


BUILDING CODE INFORMATION

USE GROUP	S-1	2024 OBC DATA
CONSTRUCTION TYPE	5B, UNPROTECTED	
DESCRIPTION	NEW ADDITION FOR VEHICLE REPAIR / PARTS STORAGE	
GENERAL BUILDING HEIGHTS & AREAS (per Chapter 5)		
ALLOWABLE	NEW BUILDING AREA	
HEIGHT 40 FT, 1 STORY	HEIGHT	21 FT, 4 INCH
AREA PER TABLE 506.2		
NEW REPAIR AREA (S-1)	3,840 SQ FT	
NEW PART STORAGE AREA (S-1)	2,160 SQ FT	
	TOTAL AREA	6,000 SQ FT
3-HR RATED FIREWALL 		
EXISTING SHOP AREA BUILDING (S-1)	6,900 SQ FT	
	TOTAL AREA	12,900 SQ FT
VENTILATION REQUIREMENTS		
NATURAL VENTILATION PROVIDED PER SECTION	1203.5.1	
REQUIRED VENTILATION ADDITION (4% of floor area)		
NATURAL VENTILATION PROVIDED		
LIGHTING REQUIREMENTS		
NATURAL LIGHT PROVIDED PER SECTION	1205.2	
REQUIRED MINIMUM NET GLAZED (8% of floor area)		
LED LIGHTING PROVIDED		
OCCUPANT LOAD FOR NEW ADDITION		
OCCUPANT LOAD PER SECTION	1004.1.2 OBC 2024	CALCULATED
NEW REPAIR AREA (S-1)	26	
NEW PART STORAGE AREA (S-1)	5	
PROJECT SCOPE		
ACCESSIBLE RESTROOMS PROVIDED IN EXISTING BUILDING		

DESIGN LOAD INFORMATION

ROOF DESIGN LOADS	
DEAD LOAD	
TOP CHORD / RAFTER	10 PSF
BOTTOM CHORD	10 PSF
FLOOR DESIGN LOADS	
LIVE LOAD	125 PSF
SNOW DESIGN LOADS	
SNOW DRIFTING IS BEING CONSIDERED IN THIS DESIGN	
SNOW DESIGN DATA:	
GROUND SNOW LOAD, P _g	25 PSF
SNOW EXPOSURE FACTOR, C _e	1.0
SNOW LOAD IMPORTANCE FACTOR, I _s	1.0
WIND DESIGN DATA	
BASIC WIND SPEED	107 MPH
WIND IMPORTANCE FACTOR, I _w	1.0
BUILDING CATEGORY	II
WIND EXPOSURE	C
WIND PRESSURE:	
MWFRS	20 PSF
COMPONENT & CLADDING	30 PSF
SOIL BEARING PRESSURE (assumed)	
SOIL PRESSURE	1,500 LBS.
SEISMIC DESIGN INFORMATION	
IMPORTANCE FACTOR	1.0
SEISMIC USE GROUP	I
MAPPED SPECTRAL RESPONSE COEFFICIENTS:	
SS =	
S1 =	
SDS =	
SD1 =	
SITE CLASS	D
SEISMIC DESIGN CATEGORY	B
SEISMIC RESPONSE COEFFICIENT, C _s	0.025
RESPONSE MODIFICATION FACTOR, R	6-1/2
DESIGN BASE SHEAR	3,600 LBS.
ANALYSIS PROCEDURE:	SIMPLIFIED ANALYTICAL PROCEDURE

GENERAL NOTES - 2024 OBC

ALL REFERENCES IN THIS SECTION ARE IN ACCORDANCE WITH THE OHIO BUILDING CODE (OBC) 2024 EDITION. ALL AREAS OF THIS BUILDING ARE TO MEET OR EXCEED THE STANDARDS REQUIRED THEREIN.

GENERAL CONTRACTOR SHALL VERIFY ALL JOBSITE CONDITIONS, BUILDING LINES, ELEVATIONS AND/OR DIMENSIONS AS SHOWN ON THE DRAWINGS RELATED TO ARCHITECTURAL, STRUCTURAL DETAIL, MECHANICAL, PLUMBING AND/OR ELECTRICAL DRAWINGS. ANY ERRORS OR DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER BEFORE COMMENCING WORK.

ALL WOOD CONSTRUCTION SHALL COMPLY WITH ALL REQUIREMENTS OF THE OBC 2024 EDITION, CHAPTER 6 - TABLE 601, AND CHAPTER 23.

ALL CONCRETE MATERIALS AND WORKMANSHIP, PLAIN AND REINFORCED SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 19 2024 OBC AND ACI-318.

ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2024 EDITION OF THE NEC (NATIONAL ELECTRIC CODE) AND ALL OTHER APPLICABLE NATIONAL, STATE AND LOCAL REQUIREMENTS.

ALL MECHANICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2024 OBC, CHAPTER 28, AND ALL OTHER APPLICABLE NATIONAL, STATE AND LOCAL REQUIREMENTS.

ALL PLUMBING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2024 OBC, CHAPTER 29, AND ALL OTHER APPLICABLE NATIONAL, STATE AND LOCAL REQUIREMENTS.

THE ENGINEER CERTIFIES THAT THIS DESIGN IS IN ACCORDANCE WITH CURRENT APPLICABLE CODES AND SPECIFICATIONS. RESPONSIBILITY TO FOLLOW THIS DESIGN IS THAT OF THE CONTRACTOR'S. ENGINEER WILL TAKE NO RESPONSIBILITY FOR CONTRACTOR'S FAILURE TO CONFORM TO THE DRAWINGS AND SPECIFICATIONS.

THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER COMPLETION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION.

THESE DRAWINGS DO NOT PROVIDE THE NECESSARY INSTRUCTIONS, PROCEDURES, AND/OR REGULATIONS FOR CONSTRUCTION SAFETY. GENERAL JOBSITE SAFETY, EQUIPMENT USE AND PROCEDURES, CARE OF PERSONAL PROPERTY DURING CONSTRUCTION. COMPLIANCE WITH LOCAL SAFETY REGULATIONS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR OWNER.

NEW 60' x 100' WOOD FRAMED BUILDING ADDITION FOR DON'S AUTOMOTIVE COLLISION CENTER



PROJECT ADDRESS

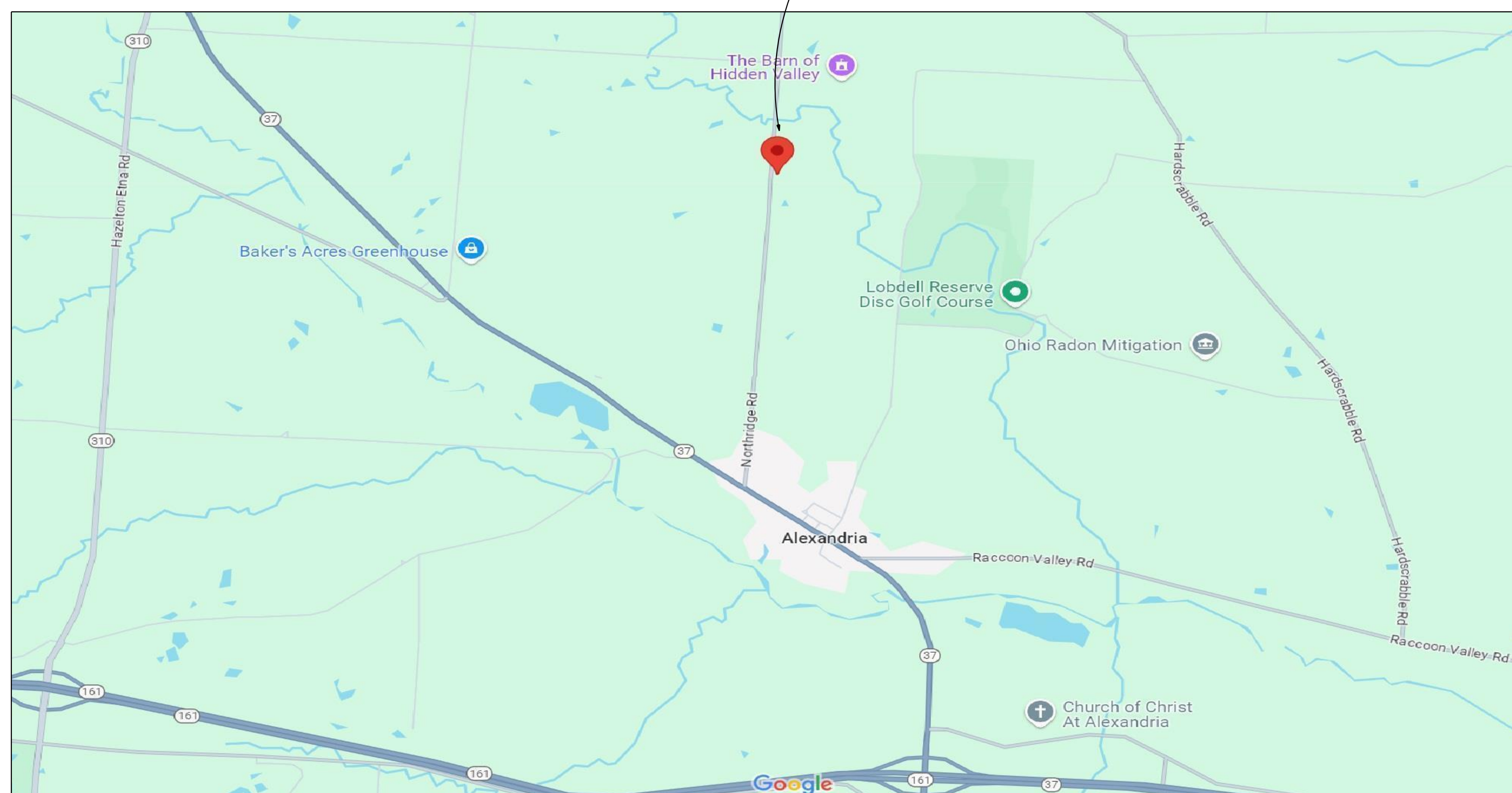
3810 NORTHRIDGE RD
ALEXANDRIA, OH 43001

CONTRACTOR



520 COUNTY RD 2575
LOUDONVILLE, OH 44842
(330) 231-2463

SITE MAP



DOCUMENT INDEX

- 1 COVER SHEET
- 2 SITE PLAN
- 3 FOUNDATION PLAN
- 4 FLOOR PLAN
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- 6 SECTIONS
- 7 ELEVATIONS
- 8 ACCESSIBILITY DETAILS
- E-1 POWER PLAN
- E-2 LIGHTING PLAN
- P-1 PLUMBING PLAN / IN-FLOOR HEAT

CYPRESS ENGINEERING

Jeremy Fry, P.E.

8973 Dover Road
Apple Creek, Ohio 44606
(330) 317-5064



JOB NUMBER
DAC-92024
DATE
10-25-2024

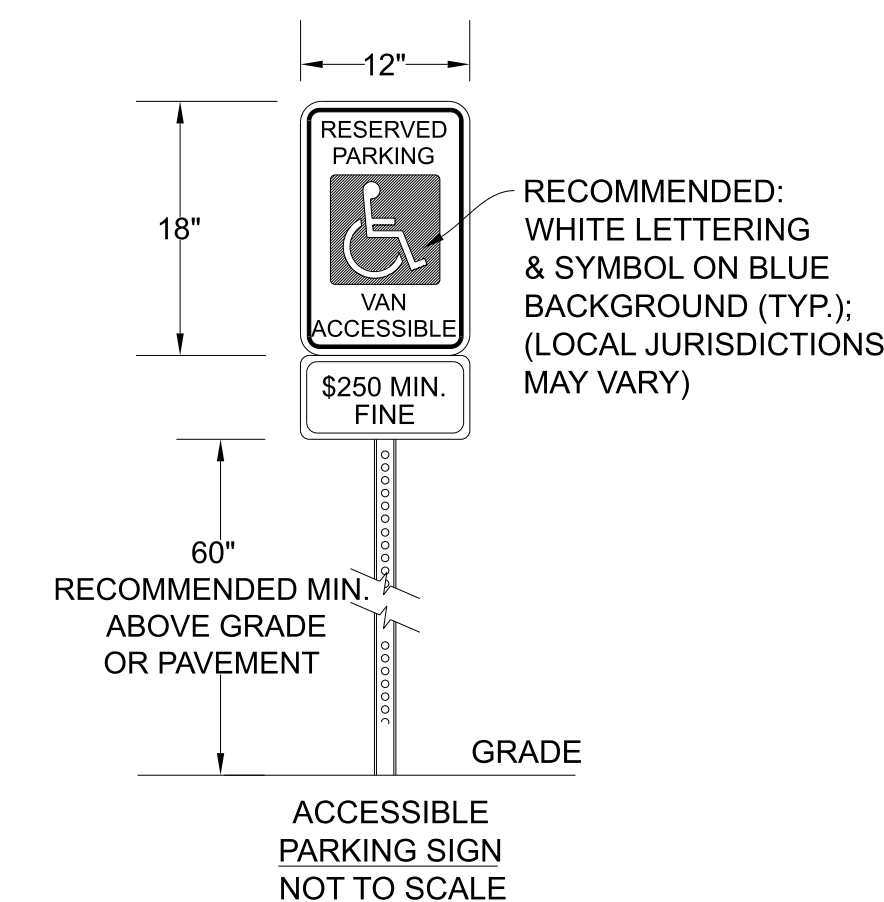
COVER SHEET
1



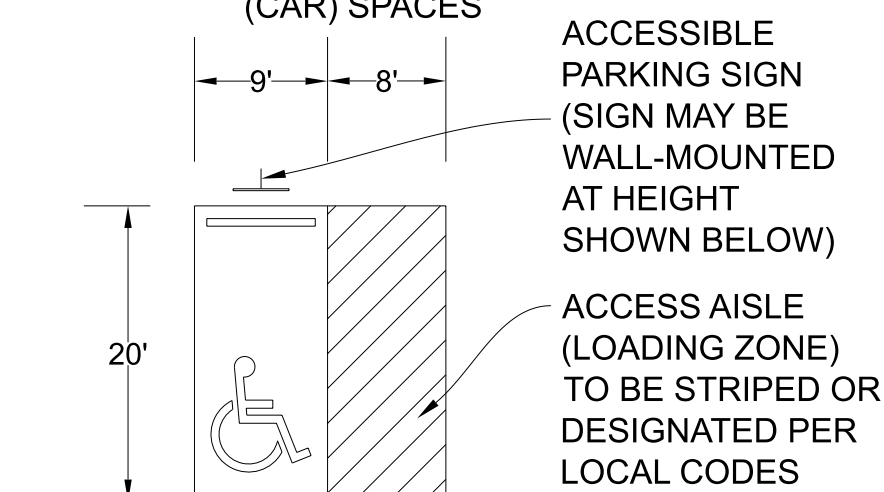
SITE DATA	
PARCEL:	066-321402-00.000
OWNER:	DONS AUTOMOTIVE COLLISION & REPAIR LLC
ACRES:	1.0000
TOWNSHIP:	ST. ALBANS
ADDRESS:	3810 NORTHRIDGE RD ALEXANDRIA, OH 43001



SITE PLAN
SCALE: 1" = 15'



8' MIN. ACCESS AISLES @ VAN PARKING;
5' MIN. ACCESS AISLES @ ADDITIONAL ACCESSIBLE (CAR) SPACES



SIGNAGE AT PARKING SPACES NOT TO SCALE

PARKING AND ACCESSIBLE SURFACES TO BE STABLE, FIRM AND SLIP-RESISTANT PER ADA ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES ICC/ANSI A117.1-2017

60'-0" X 100'-0" ADDITION DONS AUTOMOTIVE



JOB NUMBER
DAC-92024

DATE
10-25-2024

SITE PLAN

FOUNDATION NOTES

- ALL FOOTINGS SHALL BE ESTABLISHED ON PROPERLY UNDISTURBED SOIL OR PROPERLY COMPACTED ENGINEERED FILL IN ACCORDANCE WITH CHAPTER 18 OF THE OBC, 2024 EDITION.
- ALL FOUNDATION BEARING AND FILL MATERIALS SHALL BE INSPECTED AND APPROVED BY THE BUILDING INSPECTOR PRIOR TO PLACING CONCRETE.
- EXCAVATION, GRADING AND FILL/BACKFILL SHALL BE IN ACCORDANCE WITH OBC 2024, CHAPTER 18. ALL FILL AND BACKFILL MATERIALS SHALL BE NON COHESIVE SOILS COMPACTED TO 95% MAXIMUM DENSITY PER ASTM D 1557 METHOD. THE UPPER 6" OF SUB GRADE SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED.
- NO SOILS REPORT WAS AVAILABLE AT THE TIME OF PREPARATION OF THESE DRAWINGS. SHOULD ANY CONDITIONS BE ENCOUNTERED THAT ARE UNUSUAL OR DO NOT GIVE ASSUMED BEARING CAPACITIES, THE OWNER SHALL BE NOTIFIED AND WORK SHALL CEASE. WORK SHALL NOT RESUME UNTIL THE OWNER'S ENGINEER EVALUATES THE EXCAVATION AND GIVES WRITTEN NOTICE TO RESUME FOUNDATION WORK.
- ASSUMED MINIMUM ALLOWABLE SOIL BEARING PRESSURE = 1,500 PSF BASED ON SILTY SAND IN ACCORDANCE WITH SECTION 1804.2, OBC.
- ALL ORGANIC TOP SOILS SHALL BE STRIPPED FROM THE AREA UPON WHICH THE PROPOSED STRUCTURE IS TO BE LOCATED.
- ALL EXCAVATION FOR STRUCTURES SHALL BE KEPT DEWATERED UNTIL BACKFILL IS IN PLACE. EXCAVATION FOR STRUCTURES SHALL INCLUDE ALL NECESSARY SHEETING AND SHORING.
- WHERE THE FOUNDATION IS OVER EXCAVATED, REMOVE ALL DISTURBED FOUNDATION SOIL AND REPLACE WITH GRANULAR MATERIAL PROPERLY COMPACTED AS DIRECTED.

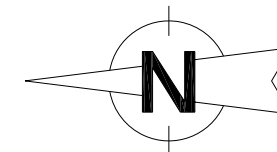
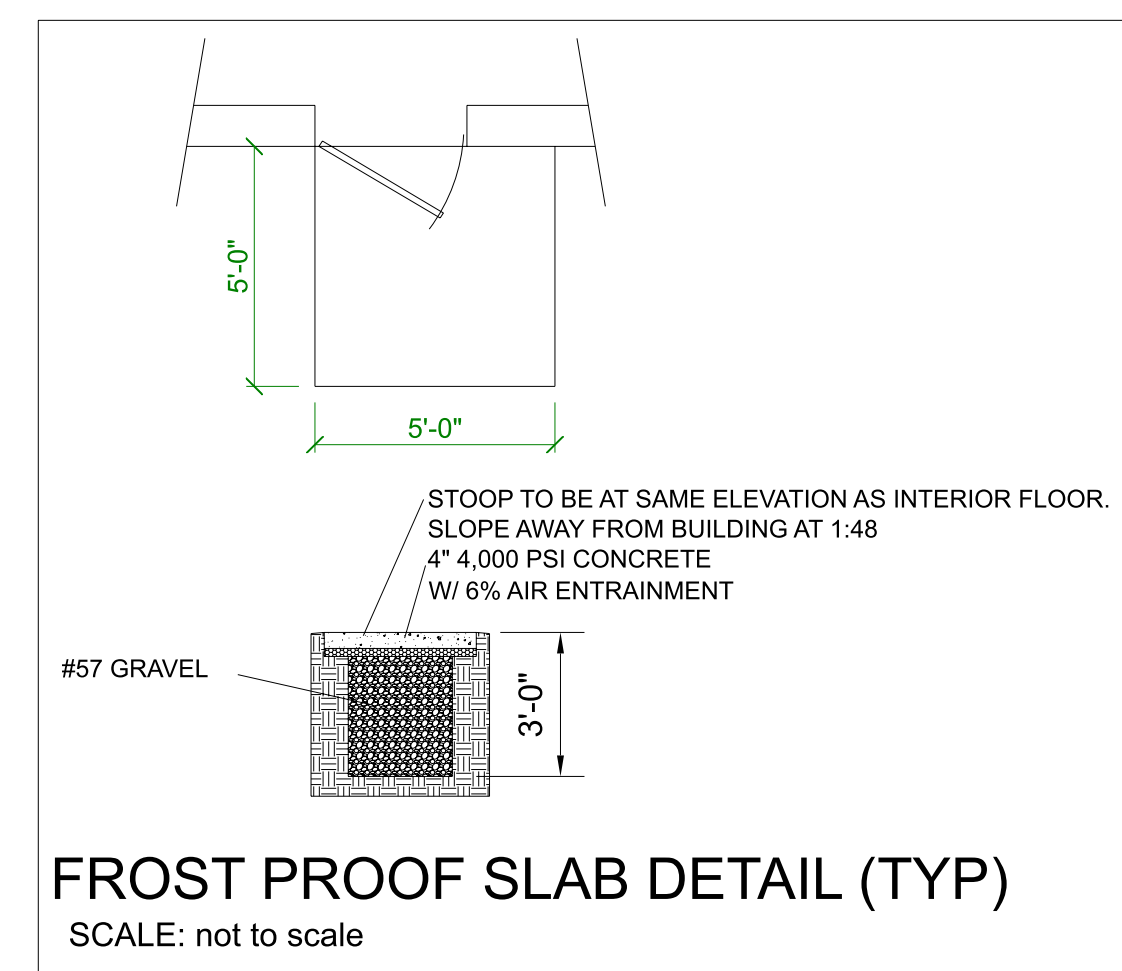
CONCRETE NOTES

- ALL READY MIX CONCRETE SHALL CONFORM TO ASTM C 94.
- ALL REINFORCING STEEL SHALL BE PLACED IN CONFORMANCE WITH THE LATEST EDITION OF "THE MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION", PUBLISHED BY C.R.S.I.
- ALL REINFORCING BARS, DOWELS, ANCHOR BOLTS AND OTHER INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING OF CONCRETE.
- ALL HORIZONTAL BARS IN CONCRETE, WALLS AND GRADE BEAMS SHALL BE CONTINUOUS AND BENT AT ALL CORNERS AND INTERSECTIONS. PRE-

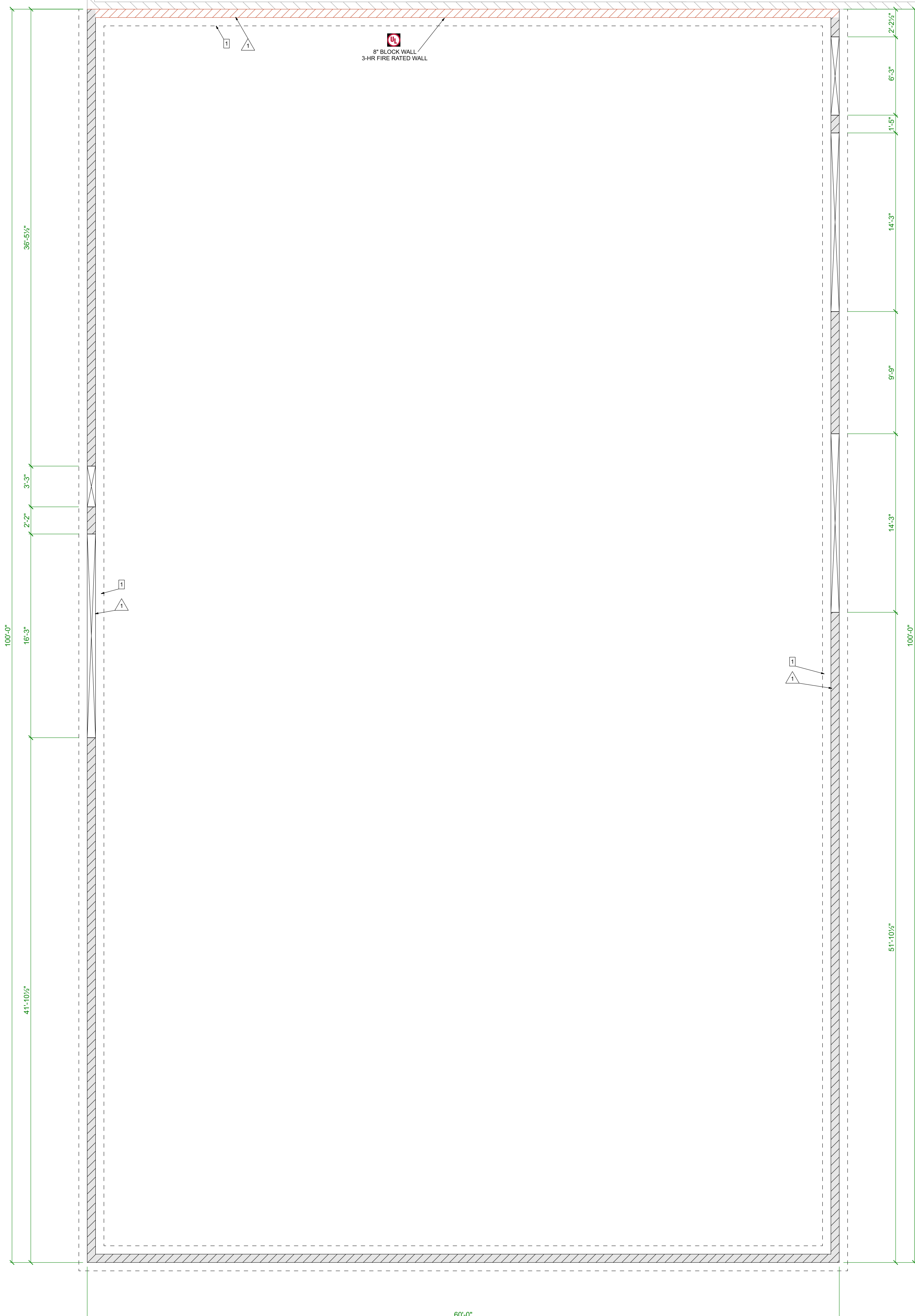
- DETAILING, BENDING AND PLACING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE ACI CODE. BRACED TO FORM TRUE LINES, SQUARE CORNERS AND PLUMB WALLS.
- ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO CHAPTER 19 OF THE OBC 2024 EDITION.
- MIX DESIGN SHALL BE BASED ON PERFORMANCE TEST AND SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND GENERAL CONTRACTOR.
- USE AIR-ENTRAINED CONCRETE FOR ALL AREAS EXPOSED TO WEATHER.
- ALL CONCRETE SHALL DEVELOP THE FOLLOWING COMPRESSIVE STRENGTHS AT 28 DAYS (U.N.O.):
CONCRETE FOUNDATION AND WALLS = 3,000 PSI
CONCRETE SLABS = 3,500 PSI
- NO CONCRETE SHALL BE POURED SUBJECT TO FREEZING CONDITIONS OR ON FROZEN GROUND.
- LOCATE ALL SLEEVES, OPENINGS, EMBEDDED ITEMS, ETC., WHICH ARE INDICATED ON ALL DESIGN DRAWINGS. CHECK WITH OTHER TRADES TO VERIFY THAT ALL SLEEVES, OPENINGS AND EMBEDDED ITEMS ARE IN PLACE AND LOCATED CORRECTLY PRIOR TO PLACING OF CONCRETE.
- REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS OR ACCESSORIES REQUIRED TO BE CAST IN CONCRETE AND FOR LOCATIONS OF FLOOR FINISHES AND SLAB DEPRESSIONS.
- FOOTINGS SHALL BE LOCATED ON THE CENTER LINE OF WALLS, PIERS, OR COLUMNS, UNLESS NOTED OTHERWISE.
- PROCEDURES FOR PLACEMENT OF CONCRETE SHALL BE IN STRICT CONFORMANCE WITH ACI 304. "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE."
- BEAMS AND SLABS SHALL BE POURED MONOLITHICALLY, SO THAT NO HORIZONTAL CONSTRUCTION JOINTS ARE PROVIDED.
- PIPE MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES, BUT SHALL NOT BE EMBEDDED THEREIN. SLEEVES SHALL BE WRAPPED WITH EXPANSION JOINT FILLER MATERIAL TO ALLOW CONCRETE TO CURE WITHOUT RESTRAINT. PIPES OR CONDUITS EXCEEDING ONE THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. SEE MECHANICAL AND/OR ELECTRICAL DRAWINGS FOR LOCATIONS OF SLEEVES, ACCESSORIES, ETC.
- CONCRETE SLABS ON GRADE SHALL BE POURED ON COMPACTED SUB GRADE OR UNDISTURBED SOIL. SLAB SURFACES SHALL BE SMOOTH AND LEVEL OR SHALL HAVE SMOOTH EVEN SLOPE. CONCRETE FINISH SHALL BE SMOOTH FOR INTERIOR FLOOR SLABS AND BROOMED FOR EXTERIOR WALKS.
- THE SURFACE OF ALL CONSTRUCTION JOINTS SHALL BE CLEANED TO REMOVE ALL DUST, CHIPS OR OTHER FOREIGN MATTER PRIOR TO PLACING THE ADJACENT CONCRETE.
- SLAB CONTROL JOINTS SHALL BE INSTALLED WITH JOINT FORMERS WHEN THE SLAB IS POURED, OR SAWCUT AS SOON AS THE CONCRETE WILL ALLOW WITHOUT DAMAGE.

FOUNDATION / WALL TYPES		NOTES:
<p>8" CMU FOUNDATION WALL W/ #5 VERTICAL REINFORCEMENT @ 48" O.C. @ CORNERS & EACH SIDE OF OPENINGS. ALL VERTICAL & HORIZONTAL REINFORCEMENT IN WALLS AND GRADE BEAMS SHALL BE CONTINUOUS AND BENT AT ALL CORNERS AND INTERSECTIONS.</p>		<ol style="list-style-type: none"> CONTROL JOINT AND CONSTRUCTION JOINT LOCATIONS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO FIELD LOCATE AS REQUIRED. PIPE PENETRATIONS THROUGH FOUNDATION PER OBC. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR PROPERLY COMPACTED FILL, AS REQUIRED PER THE GENERAL NOTES. CONTRACTOR SHALL VERIFY DIMENSIONS WITH ARCHITECTURAL PLANS. NOTIFY ENGINEER OF DISCREPANCIES. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN. FINISH FLOOR ELEVATION REFERS TO HIGH POINT OF FLOOR SLAB WHEN CONCRETE SLAB FLOOR SLOPES TO FLOOR DRAINS.
FLOOR SLABS		
<p>SLAB 1 SLAB 1: 6" CONCRETE W/ WWF 6X6 WIRE MESH 6/6 GAUGE OVER 2" INSULATION, IN-FLOOR HEATING & 6 MIL VAPOR BARRIER OVER 4" GRAVEL OR COMPACTED FILL</p>		

WALL FOOTING SCHEDULE					
ID	TYPE	DIMENSIONS			B.O.F. ELEVATIONS
		L	W	D	
1	CONT.	24"	12"	36" (BELOW GRADE)	
2	CONT.			36" (BELOW GRADE)	



FOUNDATION PLAN
SCALE: 3/16" = 1'-0"



60'-0" X 100'-0" ADDITION
DONS AUTOMOTIVE

JOB NUMBER
DAC-92024
DATE
10-25-2024

FOUNDATION PLAN
3

WOOD FRAMING NOTES

- ALL WOOD CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND ERECTED IN ACCORDANCE WITH N.D.S. AND THE LATEST EDITION OF THE AITC TIMBER CONSTRUCTION MANUAL.
- ALL LUMBER SHALL BE MINIMUM NO. 1/ NO.2 SPF UNLESS INDICATED OTHERWISE.
- ALL WOOD IN CONTACT WITH CONCRETE, MASONRY OR GROUND SHALL BE SOUTHERN PINE, PRESSURE TREATED FOR DECAY. RETENTION SHALL BE PER MANUFACTURER'S SPECIFICATIONS FOR THE PARTICULAR USE.
- ALL FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE GALVANIZED WITH A MINIMUM G185 COATING.
- ALL PLYWOOD DESIGNATED ON THE STRUCTURAL DRAWINGS SHALL BE DOUGLAS FIR, CONFORMING TO THE LATEST NATIONAL BUREAU OF STANDARDS "U.S. PRODUCT STANDARDS PS 1". PLYWOOD SHALL BE GRADE STAMPED CDX WITH EXTERIOR GLUE AND PANEL INDEX 24/16, UNLESS NOTED OTHERWISE.
- STRUCTURAL PLYWOOD SHALL CONFORM TO U.S. PRODUCT STANDARD PS 1-83. STRUCTURAL USE PANELS SHALL CONFORM TO NER-108 (APA PRP-108). A.P.A. GRADE STAMP SHALL BE PROVIDED ON ALL SHEATHING. ROOF AND FLOOR SHEATHING AND SHEAR WALL PANELS SHALL BE IN PLACE AND INSPECTED BY THE BUILDING OFFICIAL PRIOR TO COVERING. INSTALL WITH FACE GRAIN ACROSS SUPPORTS EXCEPT WHERE NOTED ON PLANS OR DETAILS. PROVIDE GAPS AT ALL EDGES AS SPECIFIED BY A.P.A.
- PLYWOOD SHALL BE A.P.A. PERFORMANCE STAMPED, AS SPECIFIED ABOVE, GRADE STAMPED C-D, EXPOSURE.
- ALL GLUE LAMINATED MEMBERS AS SHOWN ON PLANS SHALL BE IN ACCORDANCE WITH A.N.S.I. A190.1, A.I.T.C. OR A.P.A. INSPECTION CERTIFICATES SHALL BE FURNISHED WITH EACH BEAM. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW.
- NO WOOD MEMBER SHALL BE CUT, NOTCHED OR BORED, EXCEPT AS DETAILED OR PERMITTED BY THIS CODE.
- ALL TOPS OF COLUMNS AND WALLS SHALL BE ADEQUATELY BRACED UNTIL THE ROOF SHEATHING IS COMPLETELY NAILED IN PLACE.
- MAXIMUM STUD HEIGHT AND SPACING PER OBC 2024, TABLE 2308.5.1
MAXIMUM CEILING JOIST SPANS SHALL BE PER OBC SPAN TABLES. PROVIDE BLOCKING AT 8'-0" O.C.
- BUILDING DEPARTMENT INSPECTION OF THE ROOF AND FLOOR SYSTEMS IS REQUIRED PRIOR TO PLACING ANY MATERIAL ON OR SUSPENDING ANY LOADS FROM THE ROOF OR FLOOR SYSTEMS.
- FRAMING HARDWARE SHALL BE SIMPSON "STRONG TIE" OR EQUAL. U.N.O. SUBSTITUTIONS SHALL BEAR I.C.B.O. APPROVAL. ALL FLUSH WOOD TO WOOD CONNECTORS SHALL BE MADE WITH "SIMPSON" METAL HANGERS AS FOLLOWS, UNLESS NOTED OTHERWISE:

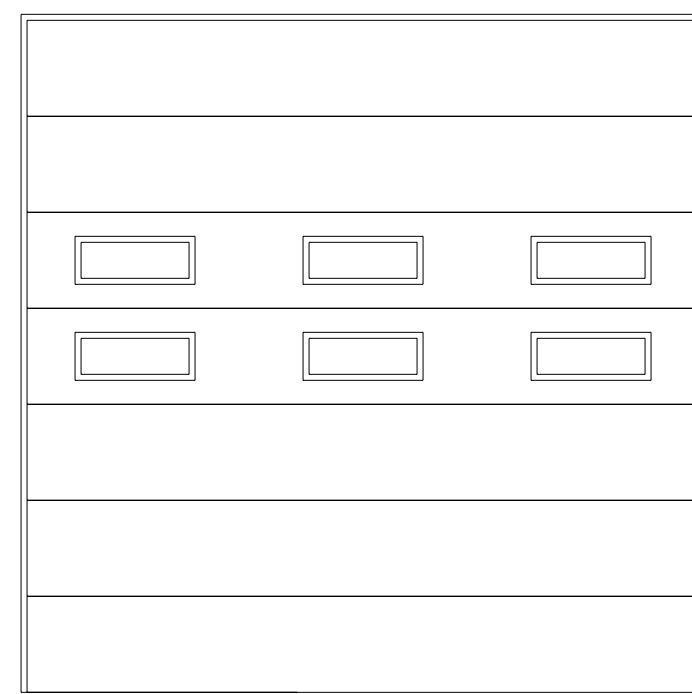
2 X 4, 6 AND 8 MEMBERS	= "U" SERIES
2 X 10, 12, 14, AND 16 MEMBERS	= "HU" SERIES
4 X 4 AND LARGER	= "HUTP" SERIES
POST TO BEAM MEMBERS	= "PC" SERIES
- FASTENING - UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE QUANTITY AND SIZE OF FASTENERS CONNECTING WOOD FRAME MEMBERS TOGETHER AND SHEATHING MATERIALS TO WOOD FRAME MEMBERS SHALL NOT BE LESS THAN THAT SPECIFIED IN THE OBC 2024, TABLE 2304.10.1, AND PER MANUFACTURERS SPECIFICATIONS.
 - ALL NAILS EXPOSED TO THE WEATHER SHALL BE GALVANIZED.
 - TOE NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES TO THE PIECE SURFACE AND BE STARTED AT 1/3 THE LENGTH OF THE NAIL FROM THE EDGE OF THE PIECE.
- WOOD SCREWS SHALL BE IN CONFORMANCE WITH A.N.S.I. B18.6.1.
- BOLTS AND LAG SCREWS SHALL CONFORM TO A.N.S.I. B18.2.1. ALL BOLTS THROUGH WOOD SHALL HAVE STANDARD CUT WASHERS EXCEPT WHERE METAL SIDE PLATES ARE SPECIFIED. BOLT HOLES SHALL BE BORED 1/32" TO 1/16" LARGER THAN THE BOLT DIAMETER, UNLESS NOTED OTHERWISE. ALL BOLTS SHALL BE RETIGHTENED PRIOR TO APPLICATION OF PLASTER, PLYWOOD, ETC.

GENERAL DOOR NOTES (ALL DOORS)

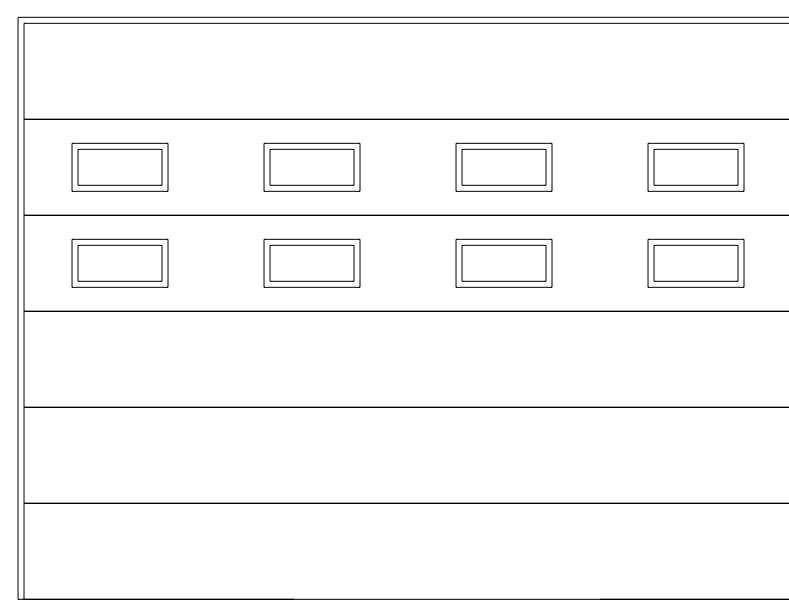
- LEVEL SURFACE ON EACH SIDE OF DOOR (PER OBC 1008.1.5)
- DOOR THRESHOLD MUST NOT EXCEED 1/2" IN HEIGHT (PER OBC 1008.1.7)
- MINIMUM DOOR WIDTH SHALL BE 32" CLEAR (PER OBC 1008.1.1)
- ALL EGRESS DOORS MUST BE READILY OPERABLE FROM EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT AND HARDWARE USED REQUIRED TO BE ACCESSIBLE BY OBC CHAPTER 11 SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. (PER OBC SECTION 1010.1.9)
- ALL NEW DOORS MUST HAVE LEVER TYPE HANDLES (PER OBC SECTION 1010.1.9.1)
- UNLATCHING OF ANY DOOR OR LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION PER OBC 1010.1.9.5.
- ALL GLASS IN DOORS MUST BE SAFETY GLASS (PER OBC SECTION 2406.4)

DOOR / WINDOW SCHEDULE & NOTES				HARDWARE			
1. ALL DOOR HARDWARE SHALL MEET A.D.A REQUIREMENTS 2. ALL HOLLOW METAL FRAMES TO HAVE MITERED CORNERS 3. DOORS SHALL BE READILY OPERABLE FROM EGRESS SIDE W/O THE USE OF KEY OR SPECIAL KNOWLEDGE WHEN BUILDING IS IN USE. 4. DOOR HANDLE SHALL BE A HANDICAP ACCESSIBLE TYPE LEVER. 5. SECURITY ALARM CONTACT SWITCHES SHALL BE RECESSED INTO THE TOP OF THE DOOR AND HOLLOW METAL FRAME ABOVE. 6. ALL DOOR GLASS MUST BE TEMPERED PER CHAPTER 24 OBC (2024)							
NO.	SIZE	DOOR / WINDOW	MATERIAL	FRAME	THRESH.	3-HR FIRE RATED	LEVER HANDLE PER CHAP 10 OBC(2017)
D1	14'-0" x 14'-0" INSULATED	OVERHEAD DOOR	METAL	METAL		*	*
D2	12'-0" x 12'-0" INSULATED	OVERHEAD DOOR	METAL	METAL		*	*
D3	12'-0" x 12'-0" 3-HR FIRE RATED	ROLLUP DOOR	METAL	METAL		*	*
D4	3'-0" x 6'-8" x 1 3/4" HALF GLASS	STANDARD STEEL ENTRY	METAL	METAL		*	*
D5	6'-0" x 6'-8" x 1 3/4" NO GLASS	STANDARD STEEL ENTRY	METAL	METAL		*	*
D6	6'-0" x 6'-8" x 1 3/4" 3-HR FIRE RATED	STANDARD STEEL ENTRY	METAL	METAL		*	*
W1	7'-0" x 2'-0" WINDOW	TRANSOM WINDOW	VINYL				

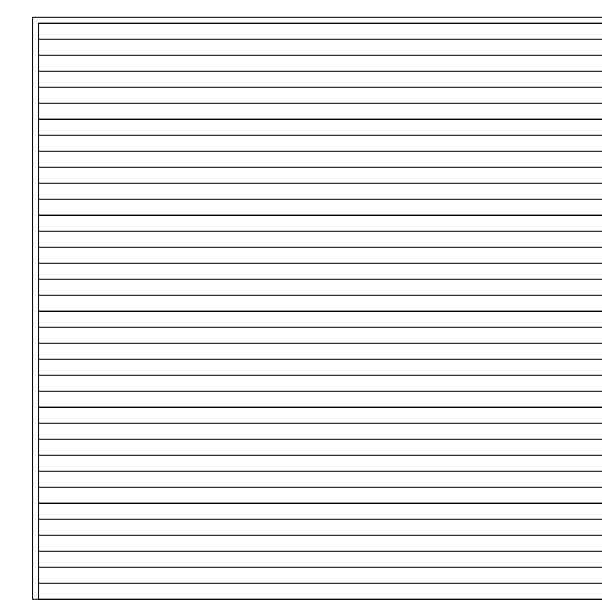
* CONTRACTOR TO VERIFY DOOR & WINDOW ROUGH OPENINGS, STYLE, COLOR & QUANTITIES WITH OWNER PRIOR TO ORDERING AND INSTALLATION.



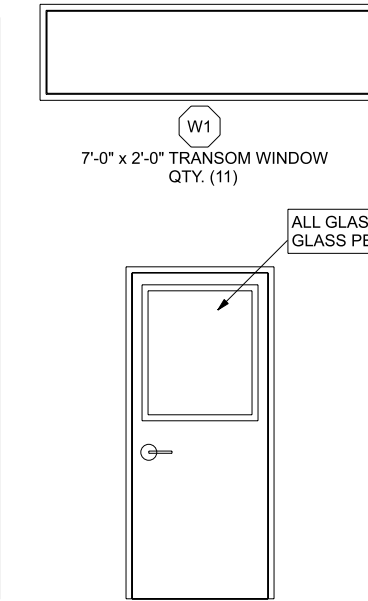
D1 14'-0" x 14'-0" OVERHEAD DOOR QTY: (2)



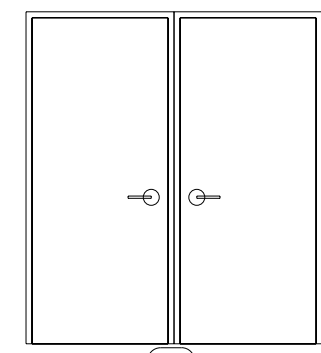
D2 12'-0" x 12'-0" OVERHEAD DOOR QTY: (1)



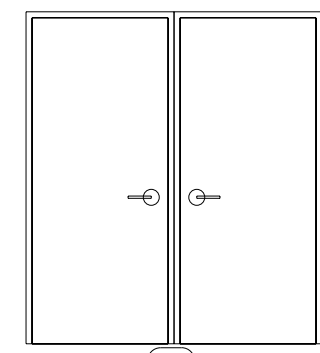
D3 12'-0" x 12'-0" ROLLUP DOOR 3-HR FIRE RATED QTY: (1)



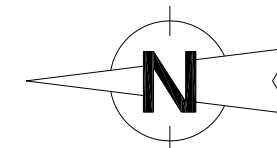
D4 3'-0" x 6'-8" EXTERIOR DOOR QTY: (1)



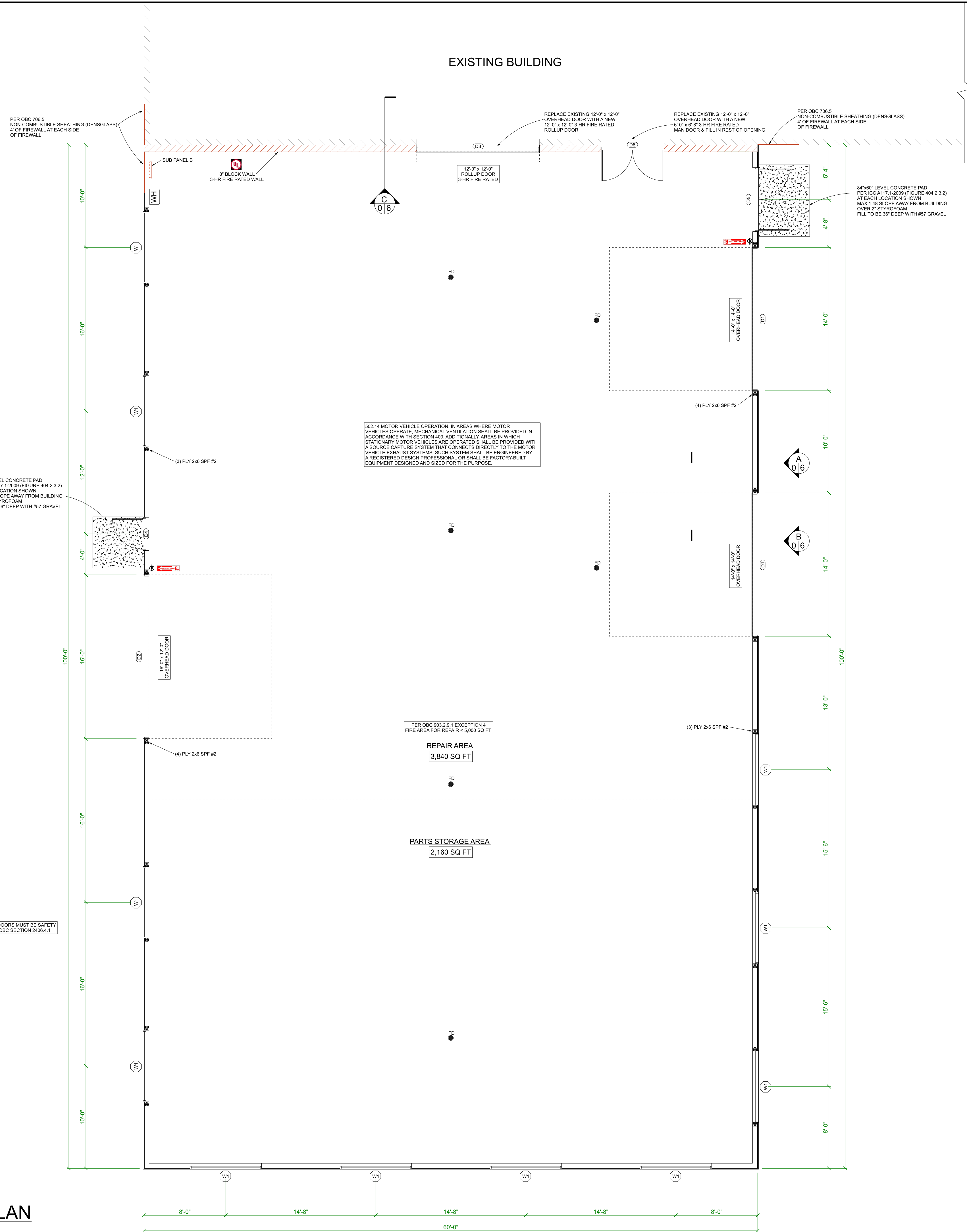
D5 6'-0" x 6'-8" EXTERIOR DOOR QTY: (1)



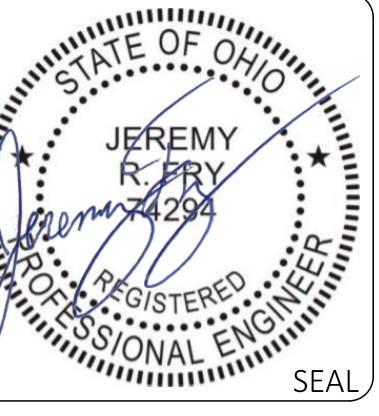
D6 6'-0" x 6'-8" EXTERIOR DOOR 3-HR FIRE RATED QTY: (1)



FLOOR PLAN
SCALE: 3/16" = 1'-0"



EXISTING BUILDING



60'-0" x 100'-0" ADDITION
DONS AUTOMOTIVE

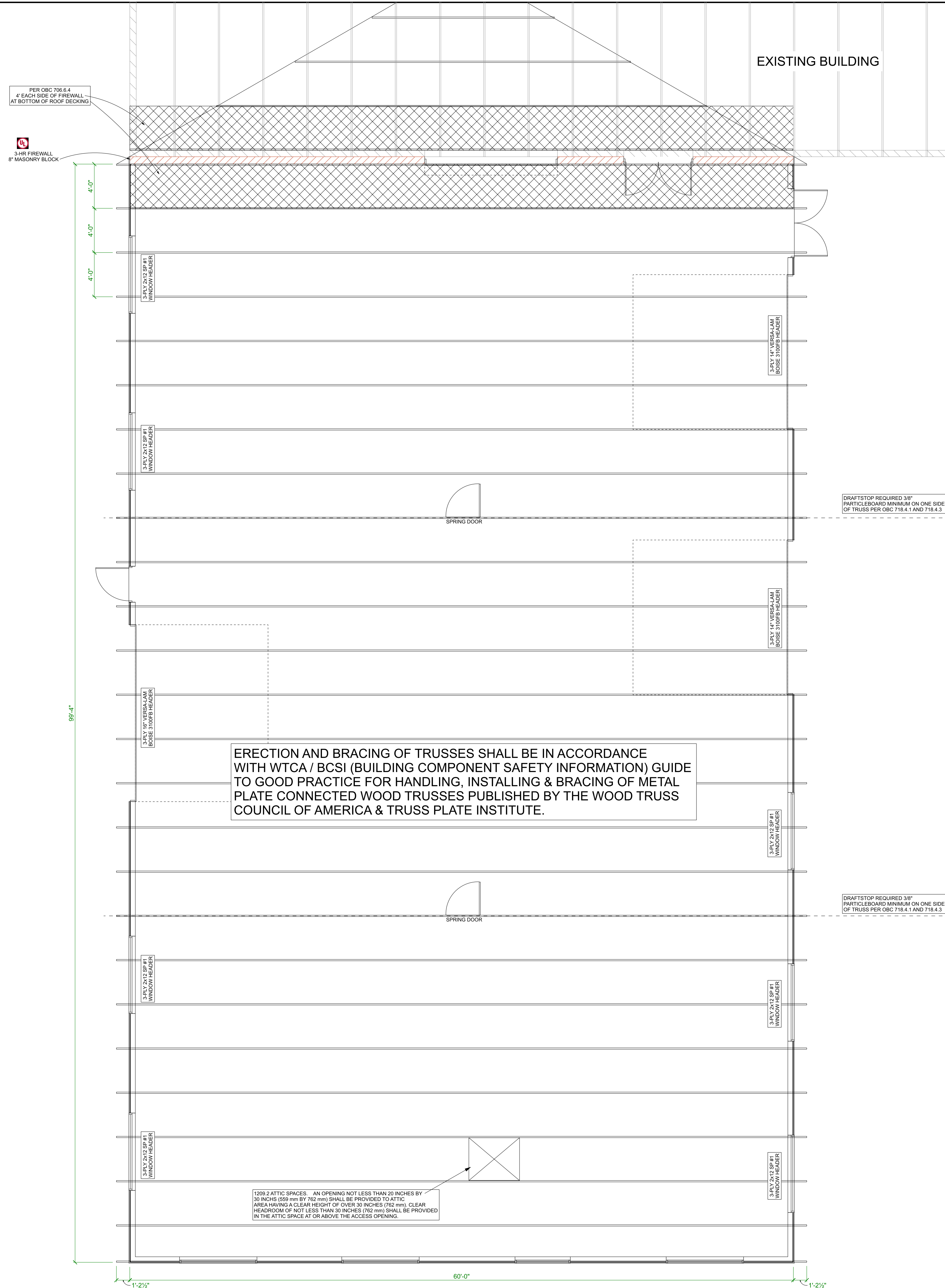
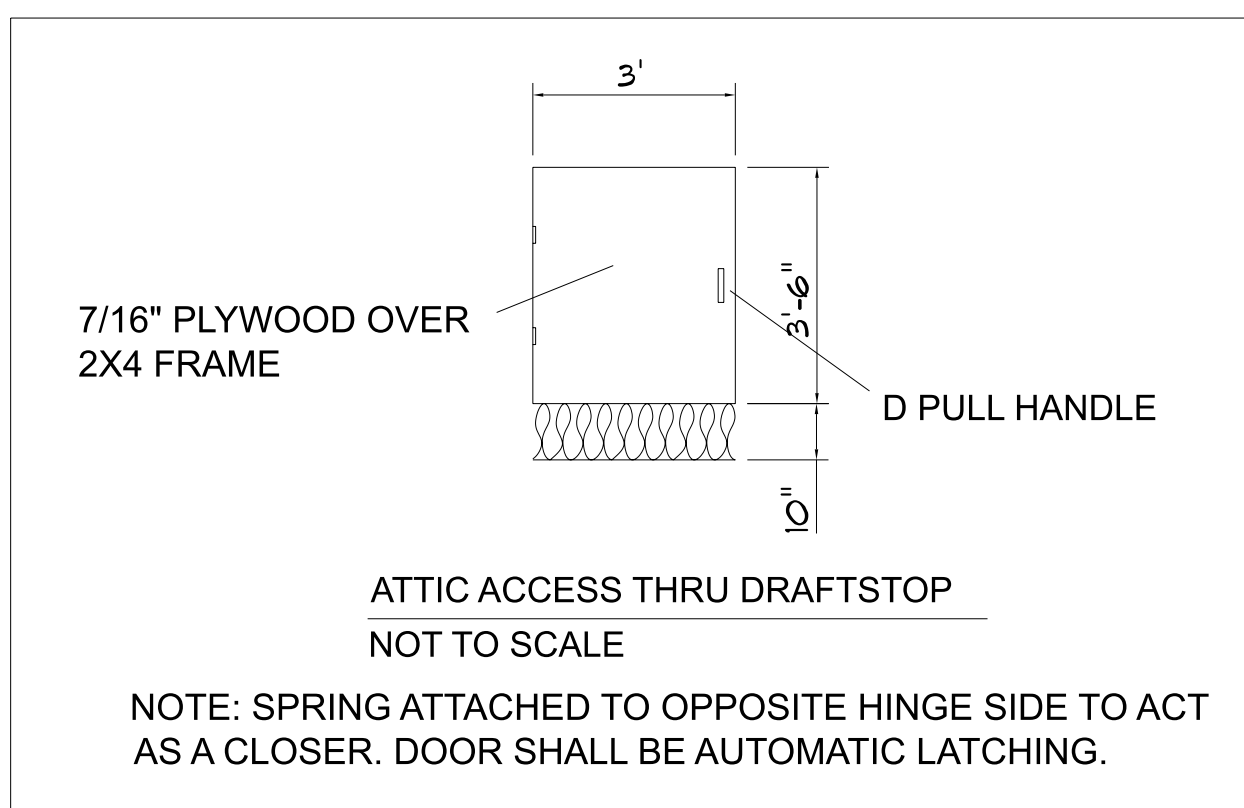


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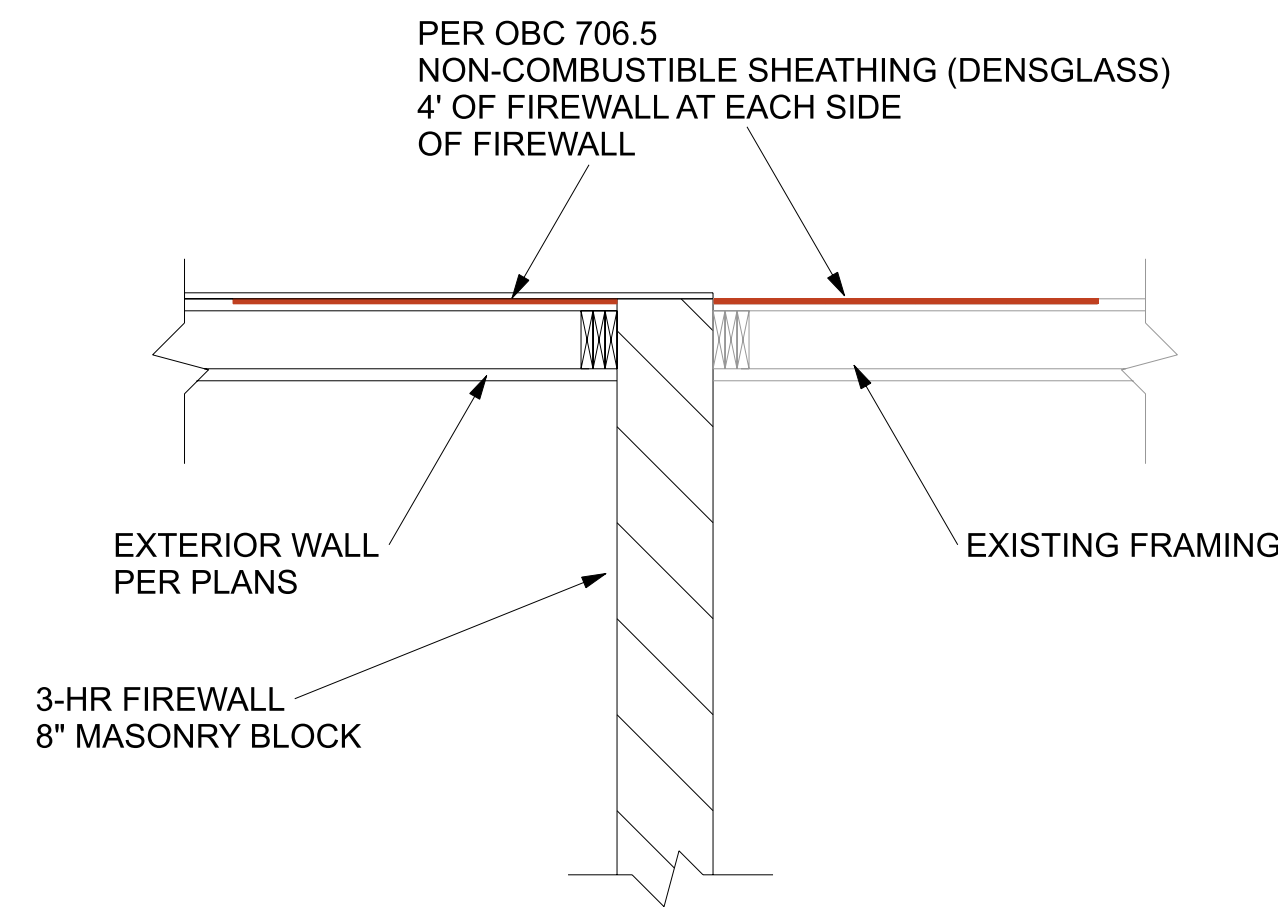
FLOOR PLAN
4

ROOF FRAMING NOTES

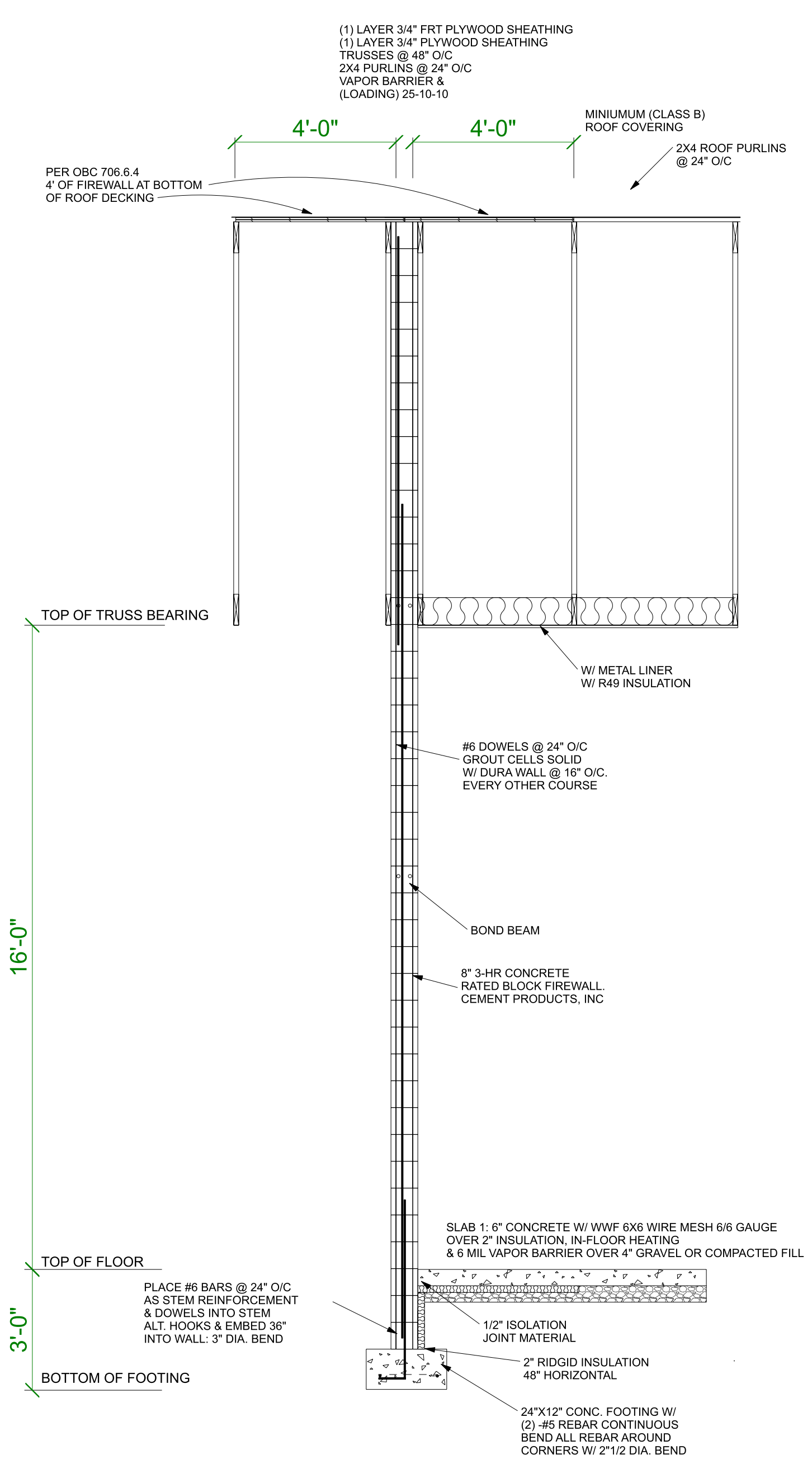
1. ALL ENGINEERED TRUSS DESIGNS SHALL BEAR THE NAME AND SEAL AND/OR REGISTRATION NUMBER OF A LICENSED PROFESSIONAL ENGINEER.
2. COPIES OF THE TRUSS DESIGNS AND/ OR SHOP DRAWINGS SHALL BE SUBMITTED TO THE PROJECT ENGINEER OF RECORD FOR APPROVAL PRIOR TO THE FABRICATION OF ANY COMPONENTS.
3. THE DESIGN AND FABRICATION CRITERIA OF ALL WOOD TRUSSES SHALL CONFORM TO ANSI/TPI 1-2022 AND THE NATIONAL DESIGN SPECIFICATIONS, SPECIFICALLY "NATIONAL DESIGN SPECIFICATIONS FOR STRESS-GRADE LUMBER AND ITS FASTENINGS" BY THE NATIONAL FOREST PRODUCTS ASSOCIATION INSTITUTE OF TIMBER CONSTRUCTION (LATEST REVISION), AND "DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES", BY THE TRUSS PLATE INSTITUTE (LATEST REVISION), THE SAME AS IF THOSE SPECIFICATIONS AND
4. TRUSS SHOP DRAWINGS SHALL INDICATE THE MINIMUM INFORMATION INCLUDED IN ANSI/TPI-1-2022 INCLUDING THE REQUIRED LOCATION OF PERMANENT WEB BRACING. TRUSS DESIGNS SHALL CONTAIN THE FOLLOWING DESIGN AND FABRICATION DATA:
 - A. DESIGN LOADINGS OF TRUSSES AND ALLOWABLE STRESS INCREASE; FORCE ANALYSIS OR BAR FORCES IN EACH MEMBER.
 - B. LUMBER SPECIFICATIONS: PITCH, SPAN, AND SPACING OF TRUSSES; SPECIES AND STRESS GRADES OF LUMBER TO BE USED AS MEMBERS
 - C. METAL CONNECTORS: GAUGE THICKNESS, NOMINAL SIZES AND LOCATIONS OF CONNECTORS AT ALL JOINTS.
 - D. TRUSS BEARING SUPPORTS:
 - 1.) SIZES AND LOCATION, TYPE(S)
 - 2.) TRUSS-TO-TRUSS AND TRUSS-TO-BEAM CONNECTIONS SHALL BE SPECIFIED BY THE TRUSS DESIGN ENGINEER
 - E. PERMANENT BRACING AND/OR BRIDGING - AS REQUIRED TO PREVENT COMPRESSION BUCKLING OF INDIVIDUAL TRUSS
 - 1.) PERMANENT TOP CHORD BRACING SHALL BE ACCOMPLISHED WITH SHEATHING OR PROPERLY ATTACHED PURLINS AND METAL ROOFING.
- 2.) PERMANENT BOTTOM CHORD BRACING SHALL BE ACCOMPLISHED WITH:
 - a.) RIGID CEILING DIRECTLY APPLIED OR
 - b.) PROPERLY ATTACHED LATERAL BRACES, NOT TO EXCEED 10'-0"
 - c.) LATERAL BRACING SHALL BE RESTRAINED AT EACH END AND AT 20'-0" INTERVALS WITH DIAGONAL BRACING.
- 3.) PERMANENT WEB BRACING:
 - a.) LATERAL BRACING SHALL BE LOCATED AS SPECIFIED BY THE TRUSS DESIGNER AND SHOWN ON THE ENGINEERED TRUSS DRAWINGS.
 - b.) DIAGONAL BRACING, FASTENED TO THE SAME MEMBERS AS THE LATERAL BRACING, BUT ON THE OPPOSITE EDGE, TO BE SPACED NOT MORE THAN 20'-0" BETWEEN BRACING EXTREMITIES OVER THE LENGTH OF THE BUILDING.
- 4.) ALL BRACING MEMBERS ARE TO BE OF MINIMUM 2X4 LUMBER AND FASTENED WITH A MINIMUM OF TWO 16d NAILS IN EACH TRUSS UNLESS OTHERWISE SPECIFIED.
- 5.) T-BRACES MAY BE USED IN PLACE OF LATERAL AND DIAGONAL BRACES. T-BRACES SHALL BE 2X4 IF ONE LATERAL BRACE IS REQUIRED, OR 2X6 IF TWO LATERAL BRACES ARE REQUIRED. A T-BRACE MUST RUN THE FULL LENGTH OF A WEB AND BE NAILED AT 12 INCHES ON CENTER.
- F. ERECTION AND BRACING OF TRUSSES SHALL BE IN ACCORDANCE WITH WTCA / BCSI (BUILDING COMPONENT SAFETY INFORMATION) GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES PUBLISHED BY THE WOOD TRUSS COUNCIL OF AMERICA & TRUSS PLATE INSTITUTE.



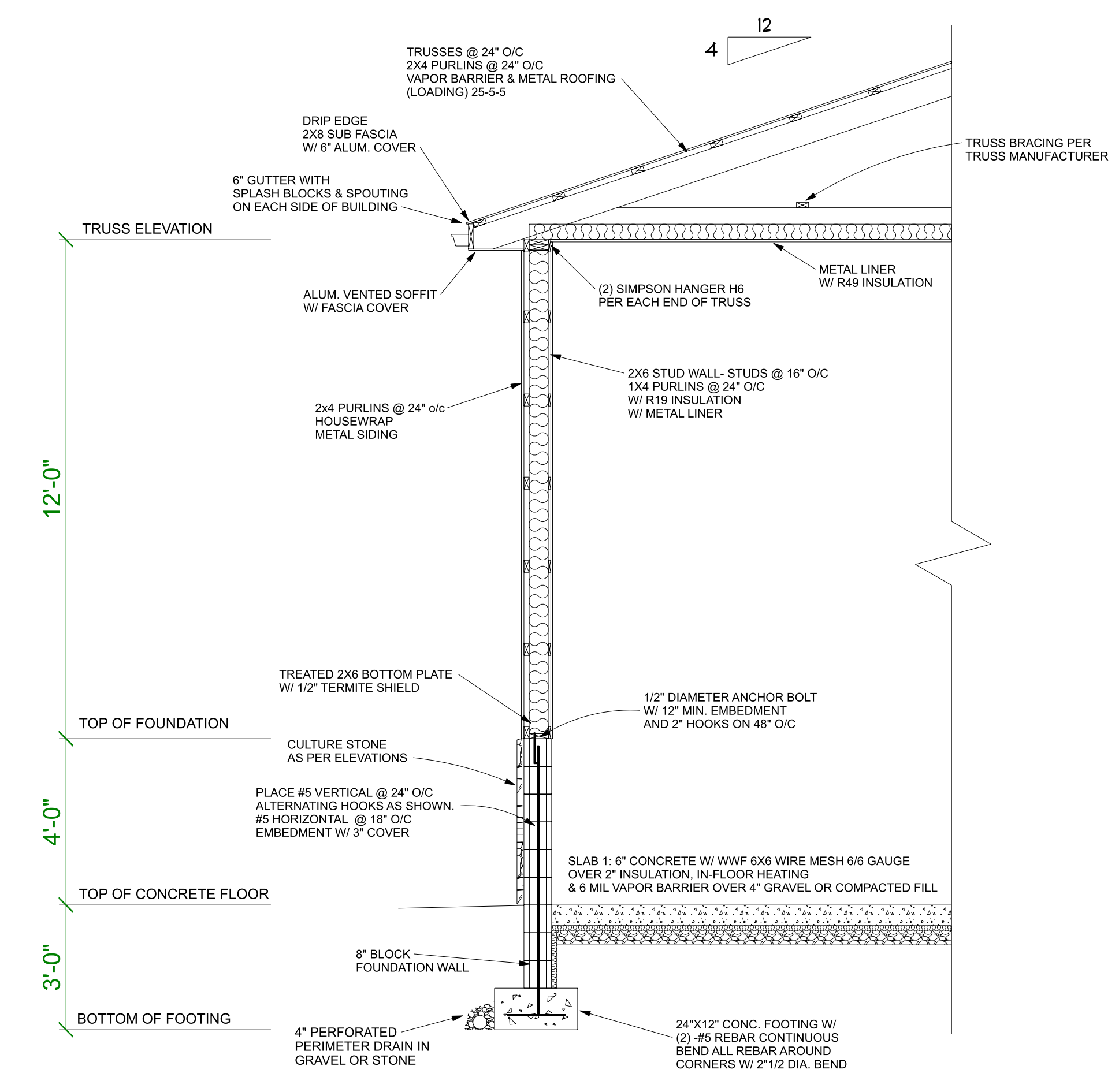
ROOF PLAN
 SCALE: 3/16" = 1'-0"



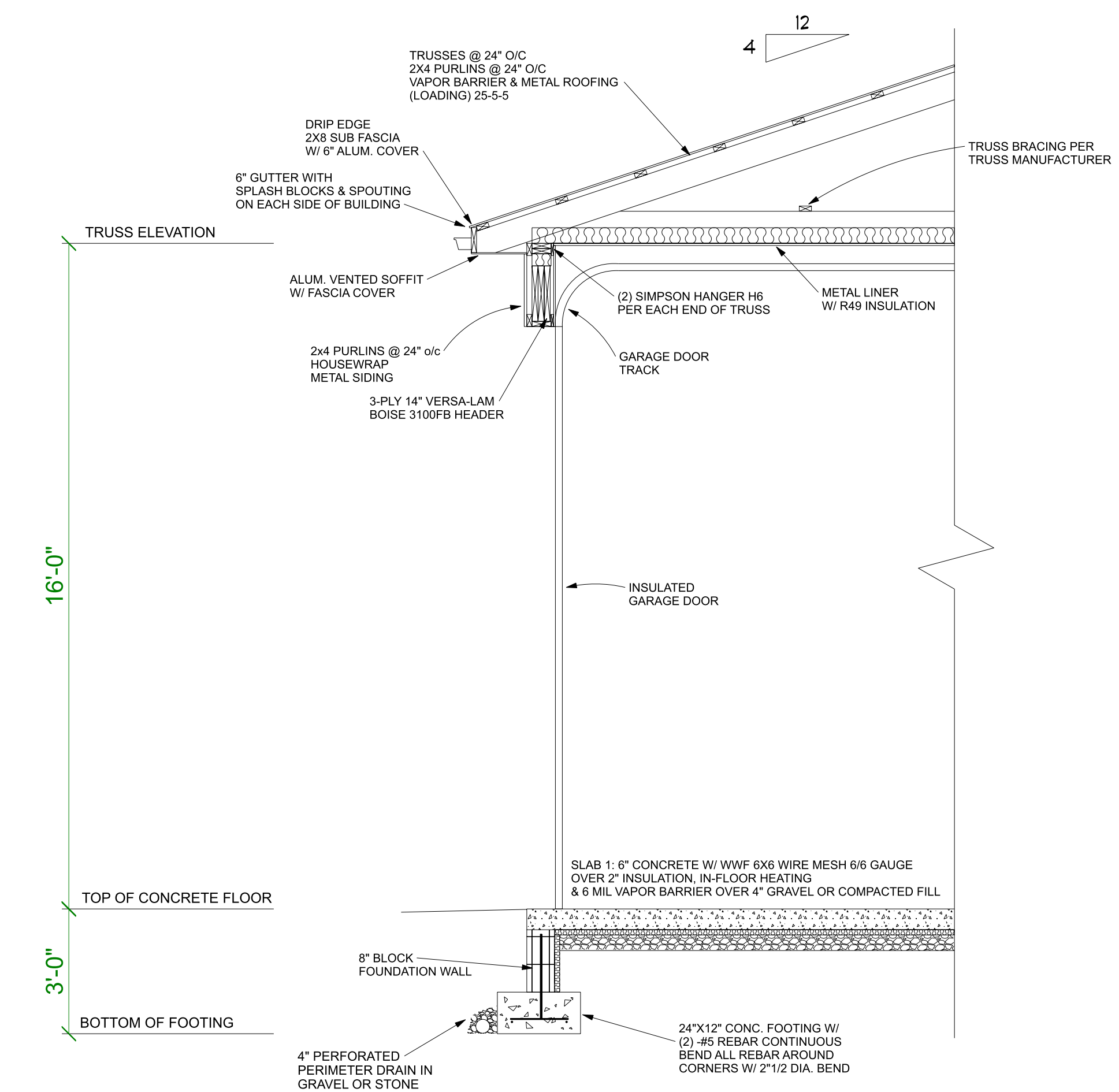
END OF FIRE WALL TOP VIEW
SCALE: 1" = 15'



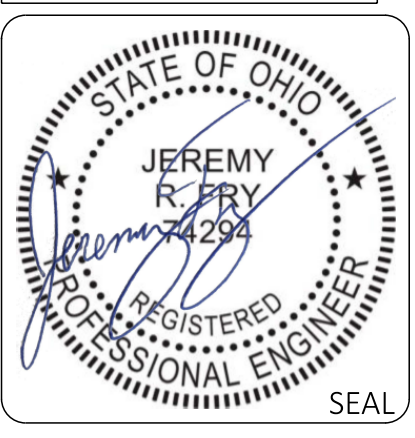
WALL SECTION -C
SCALE: 3/8" = 1'-0"



WALL SECTION -A
SCALE: 3/8" = 1'-0"



WALL SECTION -B
SCALE: 3/8" = 1'-0"

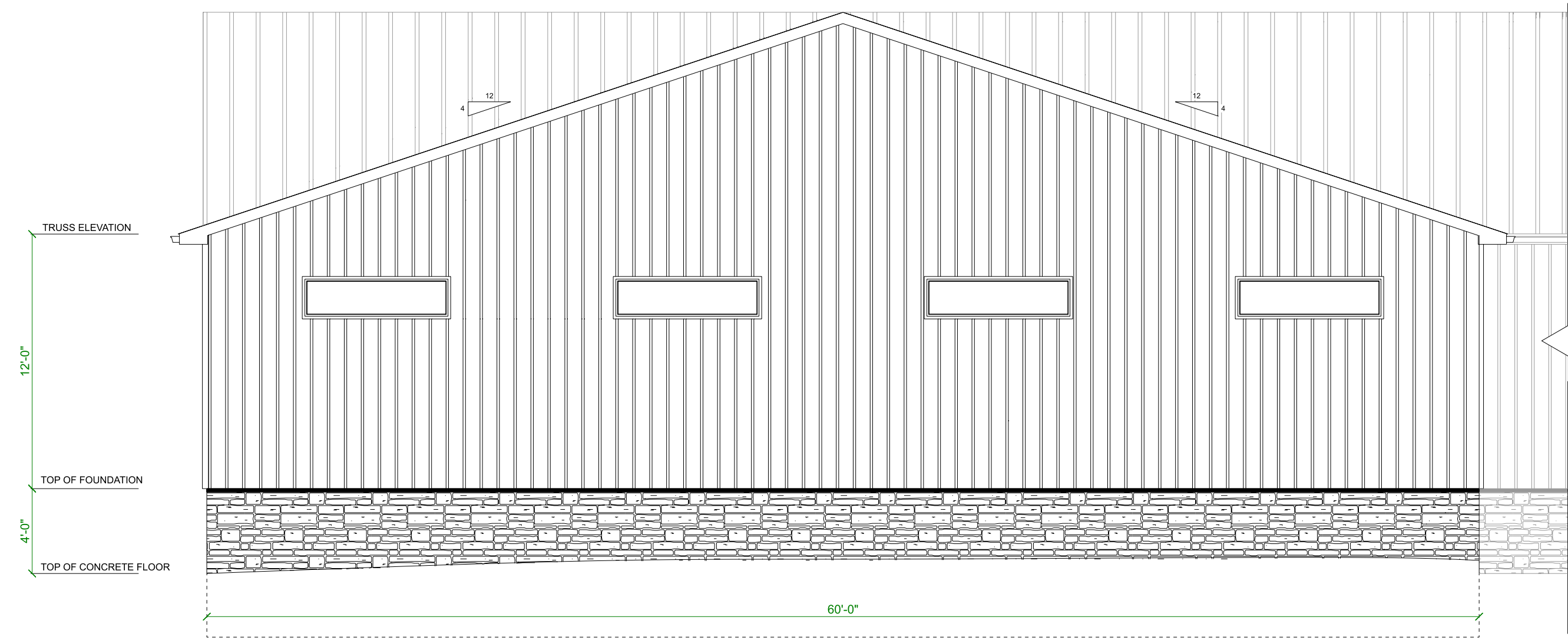


60'-0" X 100'-0" ADDITION
DONS AUTOMOTIVE

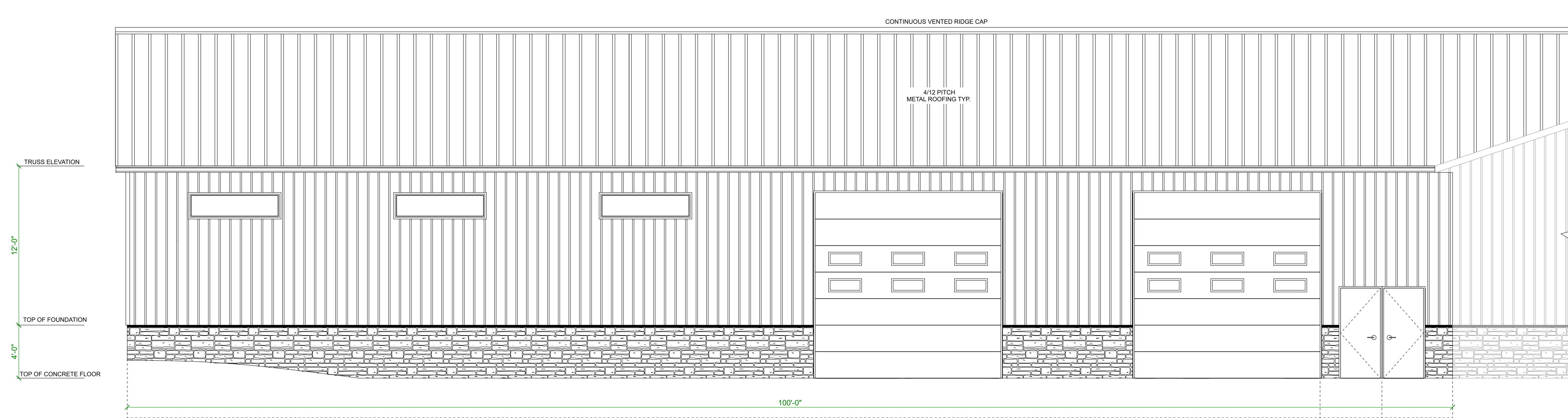


JOB NUMBER
DAC-92024
 DATE
10-25-2024

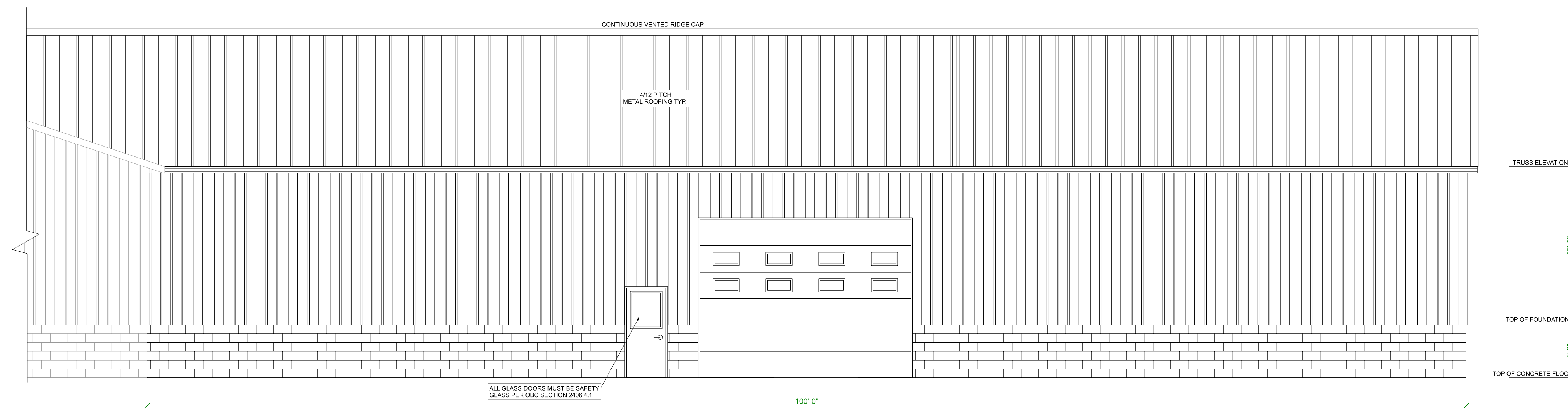
WALL SECTIONS
6



WEST ELEVATION
SCALE: 3/16" = 1'-0"



SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



NORTH ELEVATION
SCALE: 3/16" = 1'-0"

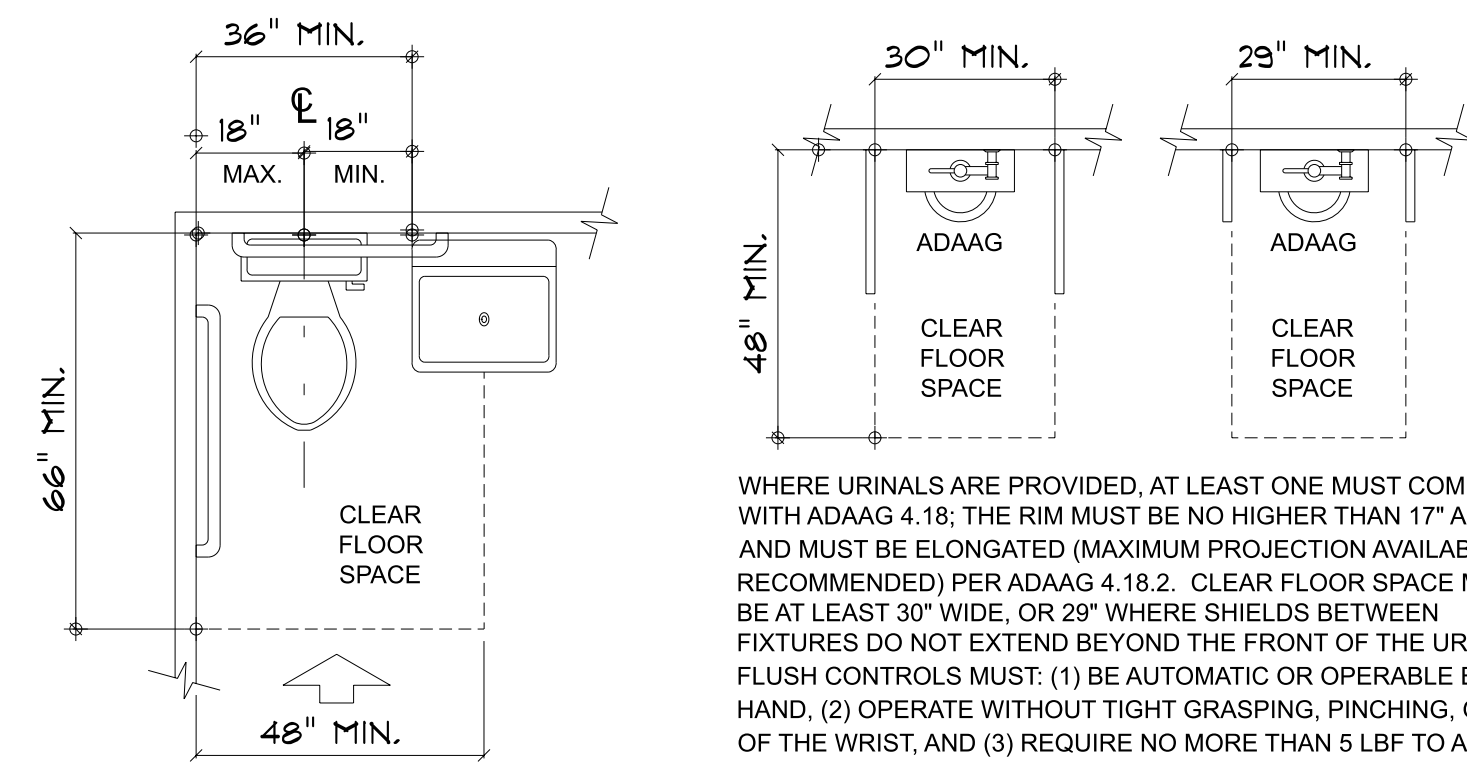


60'-0" X 100'-0" ADDITION
DONS AUTOMOTIVE



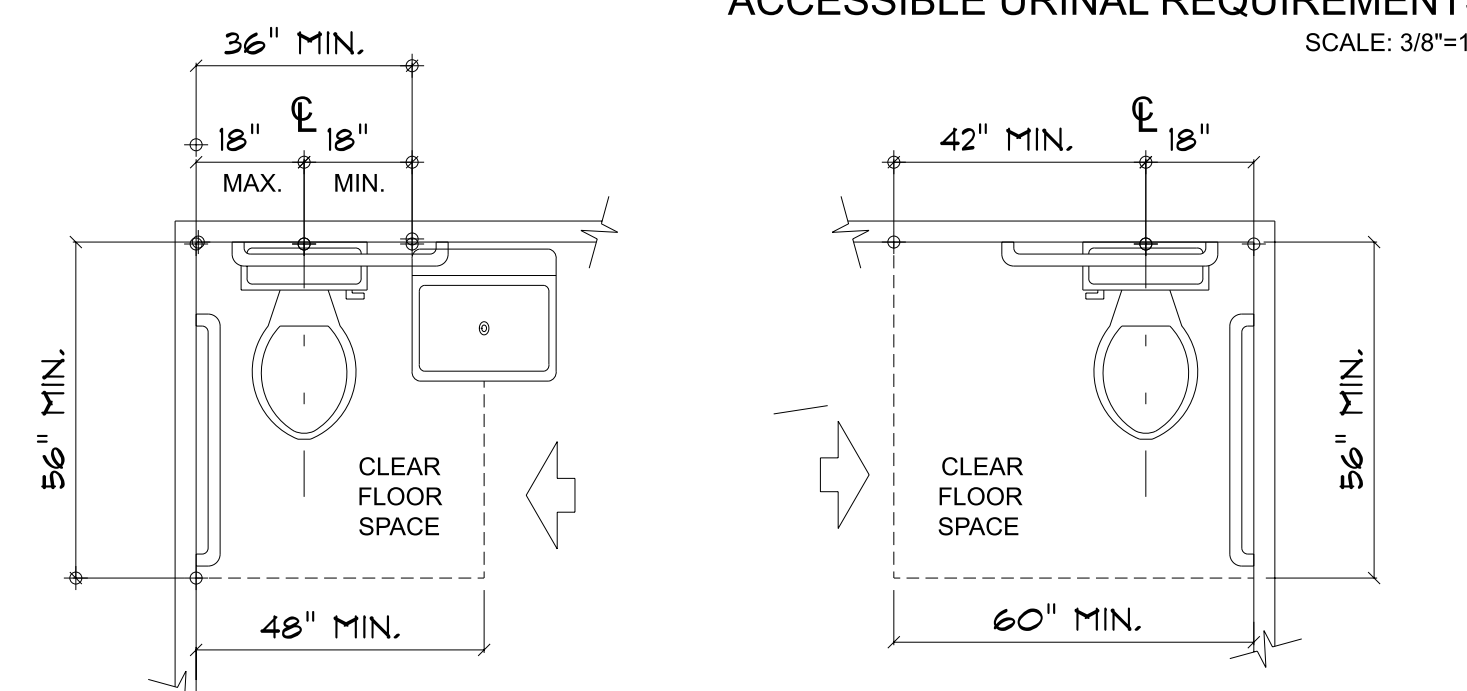
JOB NUMBER
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ELEVATIONS
7



WHERE URINALS ARE PROVIDED, AT LEAST ONE MUST COMPLY WITH ADAAG 4.18. THE RIM MUST BE NO HIGHER THAN 17" A.F.F., AND MUST BE ELONGATED (MAXIMUM PROJECTION AVAILABLE RECOMMENDED) PER ADAAG 4.18.2. CLEAR FLOOR SPACE MUST BE AT LEAST 30" WIDE, OR 29" WHERE SHIELDS BETWEEN FIXTURES DO NOT EXTEND BEYOND THE FRONT OF THE URINAL. FLUSH CONTROLS MUST: (1) BE AUTOMATIC OR OPERABLE BY ONE HAND, (2) OPERATE WITHOUT TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST, AND (3) REQUIRE NO MORE THAN 5 LBF TO ACTIVATE.

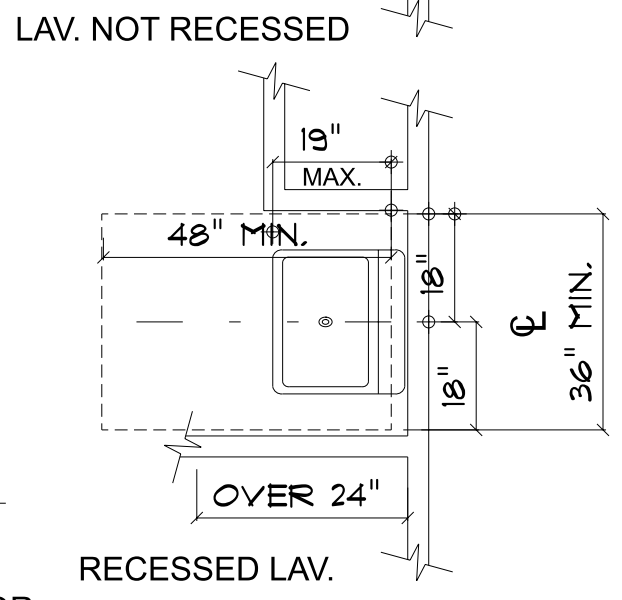
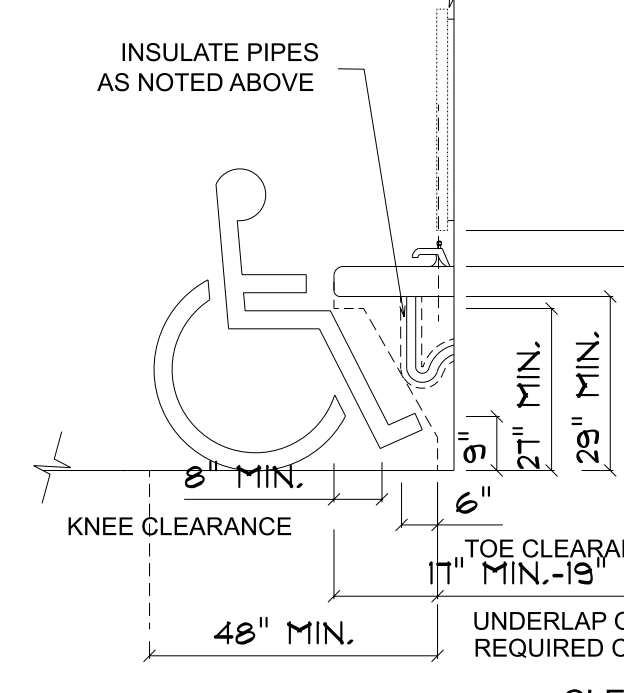
ACCESSIBLE URINAL REQUIREMENTS
SCALE: 3/8"=1'-0"



CLEAR FLOOR SPACE @ WATER CLOSETS
SCALE: 3/8"=1'-0"

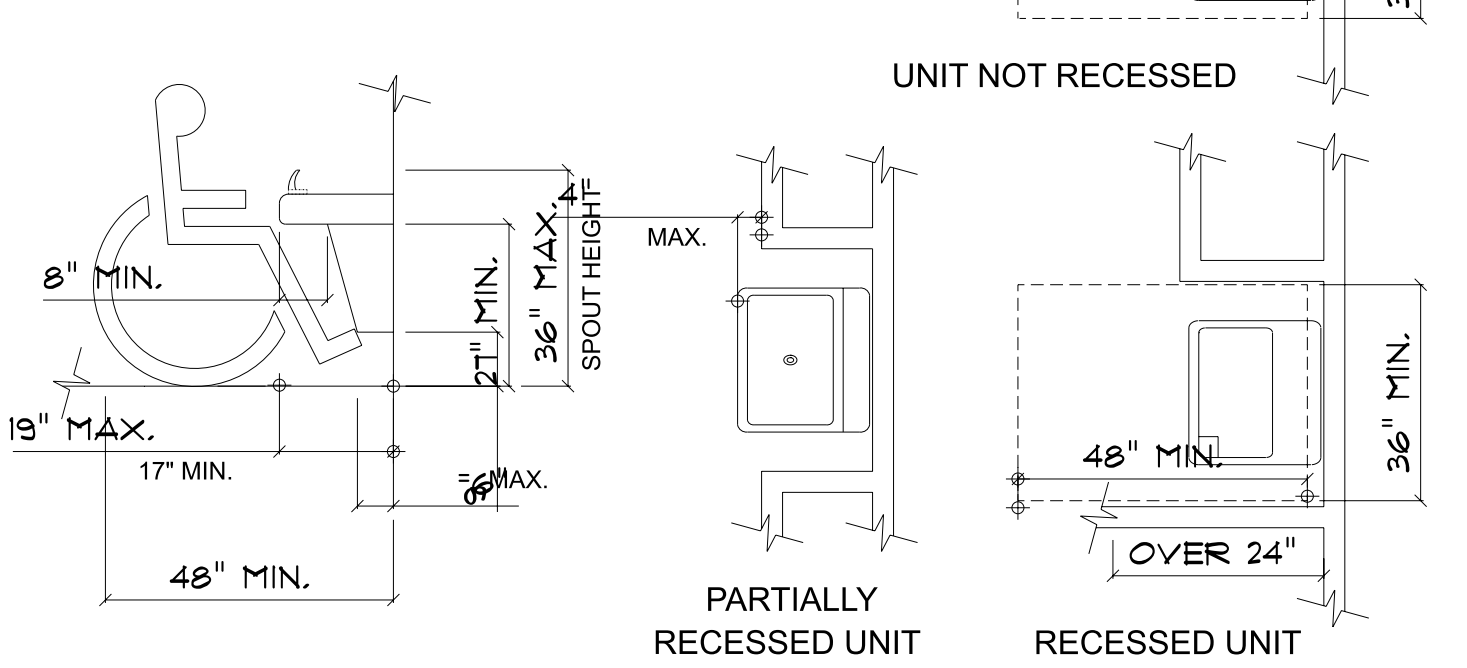
FAUCETS MUST:
1. BE WITHIN REACH RANGE
2. BE AUTOMATIC OR, IF HAND OPERATED, OPERABLE WITH ONE HAND.
3. OPERATE WITHOUT TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
4. REQUIRE NO MORE THAN 5 LBF TO ACTIVATE.

HOT WATER PIPES AND DRAINS UNDER LAVATORIES MUST BE WRAPPED PER REQUIREMENTS OF ADAAG 4.19.4.

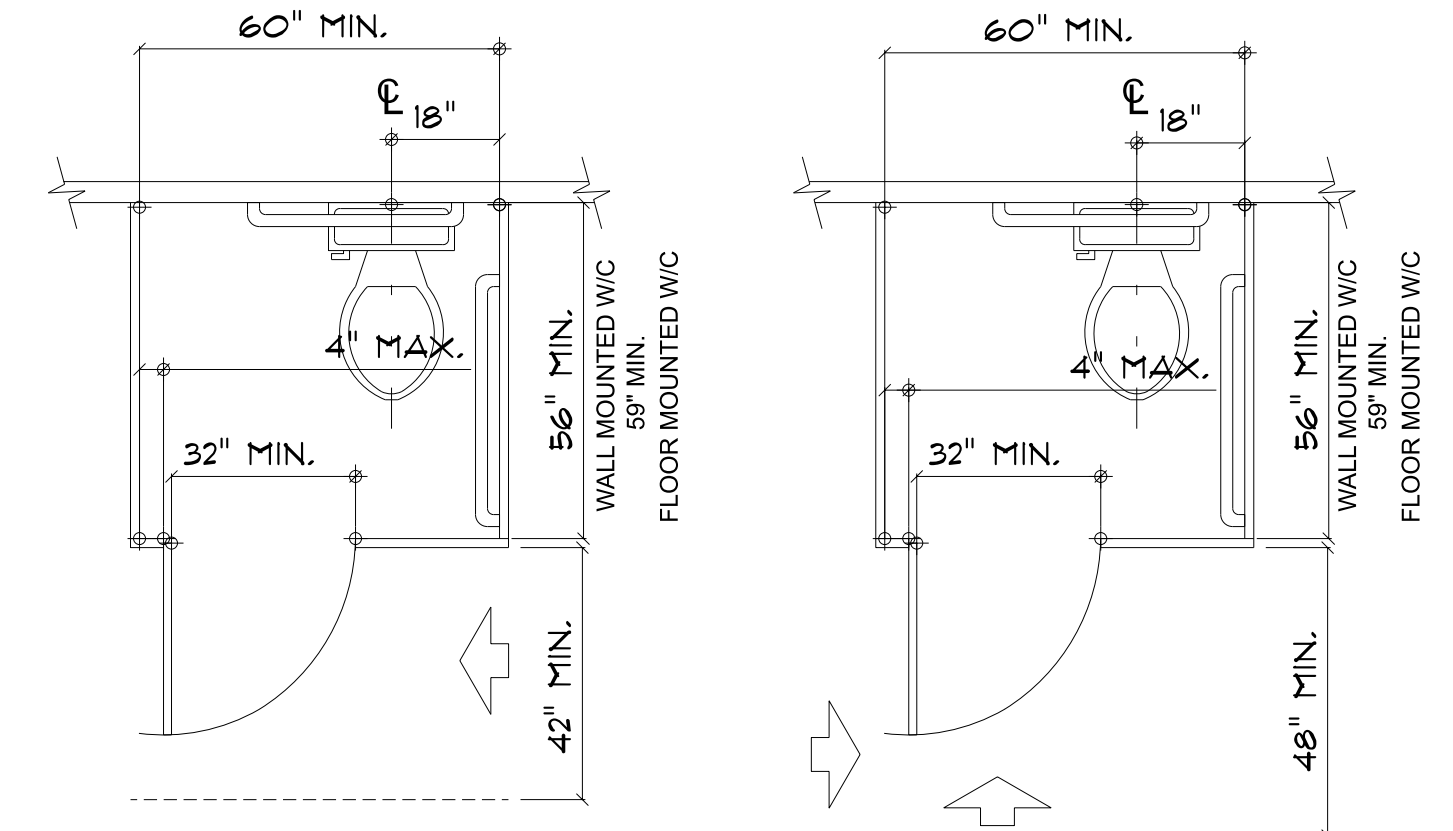


TOILET ROOM LAVATORIES
SCALE: 3/8"=1'-0"

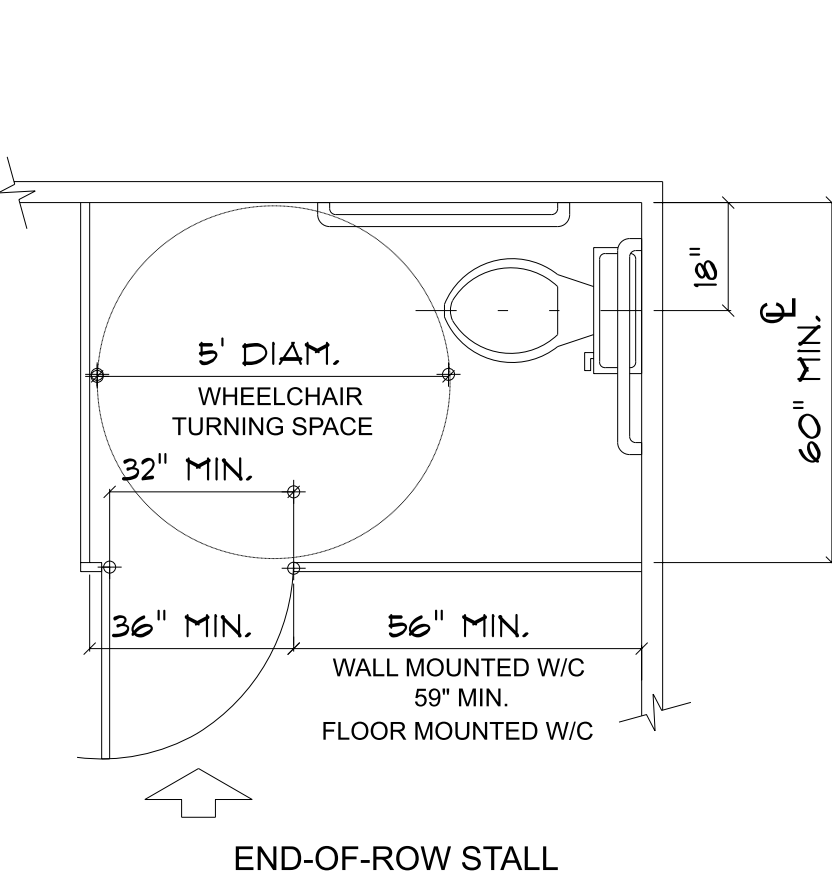
CONTROLS:
1. DRINKING FOUNTAIN & WATER COOLER CONTROLS MUST BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE.
2. UNIT CONTROLS ARE TO BE FRONT MOUNTED OR SIDE MOUNTED NEAR THE FRONT EDGE.



DRINKING FOUNTAINS & WATER COOLERS
SCALE: 3/8"=1'-0"

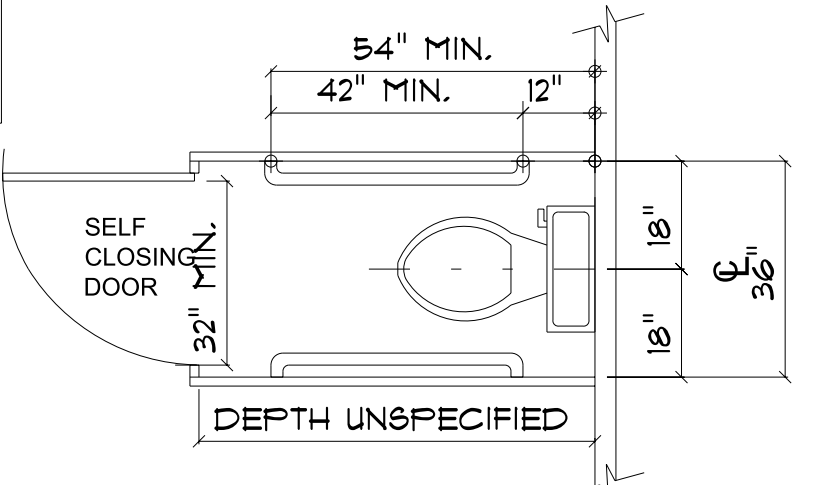


STANDARD ACCESSIBLE STALLS



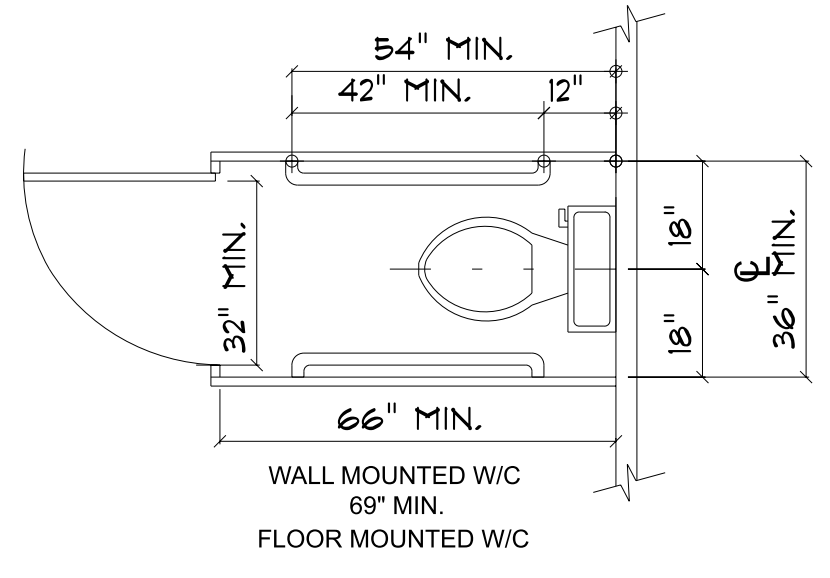
END-OF-ROW STALL

WATER CLOSET FLUSH CONTROL
WATER CLOSET FLUSH VALVE CONTROLS MUST BE MOUNTED NO MORE THAN 44" A.F.F. ON WIDE SIDE OF THE TOILET, WITHIN REACH FROM AVAILABLE CLEAR FLOOR SPACE, PER ADAAG 4.16.5.



AMBULATORY ACCESS (1 of 6)

WHERE 6 OR MORE STALLS ARE PROVIDED (INCLUDING ACCESSIBLE STALLS) IN A TOILET ROOM OR BATHROOM, AT LEAST ONE MUST MEET REQUIREMENTS FOR AMBULATORY ACCESS AS REQUIRED BY ADAAG 4.22.4 AND 4.23.4 THIS STALL IS SPECIFICALLY DESIGNED FOR PEOPLE WHO HAVE DIFFICULTY WALKING OR STANDING FROM A SEATED POSITION. A 36" WIDTH (ABSOLUTE) ALLOWS THE PARALLEL GRAB BARS TO BE USED SIMULTANEOUSLY WHEN CHANGING FROM A STANDING TO A SEATED POSITION AND VICE VERSA. OUT-SWING DOORS PREVENT OBSTRUCTION OF GRAB BARS DURING ENTRY AND SELF-CLOSING HINGES KEEP ONE FROM HAVING TO REACH BACK TO CLOSE THE DOOR WHILE USING GRAB BARS FOR SUPPORT.

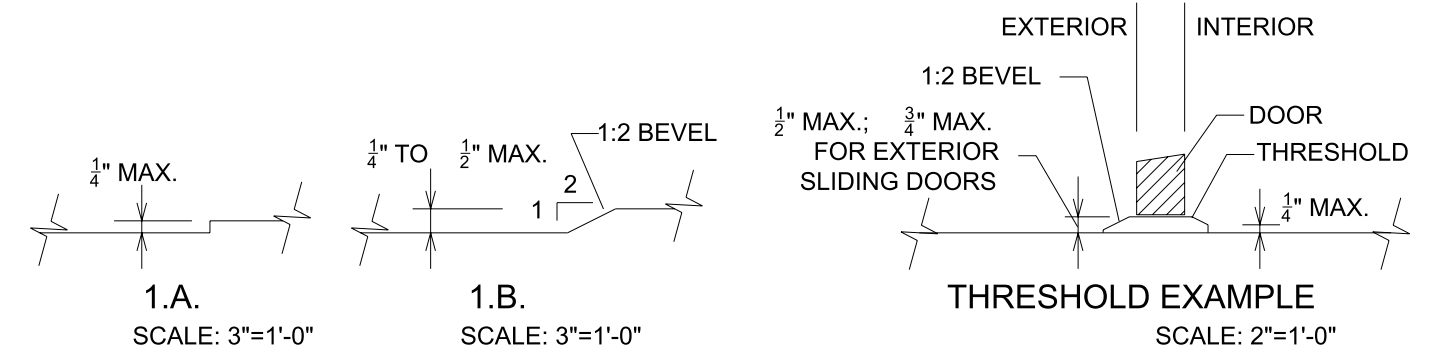


ALTERNATE STALL

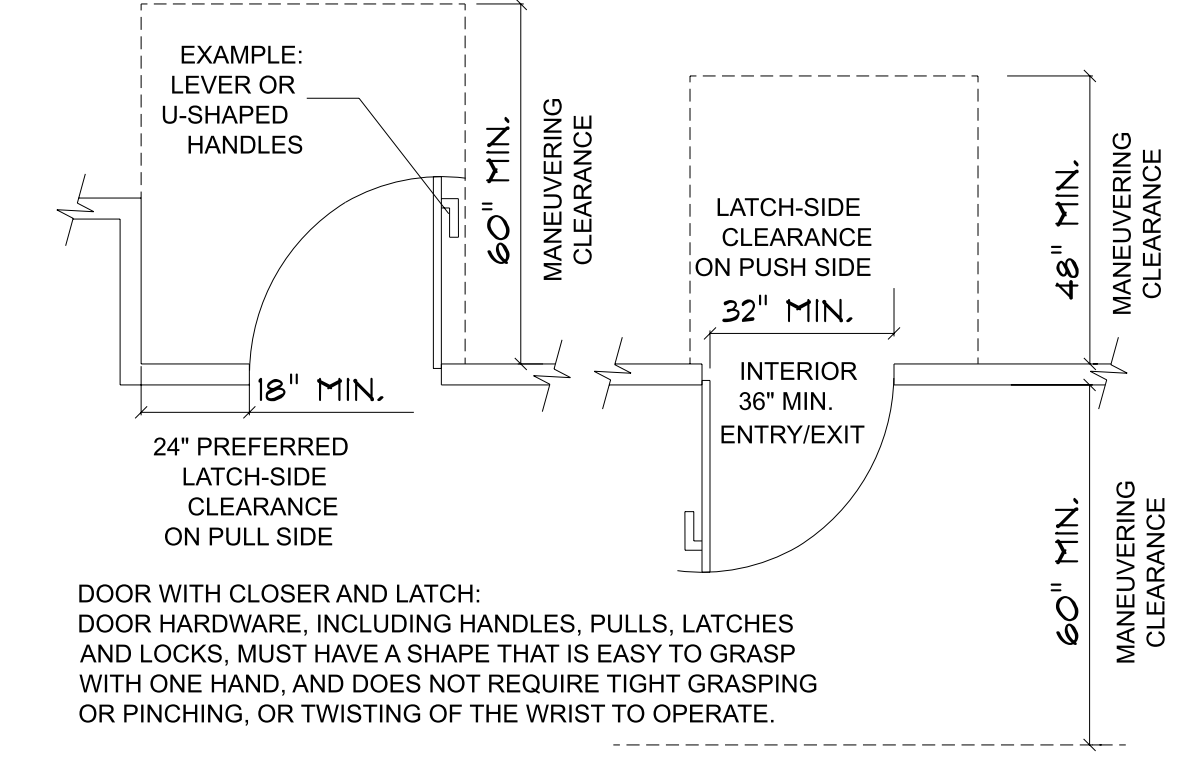
(TECHNICAL INFEASIBILITY - MAY BE SUBSTITUTED FOR THE STANDARD STALL ONLY IN ALTERATIONS WHERE FULL COMPLIANCE WITH REQUIREMENTS FOR A WHEEL CHAIR ACCESSIBLE STALL IS NOT "TECHNICALLY FEASIBLE" OR WHERE LOCAL CODES PROHIBIT REMOVAL OF EXISTING TOILET FIXTURES TO MAKE A STANDARD STALL)

SIZE AND ARRANGEMENT OF WATER CLOSET STALLS
SCALE: 3/8"=1'-0"

ACCESSIBLE ROUTES AND SPACES, INTERIOR AND EXTERIOR:
1. VERTICAL CHANGES IN LEVEL -
A. VERTICAL CHANGES UP TO 1/4" ARE PERMITTED WITHOUT TREATMENT.
B. CHANGES IN LEVEL 1/4" TO 1/2" MUST BE BEVELED WITH A MAXIMUM SLOPE OF 1:2.
C. CHANGES IN LEVEL GREATER THAN 1/2" WHERE SLOPE IS MORE THAN 5% MUST BE TREATED AS A CURB RAMP OR RAMP.
2. SURFACES MUST BE STABLE, FIRM AND SLIP-RESISTANT. SLIP-RESISTANCE SHOULD BE SPECIFIED ACCORDING TO CONDITIONS LIKELY TO BE FOUND ON THE PARTICULAR SURFACE (EXAMPLE: EXPOSED TO WEATHER).
3. DOORS REQUIRED TO BE ACCESSIBLE INCLUDE:
A. AT LEAST ONE DOOR AT EACH ACCESSIBLE ENTRANCE
B. AT LEAST ONE DOOR AT EACH ACCESSIBLE SPACE WITHIN A BUILDING OR FACILITY
C. EACH DOOR THAT IS AN ELEMENT OF AN ACCESSIBLE ROUTE OR AN ACCESSIBLE MEANS OF EGRESS.



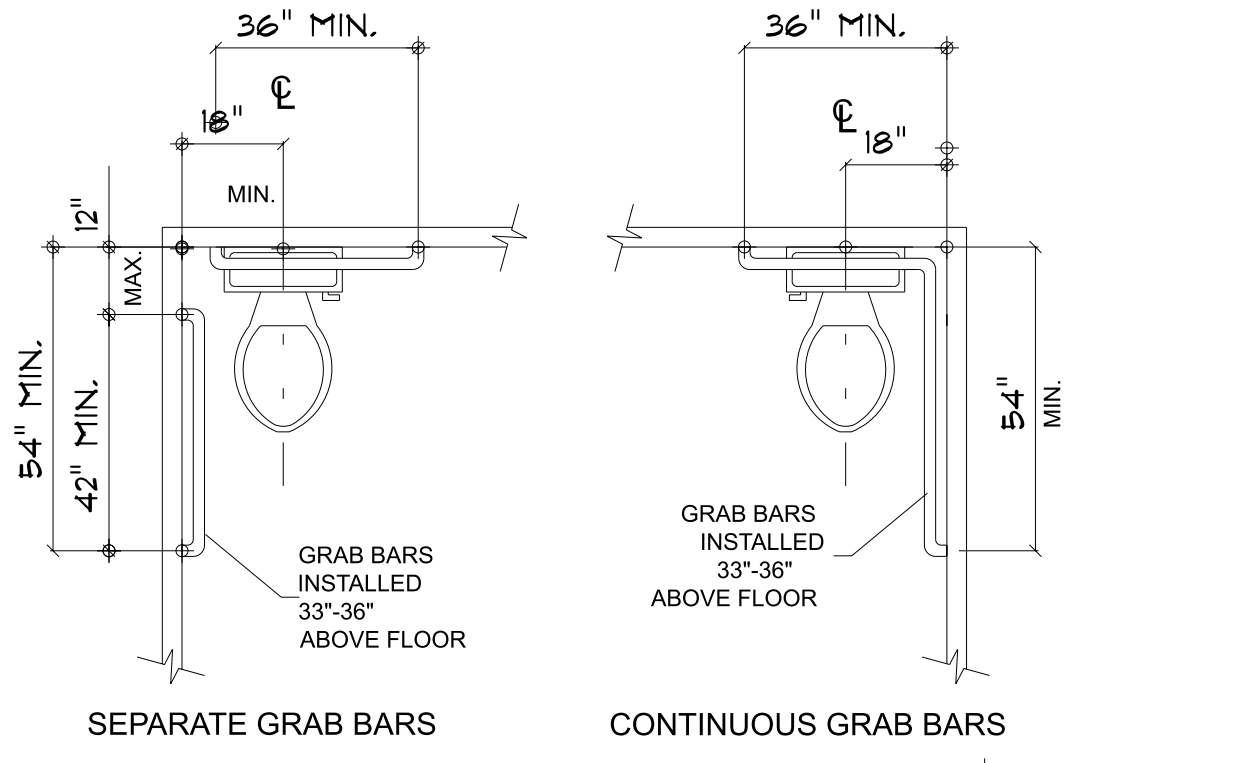
ACCESSIBLE ROUTES-INTERIOR AND EXTERIOR
SCALE: AS NOTED



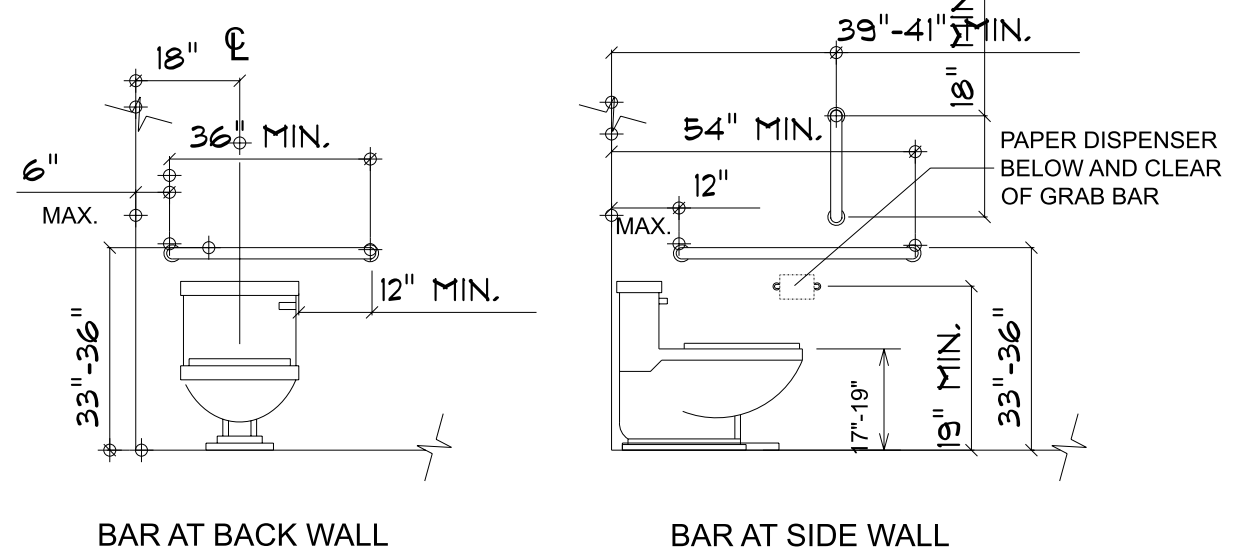
DOORS, HARDWARE & MANEUVERING CLEARANCE
SCALE: 3/8"=1'-0"

GRAB BARS - REQUIRED IN ALL ACCESSIBLE TOILET COMPARTMENTS

GRAB BAR REQUIREMENTS:
1. GRAB BARS MUST HAVE A DIAMETER OF 1 1/8" TO 1 3/8" AND A CLEARANCE BETWEEN THE GRAB BAR AND WALL AND/OR ACCESSORY SURFACE(S) OF 1 1/2".
2. REQUIRED MOUNTING HEIGHTS ARE UNIVERSALLY 33" TO 36" FROM THE CENTERLINE OF THE GRAB BAR TO THE FINISH FLOOR.
3. THE STRUCTURAL STRENGTH OF ALL GRAB BARS AND THEIR MOUNTING DEVICES MUST WITHSTAND MORE THAN 250 LBS.
4. GRAB BARS AND ADJACENT SURFACES CANNOT HAVE ANY SHARP OR ABRASIVE ELEMENTS.
5. STRAIGHT HORIZONTAL GRAB BARS ARE THE MINIMUM SPECIFIED BY ADAAG. A FEW LOCALITIES MAY REQUIRE A COMBINATION OF HORIZONTAL AND VERTICAL GRAB BARS.
6. STANDARD COMPARTMENTS REQUIRE ONE GRAB BAR AT LEAST 40" LONG TO BE MOUNTED ON THE SIDE WALL OR PARTITION NEAREST THE TOILET, NO MORE THAN 12" FROM THE BACK WALL. A SECOND GRAB BAR AT LEAST 36" LONG MUST BE MOUNTED ON THE BACK WALL NO MORE THAN 6" FROM THE SIDE WALL OR PARTITION NEAREST THE TOILET. ALTERNATE COMPARTMENTS 36" WIDE REQUIRE PARALLEL GRAB BARS AT LEAST 42" LONG TO BE MOUNTED ON EACH SIDE OF THE TOILET, NO MORE THAN 12" FROM THE BACK WALL. TO PROVIDE A PLACE FOR ELBOW AND FOREARM LEVERAGE. ALTERNATE 48" MIN. WIDE COMPARTMENTS REQUIRE ONE GRAB BAR AT LEAST 42" LONG TO BE MOUNTED ON THE SIDE WALL OR PARTITION NEAREST THE TOILET, NO MORE THAN 12" FROM THE BACK WALL. A SECOND GRAB BAR AT LEAST 36" LONG MUST BE MOUNTED ON THE BACK WALL NO MORE THAN 6" FROM THE SIDE WALL OR PARTITION NEAREST THE TOILET.



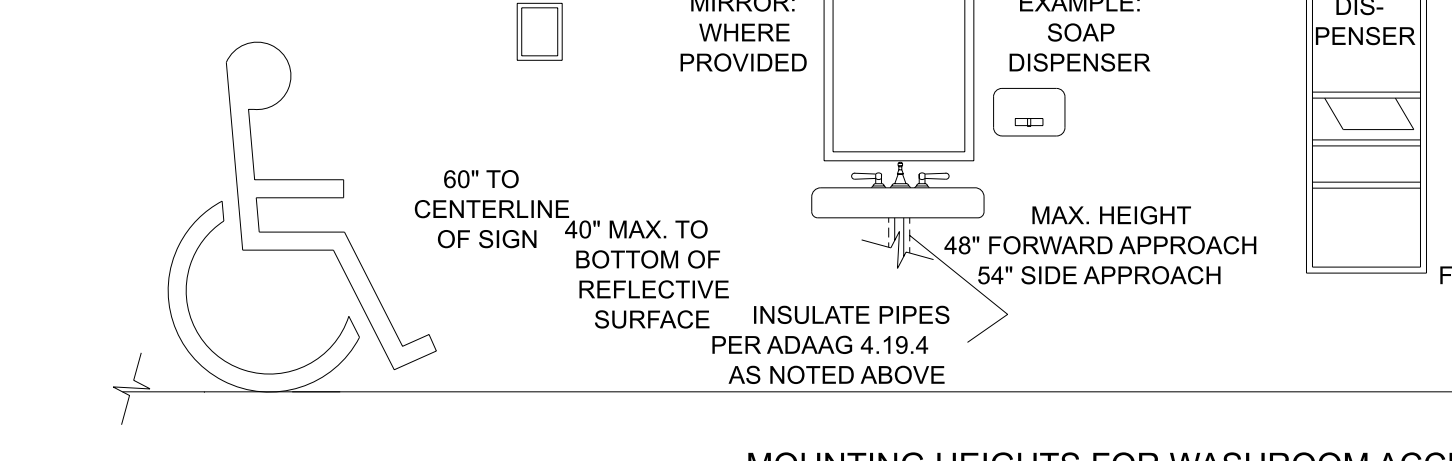
SEPARATE GRAB BARS **CONTINUOUS GRAB BARS**



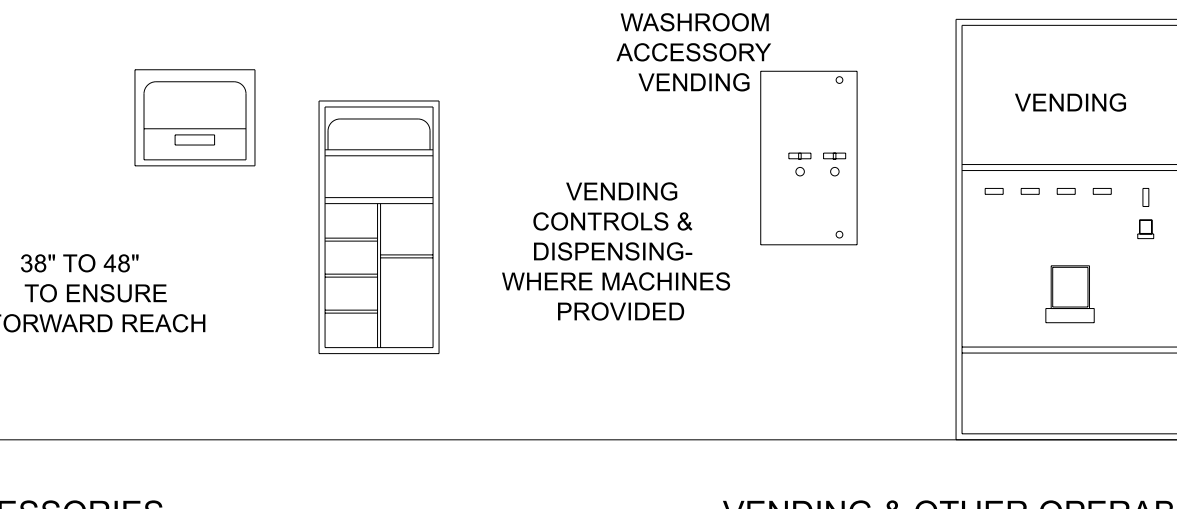
GRAB BARS @ WATER CLOSETS
SCALE: N/A

ACCESSORIES AND CONTROLS:
1. FOR SIDE REACH FROM WHEELCHAIR, MOUNT ACCESSORIES WITH DISPENSING MECHANISMS, START BUTTONS COIN SLOTS, OR DISPENSER OPENINGS LOCATED 38" TO 54" ABOVE THE FINISH FLOOR.
2. AT FORWARD REACH FROM WHEELCHAIR, MOUNT ACCESSORIES NO MORE THAN 48" ABOVE THE FINISH FLOOR.
3. WHERE ELEMENTS ARE MOUNTED OVER OBSTRUCTIONS, SUCH AS COUNTERS, THEY MUST BE LOCATED NO MORE THAN 44" ABOVE THE FINISH FLOOR.
4. MOUNTING HEIGHTS FOR CHILDREN WILL DIFFER-IN FACILITIES USED PRIMARILY BY CHILDREN APPROPRIATE ADJUSTMENTS IN DIMENSIONS WILL BE NECESSARY.

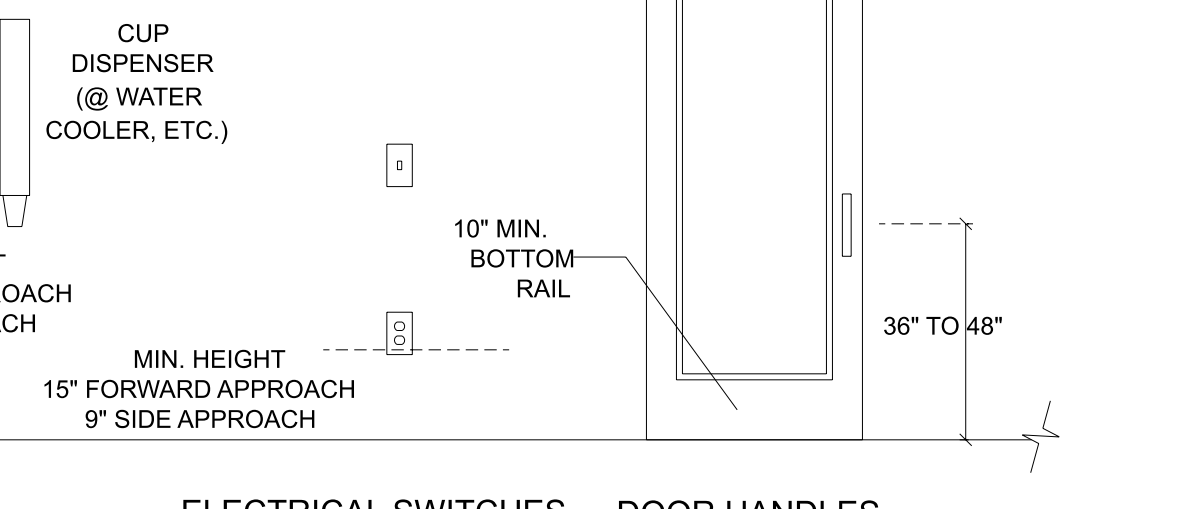
SIGNS:
1. TO BE MOUNTED ON WALL AT LATCH SIDE OF DOOR
2. MUST HAVE LETTERS AND NUMBERS RAISED 1/32" MIN.
3. MUST BE ACCOMPANIED WITH GRADE 2 BRAILLE



MOUNTING HEIGHTS FOR WASHROOM ACCESSORIES
DISPENSERS AND CONTROLS AT ACCESSIBLE LAVATORIES MUST BE WITHIN ACCESSIBLE REACH RANGE



VENDING & OTHER OPERABLE EQUIPMENT



ELECTRICAL SWITCHES AND OUTLETS **DOOR HANDLES**

ACCESSORIES AND CONTROLS
SCALE: 3/8"=1'-0"

ACCESSIBILITY DETAILS

TO COMPLY WITH ICC A117.1/2017 ADAAG MANUAL - A GUIDE TO ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

NOTE:
THESE DETAILS ARE GENERAL AND DESCRIBE THE INTENT TO COMPLY WITH BUILDING CODE REQUIREMENTS FOR COMPLIANCE WITH ACCESSIBILITY GUIDELINES THROUGHOUT THE BUILDING. NOT ALL DETAILS APPLY IN EACH BUILDING DESIGN, AND OTHER CONFIGURATIONS THAT MEET GUIDELINES ARE POSSIBLE. CONSULT WITH THE APPROPRIATE JURISDICTIONS WHERE SPECIAL CIRCUMSTANCES OCCUR.

ELECTRICAL NOTES

- ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2023 EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), AND ALL OTHER APPLICABLE NATIONAL, STATE AND LOCAL REQUIREMENTS. LATEST EDITION OF THE STANDARD MECHANICAL CODE.
 - ELECTRICAL AND HVAC WORK SHALL BE COMPLETED BY AN INDIVIDUAL OR BUSINESS THAT IS LICENSED BY THE OHIO CONSTRUCTION INDUSTRY LICENSING BOARD AS REQUIRED BY ORC-4740 AND OAC-4141:16.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN WORKING ORDER BEARING THE "UL" OR EQUIVALENT LABEL WHENEVER SUCH STANDARDS HAVE BEEN ESTABLISHED.
- CONDUIT OR MC CABLE TO BE USED WHERE WIRING IS EXPOSED. TYPE NM WIRING TO BE USED WHERE WIRING IS NOT EXPOSED AND IS PROTECTED WITH A THERMAL BARRIER HAVING A MINIMUM 15 MINUTE FINISH RATING. ALL UNDERGROUND CONDUCTORS SHALL BE AC OR MC CABLE. ALL MATERIALS IN OPEN SPACE ABOVE CEILING TO BE PLENUM RATED.
- ALL TYPE NM WIRING OR CONDUIT AND PANEL CIRCUIT PROTECTION SHALL BE SIZED FOR THE CONNECTING LOADS PER THE NATIONAL ELECTRICAL CODE, TABLE 310-16.
- LIGHTING IS REQUIRED IN ALL MEANS OF EGRESS, INCLUDING EXIT DISCHARGE, DURING ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.
- EXIT SIGNS ARE SELF ILLUMINATING PHOTOLUMINESCENT AND SHALL COMPLY WITH THE LOCATION, SIZE, COLOR ILLUMINATED AND POWER SOURCE REQUIREMENTS OF OBC 2024 SECTION 1011.
- THE AREA WHERE EACH SIGN IS LOCATED AND SHALL BE CONNECTED AHEAD OF ANY LOCAL SWITCHES, COMPLY WITH 2024 OBC SECTIONS 1008 AND 2702.0, AND NEC 700-12 (E)
- ALL CONDUCTORS ARE TO BE COPPER.
- ALL REINFORCING REBARS, EXCLUDING EXISTING BUILDINGS, NOT LESS THAN 1/2" DIA. AND 20 FEET IN LENGTH LOCATED NEAR THE BOTTOM OF THE CONCRETE FOOTING OR FOUNDATION THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE GROUNDED OR BONDED INTO THE BUILDING GROUNDING ELECTRODE SYSTEM IN ACCORDANCE WITH NEC 2023. THE SIZE OF GROUNDING ELECTRODE CONDUCTORS SHALL COMPLY WITH ARTICLE 250.66.(B) NEC 2023. METHODS OF GROUNDING AND BONDING CONDUCTORS CONNECTION AND MATERIALS USED BE LISTED FOR GROUNDING OR BONDING USE IN ACCORDANCE WITH NEC 2023.
- THIS DRAWING IS GENERAL IN NATURE AND THE INTENT IS TO PROVIDE A COMPLETE, SAFE AND SATISFACTORY ELECTRICAL SYSTEM. ITEMS NOT SHOWN OR MENTIONED, BUT NECESSARY FOR SUCH AN INSTALLATION ARE TO BE INCLUDED, PER OBC SECTION 2702.0 AND APPLICABLE SECTIONS OF THE NEC.

ELECTRICAL LEGEND	
	DUPLEX RECEPTACLE
	GROUND FAULT INTERRUPTER
	220V RECEPTACLE
	SINGLE POLE SWITCH
	TWO WAY SWITCH
	THREE WAY SWITCH
	ELECTRICAL PANEL
	DUAL LAMP, 100W EXTERIOR EXIT DISCHARGE LIGHT
	LED EXTERIOR WALL PACK
	LED INTERIOR EMERGENCY LIGHT
	EXIT SIGN/ EMERGENCY LIGHT
	LITHONIA LIGHTING 2GTL 4 48L EZ1 LP835 GTL 2X4, 4800 NOMINAL LUMENS, A12 LENS, 3500K LED

ARC-FLASH HAZARD WARNING

PRE NEC 110.16 ELECTRICAL EQUIPMENT, SUCH AS SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS, THAT ARE IN OTHER THAN DWELLING UNITS, AND ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT SERVICING, OR MAINTENANCE WHILE ENERGIZED SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED AS SO TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT SERVICING, OR MAINTENANCE OF THE EQUIPMENT

MAXIMUM AVAILABLE FAULT CURRENT INFO.

PRE NEC 110.24 SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FIELD CURRENT. FIELD MARKINGS SHALL INCLUDE THE DATE THE FAULT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVLOVED.

NEW EQUIPMENT BEING INSTALLED WILL NOT AFFECT THE MAXIMUM AVAILABLE FAULT CURRENT.

ELECTRICIAN MUST VERIFY AND NOTE MAXIMUM FAULT CURRENT AT TIME OF INSTALLATION.

SUB PANEL B

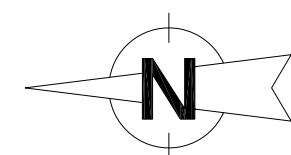
200 AMP 120/240 V/1 Ø MAIN PANEL

DESCRIPTION	WATTS	GA.	CIR. NO.	AMP	AMP	CIR. NO.	GA.	WATTS	DESCRIPTION
EAST BANK LIGHTING	600		2	20	20	1	1000		NORTH WALL RECEPTACLES
WEST BANK LIGHTING	600		4	20	20	3	1000		NORTH WALL RECEPTACLES
GARAGE DOOR OPENERS	600		6	20	20	5	1000		WEST WALL RECEPTACLES
WATER HEATER	1000		8	20	20	7	1200		SOUTH WALL RECEPTACLES
			10	20	20	9			
			12	20	20	11			
			14	20	20	13			
			16	20	20	15			
			18	20	20	17			
			20	20	20	19			
			22	20	20	21			
			24	20	20	23			
			26	20	20	25			
			28	20	20	27			
			30	20	20	29			
			32	20	20	31			
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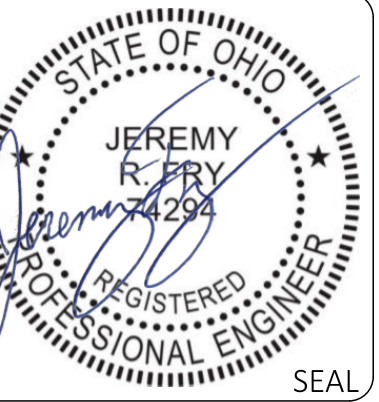
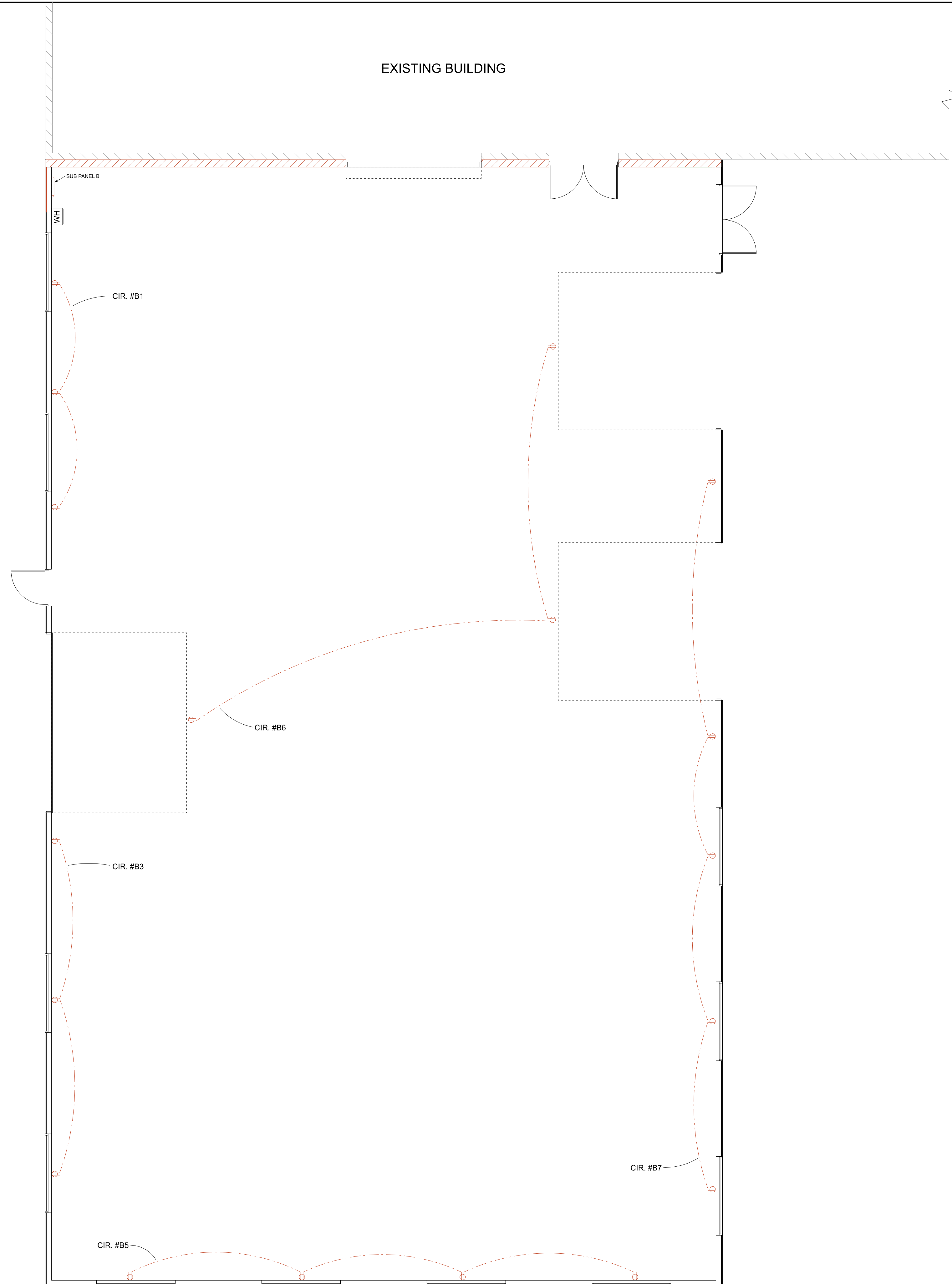
WATTS: 2,800

TOTAL WATTS: 6,000
TOTAL AMPS: 25

WATTS: 3,200



POWER PLAN
SCALE: 3/16" = 1'-0"



60'-0" X 100'-0" ADDITION
DONS AUTOMOTIVE



JOB NUMBER
DAC-92024
DATE
10-25-2024

POWER PLAN
E-1

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 - ELECTRICAL AND HVAC WORK SHALL BE COMPLETED BY AN INDIVIDUAL OR BUSINESS THAT IS LICENSED BY THE OHIO CONSTRUCTION INDUSTRY LICENSING BOARD AS REQUIRED BY ORC-4740 AND OAC-4141:16.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN WORKING ORDER BEARING THE "UL" OR EQUIVALENT LABEL WHENEVER SUCH STANDARDS HAVE BEEN ESTABLISHED.
- CONDUIT OR MC CABLE TO BE USED WHERE WIRING IS EXPOSED. TYPE NM WIRING TO BE USED WHERE WIRING IS NOT EXPOSED AND IS PROTECTED WITH A THERMAL BARRIER HAVING A MINIMUM 15 MINUTE FINISH RATING. ALL UNDERGROUND CONDUCTORS SHALL BE AC OR MC CABLE. ALL MATERIALS IN OPEN SPACE ABOVE CEILING TO BE PLENUM RATED.
- ALL TYPE NM WIRING OR CONDUIT AND PANEL CIRCUIT PROTECTION SHALL BE SIZED FOR THE CONNECTING LOADS PER THE NATIONAL ELECTRICAL CODE, TABLE 310-16.
- LIGHTING IS REQUIRED IN ALL MEANS OF EGRESS, INCLUDING EXIT DISCHARGE, DURING ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.
- EXIT SIGNS ARE SELF ILLUMINATING PHOTOLUMINESCENT AND SHALL COMPLY WITH THE LOCATION, SIZE, COLOR ILLUMINATED AND POWER SOURCE REQUIREMENTS OF OBC 2024 SECTION 1011.
- THE AREA WHERE EACH SIGN IS LOCATED AND SHALL BE CONNECTED AHEAD OF ANY LOCAL SWITCHES, COMPLY WITH 2024 OBC SECTIONS 1008 AND 2702.0, AND NEC 700-12 (E)
- ALL CONDUCTORS ARE TO BE COPPER.
- ALL REINFORCING REBARS, EXCLUDING EXISTING BUILDINGS, NOT LESS THAN 1/2" DIA. AND 20 FEET IN LENGTH LOCATED NEAR THE BOTTOM OF THE CONCRETE FOOTING OR FOUNDATION THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE GROUNDED OR BONDED INTO THE BUILDING GROUNDING ELECTRODE SYSTEM IN ACCORDANCE WITH NEC 2023. THE SIZE OF GROUNDING ELECTRODE CONDUCTORS SHALL COMPLY WITH ARTICLE 250.66.(B) NEC 2023. METHODS OF GROUNDING AND BONDING CONDUCTORS CONNECTION AND MATERIALS USED BE LISTED FOR GROUNDING OR BONDING USE IN ACCORDANCE WITH NEC 2023.
- THIS DRAWING IS GENERAL IN NATURE AND THE INTENT IS TO PROVIDE A COMPLETE, SAFE AND SATISFACTORY ELECTRICAL SYSTEM. ITEMS NOT SHOWN OR MENTIONED, BUT NECESSARY FOR SUCH AN INSTALLATION ARE TO BE INCLUDED, PER OBC SECTION 2702.0 AND APPLICABLE SECTIONS OF THE NEC.

ELECTRICAL LEGEND	
	DUPLEX RECEPTACLE
	GROUND FAULT INTERRUPTER
	220V RECEPTACLE
	SINGLE POLE SWITCH
	TWO WAY SWITCH
	THREE WAY SWITCH
	ELECTRICAL PANEL
	DUAL LAMP, 100W EXTERIOR EXIT DISCHARGE LIGHT
	LED EXTERIOR WALL PACK
	LED INTERIOR EMERGENCY LIGHT
	EXIT SIGN/ EMERGENCY LIGHT
	LITHONIA LIGHTING 2GTL 4 48L EZ1 LP835 GTL 2X4, 4800 NOMINAL LUMENS, A12 LENS, 3500K LED

ARC-FLASH HAZARD WARNING

PRE NEC 110.16 ELECTRICAL EQUIPMENT, SUCH AS SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS, THAT ARE IN OTHER THAN DWELLING UNITS, AND ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT SERVICING, OR MAINTENANCE WHILE ENERGIZED SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED AS SO TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT SERVICING, OR MAINTENANCE OF THE EQUIPMENT

MAXIMUM AVAILABLE FAULT CURRENT INFO.

PRE NEC 110.24 SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FIELD CURRENT. FIELD MARKINGS SHALL INCLUDE THE DATE THE FAULT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.

NEW EQUIPMENT BEING INSTALLED WILL NOT AFFECT THE MAXIMUM AVAILABLE FAULT CURRENT.

ELECTRICIAN MUST VERIFY AND NOTE MAXIMUM FAULT CURRENT AT TIME OF INSTALLATION.

SUB PANEL B

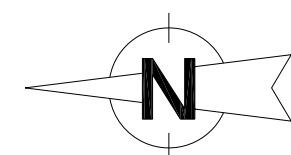
200 AMP 120/240 V/1 Ø MAIN PANEL

DESCRIPTION	WATTS	GA.	CIR. NO.	AMP.	AMP.	CIR. NO.	GA.	WATTS	DESCRIPTION
EAST BANK LIGHTING	600		2	20	20	1	1000		NORTH WALL RECEPTACLES
WEST BANK LIGHTING	600		4	20	20	3	1000		NORTH WALL RECEPTACLES
GARAGE DOOR OPENERS	600		6	20	20	5	1000		WEST WALL RECEPTACLES
WATER HEATER	1000		8	20	20	7	1200		SOUTH WALL RECEPTACLES
			10	20	20	9			
			12	20	20	11			
			14	20	20	13			
			16	20	20	15			
			18	20	20	17			
			20	20	20	19			
			22	20	20	21			
			24	20	20	23			
			26	20	20	25			
			28	20	20	27			
			30	20	20	29			
			32	20	20	31			
			34	20	20	33			
			36	20	20	35			
			38	20	20	37			
			40	20	20	39			
			42	20	20	41			

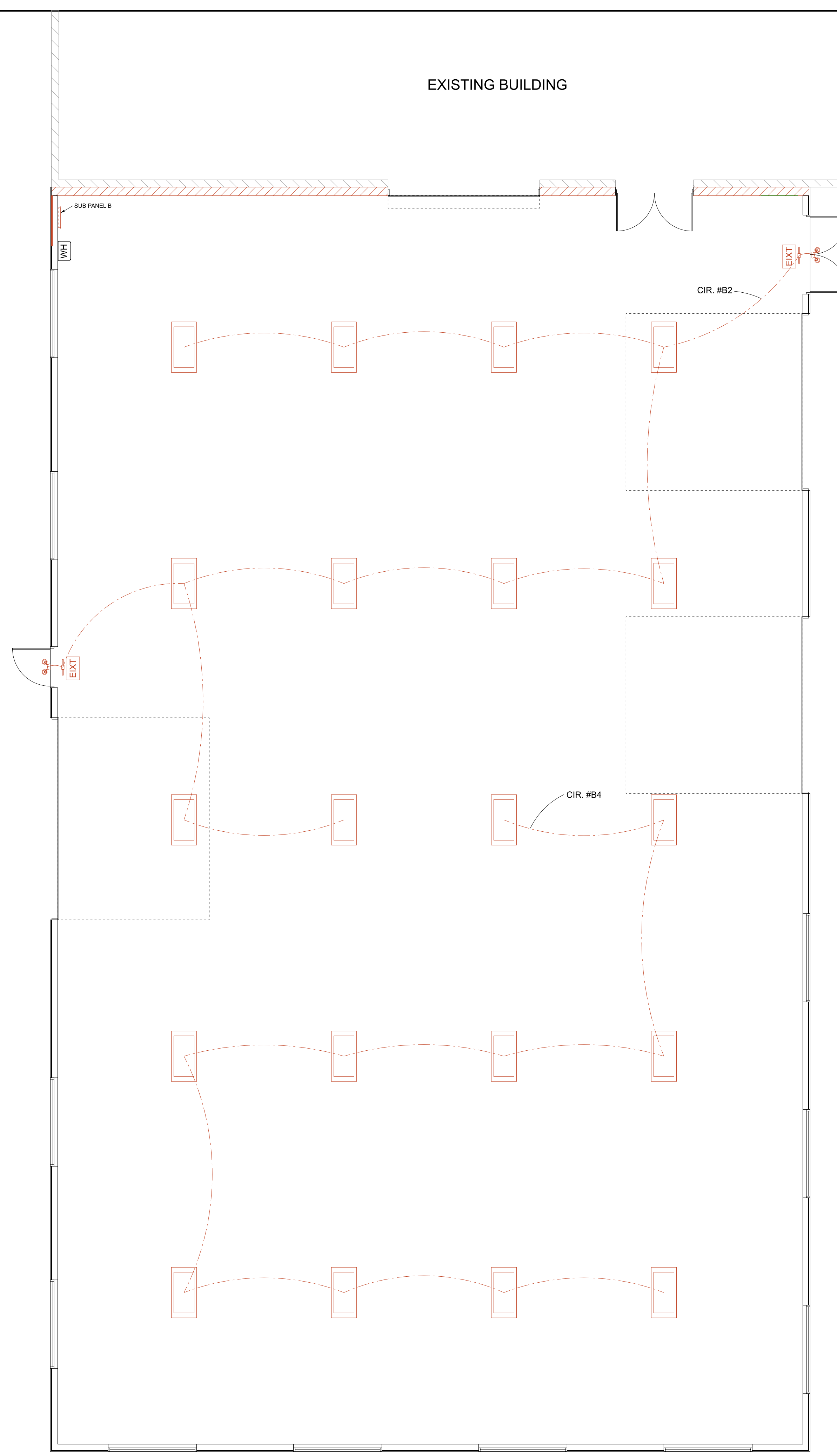
WATTS: 2,800

TOTAL WATTS: 6,000
TOTAL AMPS: 25

WATTS: 3,200



LIGHTING PLAN
SCALE: 3/16" = 1'-0"

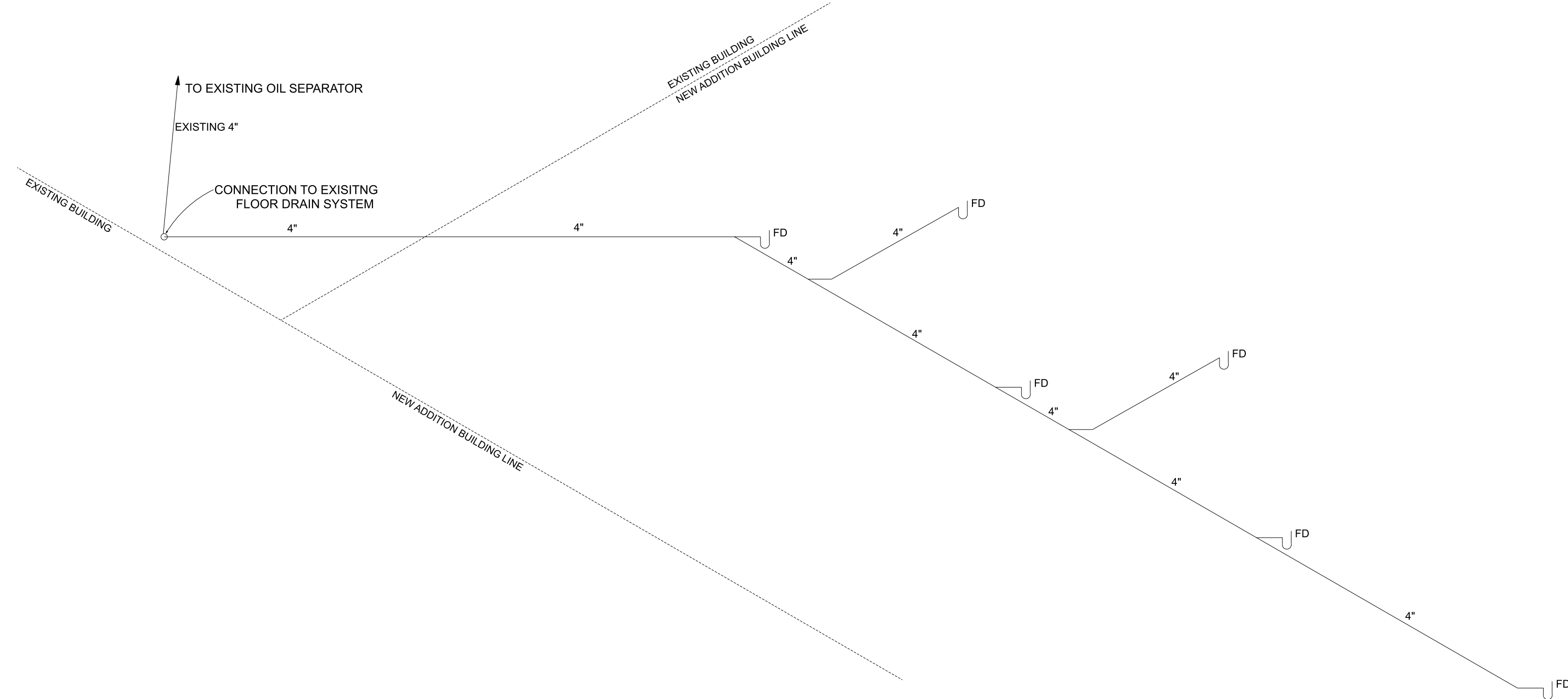


60'-0" X 100'-0" ADDITION
DONS AUTOMOTIVE



JOB NUMBER
DAC-92024
DATE
10-25-2024

LIGHTING PLAN
E-2



PLUMBING ISOMETRIC
SCALE: NOT TO SCALE

GENERAL PLUMBING NOTES

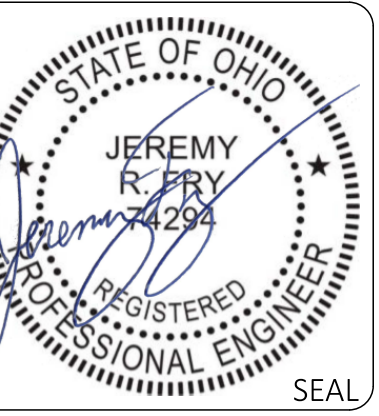
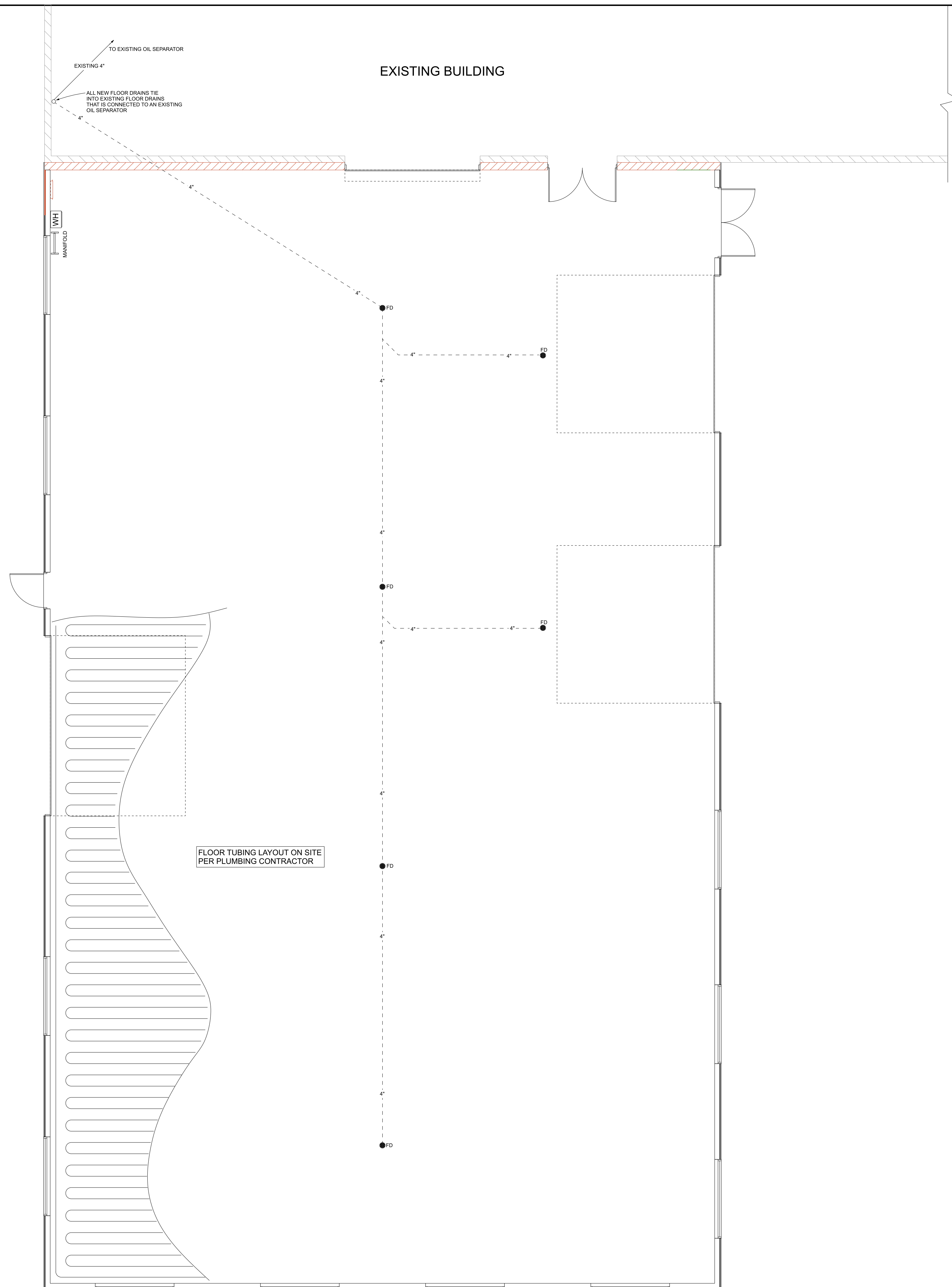
- PLUMBING EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ITS UNDERWRITERS APPROVAL, THE MANUFACTURERS' RECOMMENDATIONS AND SPECIFICATIONS, GOOD ENGINEERING PRACTICES, AND ALL LOCAL AND STATE CODES (REFER TO CHAPTER 29 OBC).
- WATER SERVICE PIPE AND FITTINGS SHALL CONFORM TO NSF 61 AND SHALL CONFORM TO ONE OF THE MATERIAL STANDARDS LISTED IN TABLES 605.3 AND 605.5 OF THE OHIO PLUMBING CODE, 2024 EDITION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - COPPER OR COPPER-ALLOY PIPE, TUBING & FITTINGS.
 - CROSS-LINKED POLYETHYLENE (PEX) PLASTIC TUBING & FITTINGS FOR PEX PLASTIC TUBING.
 - ACRYLONITRILE BUTADIENE STYRENE (ABS) PLASTIC PIPE & ABS PLASTIC FITTINGS.
 - POLYVINYL CHLORIDE (PVC) PLASTIC SCHEDULE 40 PIPE & PVC PLASTIC FITTINGS.
 - OTHER APPROVED MATERIALS AS LISTED IN THE TABLES NOTED ABOVE MAY BE SUBSTITUTED UPON REVIEW AND APPROVAL BY THE BUILDING DESIGNER.
- WATER DISTRIBUTION PIPE SHALL CONFORM TO NSF 61 AND SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 605.4, OPC 2024 EDITION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - COPPER OR COPPER-ALLOY PIPE OR TUBING.
 - CROSS-LINKED POLYETHYLENE (PEX) PLASTIC TUBING.
 - CHLORINATED POLYVINYL CHLORIDE (CPVC) PLASTIC PIPE AND TUBING.
 - OTHER APPROVED MATERIALS AS LISTED IN THE TABLES NOTED ABOVE MAY BE SUBSTITUTED UPON REVIEW AND APPROVAL BY THE BUILDING DESIGNER.
- DOMESTIC WATER INSULATION: 1" THICK OWENS-CORNING 25 AS/SSL HEAVY DENSITY PIPE INSULATION.
- ALL GAS PIPING TO BE BLACK STEEL PIPE THREADED AND COUPLED; COMPLY WITH OMC 2024.
- ALL PLUMBING FIXTURES SHALL BE INSTALLED WITH SUPPLY SHUTOFF VALVES. EACH GAS APPLIANCE SHALL BE INSTALLED WITH A SHUTOFF VALVE.
- VALVES IN WATER PIPING SHALL BE BALL VALVES WITH BRONZE BODY SOLDERED ENDS, MINIMUM 150 POUNDS PSI. VALVES IN GAS PIPING SHALL BE AGA APPROVED SQUARE HEAD PLUG TYPE WITH LEVER HANDLE ADAPTER FOR GAS SERVICE.
- SOIL, WASTE, VENT AND DRAIN PIPING (UNDERGROUND & ABOVE GROUND INTERIOR) AND FITTINGS SHALL CONFORM TO ONE OF THE MATERIAL STANDARDS LISTED IN TABLES 702.1, 702.2 AND 702.4 OF THE OPC, 2024 EDITION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - POLYVINYL CHLORIDE (PVC) PIPES & PVC PIPE FITTINGS.
 - ACRYLONITRILE BUTADIENE STYRENE (ABS) PLASTIC PIPE & ABS PIPE FITTINGS.
 - OTHER APPROVED MATERIALS AS LISTED IN THE TABLES NOTED ABOVE MAY BE SUBSTITUTED UPON REVIEW AND APPROVAL BY THE BUILDING DESIGNER.
 - ABS OR PVC MATERIALS MAY NOT BE USED IN PLENUM SPACE.
- WHERE PLUMBING PIPING PASSES THROUGH CONCRETE PROVIDE MACHINE CUT STEEL PIPE SLEEVE 1" LARGER THAN OUTLINE DIAMETER OF PIPE. WHERE FLOORS ARE CORED DRILLED, STEEL SLEEVES ARE NOT REQUIRED. SEAL OPENINGS TO MAINTAIN THE FIRE RATING.
- WHERE ANY MATERIALS ARE INSTALLED THROUGH A FIRE BARRIER OR FIRE SEPARATION WALL OR FLOOR / CEILING ASSEMBLY, FIRE CAULK AROUND PENETRATION TO MAINTAIN FIRE RATING.
- PROVIDE ALL INSERTS AND SUPPORTS TO PROPERLY SUPPORT AND RETAIN PIPING TO CONTROL EXPANSION, ANCHORAGE, DRAINAGE, AND PREVENT SWAY AND VIBRATION.
- RUN ALL PIPING AS DIRECT AS POSSIBLE. ACTUAL LOCATION OF DRAIN, SOIL AND WASTE PIPING SHALL MEET THE VARIOUS BUILDING CONDITIONS. PERFORM ANY WORK NECESSARY TO CONCEAL PIPING OR CLEAR PIPING AND DUCTWORK OF OTHER TRADES.
- PROVIDE ALL STOPS, TRAPS, ESCUTCHEONS, BACKFLOW PREVENTERS, CARRIER, ETC. REQUIRED FOR A COMPLETE SYSTEM.
 - EACH FIXTURE TRAP SHALL HAVE A LIQUID SEAL OF NOT LESS THAN 2 INCHES (51 MM) AND NOT MORE THAN 4 INCHES (102 MM) PER SECTION 1002.4 OPC.
 - A TRAP SEAL PRIMER VALVE IS NOT REQUIRED WHERE A FIXTURE TRAP IS SUPPLIED WITH WATER ON A REGULAR BASIS PER EXCEPTION, SECTION 1002.4 OPC. ROOM FLOORS WHERE FLOOR DRAINS ARE LOCATED ARE TO BE MOPPED REGULARLY.
- HORIZONTAL PLUMBING WASTE LINES TO SLOPE 1/4 INCH PER FOOT; WASTE LINES 3 TO 6 INCHES IN DIAMETER MAY SLOPE MIN. 1/8 INCH PER FOOT PER TABLE 704.1, OHIO PLUMBING CODE, 2024 EDITION.
- PLUMBING CONTRACTOR TO VERIFY SEWER/SEPTIC LOCATION, SITE ELEVATIONS AND LOCAL CODES AND REVISE AS REQUIRED FOR THE PLUMBING PERMIT AND CERTIFICATES OF INSPECTION.

PLUMBING FIXTURES	
SYMBOL	DESCRIPTION
W.H. □	ON-DEMAND WATER HEATER
● F.D.	APPROVED FLOOR DRAIN WITH TRAP PRIMERS
⊙ C.O.	CLEAN OUT.

*** NOTE:**
PLUMBING CONTRACTOR TO VERIFY WATER WELL LOCATION, SEPTIC LOCATION, SITE ELEVATIONS AND LOCAL CODES AND REVISE AS REQUIRED FOR THE PLUMBING PERMIT AND CERTIFICATES OF INSPECTION.

PLUMBING LEGEND		
SYMBOL	SUPPLY SCHEMATIC	WASTE SCHEMATIC
—	COLD WATER PIPE	SEWER PIPE
—	110 °F HOT WATER PIPE	VENT STACK
SYMBOL SUPPLY AND WASTE SCHEMATICS		
3 VTR	3" ROOF VENT	
W.H.	WATER HEATER	
A.A.V.	AIR ADMITTANCE VALVE	
F.D.	FLOOR DRAIN	
C.O.	CLEAN OUT	

 **PLUMBING PLAN**
SCALE: 3/16" = 1'-0"



60'-0" x 100'-0" ADDITION
DONS AUTOMOTIVE



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PLUMBING PLAN
P-1