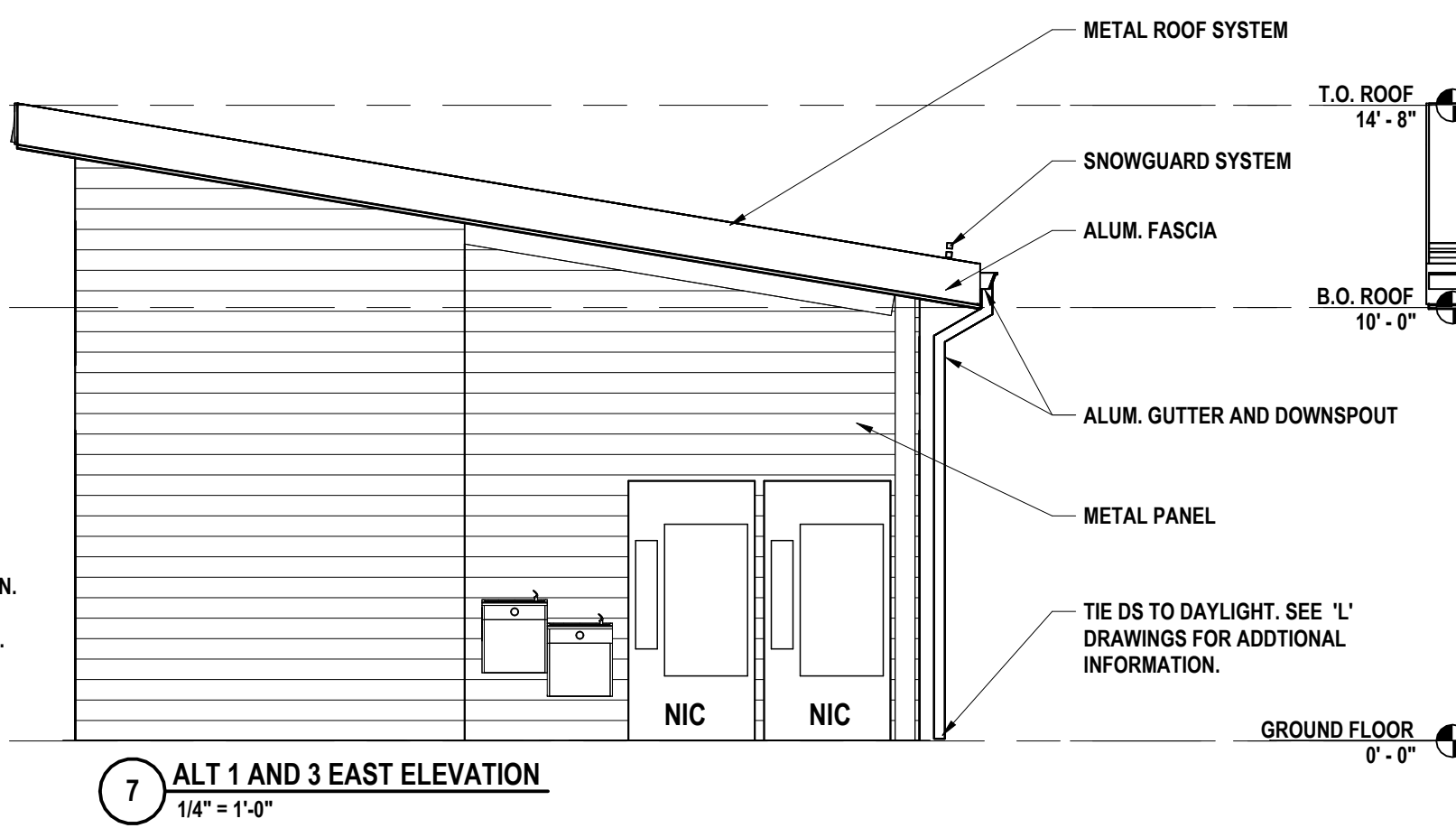
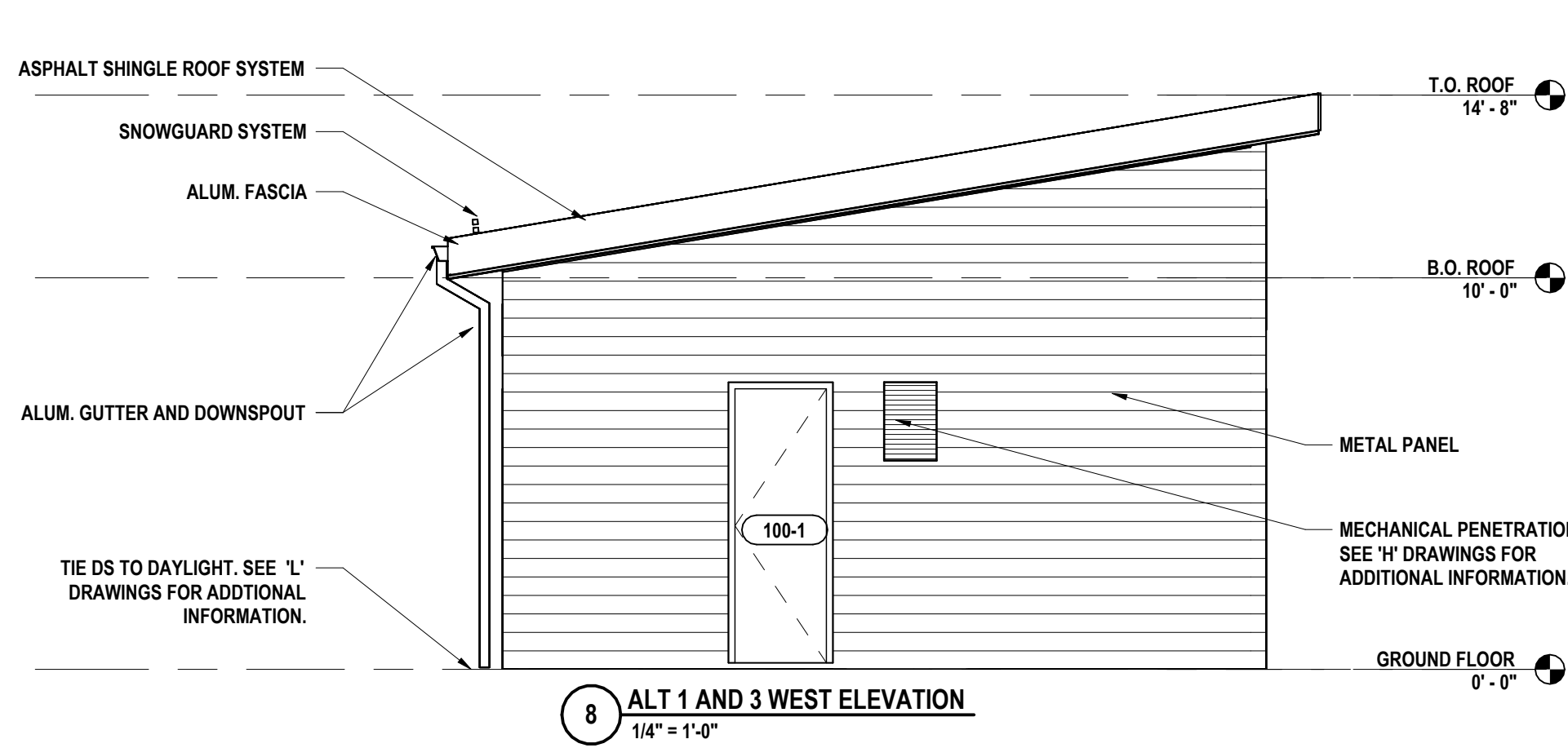
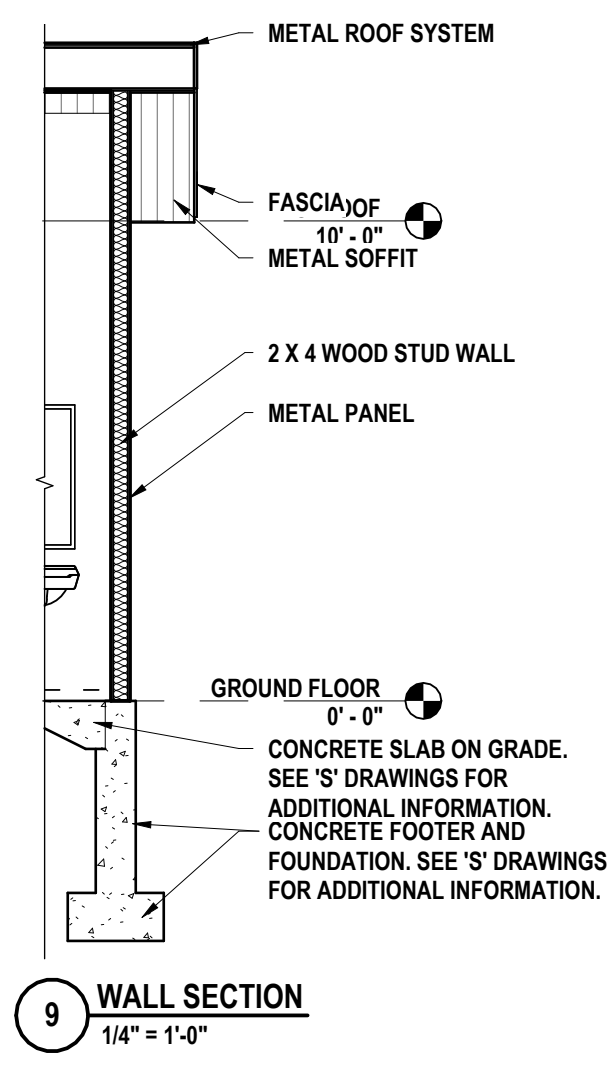
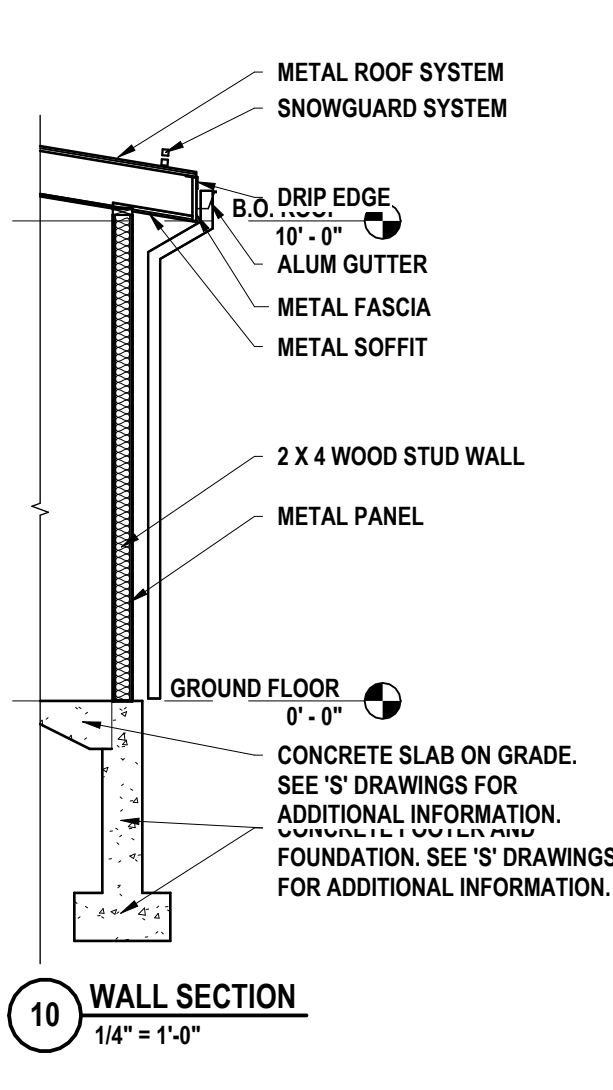
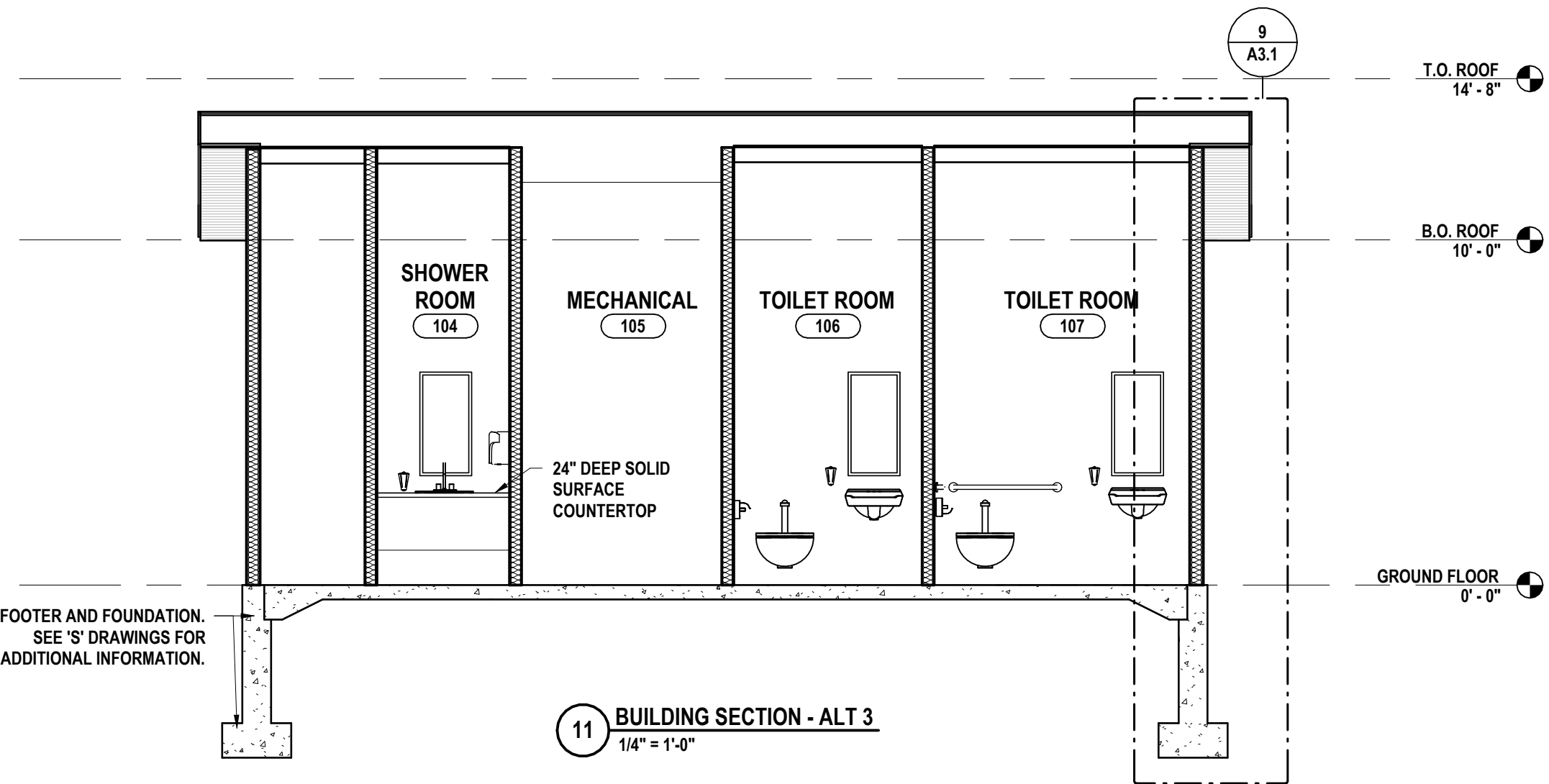
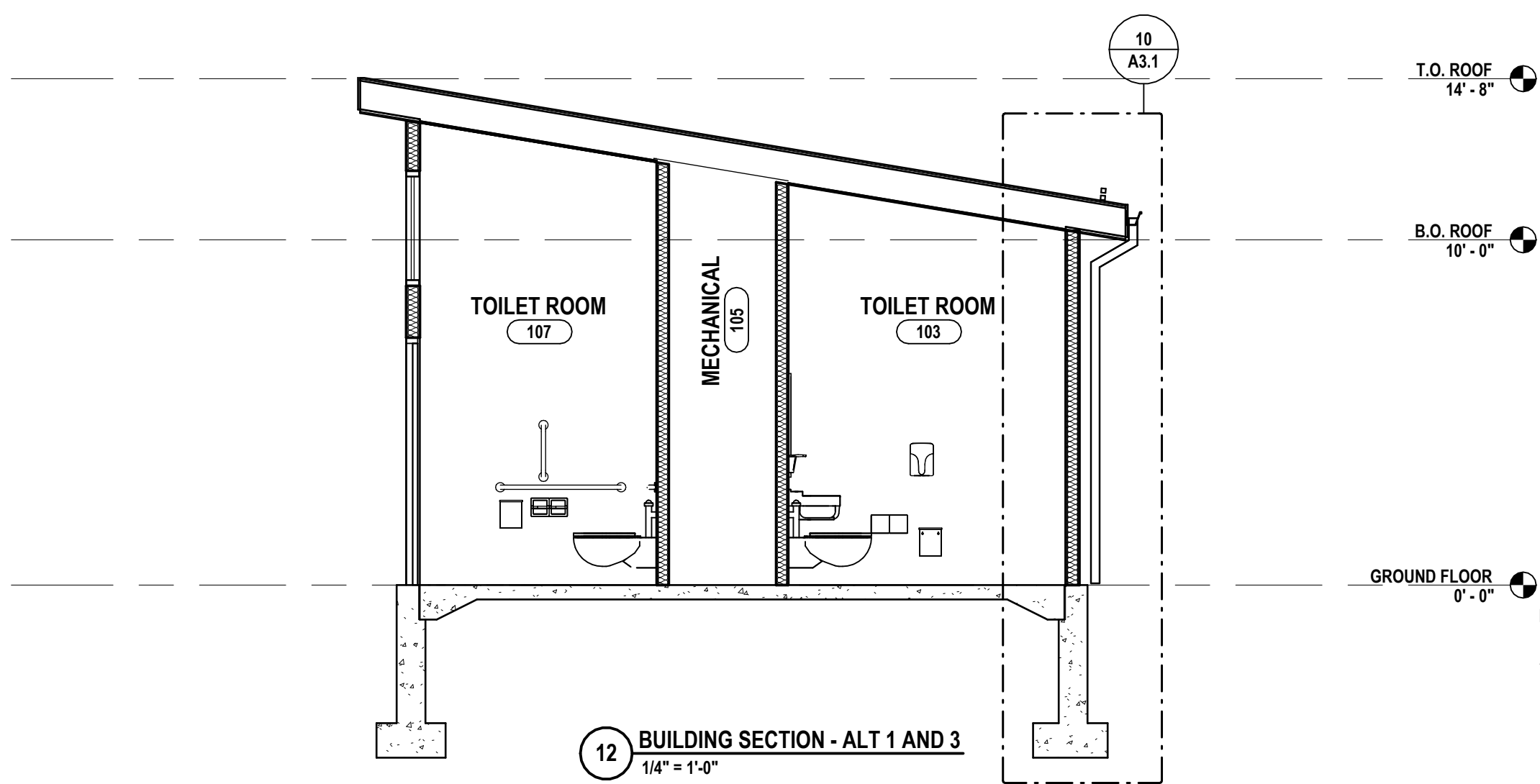
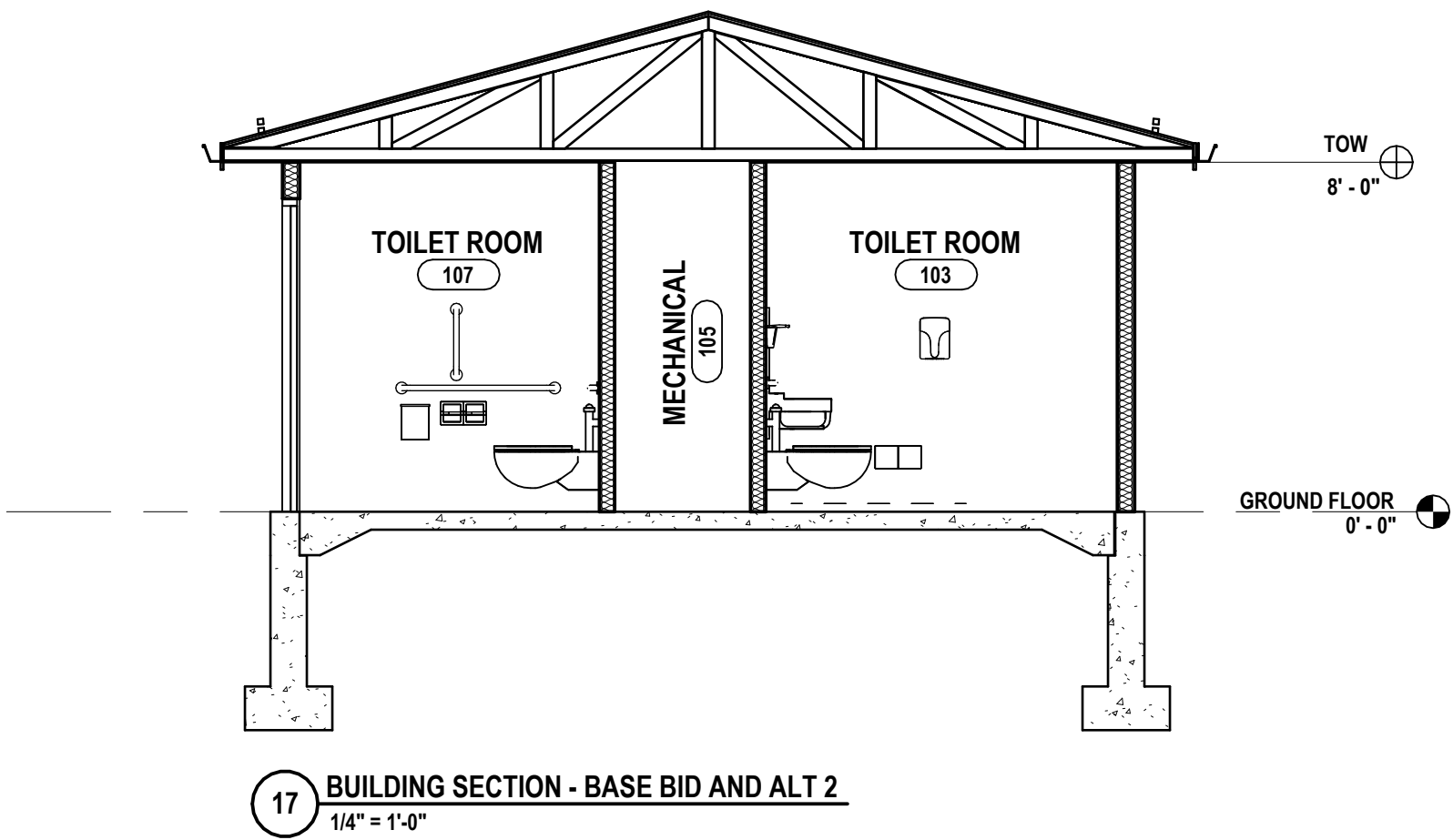
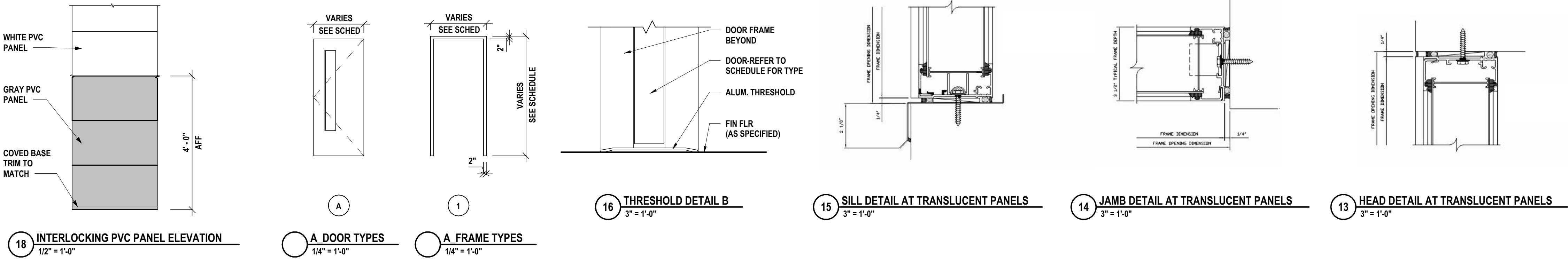
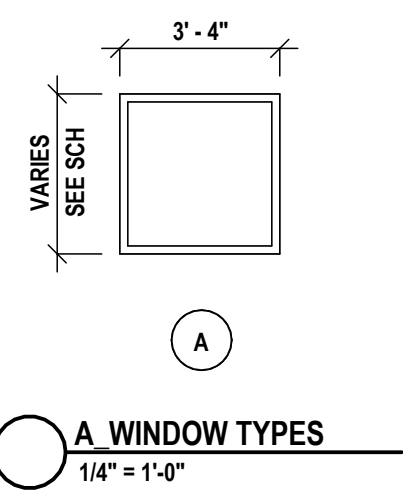
1 CONCRETE WALL CONTROL JOINT
3/4\" = 1'-0"

TENSION DEVELOPMENT AND LAP SPICE LENGTHS FOR BARS IN WALLS, SLABS, AND FOOTINGS (ACI 25.4.2.3)																									
BAR SIZE	LAP CLASS	CONCRETE COVER = 0.75 IN.						CONCRETE COVER = 1.50 IN.						CONCRETE COVER = 2.00 IN.						CONCRETE COVER = 3.00 IN.					
		UNCOATED		EPOXY COATED		UNCOATED		EPOXY COATED		UNCOATED		EPOXY COATED		UNCOATED		EPOXY COATED		UNCOATED		EPOXY COATED					
		TOP	OTHER	TOP	OTHER 2	TOP	OTHER	TOP	OTHER 2	TOP	OTHER	TOP	OTHER 2	TOP	OTHER	TOP	OTHER 2	TOP	OTHER	TOP	OTHER 2				
#3	A	12	12	15	13	12	12	15	13	12	12	15	13	12	12	15	13	12	12	15	13				
	B	15	12	19	17	15	12	19	17	15	12	19	17	15	12	19	17	15	12	19	17				
#4	A	19	15	24	22	15	12	20	17	15	12	20	17	15	12	20	17	15	12	20	17				
	B	24	19	32	28	20	15	25	22	20	15	25	22	20	15	25	22	20	15	25	22				
#5	A	28	21	36	32	19	15	24	22	19	15	24	22	19	15	24	22	19	15	24	22				
	B	36	28	47	41	24	19	32	28	24	19	32	28	24	19	32	28	24	19	32	28				
#6	A	37	29	49	43	22	17	29	26	22	17	29	26	22	17	29	26	22	17	29	26				
	B	48	37	63	56	29	22	38	34	29	22	38	34	29	22	38	34	29	22	38	34				
#7	A	78	60	102	90	48	37	62	55	42	33	55	49	42	33	55	49	42	33	55	49				
	B	74	57	97	86	47	36	61	54	37	29	49	43	37	29	49	43	37	29	49	43				
#8	A	96	74	126	111	60	47	79	70	48	37	63	56	48	37	63	56	48	37	63	56				
	B	90	69	117	104	57	44	75	66	46	36	60	53	42	32	55	48	41	32	55	48				
#9	A	108	83	141	125	70	54	92	81	57	44	74	66	47	36	62	55	48	41	32	55				
	B	117	90	153	135	74	57	97	86	60	46	78	69	55	42	71	63	56	48	41	32				
#10	A	140	108	183	162	91	70	119	105	74	57	97	85	61	47	80	71	63	56	48	41				
	B	127	98	166	146	84	64	109	97	68	53	89	79	52	40	69	60	52	40	69	60				
#11	A	165	127	215	190	109	84	142	125	89	68	116	102	68	52	89	79	71	63	56	48				
	B	165	127	215	190	109	84	142	125	89	68	116	102	68	52	89	79	71	63	56	48				

NOTES:
1. TABULATED VALUES ARE BASED ON A MINIMUM YIELD STRENGTH OF 60,000 PSI AND NORMAL-WEIGHT CONCRETE. LENGTHS ARE IN INCHES.
2. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPICE LENGTHS ARE CALCULATED PER ACI 318-14, SECTIONS 25.4.2.3 AND 25.5.1 RESPECTIVELY, WITH BAR SIZES LIMITED TO #3 THROUGH #11.
3. WHEN THE VARIABLE "C" FROM ACI 25.4.2.3 WAS CALCULATED, IT WAS ASSUMED THAT CONCRETE COVER CONTROLLED. THAT IS, C = C. SPACING WAS ASSUMED TO BE GREATER THAN 1.0 d, PLUS TWICE THE CONCRETE COVER.
4. LAP SPICE LENGTHS (MINIMUM OF 12 INCHES) ARE MULTIPLES OF TENSION DEVELOPMENT LENGTHS: CLASS A = 1.0 L, AND CLASS B = 1.3 L, (ACI 318 25.5.1) WHEN DETERMINING THE LAP SPICE LENGTH, L, IS CALCULATED WITHOUT THE 12 INCH MINIMUM OF ACI 25.4.2.1.
5. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
6. FOR EPOXY-COATED BARS, IF THE C-C SPACING IS AT LEAST 7.0 d, AND THE CONCRETE COVER IS AT LEAST 3.0 d, THEN LENGTHS MAY BE MULTIPLIED BY 0.918 (FOR TOP BARS) OR 0.8 (FOR OTHER BARS).
7. FOR GRADE 75 REINFORCING BARS, MULTIPLY THE TABULATED VALUE BY 1.25. FOR GRADE 80 REINFORCING BARS, MULTIPLY THE TABULATED VALUES BY 1.33.
8. FOR LIGHTWEIGHT CONCRETE, DIVIDE THE TABULATED VALUES BY 0.75.

DOOR SCHEDULE														
#	DOOR					HDWR SET		FRAME		DETAIL			NOTES	
	TYPE	SIZE	THICK.	MATL.	FINISH			TYPE	MATL.	FINISH	HEAD	JAMB		SILL
101-1	A		2' - 4" x 7' - 0"	1 3/4"	HM	PNT	1.0	1	HM	PNT	13/ A3.1	14/ A3.1	16/ A3.1 SIM 2" AFF	FROSTED GLASS
102-1	A		3' - 0" x 7' - 0"	1 3/4"	HM	PNT	2.0	1	HM	PNT	13/ A3.1	14/ A3.1	16/ A3.1	FROSTED GLASS
103-1	A		3' - 0" x 7' - 0"	1 3/4"	HM	PNT	2.0	1	HM	PNT	13/ A3.1	14/ A3.1	16/ A3.1	FROSTED GLASS
104-1	A		3' - 0" x 7' - 0"	1 3/4"	HM	PNT	2.0	1	HM	PNT	13/ A3.1	14/ A3.1	16/ A3.1	FROSTED GLASS
105-1	A		3' - 0" x 7' - 0"	1 3/4"	HM	PNT	1.0	1	HM	PNT	13/ A3.1	14/ A3.1	16/ A3.1	FROSTED GLASS
106-1	A		3' - 0" x 7' - 0"	1 3/4"	HM	PNT	2.0	1	HM	PNT	13/ A3.1	14/ A3.1	16/ A3.1	FROSTED GLASS
107-1	A		3' - 0" x 7' - 0"	1 3/4"	HM	PNT	2.0	1	HM	PNT	13/ A3.1	14/ A3.1	16/ A3.1	FROSTED GLASS

TRANSLUCENT PANEL WALL SCHEDULE - ALT #1 AND 3												
NUMBER	FRAME			WIDTH	HEIGHT	FRAME		GLAZING	DETAIL			NOTES
	WINDOW TYPE					MATERIAL	FINISH		HEAD	JAMB	SILL	
101-A	A		3'-4"	1'-4"	AL	PAINTED	PER MANUFACTURER - TRANSLUCENT	9/ A3.1	10/ A3.1	11/ A3.1	KINGSPAN UNIGRID SYSTEM OR EQUAL.	
102-A	A		3'-4"	1'-4"	AL	PAINTED	PER MANUFACTURER - TRANSLUCENT	9/ A3.1	10/ A3.1	11/ A3.1	KINGSPAN UNIGRID SYSTEM OR EQUAL.	
103-A	A		3'-4"	1'-4"	AL	PAINTED	PER MANUFACTURER - TRANSLUCENT	9/ A3.1	10/ A3.1	11/ A3.1	KINGSPAN UNIGRID SYSTEM OR EQUAL.	
104-A	A		3'-4"	3'-4"	AL	PAINTED	PER MANUFACTURER - TRANSLUCENT	9/ A3.1	10/ A3.1	11/ A3.1	KINGSPAN UNIGRID SYSTEM OR EQUAL.	
105-A	A		3'-4"	3'-4"	AL	PAINTED	PER MANUFACTURER - TRANSLUCENT	9/ A3.1	10/ A3.1	11/ A3.1	KINGSPAN UNIGRID SYSTEM OR EQUAL.	
106-A	A		3'-4"	3'-4"	AL	PAINTED	PER MANUFACTURER - TRANSLUCENT	9/ A3.1	10/ A3.1	11/ A3.1	KINGSPAN UNIGRID SYSTEM OR EQUAL.	
107-A	A		3'-4"	3'-4"	AL	PAINTED	PER MANUFACTURER - TRANSLUCENT	9/ A3.1	10/ A3.1	11/ A3.1	KINGSPAN UNIGRID SYSTEM OR EQUAL.	



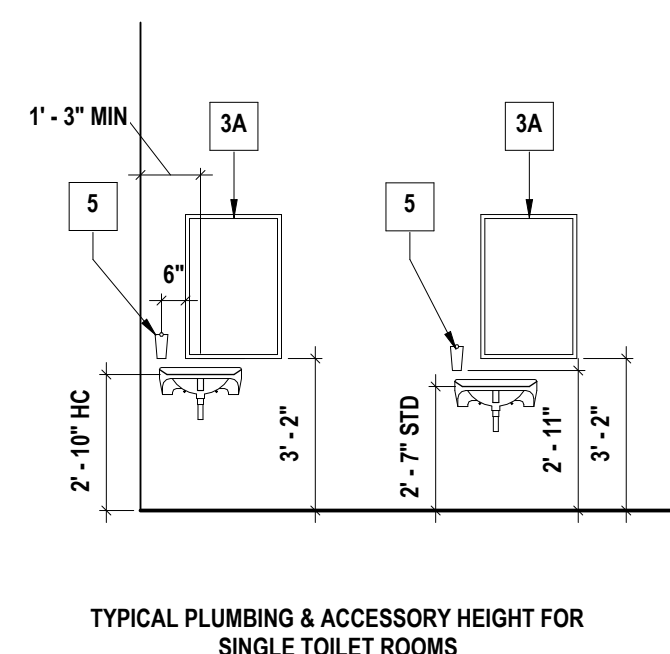
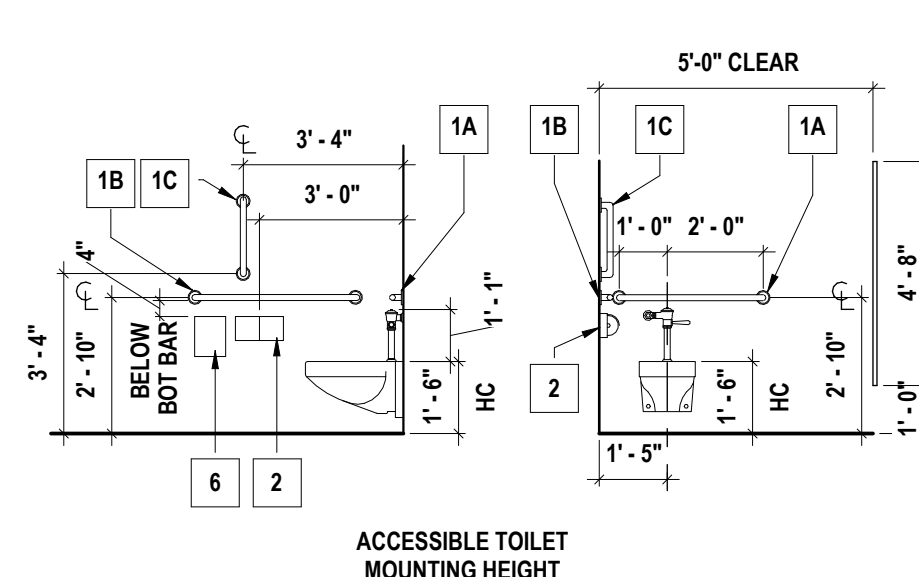
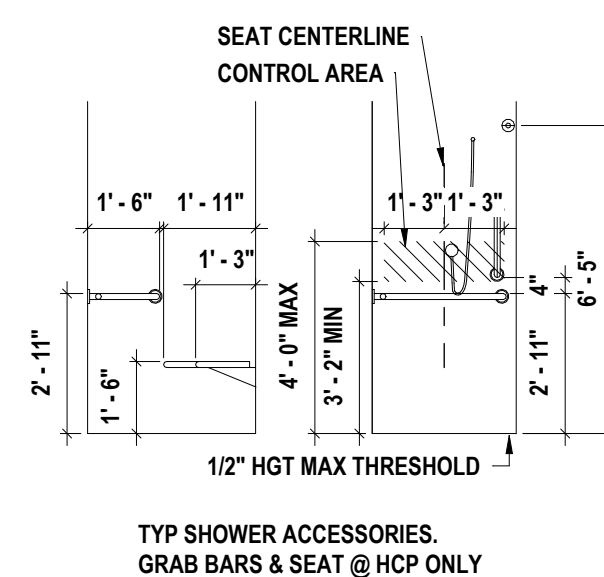
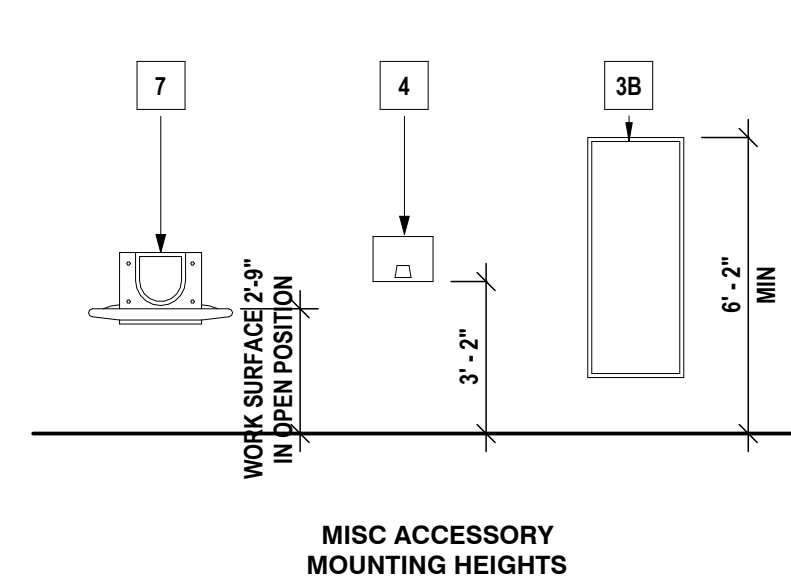
Drawn By: TRS
Checked By: MLS
Date: 10/14/2025
Phase: CD

DESCRIPTION OF REVISION:
1 10/12/2026 ISSUED FOR BID

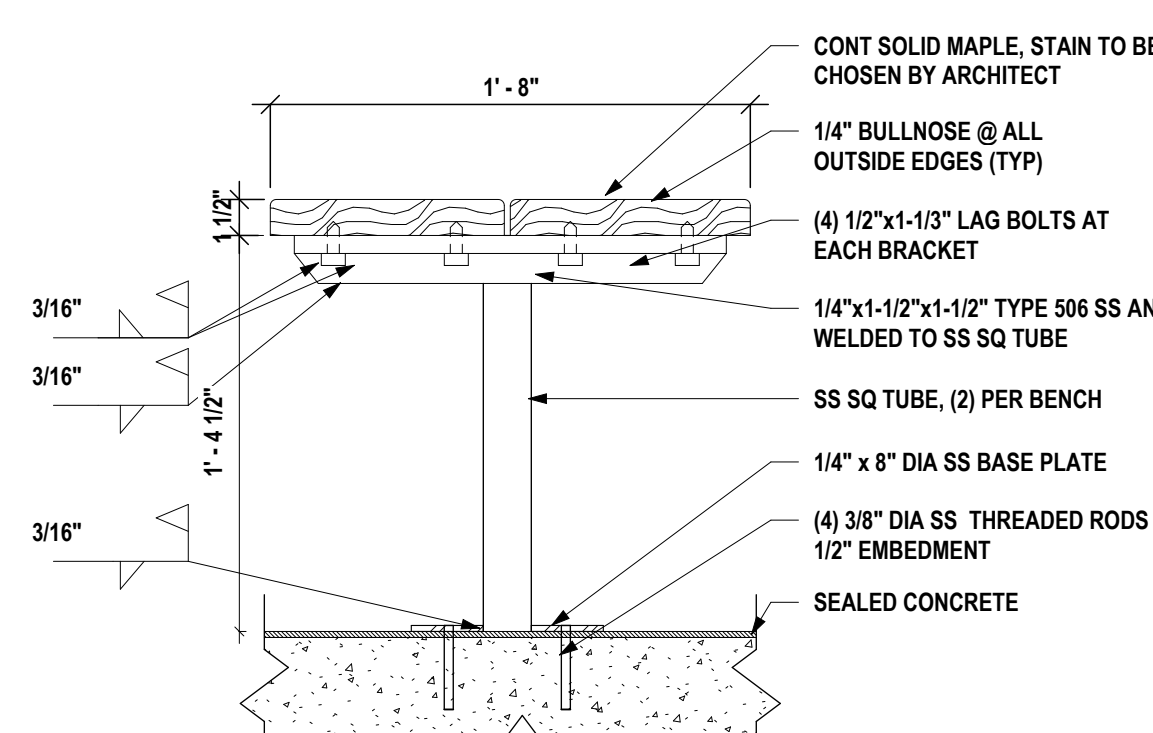
HUNT ENGINEERS | ARCHITECTS | SURVEYORS
Horseheads, NY 607-263-1000 Rochester, NY 585-337-7668 Tonawanda, PA 570-265-4668
Binghamton, NY 607-798-8881 Albany, NY 607-798-8801
www.hunteas.com
NY Certificate No. 0016220 PA Certificate No. TSC220313464-1

ELEVATIONS, SECTIONS, SCHEDULES AND DETAILS
HAVANA GLEN PARK IMPROVEMENTS EP237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865
A3.1
PROJECT NO: 1544-010

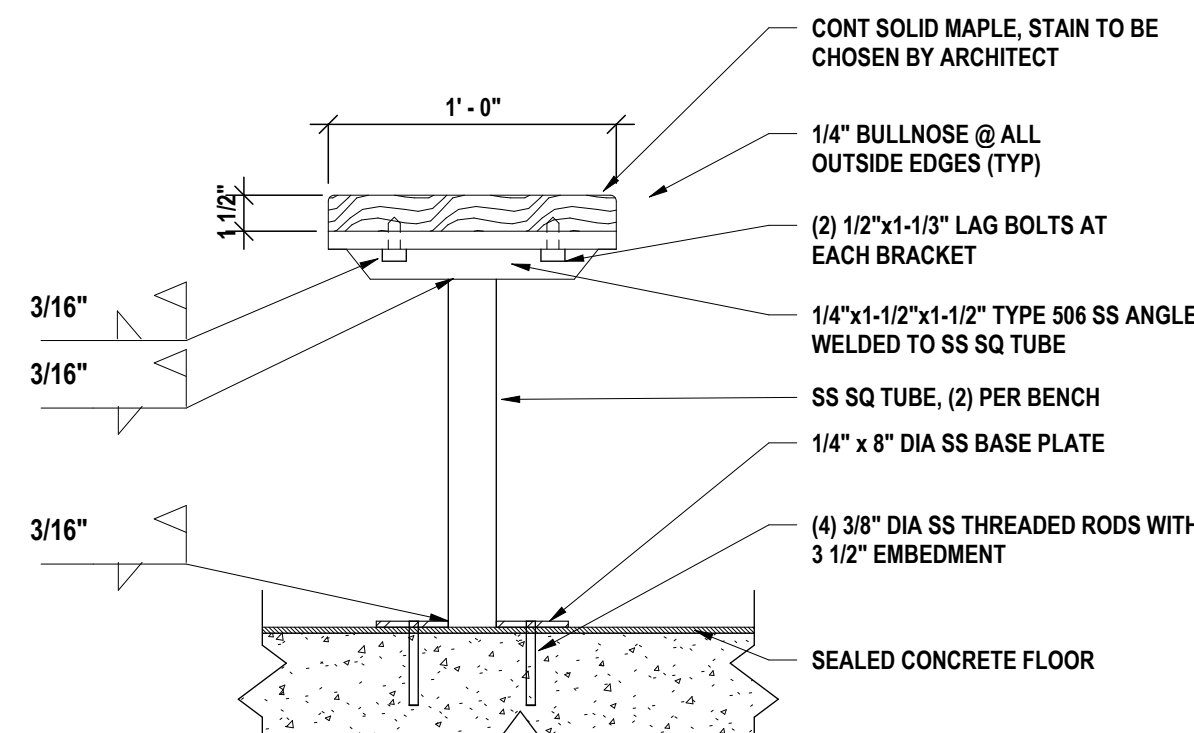
TOILET ROOM ACCESSORY SCHEDULE					
SYMBOL	DESCRIPTION	MANUFACT.	MODEL	SIZE	REMARKS
1A	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	36"	HORIZONTAL
1B	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	42"	HORIZONTAL
1C	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	18"	VERTICAL
2	TOILET TISSUE DISPENSER	FURNISHED BY OWNER	--	--	INSTALLED BY GC
3A	MIRROR	AMERICAN SPECIALTIES INC.	#600 SERIES	18" x 36"	SURFACE MOUNTED
3B	MIRROR	AMERICAN SPECIALTIES INC.	#600 SERIES	24" x 60"	SURFACE MOUNTED
4	ELECTRIC HAND DRYER	FURNISHED BY OWNER	--	--	INSTALLED BY GC
5	SOAP DISPENSER	FURNISHED BY OWNER	--	--	INSTALLED BY GC
6	SANITARY WASTE DISPOSAL	AMERICAN SPECIALTIES INC.	0852	7-1/2" x 10" x 3-7/8"	SURFACE MOUNTED
7	BOBY CHANGING STATION	AMERICAN SPECIALTIES INC.	REFER TO SPEC.		SURFACE MOUNTED



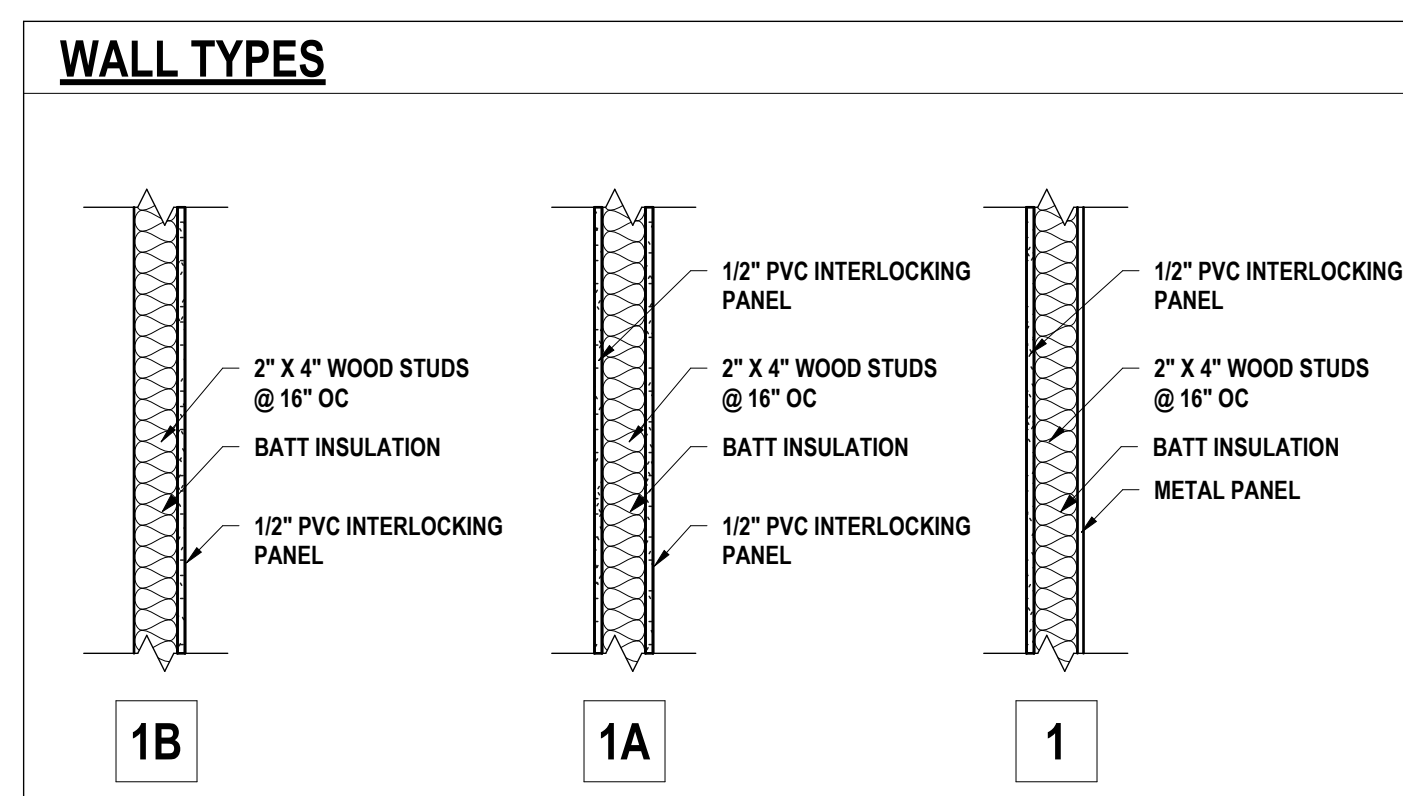
NOTES:
1. REFER TO FLOOR PLANS FOR QUANTITIES
2. ALL DIMENSIONS FROM FACE OF FINISHED FLOOR
OR WALL



5 BENCH DETAIL - ADA
1 1/2" = 1'-0"



4 BENCH DETAIL - TYP.
1 1/2" = 1'-0"



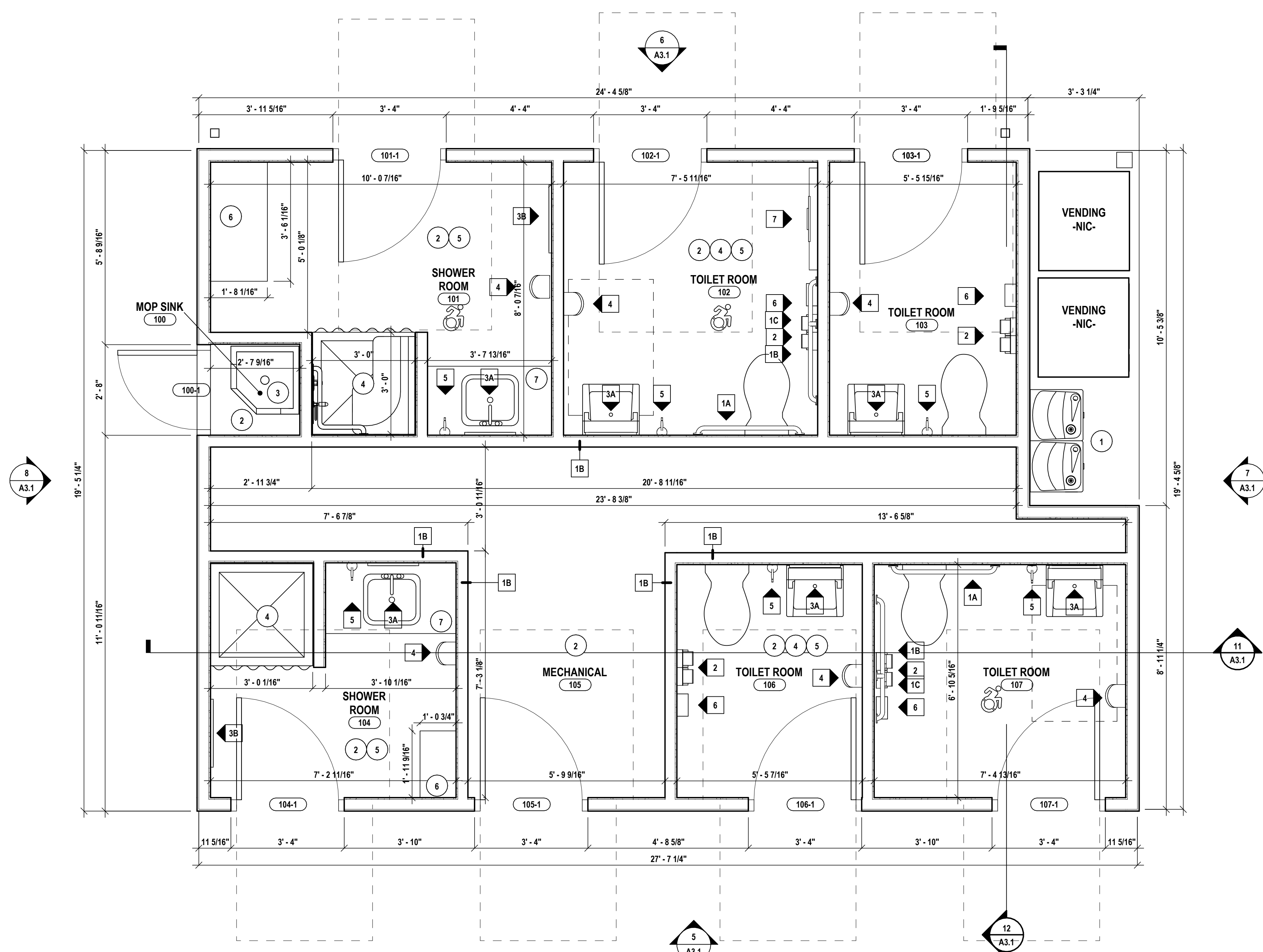
3 PARTITION TYPES

GENERAL NOTES:

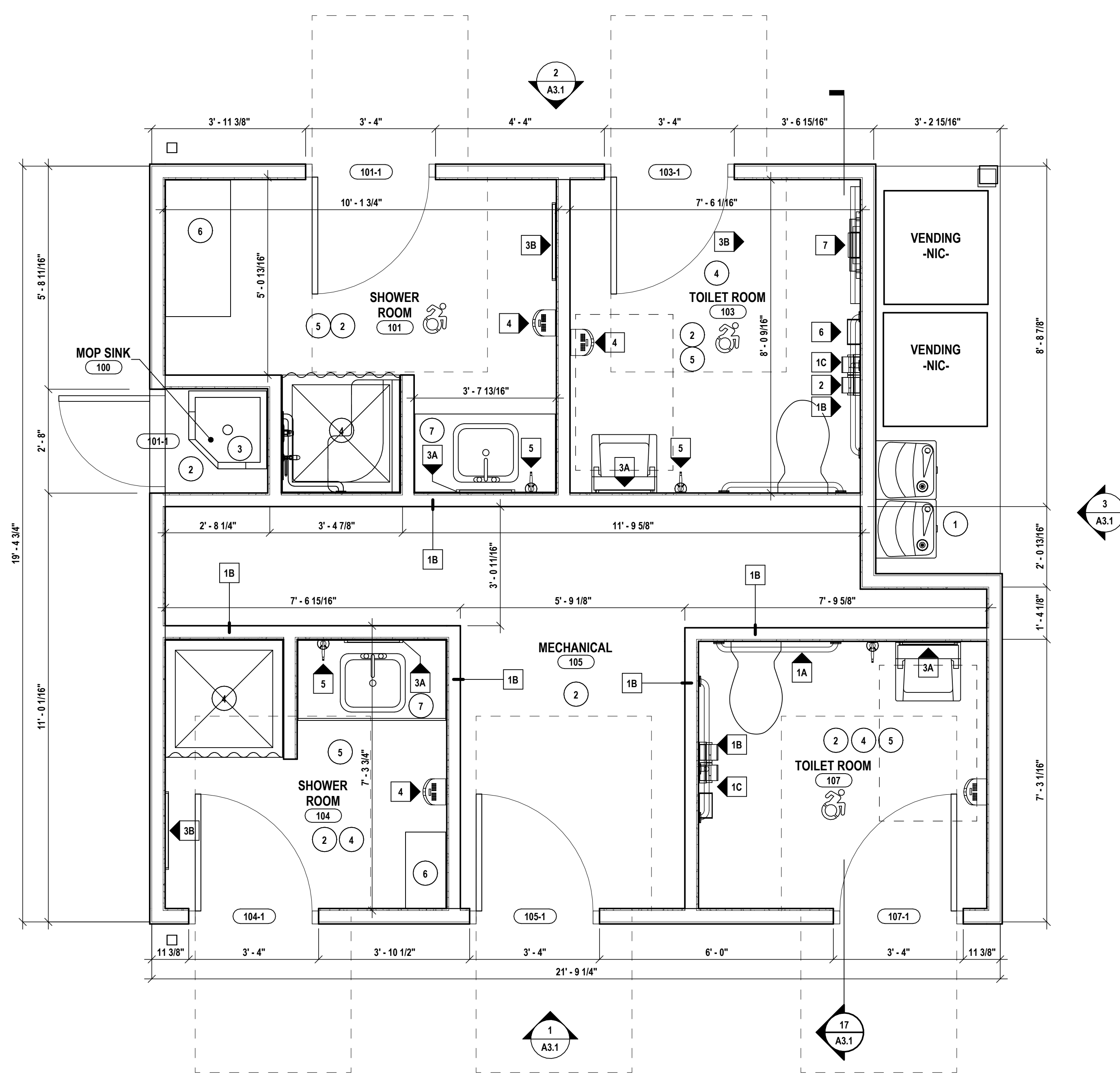
- A THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK REQUIRED TO IMPLEMENT THE WORK OF THE CONTRACT, REGARDLESS OF WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
B THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING ANY WORK AND NOTIFY ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
C ALL NEW DOOR FRAMES INSTALLED IN WOOD STUD PARTITIONS SHALL BE MOUNTED "4" FROM ADJACENT WALLS (6" TO DOOR).
D ITEMS SHOWN ARE INTENDED TO GIVE APPROXIMATE QUANTITY, LOCATION & TYPE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL QUANTITY & EXISTING FIELD CONDITIONS.
E ALL DIMENSIONS ARE TAKEN FROM FACE OF WALL TO FACE OF WALL UNLESS NOTED OTHERWISE.
F ALL NEW WALLS SHALL BE A MINIMUM OF 4" x 8" OR 6" x 8" CLEAR FLOOR SPACE ON THE FULL SIDE OF THE WALL. THERE SHALL BE A MINIMUM OF 1'-0" CLEAR FLOOR SPACE ON THE PUSH SIDE OF ALL NEW DOORS.
G THE WHEELCHAIR SYMBOL, INDICATES HANDICAP ACCESSIBLE MOUNTED FIXTURE ELEVATION SHALL CONFORM WITH CABOJANI 1171 AND ADAAG.
H EXTEND ALL NEW PARTITIONS TO STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.
I ALL FINISHED ASSEMBLIES ARE REQUIRED TO BE PROTECTED DURING THE COURSE OF CONSTRUCTION. ALL FINISHED ASSEMBLIES DAMAGED DURING THE COURSE OF CONSTRUCTION ARE REQUIRED TO BE REPLACED OR REPAIRED AT THE ARCHITECT'S DIRECTION.
J ALL EXTERIOR WALLS TO BE TYPE 1 UNO.
K ALL PARTITION WALLS TO BE TYPE 1A UNO.

PLAN DRAWING NOTES:

- 1 PROVIDE DRINKING FOUNTAIN. REFER TO "P" DRAWINGS FOR ADDITIONAL INFORMATION.
- 2 PROVIDE SEALED CONCRETE FLOOR.
- 3 PROVIDE MOP SINK.
- 4 PROVIDE FLOOR DRAIN. REFERENCE "P" DRAWINGS FOR ADDITIONAL INFORMATION.
- 5 ALL INTERIOR WALLS AND PARTITIONS TO BE INTERLOCKING PVC PANELS. COLORS TO BE SELECTED BY ARCHITECT. SEE DETAIL 18/A3.1
- 6 PROVIDE BENCH.
- 7 PROVIDE 24" DEEP SOLID SURFACE COUNTERTOP AND VANITY WITH METAL BRACKETS.



2 FIRST FLOOR PLAN - ALT 2 AND 3
1/2" = 1'-0"



1 FIRST FLOOR PLAN - BASE AND ALT 1
1/2" = 1'-0"

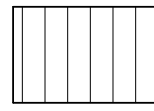
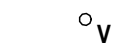
GENERAL ROOF NOTES:

- PROVIDE ALL MATERIALS TO MAKE SMOOTH TRANSITIONS AT ROOF EDGES AND INTERSECTIONS.
- PROVIDE FLASHING AT ALL PENETRATIONS.
- PROVIDE ALL ROOF OPENINGS REQUIRED FOR ALL PENETRATIONS.

ROOF DRAWING NOTES:

- PROVIDE METAL ROOF SYSTEM.
- PROVIDE ALUMINUM GUTTER AND DOWNSPOUT.
- SNOWGUARD SYSTEM.

ROOF LEGEND:

-  METAL ROOF SYSTEM
-  VENT PIPE. SEE DETAIL 9/A1.2
-  ARROW INDICATES DIRECTION OF SLOPE FOR THE ROOF STRUCTURE (SEE STRUCTURAL DRAWINGS)

GENERAL CEILING NOTES:

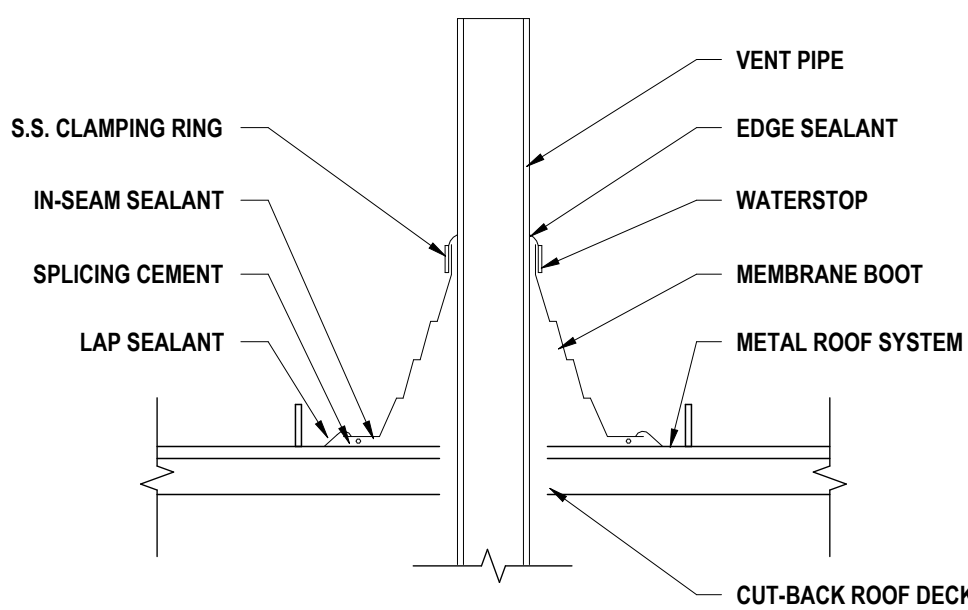
- ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER ENGINEERING DRAWINGS FOR LOCATION OF LIGHT FIXTURES AND MECHANICAL EQUIPMENT. COORDINATE WITH ALL OTHER PRIME CONTRACTORS.
- PAINT ALL EXPOSED CONDUITS, JUNCTION BOXES, ELECTRICAL ITEMS (NOT FACTORY FINISHED), SPRINKLER LINES, MECHANICAL DUCTWORK AND PIPING UNLESS NOTED OTHERWISE. REFER TO FINISH KEY FOR COLORS.

RCP DRAWING NOTE:

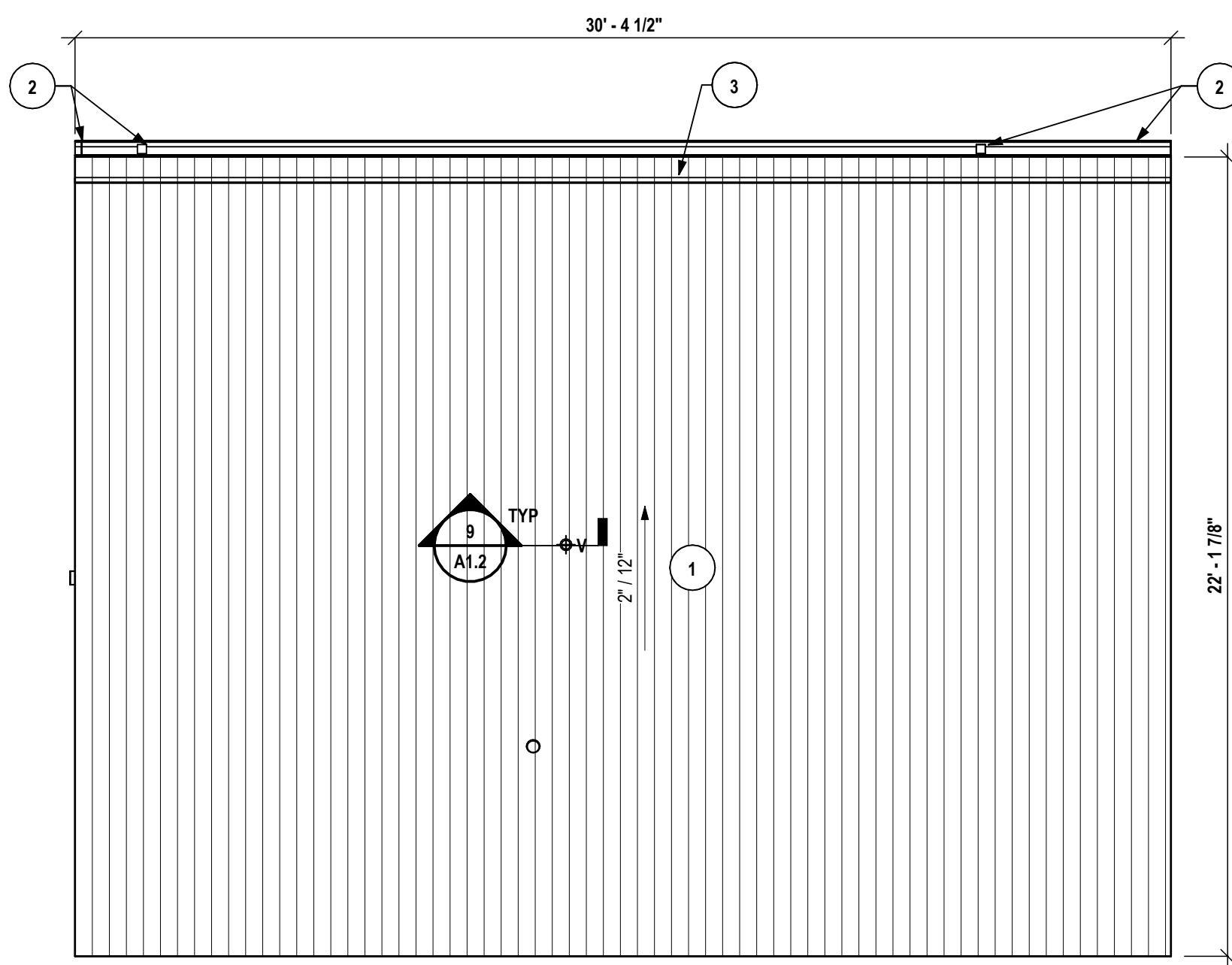
- OPEN TO STRUCTURE ABOVE.
- PROVIDE INTERLOCKING PVC PANEL SYSTEM. CEILING SYSTEM TO MATCH STRUCTURE ABOVE.
- METAL SOFFIT SYSTEM.

RCP KEY

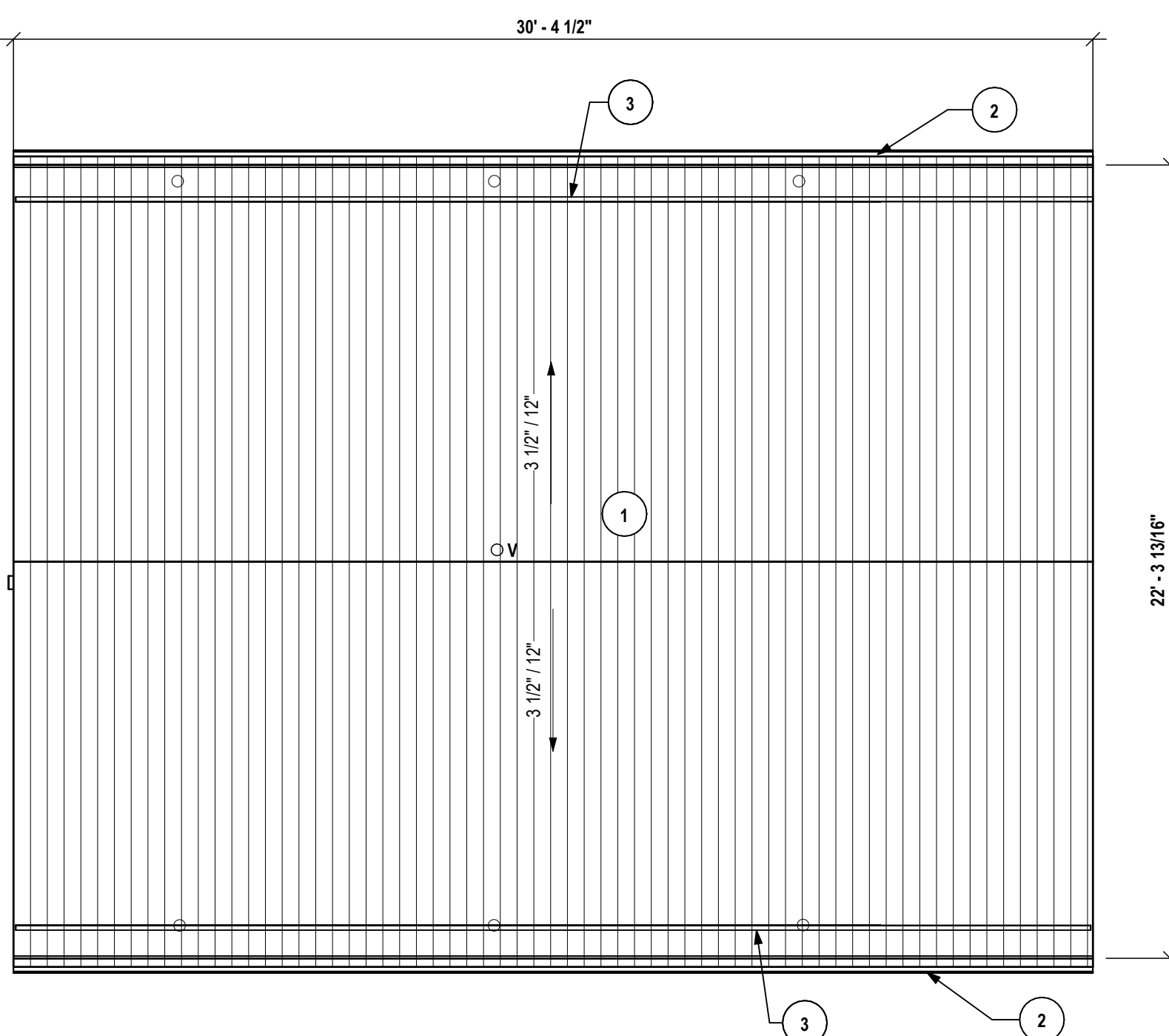
-  INDICATES ELEC LIGHT FIXTURE
-  INDICATES ELEC LIGHT FIXTURE
-  INDICATES HVAC GRILLE



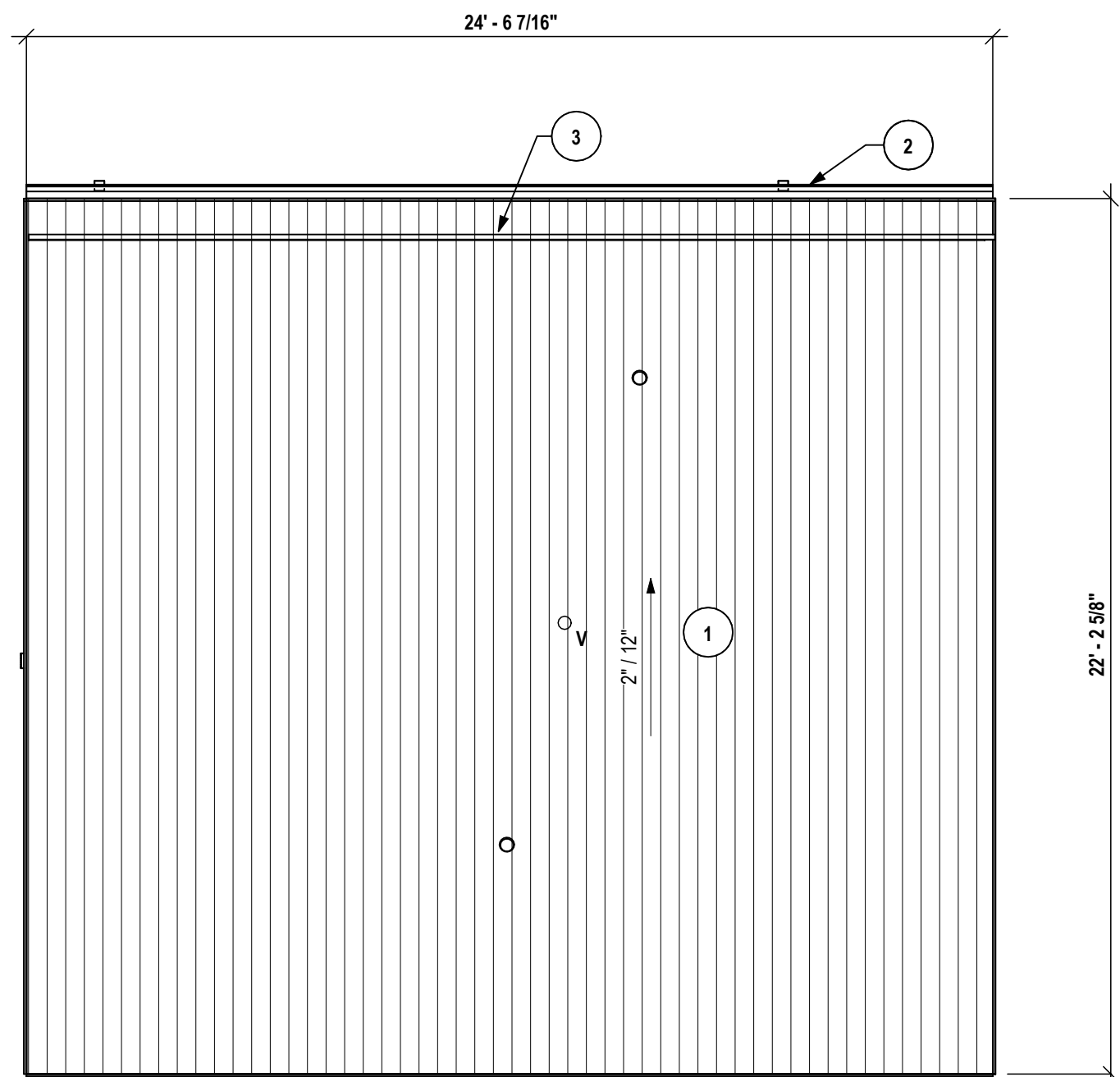
9 VENT PIPE DETAIL
1 1/2" x 1'-0"



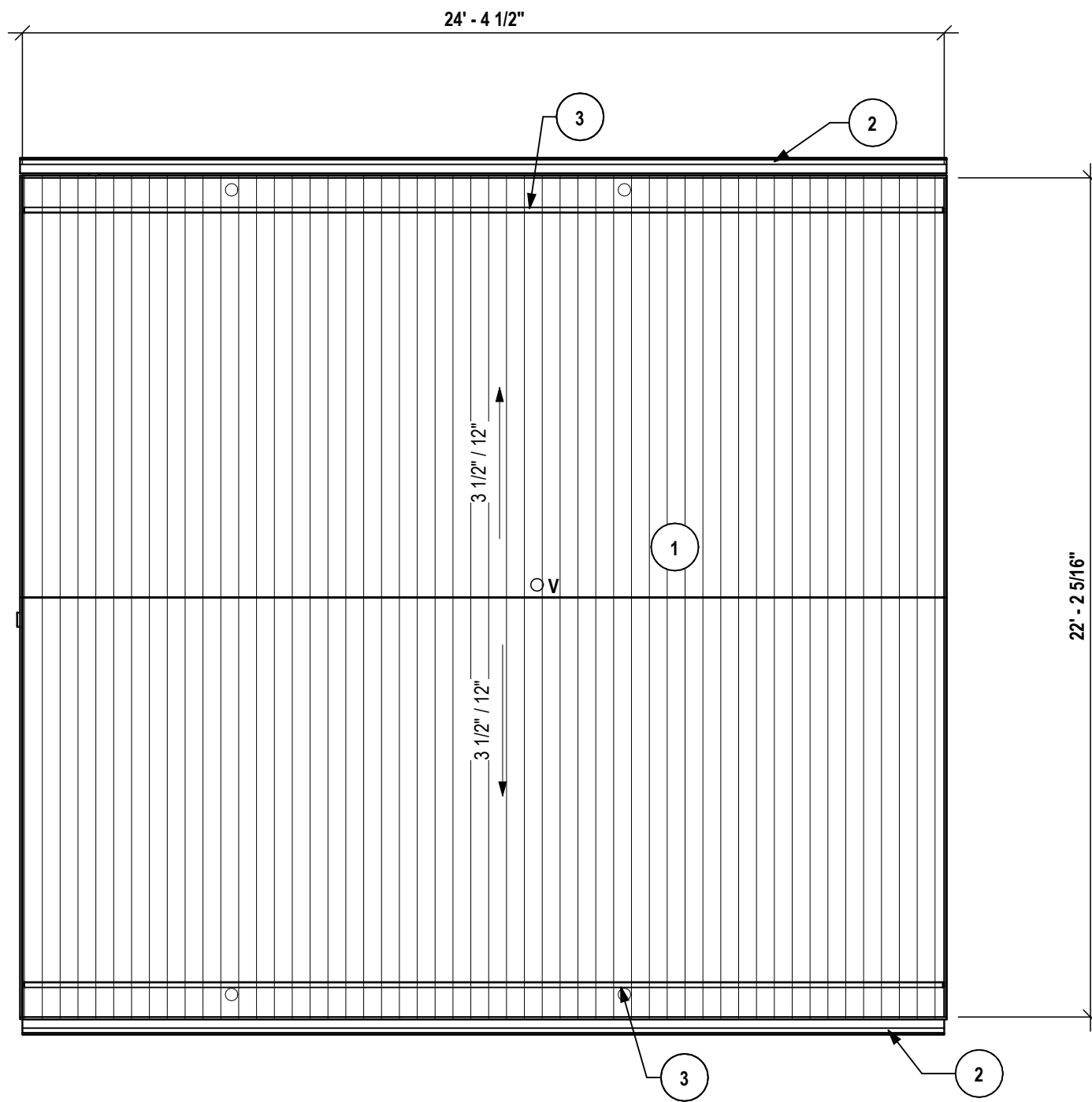
8 ROOF PLAN - ALT 3
1/4" = 1'-0"



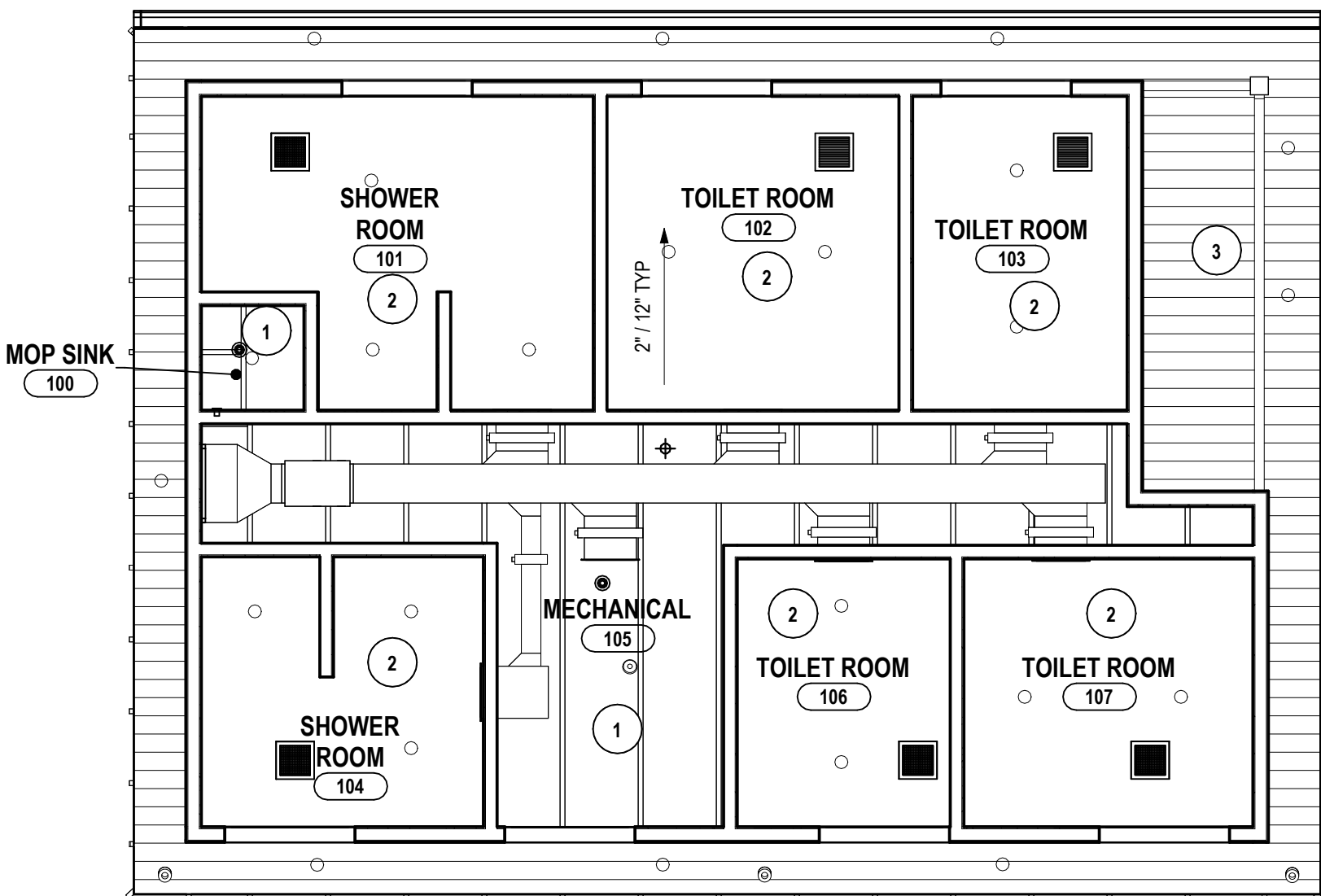
7 ROOF PLAN - ALT 2
1/4" = 1'-0"



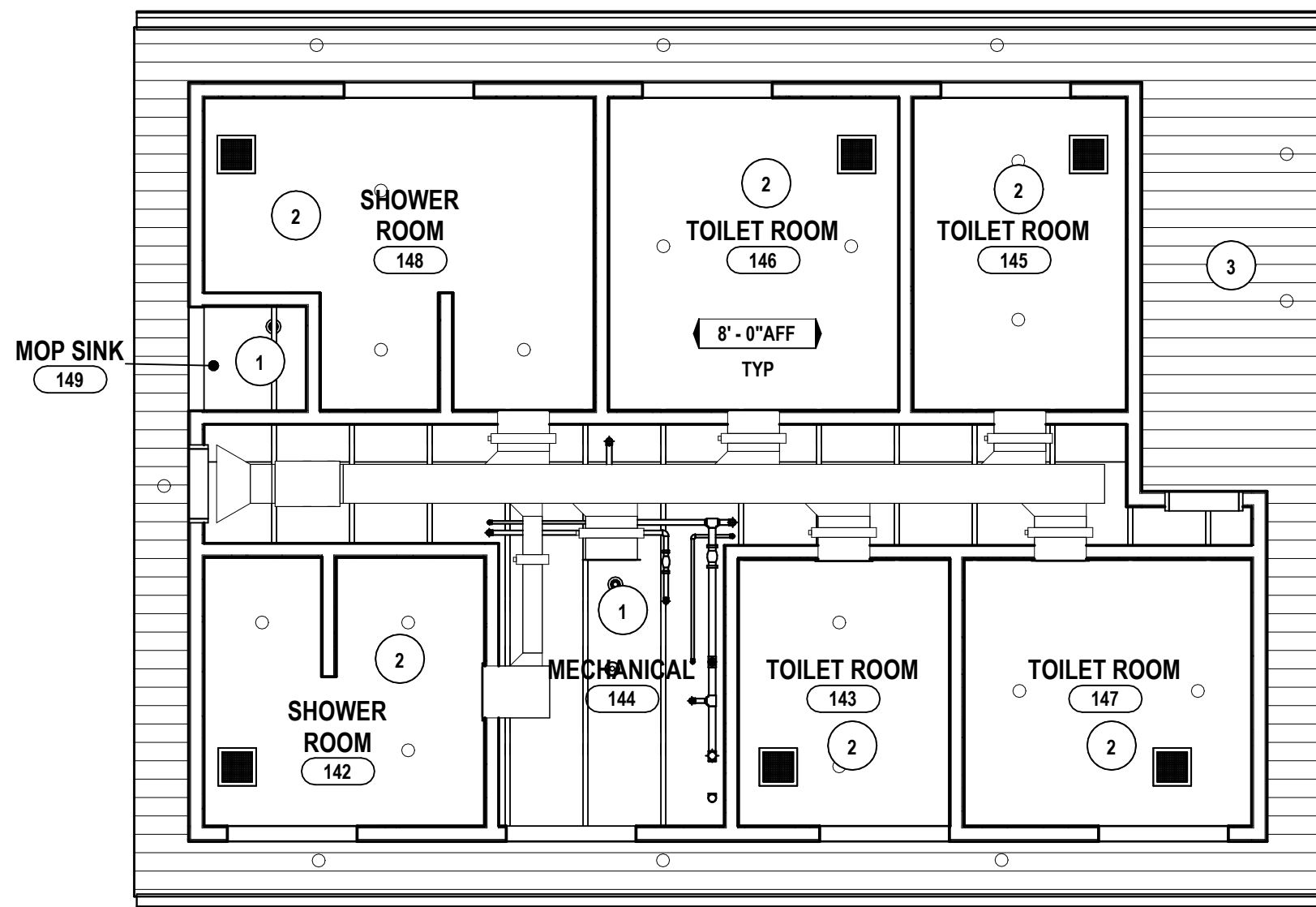
6 ROOF PLAN - ALT 1
1/4" = 1'-0"



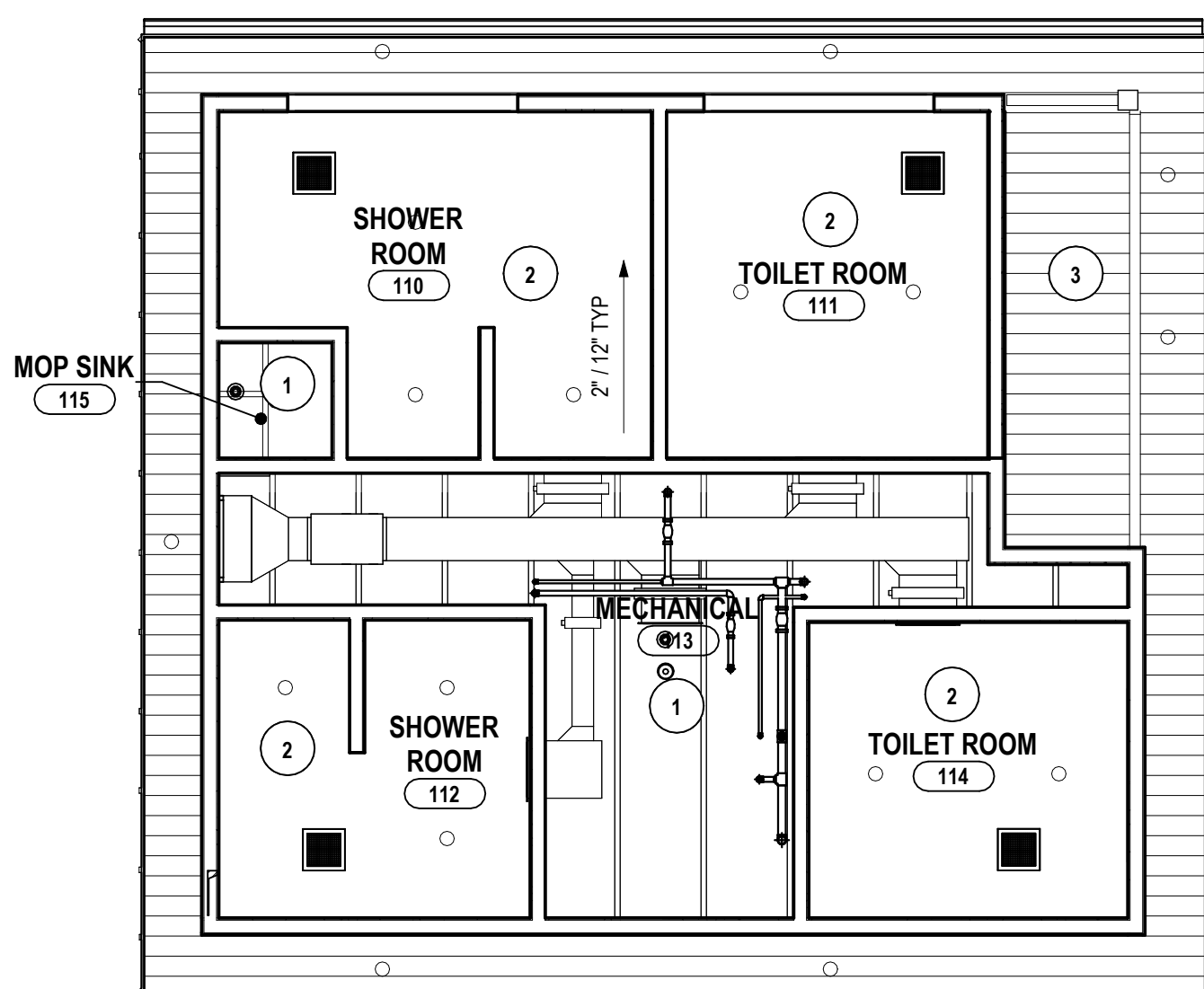
5 ROOF PLAN - BASE BID
1/4" = 1'-0"



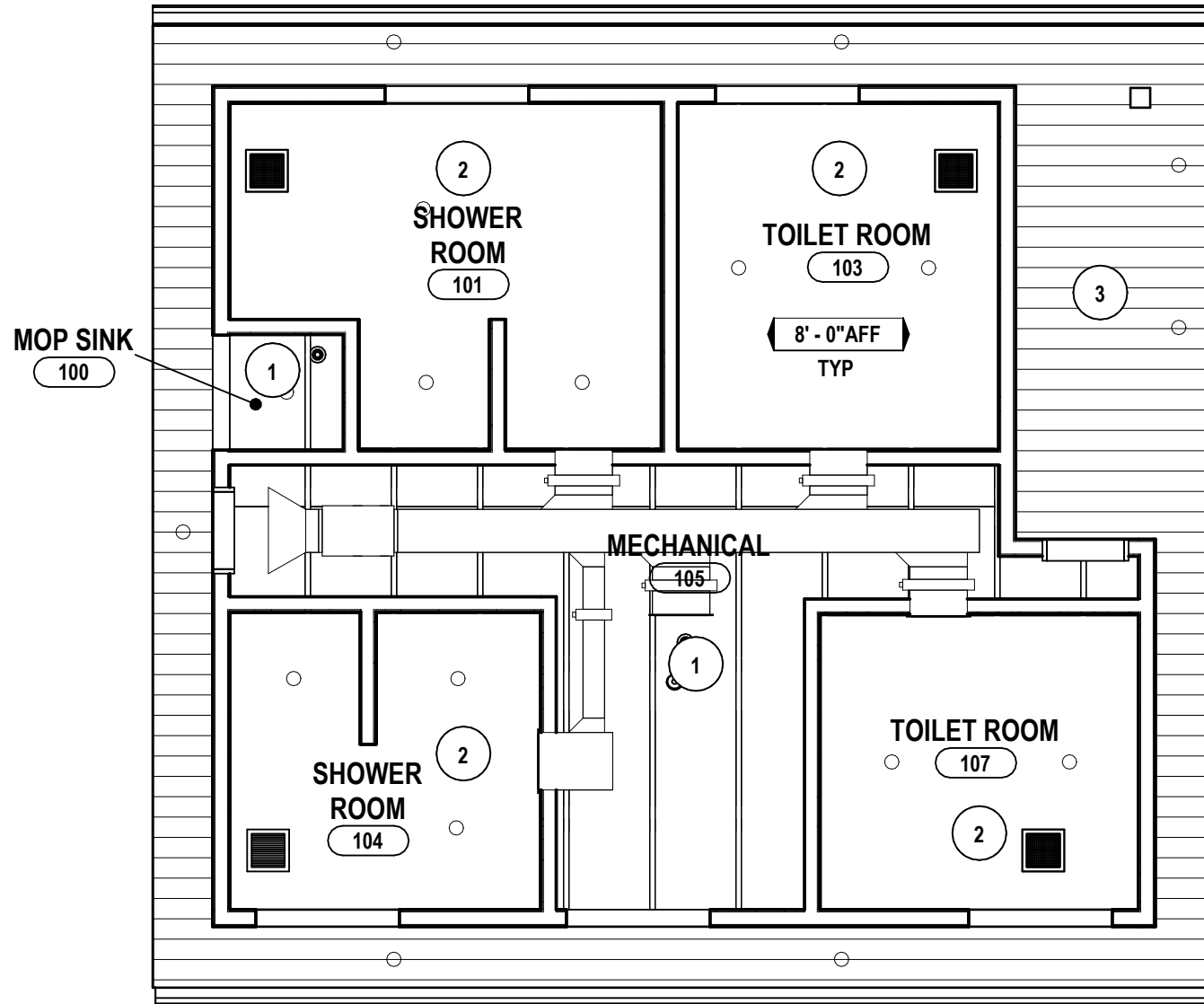
4 FIRST FLOOR REFLECTED CEILING PLAN - ALT 3
1/4" = 1'-0"



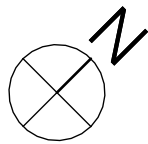
3 FIRST FLOOR REFLECTED CEILING PLAN - ALT 2
1/4" = 1'-0"



2 FIRST FLOOR REFLECTED CEILING PLAN - ALT 1
1/4" = 1'-0"



1 FIRST FLOOR REFLECTED CEILING PLAN - BASE BID
1/4" = 1'-0"



GENERAL NOTES - MECHANICAL

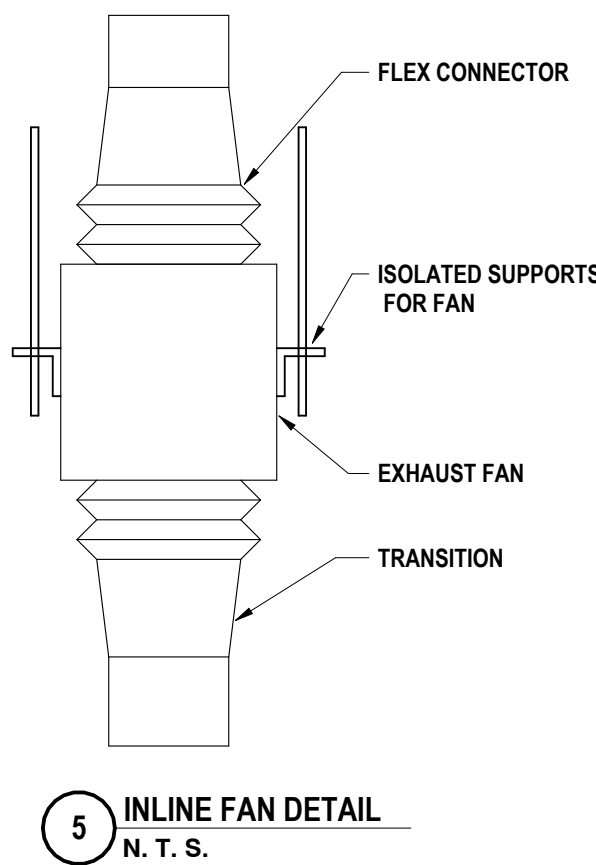
- A ALL EQUIPMENT INTENDED TO BE TURNED OVER TO THE OWNER, SHALL BE BALANCED, FULLY CONTROLLED & FUNCTIONALLY TESTED REGARDLESS OF SUBSTANTIAL COMPLETION DATE.
- B THIS DRAWING IS INTENDED TO SHOW THE GENERAL SCOPE OF ITEMS TO BE REMOVED. IT IS NOT INTENDED TO BE ALL INCLUSIVE. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS TO BE REMOVED. ANY ITEM IN QUESTION SHOULD BE VERIFIED WITH THE ENGINEER PRIOR TO REMOVAL.
- C ALL ITEMS SCHEDULED FOR DEMOLITION ARE THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL PLACE WANTED EQUIPMENT IN AREA DESIGNATED, ON SITE BY THE OWNER. ANY ITEM THE OWNER WISHES NOT TO KEEP SHALL BE DISPOSED OF BY THE CONTRACTOR.
- D THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING UNLESS CLEARLY INDICATED TO BE PART OF ANOTHER PRIME CONTRACT. CONTRACTOR TO PATCH TO MATCH ALL EXISTING FINISHES RESULTING FROM DEMOLITION WORK UNLESS INDICATED TO BE PART OF ANOTHER PRIME CONTRACT.
- E THE CONTRACTOR SHALL REMOVE, PROTECT, REPLACE AND/OR REINSTALL ANY CEILING OR GRID DAMAGED OR REMOVED AS A RESULT OF EXECUTION OF CONTRACT SCOPE, UNLESS INDICATED TO BE PART OF ANOTHER PRIME CONTRACT.
- F COORDINATE ALL NEW ROOF, WALL, AND FLOOR PENETRATIONS WITH OTHER TRADES.
- G PRIOR TO CONSTRUCTION AND INSTALLATION OF NEW WORK, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS (FRAMING, ELECTRICAL, PLUMBING, HVAC, ETC.). NOTIFY ARCHITECT/ENGINEER OF ANY CONFLICTS THAT REQUIRE MODIFICATION TO NEW HVAC SYSTEM INSTALLATION.

#	DATE:	DESCRIPTION OF REVISION:	
1	10/22/2026	ISSUED FOR BID	

DRAWN BY:	KMM
CHECKED BY:	ENS
DATE:	10/24/2025
PHASE:	CD

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS DRAWN BY A LICENSED ENGINEER, ARCHITECT, OR SURVEYOR'S SEAL.

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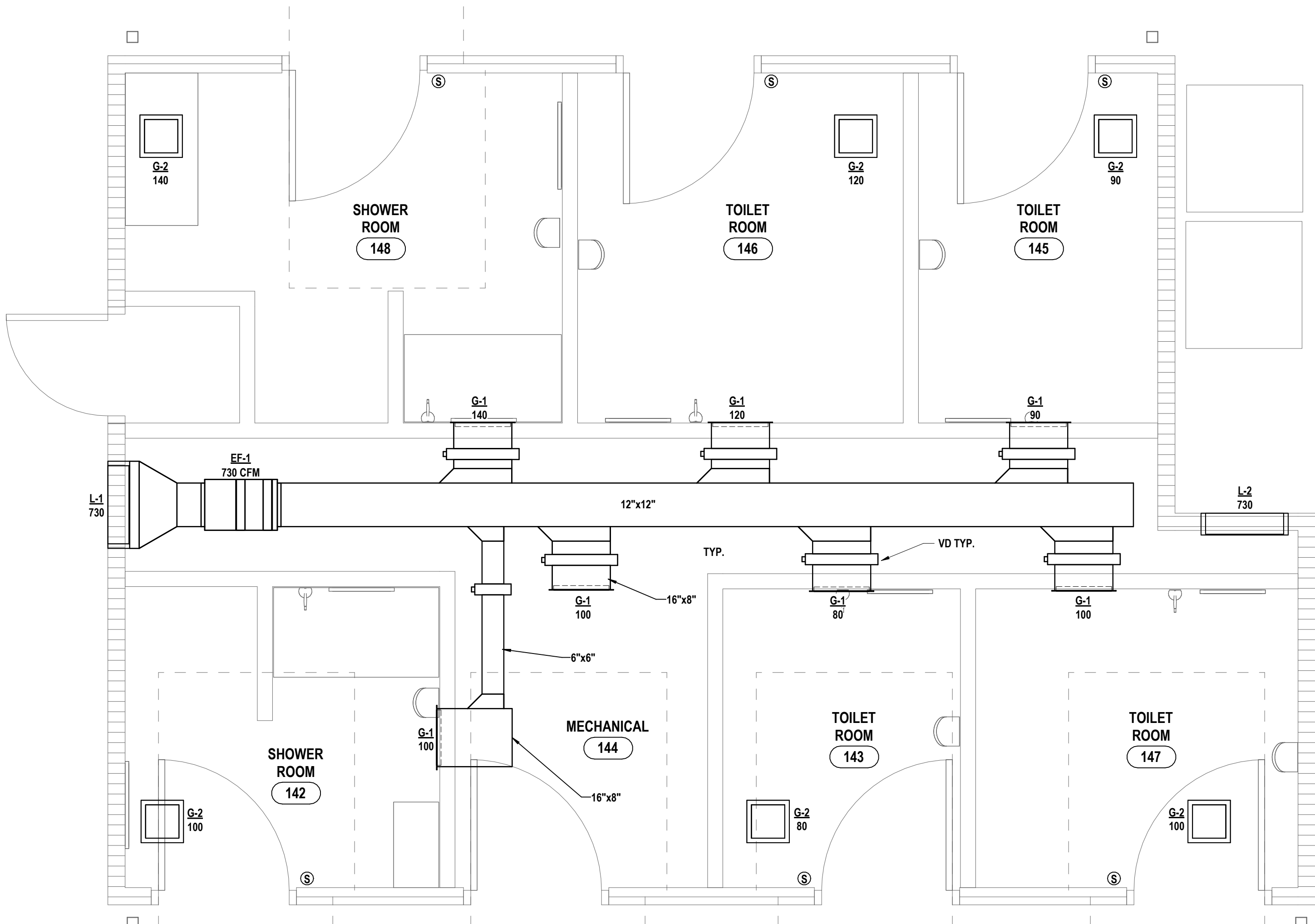


FAN SCHEDULE										
FAN #	CFM	MANUFACTURER/MODEL	RPM	ELECTRICAL			dBA	SP (")	DRIVE	REMARKS & NOTES
				HP	VOLTS	PHASE				
EF-1	730	COOK / SQN-D VF	2800	1/3	230	1	57	0.6	EC MOTOR	1, 2, 3, 4

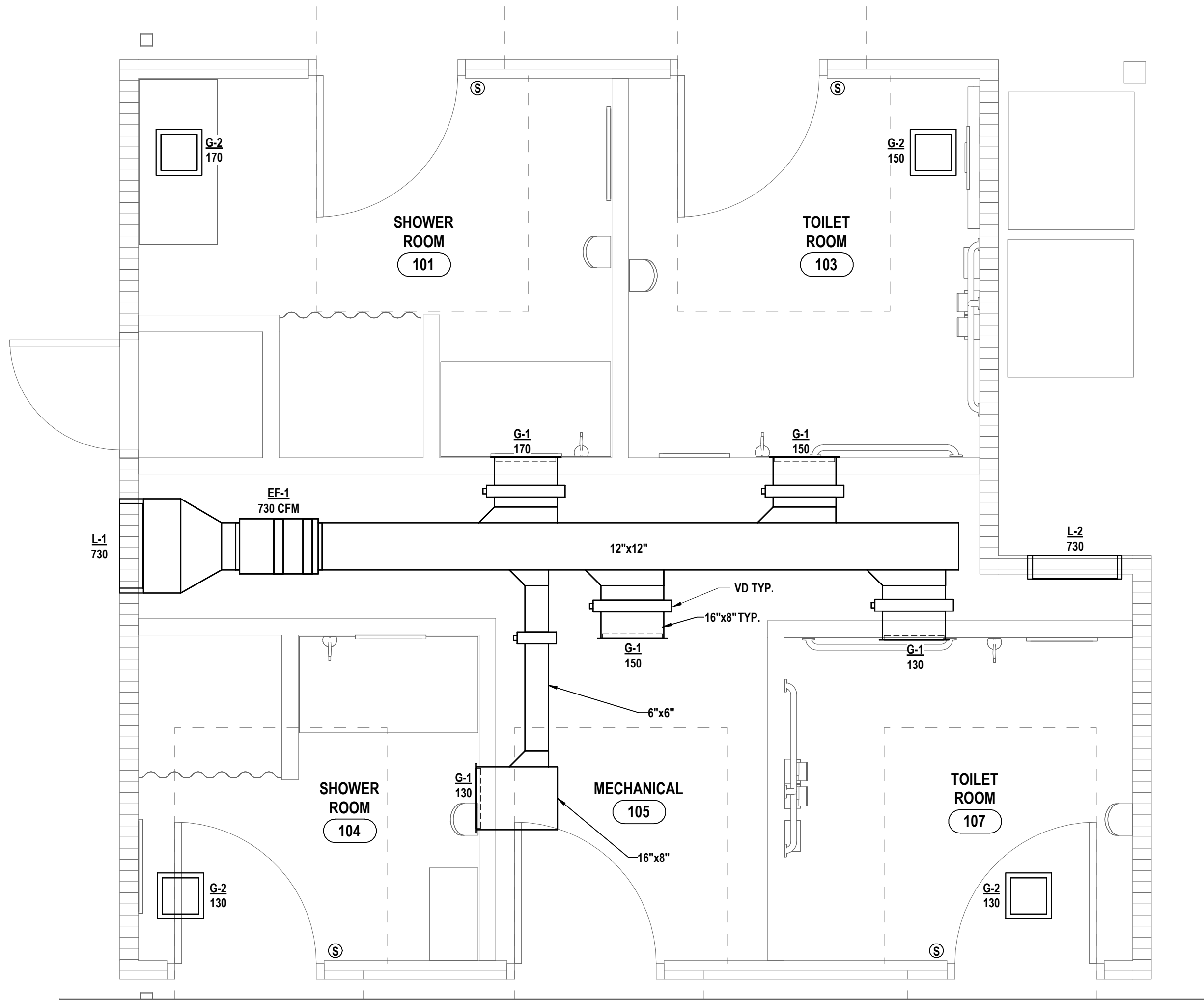
- NOTES: 1. PROVIDE FACTORY WIRED DISCONNECT.
2. PROVIDE FAN MOUNTED SPEED CONTROL.
3. START/STOP BY OCCUPANCY SENSOR. REFER TO E-DWGS FOR CONTROLS.
4. PROVIDE BACKDRAFT DAMPER.

DIFFUSER, GRILLES AND LOUVERS SCHEDULE								
UNIT #	FUNCTION	MFG / MODEL	FACE SIZE (W X H)	CFM	MAX SP	MAX N.C.	BORDER	REMARKS
G-1	EXHAUST	PRICE / 535	16" X 8"	VARIES	0.05	20	SURFACE MOUNTED	
G-2	SUPPLY	PRICE / 85	10" X 10"	VARIES	0.05	20	SURFACE MOUNTED	
L-1	EXHAUST	POTTORFF / EFJ-430	24" X 18"	700	0.03	20	-	1
L-2	SUPPLY	POTTORFF / EFJ-430	24" X 18"	700	0.03	20	-	1

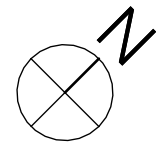
- NOTES: 1. COORDINATE BORDER TYPE WITH OTHER TRADES.



3 FIRST FLOOR HVAC PLAN - ALTERNATE 2 AND ALTERNATE 3
1/2" = 1'-0"

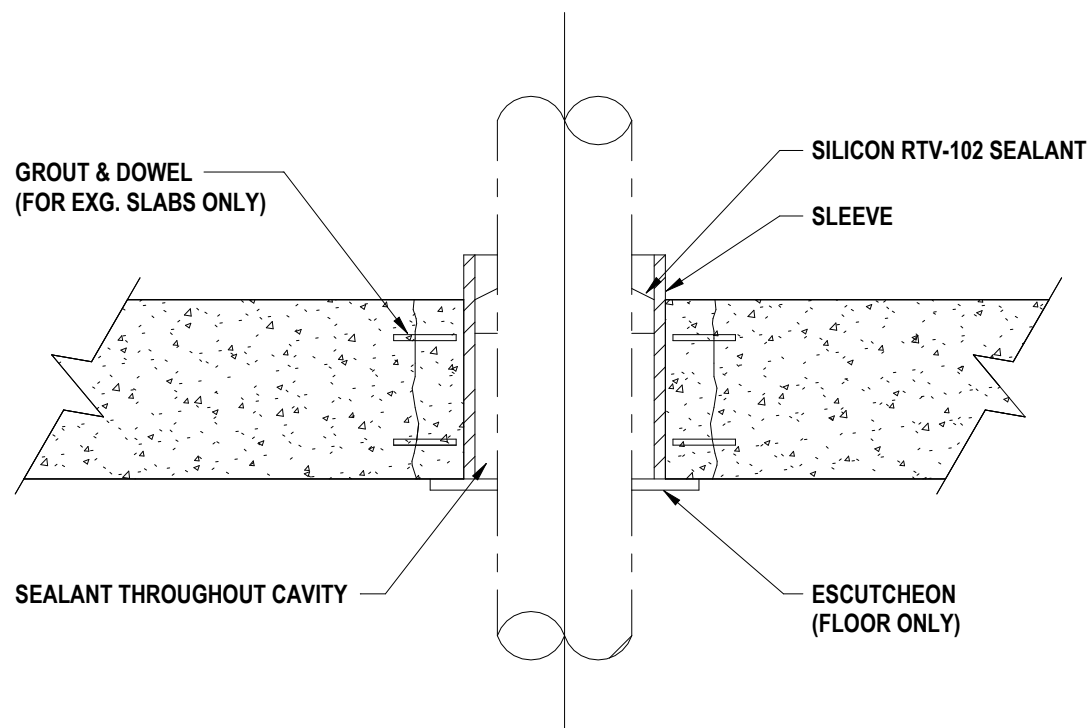


1 FIRST FLOOR HVAC PLAN - BASE BID AND ALTERNATE 1
1/2" = 1'-0"

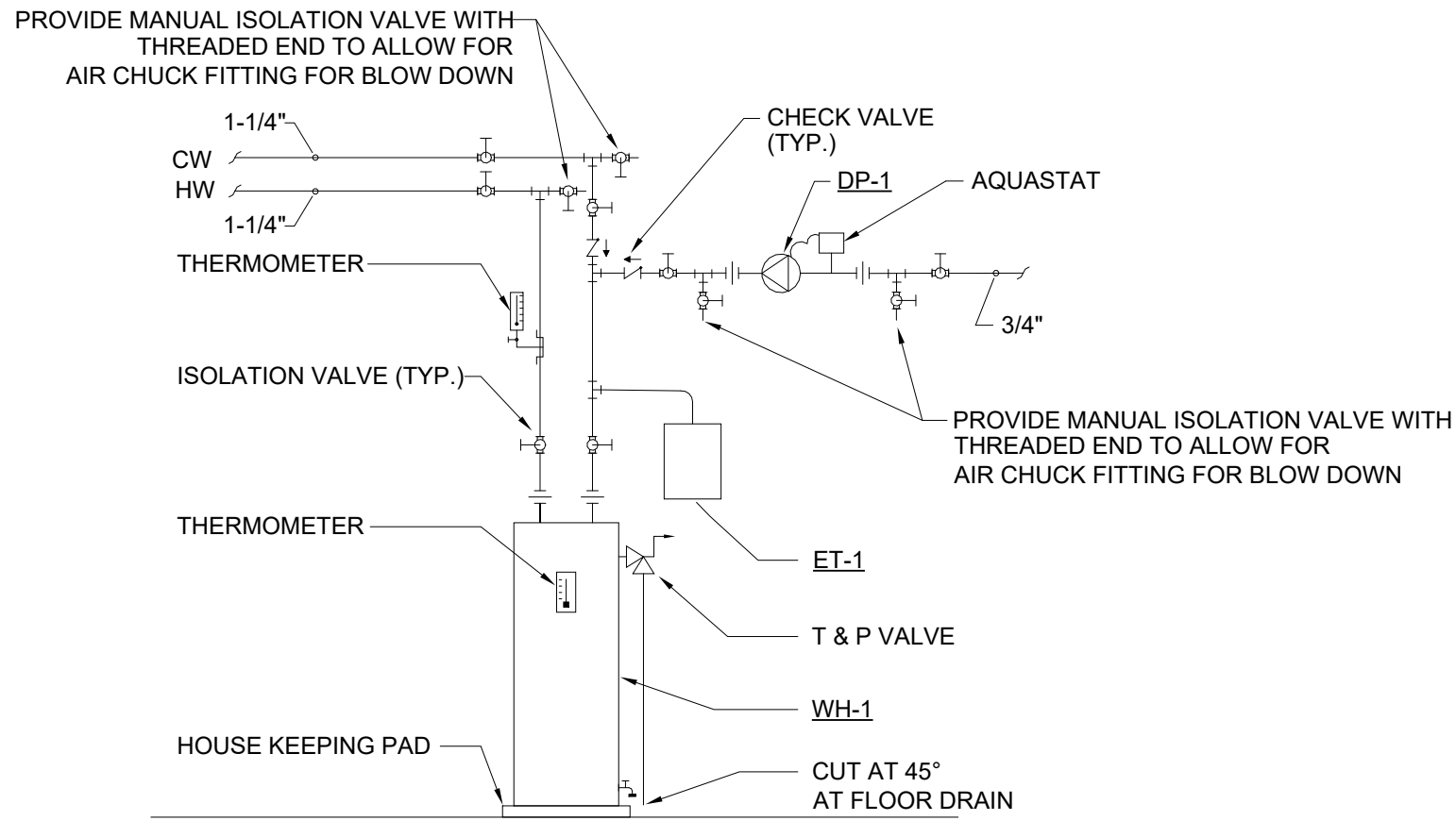


PLUMBING FIXTURE SCHEDULE				
NO.	TYPE	MFG./MODEL	TRIM	REMARKS
WC-1	WATER CLOSET, WALL MOUNT, ADA COMPLIANT, COLOR: WHITE	AMERICAN STANDARD 2257.101, 1.28 GPF, 1-1/2 INCH TOP SPUD	FLUSH VALVE: SENSORED (ELECTRIC) SLOAN ROYAL OPTIMA 111-1.28 ESS - TMO, 1.28 GPF, WITH TRUE MECHANICAL OVERRIDE FLUSH BUTTON	ELONGATED BOWL, PROVIDE ELONGATED SEAT SIMILAR TO BENEKE 527-SS, FLOOR MOUNTED CARRIER. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT. NOTE A.
WC-2	WATER CLOSET, WALL MOUNT, COLOR: WHITE	AMERICAN STANDARD 2257.101, 1.28 GPF, 1-1/2 INCH TOP SPUD	FLUSH VALVE: SENSORED (ELECTRIC) SLOAN ROYAL OPTIMA 111-1.28 ESS - TMO, 1.28 GPF, WITH TRUE MECHANICAL OVERRIDE FLUSH BUTTON	ELONGATED BOWL, PROVIDE ELONGATED SEAT SIMILAR TO BENEKE 527-SS, FLOOR MOUNTED CARRIER. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT. NOTE A.
LAV-1	LAVATORY, WALL MOUNT, ADA COMPLIANT, COLOR: WHITE	AMERICAN STANDARD 0355.012 (3 HOLES ON 2" CENTERS)	FAUCET: SENSORED (ELECTRIC) CHICAGO 116.101.AB.1, 0.50 GPM	PROVIDE INFRARED FAUCET WITH 4 INCH COVER PLATE SIMILAR TO CHICAGO FAUCET MODEL 240.627.21.1, OFFSET GRID DRAIN, P-TRAP, LEAD FREE SUPPLIES, LEAD FREE STOPS, ESCUTCHEON PLATES AND PIPE COVERS. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT. NOTE A, B, C.
LAV-2	LAVATORY, WALL MOUNT, COLOR: WHITE	AMERICAN STANDARD 0355.012 (3 HOLES ON 2" CENTERS)	FAUCET: SENSORED (ELECTRIC) CHICAGO 116.101.AB.1, 0.50 GPM	PROVIDE INFRARED FAUCET WITH 4 INCH COVER PLATE SIMILAR TO CHICAGO FAUCET MODEL 240.627.21.1, OFFSET GRID DRAIN, P-TRAP, LEAD FREE SUPPLIES, LEAD FREE STOPS, ESCUTCHEON PLATES AND PIPE COVERS. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT. NOTE A, B, C.
SK-1	SINK, SINGLE, ADA COMPLIANT, 4-1/2" DEEP, COUNTERTOP MOUNT	AMERICAN STANDARD 0643001 (SINGLE HOLE)	FAUCET: SENSORED (ELECTRIC) SLOAN ETF 700-S - BDT, 2.20 GPM, (THERMOSTATIC VALVE), STRAINER, JUST J-35	PROVIDE INFRARED FAUCET, OFFSET GRID DRAIN, P-TRAP, LEAD FREE SUPPLIES, LEAD FREE STOPS & ESCUTCHEON PLATES. NOTE A, B.
SH-1	SHOWER, ADA COMPLIANT, SURFACE WALL MOUNT, (VALVE RIGHT, SEAT LEFT)	BRADLEY HN250-BF-TMV-VR, 1.50 GPM		PROVIDE SHOWER WITH STAINLESS STEEL WALL PANEL WITH RECESSED SOAP DISH, WALL SHOWERHEAD AND HAND HELD SHOWER SPRAY ASSEMBLY, DIVERTER VALVE, THERMOSTATIC MIXING VALVE, GRAB BAR, PHENOLIC SEAT, CURTAIN, ROD AND HANGERS.
SH-2	SHOWER, INDIVIDUAL, SURFACE WALL MOUNT	BRADLEY WS-1WCA-TMV, 1.50 GPM		PROVIDE SHOWER WITH STAINLESS STEEL WALL PANEL WITH SOAP DISH, SHOWERHEAD, THERMOSTATIC MIXING VALVE, CURTAIN, ROD AND HANGERS.
EW-C-1	ELECTRIC WATER COOLER, TWO STATION WITH SINGLE STATION BOTTLE FILLER, ADA COMPLIANT, WALL MOUNT	ELKAY L2ST18W5LK (WITH FILTER) (BOTTLE FILLER ON LOWER UNIT)	FAUCET: CHICAGO 835-RCF (EXPOSED FITTINGS, CEILING SUPPLY)	PROVIDE LEAD FREE DESIGN, STAINLESS STEEL PANELS WITH FLEXI-GUARD BUBBLER, DIELECTRIC COUPLING, PLASTIC P-TRAP, LEAD FREE SUPPLY, LEAD FREE STOP, CANE APRON FOR UPPER UNIT SIMILAR TO ELKAY MODEL LKAPREZL. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT. NOTE A, I.
MS-1	MOP SINK, CORNER	ACORN ENGINEERING TNC-24-SH-SSC		PROVIDE MOP HOLDER AND HOSE BRACKET.
HB-1	HOSE BIBB, EXTERIOR WALL MOUNT	WOODFORD 19		FREEZELESS INTEGRAL ANTI-SIPHON FEATURE.
WH-1	WATER HEATER, ELECTRIC	STATE WATER HEATERS CSB-120-36 IFE		27KW, 119 GAL. ELECTRIC, ASME LABELED, IMMERSION THERMOSTAT. NOTE A.
PT-1	PRESSURE TANK	BELL & GOSSETT WTA-402		25 GALLON ACTUAL TANK VOLUME, TANK FILL PRESSURE 45 PSI, ASME LABELED.
DP-1	DOMESTIC PUMP, HOT WATER RECIRCULATION	ARMSTRONG ASTRO 230, BRONZE		PROVIDE LEAD FREE DESIGN, LINE VOLTAGE AQUASTAT, COORDINATE WIRING OF PUMP THROUGH LINE VOLTAGE AQUASTAT WITH ELECTRICAL CONTRACTOR. NOTE A.
FD-1	FLOOR DRAIN, WITH TRAP SEAL	ZURN ZN-415	FLUSH WITH FLOOR	PROVIDE NICKEL BRONZE STRAINER. REFER TO PLAN FOR PIPE SIZE. NOTE D.
CO-1	CLEANOUT, FLOOR	ZURN Z1400	ADJUSTABLE TOP	PROVIDE POLISHED BRONZE TOP REFER TO PLAN FOR PIPE SIZE. NOTE D.
CO-2	CLEANOUT, INLINE	ZURN Z1449		REFER TO PLAN FOR PIPE SIZE.
WCO-1	WALL CLEANOUT	ZURN Z1446		PROVIDE ACCESS COVER.
ET-1	EXPANSION TANK	BELL & GOSSETT PT-12		57 PSI FILL PRESSURE, 90 PSI MAX PRESSURE, 3.2 GALLON ACCEPTANCE VOLUME.

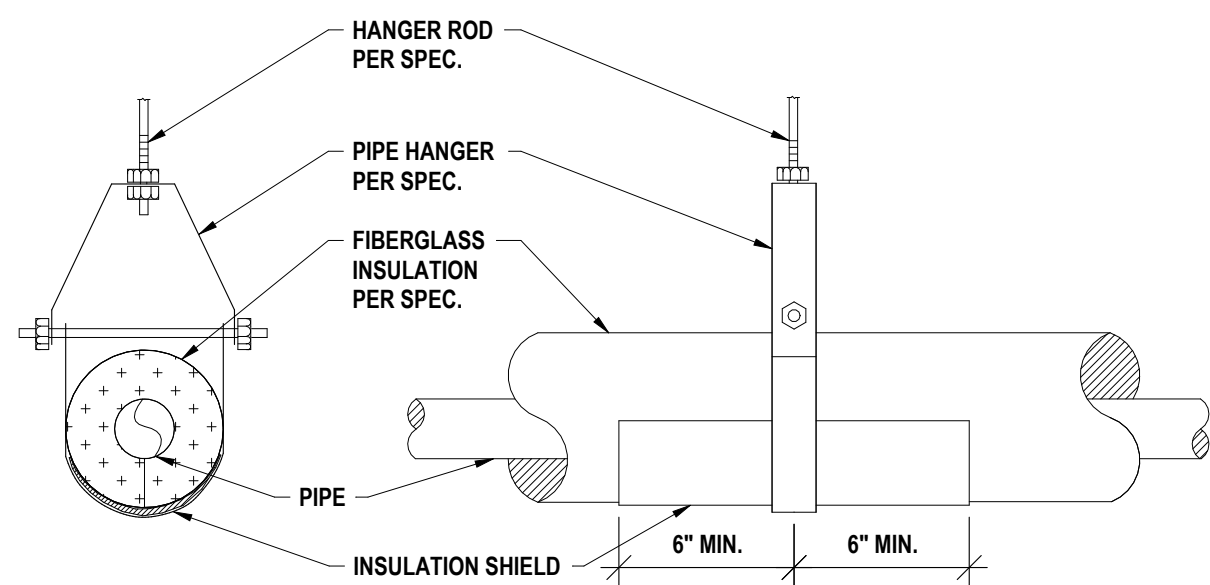
- NOTES:
- A. REFER TO PLUMBING FIXTURE ELECTRICAL REQUIREMENTS SCHEDULE.
- B. PROVIDE LOW LEAD CONTENT THERMOSTATIC MIXING VALVE SIMILAR TO CHICAGO FAUCET MODEL 122-ABNF (SERVES MAXIMUM 8 FAUCETS).
- C. PROVIDE CONCEALED ARM FIXTURE SUPPORT FOR NEW LAVATORY WITH UPRIGHT WELDED FEET AND ADJUSTABLE HEADERS, INSTALLED WITHIN WALL / CHASE.
- D. VERIFY LOCATION OF FLOOR DRAIN / FLOOR SINK / FLOOR CLEANOUT APPLY CORRECT APPLICATION, RECESSED FOR TILE, RECESSED FOR TERRAZZO.
- E. PROVIDE TRAP PRIMER VALVE SIMILAR TO PRECISION PLUMBING PRODUCT MODEL P FOR FLOOR DRAIN AND FLOOR SINK AND CONNECT VALVE TO NEAREST ACCESSIBLE. COLD WATER PIPING VALVE MUST BE INSTALLED A MINIMUM OF 12 INCHES ABOVE FINISHED FLOOR. PROVIDE PIPING FROM VALVE TO FLOOR DRAIN / FLOOR SINK PER VALVE MANUFACTURERS INSTALLATION INSTRUCTIONS.
- F. PROVIDE NATURAL GAS SOLENOID VALVE, SV-1. ELECTRICAL CONTRACTOR TO WIRE.
- G. PROVIDE NEUTRALIZATION TANK BELOW SINK SIMILAR TO IPEX MODEL NEUTRATANK 5 GALLON RECTANGULAR TANK WITH LIMESTONES.
- H. PROVIDE SOLIDS INTERCEPTOR SIMILAR TO J.R. SMITH 8730 WITH 1-1/2" CONNECTION SUSPENDED BENEATH ART ROOM SINK.
- I. PROVIDE ONE PACKAGE OF 3-PACK REPLACEMENT FILTERS SIMILAR TO ELKAY MODEL 51300C_3PK (THREE) TO OWNER FOR FUTURE USE.
- J. PLUMBING CONTRACTOR TO EXCAVATE AND PREPARE AREA, MIX AND APPLY FORM RELEASE PRODUCT, ASSEMBLE RAILS, LEGS, FORMS, CLAMPS AND PLACE COMPLETED TRENCH COMPONENTS AT REQUIRED LOCATIONS. PLUMBING CONTRACTOR TO PROVIDE CONCRETE ANCHORING SLAB WALL TO WALL AND END TO END IN BOTTOM OF EXCAVATION COVERING TRENCH DRAIN U-LEGS WITH MINIMUM OF 2 INCHES OF CONCRETE. COORDINATE FINISHED FLOOR CONCRETE POUR. PLUMBING CONTRACTOR TO REMOVE ALL FORM MATERIAL FROM TRENCH DRAINS AFTER FINISHED FLOOR CONCRETE HAS DRIED AND INSTALL ALL GRATES. ALL TRENCH DRAIN WORK SHALL BE INSTALLED PER TRENCH DRAIN MANUFACTURERS INSTALLATION INSTRUCTIONS.



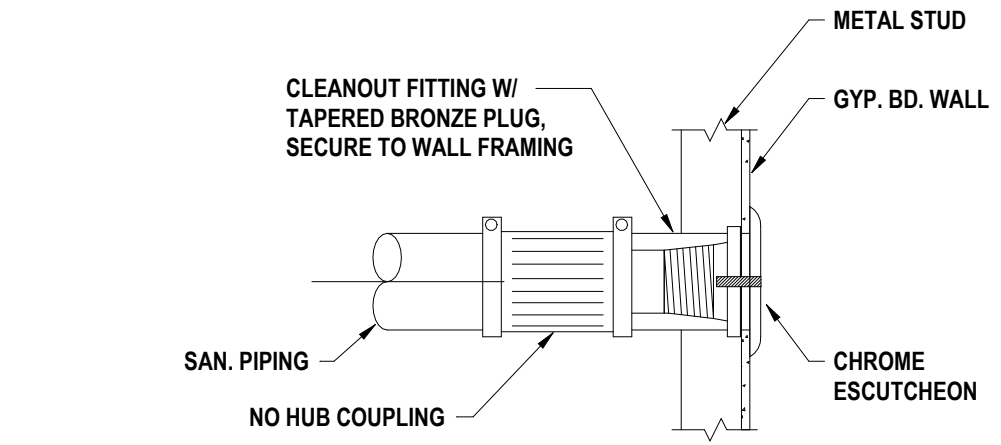
4 TYPICAL PIPE THROUGH FLOOR/SLAB DETAIL
N.T.S.



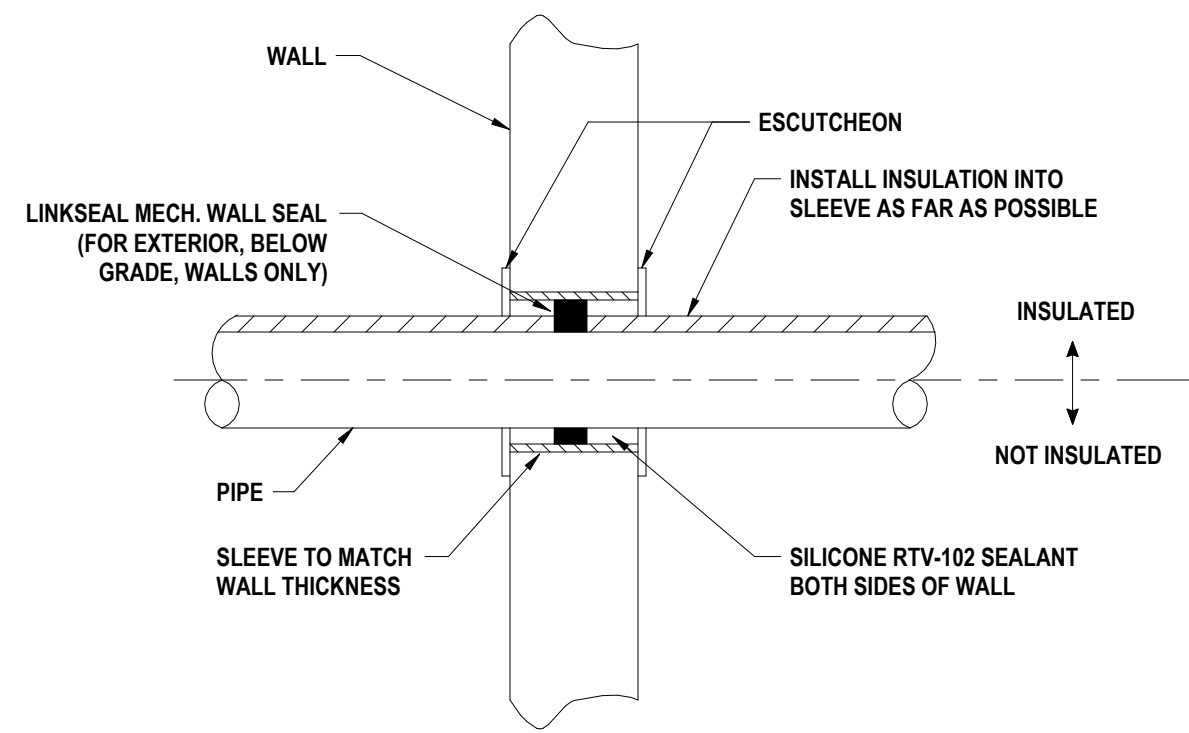
7 SINGLE WATER HEATER SCHEMATIC
N.T.S.



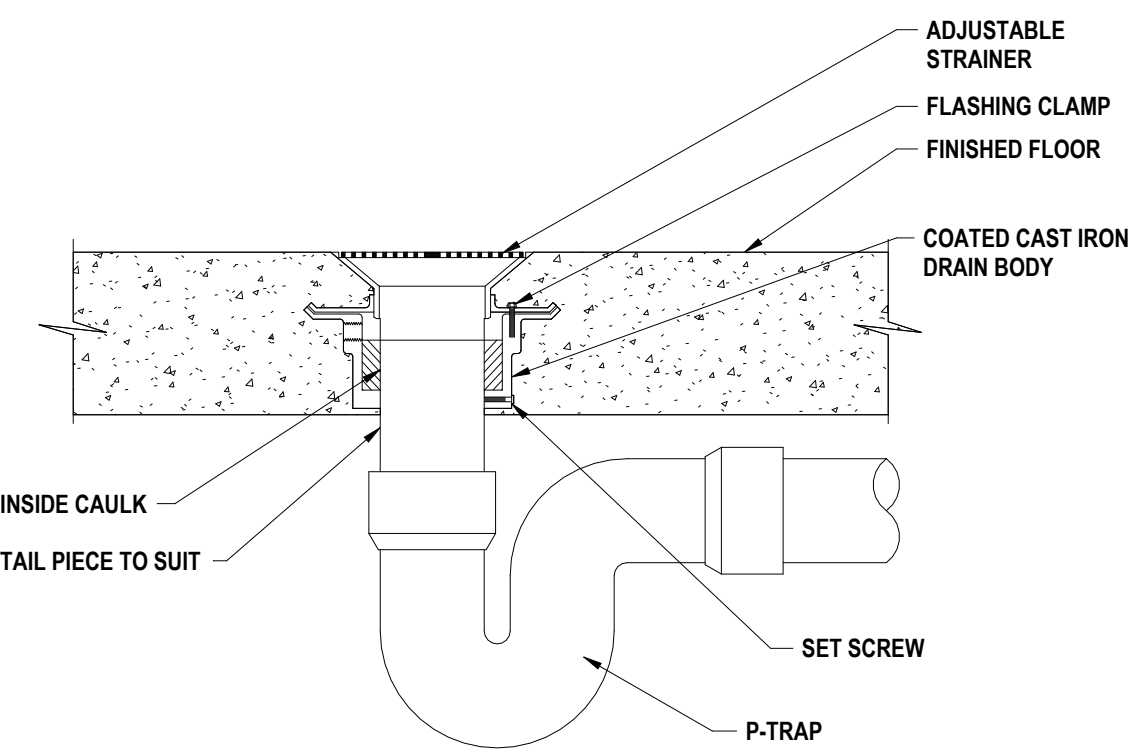
3 TYPICAL PIPE HANGER & SHIELD DETAIL
N.T.S.



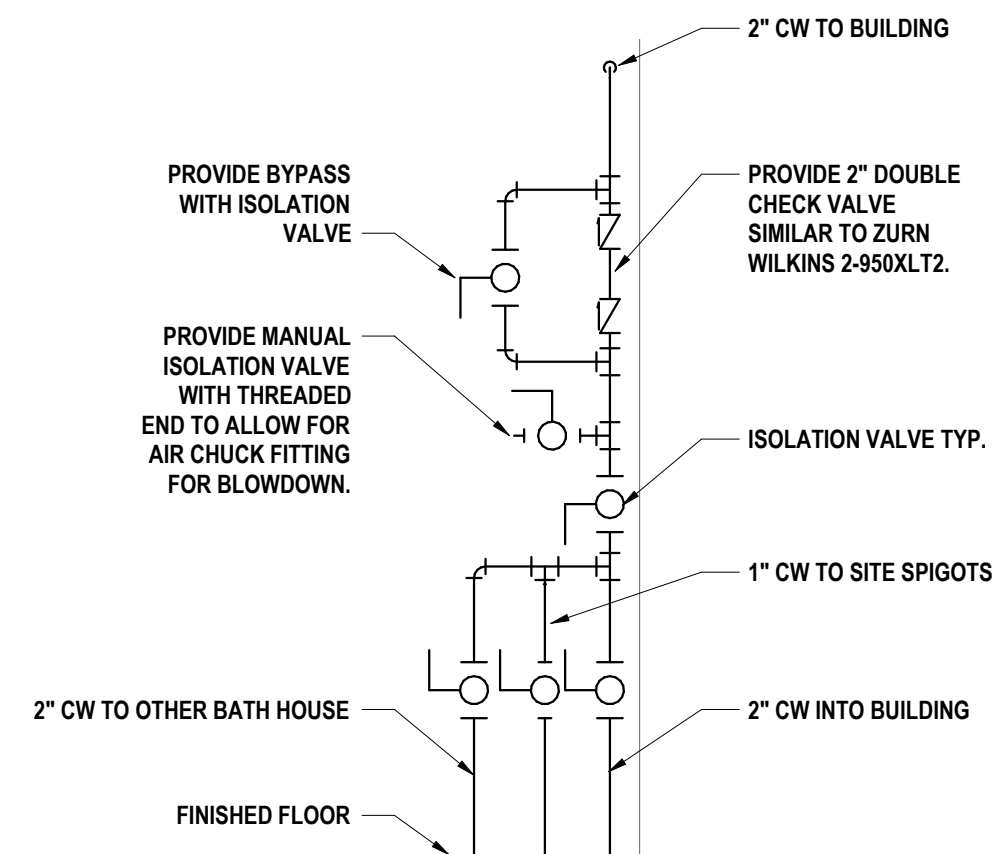
6 TYPICAL WALL CLEANOUT DETAIL
N.T.S.



5 TYPICAL PIPE THRU WALL DETAIL
N.T.S.



2 FLOOR DRAIN DETAIL
N.T.S.



1 WATER SUPPLY MANIFOLD
N. T. S.

PLUMBING FIXTURE ELECTRICAL REQUIREMENTS SCHEDULE												
NO.	TYPE	ELECTRICAL COMPONENT	VOLTS	PHASE	FULL LOAD AMPS	MINIMUM CIRCUIT AMPACITY	MAXIMUM OVER-CURRENT PROTECTION	POWER	RPM	GPM	HEAD FEET	REMARKS
WC-1, WC-2	WATER CLOSET, ADA, WALL MOUNT WATER CLOSET, WALL MOUNT	FLUSHOMETER TRANSFORMER	120 OR 240	SINGLE	50 VA	NA	NA	NA	NA	NA	NA	NOTE A, D.
LAV-1, LAV-2	LAVATORY, ADA, WALL MOUNT LAVATORY, WALL MOUNT	FAUCET TRANSFORMER	120	SINGLE	2.0	300 MA	NA	NA	NA	NA	NA	NOTE B, D.
SK-1	SINK, ADA, COUNTERTOP MOUNT	FAUCET TRANSFORMER	120	SINGLE	2.0	300 MA	NA	NA	NA	NA	NA	NOTE B, D.
WH-1	WATER HEATER, ELECTRIC	OPERATING SYSTEM	240	SINGLE	112.5	NA	150	NA	NA	NA	NA	NOTE D.
DP-1	DOMESTIC PUMP, HOT WATER RECIRCULATION	OPERATING SYSTEM	115	SINGLE	0.7	NA	NA	1/25 HP	2800	5	10	NOTE C, D, F.
EW-C-1	ELECTRIC WATER COOLER, TWO STATION, ADA, WALL MOUNT	OPERATING SYSTEM	115	SINGLE	4.0	NA	NA	370 WATTS	NA	NA	NA	NOTE D, E.

- NOTES:
- A. PROVIDE PER MANUFACTURE, SOLENOID OPERATOR - 24V AC, 60 Hz, TRANSFORMER - SIMILAR TO SLOAN VALVE MODEL EL-154 (120 V), (ONE TRANSFORMER SERVES MAXIMUM 10 WATER CLOSETS/URINALS), TRANSFORMER INSTALLATION AND POWER BY ELECTRICAL CONTRACTOR, LOW VOLTAGE CONTROL WIRING BY PLUMBING CONTRACTOR.
- B. PROVIDE TRANSFORMER - SIMILAR TO CHICAGO FAUCET MODEL 243.260.00.1 (HARD WIRED), (ONE TRANSFORMER SERVES MAXIMUM OF 8 FAUCETS), TRANSFORMER INSTALLATION AND POWER BY ELECTRICAL CONTRACTOR, LOW VOLTAGE CONTROL WIRING BY PLUMBING CONTRACTOR.
- C. COORDINATE WIRING OF PUMP THRU AQUASTAT WITH ELECTRICAL CONTRACTOR.
- D. COORDINATE POWER WITH ELECTRICAL CONTRACTOR.
- E. ELECTRICAL CONTRACTOR TO PROVIDE RECEPTACLE. COORDINATE LOCATION WITH ELECTRICAL CONTRACTOR.
- F. FURNISHING AND WIRING OF DISCONNECT BY ELECTRICAL CONTRACTOR.

FIXTURE PIPE SIZES SCHEDULE				
	COLD WATER	HOT WATER	SANITARY	VENT
WC	1"		4"	2"
UR	3/4"		2"	1-1/2"
LAV	3/4"	3/4"	1-1/2"	1-1/2"
SK	3/4"	3/4"	1-1/2"	1-1/2"
SH	3/4"	3/4"	3"	2"
EW-C	3/4"		1-1/2"	1-1/2"
MS	3/4"	3/4"	3"	2"
HB	3/4"			

- NOTES:
- A. IF FIXTURE NUMBER IS NOT SPECIFICALLY STATED, PIPE SIZES PERTAIN TO ALL LISTINGS OF FIXTURE TYPE.

GENERAL NOTES - PLUMBING

- A ALL WORK ON THIS DRAWING IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR UNLESS CLEARLY INDICATED TO BE PART OF ANOTHER CONTRACT.
- B THESE DRAWINGS ARE INTENDED TO SHOW THE GENERAL SCOPE OF ITEMS TO BE REMOVED. IT IS NOT INTENDED TO BE ALL INCLUSIVE. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS TO BE REMOVED. ANY ITEM IN QUESTION SHOULD BE VERIFIED WITH ENGINEER PRIOR TO REMOVAL.
- C ALL ITEMS SCHEDULED FOR DEMOLITION ARE THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL PLACE WANTED EQUIPMENT IN AREA DESIGNATED ON SITE BY OWNER. ANY ITEM THE OWNER WISHES NOT TO KEEP SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
- D THE CONTRACTOR SHALL REMOVE, PROTECT, REPLACE AND/OR REINSTALL ANY CEILING OR GRID DAMAGED OR REMOVED AS A RESULT OF EXECUTION OF CONTRACT SCOPE. UNLESS OTHERWISE INDICATED TO BE PART OF ANOTHER PRIME CONTRACT.
- E THE PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS (FRAMING, ELECTRICAL, PLUMBING, HVAC, ETC) PRIOR TO CONSTRUCTION AND INSTALLATION OF NEW WORK. NOTIFY ARCHITECT/ENGINEER OF ANY CONFLICTS THAT REQUIRE MODIFICATION TO NEW PLUMBING SYSTEM INSTALLATION.
- F THE CONTRACTOR IS TO REINSULATE ALL PORTIONS OF EXISTING PLUMBING SYSTEM DISTURBED DURING EXECUTION OF CONTRACT SCOPE.
- G THE PLUMBING CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW FLOOR OPENINGS, EXCAVATIONS OF EXISTING SUBSTRATES AND WALL PENETRATIONS TO INSTALL NEW PIPING. UNLESS OTHERWISE NOTED, ALL PIPE PENETRATIONS THROUGH WALLS AND FLOORS WILL BE SEALED WITH FIRE-STOPPING.
- H UNLESS NOTED OTHERWISE THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL PIPING WITHIN 5 FEET FROM BUILDING. COORDINATE CONNECTIONS.
- I THE PLUMBING CONTRACTOR WILL BE RESPONSIBLE FOR PATCHING AND SEALING OF ALL DISTURBED SUBSTRATE, WALLS AND CEILING TO EXISTING FINISHES UNLESS OTHERWISE NOTED.
- J THE PLUMBING CONTRACTOR TO COORDINATE ALL NEW ROOF, WALL & FLOOR PENETRATIONS.
- K INVERT DIMENSION IS TO BOTTOM OF PIPE.
- L ALL PIPING TO BE ROUTED AS HIGH AND AS TIGHT TO STEEL STRUCTURE AS POSSIBLE.
- M THE CONTRACTOR WILL BE RESPONSIBLE FOR FINAL CONNECTION OF PLUMBING UTILITIES TO ALL EQUIPMENT REQUIRING SAID UTILITIES, INCLUDING THOSE PROVIDED BY OTHERS. COORDINATE AS REQUIRED.
- N THE CONTRACTOR IS TO PROVIDE ADA COMPLIANT VINYL PIPE COVER ON EXPOSED COLD WATER, HOT WATER AND SANITARY PIPING BELOW ADA LAVATORY/SINK. SANITARY PIPE COVER SHALL BE INSTALLED UP TO BOTTOM OF FIXTURE.
- O REFER TO ARCH DRAWINGS FOR INDICATION OF ADA FIXTURES & ACCESSORIES, & ASSOCIATED MOUNTING HEIGHTS.
- P ALL DOMESTIC PIPING SHALL BE SLOPED 1/8" PER 1' TO ALL FIXTURES FOR WINTERIZATION PURPOSES.

DRAWN BY: KMM
CHECKED BY: ENS
DATE: 10/24/2025
PHASE: CD

DESCRIPTION OF REVISION:
ISSUED FOR BID

DATE:
1 10/22/2026

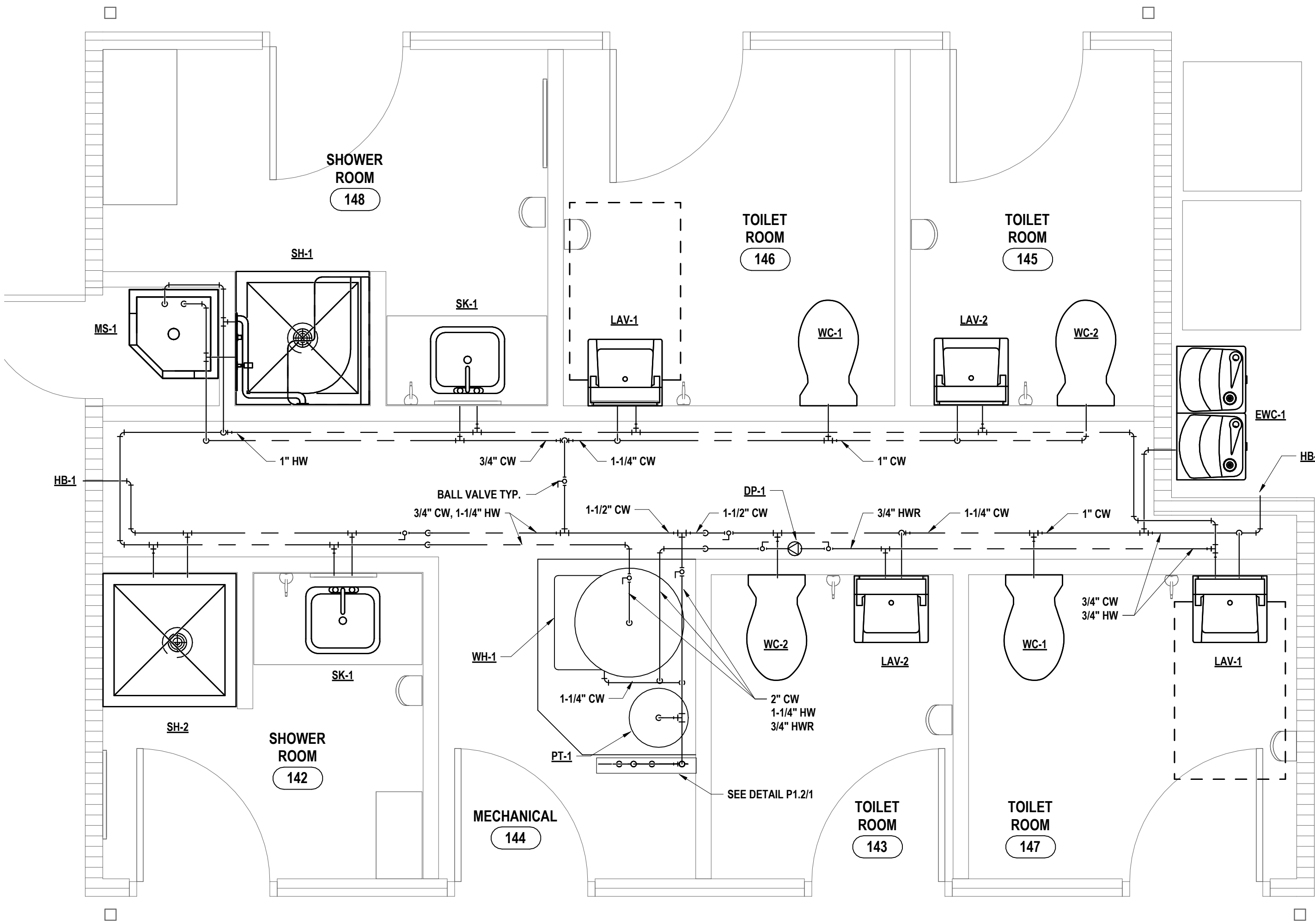
IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS
DRAWN & LOCATED, ENGINEERED, ARCHITECT'S & SURVEYOR'S SEAL

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
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BINGHAMTON, NY 607-738-8881 ALBANY, NY 607-738-8801
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NY CERTIFICATE NO. 0016220 PA CERTIFICATE NO. TSC220013464-1

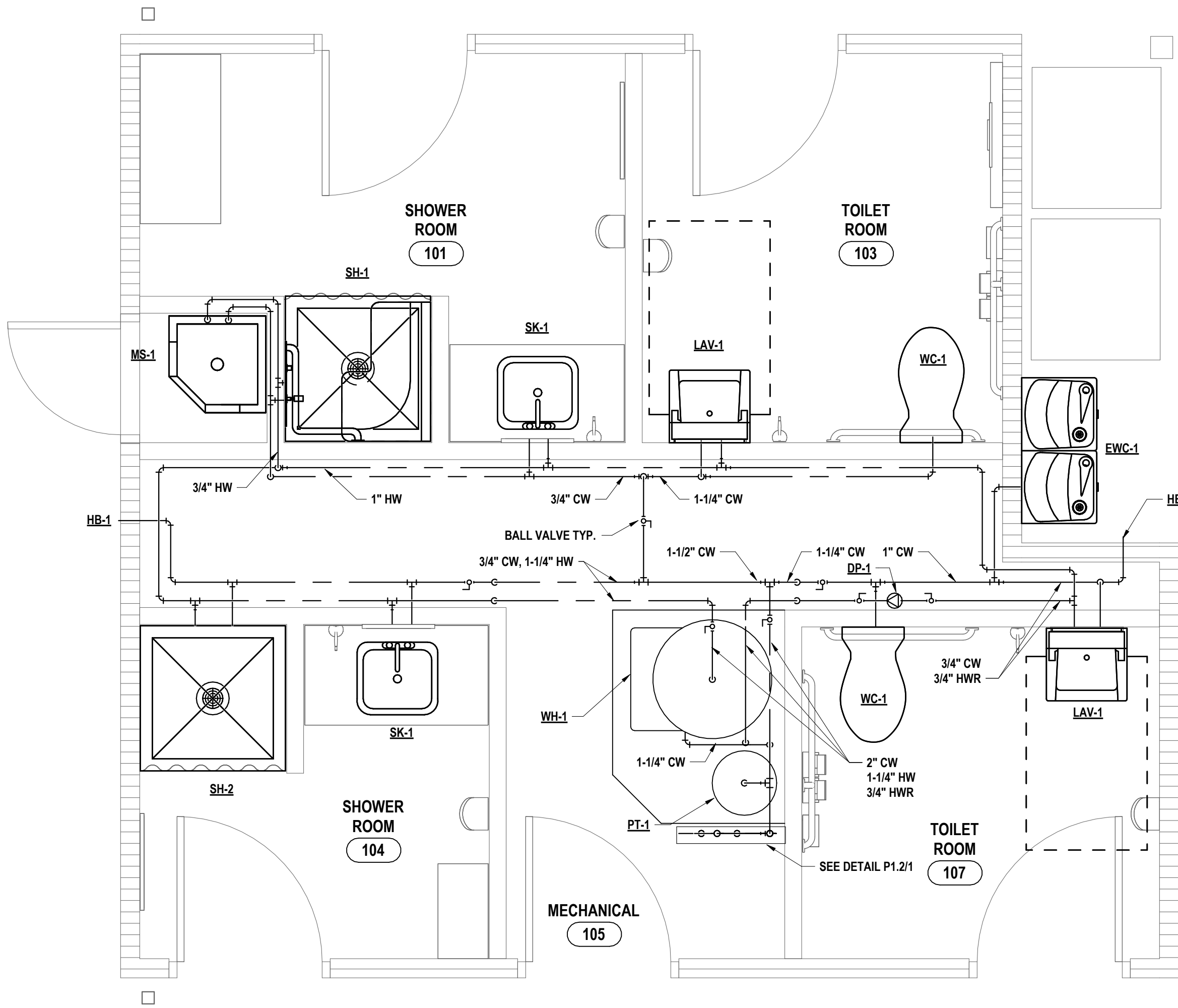
FIRST FLOOR PLUMBING PLAN
HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

P1.1

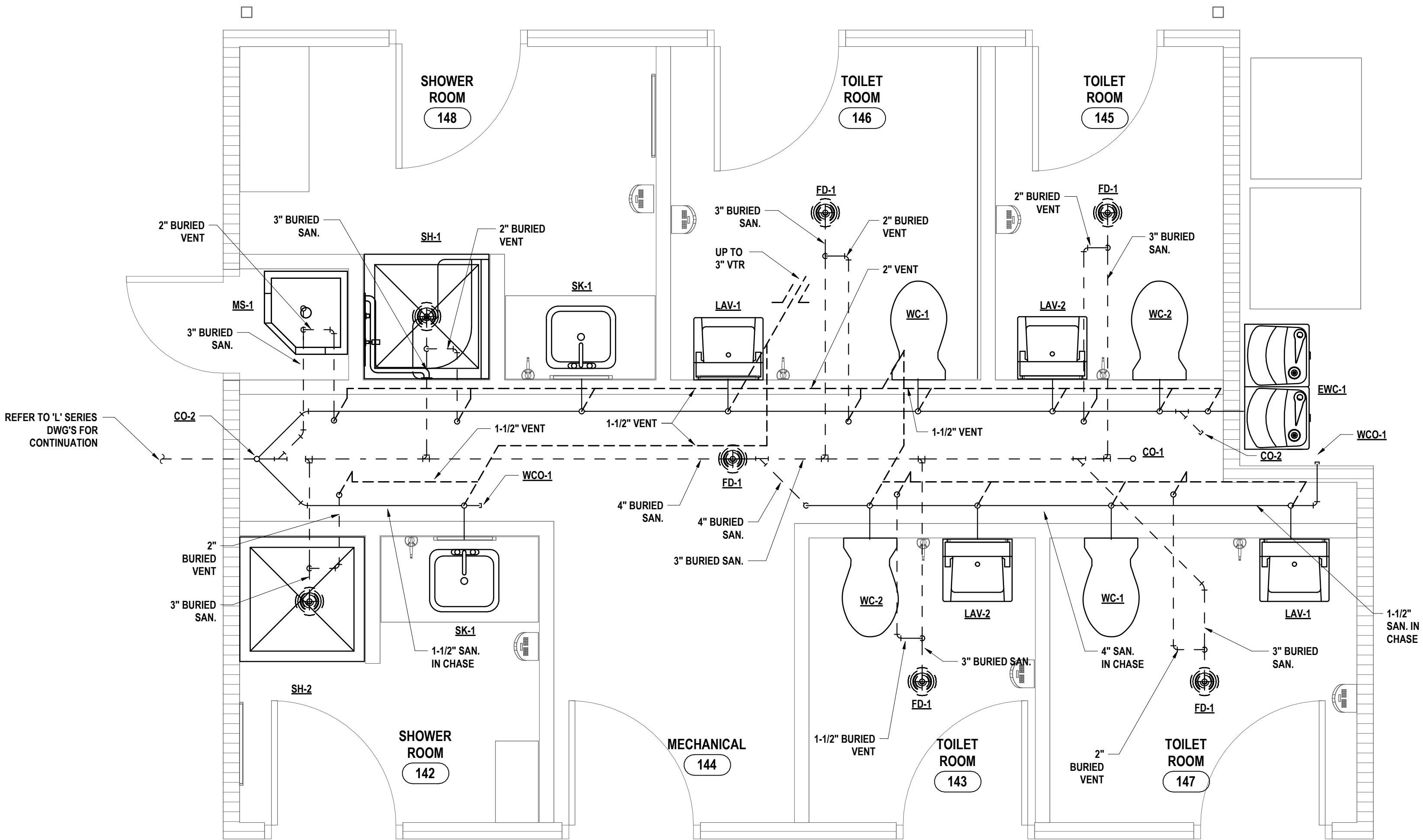
PROJECT NO: 1544-010



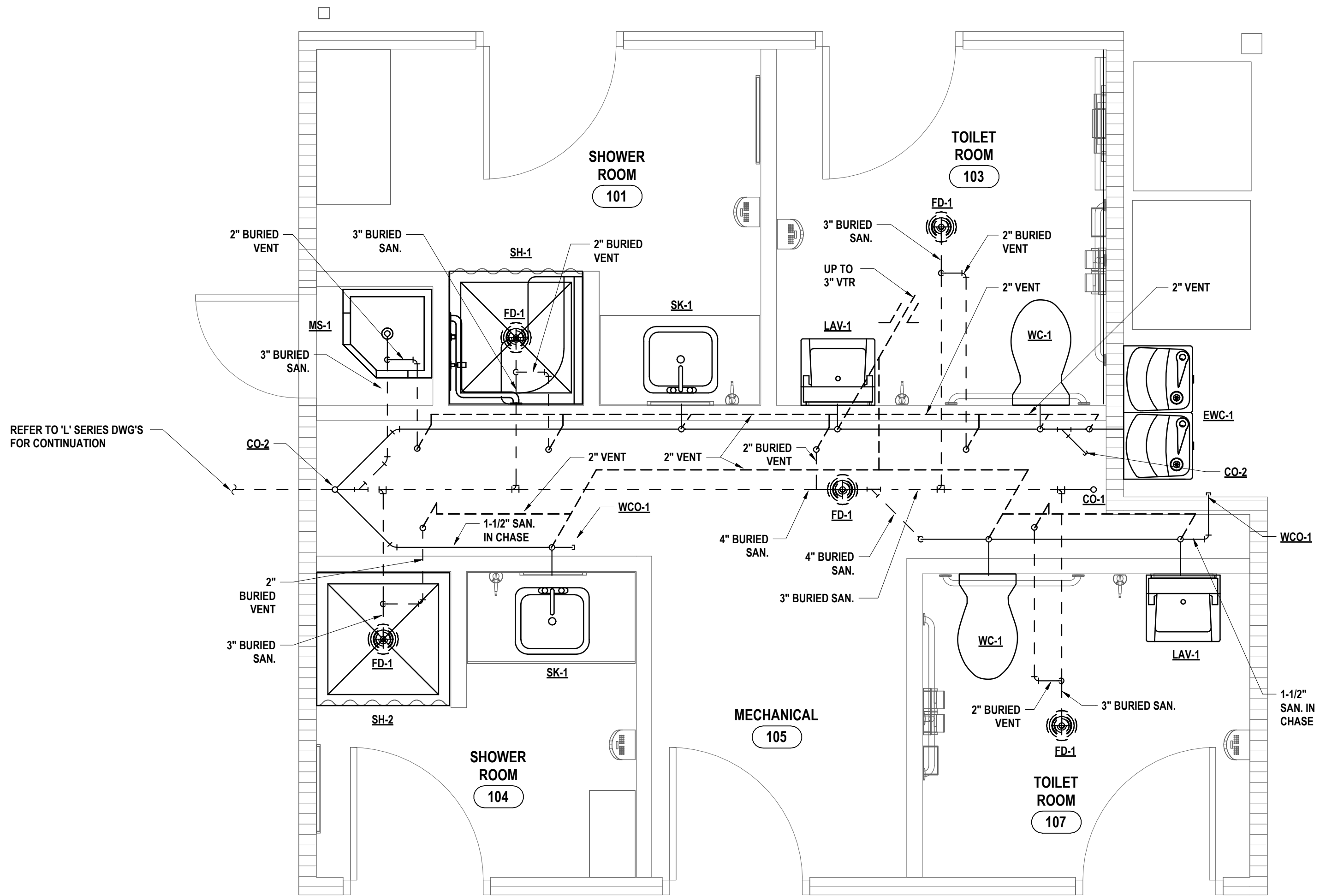
4 FIRST FLOOR DOMESTIC PLAN - ALT 2 AND 3
1/2" = 1'-0"



3 FIRST FLOOR DOMESTIC PLAN - BASE AND ALT 1
1/2" = 1'-0"



2 FIRST FLOOR SANITARY PLAN 1 - ALT 2 AND 3
1/2" = 1'-0"



1 FIRST FLOOR SANITARY PLAN 1 - BASE AND ALT 1
1/2" = 1'-0"

MECHANICAL EQUIPMENT CONNECTION AND CONTROL SCHEDULE																											
EQUIPMENT							SUPPLY			CONTROL DEVICES MOUNTED IN ROOMS AS SCHEDULED AND AS SHOWN ON PLANS (AU = AT UNIT)																	
IDENTIFICATION / TAG	DESCRIPTION	LOCATION (ROOM #)	HORSEPOWER / KILOWATTS / FLA / MCA	PHASE	VOLTAGE	PANEL OR CONTROL CENTER	CIRCUIT BREAKER	WIRE SIZE	REFERENCE NOTES	DISCONNECT SWITCH (FURNISHED & INSTALLED BY E.C.)	DISCONNECT SWITCH (FURNISHED BY H.C. & INSTALLED BY E.C.)	PREWIRING FACTORY MOUNTED DISCONNECT SWITCH (BY MFR.)	MANUAL MOTOR STARTER (FURNISHED & INSTALLED BY E.C.)	MAGNETIC STARTER (FURNISHED & INSTALLED BY E.C.)	COMBINATION STARTER (FURNISHED & INSTALLED BY E.C.)	VARIABLE SPEED DRIVE (FURNISHED & INSTALLED BY E.C.)	VFD PACKAGE (FURNISHED & INSTALLED BY H.C. CONNECTED BY E.C.)	VFD WITH CHOKER (FURNISHED BY H.C. & INSTALLED BY E.C.)	PACKAGED CONTROL UNIT	SINGLE POINT CONNECTION	FAN SHUTDOWN UPON FACP ACTIVATION (X>1000CFM)	DUCT SMOKE DETECTOR IN RETURN DUCT (X>2000CFM)	BOILER SHUTDOWN SAFETY SWITCH	LINE VOLTAGE THERMOSTAT (FURNISHED BY H.C. & INSTALLED BY E.C.)	FACTORY MOUNTED STARTER & DISCONNECT (BY MFR.)	CONNECT AQUASTAT	PROVIDE 20AMP, 120V GFCI RECEPTACLE IN WEATHERPROOF ENCLOSURE AT UNIT.
WH-1	WATER HEATER	MECH 105	112.5 MCA	1	240	PP	150A/2P	(2)-#10 , (1)-#6 G IN 1 1/4"	-	X																	
EF-1	EXHAUST FAN	MECH 105	1/3 HP	1	240	PP	15A/2P	(2)-#12 , (1)-#12 G IN 3/4"	A			X															
DP-1	DOMESTIC WATER PUMP	MECH 105	0.7 FLA	1	115	PP	15A/1P	(2)-#12 , (1)-#12 G IN 3/4"	-	X																	X

NOTE: ALL DEVICES / EQUIPMENT / HARDWARE SHALL BE SUITABLE FOR USE IN THE ENVIRONMENT INDICATED, SEE SPECIFICATIONS FOR FURTHER INFORMATION.

MECHANICAL EQUIPMENT CONNECTION AND CONTROL SCHEDULE REFERENCE NOTES:

A. REFER TO DETAIL 1 FOR EF-1 CONTROL DIAGRAM.

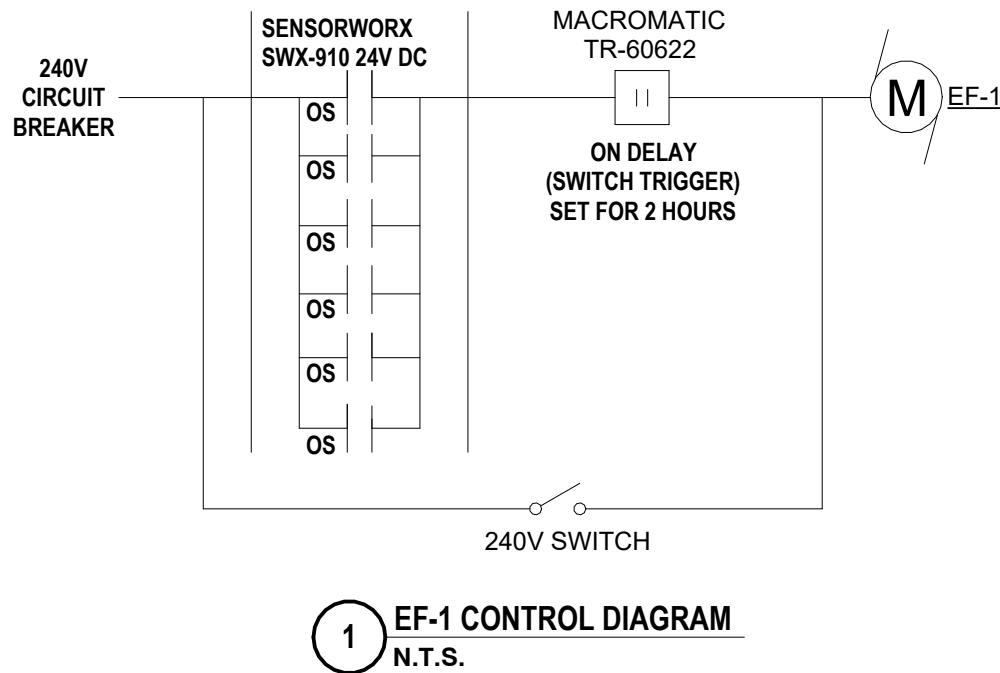
LIGHT FIXTURE SCHEDULE												
TYPE	DESCRIPTION	SIZE	MOUNTING	VOLTAGE	LUMENS	LED COLOR TEMP	LOAD EA (WATTS)	MANUFACTURER/CATALOG NO.		FINISH	REMARKS	NOTES
S1	ROUND ADJUSTABLE DOWNLIGHT	4.5 IN	RECESSED	UNV	2715	3500	36	USAI #B4RART-36E1-35KS-R60-S-WH-WH-RT-UNV-D6E		WHITE	-	-
S2	LINEAR WALL MOUNT	4 FT	SURFACE/WALL	UNV	3200	3500	45	SELUX #PT-1D45-935-LW-W-04-BL-U-DIM		BLACK	-	-
S2 EM	LINEAR WALL MOUNT	4 FT	SURFACE/WALL	UNV	3200	3500	45	SELUX #PT-1D45-935-LW-W-04-BL-U-DIM-CEM		BLACK	PROVIDE WITH INTEGRAL EMERGENCY BACKUP BATTERY	-

BASE BID AND ALTERNATE 1 PANEL SCHEDULE

Branch Panel: PP										
Location: BATHHOUSE MECH. 105			Volts: 120/240V			A.I.C. Rating: 22 KAIC				
Supply From: BATHROOM			Phases: 1			Mains Type: MCB				
Mounting: SURFACE			Wires: 3			Mains Rating: 225 A				
Enclosure: TYPE 1						MCB Rating: 225 A				
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	RECEPTACLE 104	20 A	1				1	20 A	RECEPTACLE 101	2
3	RECEPTACLE 103	20 A	1				1	20 A	RECEPTACLE 107	4
5	DRINKING FOUNTAIN RECEPTACLES	20 A	1				1	20 A	RECEPTACLE 105	6
7	DRINK VENDING MACHINE RECEPTACLE	20 A	1				1	20 A	HAND DRYER 104	8
9	HAND DRYER 101	20 A	1				1	20 A	HAND DRYER 103	10
11	HAND DRYER 107	20 A	1				1	20 A	LIGHTS 105	12
13	LIGHTS 101 104 CLOSET	20 A	1				2	150 A	WATER HEATER	14
15	LIGHTS 103 107	20 A	1	--	--	--	--	--	--	16
17	EXTERIOR LIGHTS ASTRONOMIC TIMER	20 A	1				2	15 A	EXHAUST FAN	18
19	SNACK VENDING MACHINE RECEPTACLE	20 A	1	--	--	--	--	--	--	20
21	HEAT DETECTORS	20 A	1				1	20 A	SPARE	22
23	DOMESTIC PUMP	20 A	1				1	20 A	SPARE	24
25	SPARE	20 A	1				1	20 A	SPARE	26
27	SPARE	20 A	1				1	20 A	SPARE	28
29	SPARE	20 A	1				1	20 A	SPARE	30
31	SPARE	20 A	1				1	20 A	SPARE	32
33	SPARE	20 A	1				1	20 A	SPARE	34
35	SPARE	20 A	1				1	20 A	SPARE	36
37	SPARE	20 A	1				1	20 A	SPARE	38
39	SPARE	20 A	1				1	20 A	SPARE	40
41	SPARE	20 A	1				1	20 A	SPARE	42
Notes:										

ALTERNATE 2 AND ALTERNATE 3 PANEL SCHEDULE

Branch Panel: PP										
Location: BATHHOUSE MECH. 105			Volts: 120/240V			A.I.C. Rating: 22 KAIC				
Supply From: BATHROOM			Phases: 1			Mains Type: MCB				
Mounting: SURFACE			Wires: 3			Mains Rating: 225 A				
Enclosure: TYPE 1						MCB Rating: 225 A				
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	RECEPTACLE 104	20 A	1				1	20 A	RECEPTACLE 101	2
3	RECEPTACLE 102	20 A	1				1	20 A	RECEPTACLE 103	4
5	RECEPTACLE 105	20 A	1				1	20 A	RECEPTACLE 105	6
7	DRINK VENDING MACHINE RECEPTACLE	20 A	1				1	20 A	RECEPTACLE 107	8
9	DRINKING FOUNTAIN RECEPTACLES	20 A	1				1	20 A	HAND DRYER 101	10
11	HAND DRYER 102	20 A	1				1	20 A	HAND DRYER 103	12
13	HAND DRYER 104	20 A	1				1	20 A	HAND DRYER 107	14
15	HAND DRYER 106	20 A	1				1	20 A	LIGHTS 101 104	16
17	LIGHTS 102 103	20 A	1				1	20 A	LIGHTS 106 107	18
19	LIGHTS 105	20 A	1				2	150 A	WATER HEATER	20
21	EXTERIOR LIGHTS ASTRONOMIC TIMER	20 A	1				--	--	--	22
23	SNACK VENDING MACHINE RECEPTACLE	20 A	1				2	15 A	EXHAUST FAN	24
25	HEAT DETECTORS	20 A	1				--	--	--	26
27	SPARE	20 A	1				1	20 A	DOMESTIC PUMP	28
29	SPARE	20 A	1				1	20 A	SPARE	30
31	SPARE	20 A	1				1	20 A	SPARE	32
33	SPARE	20 A	1				1	20 A	SPARE	34
35	SPARE	20 A	1				1	20 A	SPARE	36
37	SPARE	20 A	1				1	20 A	SPARE	38
39	SPARE	20 A	1				1	20 A	SPARE	40
41	SPARE	20 A	1				1	20 A	SPARE	42
Notes:										



1 EF-1 CONTROL DIAGRAM
N.T.S.

SCHEDULES AND DETAILS

HAVANA GLEN PARK IMPROVEMENTS EP237411
TOWN OF MONTOUR

35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

E2.2

PROJECT NO: 1544-910

DESCRIPTION OF REVISION:
ISSUED FOR BID

DATE:
3 10/22/2026

NY CERTIFICATE NO. 0016220 PA CERTIFICATE NO. TSC220313464-1

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

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BINGHAMTON, NY 607-738-8881 ALBANY, NY 607-738-8801
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DRAWN BY: MDR
CHECKED BY: TAWO
DATE: 10/24/2025
PHASE: CP

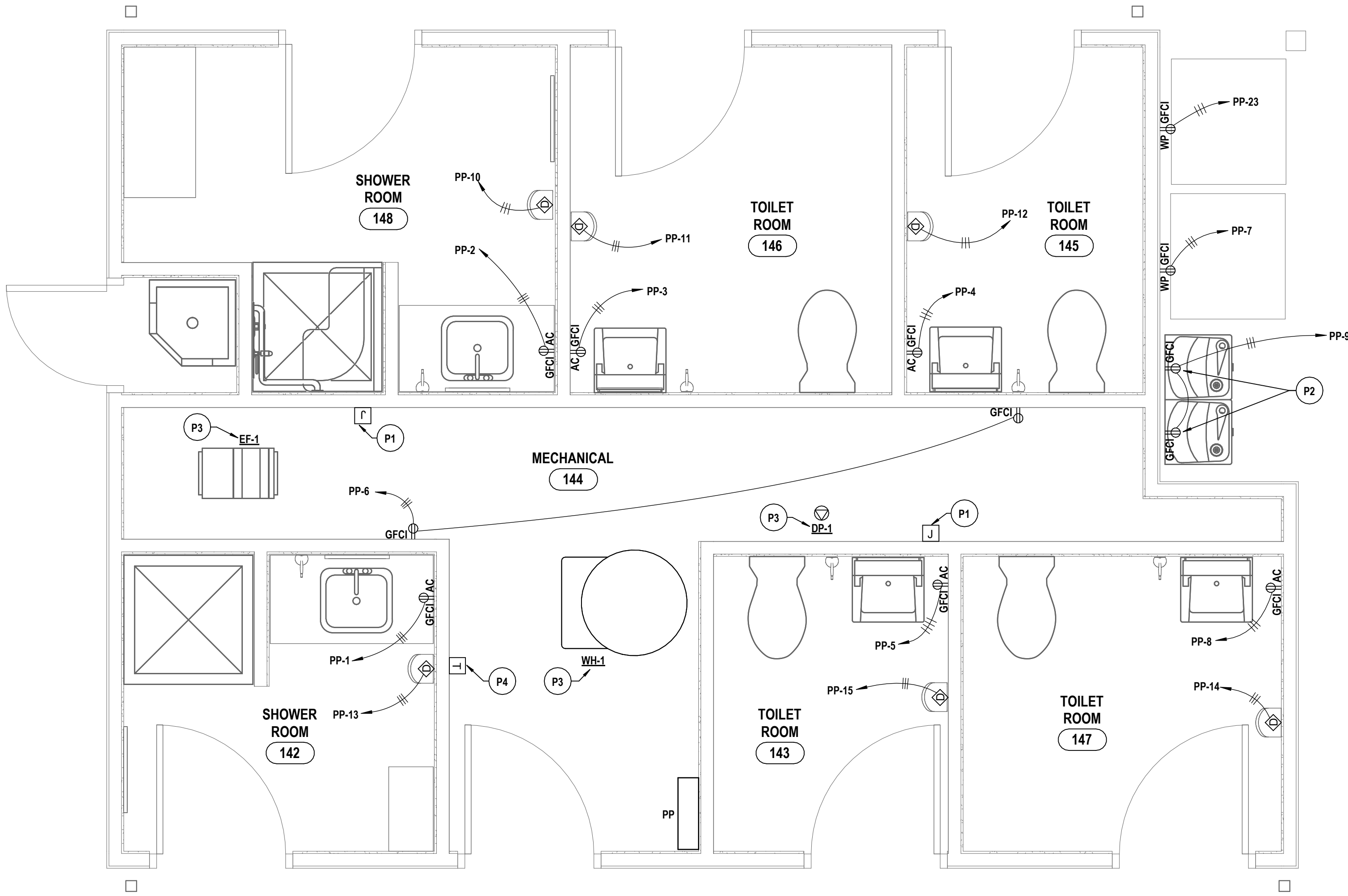
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GENERAL NOTES - ELECTRICAL

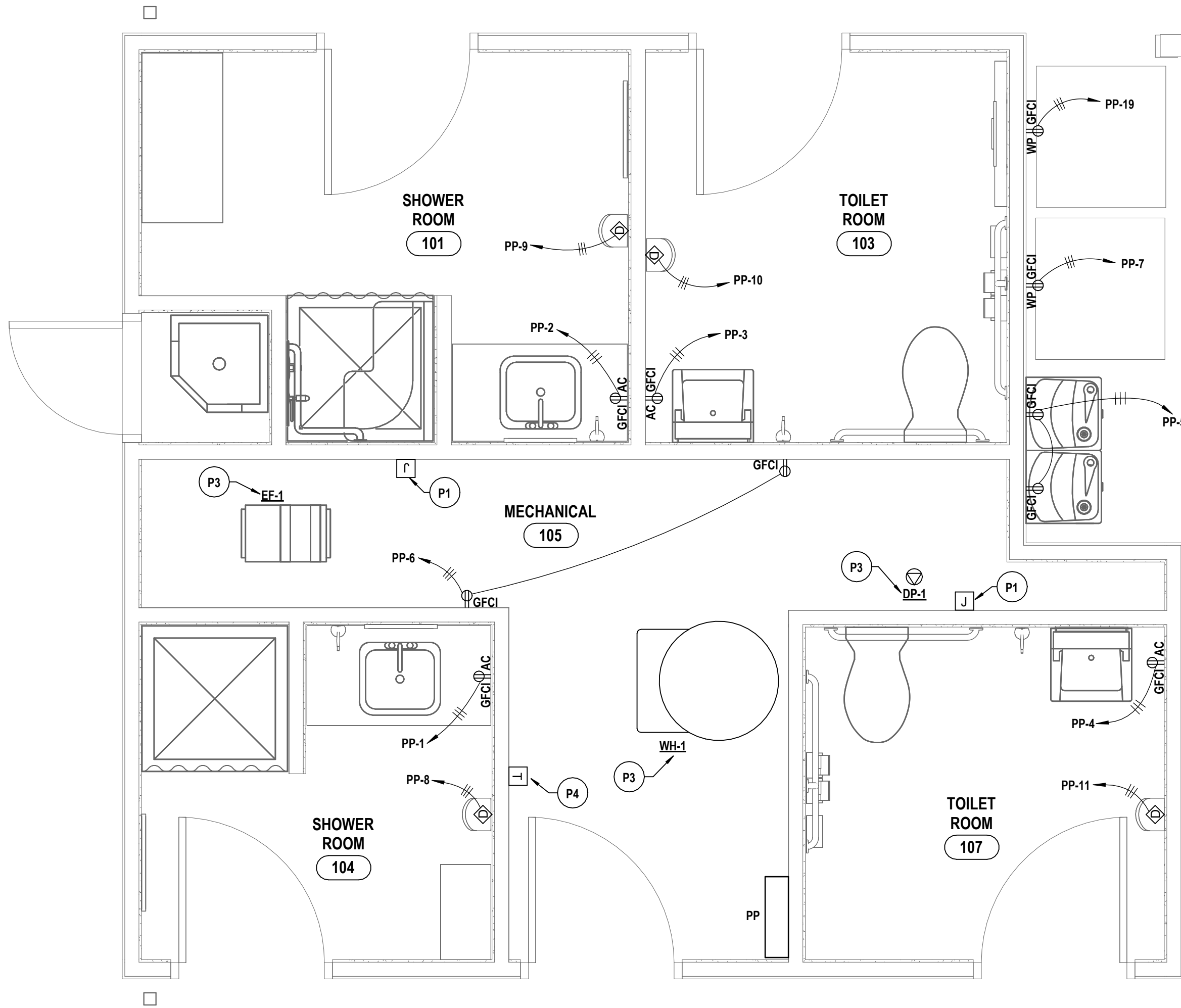
- A CONTRACTOR IS RESPONSIBLE FOR ALL WORK ON THIS DRAWING UNLESS CLEARLY INDICATED TO BE PART OF ANOTHER PRIME CONTRACT.
- B CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND INSTALLATION AND NOTIFY ENGINEER/ARCHITECT OF CONFLICTS AND CONDITIONS WHICH INTERFERE WITH INSTALLATION AS SET FORTH IN CONTRACT DOCUMENTS.
- C CONTRACTOR IS RESPONSIBLE FOR ALL NEW WALL OPENINGS, EXCAVATIONS, AND PENETRATIONS, UNLESS SPECIFICALLY NOTED. UPON COMPLETION, ALL PENETRATIONS TO BE SEALED TO MAINTAIN FIRE RATING AS SPECIFIED ON ARCHITECTURAL DRAWINGS.
- D CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING UNLESS CLEARLY INDICATED AS PART OF ANOTHER PRIME CONTRACT.
- E MINIMUM CONDUIT SIZE USED ON THIS PROJECT SHALL BE 3/4" UNLESS OTHERWISE NOTED.
- F MINIMUM WIRE SIZE USED ON THIS PROJECT SHALL BE #12 THINWALL UNLESS OTHERWISE NOTED.
- G ALL CABLING INSTALLATIONS AND TERMINATIONS TO ADHERE TO CURRENT NEC CODES AND RELATED ANS/IEEE STANDARDS.
- H DURING DEMOLITION OF EXISTING CABLING, ANY DAMAGE TO FUNCTIONING CABLING SYSTEM IS THE RESPONSIBILITY OF AND WILL BE REPAIRED BY THE CONTRACTOR.
- I CONTRACTOR SHALL BE AWARE OF THE PRESENCE OF EXISTING ASBESTOS CONTAINING MATERIAL SCHEDULED TO REMAIN IN PLACE WITHIN THE PROJECT SCOPE. ANY WORK REQUIRED THAT HAS THE POTENTIAL TO DISTURB HAZARDOUS MATERIALS SHALL BE COORDINATED DIRECTLY WITH THE OWNER.
- J ALL ELECTRICAL DEVICES, MATERIALS, AND PACKAGED EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORIES INC. (UL).
- K NEW CIRCUIT BREAKER(S) THAT ARE TO BE ADDED TO EXISTING PANELBOARD(S) SHALL BE LISTED/LABELED FOR USE WITH THE EXISTING PANELBOARD(S).
- L THE SHORT-CIRCUIT RATINGS OF ALL PROTECTIVE DEVICES SHALL BE EQUAL TO OR EXCEED THE AVAILABLE SHORT-CIRCUIT CURRENT.
- M ALL WORK TO CONFORM TO CURRENT NEC AND ALL APPLICABLE CODES.
- N CONTRACTOR TO NOTIFY ELECTRICAL ENGINEER FOR INSPECTION OF ALL INSTALLATIONS BEFORE BEING BURIED OR COVERED.
- O ALL ELECTRICAL DEVICES AND EQUIPMENT SCHEDULED FOR REMOVAL ARE CONSIDERED PROPERTY OF THE OWNER. ELECTRICAL DEVICES AND EQUIPMENT SHALL BE PLACED IN AN AREA DESIGNATED BY THE OWNER. ANY DEVICE OR EQUIPMENT THE OWNER WISHES NOT TO KEEP SHALL BE DISPOSED OF BY THE CONTRACTOR.
- P CONTRACTOR IS RESPONSIBLE FOR DISCONNECTING POWER TO ANY EQUIPMENT SCHEDULED TO BE REMOVED OR REPLACED. COORDINATE WORK WITH OTHER PRIME CONTRACTORS AND DRAWINGS.
- Q CONTRACTOR IS RESPONSIBLE FOR PROVIDING POWER TO ANY EQUIPMENT SCHEDULED TO BE NEWLY INSTALLED. COORDINATE WORK WITH OTHER PRIME CONTRACTORS AND DRAWINGS.
- R CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONDUIT LOCATIONS IN FIREWALLS. A MAXIMUM OF ONE PIECE OF CONDUIT IS ALLOWED IN A NON-REINFORCED CORE. NO CONDUIT SHALL BE PLACED IN A VERTICALLY REINFORCED CORE IN A FIREWALL.
- S ALL NEW ELECTRICAL DEVICES SUCH AS, BUT NOT LIMITED TO, FIRE ALARM DEVICES, SMOKE DETECTORS, LIGHT FIXTURES, EXIT SIGNS, OCCUPANCY/VACANCY SENSORS, AND NON-KEYED SWITCHES ARE REQUIRED TO HAVE IMPACT PROTECTION THROUGH MEANS OF IMPACT RESISTANT COVERS, OR WIRE GUARDS IN LOCKER ROOMS, GYMNASIUMS, WEIGHT ROOMS, FITNESS CENTERS, WRESTLING ROOMS, AND CAFETERIAS.

CONSTRUCTION NOTES - POWER

- P1 PROVIDE 120V TO 4X4 JUNCTION BOX IN THIS LOCATION TO SERVE POWERED WATER CLOSETS, URINALS, AND LAVATORIES FOR THIS SET OF BATHROOMS.
- P2 PLACE GFCI RECEPTACLE WITHIN THE EXTENTS OF DRINKING FOUNTAIN SHROUD.
- P3 PROVIDE POWER TO MECHANICAL EQUIPMENT. REFER TO MECHANICAL CONNECTION SCHEDULE.
- P4 PROVIDE ASTRONOMIC TIMER FOR EXTERIOR LIGHTS IN THIS LOCATION. CIRCUIT TO SPACE 21 IN PANEL PP USING (2)-#12, (1)-#12G, IN 3/4" C.



2 FIRST FLOOR POWER PLAN - ALTERNATE 2 AND ALTERNATE 3
1/2" = 1'-0"



1 FIRST FLOOR POWER PLAN - BASE-BID AND ALTERNATE 1
1/2" = 1'-0"

DRAWN BY: MDR	
CHECKED BY: TAWO	
DATE: 10/24/2025	
PHASE: CP	
DESCRIPTION OF REVISION: ISSUED FOR BID	
#	DATE
3	10/22/2026

HUNT

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ALBANY, NY 518-265-4666

ALBANY, NY 518-788-8881

ALBANY, NY 518-788-8881

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NY CERTIFICATE NO. 0019220

PA CERTIFICATE NO. TSC220013/464-1

FIRST FLOOR POWER PLAN

HAVANA GLEN PARK IMPROVEMENTS EPF237411

TOWN OF MONTAUR

35 HAVANA GLEN ROAD MONTAUR FALLS, NY 14865

E1.1

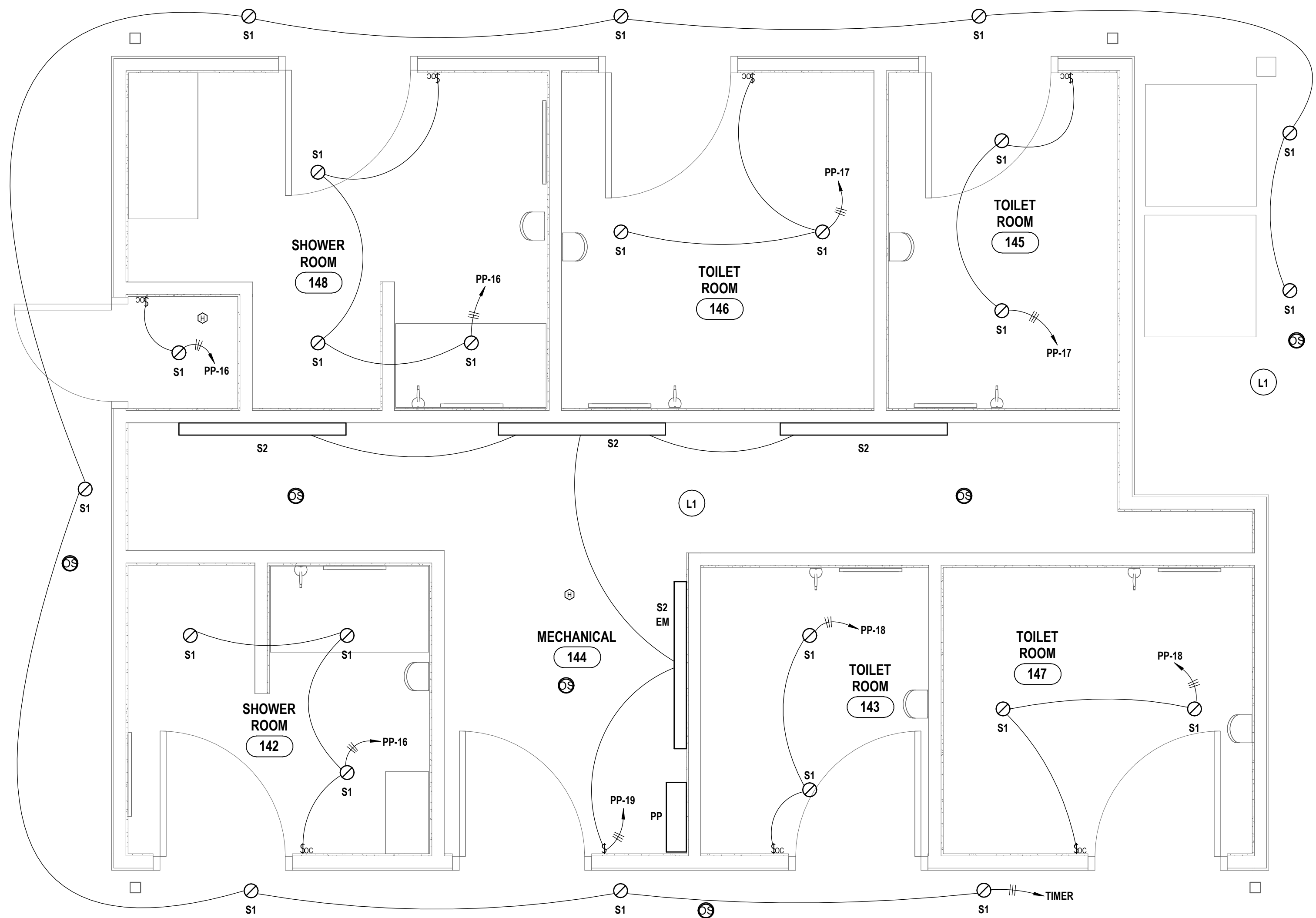
PROJECT NO: 1544-010

GENERAL NOTES - ELECTRICAL

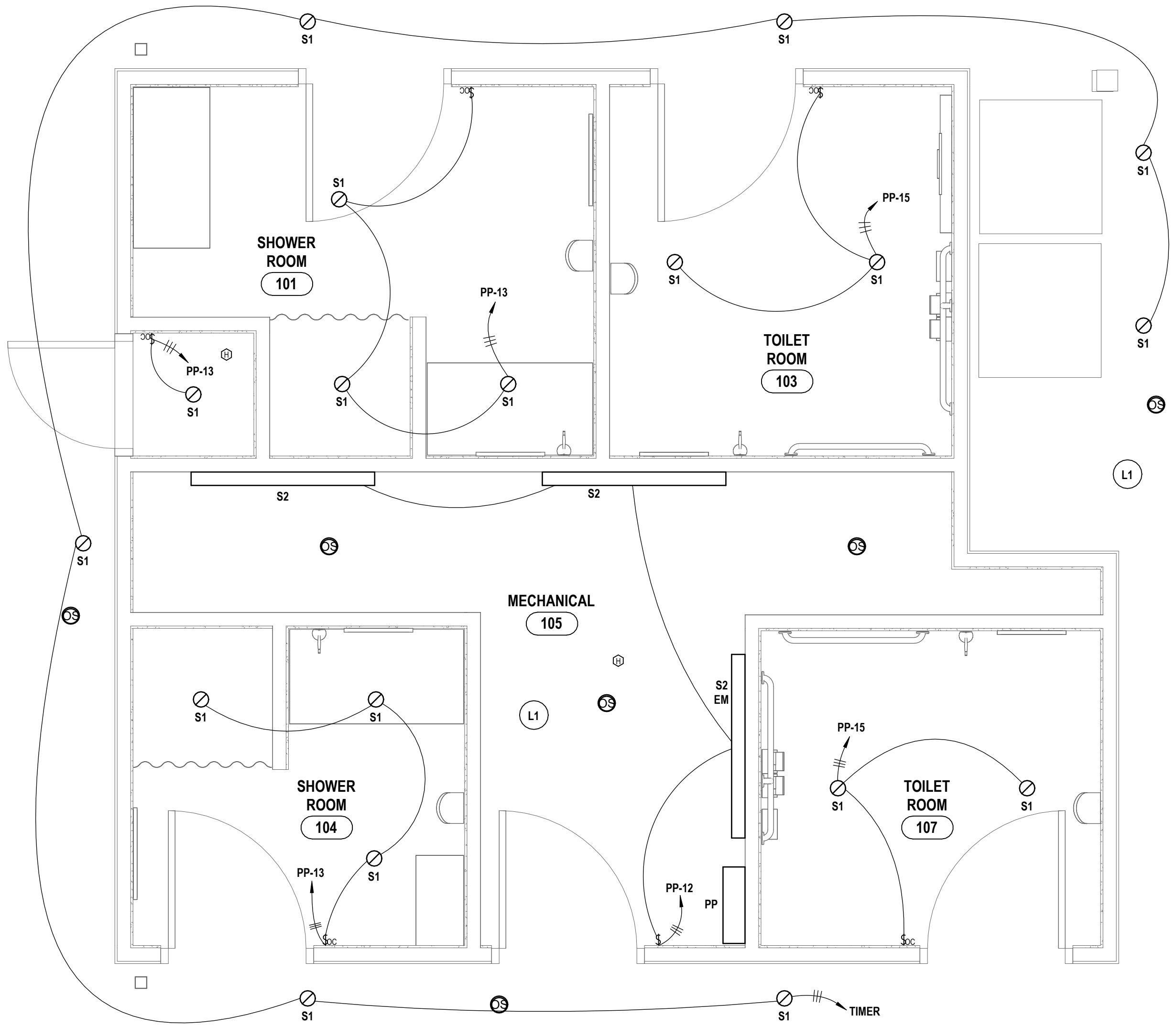
REFER TO E1.1

CONSTRUCTION NOTES - LIGHTING & FA

L1
PROVIDE LIGHT FIXTURES AND LIGHTING CONTROL DEVICES IN QUANTITIES AND LOCATIONS SHOWN ON PLAN. CONTRACTOR TO COORDINATE LIGHTING FIXTURE MOUNTING WITH SPECIFIED CEILING CONDITION, APPROVED CEILING SHOP DRAWINGS, LIGHTING MANUFACTURER'S RECOMMENDATIONS, AND FIELD CONDITIONS. INTERIOR LIGHTING FIXTURES TO BE CONTROLLED BY LOCAL ON/OFF SWITCH AND OCCUPANT SENSOR WHICH SHALL BE PROGRAMMED TO SHUT LIGHTS WITHIN SPACE FULLY OFF AFTER 15 MINUTES OF SENSED VACANCY. EXTERIOR LIGHT FIXTURES SHALL BE CONTROLLED VIA EXTERIOR RATED DAYLIGHT PHOTOCELL WHICH WILL AUTOMATICALLY TURN LIGHTS ON IN THE NIGHTTIME CONDITION AND AUTOMATICALLY TURN LIGHTS OFF IN THE DAYTIME CONDITION, AND HAVE EXTERIOR RATED OCCUPANT SENSORS TO REDUCE THE MAXIMUM OUTPUT OF THE FIXTURES TO 50% AFTER 15 MINUTES OF SENSED VACANCY IN THE NIGHTTIME CONDITION. CONTRACTOR TO COORDINATE SENSOR MOUNTING LOCATIONS WITH MANUFACTURER'S RECOMMENDATIONS AND FIELD CONDITIONS.



2 FIRST FLOOR LIGHTING PLAN - ALTERNATE 2 AND ALTERNATE 3
1/2" = 1'-0"



1 FIRST FLOOR LIGHTING PLAN - BASE-BID AND ALTERNATE 1
1/2" = 1'-0"

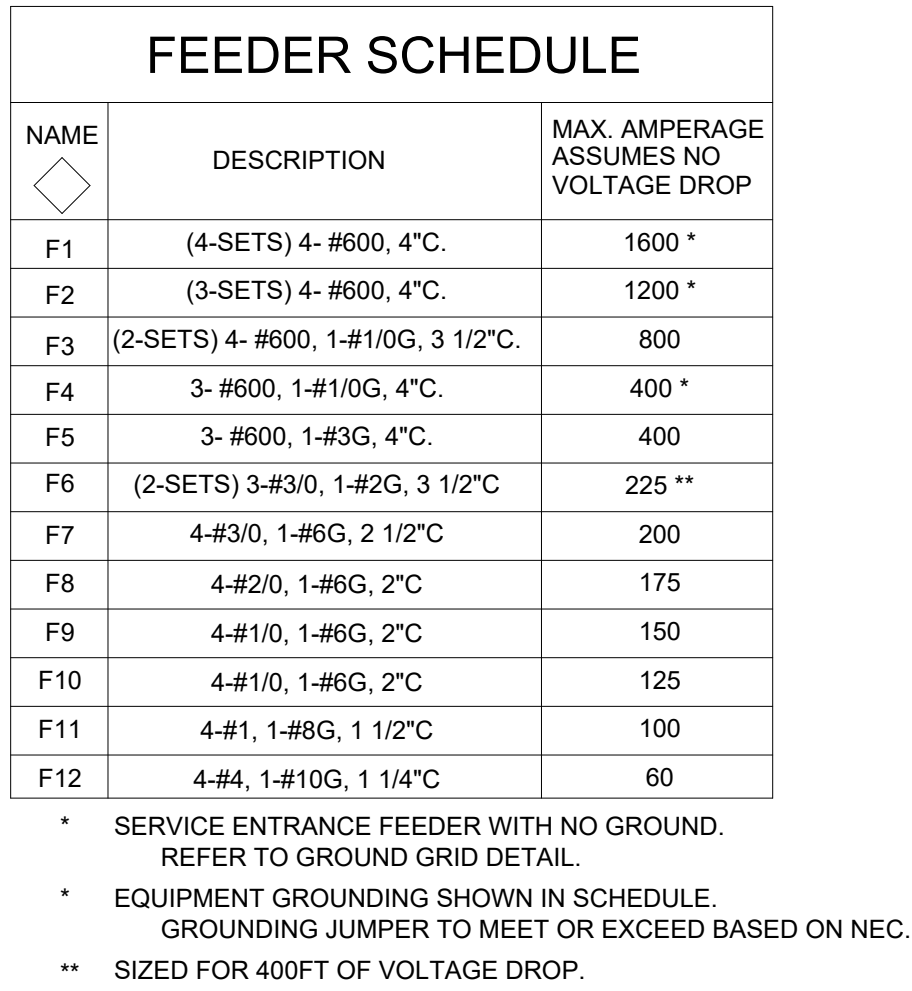
DRAWN BY:		NRL	Copyright, 2026
CHECKED BY:		TAWC	
DATE:		10/24/2025	
PHASE:		CD	
DESCRIPTION OF REVISION: ISSUED FOR BID		IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS DRAWN BY LICENSED ENGINEER, ARCHITECT'S OR SURVEYOR'S SEAL.	
#	DATE:		
3	10/22/2026		

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607-253-1000 ROCHESTER, NY 585-537-7549 TOWNANDA, PA 570-265-4606
BINGHAMTON, NY 607-798-8881 ALBANY, NY 607-798-8801 WWW.HUNTEAS.COM
NY CERTIFICATE NO. 0019220 PA CERTIFICATE NO. TSC220013464-1

FIRST FLOOR LIGHTING PLAN
HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

E1.2

PROJECT NO: 1544-010



TYPICAL, FOR ALL BRANCH
CIRCUITRY AFFECTED BY PANEL
REMOVAL, SECURE FOR REUSE.



1. GROUNDING ELECTRODE SYSTEM INSTALLATION SHALL BE IN STRICT COMPLIANCE OF LOCAL CODES AND AUTHORITY HAVING JURISDICTION.
2. THIS SUPPLEMENTAL GROUND ONLY OCCURS WHERE COLD WATER LINE IS IN CLOSE PROXIMITY TO MSWB AND COLD WATER LINE IS USED AS MAIN GROUND ELECTRODE.
3. WHERE COLD WATER LINE ENTERS BUILDING AT FRONT, BOND COLD WATER LINE TO BUILDING STRUCTURAL STEEL.

SERVICE POLE PROVIDED BY OTHERS.

PROVIDE WEATHER HEAD AT END OF CONDUIT TO PREVENT ENTRANCE OF WATER

PROVIDE INSULATED GROUNDING BUSHING WITH GROUND WIRE

8'-12'

FINISH GRADE

OTHERS TO COORDINATE DEPTH WITH UTILITY

SERVICE CONDUCTORS SIZED PER DRAWINGS. OTHERS TO PROVIDE EXTRA WIRE BEYOND THE UTILITY'S SECONDARY CONNECTION. OTHERS TO COORDINATE WITH UTILITY.

RIGID GALVANIZED STEEL CONDUIT RISER LOCATED ON SIDE OF POLE AWAY FROM TRAFFIC. SECURED WITH PIPE STRAPS AT MAXIMUM OF 30" SPACING. INSTALLATION AND MATERIALS PROVIDED BY OTHERS

RIGID METALLIC CONDUIT PROVIDED AND INSTALLED BY OTHERS.

PVC CONDUIT TO WITHIN 8' OF POLE. DEPTH AS REQUIRED BY NEC. CONNECT TO CONDUIT WITH PROPER CONNECTION DEVICE (TERMINAL ADAPTER, ETC.). ALL MATERIALS AND INSTALLATION PROVIDED BY OTHERS

UTILITY POLE DETAIL
N.T.S.

TYPICAL FOR ALL BRANCH
CIRCUITRY, RECONNECT EXISTING
ASSOCIATED SECURED CIRCUITRY.

