CONTRACT DOCUMENTS FOR:

Car Wash - Depew

20223306.0001

Broadway and Transit Road Depew, NY 14043

August 17, 2022

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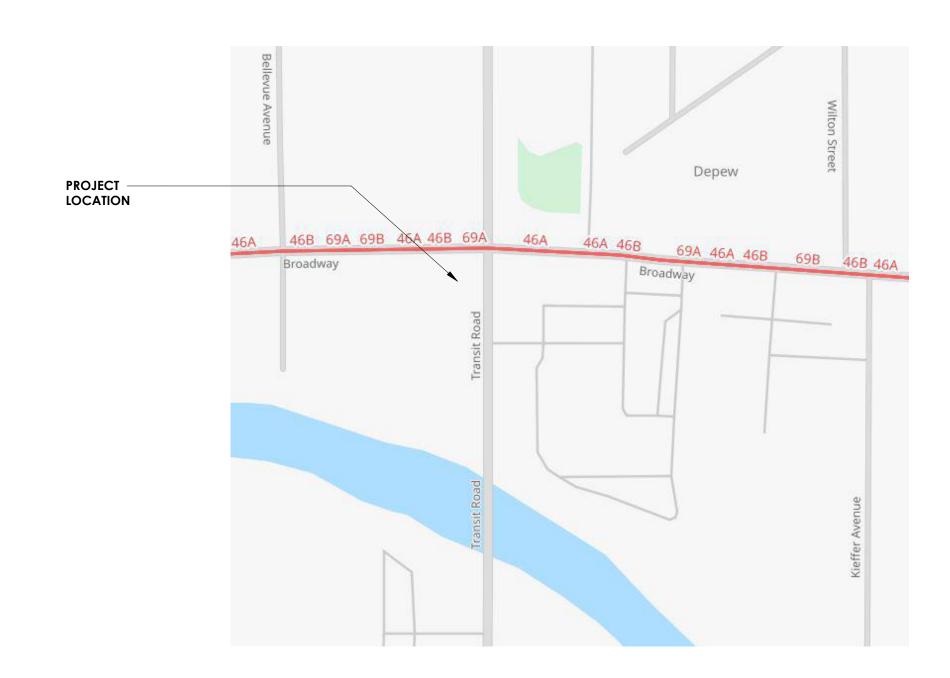
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LOCATION MAP:



CLIENT:

Royal Wash Development LLC 2851 Monroe Avenue Rochester, NY 14618

ARCHITECTURAL & CIVIL:



242 West Main Street, Suite 100 (585) 325-1000 Rochester, New York 14614 Fax: (585) 325-1691



GENERAL NOTES:

- 1. DESIGN AND CONSTRUCTION SHALL CONFORM TO ALL LOCAL AND STATE CODES, INCLUDING (BUT NOT LIMITED TO) THE "NEW YORK STATE BUILDING CODE AND NEW YORK STATE FIRE CODE", LATEST REVISION, THE NFPA 101 LIFE SAFETY CODE, LATEST REVISION, OSHA AND ANY OTHER CODES GOVERNED BY THE JURISDICTION IN WHICH THIS PROJECT IS BEING CONSTRUCTED.
- 2. THIS CONTRACT REQUIRES COMPLETE, FINISHED WORKABLE PROJECT OF THE AREAS INDICATED BY THE CONTRACT DOCUMENTS, AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE SAME, REGARDLESS OF WHETHER OR NOT EACH AND EVERY NECESSARY WORK OR ITEM IS SPECIFICALLY INDICATED ON ANY OTHER PORTION OF THE DRAWINGS AND/OR NOTES.
- 3. WHERE MATERIALS REFERENCED ON DRAWINGS ARE NECESSARY TO COMPLETE THE WORK OF THIS CONTRACT SPECIFIED HEREIN, PROVIDE BEST QUALITY MATERIALS. WHERE MATERIALS ARE INTENDED TO MATCH EXISTING, PROVIDE CLOSEST POSSIBLE MATCH, SUBJECT TO OWNER'S APPROVAL. ALL ITEMS AND WORK ON DRAWINGS ARE NEW, UNLESS INDICATED EXISTING. ALL WORK WHICH HAS BEEN DAMAGED SHALL BE REPAIRED OR REPLACED. WHERE ITEM CAN NOT BE REPAIRED TO A "NEW CONDITION", OR WHERE THE STRUCTURAL INTEGRITY HAS BEEN AFFECTED, ITEM SHALL BE REPLACED, AT NO COST TO THE OWNER.
- 4. ALL CONTRACTORS ARE RESPONSIBLE TO VERIFY ALL SITE, FIELD AND BUILDING CONDITIONS PRIOR TO SUBMITTING BIDS AND COMMENCING WORK, IF THERE ARE ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS, CONFER WITH ARCHITECT / ENGINEER AND CONSTRUCTION MANAGER FOR RESOLUTION.
- 5. ALL PENETRATIONS THROUGH FLOORS AND FULL HEIGHT WALLS TO BE FIRE STOPPED AS REQUIRED BY NYS CODE. ALL GAPS AND JOINTS AT RATED FLOORS, ROOFS AND WALLS & INTERSECTION OF WALLS, TO BE FIRE STOPPED. GAPS & JOINTS INCLUDE (BUT ARE NOT LIMITED TO) TOP OF WALL TO FLOOR OR ROOF DECK, WALL TO BEAMS, AND CONTROL OR EXPANSION JOINTS. FIRE STOPPING INCLUDES BOTH FORM OR PACKING MATERIAL AND THE FILL, VOID OR CAVITY MATERIAL.
- 6. PROVIDE FIRE BLOCKING IN CONCEALED SPACES AS PER NYS. CODE.

EXPD Exposed

CW

Cold Water

WEATHER, SHALL BE PRESSURE TREATED TYPE (P.T.P).

- EXTERIOR PERIMETER OF ALL WINDOWS, DOOR FRAMES, LOUVERS OR OTHER ITEMS INSERTED IN AN EXTERIOR WALL SHALL BE SEALED WEATHER TIGHT WHETHER INDICATED ON DRAWINGS OR NOT.

 WOOD USED FOR BLOCKING OR OTHER PURPOSES ON OR ABOVE THE ROOF DECK, WITHIN 2'-0" OF GRADE AND OTHER LOCATIONS OUTSIDE THE BUILDING ENVELOPE WHERE EXPOSED TO THE
- 9. FINISHED DOOR OPENINGS SHALL BE NOMINAL @ 6" FROM FINISHED CORNER OF ROOM AT HINGE SIDE, EXCEPT WHERE DIMENSIONED OTHERWISE. ON THE 'PULL' SIDE OF A DOOR OPENING, THE STRIKE SIDE SHALL BE NOMINAL 18" FROM A PERPENDICULAR WALL. ON THE 'PUSH' SIDE OF A DOOR OPENING EQUIPPED WITH BOTH A CLOSER AND LATCH, THE STRIKE SIDE SHALL BE NOMINAL 12"
- FROM A PERPENDICULAR WALL.

 10. INTERIOR AND EXTERIOR CONCRETE SLABS SHALL BE SEPARATED FROM ANY VERTICAL SURFACE WITH AN ISOLATION JOINT. ALL SLAB-ON-GRADE (CONTROL, EXPANSION, ETC.) JOINTS TO
- RECEIVE SEALANT FOR RADON PROTECTION.

 11. UNLESS OTHERWISE SHOWN, FOOTINGS SHALL BEAR ON FIRM, LEVEL AND UNDISTURBED NATURAL SOIL OR SOLID ROCK. BEARING GRADE SHALL BE FREE OF WATER, FROST, ROCKS, MATERIALS
- THAT COULD DECOMPOSE AND OR OTHER LOOSE MATERIALS. CONTRACTOR TO VERIFY BEARING CAPACITY IS 2,000 PSF MIN.
 12. PROVIDE CONCEALED SOLID WOOD BLOCKING IN ALL PARTITIONS, IF RECESSED OR SURFACE MOUNTED ITEMS ARE SPECIFIED.
- 13. REMOVE DEBRIS AND OTHER MATERIALS (RESULTING FROM DEMOLITION OR CONSTRUCTION) FROM SITE AS DEMOLITION OR CONSTRUCTION PROGRESSES. REMOVE RUBBISH FROM JOB SITE
- REGULARLY AND LEAVE PREMISES AND WORK IN CLEAN CONDITION. RUBBISH SHALL NOT BE ALLOWED TO ACCUMULATE AND SHALL BE APPROPRIATELY DISPOSED OF PRIOR TO COMPLETION, CLEAN PREMISES FOR OCCUPANCY BY OWNER.
- ALL CONTRACTORS ARE TO COORDINATE THE WORK WITH EACH OTHER, SO THAT THE WORK AND SCHEDULE ARE NOT IMPEDED. SCHEDULE WORK PROGRESS THROUGHOUT THE ENTIRE PROJECT TO PREVENT CONFLICTS AND INTERFERENCES. OBTAIN ALL NECESSARY INFORMATION SUCH AS SIZES, LOCATIONS, TEMPLATES, LAYOUT, DIMENSIONS AND ALL OTHER INFORMATION NECESSARY FOR A PROPER AND WELL COORDINATED INSTALLATION. PRIOR TO INSTALLATION OF ITEMS, CONFER WITH EACH CONTRACTOR FOR EXACT LOCATION OF ALL ITEMS.

Installed By Contractor

ABBREVIATIONS

AD	Access Door	CMT	Ceramic Mosaic Tile	EXTN	Extension	INSUL	Insulation	NO, #	Number	PVP	Polyvinyl Chloride	THK	Thickness
AFF	Above Finish Floor	CONC	Concrete	EXT	Exterior	INS. GL	Insulated Glass	oc	On Center	PCF	Ponds Per Cubic Feet	TOIL	Toilet
ACT	Acoustical Tile	CONSTR	Construction	FCU	Fan Coil Unit	INT	Interior	OPNG	Oppening	PSL	Pounds Per Square Inch	T&G	Tongue And Groove
ADD	Addendum	CONT	Continuos	FIN	Finished	INV	Invert	OPP	Opposite	PLF	Pounds Per Linear Feet	TOS	Top Of Steel
ADJ	Adjacent	CLL	Contact Limit Line	FA	Fire Alarm	JAN	Janitor	OPH	Opposite Hand	PSF	Pounds Per Square Feet	TYP	Typical
A/C	Air Conditioning	CNTOR	Contractor	FACT	Factory	JT	Joint	OD	Outside Diameter	PCP	Precast Concrete Panel	TOW	Top Of Wall
ALT	Alternate	Cl	Control Joint	FE	Fire Extinguisher	LAM	Laminated	OA	Overall	PREFAB	Prefabricated	UC	Undercut
ALUM	Aluminum	CG	Corner Guard	FP	Fire Proofing	LAV	Lavatory	ОН	Overhead	PREF	Prefinished	UG	Underground
AB	Anchor Bolt	CS	Counter Sink	FR	Fire Resistant	LH	Left Hand	PNT	Painted	PROJ	Projection	UH	Unit Heater
APPRO	(Approximate	CNTR	Counter	FLR	Floor	LCT	Lenght	PN	Panel	PL	Property Line	UV	Unit Ventilator
ARCH	Architectural	CRS	Course	FD	Floor Drain	LGT	Light	PBD	Particle Board	PR	Primed	UR	Urinal
ATTN	Attenuation	DEMO	Demolish	FL	Flush	LF	Linear Feet	PLAS	Plaster	SST	Stainless Steel	VTR	Vent Through Roof
AUTO	Automatic	DET	Detail	FT	Foot	LTWT	Light Weight	PLAM	Plastic Laminate	STORM	Storm Sewer	VENT	Ventilator
BM	Beam	DIAG	Diagonal	FTG	Footing	LL	Live Load	QTY	Quantity	SECT	Section	VERT	Vertical
BRG	Bearing	DIA	Diameter	FDTN	Foundation	LOC	Location	RAD	Radius	SS	Service Sink	VEST	Vestibule
BIT	Bituminous	DIM	Dimension	FO	Frame Opening	LLH	Long Leg Horizontal	RWL	Rain Water Leader	SHT	Sheet	VCT	Vinyl Composition Tile
BLK	Block	DO	Ditto	FBO	Furnished By Owner	LLV	Long Leg Vertical	RECPT	Receptacle (Electric)	SIM	Similar	VIF	Verify In Field
BLKG	Blocking	DR	Door	FBC	Furnished By Contractor	LP	Low Point	REF	Reinforce (d) (ing)	SPKR	Speaker	VWC	Vinyl Wall Covering
BD	Board	DBL	Double	FUR	Furring	MH	Manhole	REQD	Required	SPEC	Specifications	WSCT	Wainscot
BOT	Bottom	DN	Down	GALV	Galvanized	MFR	Manufacturer	RESIL	Resilient	SQ	Square	WC	Water Closet
BRK	Brick	DWG	Drawing	GA	Gage	MAS	Masonry	RCP	Reinforced Concrete Pipe	SP	Stand Pipe	WR	Water Repellant
BC	Brick Course	EA	Each	GC	General Contractor	MO	Masonry Opening	RET	Return	STD	Standard	WS	Weather Strip
BLDG	Building	ELEC	Electrical	GL	Glass	MATL	Material	RA	Return Alr	STL	Steel	WGT	Weight
BUR	Built-Up Roofing	EL	Elevation	GB	Grab Bar	MAX	Maximum	REV	Revision, Revised	SD	Storm Drain	WWF	Welded Wire Fabric
BEJ	Brick Expans. Joint	EWC	Electric Water Cooler	GWB	Gypsum Wall Board	MECH	Mechanical	RH	Right Hand	SGT	Structural Glazed Tile	WGL	Wire Glass
CAB	Cabinet	ELEV	Elevator	HDCP	Handicap	MTL/S	Metals	RW	Right Of Way	STRUCTL	Structural	W/O	Without
CH	Cabinet Heater	EMERG	Emergency	HDW	Hardware	MTP	Metal Toilet Partition	R	Riser	SUSP	Suspended	WD	Wood
CSW	Casework	ENCL	Enclosure	HDWD	Hardwood	MIN	Minimum	RD	Roof Drain	SW	Switch	YD	Yard
CLG	Ceiling	EQ	Equal	HTR	Heater	MISC	Miscellaneous	RM	Room	SWBD	Switchboard		
CTR	Center	EQUIP	Equipment	HTG	Heating	MOD	Modular	RO	Rought Opening	SYM	Symmetrical		
C/L	Center Line	EO	Equipment By Owner	HVAC	Heating, Ventilation & Air	MHP	Mop Hopper	PLGL	Plate Glass	TB	Tackboard		
СТ	Ceramic Tile	EXF	Exhaust Fan		Conditioning	NAT	Natural	PLYWD	Plywood	TEL	Telephone		
CMU	Concrete Masonry Unit	EXIST	Existing	HGT	Height	NRC	Noise Reduction Coeficient	PLUB	Plumbing	TV	Television		
CLR	Clear	EXP	Expansion	HM	Hollow Metal	NIC	Not In Contract	PT/S	Point(s)	TEMP	Temperature, Temporary		
COL	Column	EXPJ	Expansion Joint	ID	Inside Diameter	NTS	Not To Scale	POL	Polished	TEMPGL	Tempered Glass		

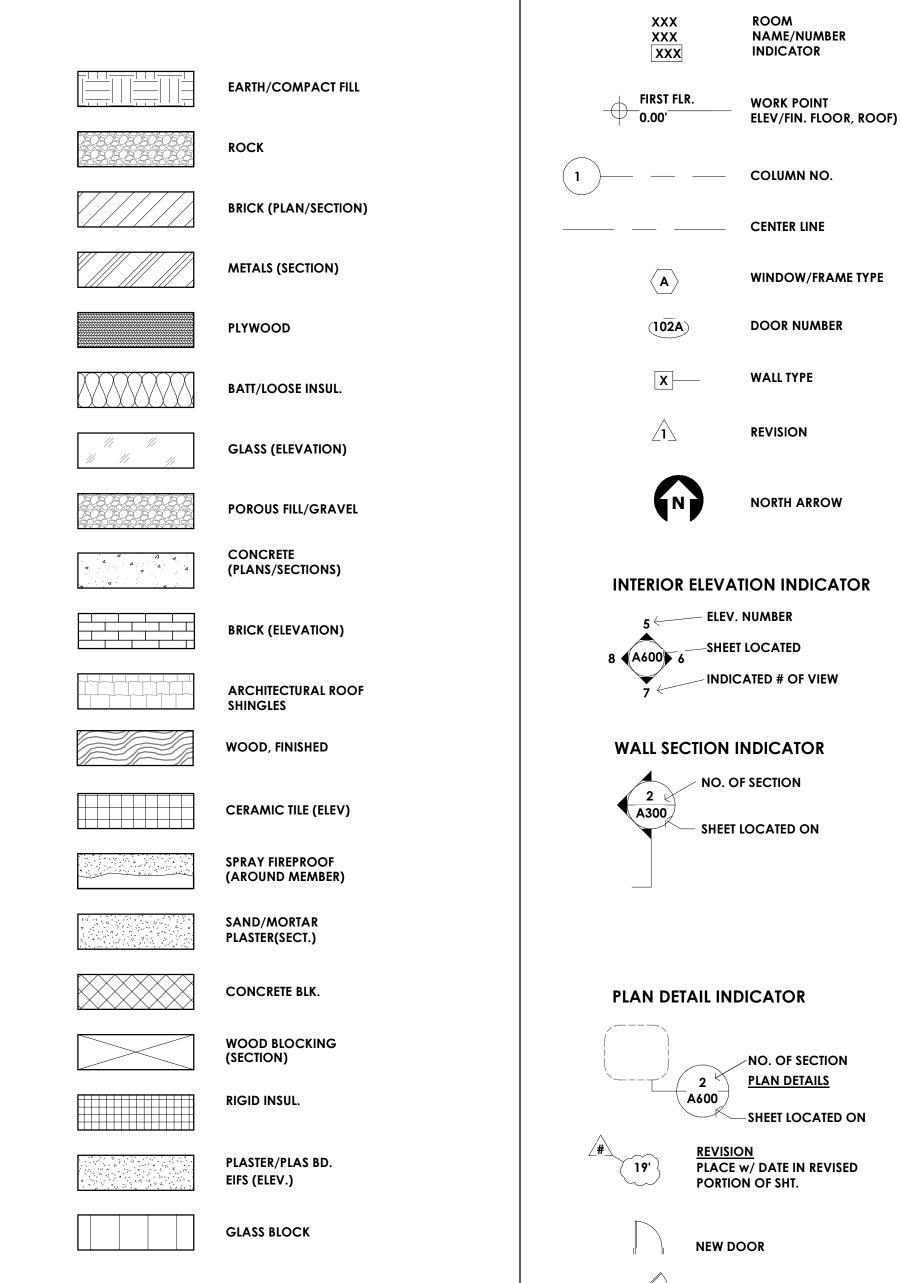
Nominal

Polished Plate Glass

TEX

Texture

MATERIALS SYMBOLS GRAPHIC SYMBOLS





Stamp:



Client:
Royal Wash Development
LLC

2851 Monroe Avenue

Rochester, NY 14618

OOR

Permit Set

EXISTING DOOR

Passero Associates

242 West Main Street, Suite 100
Rochester, NY 14614

(585) 325-1000
Fax: (585) 325-1691

peter Manager Peter Wehner, AIA Timothy Geier, AIA in the signer Peter Wehner, AIA Timothy Geier, AIA Date By Description

ARCHITECT'S CERTIFICATION

The architect certifies to the best of their knowledge and belief, the plans and specifications are in accordance with the applicable requirements of the "Building Code of New York State, and the Energy Conservation Construction Code of New York State."

Building Notes During Construction:

Contractor shall follow the New York State Building Code. They shall comply with chapter 33 "safeguards during construction" of New York State Building Code. This section covers safety during construction and the protection of adjacent public and private properties. The architect is not responsible for enforcing this on the contractor.

Symbols and

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NAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWIN IN VIOLATION OF STATE EDUCATION LAW ARTICLE 145 ECTION 7209 AND ARTICLE 147 SECTION 7307, THESE PLANS

Broadway and Transit Road

Details

Car Wash - Depew

Town/City: Fairport
County: Monroe State: New York

20223306.0001

A-001

August 17, 2022

CONSTRUCTION SPECIFICATIONS

- 1.0 GENERAL CONDITIONS
- 1.1 All work shall be in accordance with all applicable local, State and National Building Codes, including the Building Code of New York State and the Town of Depew requirements.
- General Conditions AIA Document A 201 is hereby made part of these documents as if originally bound herein. Contract for Construction shall be executed on an AIA Owner Contractor Agreement.
- The Contractor is responsible for field verifying all conditions shown prior to commencing with the work. Contractor shall report any inconsistencies in existing conditions and/or the drawings of new work to the attention of the Architect. Do not scale any dimensions. Verify all dimensions in the field. The Contractor shall be responsible for the coordination of all the trades.
- The Contractor shall be responsible for and shall remedy and/or replace any faulty, improper or inferior materials or equipment or workmanship which shall appear within a one (1) year period from completion of the work.
- The Contractor shall provide temporary toilet facilities for use by their forces.
- Do not scale drawings.
- Contractor shall design and provide any temporary shoring and bracing, etc., as needed for construction so as not to endanger the structural integrity of the structure.
- 1.8 Contractor to locate and avoid existing utilities during excavation.
- THERMAL & MOISTURE PROTECTION
- Insulation as noted on the drawings and as selected by the building owner.
- DOORS, WINDOWS AND GLAZING
- See plans and elevations, for manufacturer number and unit sizing.
- FINISHES
- Final finishes as selected by building owner.
- 10.0 SPECIALTIES At all exit doors at elevations and providing coverage at all areas within the new structure,
- provide exit signs, emergency exiting lights, etc. per NFPA requirements for a structure with an occupancy classified by the N.Y.S. Uniform Fire Prevention and Building Code as a B Occupancy.
- 22.0 PLUMBING Specified by others.
- 26.0 ELECTRICAL
- All electrical systems are to be specified by others. (see note below)
- 31.0 SITE WORK SEE SITE DRAWINGS PROVIDED BY OTHERS

GENERAL STRUCTURAL NOTES

1. DESIGN AND CONSTRUCTION SHALL CONFORM TO THE "2020 Building Code of New York State".

- 2. LIVE LOADS:
- SLAB ON GRADE = 125 psf LIGHT STORAGE
- 3. SNOW LOADS:
- Pg = 50psf, Pf = 38.5psfIs = 1.0, Ce = 1.0, Ct = 1.1
- 4. WINDS LOADS: V = 115mph, Iw = 1.0, EXPOSURE = B, GCpi = ± 0.18
- 5. SEISMIC LOADS:
- RISK CATEGORY = II Ss = .168, S1 = .045
- SITE CLASS = D
- SEISMIC DESIGN CATEGORY = B
- LATERAL FORCE RESISTING SYSTEM = ORDINARY REINFORCED CMU WALLS
- ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE

FOUNDATION & FLOOR SLAB NOTES

- FOOTING DESIGN IS BASED ON AN ASSUMED SOIL BEARING CAPACITY OF 2,000 PSF. VERIFY SOIL CONDITIONS PRIOR TO CONSTRUCTION.
- 2. CONTRACTOR TO BE RESPONSIBLE FOR ALL SUBGRADE CONDITIONS. VERIFY THE ACTUAL SOIL BEARING CAPACITY AT THE SITE AND NOTIFY THE ARCHITECT IN WRITING IF IT IS DETERMINED TO BE LESS THAN 2,000 PSF.
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS ETC. IN FIELD AND NOTIFY ARCHITECT OF ANY DISCREPANCIES. CONTRACTOR SHALL ALSO VERIFY EXISTING BELOW GRADE UTILITIES.
- 4. EXCAVATION FOR FOUNDATIONS SHALL BE TAKEN TO FIRM UNDISTURBED

DENSITY AS DETERMINED BY THE MODIFIED PROCTOR METHOD.

SOIL, DRY AND FREE FROM FROST OR LOOSE MATERIAL.

- 5. BACKFILL BELOW GRADE SHALL BE WELL GRADED SAND AND GRAVEL OR CRUSHER RUN STONE HAVING A MAXIMUM SIZE OF 3" AND NO MORE THAN 10% PARTICLES PASSING THE #200 SIEVE. BACKFILL SHALL BE PLACED IN 6" TO 8" LIFTS. EACH LIFT SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM
- 6. ALL PIPING SLEEVES THROUGH FOUNDATION WALLS AND FOOTING STEPS TO ACCOMMODATE PIPING SHALL BE COORDINATED WITH THE PLUMBING CONTRACTOR/DRAWINGS.
- 7. CONCRETE COVER FOR REINFORCEMENT: CONCRETE CAST AGAINST EARTH...... CONCRETE EXPOSED TO WEATHER OR EARTH......2" CONCRETE SLAB TOP COVER.....
- BOTTOM OF ALL FOOTINGS SHALL BE A MINIMUM OF 4-0" BELOW GRADE.
- NO BACKFILLING OF FOUNDATION WALLS TO BE DONE UNLESS WALLS ARE ADEQUATELY BRACED OR FILLING IS BALANCED.
- 10. PROVIDE A #4 x4'-0"Lg. REBAR IN CONCRETE SLABS ACROSS ALL REENTRANT CORNERS AND CORNERS OF RECTANGULAR SLAB OPENINGS. AND AROUND THE PERIMETER OF ROUND SLAB OPENINGS.
- 11. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING IN ALL WALLS AND FOOTINGS.
- 12. PROVIDE CONTROL JOINT FOR SLAB-ON-GRADE AS SHOWN ON DRAWINGS.

CONCRETE NOTES

- 1. CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM TO ACI 318-14 AND ACI 301-10.
- 2. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS FOR CONCRETE FOOTINGS SHALL BE 3,000psi, MAX. W/C RATIO = 0.55
- 3. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS FOR CONCRETE SLAB SHALL BE 4,500 psi AT EXTERIOR SLAB. MAX. W/C RATIO = 0.45 AND $6\% \pm 1.5\%$ AIR ENTRAINMENT.
- 4. ALL CONCRETE EXPOSED TO WEATHER SHALL HAVE 4% TO 6% ENTRAINED AIR.
- 5. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185, AND SHALL BE SUPPLIED IN SHEETS ONLY.
- 6. THE REINFORCING STEEL CONTRACTOR SHALL FABRICATE ALL REINFORCEMENT AND FURNISH ALL ACCESSORIES, CHAIRS, SPACER BARS AND SUPPORTS NECESSARY TO SECURE THE REINFORCEMENT UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
- 7. SUBMIT SHOP DRAWINGS FOR REINFORCING STEEL TO THE ARCHITECT FOR REVIEW BEFORE
- 8. SUBMIT CONCRETE MIX DESIGNS TO THE ARCHITECT FOR REVIEW BEFORE BEGINNING CONSTRUCTION.

MASONRY CONSTRUCTION

- 1. CONCRETE MASONRY SHALL CONFORM TO THE REQUIREMENTS OF ACI 530-13.
- 2. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C-90, TYPE 1, GRADE N, MOISTURE CONTROLLED UNITS, MORTAR SHALL BE TYPE M OR S, PROVIDE GALVANIZED HORIZONTAL JOINT REINFORCING AT 16"O.C. UNLESS NOTED OTHERWISE. CONCRETE MASONRY WALLS SHALL HAVE CONTROL JOINTS SPACED NO FURTHER THAN 25'-0" APART IN CONTINUOUS EXTERIOR AND INTERIOR WALLS.
- 3. GROUT FOR FILLING BLOCK CORES SHALL CONFORM TO ASTM C476 WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,000psi AT 28 DAYS. GROUT SHALL BE PLACED IN LIFTS NOT EXCEEDING 7 COURSES IN HEIGHT UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 4. COORDINATE LOCATION OF ALL MASONRY WALLS, PARTITIONS AND OPENINGS WITH ARCHITECTURAL DRAWINGS.
- 5. LAP SPLICES IN VERTICAL REINFORCING FOR CONCRETE BLOCK MASONRY WALLS AND PILASTERS SHALL BE A MINIMUM OF 48 BAR DIAMETERS UNLESS DETAILED OTHERWISE ON THE DRAWINGS.
- 6. ALL LINTELS AT MASONRY OPENINGS SHALL HAVE 8" OF BEARING AT EACH END. ALL EXTERIOR LINTELS SHALL BE HOT DIPPED GALVANIZED.
- REFERENCE ARCHITECTURAL DRAWINGS AND PROJECT SPECIFICATIONS FOR CONTROL JOINT LOCATION REQUIREMENTS. ALL BOND BEAM REINFORCEMENT TO BE CONTINUOUS AT CONTROL JOINT LOCATIONS. SCORE BOND BEAM SHELL 3/8" EACH SIDE AT CONTROL
- 8. ALL MASONRY WALL BELOW GRADE SHALL BE GROUTED SOLID.

STEEL NOTES

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE 2016 AISC SPECIFICATION AND CODE OF STANDARD PRACTICE.
- 2. STRUCTURAL STEEL GRADES (UNLESS NOTED OTHERWISE ON PLAN): STRUCTURAL STEEL, W-SECTIONS: ASTM A572 (ASTM A992), Fy = 50ksi STRUCTURAL STEEL, ANGLES, PLATES & CHANNELS: ASTM A36, Fy = 36ksi STRUCTURAL STEEL ROUND OR SQUARE TUBING: ASTM A500, Fy = 46ksi ANCHOR BOLTS: ASTM F1554 BOLTS: A325N
- 3. WELDING SHALL CONFORM TO AWS D1.1 ELECTRODES SHALL BE E70XX.
- 4. STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH AN ALKYD PRIMER PAINT. AFTER ERECTION TOUCH UP ALL AREAS WHERE PAINT IS MISSING OR DAMAGED INCLUDING FIELD WELDS.
- 5. ALL EXTERIOR STEEL TO BE GALVANIZED.

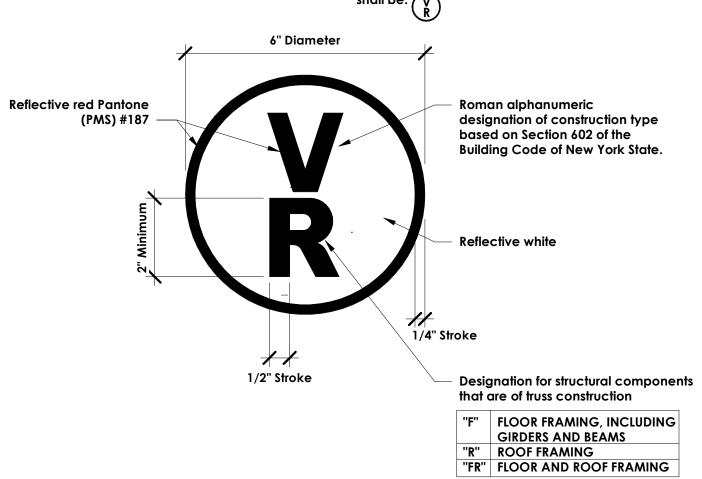
LIGHT GAUGE NOTES

- 1. LIGHT GAUGE STEEL INCLUDES ALL LIGHT GAUGE STEEL BEAMS, JOISTS, TRACK, BRIDGING AND
- RELATED ACCESSORIES AS INDICATED ON THE DRAWINGS.
- DESIGN, FABRICATION AND ERECTION OF LIGHT GAUGE STEEL FRAMING SHALL BE IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
- THE STEEL USED SHALL HAVE THE FOLLOWING MINIMUM YIELD STRESS: STEEL STUDS AND JOISTS - 12, 14 OR 16 GAUGE 50 KSI TRACK, BRIDGING AND RELATED ACCESSORIES 33 KSI STEEL STUDS AND JOISTS - 18 OR 20 GAUGE 33 KSI
- ALL LIGHT GAUGE STEEL FRAMING SHALL BE GALVANIZED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

WOOD NOTES

- WOOD CONSTRUCTION SHALL CONFORM TO THE AMERICAN FOREST AND PAPER ASSOCIATION'S (AF&PA) NATIONAL DESIGN SPECIFICATIONS. LUMBER SHALL BE #2 HEM-FIR OR BETTER WITH Fb=850 psi, Fv=150 psi AND E=1,300,000 psi.
- WOOD IN CONTACT WITH MASONRY, CONCRETE OR EARTH, OR WITHIN 1'-0" OF GRADE OR EXPOSED TO THE EXTERIOR SHALL BE PRESSURE PRESERVATIVE TREATED.
- MICRO-LAM LUMBER AND TRUS-JOISTS SHALL BE AS MANUFACTURED BY "TRUS-JOIST". BEAMS SHALL BE PROPERLY FASTENED TOGETHER WITH A MINIMUM OF 2 ROWS OF 16d NAILS PER FOOT. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
- FRAMING ANCHORS AND MISCELLANEOUS METAL DEVICES FOR WOOD FRAMING SHALL BE GALVANIZED STEEL OF AT LEAST 16 GAGE THICKNESS INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. USE NAILS SUPPLIED BY OR RECOMMENDED BY THE MANUFACTURER.
- ROOF TRUSSES, INCLUDING DESIGN, CONNECTIONS, BRACING, ERECTION, AND QUALITY SHALL CONFORM TO THE SPECIFICATIONS AND RECOMMENDATIONS OF NFPA AND THE TRUSS PLATE INSTITUTE (TPI). TEMPORARY AND PERMANENT BRACING SHALL BE IN STRICT ACCORDANCE WITH ANSI/TP3-2014, BRACING WOOD TRUSSES. TRUSS MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE AS NECESSARY TO ENSURE THAT TRUSSES AND BRACING IS INSTALLED PER MANUFACTURER'S SHOP DRAWINGS.
- SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS FOR ROOF TRUSSES, PREPARED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK, TO THE ARCHITECT FOR REVIEW BEFORE BEGINNING FABRICATION.
- FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PERSERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVINIZED STEEL OR STAINLESS STEEL.

TRUSS IDENTIFICATION SIGNAGE: Required signage for this project shall be: (V)



SIGN LOCATION	SIGN PLACEMENT
EXTERIOR BUILDING ENTRANCE DOORS, EXTERIOR EXIT DISCHARGE DOORS, AND EXTERIOR ROOF ACCESS DOORS TO A STAIRWAY	ATTACHED TO THE DOOR, OR ATTACHED TO A SIDELIGHT OR THE FACE OF THE BUILDING, NOT MORE THAN 12 INCHES (305 MM) HORIZONTALLY FROM THE LATCH SIDE OF THE DOOR JAMB, AND NOT LESS THAN 42 INCHES (1067 MM) NOR MORE THAN 60 INCHES (1524 MM) ABOVE THE ADJOINING WALKING SURFACE.
MULTIPLE CONTIGUOUS EXTERIOR BUILDING ENTRANCE OR EXIT DISCHARGE DOORS	ATTACHED AT EACH END OF THE ROW OF DOORS AND AT A MAXIMUM HORIZONTAL DISTANCE OF 12 FEET (3.65M) BETWEEN SIGNS, AND NOT LESS THAN 42 INCHES (1067 MM) NOR MORE THAN 60 INCHES (1524 MM) ABOVE THE ADJOINING WALKING SURFACE
FIRE DEPARTMENT HOSE CONNECTIONS	ATTACHED TO THE FACE OF THE BUILDING, NOT MORE THAN 12 INCHES (305 MM) HORIZONTALLY FROM THE CENTER LINE OF THE FIRE DEPARTMENT HOSE CONNECTION, AND NOT LESS THAN 42 INCHES (1067 MM) NOR MORE THAN 60 INCHES (1524 MM) ABOVE THE ADJOINING WALKING SURFACE

Conditioned Space

Breakroom

The total occupant count: 25 occupants

The occupant count is based on square foot area for

Business areas - including wash tunnel (150 gross)

Storage and Mechanical areas (300 gross)

First Floor Code Plan

each space fuction:

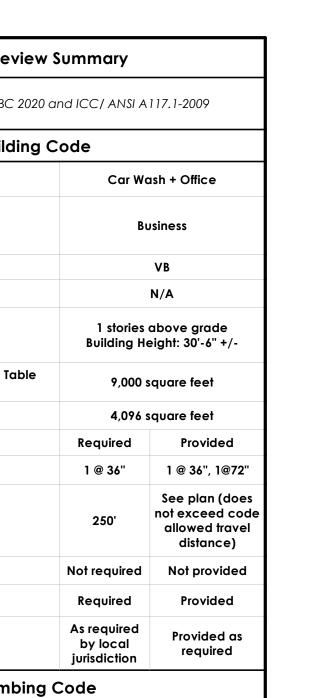
Equipment Room

4 occ.

Wash Tunnel

17 occ.

Code Review Summary							
Applicable Codes: NYSBC 2020 and ICC/ ANSI A117.1-2009							
Building C	ode						
Building Use/Description Car Wash + Office							
Occupancy (ies) Business							
Construction Type		VB					
Hazard Classification		N/A					
No. of Stories/Building Height		above grade eight: 30'-6" +/-					
Base Fire Area (non-sprinklered, Table 506.2)	9,000 square feet						
Project Area	4,096 square feet						
	Required	Provided					
Exits: Number and Size (inches)	1 @ 36"	1 @ 36", 1@72"					
Max. Travel Distance	250'	See plan (does not exceed code allowed travel distance)					
Automatic Sprinklers	Not required	Not provided					
Smoke and Fire Detection	Required	Provided					
Fire Alarms	As required by local jurisdiction Provided as						
Plumbing (Code						
	Required	Provided					
Water Closet (total)	1	1					
Lavatories	1	1					
Drinking Fountains	1	1 sink substituted					
Service Sink	1	1					





engineering architecture

Royal Wash Development

2851 Monroe Avenue Rochester, NY 14618

Passero Associates 242 West Main Street, Suite 100 (585) 325-1000

NAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWIN S IN VIOLATION OF STATE EDUCATION LAW ARTICLE 145 ECTION 7209 AND ARTICLE 147 SECTION 7307, THESE PLANS

Peter Wehner, Al-

Timothy Geier, AlA

Description

Code Review and Specifications

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Broadway and Transit Road

Car Wash - Depew

Town/City: Fairport State:New York County: Monroe

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August 17, 2022

		Table 1705.3							
REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION									
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	referenced Standard	IBC REFERENCE					
. INSPECT REINFORCEMENT AND VERIFY PLACEMENT	-	Х	ACI 318 CH. 20, 25.2, 25.3, 26.5.1-26.5.3	1908.4					
2. REINFORCING BAR WELDING: a. VERIFY WELDABILITY OF REINFORCING BARS DTHER THAN ASTM A706; b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND c. INSPECT ALL OTHER WELDS	- - X	X X -	AWS D1.4 ACI 318: 26.5.4	-					
3. INSPECT ANCHORS CAST IN CONCRETE	-	Х	ACI 318: 17.8.2	-					
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. • a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED DRIENTATIONS TO RESIST SUSTAINED TENSION LOADS b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	X -	- X	ACI 318: 17.8.2.4 ACI 318: 17.8.2	-					
5. VERIFY USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3					
5. PRIOR TO CONCRETE PLACEMENT, FABRICATE PECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. 506.2)	X	-	ASTM C172, ASTM C31, ACI 318: 26.4.5, 26.12	1908.10					
7. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHINQUES.	X	-	ACI 318 26.4.5	1908.6, 1908.7, 1908.8					
S. VERIFY MAINTENANCE OF SPECIFIED CURING EMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.4.7-26.4.9	1908.9					
. INSPECT FORMWORK FOR SHAPE, LOCATION ND DIMENSIONS OF THE CONCRETE MEMBER EING FORMED.	-	Х	ACI 318:26.10.1(b)	-					

ı	
ı	NOTE

a. Where applicable, See also Section 1705.12 of IBC, Special Inspections for Seismic Resistance.
b. Specific requirements for Special Inspection shall be included in the Research Report for the anchor Issued by an approved Source in accordance with 17.8.2 in aci 318, or other qualification procedures. Where Specific Requirements are not provided, Special Inspection requirements shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of the work.

	Tal	ole 1705.4			
required s	PECIAL INSPECTIONS	AND TESTS OF MASC	ONRY CONSTRUCTIO	N	
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCE		
			ACI 530/ASCE 5/ TMS 402	ACI 530.1/ASCE 6/ TMS 602	IBC REFERENCE
1. FROM THE BEGINNING OF MASONRY CONSTRUCTION, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE: a. PROPORTIONS OF SITE-MIXED MORTAR, GROUT. b. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OR MORTAR JOINTS. c. PLACEMENT OF REINFORCEMENT AND CONNECTORS. d. GROUT SPACE PRIOR TO GROUTING. e. PLACEMENT OF GROUT.		X X X X	SEC. 1.12.3	ART. 2.6A ART. 3.3B ART. 3.4 ART 3.2D ART 3.5	
2. THE INSPECTION PROGRAM SHALL VERIFY: a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS. b. TYPE, SIZE AND LOCATIONS OF ANCHORS INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION c. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT. d. WELDING OF REINFORCING BARS. e. PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).	X	X X X	SEC. 1.15.4, 2.1.2 SEC. 1.12 SEC. 2.1.8.6, 2.1.8.6.2	ART. 3.3G ART. 2.4, 3.4 ART. 1.8	2108.9.2.11 ITEM 2 2104.3, 2104.4
3. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.		X		ART. 1.4	2105.3, 5105.4, 2105.5
4. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.		X		ART. 1.5	

a.WHERE APPLICABLE, SEE ALSO SECTION 1705.12 OF IBC, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.

Table 1705.5								
required special inspections and verification of wood construction								
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	IBC REFERENCE					
1. INSPECTION TO FABRICATORS: a. VERIFY THAT THE FABRICATOR MAINTAINS DETAIL FABRICATION AND QUALITY CONTROL PROCEDURES. EXCEPTION: FABRICATORS THAT ARE APPROVED IN ACCORDANCE WITH 1704.2.5.1.		X	1704.2.5.1					

Table 1705.6									
REQUIRED SPECIAL INSPECTIONS AND VERIFICATION OF EARTHWORK									
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	IBC REFERENCE						
1. PRIOR TO PLACING ENGINEERED OR ON-SITE FILL MATERIAL, CONFIRM THAT SUBGRADE HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROJECT GEOTECHINCAL ENGINEER PACKAGE.		Х	1704.7.1						
2. DURING PLACEMENT AND COMPACTION OF FILL MATERIAL, VERIFY THAT THE MATERIAL AND ITS METHOD OF PLACEMENT AND COMPACTION CONFORM TO THE REQUIREMENTS OF BOTH THE PROJECT GEOTECHNICAL ENGINEER AND THE CONTRACT DOCUMENTS.		X	1704.7.2						
3. VERIFY FINAL IN-PLACE FILL MATERIAL DENSITY MEETS THE PROJECT GEOTECHNICAL ENGINEER AND CONTRACT DOCUMENT REQUIREMENTS.		Х	1704.7.3						
4. INSPECT FOUNDATION BEARING STRATA PRIOR TO PLACING CONCRETE FOR CONFORMANCE WITH GEOTECHNICAL EVALUATION REPORT.	X								
5. VERIFY THAT UNDERSLAB GRANULAR FILL AND ITS METHOD OF PLACEMENT CONFORM TO THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL ENGINEER AND THE CONTRACT DOCUMENTS.		Х							



Stamp



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Royal Wash Development
LLC

2851 Monroe Avenue Rochester, NY 14618

 Passero Associates

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 (585) 325-1000

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Date By Description

Peter Wehner, AIA Timothy Geier, AIA

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Special Inspections

Broadway and Transit Road

Car Wash - Depew

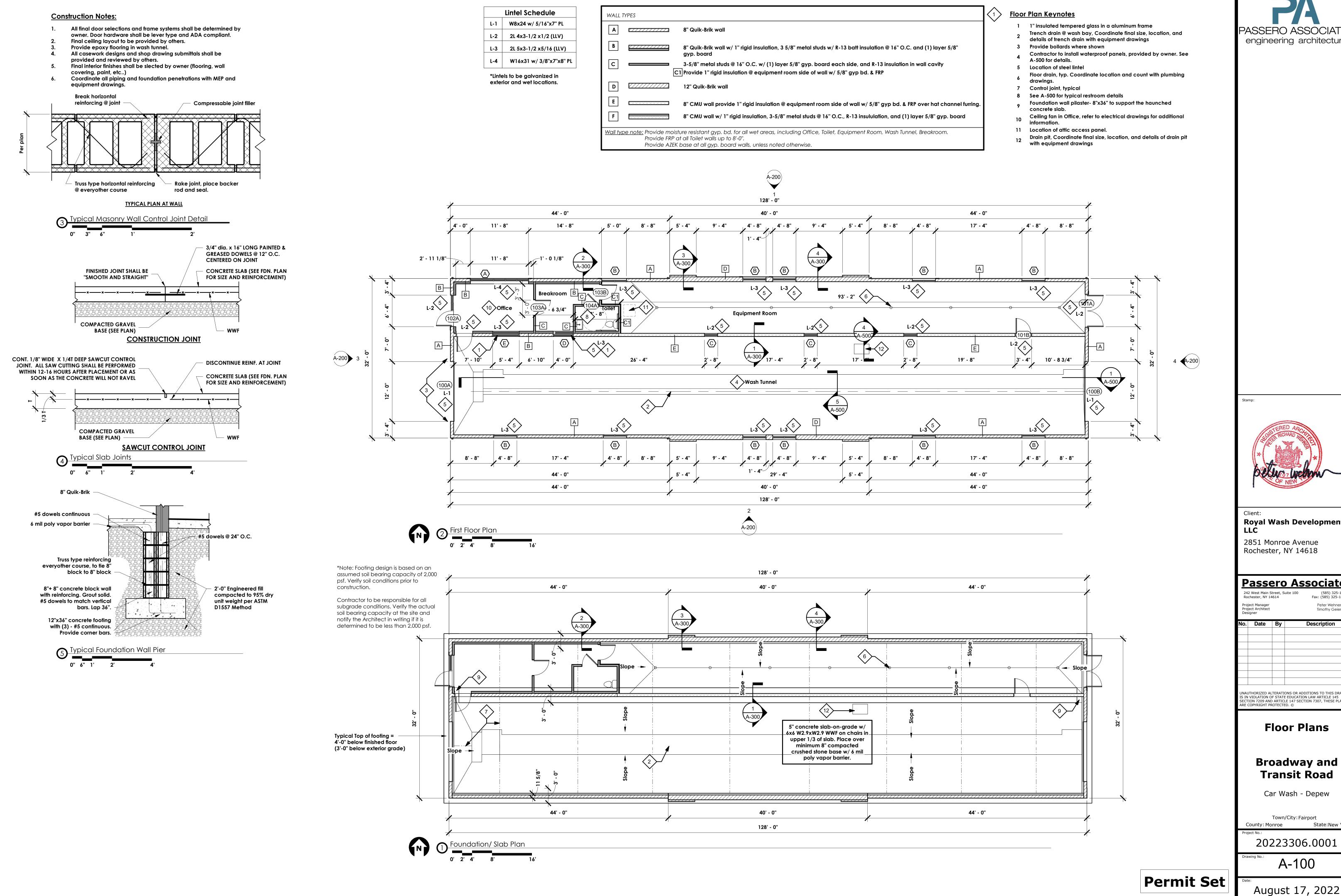
Town/City: Fairport
ty: Monroe State: New York

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engineering architecture



Royal Wash Development

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Floor Plans

Broadway and Transit Road

Town/City: Fairport State:New York

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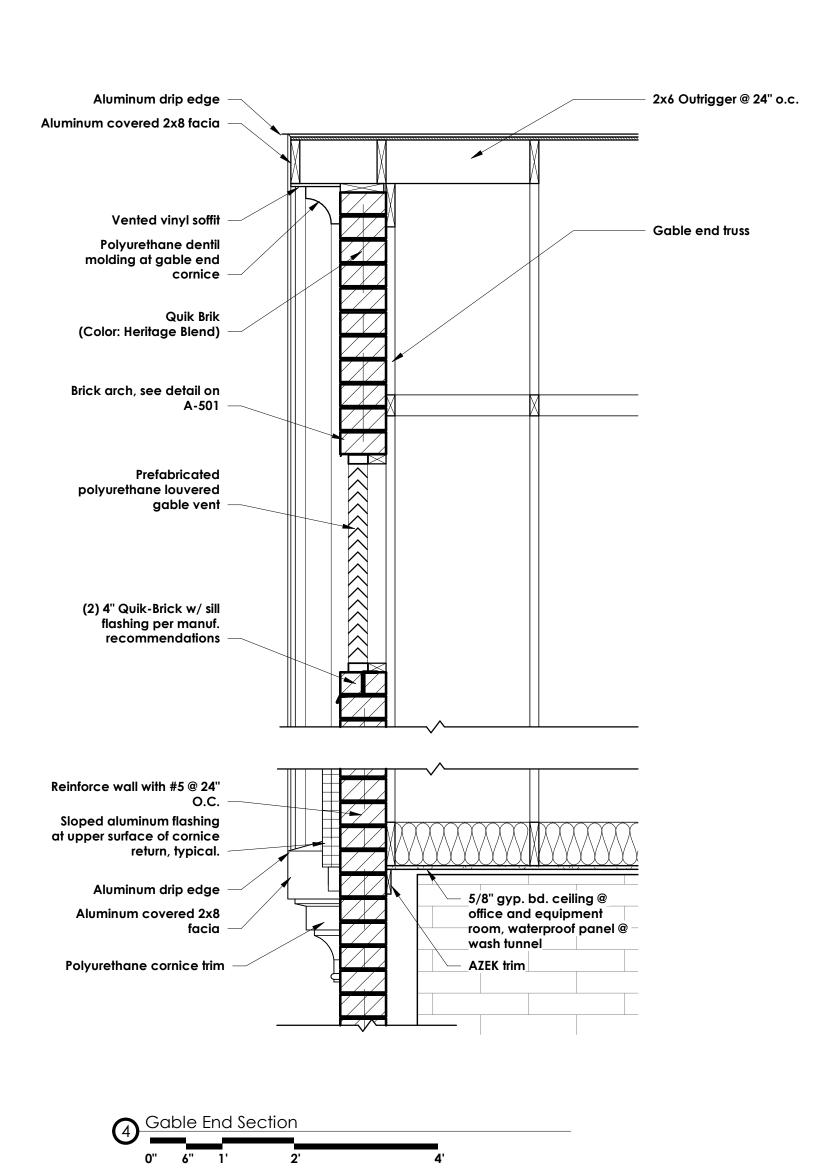
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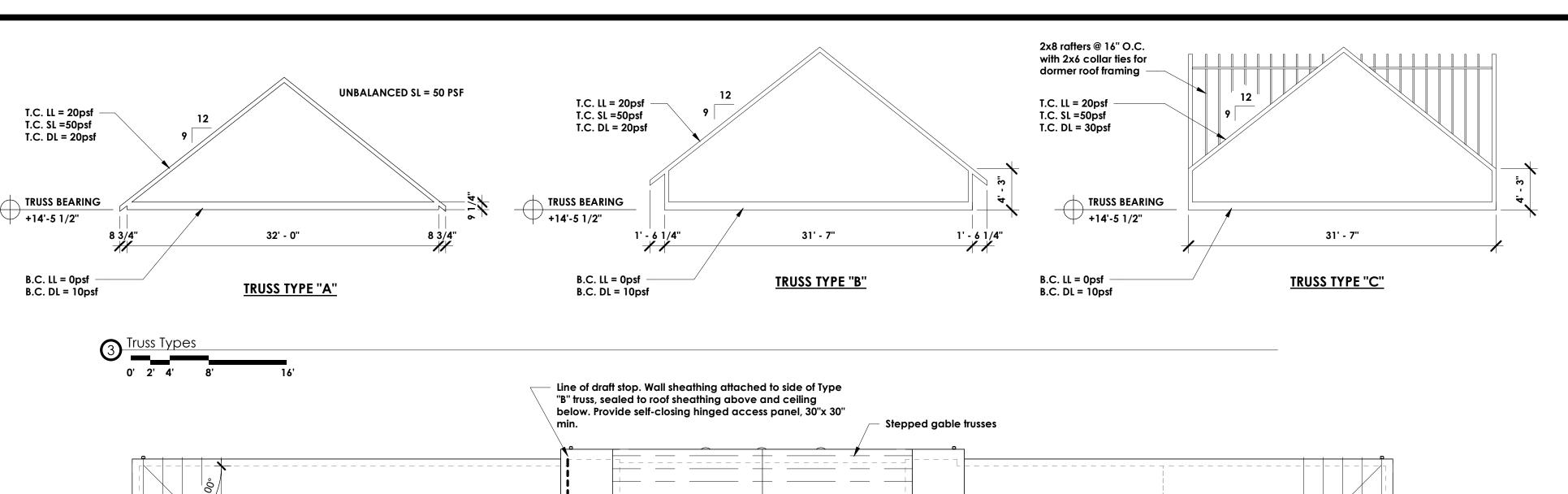
WOOD FRAMING NOTES:

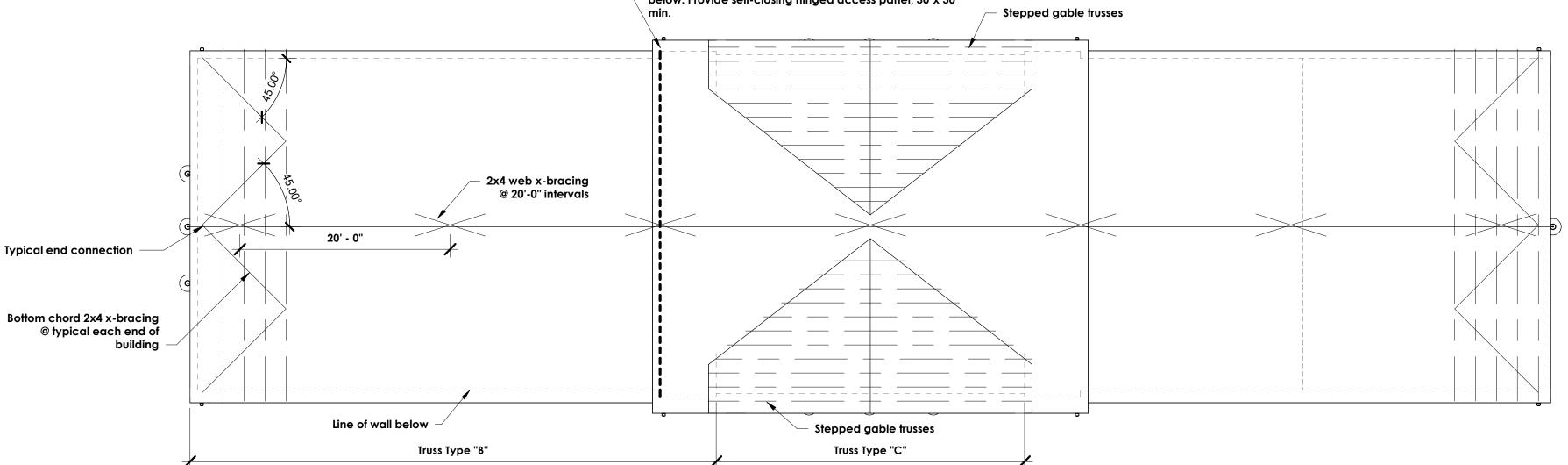
- WALL SHEATHING SHALL BE APA RATED 15/32" MIN. THK. PLYWOOD SHALL BE EXTERIOR GRADE. NAILING SHALL BE 6d NAILS 6" O.C. AT EDGES AND 12" O.C. AT INTERIOR SUPPORTS.
- ROOF SHEATHING SHALL BE APA RATED 32/16. W/ MIN. THK. OF 15/32". PLYWOOD SHALL BE EXTERIOR GRADE. PANEL CLIPS SHALL BE PROVIDED AT ALL NON-SUPPORTED EDGES. NAILING SHALL BE 6d NAILS 6" O.C. AT EDGES AND 12" O.C. AT INT. SUPPORTS, PROVIDE RECOMMEDNED GAP AT ALL PANEL JOINTS.
- ROOF TRUSSES SHALL BE DESIGNED FOR LOADS AS INDICATED. LIVE LOAD DEFLECTION SHALL NOT EXCEED L/240 OF THE SPAN. ROOF TRUSSES SHALL BE MANUFACTURED BY SUPPLIERS MEETING THE STANDARDS OF TPI. SHOP DRAWINGS SHALL BE STAMPED AND SIGNED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER.
- TRUSSES SHALL BE BRACED DURING ERECTION IN ACCORDANCE WITH "COMMENTARY AND RECOMMENDATIONS FOR BRACING WOOD TRUSSES" PUBLISHED BY THE TRUSS PLATE INSTITUTE.
- TEMPORARY TRUSS BRACING SHALL NOT BE REMOVED UNTIL PERMANENT LATERAL TRUSS BRACING IS INSTALLED AND ALL OTHER IMPROVEMENTS ARE COMPLETE.
- PERMANENT BOTTOM CHORD TRUSS BRACING SHALL BE PROVIDED IN THE PLANE OF THE TRUSS BOTTOM CHORD AND SHALL CONSIST OF BOTH LATERAL BRACING SPACED NOT MORE THAN 10 FEET ON CENTER AND DIAGONAL BRACED BAYS AT BUILDING ENDS AND INTERMEDIATE INTERVALS NO GREATER THAN 20 FEET ON CENTER. BRACING SHALL BE CONST. GRADE 2X4, UNLESS NOTED.
- PERMANENT WEB TRUSS BRACING SHALL BE PROVIDED IN THE PLANE OF THE TRUSS WEB MEMBERS AND SHALL CONSIST OF DIAGONAL BRACING SPACED AT NOT MORE THAN 20 FEET ON CENTER. BRACING SHALL BE CONST. GRADE 2X4'S PLACED AT NEAR 45 DEG. ANGLES
- PERMANENT TRUSS BRACING SHALL BE ANCHORED TO SOLID END WALLS.
- NO SPLICES, CUTS, OR OTHER MODIFICATIONS SHALL BE MADE TO TRUSS MEMBERS UNLESS APPROVED BY THE ENGINEER OR SHOWN ON THE SHOP DRAWINGS.
- TRUSS DESIGNS SHALL BE FURNISHED WITH A SETTING PLAN SHOWING LOCATION OF PIECES AND ANY BRIDGING AS REQUIRED BY THE TRUSS DESIGN.
- STRUCTURAL DIMENSION LUMBER SHALL HAVE THE FOLLOWING MINIMUM DESIGN PROPERTIES:
 - A. HEM FIR NO.2 OR BETTER.
 - 1.850 PSI Fb (SINGLE USE) 2. 977 PSI - Fb (REPETITIVE USE)
 - 3. 405 PSI Fc (PERP. TO GRAIN)
- 4. 75 PSI Fv

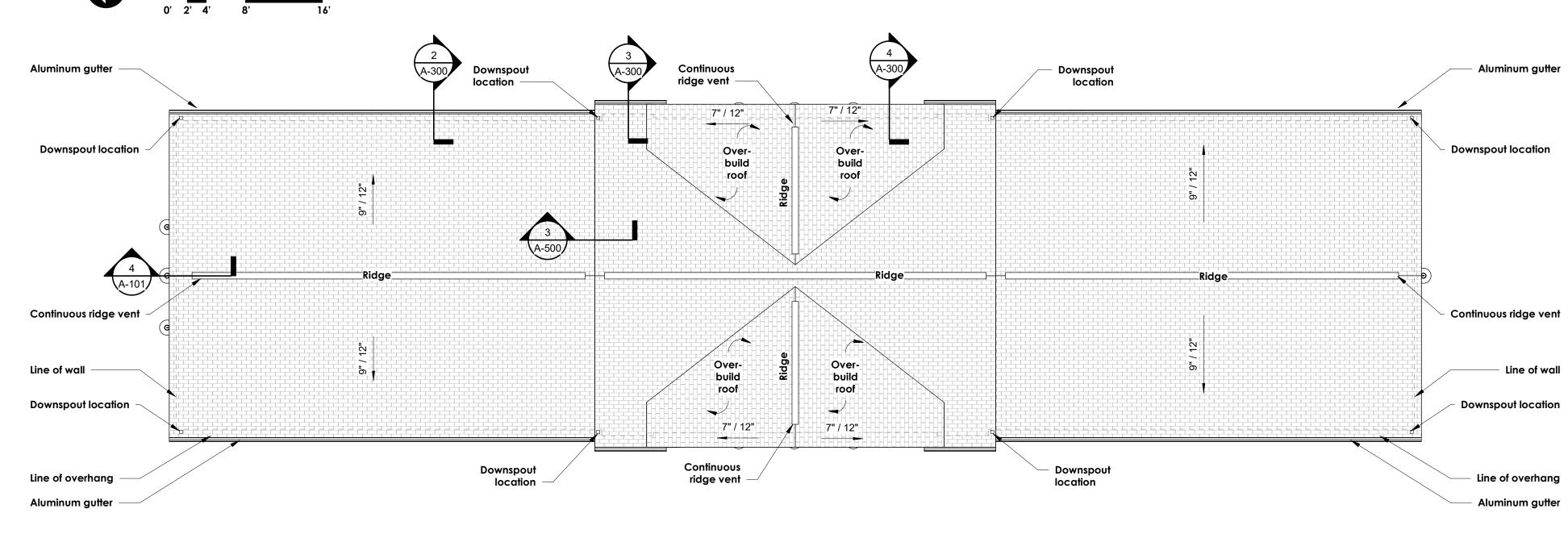
TRUSS NOTES: 5. 1,300,000 PSI - E

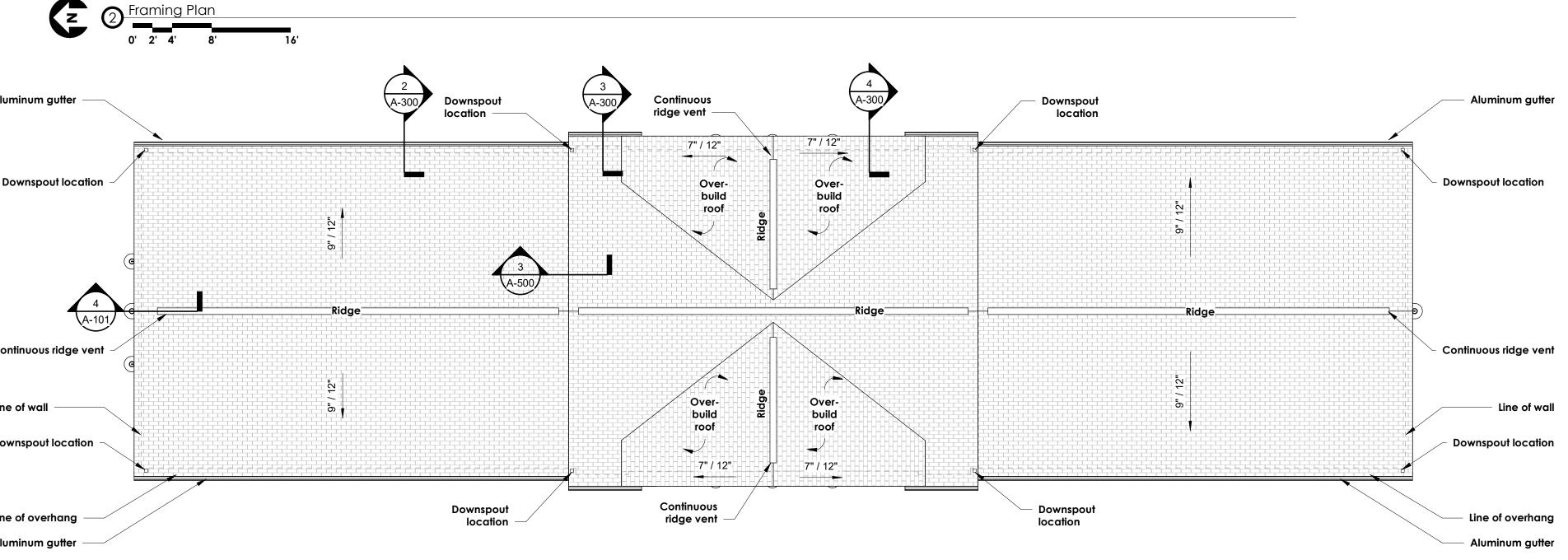
- TRUSS PROFILE SHOWN FOR REFERENCE ONLY MANUFACTURER IS RESPONSIBLE FOR CHORD LAYOUT AS REQUIRED FOR DESIGN LOAD
- PROVIDE TRUSS BRACING AS INDICATED PER DIAGRAM. PROVIDE GYP BOARD BOTTOM CHORD DIAPHRAGM OR 2X4s @24" O.C. EXTENDED TO END BRACING.
- (2) ROWS OF ICE & WATER SHIELD
- ICE & WATER SHIELD @ VALLEYS, INSTALL PER MANUF. RECOMMENDATIONS & BUILDING CODE
- UNBALANCED SNOW LOAD PER CODE REQUIREMENTS.
- SEE SCHEMATIC TRUSS TYPES FOR DESIGN LOADS
- INSTALL ANY PIGGYBACK TRUSSES PER MANUF. STANDARD INSTALLATION DETAILS AND REQUIREMENTS











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Timothy Geier, AIA

Description

Roof Plans

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