

New Building For:

ADVANCED INDUSTRIAL ROOFING, INC.

1330 South Erie St., Massillon, OH 44646

NOTE:
DO NOT SCALE DRAWINGS. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO COORDINATE HIS WORK ON THIS SHEET WITH ALL OTHER SHEETS AND REPORT ANY DISCREPANCIES TO ARCHITECT FOR VERIFICATION.

BA WIDDER
Architectural Services
Commercial, Industrial, & Residential Design
407 4th Street NW Suite B New Philadelphia, Ohio 44663 Phone (330) 335-4054 Fax (330) 335-4219

Bruce A. Widder, Lic. #11195
Expiration Date 12/31/19

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DRAWING SYMBOLS

SECTION & DETAIL NUMBER

- ① — SECTION CUT NUMBER
— SHEET SECTION CUT ORIGINATED
— SHEET SECTION IS LOCATED ON

PLAN SECTION CUT

- ① — SECTION CUT NUMBER
— SHEET SECTION IS LOCATED ON

PLAN DETAIL

- ① — DETAIL NUMBER
— SHEET DETAIL IS LOCATED ON

INTERIOR ELEVATION

- ① — INDICATES DIRECTION OF VIEW
— SHEET ELEVATION IS LOCATED ON
— INDICATES VIEW NUMBER ON SHEET

ROOM NAME & NUMBER

- ENTRANCE
① — INDICATES ROOM NAME & NUMBER - SEE ROOM FINISH SCHEDULE

DOOR NUMBER

- ① — INDICATES DOOR STYLE - SEE DOOR & HARDWARE SCHEDULE

WINDOW NOTATION

- ① — INDICATES WINDOW STYLE - SEE WINDOW SCHEDULE

O.B.C. CHART

BUILDING DESIGNED PER: 2011 O.B.C.			
BUILDING AREA			
AREA DESCRIPTION	STORY	HGT.	SQ. FT.
NEW BUILDING	1	22'	4,400 SF.
TOTAL:			
USE GROUP 92			
CONSTRUCTION TYPE (SB)			
ALLOWABLE AREA	STORY	HGT.	SQ. FT.
AREA LIMITATION, TABLE 506.2	2	40'	13,500 SF.
PERIMETER INCREASE	N.A.		
SPRINKLER INCREASE	N.A.		
TOTAL ALLOWABLE AREA	2	40'	13,500 SF.
SOIL BEARING 2000 PSF (PRESUMPTIVE)			
DESIGN LOADS			
1.) FLOORS LIVE LOAD	= 250 PSF		
2.) ROOF LIVE LOAD	= 25 PSF		
3.) ROOF SNOW LOAD	= 25 PSF		
$C_e = 1.0$ $I = 1.0$ $C_t = 1.1$			
4.) WIND SPEED (3 SECOND GUST)	= 105 MPH		
$I = 1.0$ EXP. = C PRESSURE COEF. = -1.18			
5.) COMPONENTS & CLADDING	= 20 PSF		
6.) SEISMIC DATA			
A.) DESIGN CATEGORY = II (TABLE 1604.5)			
B.) $S_{DS} = .15$ $S_{D1} = .06$			
C.) SITE CLASS = D (TABLE 1613.5.2) $I = 1.0$			
D.) SEISMIC - FORCE - RESISTING SYSTEM = POLE CONSTRUCTION - SHEET STEEL PANELS $R = 6\frac{1}{2}$ $C_d = 4$ (TABLE 1617.6.2)			
E.) EQUIVALENT LATERAL FORCE PROCEDURE			

GENERAL NOTES

- IT IS THE RESPONSIBILITY OF ALL CONTRACTORS TO VISIT THE JOB SITE AND FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ANY DISCREPANCIES THAT DO NOT MEET THE INTENTIONS OF THESE DRAWINGS.
- THE CONTRACTOR WILL BE EXPECTED TO GUARANTEE WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OWNER OCCUPIES BUILDING OR CONTRACTOR NOTIFIES OWNER THAT THE BUILDING IS READY TO OCCUPY.
- OWNER SHALL FURNISH "BUILDER'S RISK" INSURANCE WITH EXTENDED COVERAGE ON THE BUILDING AFTER FOUNDATION WALLS ARE UP TO GRADE.
- CONTRACTOR TO CARRY "PUBLIC LIABILITY & PROPERTY INSURANCE" IN THE AMOUNTS OF \$1,000,000.00 FOR ANY ACCIDENT AND \$3,000,000.00 FOR TOTAL ACCIDENT COVERAGE.
- THE ARCHITECT WILL NOT BE RESPONSIBLE FOR AND WILL NOT HAVE CONTROL OF CONSTRUCTION OR SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK, AND HE WILL NOT BE RESPONSIBLE FOR ANY CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK, CONTRACTOR SHALL VERIFY ALL MEASUREMENTS OF THE WORK & SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF THE SAME. ANY DIFFERENCES FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION BEFORE PROCEEDING WITH THE WORK. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED ON ACCOUNT OF DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND THE MEASUREMENTS INDICATED ON THE DRAWINGS.
- THE ARCHITECT WILL NOT BE RESPONSIBLE FOR OR HAVE CONTROL OR CHARGE OVER THE ACTS OR OMISSIONS OF THE OWNER OR ANY TRADE CONTRACTOR, OR ANY OF THEIR AGENTS OR EMPLOYEES, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK.
- EACH TRADE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONTRACT DOCUMENTS AND SHALL AT ONCE REPORT TO ARCHITECT ANY ERROR, INCONSISTENCY, OR OMISSIONS HE MAY DISCOVER.
- IF ANY TRADE CONTRACTOR PERFORMS ANY WORK KNOWING IT TO BE CONTRARY TO APPLICABLE LAWS, STATUTES, BUILDING CODES AND REGULATIONS, AND WITHOUT SUCH NOTICE TO THE ARCHITECT, HE SHALL BEAR ALL COSTS ATTRIBUTABLE THERETO.
- ANY REVISIONS, MODIFICATIONS OR CHANGES TO THE DRAWINGS AND SPECIFICATIONS RECOMMENDED BY ANY CONTRACTOR THAT WOULD AFFECT A CHANGE TO THE CONTRACT AMOUNT SHALL BE APPROVED BY THE OWNER AND ARCHITECT. THE APPROVED REVISIONS SHALL BE BY THE ARCHITECT AND PAID BY THE CONTRACTOR.

DRAWING INDEX

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2 of 4	Enlarged Restroom Plan, Interior Restroom Elevations, Door & Hardware Schedule, Room Finish Schedule, Door Types, Rest Room Details
3 of 4	Exterior Elevations, Window Schedule
4 of 4	Wall Sections
91 of 2	Foundation Plan, Foundation Note, Details
92 of 2	Roof Framing Plan, Roofing Note
PI of 1	Sanitary Floor Plan, Sanitary Isometric, Fixture Schedule, Notes, Details
MI of 1	HVAC Floor Plan, HVAC Equipment Schedule, Notes
EI of 1	Electrical Floor Plan, Panel Schedule, Riser Diagram, Notes, Legend

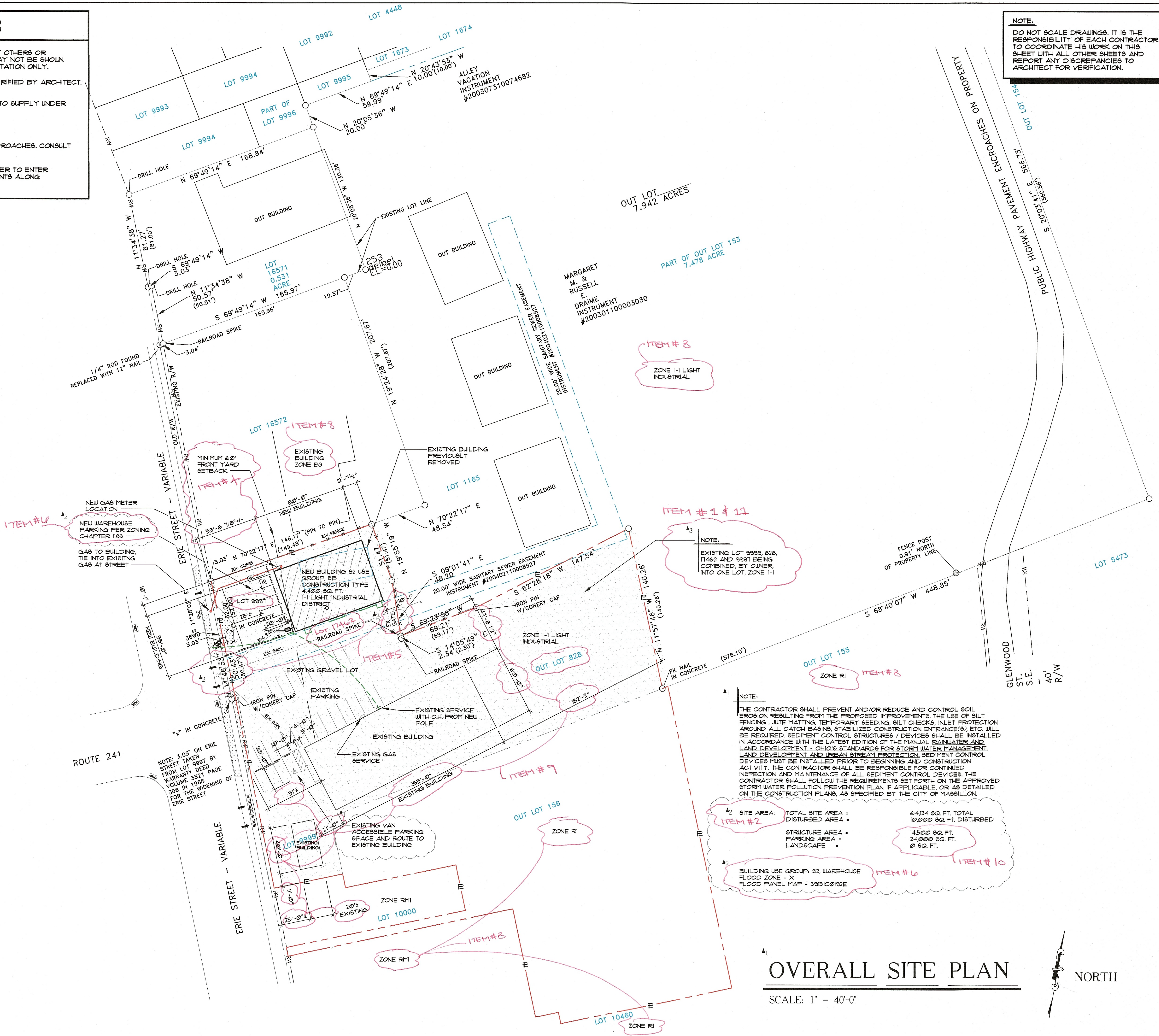
RE-SUBMITTAL #2
ENGINEERING DEPARTMENT COPY
RESPONSE TO COMMENTS FROM 6/22/18

REVISION LOG			JOB NO. 17-1845	
NO.	DATE	DESCRIPTION	Start Date	Revisions
A1	6-14-18	Revisions to site per City Engineer	10-24-17	A1 6-14-18
A2	6-29-18	Re-submittal to City Engineer comments 6-22-18	Plot Date: 7-2-18	
A3	7-2-18	Redefined combined lots		
APPROVED by the Massillon city Engineer this _____ Day of _____, 20____.			J.W., D.J.S.	
Jason M. Popiel, P.E.			T1 OF 1	
Only approved signed plans by the City Engineer are to be used for construction.				

GENERAL SITE NOTES

- ITEMS TO BE FURNISHED, SUPPLIED, VERIFIED, & COORDINATED BY OTHERS OR BY OWNER UNDER SEPARATE CONTRACT. THESE ITEMS MAY OR MAY NOT BE SHOWN ON THESE DRAWINGS & IF SHOWN ARE FOR CONCEPTUAL INTERPRETATION ONLY.
1. PROPERTY LINES ARE SUPPLIED BY OWNER & HAVE NOT BEEN VERIFIED BY ARCHITECT. GENERAL CONTRACTOR TO DO SO WITH OWNERS & SURVEYOR.
 2. SOIL BORINGS ARE NOT UNDER CONTRACT W/ ARCHITECT. OWNER TO SUPPLY UNDER CONTRACT WITH OTHERS TO VERIFY SITE CONDITION.
 3. PARKING LOT LAYOUT IS EXISTING.
 4. CURB CUTS ARE EXISTING. OWNER TO OBTAIN ALL PERMISSION & PERMITS FROM O.D.O.T. BEFORE CONSTRUCTING APPROACHES. CONSULT WITH CIVIL ENGINEER.
 5. TOPO ELEVATIONS HAVE NOT BEEN SUPPLIED TO ARCHITECT. OWNER TO ENTER INTO SEPARATE CONTRACT TO VERIFY ALL CUT & FILL REQUIREMENTS ALONG WITH PROPER ELEVATIONS IF REQUIRED.

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OVERALL SITE PLAN

SCALE: 1" = 40'-0"

NORTH

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JOB NO.
17-1845

Start Date: 10-24-17
Plot Date: 7-2-18
Revisions:
1 6-14-18
2 6-29-18
3 7-2-18

J.W., D.J.S.

SD1 OF 3

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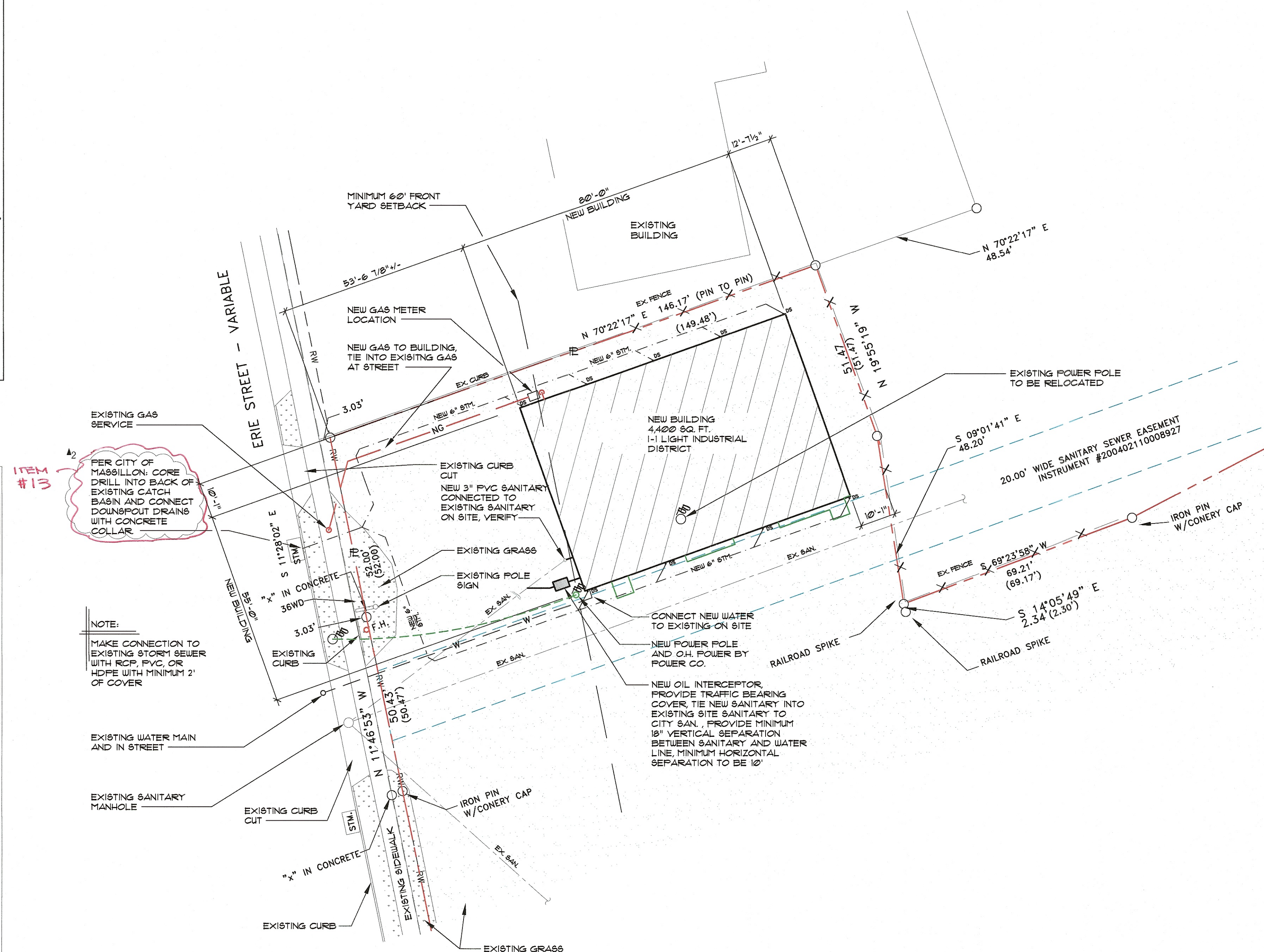
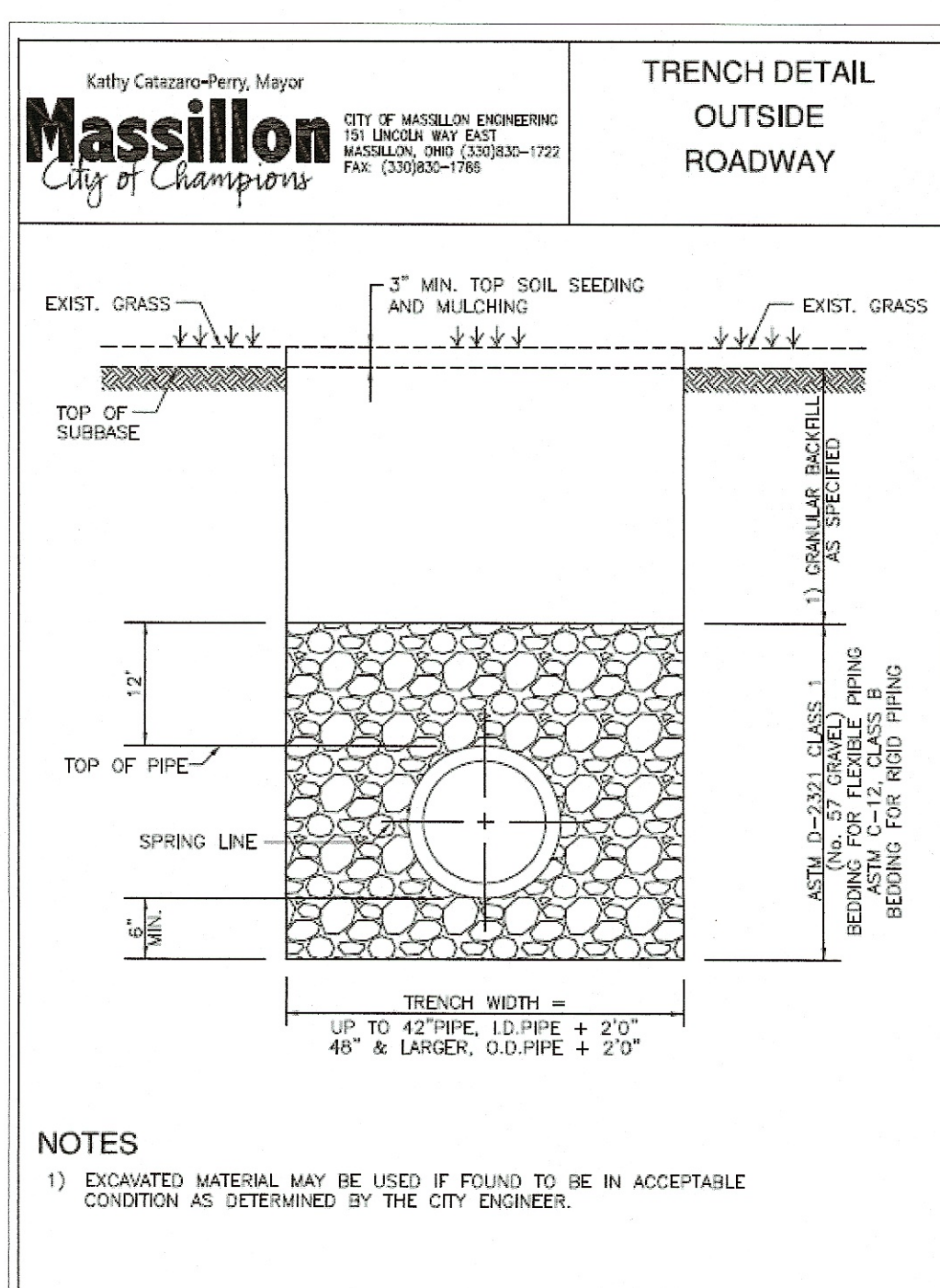
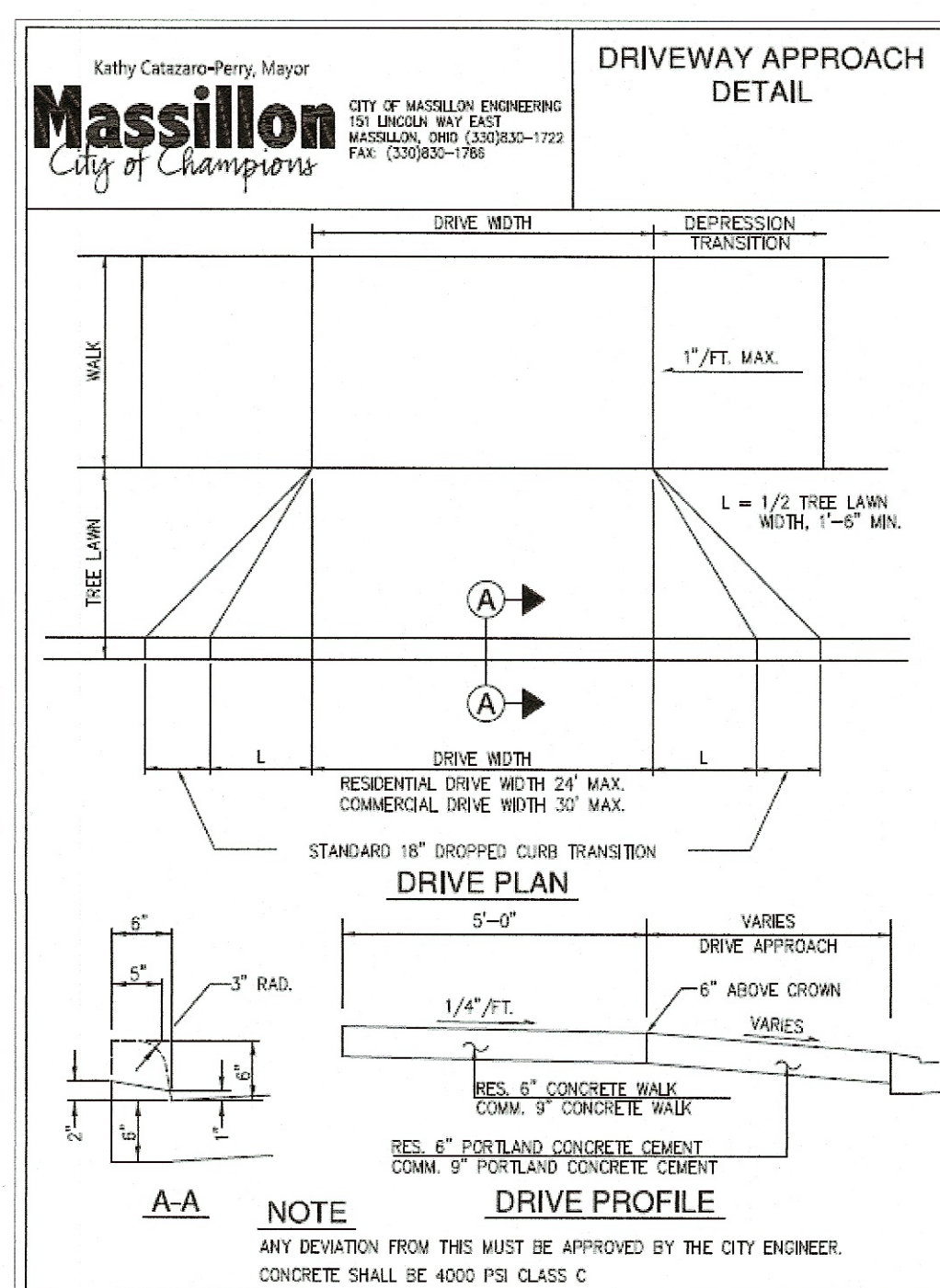
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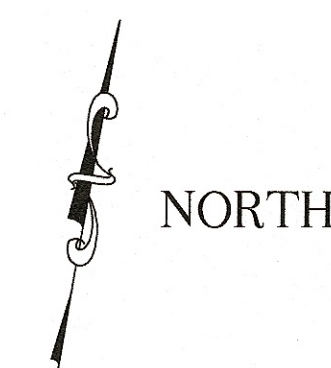
Start Date: 10-24-17	Revisions: ▲1 6-14-18 ▲2 6-29-18
Plot Date: 6-29-18	

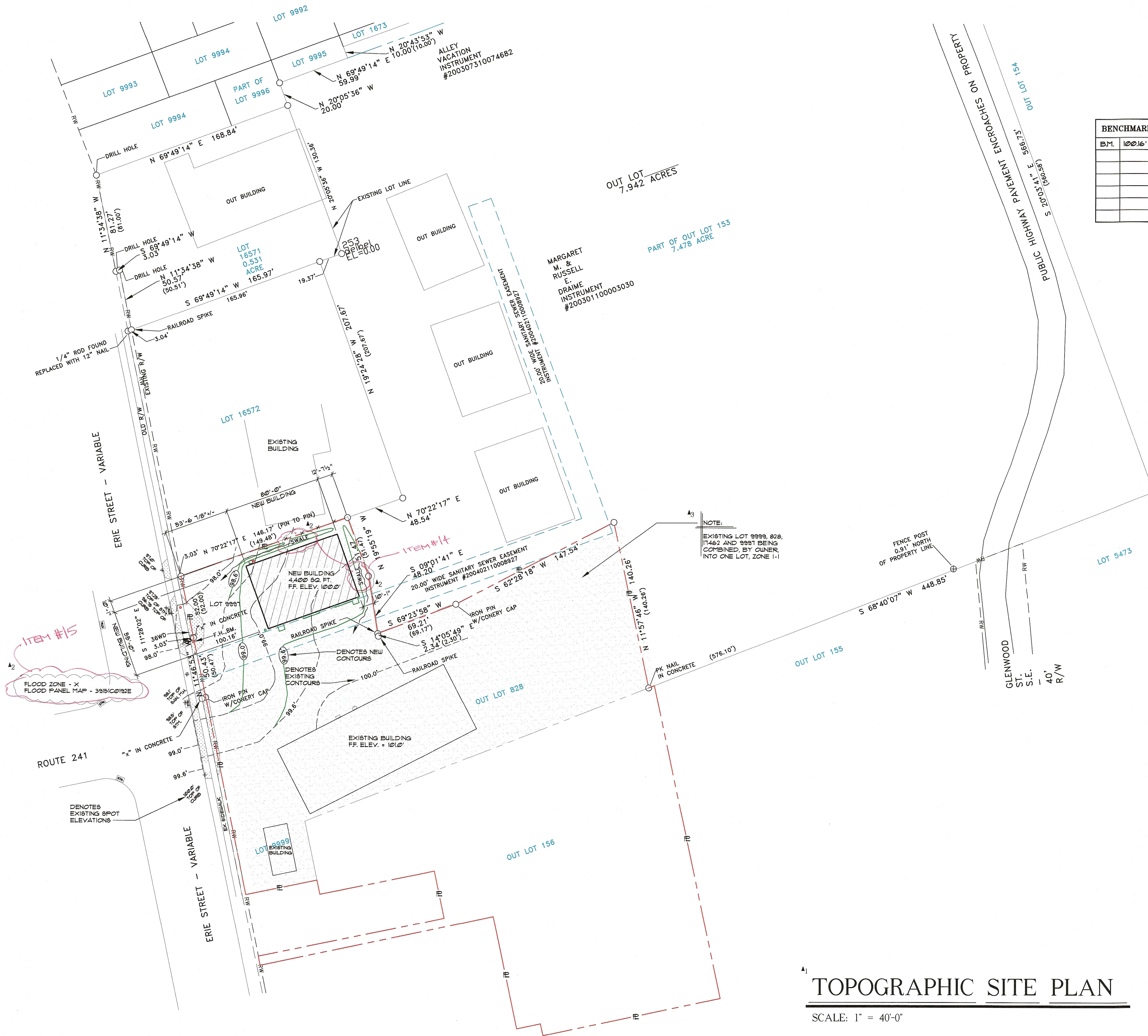
SD2 OF 3



SCALE: N.T.S. NOT ALL WILL APPLY TO THIS PROJECT, USE ONLY AS NEEDED!

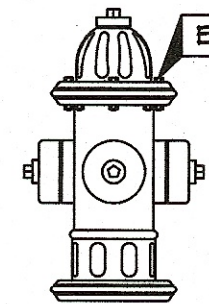
SCALE: 1" = 20'-0"





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BENCHMARKS:	
B.M.	102.16'



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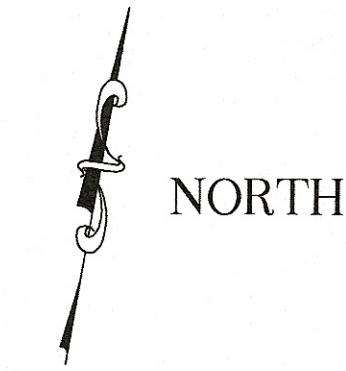
Start Date:	Revisions:
10-24-17	1 6-14-18
Plot Date:	2 6-29-18
7-2-18	3 7-2-18

J.W., D.J.S.

SD3 OF 3

TOPOGRAPHIC SITE PLAN

SCALE: 1" = 40'-0"



[illegible]

1.) ALL FINISH MATERIALS SHALL HAVE A MINIMUM CLASSIFICATION OF "CLASS C" (FLAME SPREAD 76-200 - SMOKE DEVELOPED 0-450) IN ACCORDANCE WITH ASTM E84, AND AS REQUIRED PER O.B.C. TABLE 803.5.

4" COVE = 4" VINYL COVE BASE

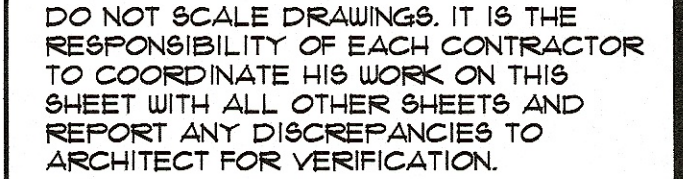
[illegible]

- 1) ALL GLASS IN & ADJACENT (WITHIN 24") TO DOORS TO BE SAFETY RATED GLASS
- 2) ALL DOOR HARDWARE & THRESHOLDS TO BE ACCESSIBLE PER ICC A117.1.0209, PROVIDE LEVER TYPE HANDLES.
- 3) HANDLES, PULLS, LATCHES, LOOKS, AND OTHER DEVICES ON DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP W/ ONE HAND AND DOES NOT REQUIRE TIGHT GRIPPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.
- 4) ALL EGRESS DOORS MUST BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE

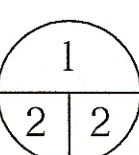
H. MTL. = HOLLOW METAL



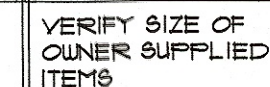
SCALE: 1/4" = 1'-0"



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

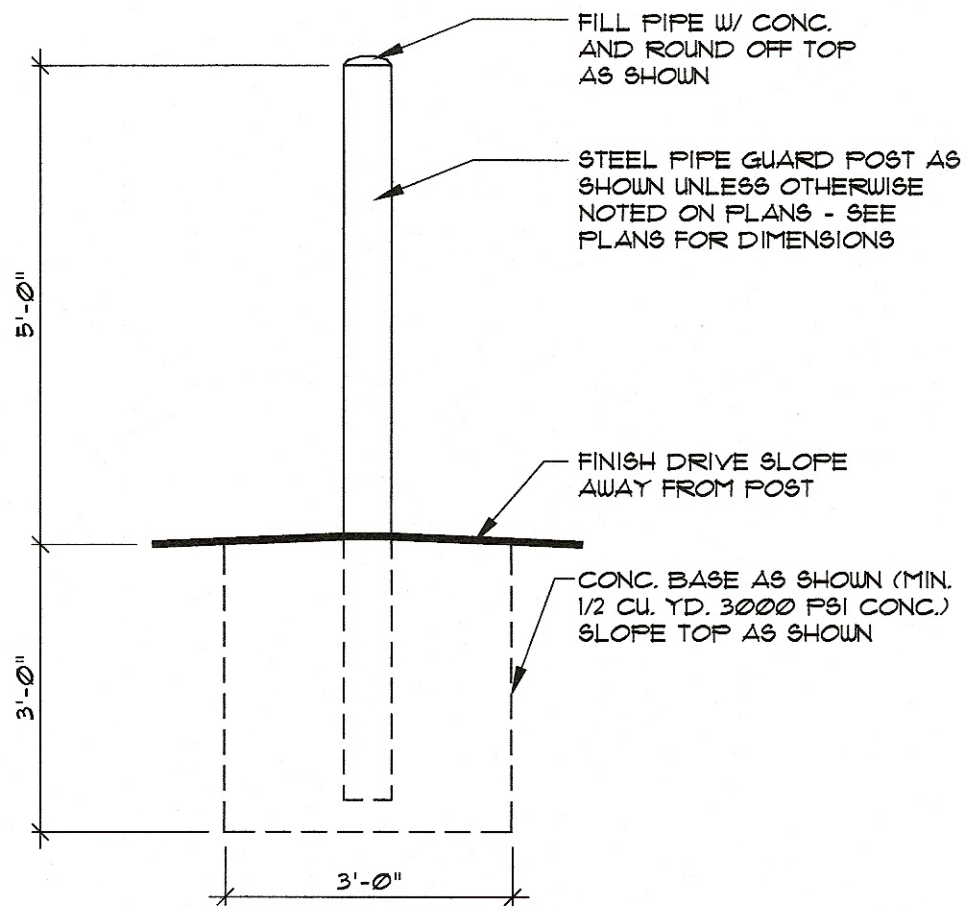


SCALE: 3/4" = 1'-0"



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

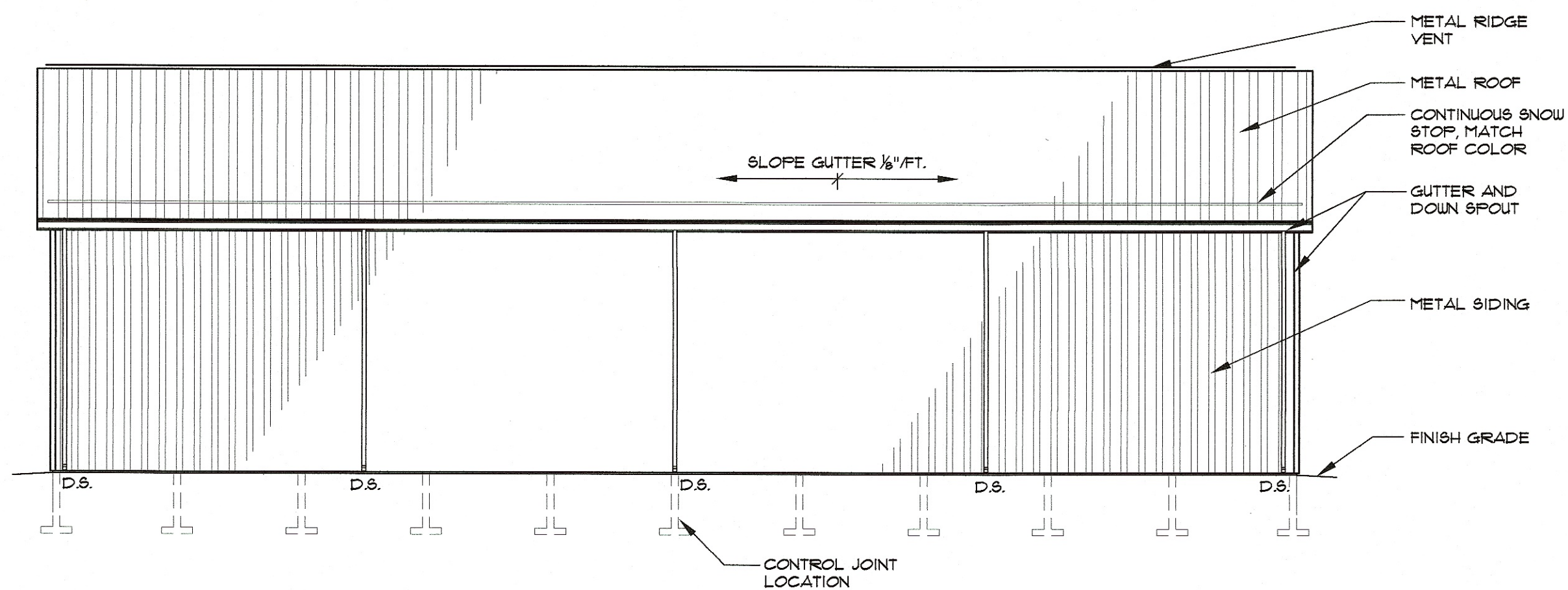
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DETAIL

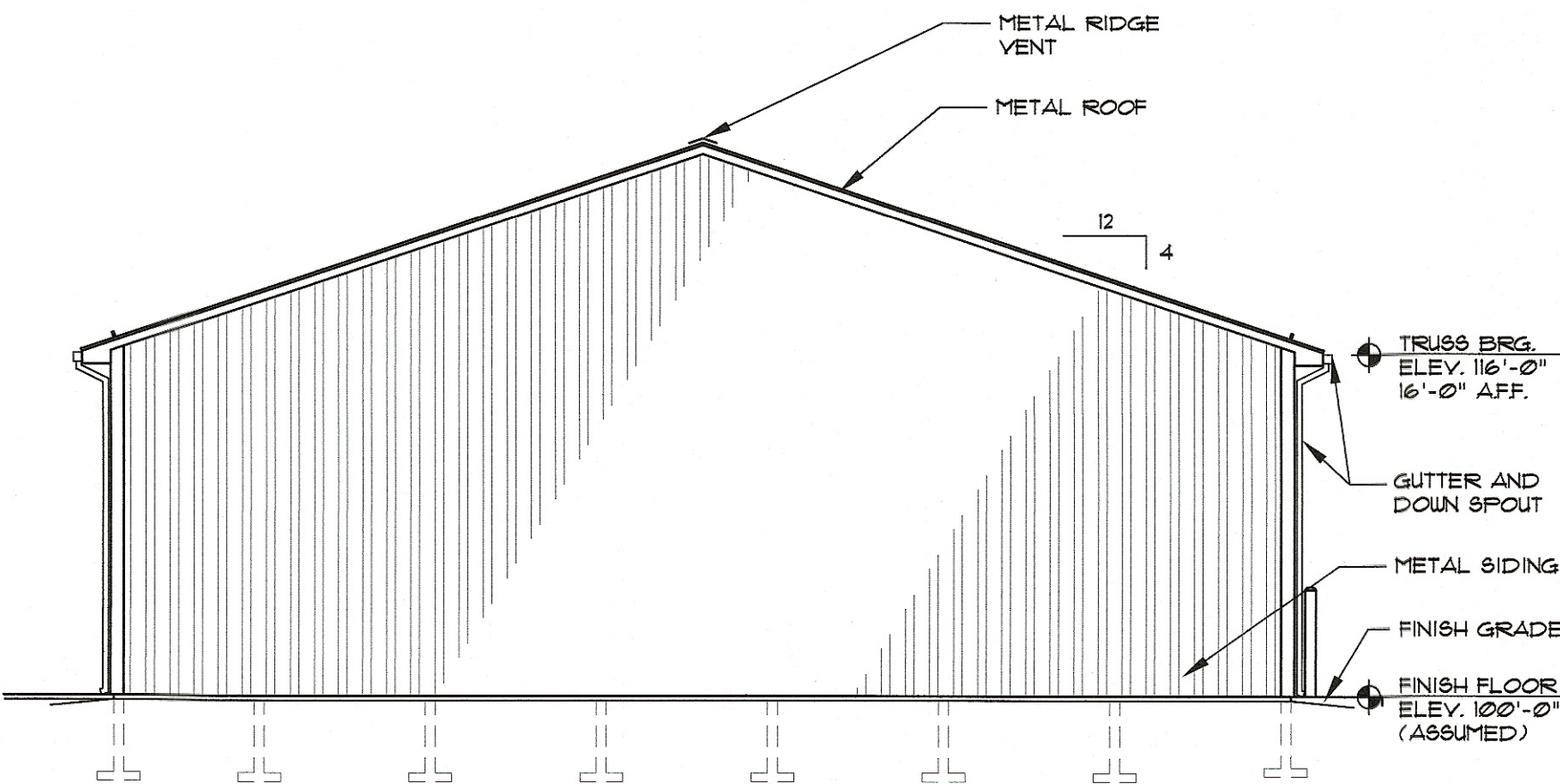
SCALE: 1/2" = 1'-0"

A
3 3



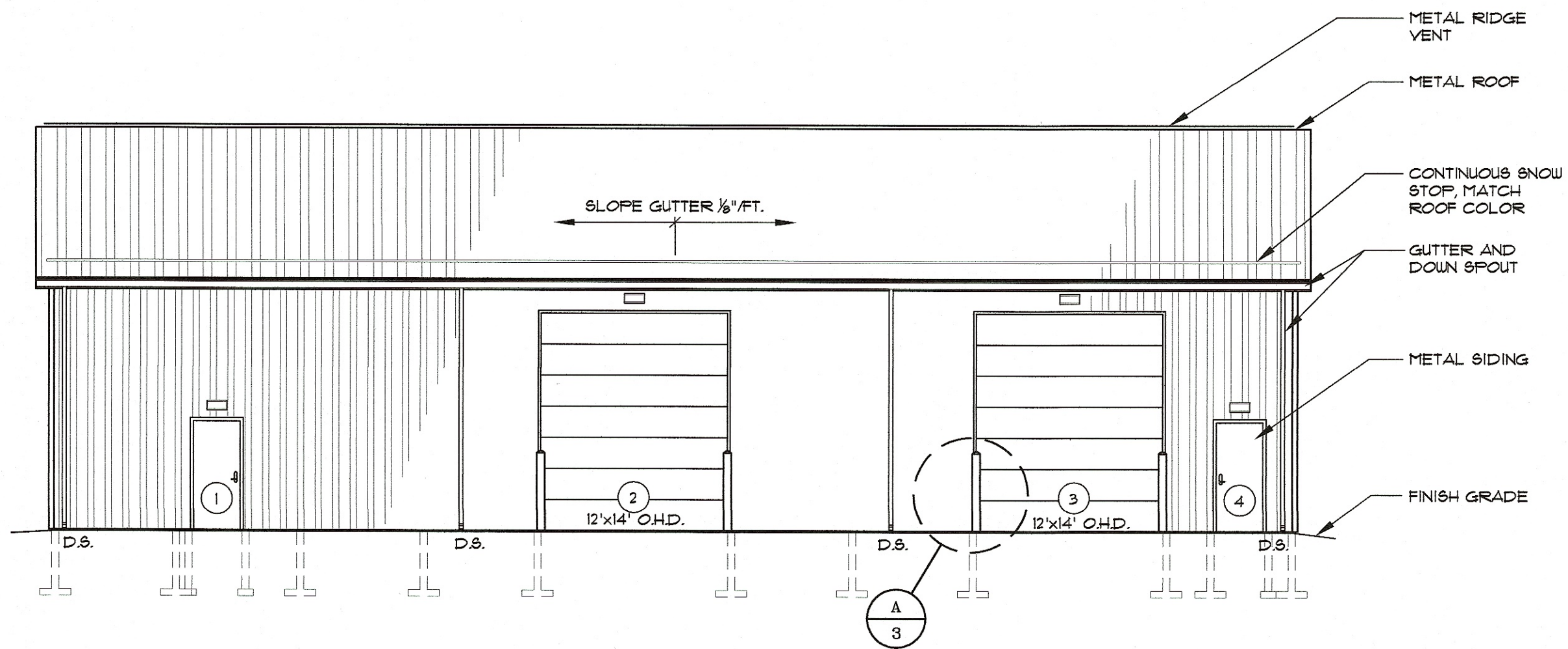
NORTH ELEVATION

SCALE: 1/8" = 1'-0"



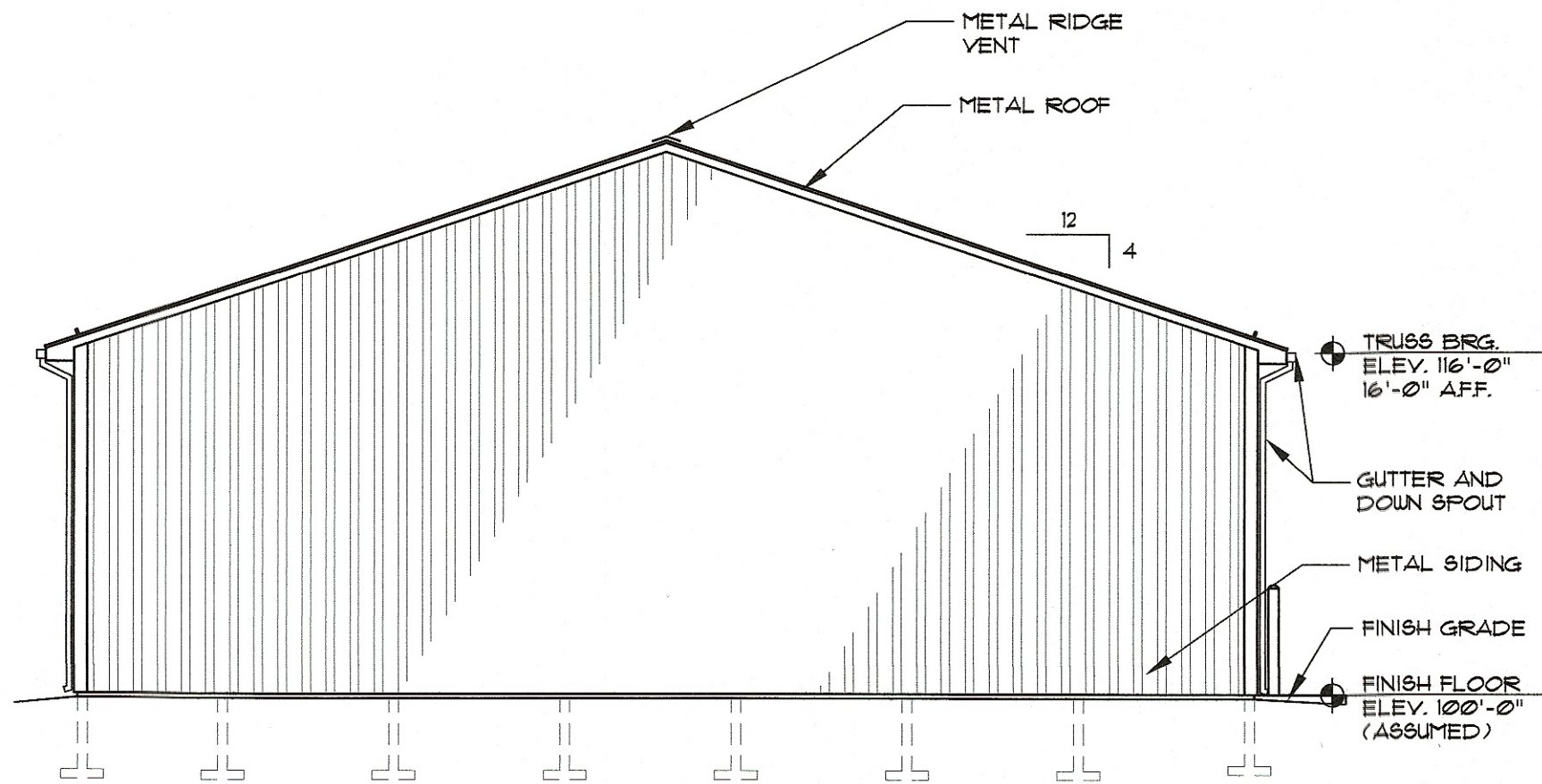
WEST ELEVATION

SCALE: 1/8" = 1'-0"



SOUTH ELEVATION

SCALE: 1/8" = 1'-0"



EAST ELEVATION

SCALE: 1/8" = 1'-0"

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STATE OF OHIO
BRUCE
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REGISTERED ARCHITECT
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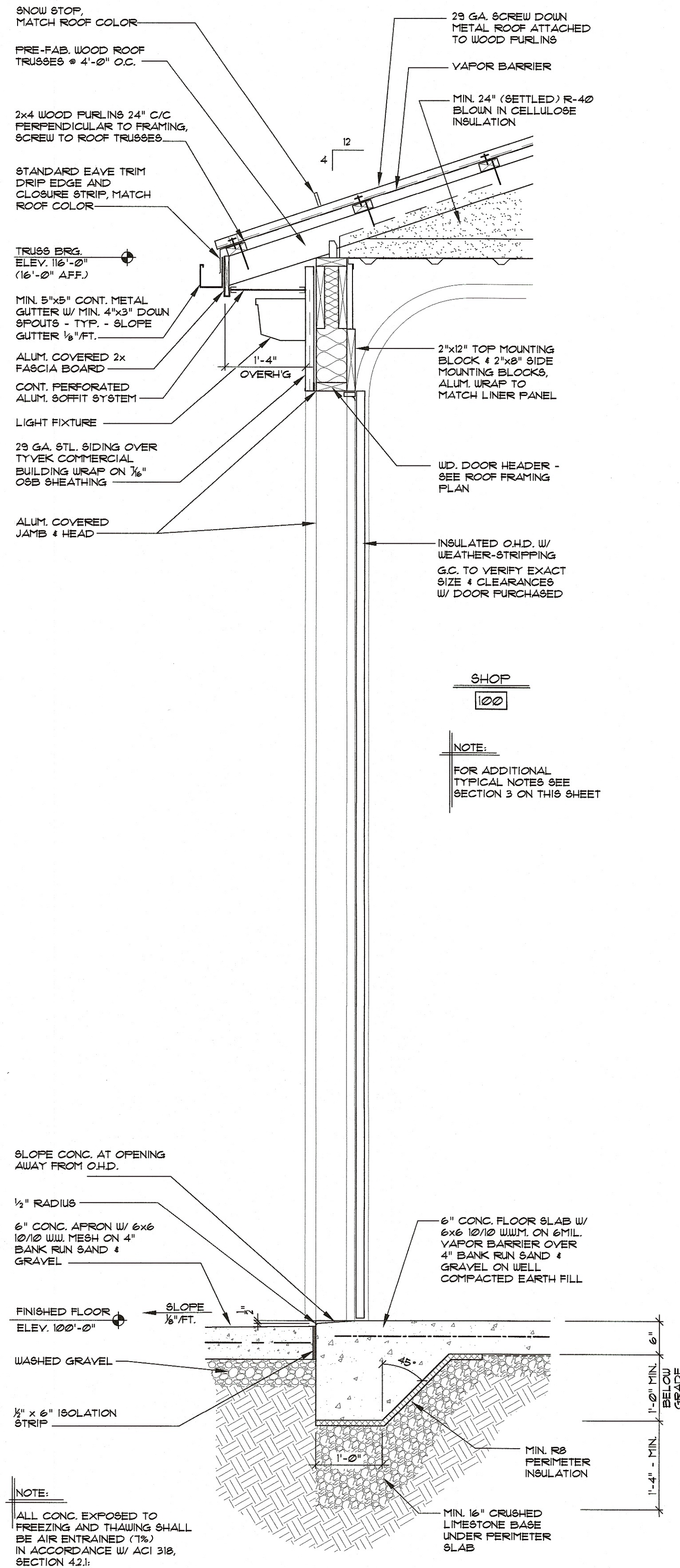
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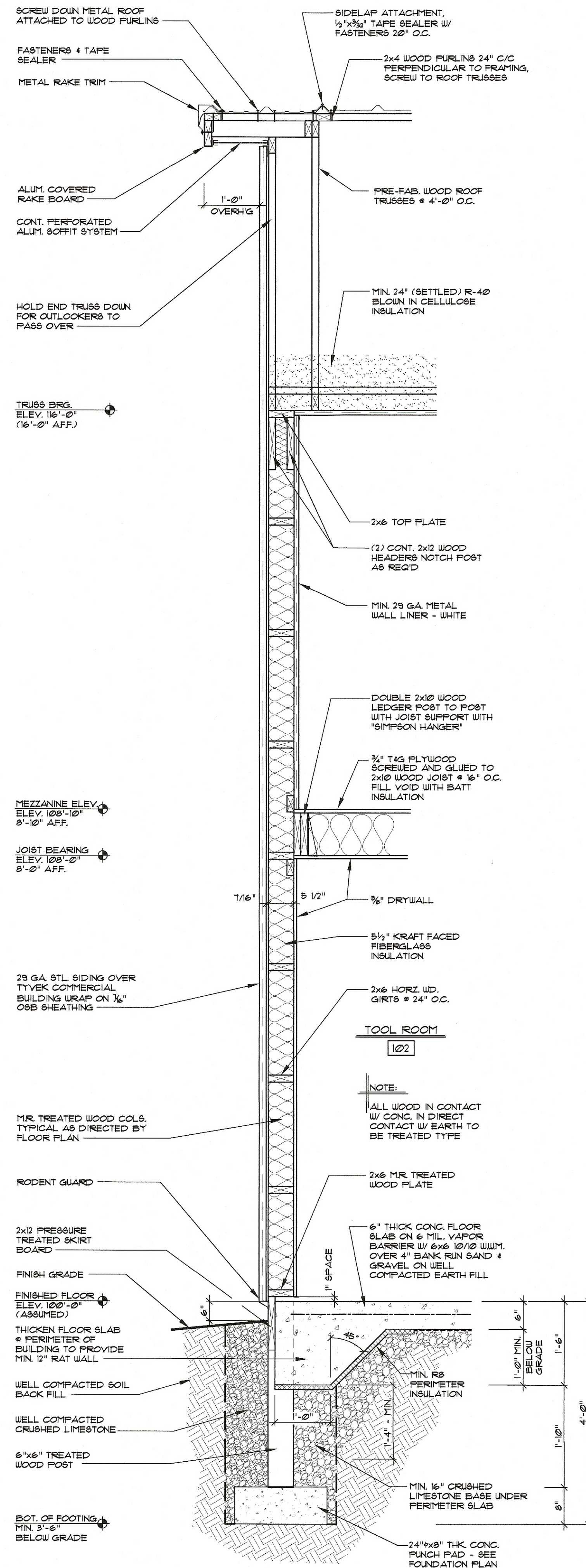
Revisions
J.W.

3 OF 4



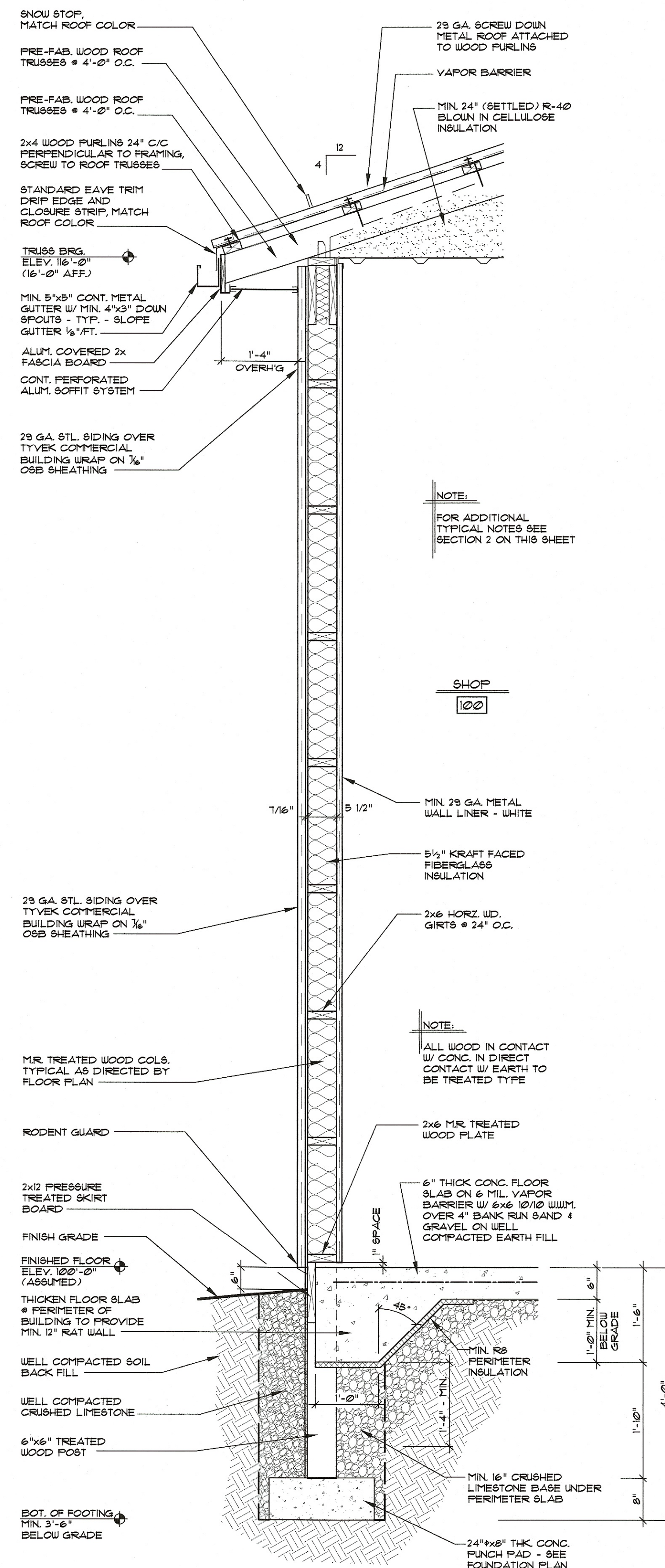
SECTION 1

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



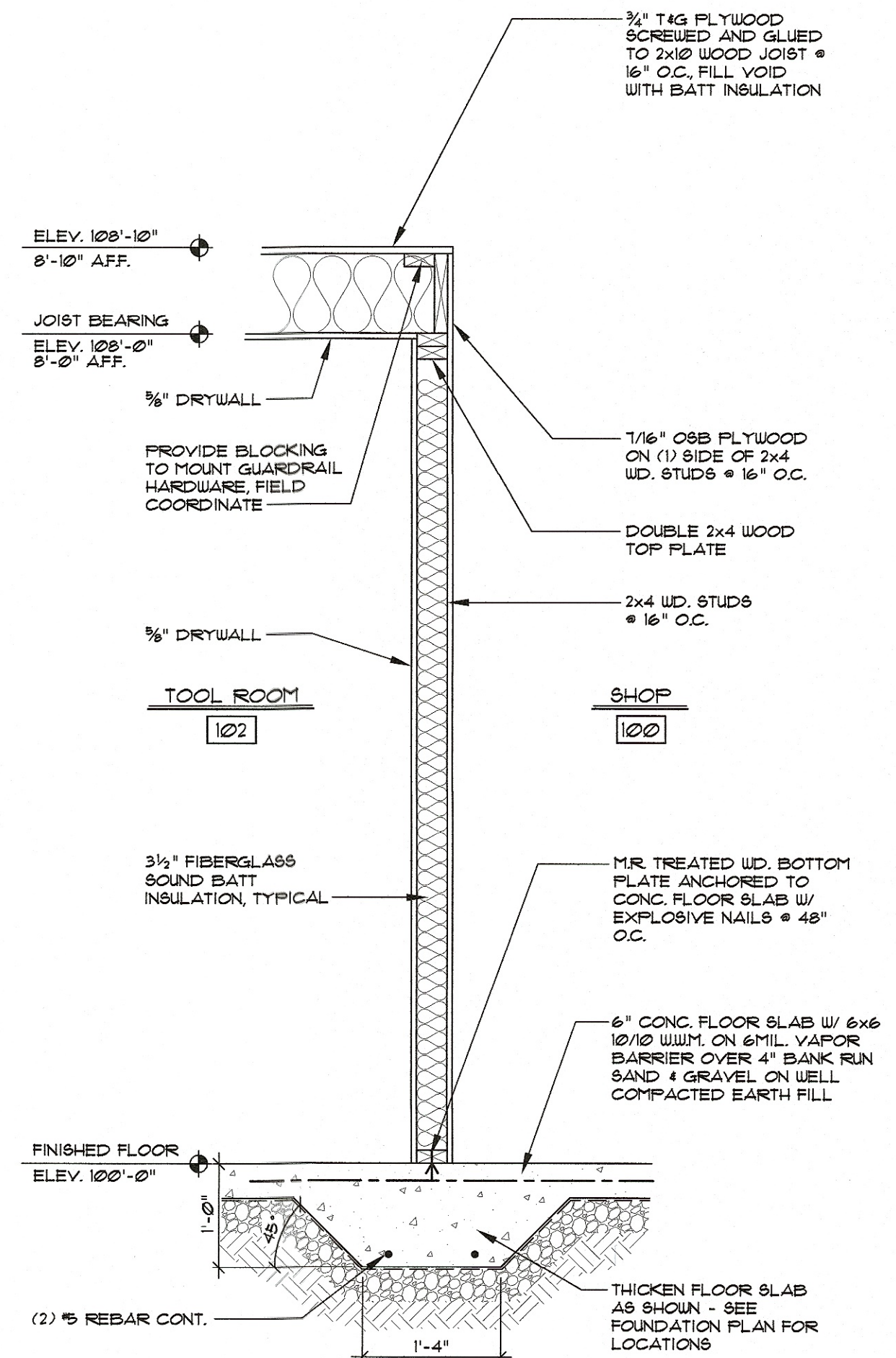
SECTION 2

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



SECTION 3

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



SECTION 4

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

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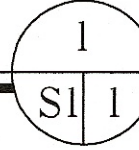
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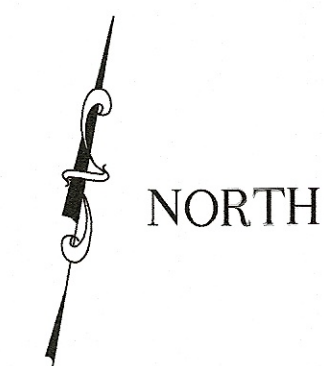
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S1 OF 2



FASTENING SCHEDULE

Building element	Nail or staple size and type	Number and location
1. Floor construction		
Built-up girders and beams	20d common	32" o.c. direct
Bridging to joists	8d common	2 each direct end
Floor joists to studs (No ceiling joists)	10d common	2 each direct
Floor joists to studs (With ceiling joists)	10d common	2 each direct
Floor joists to sill or girder	10d common	2 toe nail
Lumber strip	8d common	3 each direct joist
1" sub flooring (6" or less)	8d common	2 each direct joist
1" sub flooring (8" or more)	8d common	2 each direct joist
2" sub flooring	16d common	2 each direct joist
Particleboard underlayment		
(1/4" - 3/4")	6d annular threaded	6" o.c. direct edges and 12" o.c. intermediate
Particleboard sub flooring		
(5/8" or greater)	8d common	6" o.c. direct edges and 12" o.c. intermediate
Wood structural panel sub flooring		
(1/2" or less)	6d common on 6d annular or spiral thread	6" o.c. direct edges and 12" o.c. intermediate
(19/32" - 3/4")	8d common on 6d annular or spiral thread	6" o.c. direct edges and 12" o.c. intermediate
(7/8" - 1 1/8")	10d common on 8d ring shank or 6d annular or spiral thread	6" o.c. direct edges and 12" o.c. intermediate
(1/2" or less)	16 gage galvanized wire staples	4" o.c. edges and 7" o.c. intermediate
(19/32" - 5/8")	3/8" minimum crown, 1 3/8" length	2 1/2" o.c. edges and 4" o.c. intermediate
2. Wall construction		
Stud to sole plate	16d common	4 toe nail or
Stud to cap plate	16d common	2 toe nail or 2 direct nail
Double studs	10d common	12" o.c. direct
Corner studs	16d common	24" o.c. direct
Sole plate to joist or blocking	16d common	16" o.c.
Interior-braced wall sole plate to parallel joist	16d common	16" o.c. direct nail
Double cap plate	10d common	2 direct nail
Cap plate laps	10d common	2 each direct bearing
Ribbon strip, 6" or less	10d common	3 each direct bearing
Ribbon strip, 6" or more	10d common	2 each direct bearing
Diagonal brace to stud and plate	10d common	12" o.c.
Interior-braced wall top plate to joist or blocking	10d common	1 each end 8 sq. ft. floor area
Tall beams to headers (where nailing is permitted)	20d common	4 toe nail
Header, beam to trimmers (where nailing is permitted)	8d common	16" o.c. direct
Continuous header to stud	16d common	
Continuous header, two pieces	16d common	
3. Roof and ceiling construction		
Ceiling joists to plate	16d common	3 toe nail
Ceiling joists (laps over partition)	10d common	3 direct nail
Ceiling joists (parallel to rafter)	10d common	3 direct
Collar beam	10d common	3 toe nail
Roof rafter to plate	16d common	2 toe nail or direct nail
Roof rafter to ridge	16d common	3 toe nail or
Jack rafter to hip	16d common	2 each direct rafter
1" roof decking (6" or less in width)	8d common	2 each direct stud
1" roof decking (over 6" in width)	8d common	3 each direct stud
4. Wall and roof sheathing		
1" wall sheathing (6" or less in width)	8d common	3" o.c. exterior edge, 6" o.c. intermediate
1" all sheathing (over 6" in width)	See Table 2306.4.5	3" o.c. exterior edge, 6" o.c. intermediate
Diagonal wall sheathing (seismic bracing)	1 1/2" galvanized roofing nail or 6d common nail or 16 gage staple, 1 1/8" long with minimum crown of 7/16"	4" o.c. on edge, 8" o.c. intermediate
1/2" fiberboard sheathing	1 3/4" galvanized roofing nail or 8d common nail or 16 gage staple, 1 1/8" long with minimum crown of 7/16"	4" o.c. all bearing points
25/32" fiberboard sheathing	1 3/4" galvanized roofing nail or 8d common nail or 16 gage staple, 1 1/8" long with minimum crown of 7/16"	
Gypsum sheathing	12 gage 1 3/4" large head, corrosion resistant	
Gypsum sheathing (seismic bracing)	11 gage 1 3/4" long 7/16 inch head, diamond point, galvanized	
Particleboard roof and wall sheathing		
(1/2" or less)	6d common	6" o.c. direct edges and 12" o.c. intermediate
(3/8" or greater)	8d common	6" o.c. direct edges and 12" o.c. intermediate
Wood structural panel and wall sheathing		
(1/2" or less)	6d common	6" o.c. direct edges and 12" o.c. intermediate
(19/32" or greater)	8d common	6" o.c. direct edges and 12" o.c. intermediate
(1/2" or less)	16 gage galvanized wire staples, 3/8" minimum crown length of 1" plus panel thickness	4" o.c. edges and 8" o.c. intermediate
(19/32" - 5/8")	Same as immediately above	2 1/2" o.c. edges and 5" o.c. intermediate
Shingles, wood	No. 14 38S Gage corrosion resistant	2 each bearing
Weather boarding	8d corrosion resistant	

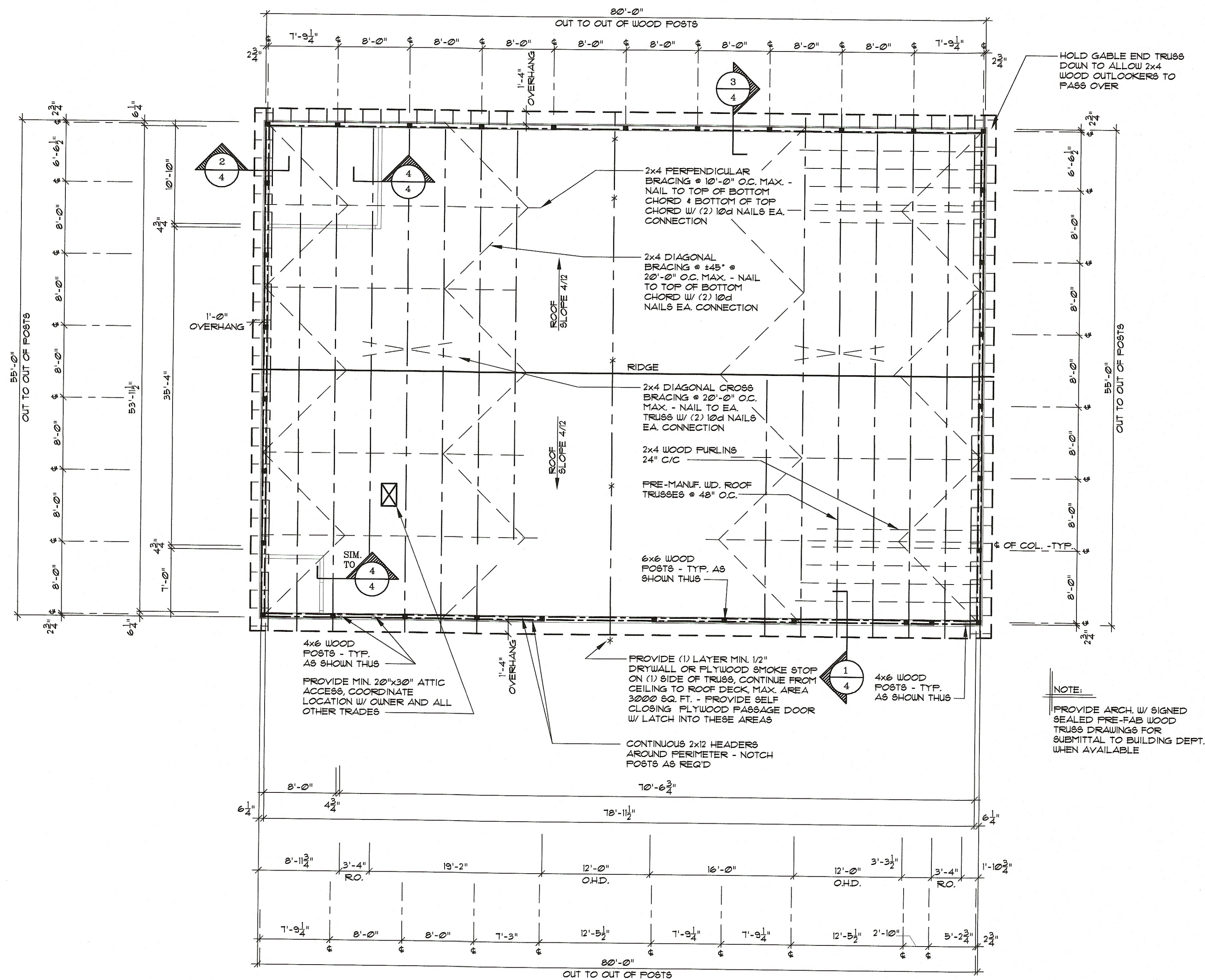
*Note. Single nails shall penetrate not less than 3/4 inch into nailing strips, sheathing or supporting construction except as otherwise provided in Section 1507A.

ROOFING NOTES

1. ACTUAL TRUSS DESIGN BY TRUSS SUPPLIER'S ENGINEER.
2. CONTRACTOR TO PROVIDE ALL NECESSARY AND REQUIRED BRACING AND BLOCKING AS SHOWN OR NOTED ON THESE DRAWINGS AND ALSO ON TRUSS DRAWINGS.
3. IT IS THE RESPONSIBILITY OF THE TRUSS ERECTOR TO TAKE NECESSARY PRECAUTIONS FOR WIND LOADS-BUCKLING AND STABILIZATION DURING ERECTION OF TRUSSES AND PROVIDE NECESSARY TEMPORARY BRACING TO PREVENT SUCH POSSIBLE DAMAGE.
4. SCREW DOWN METAL ROOF ON 2x4 FURLINS PERP. TO TRUSS
5. ROOF TRUSS DESIGN:
 - TOP CHORD - 25 PBF LL.
 - BOT CHORD - 10 PBF D.L.
 - TOP CHORD - 10 PBF D.L.
 - 45 PBF TOTAL LOAD
6. TRUSS SUPPLIER MUST SUBMIT 6 COPIES OF TRUSS DESIGN TO ARCHITECT FOR REVIEW COMPLETE W/ ENGINEERS SEAL & COMPUTER PRINTOUTS BEFORE FABRICATION.

NOTE:

DO NOT SCALE DRAWINGS. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO COORDINATE HIS WORK ON THIS SHEET WITH ALL OTHER SHEETS AND REPORT ANY DISCREPANCIES TO ARCHITECT FOR VERIFICATION.



NOTE:

PROVIDE ARCH. W/ SIGNED SEALED PRE-FAB WOOD TRUSS DRAWINGS FOR SUBMITTAL TO BUILDING DEPT. WHEN AVAILABLE

ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

NORTH

New Building For:

Advanced Industrial Roofing, Inc.

1330 South Erie St., Massillon, OH 44646

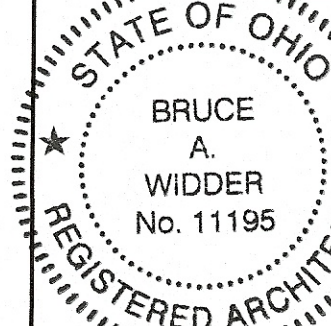
JOB NO.
17-1845

Start Date
10-24-17

Plot Date
05-30-18

J.W., D.J.S.

S2 OF 2



Bruce A. Widder, Lic. #11195
Expiration Date: 12/31/19

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PLUMBING NOTES

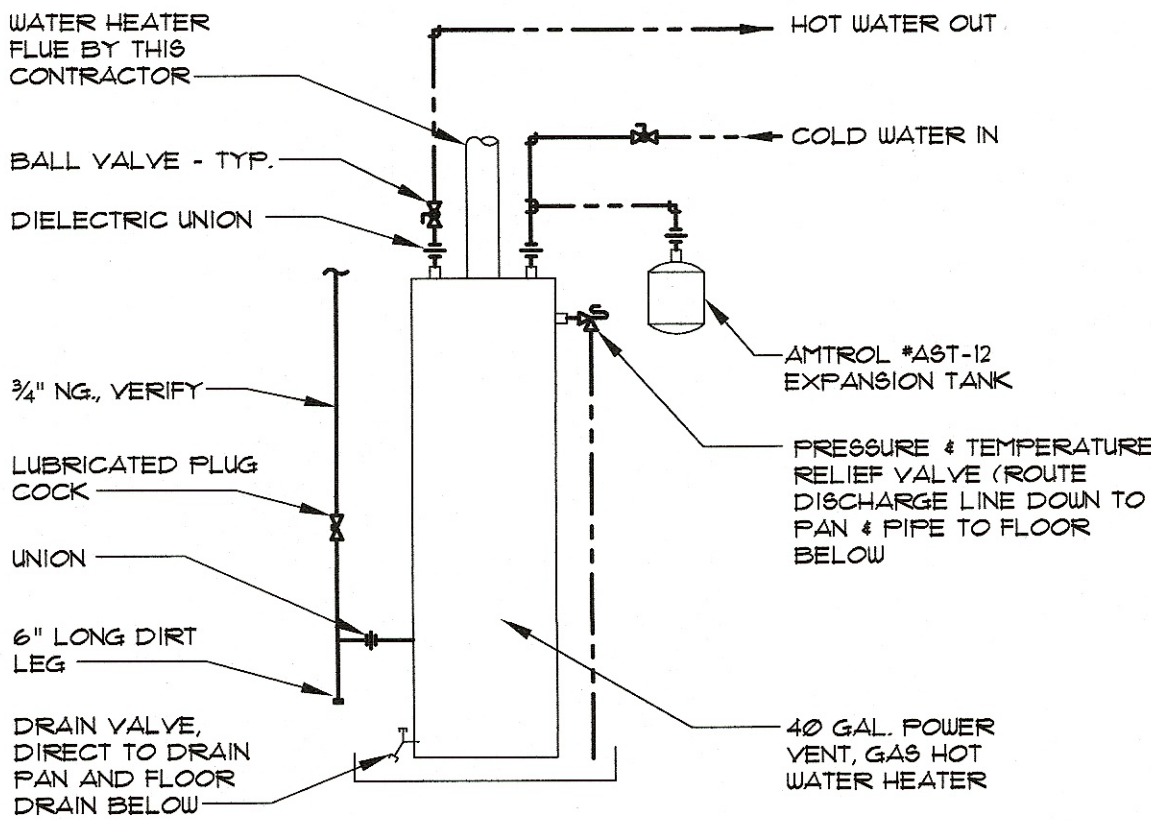
- 1. PLUMBING CONTRACTOR'S SCOPE OF WORK TO INCLUDE BUT NOT LIMITED TO PROVIDING BACK FLOW FOR ICE MACHINE AND OR COFFEE/TEA MAKERS IF APPLICABLE. PROVIDE AIR GAPS FOR KITCHEN SINKS AS REQUIRED BY LOCAL HEALTH DEPARTMENT AND THE OHIO PLUMBING CODE.
- 2. ALL WORK SHALL BE DONE IN ACCORDANCE W/ THE OHIO PLUMBING CODE AS WELL AS ANY APPLICABLE LOCAL REQUIREMENTS.
- 3. ALL MATERIAL SHALL BE NEW AND OF THE FINEST QUALITY.
- 4. ALL WORK SHALL BE INSTALLED BY TRADESMEN THAT ARE TRAINED AND HIGHLY SKILLED IN THE WORK THAT THEY ARE TO PERFORM.
- 5. ALL EQUIPMENT, MATERIALS AND LABOR FURNISHED BY THIS CONTRACTOR SHALL BE WARRANTED BY HIM FOR A PERIOD OF ONE YR. FROM THE DATE OF FINAL ACCEPTANCE, AND SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND IN COMPLIANCE WITH LOCAL AND STATE CODES.
- 6. ALL GAS PIPING, IF APPLICABLE, SHALL BE SCH. 40 A-53-B BLACK STEEL PIPE W/ 150# BLACK MALLEABLE IRON SCREWED FITTINGS INSTALLED BY PLUMBING CONTRACTOR.
- 7. INSTALL GAS PIPING IN ACCORDANCE W/ OHIO BASIC MECHANICAL CODE REQUIREMENTS. GAS PIPING SHALL BE TESTED IN ACCORDANCE W/ LOCAL GAS CO. REQUIREMENTS AND OHIO BASIC MECHANICAL REQUIREMENTS. ALL GAS FIRED EQUIPMENT IS TO BE INSTALLED W/ A MANUAL GAS VALVE.
- 8. ALL PUBLIC LAVATORIES SHALL HAVE A MIXING VALVE ON THE HOT WATER SUPPLY SET AT A TEMP. NO HIGHER THAN 110°F.
- 9. ALL SOLDER TO BE SILVERFLO LEAD FREE SOLDER (OR EQUAL) EXCEPT FOR UNDERGROUND PIPING. FOR UNDERGROUND, JOINTS SHALL BE BRAZED WITH SILVER SOLDER WITH A MELTING POINT ABOVE 1000°F.
- 10. FOR UNDERGROUND WATER LINES, USE K COPPER WHERE THERE ARE JOINTS UNDERGROUND, USE SILVER SOLDER.
- 11. ALL DRAIN, WASTE AND VENT IS TO BE PLASTIC TYPE ABS OR PVC.
- 12. ALL PLUMBING FIXTURES ARE TO BE INSTALLED WITH SUPPLY VALVES.
- 13. EACH GAS APPLIANCE IS TO BE INSTALLED WITH A MANUAL SHUT OFF.
- 14. ANY PENETRATIONS MADE IN A FIRE RATED WALL, CEILING OR FLOOR SHALL MAINTAIN THE REQUIRED INTEGRITY AND THE FIRE RESISTANCE RATING AS PER OBC. WHEN REQUIRED, A FIRESTOPPING SEALANT SUCH AS METACALK OR EQ. SHALL BE USED.
- 15. PLUMBING CONTRACTOR IS RESPONSIBLE FOR CAPABILITY AND COORDINATING OF OWNER SUPPLIED FIXTURES AND P.C. SUPPLIED ACCESSORIES TO BE INSTALLED WITH THOSE FIXTURES.

CODED NOTES

- ① 1/2" DCW DOWN TO WATER CLOSET(S).
- ② 1/2" DCW AND 1/2" DHW(110) DOWN TO LAVATORY.
- ③ 1/2" DCW AND 1/2" DHW(110) DOWN TO SINK.
- ④ NG WITH SHUTOFF VALVE, DIRT LEG AND UNION TO UNIT HEATERS AND HOT WATER HEATER
- ⑤ CONNECT NEW SANITARY TO EXISTING OUTSIDE BUILDING, TO CITY SEWER.
- ⑥ 1/2" DCW AND 1/2" DHW(140) DOWN TO MOP BASIN.
- ⑦ 1/2" DCW DOWN WITH BALL VALVE TO TRAP PRIMER AND ROUTE 1/2" DCW TO FLOOR DRAIN, TYPICAL
- ⑧ NATURAL GAS SERVICE. PROVIDE RISER KIT, REGULATOR AND METER. INSTALL PER GAS CO. REQUIREMENTS.
- ⑨ 3" VENT LINES UP ALONG WALL. ON WARM SIDE OF BUILDING INSULATION. EXTEND 3" OILY WASTE AND OIL INTERCEPTOR VENT LINES UP THROUGH ROOF W/ WEATHER PROOF FLASHING.
- ⑩ ROUTE WATER TO REFRIGERATOR FOR ICE, COORDINATE WITH OWNER AND REF. SPECIFICATIONS.
- ⑪ 1/2" DCW AND 1/2" DHW(110) WITH SHUT-OFF VALVES DOWN TO HOT AND COLD WATER HOSE BIB (HB-1). MOUNT HOSE BIB ON WALL IN LOCATION AS DIRECTED BY OWNER. INCLUDE ALL ADAPTERS AND HARDWARE AS REQUIRED.

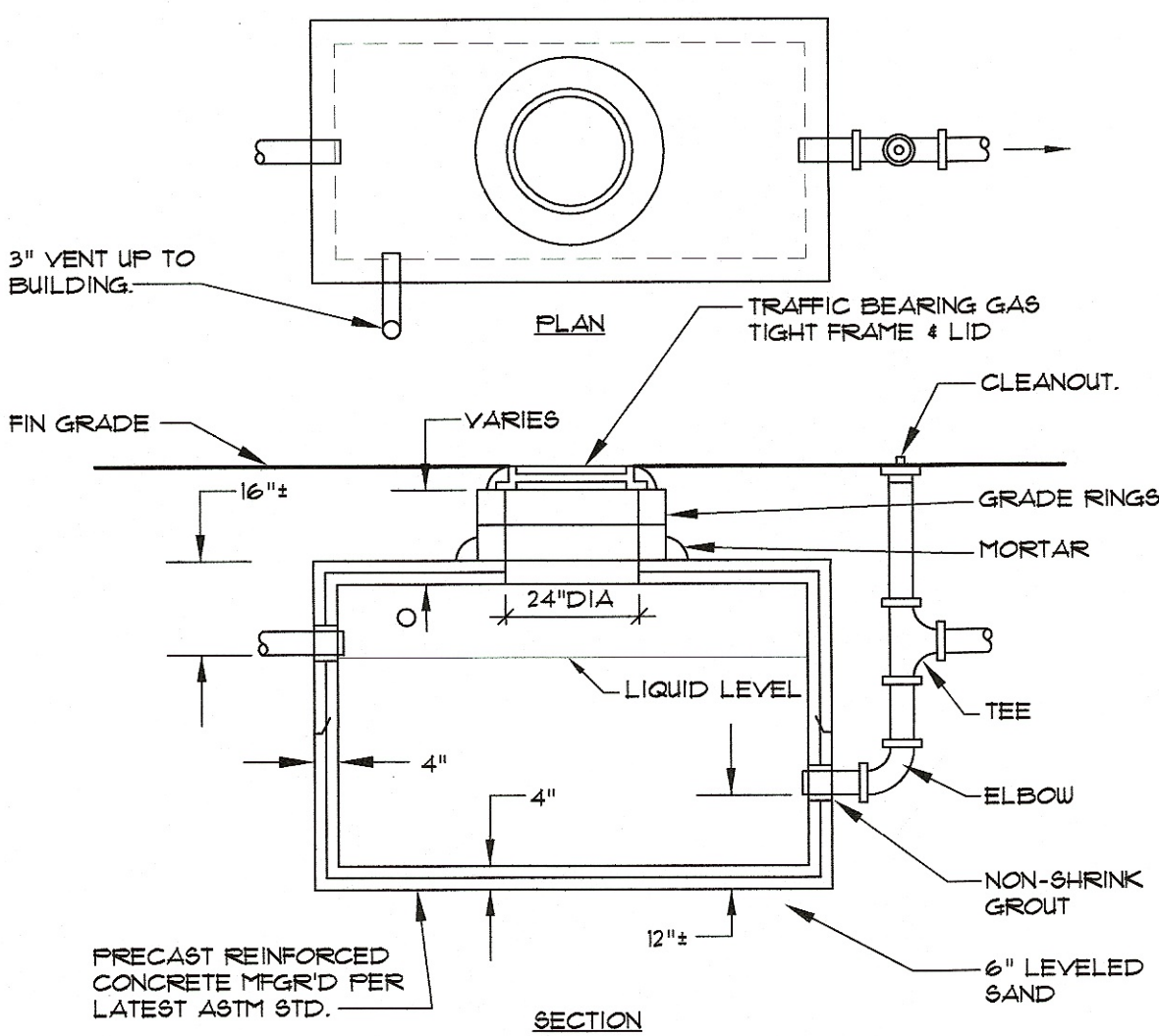
PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

- WC-1 EQUAL TO: AMERICAN STANDARD #21AA024 "CHAMPION PRO" WHITE VITREOUS CHINA, ADA FLOOR MOUNT ELONGATED, TANK OPERATED WATER CLOSET WITH TANK COVER LOCK & AMERICAN STANDARD WHITE ELONGATED SLOW CLOSE HINGE, SEAT #325024 AND SUPPLY W/ KEY STOP AND CHROME FINISHES, (2) BOLT COVER WATER SUPPLY AND FLUSH HANDLE TO BE LOCATED ON WIDE SIDE OF WALL FOR ADA COMPLIANCE. FC TO SELECT TANK AS REQUIRED. REFER TO LAYOUT ON ARCHITECTURAL DRAWINGS.
- LAV-1 EQUAL TO: LAVATORY (H.C. WALL HUNG) AMERICAN STANDARD "LUCERN" #0356041, 20"x18" WHITE VITREOUS CHINA, OVERFLOW, FAUCET LEDGE, AND WALL CARRIER JR. SMITH 100. AMERICAN STANDARD "RELIANT" SINGLE LEVER FAUCET (POLISHED CHROME). PROVIDE GRID STRAINER DRAIN WITH TAILPIECE, CHROME PLATED CAST BRASS P-TRAP WITH CLEANOUT, WASTE ARM TO WALL WITH ESCUTCHEON, 0.5 GPM AERATOR AND LOOSE KEY ANGLE STOP. INSULATE WATER AND WASTE PIPING UNDER LAVATORY WITH TRUEBRO "LAV GUARD 2" #02E-Z. ROUGH IN 3/4" AFF. TO RIM.
- MB-1 EQUAL TO: MUSTEE NO. 63M MOP BASIN, 24"x24" WITH 65.100 HOSE AND HOSE HOLDER, 65.600 MOP HANGER AND CHICAGO NO. 891 FAUCET WITH VACUUM BREAKER.
- FD-1 FLOOR DRAIN EQ. TO ZURN W/ 6" TOP & TRAP PRIMER 3"
- CO-1 EQUAL TO: SMITH 4020S FLOOR CLEAN OUT WITH ROUND SCORRIATED SECURED NICKEL BRONZE TOP. REFER TO DRAWING FOR SIZES.
- CO-2 EQUAL TO: SMITH 4250 6" GROUND CLEANOUT. FOUR CONCRETE AROUND CLEANOUT UP TO GRADE.
- TD-1 TRENCH DRAIN WILL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR THIS CONTRACTOR TO COORDINATE OUTLET SIZE AND LOCATION.
- OI-1 1000 GALLON CAPACITY CONCRETE TRAFFIC BEARING OIL INTERCEPTOR. INCLUDE WITH HEAVY DUTY GASKETED AND BOLTED CAST IRON MANHOLE COVER AND FRAME. INCLUDE RISERS AS REQUIRED.
- SK-1 EQUAL TO: SINGLE BOWL SINK, MOEN MODEL 22241 W/ MOEN CHATEAU SINGLE HANDLE FAUCET MODEL 1425.
- HB-1 HOT AND COLD HOSE BIB EQUAL TO CHICAGO MODEL 835RCF EXPOSED FITTING, 6" CENTERS, VACUUM BREAKER SPOUT WITH PAIL HOOK AND WALL BRACE, 3/4" MALE HOSE THREAD OUTLET, 633 CROSS HANDLES, QUARTER-TURN CARTRIDGE, BODY SUPPORT PLATE, 1/2" NPT FEMALE INLETS, ROUGH CHROME FINISH. MOUNT AS DIRECTED BY OWNER.
- WH-1 40GAL. POWER VENT HOT WATER HEATER. INCLUDE PRESSURE/TEMPERATURE RELIEF VALVE, COMPLETE W/ VENT THRU ROOF.



WATER HEATER DETAIL

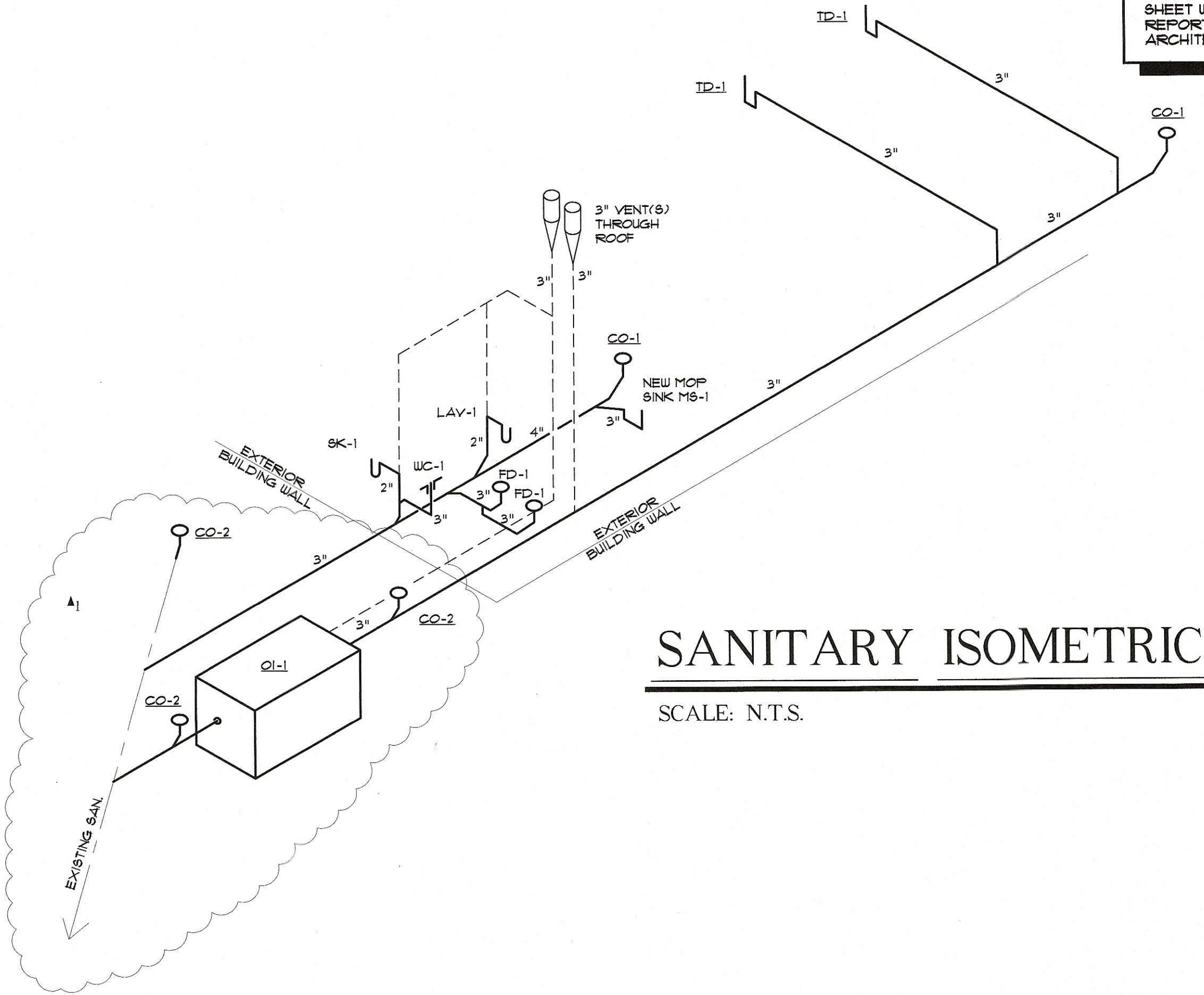
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OIL INTERCEPTOR DETAIL (OI-1)

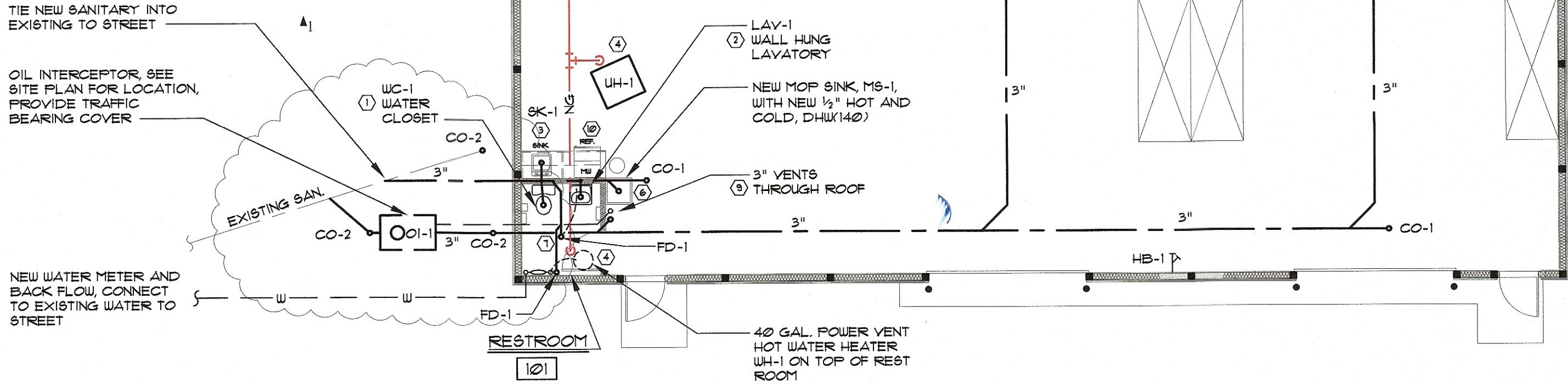
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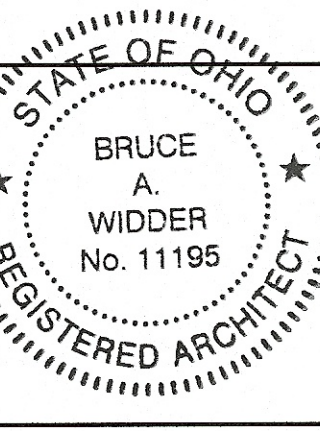
SCALE: N.T.S.



PLUMBING FLOOR PLAN

SCALE: 1/8\" = 1'-0"

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Expiration Date 12/31/19

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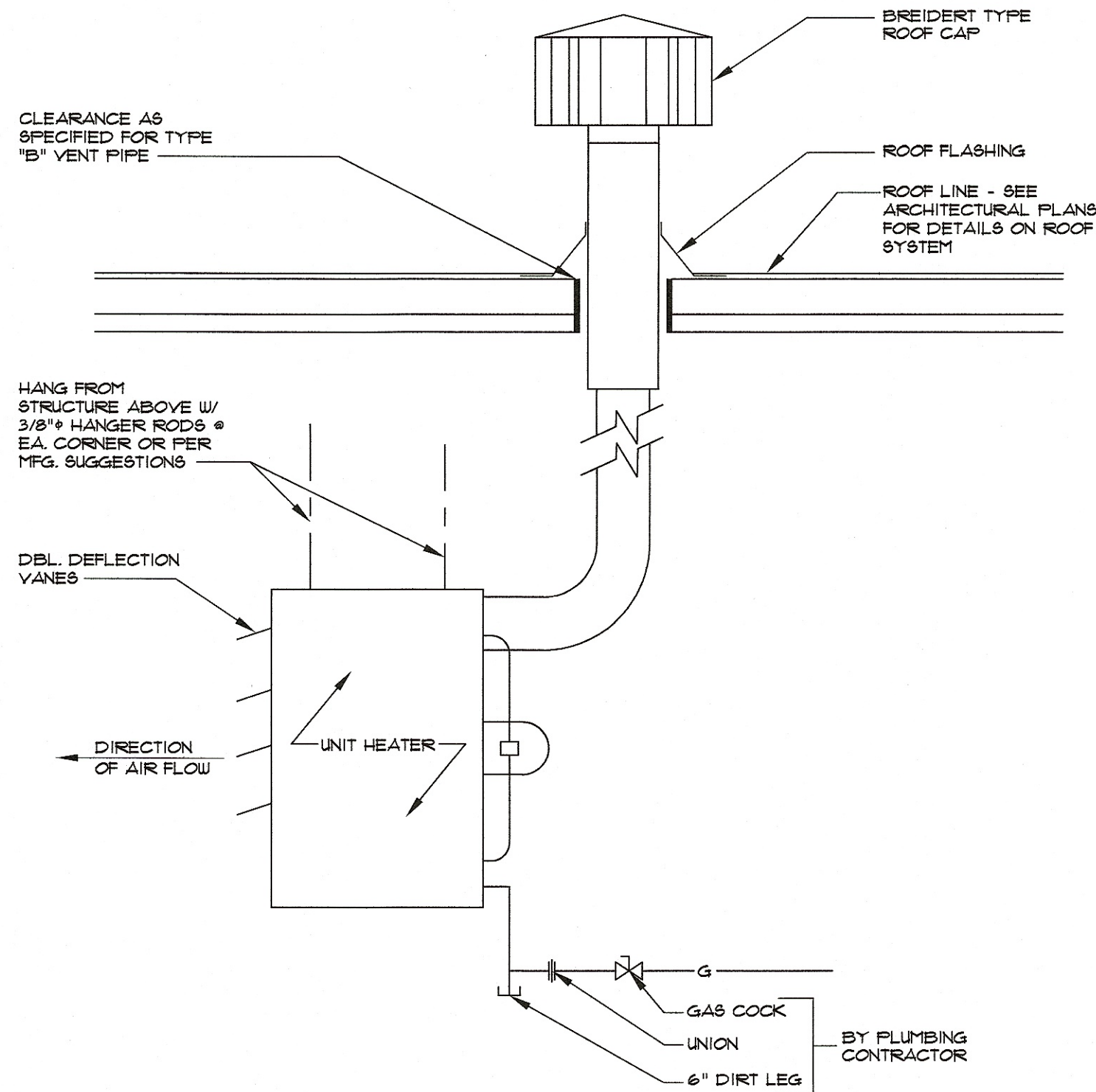
New Building For:
Advanced Industrial Roofing, Inc.
1330 South Erie St., Massillon, OH 44646

JOB NO.
17-1845
Start Date: 10-24-17
Plot Date: 6-14-18
Revisions:
1 6-14-18

J.W., D.J.S.

HVAC NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE W/ THE OHIO MECHANICAL CODE AS WELL AS ANY APPLICABLE LOCAL REQUIREMENTS.
2. ALL MATERIAL SHALL BE NEW AND OF THE FINEST QUALITY.
3. ALL WORK SHALL BE INSTALLED BY TRADESMEN THAT ARE TRAINED AND HIGHLY SKILLED IN THE WORK THAT THEY ARE TO PERFORM.
4. ALL EQUIPMENT, MATERIALS AND LABOR FURNISHED BY THIS CONTRACTOR SHALL BE WARRANTED BY HIM FOR A PERIOD OF ONE YR. FROM THE DATE OF FINAL ACCEPTANCE, AND SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND IN COMPLIANCE WITH LOCAL AND STATE CODES.
5. HVAC EQUIPMENT SHALL BE INSTALLED WITH MINIMUM CLEARANCES TO COMBUSTIBLES FOR WHICH THE EQUIPMENT HAS BEEN TESTED PER OBC MECHANICAL CODE.
6. ROUTE NEW DUCTWORK, IF APPLICABLE, PARALLEL AND PERPENDICULAR TO BUILDING LINES. DUCTWORK SHALL BE HUNG LEVEL AND FREE OF BENDS, CRIMPS AND SAGS.
7. ALL DUCTWORK, IF APPLICABLE, SHALL BE CONSTRUCTED OF PRIME GALV. SHEET METAL. USE OF FIBERGLASS DUCTBOARD IS UNACCEPTABLE.
8. ALL DUCT SIZES GIVEN ARE ACTUAL FREE AIRWAY SIZES AND MUST BE ADJUSTED AS NEEDED FOR INTERNAL DUCT LINER AS SPECIFIED.
9. CONSTRUCT ALL SUPPLY AIR DUCTWORK, IF APPLICABLE, IN ACCORDANCE W/ SMACNA STANDARDS FOR 2" PRESSURE CATEGORY. CONSTRUCT ALL RETURN AIR DUCTWORK IN ACCORDANCE W/ SMACNA STANDARDS FOR 1" PRESSURE CATEGORY.
10. LIMIT LENGTHS OF FLEXIBLE DUCTWORK TO 6'-0" OR LESS. FLEXIBLE DUCTWORK SHALL EQ. TO FLEXMASTER TYPE 3.
11. BALANCE ALL SYSTEMS TO CFM'S AS INDICATED.
12. ALL CONTROL WIRING TO THERMOSTATS, ECT. SHALL BE IN ACCORDANCE W/ THE N.E.C. CONTROL WIRING FOR HVAC EQUIPMENT SHALL BE INSTALLED BY THE HVAC CONTRACTOR. POWER WIRING FOR HVAC EQUIPMENT SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
13. PROVIDE PVC CONDENSATE TRAP W/ DRAIN FOR THE FUR. UNITS AND DX COILS, EXTEND TO NEAREST FLOOR DRAIN W/ MINIMUM 2" AIR GAP.
14. ALL GAS PIPING, IF APPLICABLE, SHALL BE SCH. 40 A-53-B BLACK STEEL PIPE W/ 150# BLACK MALLEABLE IRON SCREWED FITTINGS INSTALLED BY PLUMBING CONTRACTOR.
15. INSTALL GAS PIPING IN ACCORDANCE W/ OHIO BASIC MECHANICAL CODE REQUIREMENTS. GAS PIPING SHALL BE TESTED IN ACCORDANCE W/ LOCAL GAS CO. REQUIREMENTS AND OHIO BASIC MECHANICAL REQUIREMENTS. ALL GAS FIRED EQUIPMENT IS TO BE INSTALLED W/ A MANUAL GAS VALVE.
16. ANY EXHAUST OUTLET SHALL BE INSTALLED AT A DISTANCE GREATER THAN 10' FROM ANY FRESH AIR INTAKE.
17. ALL FILTERS TO BE PROVIDED FOR EA. HEATING / COOLING UNIT.



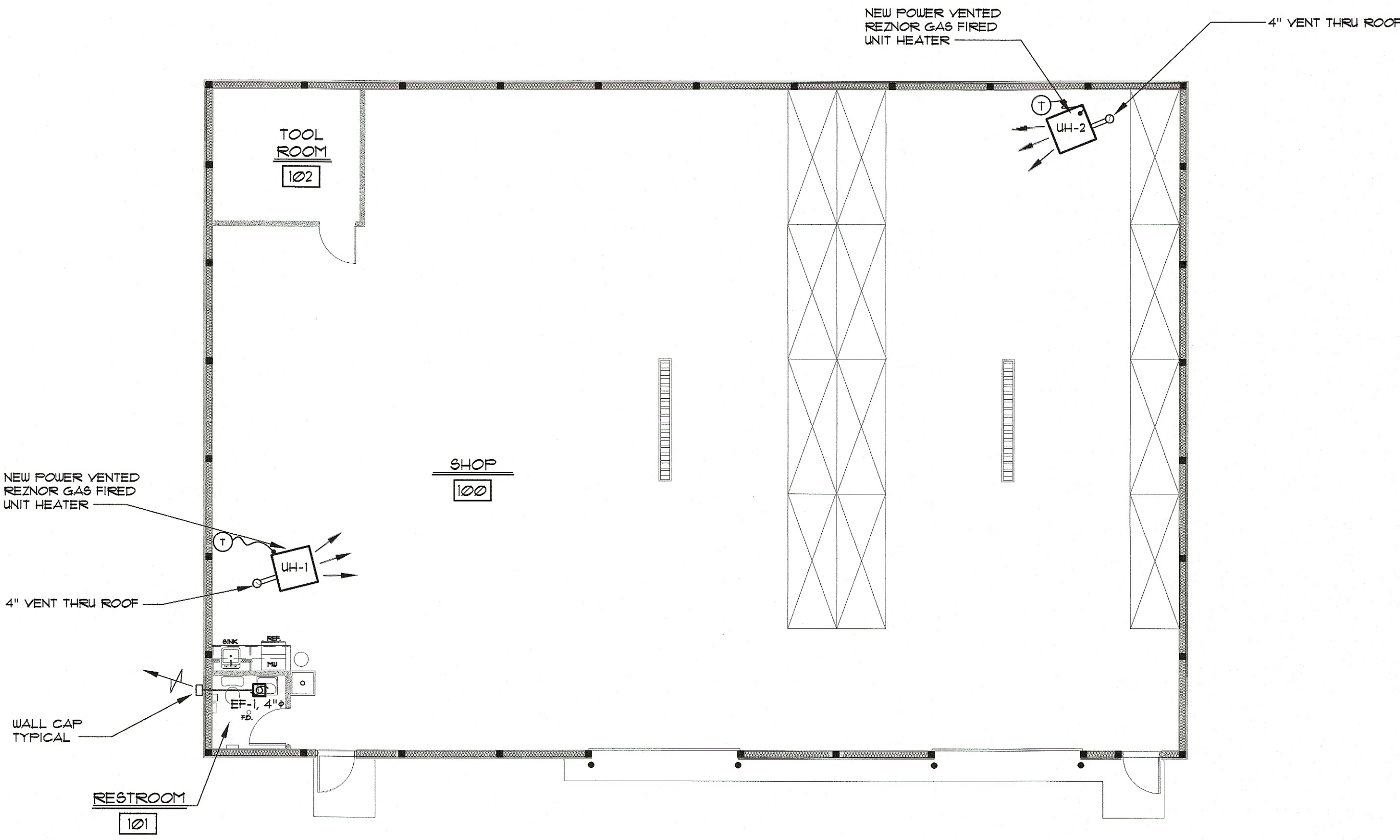
UNIT HEATER DETAIL

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

HVAC EQUIPMENT

- UH-1 GAS FIRED UNIT HEATER "REZNOR" MODEL "UDAPI00 WITH 4" VENT THRU ROOF, TYPICAL OF (2) INSTALLED PER MANUFACTURER SPECIFICATIONS.
- UH-2
- EF-1 SURFACE MOUNT EXHAUST FAN EQ. TO "COOK" GC-120, 15CFM @ .25 SP, 35 WATTS, 115 VOLT, 1200 RPM. PROVIDE W/ BACKDRAFT DAMPER AND WEATHER PROOF CAP W/ INSECT SCREEN.

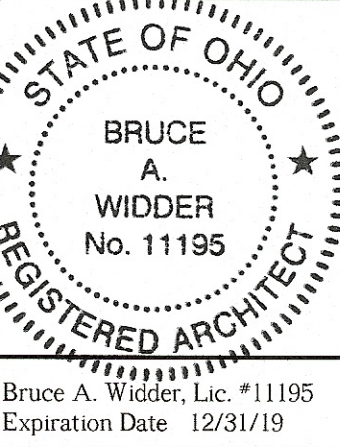
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HVAC FLOOR PLAN

SCALE: 1/8" = 1'-0"

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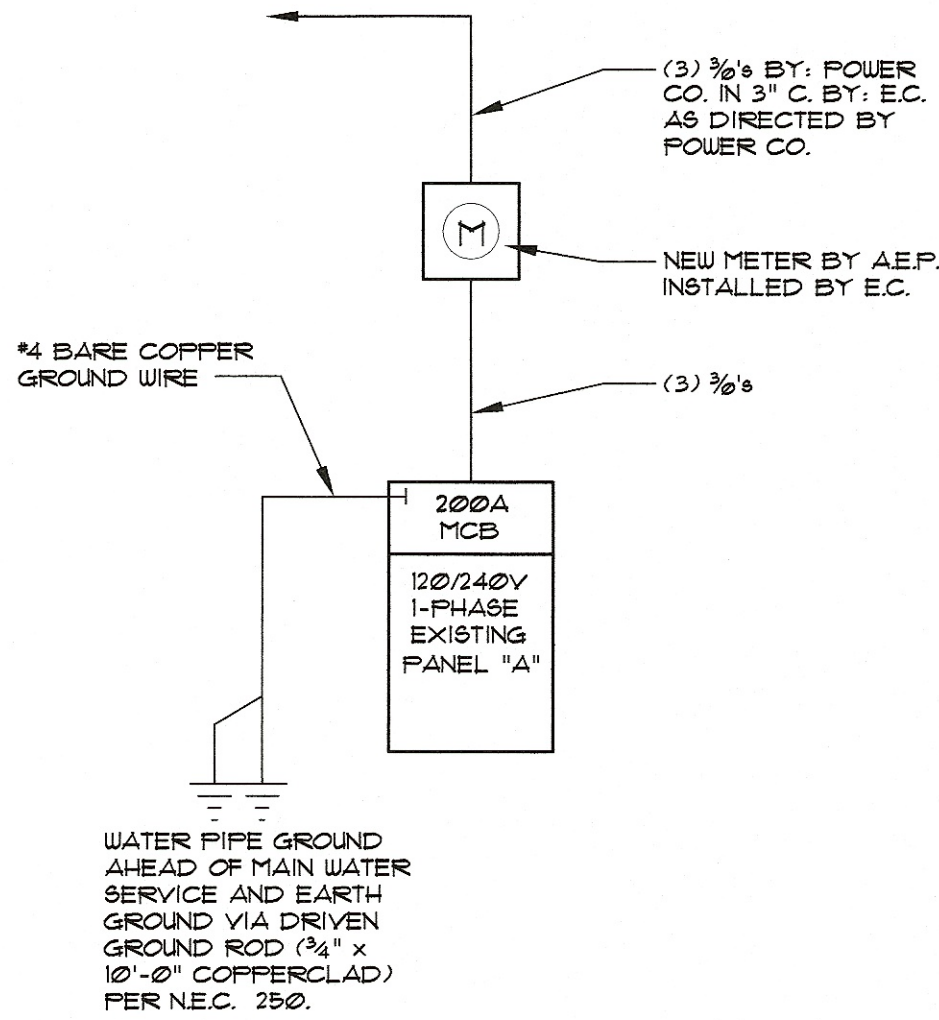
JOB NO. 17-1845	
Start Date: 10-24-17	Revisions:
Plot Date: 05-30-18	
J.W., D.J.S.	

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	NEW LIGHT FIXTURE, SEE SCHEDULE
	FLUORESCENT FIXTURES, SEE FIXTURE SCHEDULE
	PADDLE FAN / LIGHT COMBO
	HUBBELL #221, 20A, 3P SWITCH
	HUBBELL #223, 20A, 3-WAY SWITCH
	20 A, 125 V, DUPLEX RECEPTACLE
	GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
	ISOLATED GROUND RECEPTACLE, 20 A
	AC = RECP. OR OTHER DEVICE ABOVE COUNTER
	WEATHER PROOF, GFI RECEPTACLE ASSEMBLY
	DOUBLE DUPLEX RECEPTACLE ASSEMBLY, 20 A, 125V
	240V. RECEPTACLE - AS NOTED
	EMERGENCY/EXIT LIGHT COMBO W/ 90 MIN. BAT. BACKUP
	EXIT LIGHT
	DUAL LAMP REMOTE HEAD
	ELEC. MOTOR 4/OR EXHAUST FAN
	EXHAUST FAN/ LIGHT COMBO
	EM. LIGHT WALL PACK W/ 90 MIN. BAT. BACKUP
	EXTERIOR METAL HALIDE WALL LIGHT
	PHONE / DATA COMMUNICATIONS
	PHONE LOCATION
	DATA LOCATION
	ELECTRIC PANEL
	JUNCTION BOX
	DENOTES FIXTURE TYPE - SEE FIXTURE SCHEDULE
	DENOTES HOME RUN TO PANEL BOARD

ELECTRICAL NOTES	
1.	ALL WORK AND INSTALLATION SHALL BE ACCORDING TO NEC AND LOCAL CODES.
2.	ALL ELECTRICAL WORK SHALL BE COMPLETED BY AN INDIVIDUAL OR BUSINESS LICENSED BY THE OHIO CONSTRUCTION INDUSTRY LICENSING BOARD. INSTALLATION SHALL BE IN STRICT ACCORDANCE W/ CURRENT N.E.C. AND ALL OTHER APPLICABLE NATIONAL, STATE & LOCAL CODES.
3.	ALL WIRING IS TO BE IN EMT CONDUIT OR MC CABLE AS PER NEC 330. IN FLOORS, WIRING SHALL BE EITHER RIGID, GALVANIZED OR SCHEDULE 40 P.V.C. IF P.V.C IS USED, A GROUND WIRE MUST BE USED.
4.	ALL WIRING IN ANY RETURN AIR SPACE IS TO BE PLENUM RATED.
5.	FLEXIBLE CONDUIT IS TO BE USED FOR FINAL CONNECTIONS TO EQUIPMENT AND SUSPENDED LIGHT FIXTURES.
6.	EXIT AND EMERGENCY FIXTURES ARE TO BE CONNECTED TO NEARBY UNSWITCHED CIRCUITS.
7.	THE ELECTRICAL CONTRACTOR IS TO SUPPLY POWER TO ALL HVAC AND EXHAUST EQUIPMENT. CONTROL WIRING IS TO BE PROVIDED BY THE HVAC CONTRACTOR.
8.	THE ELECTRICAL CONTRACTOR IS TO SUPPLY CUTS AND SPECIFICATIONS OF ALL FIXTURES FOR THE OWNERS APPROVAL.
9.	THE ELECTRICAL CONTRACTOR IS TO OBTAIN INSPECTIONS FOR HIS PORTION OF THE WORK.
10.	PANELS AND ELECTRICAL EQUIPMENT CLEARANCES SHALL BE IN ACCORDANCE WITH SECTION 110-26 OF THE NEC.
11.	ALL GROUNDING SHALL BE IN ACCORDANCE WITH ARTICLE 250 OF THE NEC.
12.	ALL TEMPERATURE CONTROL WIRING, INCLUDING INTERLOCKS & STARTERS, SHALL BE BY HVAC CONTRACTOR UNLESS NOTED OTHERWISE. THE POWER WIRING SHALL BE BY THE E.C.
13.	THE E.C. SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING A PROPERLY RATED LOCAL DISC. SWITCH ON ALL ITEMS OF ELEC. EQUIPMENT WHICH DO NOT HAVE AN INTEGRAL LOCAL DISC. WHERE REQ'D BY N.E.C. LOCAL DISC. SHALL BE FUSIBLE OR HACR-RATED.
14.	TO MINIMIZE ROOM TO ROOM NOISE TRANSMISSION, DO NOT MOUNT ANY RECEPTACLES BACK TO BACK IN A SINGLE STUD SPACE.
15.	IDENTIFICATION TAGGING IS REQ'D ON ALL PANEL BOARDS, DISC. SWITCHES, STARTERS, CONTROL PANELS, PUSH BUTTONS & MISC. ELEC. DEVICES INSTALLED BY THE E.C.

FIXTURE SCHEDULE	
SYM.	DESCRIPTION
(A)	LITHONIA LBL4 4800-LM-80CRI-35K 12"x48" LED OR EQUAL
(B)	LITHONIA 8' LED LIGHT FIXTURE
(C)	EXTERIOR LED WALL PACK
(D)	EXIT / EM. LIGHT COMBO W/ 90 MIN. BAT. BACKUP
(E)	2 HEAD / LIGHT REMOTE EMERGENCY LIGHT
(F)	DUAL HEAD EMERGENCY LIGHTING W/ 90 MIN. BAT. BACKUP

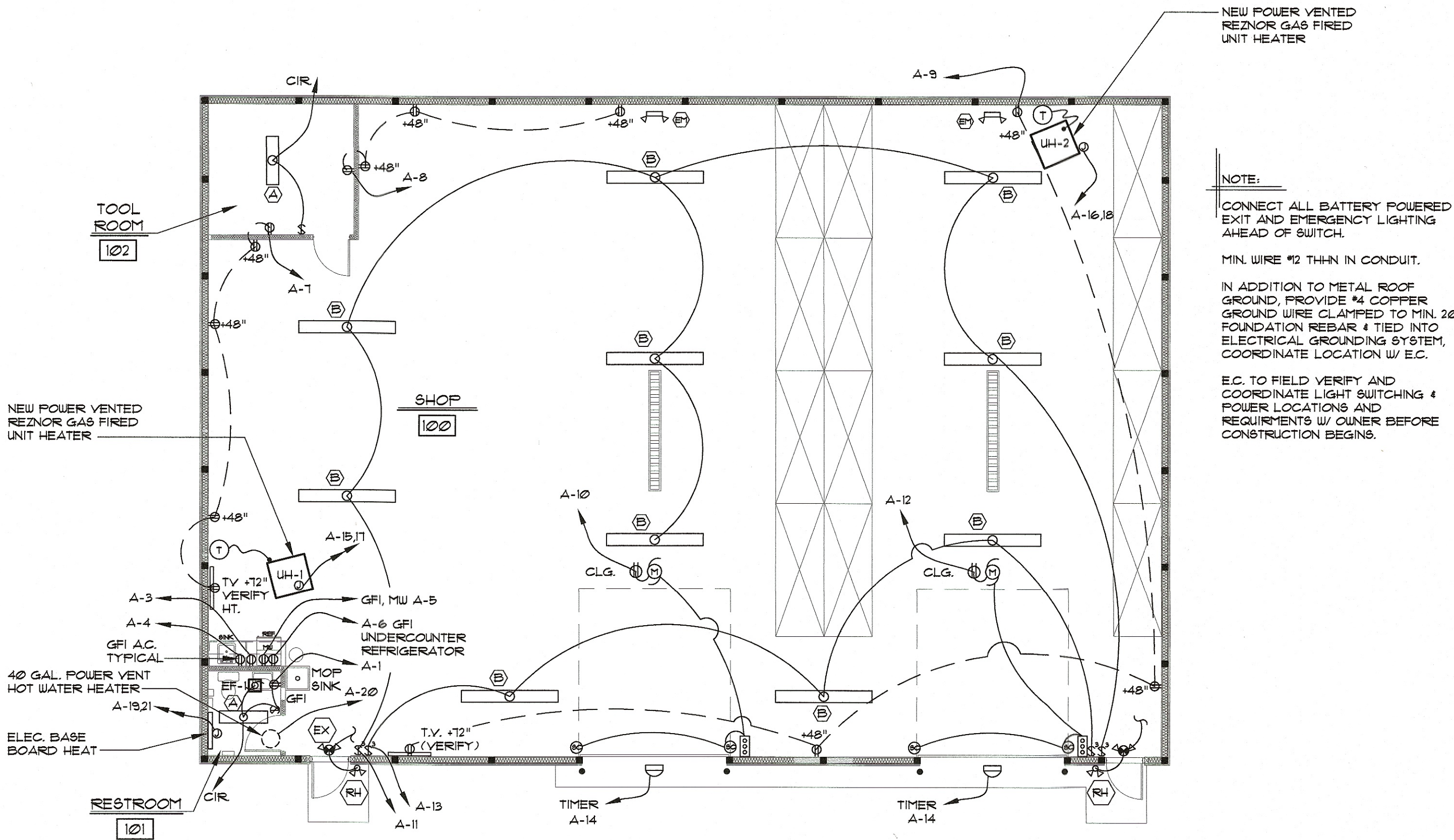
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RISER DIAGRAM

SCALE: N.T.S.

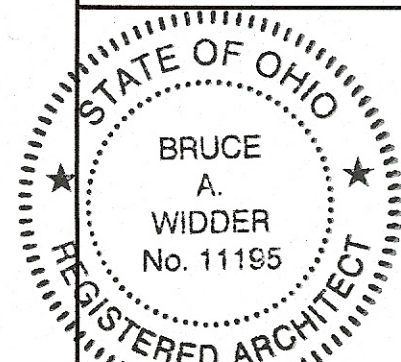
PANEL "A"									
CIRCUIT		200 AMP. PANEL PROVIDE MAIN DISCONNECT		WIRE SIZE	AMP'S	AMP'S	WIRE SIZE	CIRCUIT	
NO.	DESCRIPTION							NO.	DESCRIPTION
1	REST ROOM	12	1/20	1/20	12			2	TOOL ROOM LIGHTS
3	COUNTER RECP.	12	1/20	1/20	12			4	COUNTER RECP.
5	MICROWAVE RECP.	12	1/20	1/20	12			6	REFRIGERATOR RECP.
7	RECEPTACLES	12	1/20	1/20	12			8	RECEPTACLES
9	RECEPTACLES	12	1/20	1/20	12			10	O.H.D. DOOR OPERATOR
11	SHOP LIGHTS	12	1/20	1/20	12			12	O.H.D. DOOR OPERATOR
13	SHOP LIGHTS	12	1/20	1/20	12			14	EXTERIOR LIGHTING ON TIMER
15	UNIT HEATER	2/20	2/20					16	UNIT HEATER
17	UNIT HEATER							18	UNIT HEATER
19	BASEBOARD HEAT			1/20	12			20	WATER HEATER
21	BASEBOARD HEAT			1/20	12			22	SPARE
23	SPARE			1/20				24	SPARE
25								26	
27								28	
29								30	
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37								38	
39								40	



ELECTRICAL FLOOR PLAN

SCALE: 1/8" = 1'-0"

BA WIDDER
Architectural Services
Commercial, Industrial, & Residential Design
407 4th Street NW Suite E New Philadelphia, Ohio 44663 Phone (330) 338-4054 Fax (330) 339-4219



Bruce A. Widder, Lic. #11195
Expiration Date 12/31/19

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New Building For:
Advanced Industrial Roofing, Inc.
1330 South Erie St., Massillon, OH 44646

JOB NO.
17-1845

Start Date: 10-24-17
Plot Date: 05-30-18
Revisions:

J.W., D.J.S.

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