GATEWAY BUSINESS PARK

PINEWILD DRIVE, GREECE NY

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ABBREVIATIONS

AB	ANCHOR BOLT	EA	EACH	KIT	KITCHEN	S/S	STAINLESS STEEL
ACC	ACCESS	EIFS	EXT INSUL FINISH SYSTEM	L	LENGTH/LONG	SCW	SOLID CORE WOOD
ACT	ACOUSTICAL CEILING TILE	EJ	EXPANSION JOINT	LAM	LAMINATE(D)	SCH	SCHEDULE
ADD	ADDENDUM	ELEV	ELEVATION	LAV	LAVATORY	SECT	SECTION
ADJ	ADJUSTABLE	ELEC	ELECTRIC(AL)	LIN	LINEAR	SF	SQUARE FOOT (FEET)
AFF	ABOVE FINISHED FLOOR	EM	EMERGENCY	LLH	LONG LEG HORIZONTAL	SHT	SHEET
AGG	AGGREGATE	ENCL	ENCLOSURE	LLV	LONG LEG VERTICAL	SHTRK	SHEETROCK
ALUM	ALUMINUM	EQ	EQUAL	LP	LOW POINT	SIM	SIMILAR
ALT	ALTERNATE	EQUIP	EQUIPMENT	LW	LONG WAY	SPEC	SPECIFICATION(S)
AP	ACCESS PANEL	EST	ESTIMATE(D)			SQ	SQUARE
APPROX	APPROXIMATE(LY)	ETR	EXISTING TO REMAIN	MAX	MAXIMUM	ST	STREET
ARCH	ARCHITECTURAL	EW	EACH WAY	MECH	MECHANICAL	STD	STANDARD
ASPH	ASPHALT	EXIST.(E)	EXISTING	MED	MEDIUM	STL	STEEL
AVG	AVERAGE	EXP	EXPANSION (EXPAND)	MEM	MEMBER	STOR	STORAGE
		EXT	EXTERIOR	MEMB	MEMBRANE	STR	STRUCTURE(AL)
BD	BOARD	FAB	FABRICATE	MEP	MECHANICAL/ ELECTRICAL/ PLUMBING	SUSP	SUSPENDED
BTW	BETWEEN	FD	FLOOR DRAIN			SY	SQUARE YARD
BLDG	BUILDING	FNDN	FOUNDATION			SYM	SYMMETRY(ICAL)
BLK	BLOCK	FE	FIRE EXTINGUISHER	MTL	METAL	SYS	SYSTEM
BLKG	BLOCKING	FEC	FIRE EXTINGUISHER CABINET	MANF	MANUFACTURER	T	TREAD
BM	BEAM	FF	FINISHED FLOOR	MIN	MINIMUM	TEL	TELEPHONE
BN	BENCHMARK	FIG	FIGURE	MISC	MISCELLANEOUS	TEMP	TEMPORARY
BO	BOTTOM OF	FIN	FINISH(ED)	MLDG	MOLDING	TERR	TERRAZZO
BOT	BOTTOM	FIX	FIXTURE	MO	MASONRY OPENING	THK	THICK
BRG	BEARING	FL	FLANGE	MR	MOISTURE RESISTANT	TO	TOP OF
BSMT	BASEMENT	FLEX	FLEXIBLE	MSS	MOP SERVICE SINK	TOC	TOP OF CURB
BUR	BUILT-UP-ROOF	FLR	FLOOR(ING)	MTD	MOUNTED	TOM	TOP OF MASONRY (CONCRETE)
CAB	CABINET	FM	FLOOR MOUNTED	MULL	MULLION	TOP	TOP OF PIER
CBN	CATCH BASIN	FOC	FACE OF CONCRETE	NIC	NOT IN CONTRACT	TOS	TOP OF STEEL
CKBD	CORKBOARD	FOM	FACE OF MASONRY	NO	NUMBER	TOW	TOP OF WALL
CEM	CEMENT	FOP	FACE OF PARTITION	NOM	NOMINAL	TS	TERMINATION STRIP
CER	CERAMIC	FOS	FACE OF STUD	NTS	NOT TO SCALE	TV	TELEVISION
CF	CUBIC FOOT (FEET)	FOW	FACE OF WALL			TYP	TYPICAL
CG	CORNER GUARD	FP	FIRE PROTECTION	OA	OVERALL	UC	UNDERCUT
CI	CAST IRON	FRP	FIBERGLASS REINFORCED PLASTIC	OC	ON CENTER(S)	UL	UNDERWRITERS' LABORATORIES
CJ	CONTROL JOINT	FT	FOOT OR FEET	OD	OUTSIDE DIAMETER	UNF	UNFINISHED
CL	CLOSET	FTB	FIN TUBE	OH	OVERHEAD	UNO	UNLESS NOTED OTHERWISE
CLG	CEILING	FTG	FOOTING	OPNG	OPENING		
CLKG	CAULKING	FURR	FURRING	OPP	OPPOSITE	VAR	VARIES(ABLE)
CLR	CLEAR	FUT	FUTURE	PLAM	PLASTIC LAMINATE	VB	VINYL BASE
CMU	CONCRETE MASONRY UNIT	GA	GAUGE	PC	PLUMBING CONTRACTOR	VC	VINYL COVE
COL	COLUMN	GAL	GALLON	PCC	PRECAST CONCRETE	VCT	VINYL COMPOSITION TILE
CONC	CONCRETE	GALV	GALVANIZED	PERF	PERFORATED	VERT	VERTICAL
CONST	CONSTRUCTION	GC	GENERAL CONTRACT(OR)	PERM	PERMANENT	VEST	VESTIBULE
CONT	CONTINUE(OUS)	GEN	GENERAL	PL	PLATE	VG	VISION GLASS
CORR	CORRIDOR	GL	GLASS/GLAZING	PLAS	PLASTER	VIF	VERIFY IN FIELD
CPT	CARPET	GWB	GYPSUM WALL BOARD	PLBG	PLUMBING	VWF	VINYL WALL COVERING
CPTB	CARPET BASE	GYP	GYPSUM	PLY	PLYWOOD		
CPTT	CARPET TILE			PNL	PANEL	W	WIDTH
CR	CHAIR RAIL	HCW	HOLLOW CORE WOOD	PR	PAIR	W/	WITH
CT	CERAMIC TILE	HD	HEAD	PROP	PROPERTY	W/O	WITHOUT
CTR	CENTER	HCP	HANDICAPPED	PSF	POUNDS PER SQUARE FOOT	WD	WOOD
CWF	CERAMIC WALL TILE	HDR	HEADER	PSI	POUNDS PER SQUARE INCH	WNCT	WAINSCOTING
CY	CUBIC YARD(S)	HRDW	HARDWOOD	PNT	PAINT (PAINTED)	WP	WEATHERPROOF
DB	DECK BUMPER	HDWE	HARDWARE	PT	PRESSURE TREATED	WT	WEIGHT
DBL	DOUBLE	HGT	HEIGHT	PVC	POLYVINYL CHLORIDE	WWF	WELDED WIRE FABRIC
DEPT	DEPARTMENT	HM	HOLLOW METAL				
DF	DRINKING FOUNTAIN	HORIZ	HORIZONTAL	QT	QUARRY TILE	&	AND
DH	DOUBLE HUNG	HP	HIGH POINT			@	AT
DIA	DIAMETER	HR	HANDRAIL	R	RADIUS/RISER	Ø	DIAMETER OR ROUND
DIAG	DIAGONAL	HVAC	HEATING/ VENTILATING/ AIR CONDITIONING	RB	RUBBER BASE	%	PERCENT
DIM	DIMENSION			RD	ROOF DRAIN	∠	ANGLE
DIV	DIVISION (DIVIDE)			REF	REFERENCE	℄	CENTERLINE
DN	DOWN	I	INSULATED HOLLOW METAL	REINF	REINFORCE(D),(ING)	#	NUMBER (BEFORE), POUND (AFTER)
DO	DOOR OPENING	INSUL	INSULATION	REQ'D	REQUIRED		
DR	DOOR			RES	RESILIENT	℞	PROPERTY LINE
DWG	DRAWING	J	JOIST	REV	REVISION(S), REVISED	°	DEGREE
D	DEPTH	JAN	JANITOR	RM	ROOM		
		JT	JOINT	RO	ROUGH OPENING		

ARCHITECTURAL SYMBOLS

- COLUMN NOTATION
- ROOM LABEL
- DOOR NUMBER
- WINDOW TYPE
- PARTITION TYPE
- DEMOLITION NOTE
- KEY NOTE
- KEY NOTE
- KEY NOTE
- ELEVATION NOTATION
- BREAK LINE
- ALIGN SURFACES
- MATCH LINE
- BLDG./WALL SECTION MARKER & LOCATION
- EXTERIOR ELEVATION MARKER & LOCATION
- REVISION
- INTERIOR ELEVATION MARKER & LOCATION
- DETAIL MARKER & LOCATION
- NORTH ARROW
- NORTH

ARCHITECTURAL LEGEND

- EXISTING WALL TO BE REMOVED
- EXISTING WALL TO REMAIN
- STUD CAVITY WALL
- CMU PARTITION
- BRICK WALL
- CONCRETE WALL
- EXISTING DOOR TO BE REMOVED
- EXISTING DOOR TO REMAIN
- NEW DOOR
- FIRE EXTINGUISHER
- FIRE EXTINGUISHER CABINET
- ELECTRIC PANEL

ROOF PLAN SYMBOLS

- NEW ROOF DRAIN IN NEW LOCATION
- EXISTING ROOF DRAIN
- EXISTING ROOF DRAIN TO BE REMOVED
- PARAPET WALL
- GUTTER
- SCUPPER
- VENT
- HOT FLUE
- SKYLIGHT, OR AS LABELED ON DRAWINGS
- SCUTTLE OR ROOF HATCH
- ROOF EXHAUST OR GRAVITY VENT
- HEATING/VENTILATING OR AC AC EQUIP.

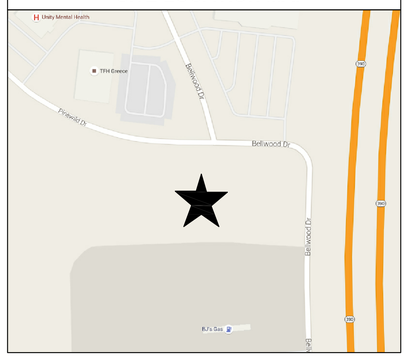
MATERIAL LEGEND

- BATT INSULATION
- BITUMINOUS
- BLOCKING
- BRICK
- CEILING TILE
- CMU
- CONCRETE
- EARTH
- FINISH WOOD
- GRAVEL
- OTHER METAL
- PLASTER, MORTAR, SAND, GYPSUM
- PLYWOOD
- PRECAST CONC.
- RIGID INSULATION
- STEEL
- ST. GLAZED TILE, CERAMIC TILE

SCOPE OF WORK

THIS PROJECT CONSISTS OF EXTERIOR SHELL CONSTRUCTION FOR A FLEX SPACE BUILDING. TOTAL SF OF BUILDING IS 22,980.

SITE LOCATION MAP



CERTIFICATIONS

1. TO THE BEST OF MY KNOWLEDGE AND UNDERSTANDING THE DRAWINGS CONVEYED ON THESE CONSTRUCTION DOCUMENTS COMPLY WITH THE 2010 BUILDING CODE OF NEW YORK STATE.
2. TO THE BEST OF MY KNOWLEDGE AND UNDERSTANDING THE DRAWINGS CONVEYED ON THESE CONSTRUCTION DOCUMENTS COMPLY WITH THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE, 2014 SUPPLEMENT, APPLYING ASHRAE 90.1 2010.

SIGNED DATE

CONTACTS

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PHONE: 585-227-4774

LOCATION: GATEWAY BUSINESS PARK
PINEWILD DRIVE
GREECE, NY

ENGINEER/ ARCHITECT: T.Y.LIN INTERNATIONAL
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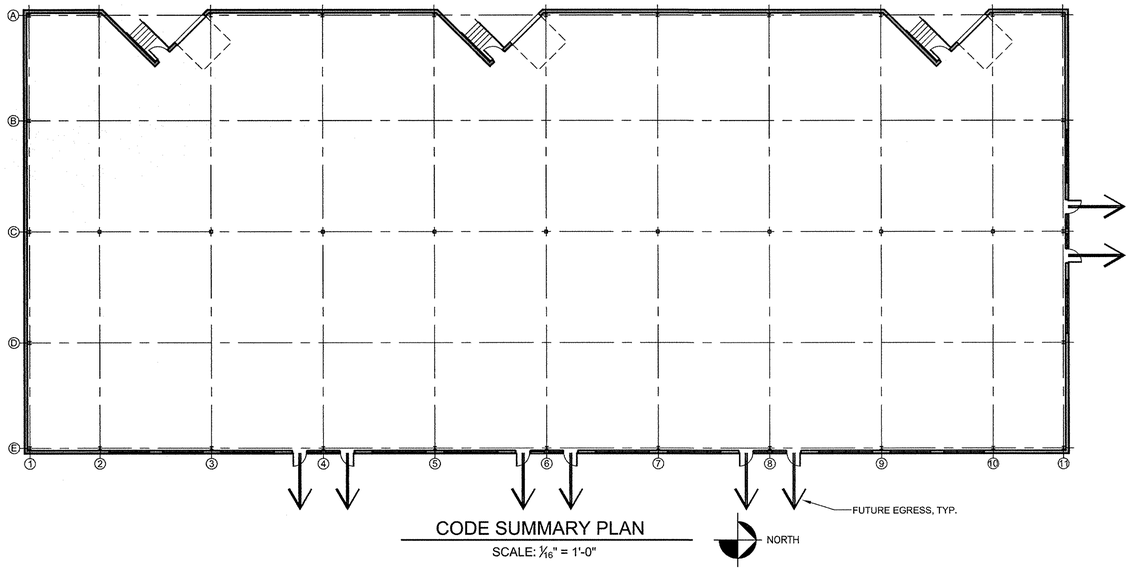
PROJECT NO.: 436043.00	PROJ. MGR.: THC
DATE: 09/03/15	DRWN. BY: ECM
SCALE: NO SCALE	CHKD. BY: THC
DRAWING NO: G001	
SHEET NO. 1 of 10	

CODE INFORMATION

- THE PROJECT HAS BEEN DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE 2010 BUILDING CODE OF NEW YORK STATE AND THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE, 2014 SUPPLEMENT.
- THE SCOPE OF THE PROJECT IS TO CONSTRUCT A "COLD, DARK" BUILDING SHELL AS THE FIRST PHASE OF DEVELOPMENT. INTERIOR LAYOUTS, FINISHES, MECHANICAL, ELECTRICAL, LIFE SAFETY AND FIRE SUPPRESSION SYSTEMS WILL BE DESIGNED AND SUBMITTED FOR PERMIT AND CONSTRUCTED IN SUBSEQUENT PHASES.
- INTENT OF BUILDING IS TO PROVIDE "FLEX" SPACE WHICH MAY BE LEASED AS OFFICE, LIGHT ASSEMBLY, MANUFACTURING OR STORAGE.
- CONSTRUCTION CLASSIFICATION: TYPE IIB
- OCCUPANCY CLASSIFICATIONS:
  - B - BUSINESS
  - F2 - FACTORY INDUSTRIAL LOW HAZARD
  - S2 - STORAGE LOW HAZARD
- ALLOWABLE HEIGHTS AND BUILDING AREAS PER BCNYS TABLE 503:
  - B - 4 STORIES 23,000 SF
  - F2 - 3 STORIES 23,000 SF
  - S2 - 4 STORIES 24,000 SF
- ACTUAL HEIGHT AND AREA
  - 1 STORY 22,980 SF
- BUILDING WILL BE FULLY SPRINKLERED WITH AN NFPA13 COMPLIANT FIRE SUPPRESSION SYSTEM.
- FIRE SEPARATION DISTANCE - GREATER THAN 30'. CLOSEST PROPOSED CONDITION WILL BE 35' FROM WEST WALL TO AN IMAGINARY LINE DRAWN BETWEEN THIS BUILDING AND A PROPOSED FUTURE BUILDING (PER BCNYS 704.3).



CODE SUMMARY PLAN

SCALE: 1/16" = 1'-0"

SECTION 072419 - WATER-DRAINAGE EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)

1.1 SUMMARY
- A. Section Includes:
  1. EIFS-clad drainage-wall assemblies that are field applied over substrate.
  2. Air and Water-resistive coatings.

1.2 QUALITY ASSURANCE
- A. Installer Qualifications: An installer who is certified in writing by EIFS manufacturer as qualified to install manufacturer's system using trained workers.

1.3 GENERAL
- A. Source Limitations: Obtain EIFS from single source from single EIFS manufacturer and from sources approved by EIFS manufacturer as compatible with EIFS components.
- B. Basis of Design: Dryvit Outsulation Plus MD

1.4 PERFORMANCE REQUIREMENTS
- A. EIFS Performance: Comply with ASTM E 2568 and with the following:
  1. Weathertightness: Resistant to uncontrolled water penetration from exterior, with a means to drain water entering EIFS to the exterior.
  2. Impact Performance: ASTM E 2568, Standard impact resistance, unless otherwise indicated.
  3. Bond Integrity: Free from bond failure within EIFS components or between EIFS and substrates, resulting from exposure to fire, wind loads, weather, or other in-service conditions.

1.5 EIFS MATERIALS
- A. Primer/Sealer: EIFS manufacturer's standard substrate conditioner designed to protect substrates from moisture penetration and to improve the bond between substrate and insulation adhesive.
- B. Air and Water-Resistive Coatings: EIFS manufacturer's standard formulation and accessories for use as water-resistive barriers; compatible with substrate and complying with physical and performance criteria of ASTM E 2570.
- C. Flexible-Membrane Flashing: Cold-applied, self-adhering, self-healing, rubberized-asphalt and polyethylene-film composite sheet or tape and primer; EIFS manufacturer's standard or product recommended in writing by EIFS manufacturer.
- D. Insulation Adhesive: EIFS manufacturer's standard formulation designed for indicated use; specifically formulated to be applied to back side of insulation in a manner that creates open vertical channels designed to serve as an integral part of the water-drainage system of the EIFS-clad drainage-wall assembly, compatible with substrate.
- E. Molded, Rigid Cellular Polystyrene Board Insulation: Comply with ASTM C 578, Type I.
- F. Reinforcing Mesh: Balanced, alkali-resistant, open-weave, glass-fiber mesh treated for compatibility with other EIFS materials, made from continuous multiend strands with retained mesh tensile strength of not less than 120 lbf/in. according to ASTM E 2098.
- G. Base-Coat Materials: EIFS manufacturer's standard mixture.
- H. Waterproof Adhesive/Base-Coat Materials: EIFS manufacturer's standard waterproof formulation.
- I. Primer: EIFS manufacturer's standard factory-mixed, elastomeric-polymer primer for preparing base-coat surface for application of finish coat.
- J. Finish-Coat Materials: EIFS manufacturer's standard acrylic-based coating.
  1. Colors: As selected by Architect from manufacturer's full range.
  2. Textures: As selected by Architect from manufacturer's full range.
- K. Trim Accessories: Type as designated or required to suit conditions indicated and to comply with EIFS manufacturer's written instructions; manufactured from UV-stabilized PVC; and complying with ASTM D 1784, manufacturer's standard cell class for use intended, and ASTM C 1063.

1.6 EIFS INSTALLATION
- A. Comply with ASTM C 1397, ASTM E 2511, and EIFS manufacturer's written instructions for installation of EIFS as applicable to each type of substrate indicated

SECTION 075323 - ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING

1.1 SUMMARY
- A. Section Includes:
  1. Adhered ethylene-propylene-diene-monomer (EPDM) roofing system.
  2. Roof insulation.

1.2 QUALITY ASSURANCE
- A. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.

1.3 WARRANTY
- A. Special Warranty: Manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within specified warranty period.
  1. Warranty Period: 15 years from date of Substantial Completion.

1.4 MANUFACTURERS
- A. Source Limitations: Obtain components for roofing system from same manufacturer as membrane roofing or manufacturer approved by membrane roofing manufacturer.

1.5 PERFORMANCE REQUIREMENTS
- A. Exterior Fire-Test Exposure: ASTM E 108 or UL 790, Class C; for application and roof slopes indicated; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1.6 EPDM ROOFING
- A. EPDM: ASTM D 4637, Type I, nonreinforced, uniform, flexible EPDM sheet.
  1. Thickness: 60 mils, nominal.
  2. Exposed Face Color: White on black.

1.7 AUXILIARY ROOFING MATERIALS
- A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and compatible with roofing.
  1. Liquid-type auxiliary materials shall comply with VOC limits of authorities having jurisdiction.
- B. Sheet Flashing: 60-mil-thick EPDM, partially cured or cured, according to application.
- C. Bonding Adhesive: Manufacturer's standard.
- D. Miscellaneous Accessories: Provide lap sealant, water cutoff mastic, metal termination bars, metal battens, pourable sealers, preformed cone and vent sheet flashings, molded pipe boot flashings, preformed inside and outside corner sheet flashings, reinforced EPDM securement strips, T-joint covers, in-seam sealants, termination reglets, cover strips, and other accessories.

1.8 ROOF INSULATION
- A. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 1, Grade 2, felt or glass-fiber mat facer on both major surfaces.
- B. Provide preformed saddles, crickets, tapered edge strips, and other insulation shapes where indicated for sloping to drain. Fabricate to slopes indicated.

1.9 INSULATION ACCESSORIES
- A. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Global 4470, designed for fastening roof insulation to substrate, and acceptable to roofing system manufacturer.
- B. Insulation Adhesive: Insulation manufacturer's recommended adhesive formulated to attach roof insulation to substrate or to another insulation layer.

PART 2 - EXECUTION

2.1 ROOFING INSTALLATION, GENERAL
- A. Install roofing system according to roofing system manufacturer's written instructions.
- B. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing system at the end of the workday or when rain is forecast. Remove and discard temporary seals before beginning work on adjoining roofing.

2.2 INSULATION INSTALLATION
- A. Coordinate installing roofing system components so insulation is not exposed to precipitation or left exposed at the end of the workday.
- B. Install insulation under area of roofing to achieve required thickness. Where overall insulation thickness is 2.7 inches or greater, install two or more layers with joints of each succeeding layer staggered from joints of previous layer a minimum of 6 inches in each direction.
- C. Mechanically Fastened and Adhered Insulation: Install first layer of insulation to deck using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to deck type.
  1. Fasten first layer of insulation to resist uplift pressure at corners, perimeter, and field of roof.
  2. Set each subsequent layer of insulation in insulation adhesive, firmly pressing and maintaining insulation in place.

2.3 ADHERED MEMBRANE ROOFING INSTALLATION
- A. Adhere roofing over area to receive roofing according to membrane roofing system manufacturer's written instructions. Unroll membrane roofing and allow to relax before installing.
- B. Bonding Adhesive: Apply to substrate and underside of roofing at rate required by manufacturer, and allow to partially dry before installing roofing. Do not apply to splice area of roofing.

2.4 BASE FLASHING INSTALLATION
- A. Install sheet flashings and preformed flashing accessories, and adhere to substrates according to roofing system manufacturer's written instructions.

2.5 PROTECTING AND CLEANING
- A. Protect membrane roofing system from damage and wear during remainder of construction period. When remaining construction does not affect or endanger roofing, inspect roofing for deterioration and damage, describing its nature and extent in a written report, with copies to Architect and Owner.
- B. Correct deficiencies in or remove membrane roofing system that does not comply with requirements, repair substrates, and repair or reinstall membrane roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.

SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

1.1 SUMMARY
- A. Section Includes:
  1. Exterior storefront framing.
  2. Exterior manual-swing entrance doors.

1.2 QUALITY ASSURANCE
- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

1.3 WARRANTY
- A. Special Warranty: Manufacturer agrees to repair or replace components of aluminum-framed entrances and storefronts that do not comply with requirements or that fail in materials or workmanship within specified warranty period.
  1. Warranty Period: Two years from date of Substantial Completion.
- B. Special Finish Warranty: Standard form in which manufacturer agrees to repair finishes or replace aluminum that shows evidence of deterioration of factory-applied finishes within specified warranty period.
  1. Warranty Period: 10 years from date of Substantial Completion.

1.4 PERFORMANCE REQUIREMENTS
- A. General Performance: Comply with performance requirements specified, as determined by testing of aluminum-framed entrances and storefronts representing those indicated for this Project without failure due to defective manufacture, fabrication, installation, or other defects in construction.
  1. Aluminum-framed entrances and storefronts shall withstand movements of supporting structure.
  2. Failure also includes the following:
     - a. Thermal stresses transferring to building structure.
     - b. Glass breakage.
     - c. Noise or vibration created by wind and thermal and structural movements.
     - d. Loosening or weakening of fasteners, attachments, and other components.
- B. Structural Loads:
  1. Wind Loads: As indicated on Drawings.
- C. Deflection of Framing Members: At design wind pressure, as follows:
  1. Deflection Normal to Wall Plane: Limited to edge of glass in a direction perpendicular to glass plane not exceeding 1/175 of the glass edge length for each individual glazing lite or an amount that restricts edge deflection of individual glazing lites to 3/4 inch, whichever is less.
  2. Deflection Parallel to Glazing Plane: Limited to 1/360 of clear span or 1/8 inch, whichever is smaller.
- D. Structural: Test according to ASTM E 330 as follows:
  1. When tested at positive and negative wind-load design pressures, assemblies do not evidence deflection exceeding specified limits.
  2. When tested at 150 percent of positive and negative wind-load design pressures, assemblies, including anchorage, do not evidence material failures, structural distress, or permanent deformation of main framing members exceeding 0.2 percent of span.
- E. Air Infiltration: Test according to ASTM E 283 for infiltration as follows:
  1. Fixed Framing and Glass Area:
     - a. Maximum air leakage of 0.06 cfm/sq. ft. at a static-air-pressure differential of 1.57 lbf/sq. ft..
  2. Entrance Doors:
     - a. Single Doors: Maximum air leakage of 0.5 cfm/sq. ft. at a static-air-pressure differential of 1.57 lbf/sq. ft..
- F. Water Penetration under Static Pressure: Test according to ASTM E 331 as follows:
  1. No evidence of water penetration through fixed glazing and framing areas when tested according to a minimum static-air-pressure differential of 20 percent of positive wind-load design pressure, but not less than 10 lbf/sq. ft..
- G. Energy Performance: Certify and label energy performance according to NFRC as follows:
  1. Thermal Transmittance (U-factor): Fixed glazing and framing areas shall have U-factor of not more than 0.45 Btu/sq. ft. x h x deg F as determined according to NFRC 100.
  2. Solar Heat Gain Coefficient: Fixed glazing and framing areas shall have a solar heat gain coefficient of no greater than 0.40 0.45 Insert value as determined according to NFRC 200.
- H. Thermal Movements: Allow for thermal movements resulting from ambient and surface temperature changes:
  1. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.

1.5 MANUFACTURERS
- A. Basis of Design: Kawneer Trifab 451T

1.6 FRAMING
- A. Framing Members: Manufacturer's extruded- or formed-aluminum framing members of thickness required and reinforced as required to support imposed loads.
  1. Construction: Thermally broken.
  2. Glazing System: Retained mechanically with gaskets on four sides.
  3. Glazing Plane: Front.
  4. Finish: Clear anodic finish.
  5. Fabrication Method: Field-fabricated stick system.

1.7 ENTRANCE DOOR SYSTEMS
- A. Entrance Doors: Manufacturer's standard glazed entrance doors for manual-swing operation.
  1. Door Construction: 1-3/4-inch overall thickness, with minimum 0.125-inch- thick, extruded-aluminum tubular rail and stile members. Mechanically fasten corners with reinforcing brackets that are deeply penetrated and fillet welded or that incorporate concealed tie rods.
  2. Door Design: Medium stile; 3-1/2-inch nominal width.
  3. Glazing Stops and Gaskets: Beveled, snap-on, extruded-aluminum stops and preformed gaskets.

1.8 GLAZING
- A. Glazing: Comply with Section 088000 "Glazing."
- B. Glazing Gaskets: Manufacturer's standard sealed-corner pressure-glazing system of black, resilient elastomeric glazing gaskets, setting blocks, and shims or spacers.

1.9 FABRICATION
- A. Form or extrude aluminum shapes before finishing.
- B. Weld in concealed locations to greatest extent possible to minimize distortion or discoloration of finish. Remove weld spatter and welding oxides from exposed surfaces by descaling or grinding.
- C. Fabricate components that, when assembled, have the following characteristics:
  1. Profiles that are sharp, straight, and free of defects or deformations.
  2. Accurately fitted joints with ends coped or mitered.
  3. Physical and thermal isolation of glazing from framing members.
  4. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances.
  5. Provisions for field replacement of glazing from exterior.
  6. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible.
- D. Mechanically Glazed Framing Members: Fabricate for flush glazing without projecting stops.
- E. Entrance Door Frames: Reinforce as required to support loads imposed by door operation and for installing entrance door hardware.
- F. Entrance Doors: Reinforce doors as required for installing entrance door hardware.
- G. Entrance Door Hardware Installation: Factory install entrance door hardware to the greatest extent possible. Cut, drill, and tap for factory-installed entrance door hardware before applying finishes.

1.10 ALUMINUM FINISHES
- A. Clear Anodic Finish: AAMA 611, AA-M12C22A31, Class II, 0.010 mm or thicker.

1.11 INSTALLATION
- A. General:
  1. Comply with manufacturer's written instructions.
  2. Do not install damaged components.
  3. Fit joints to produce hairline joints free of burrs and distortion.
  4. Rigidly secure nonmovement joints.
  5. Install anchors with separators and isolators to prevent metal corrosion and electrolytic deterioration and to prevent impeding movement of moving joints.
  6. Seal perimeter and other joints watertight unless otherwise indicated.
- B. Metal Protection:
  1. Where aluminum is in contact with dissimilar metals, protect against galvanic action by painting contact surfaces with materials recommended by manufacturer for this purpose or by installing nonconductive spacers.
- C. Set continuous sill members and flashing in full sealant bed to produce weathertight installation.
- D. Install components plumb and true in alignment with established lines and grades.
- E. Entrance Doors: Install doors to produce smooth operation, tight fit at contact points, and weathertight enclosure.

SECTION 088000 - GLAZING

1.1 SUMMARY
- A. Section includes:
  1. Glass for doors and storefront framing.

PART 2 - PRODUCTS

2.1 GENERAL
- A. Tinted Annealed Float Glass: ASTM C 1036, Type I, Class 2 (tinted), Quality-Q3.
- B. Fully Tempered Float Glass: ASTM C 1048, Kind FT (fully tempered), Condition A (uncoated) unless otherwise indicated, Type I, Class 1 (clear) or Class 2 (tinted) as indicated, Quality-Q3.

2.2 INSULATING GLASS
- A. Insulating-Glass Units: Factory-assembled units consisting of sealed lites of glass separated by a dehydrated interspace, qualified according to ASTM E 2190.
  1. Sealing System: Dual seals.
  2. Spacer: Aluminum with mill or clear anodic finish.

2.3 GLAZING SEALANTS
- A. General:
  1. Compatibility: Compatible with one another and with other materials they contact, including glass products, seals of insulating-glass units, and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.

PART 3 - EXECUTION

3.1 GLAZING, GENERAL
- A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.

3.2 INSULATING GLASS SCHEDULE
- A. Glass Type GL-1: Low-E-coated, tinted insulating glass.
  1. Overall Unit Thickness: 5/8 inch.
  2. Interspace Content: Argon.
  3. Low-E Coating: Sputtered on second surface.
  4. U-Factor: 0.77 maximum.
  5. SHGC: 0.40
  6. Glass lites fully tempered
- B. Glass Type GL-2: Low-E-coated, tinted insulating glass.
  1. Overall Unit Thickness: 1 inch.
  2. Interspace Content: Argon.
  3. Low-E Coating: Sputtered on second surface.
  4. U-Factor: 0.38 maximum.
  5. SHGC: 0.40
  6. Glass lites fully tempered
- C. Glass Type GL-3: Low-E-coated, tinted insulating glass.
  1. Overall Unit Thickness: 1 inch.
  2. Interspace Content: Argon.
  3. Low-E Coating: Sputtered on second surface.
  4. U-Factor: 0.38 maximum.
  5. SHGC: 0.40

NO.	DATE:	DESCRIPTION
		REVISIONS

DATE

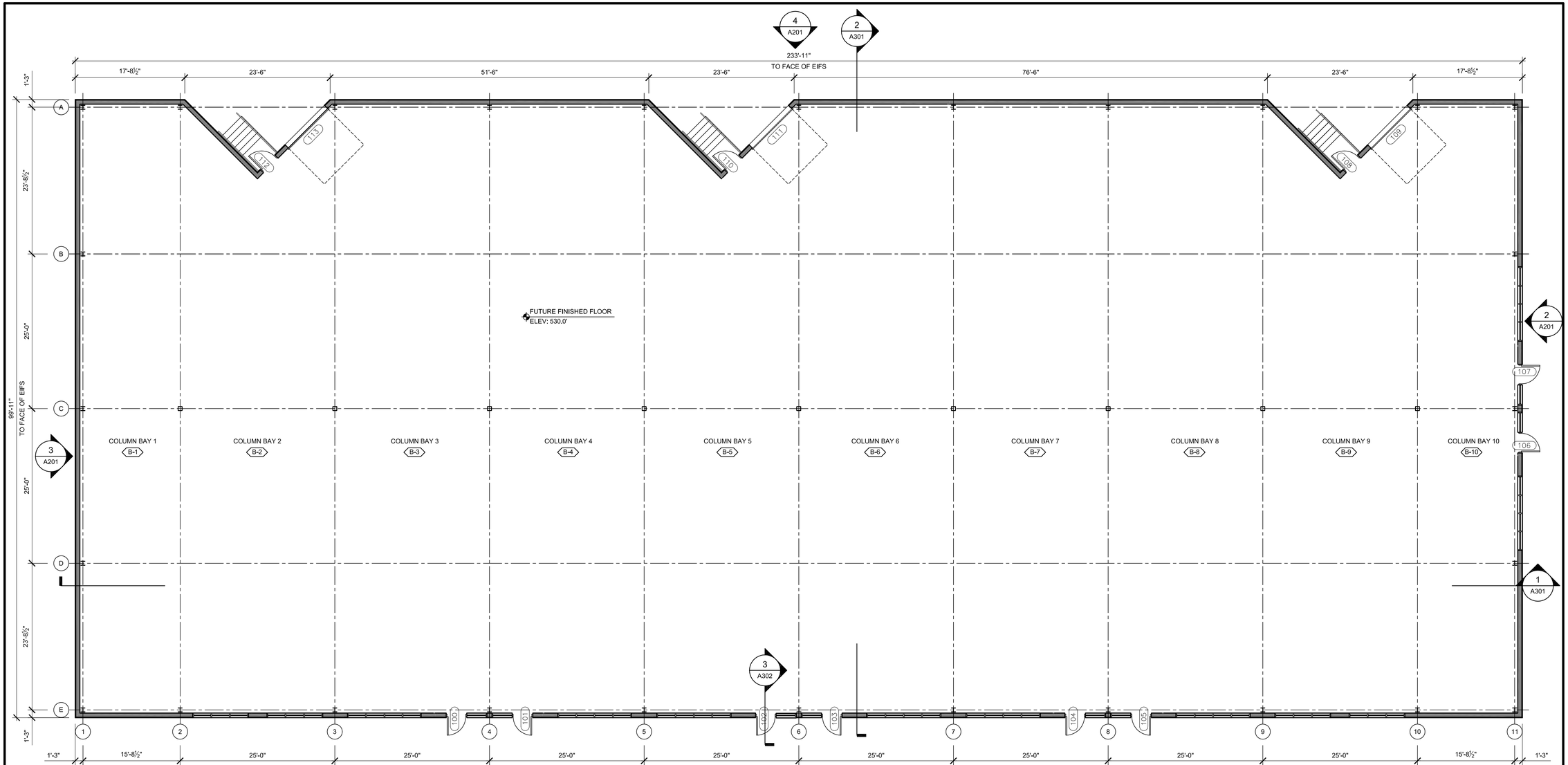
TYLIN INTERNATIONAL
255 EAST AVENUE
ROCHESTER, NY 14604
(585) 512-2000

DRAWING TITLE: CODE INFORMATION & SPECIFICATIONS

PROJECT NAME: GATEWAY BUSINESS PARK
PINEWILD DRIVE, GREECE NY

CLIENT: PLATINUM PROPERTY MANAGEMENT
P.O. BOX 29300, ROCHESTER, NY 14629

PROJECT NO.: 436043.00	PROJ. MGR.: THC
DATE: 09/03/15	DRWN. BY: RLD
SCALE: AS NOTED	CHKD. BY: THC
DRAWING NO: G002	
SHEET NO. 2 of 10	



1 FLOOR PLAN
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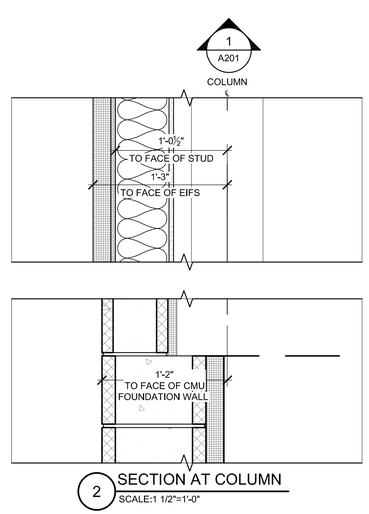
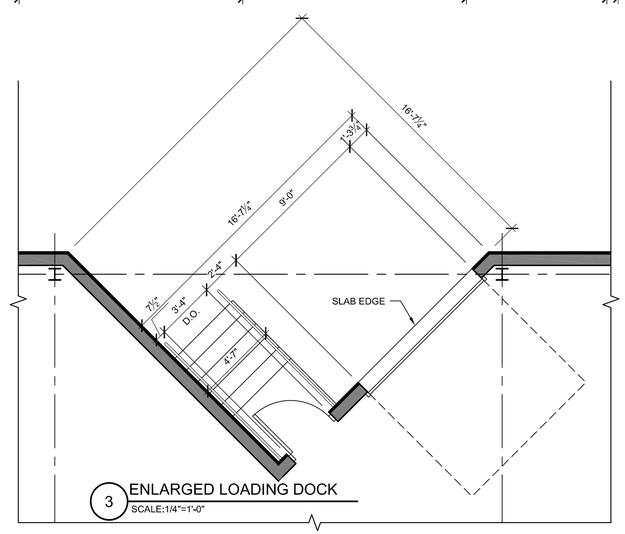


2 SECTION AT COLUMN
SCALE:1 1/2"=1'-0"



3 ENLARGED LOADING DOCK
SCALE:1/4"=1'-0"

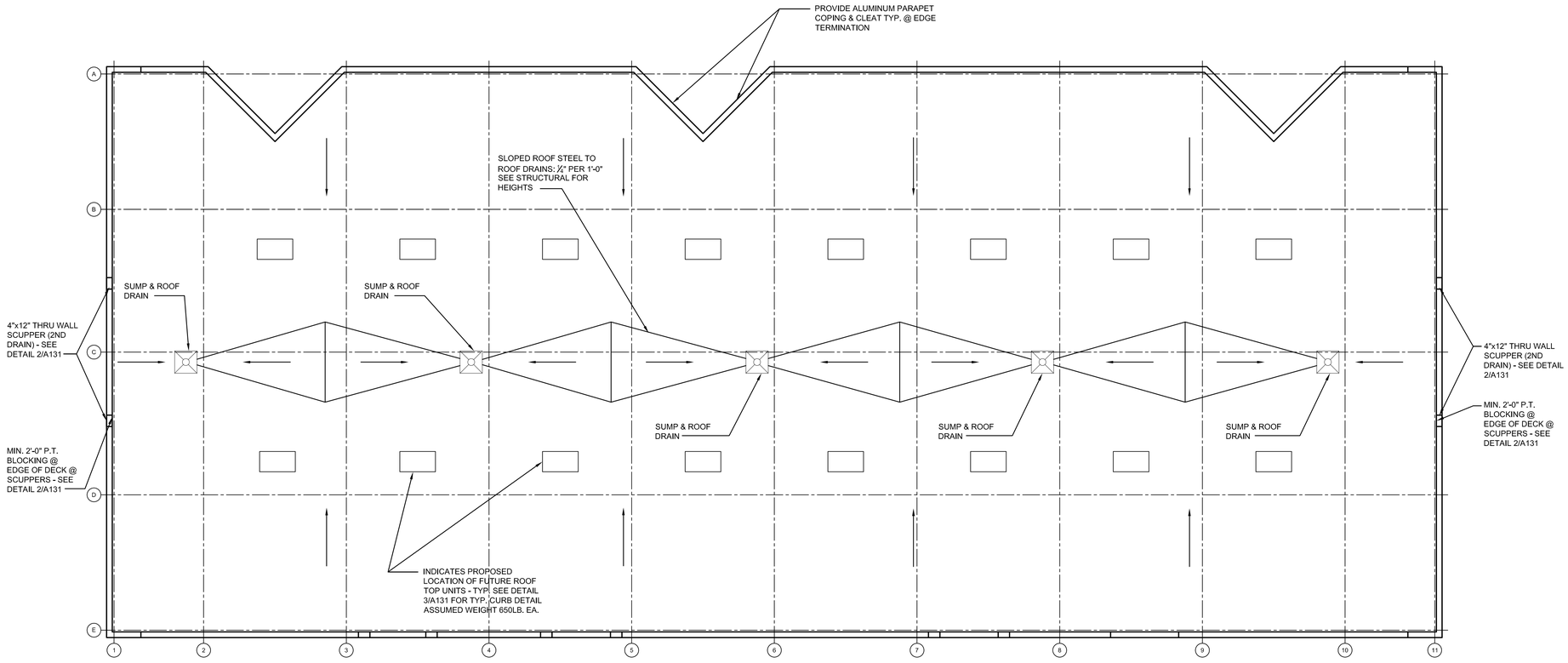
NO.	DATE:	DESCRIPTION
		REVISIONS

DATE

TYLIN INTERNATIONAL
255 EAST AVENUE
ROCHESTER, NY 14604
(585) 512-2000

DRAWING TITLE: OVERALL FLOOR PLAN
PROJECT NAME: GATEWAY BUSINESS PARK
PINEWILD DRIVE, GREECE, NY
CLIENT: PLATINUM PROPERTY MANAGEMENT
P.O. BOX 26350, ROCHESTER, NY 14626

PROJECT NO.: 436043.00	PROJ. MGR.: THC
DATE: 09/03/15	DRWN. BY: ECM
SCALE: AS NOTED	CHKD. BY: THC
DRAWING NO: A101	
SHEET NO. 3 of 10	



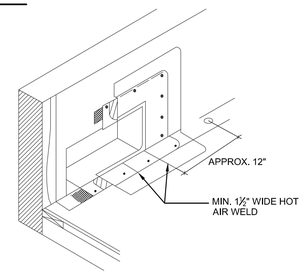
1 ROOF PLAN
SCALE:3/32"=1'-0"

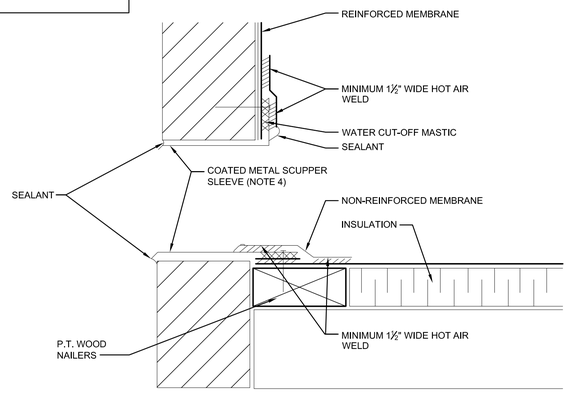
ROOFING NOTES

1. 60 MIL FULLY ADHERED MEMBRANE
2. MIN R20 CONTINUOUS INSULATION - MECHANICALLY FASTENED
3. EDGE TERMINATIONS PER DETAILS & MANUFACTURER'S WRITTEN DIRECTION
4. SECONDARY DRAINAGE VIA SCUPPERS AS INDICATED

NOTES:

1. PRESSURE TREATED WOOD NAILER MUST EXTEND PAST TOTAL WIDTH OF DECK FLANGE.
2. INSTALL WALL FLASHING PRIOR TO SCUPPER INSTALLATION.
3. DISCONTINUE FASTENING PLATES AT SCUPPER OPENING AS SHOWN.
4. METAL SCUPPER BOX MUST HAVE CONTINUOUS SIDES; METAL FLANGE MUST BE CONTINUOUS WITH ROUNDED CORNERS.
5. WATER CUT-OFF MASTIC UNDER SCUPPER FLANGE MUST BE UNDER CONSTANT COMPRESSION.
6. MINIMUM 2" SPLICE FROM NAIL HEAD.
7. SEALANT IS REQUIRED AT FLASHING EDGE ON SCUPPER EDGE.





2 SCUPPER DETAILS
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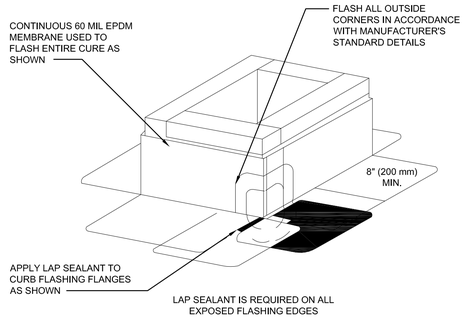

3 CURB FLASHING DETAILS
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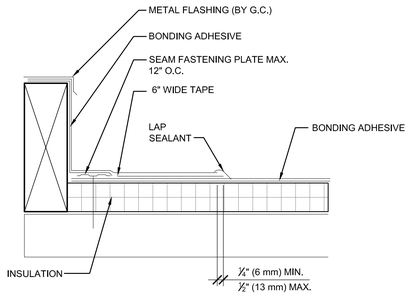
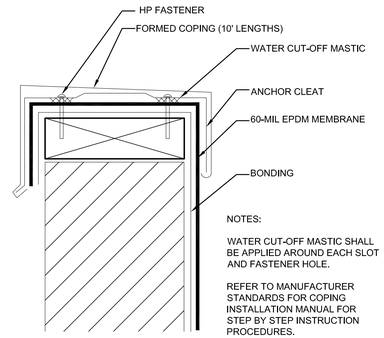




5 CAP TERMINATION
SCALE: N.T.S.

NO.	DATE:	DESCRIPTION
		REVISIONS

DATE

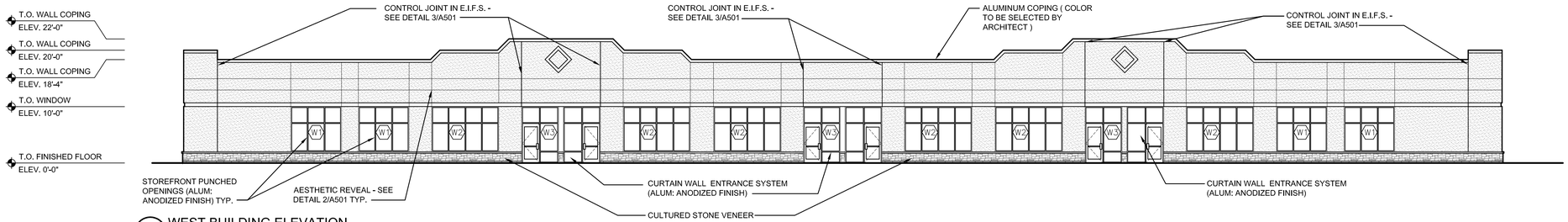
TYLIN INTERNATIONAL
255 EAST AVENUE
ROCHESTER, NY 14604
(585) 512-2000

DRAWING TITLE: ROOF PLAN

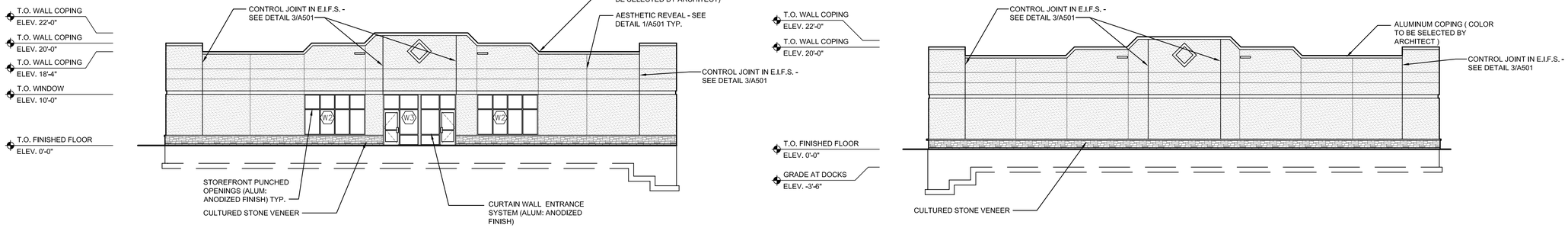
PROJECT NAME: GATEWAY BUSINESS PARK
PINEWILD DRIVE, GREECE NY

CLIENT: PLATINUM PROPERTY MANAGEMENT
P.O. BOX 26350, ROCHESTER, NY 14626

PROJECT NO.: 436043.00	PROJ. MGR.: THC
DATE: 09/03/15	DRWN. BY: ECM
SCALE: AS NOTED	CHKD. BY: THC
DRAWING NO: A131	
SHEET NO. 4 of 10	

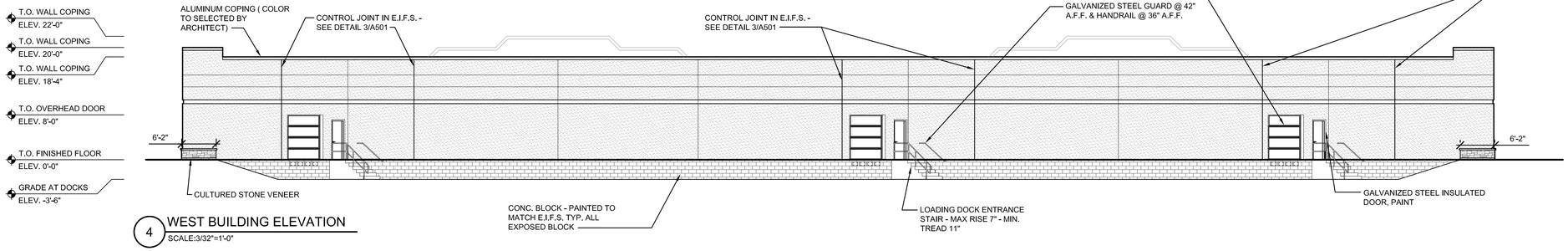


1 WEST BUILDING ELEVATION
SCALE:1/8"=1'-0"



2 SOUTH BUILDING ELEVATION
SCALE:3/32"=1'-0"

3 NORTH BUILDING ELEVATION
SCALE:3/32"=1'-0"



4 WEST BUILDING ELEVATION
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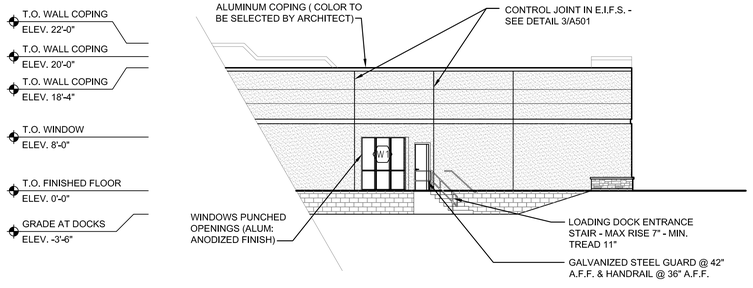

5 ALTERNATE INFILL WINDOW
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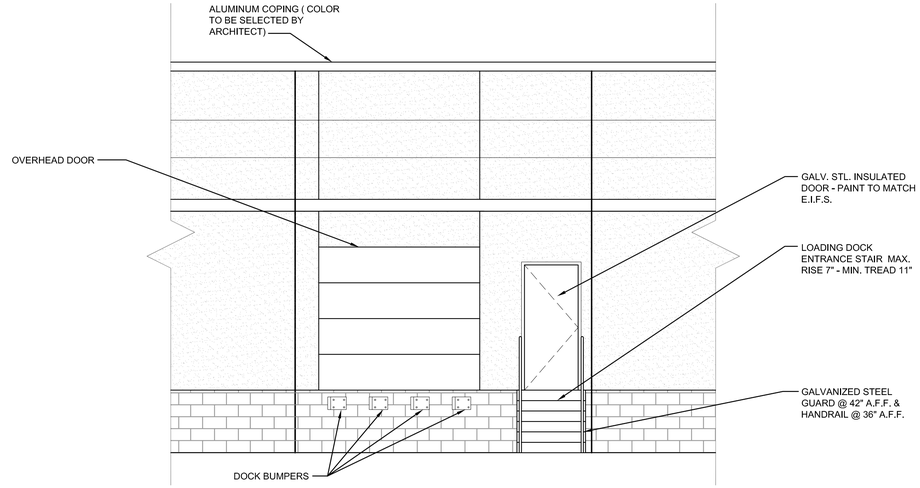

6 ENLARGED ELEVATION @ LOADING DECK
SCALE:1/4"=1'-0"

NO.	DATE:	DESCRIPTION
		REVISIONS

DATE

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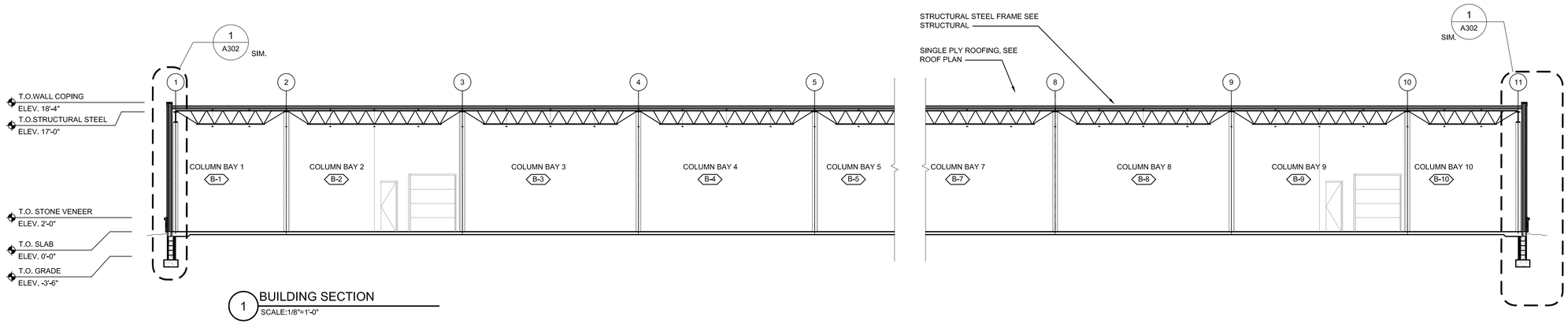
255 EAST AVENUE
ROCHESTER, NY 14604
(585) 512-2000

DRAWING TITLE: BUILDING ELEVATIONS
PROJECT NAME: GATEWAY BUSINESS PARK
PINEWILD DRIVE, GREECE NY
CLIENT: PLATINUM PROPERTY MANAGEMENT
P.O. BOX 26350, ROCHESTER, NY 14626

PROJECT NO.: 436043.00	PROJ. MGR.: THC
DATE: 09/03/15	DRWN. BY: ECM
SCALE: AS NOTED	CHKD. BY: THC
DRAWING NO: A201	
SHEET NO. 5 of 10	



1 BUILDING SECTION
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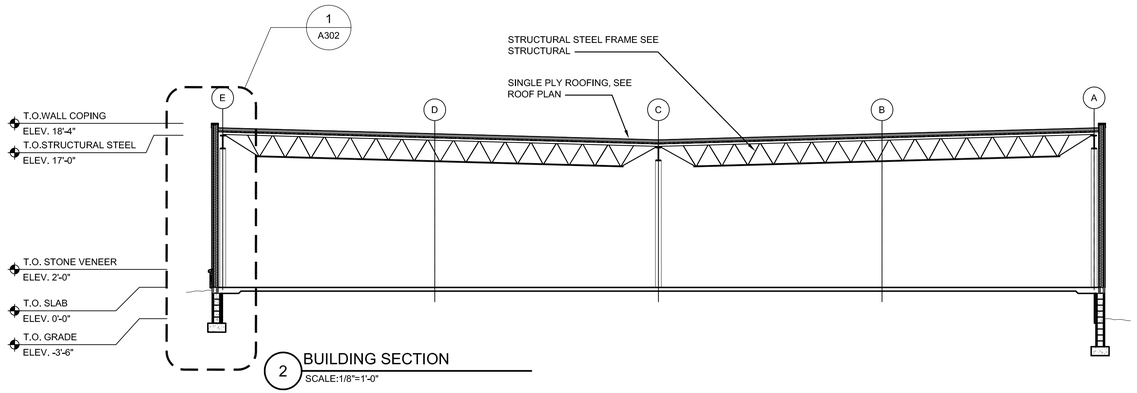


2 BUILDING SECTION
SCALE:1/8"=1'-0"

NO.	DATE:	DESCRIPTION
		REVISIONS

DATE

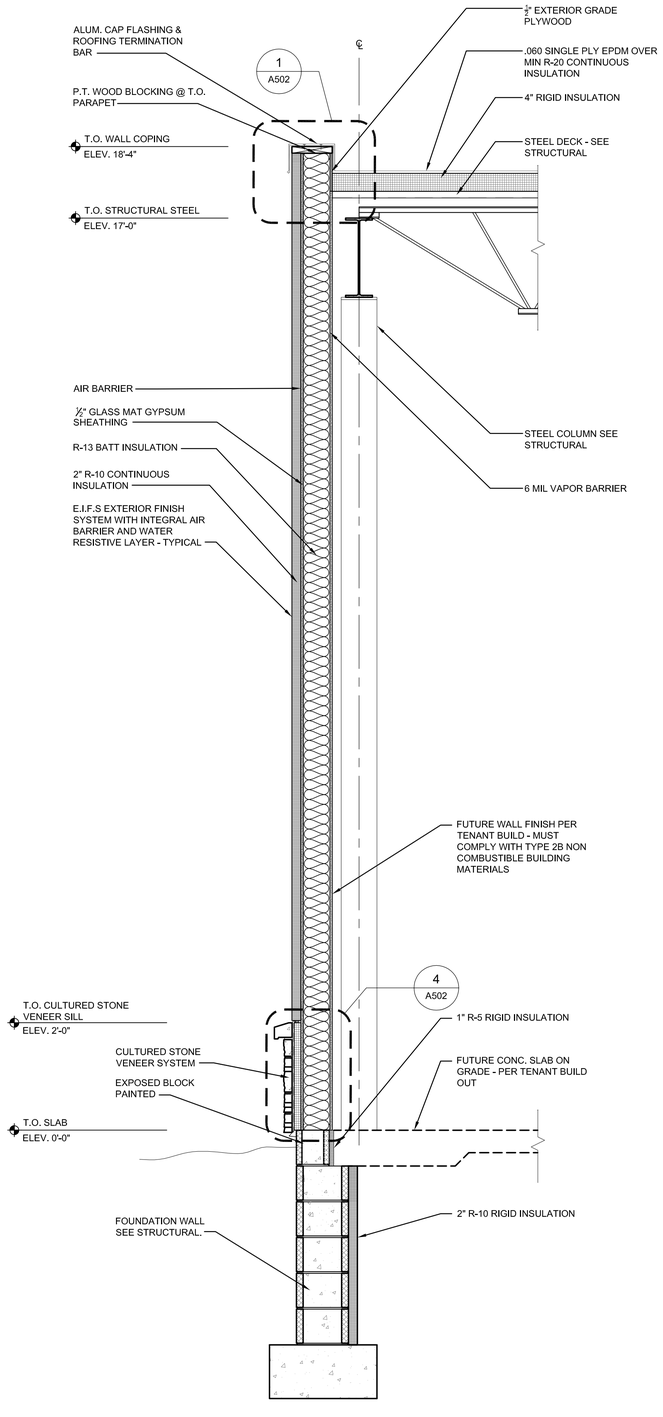
TYLIN INTERNATIONAL
255 EAST AVENUE
ROCHESTER, NY 14604
(585) 512-2000

DRAWING TITLE: BUILDING SECTIONS

PROJECT NAME: GATEWAY BUSINESS PARK
PINEWILD DRIVE, GREECE NY

CLIENT: PLATINUM PROPERTY MANAGEMENT
P.O. BOX 26350, ROCHESTER, NY 14626

PROJECT NO.: 436043.00	PROJ. MGR.: THC
DATE: 09/03/15	DRWN. BY: ECM
SCALE: AS NOTED	CHKD. BY: THC
DRAWING NO: A301	
SHEET NO. 6 of 10	



1 WALL SECTION
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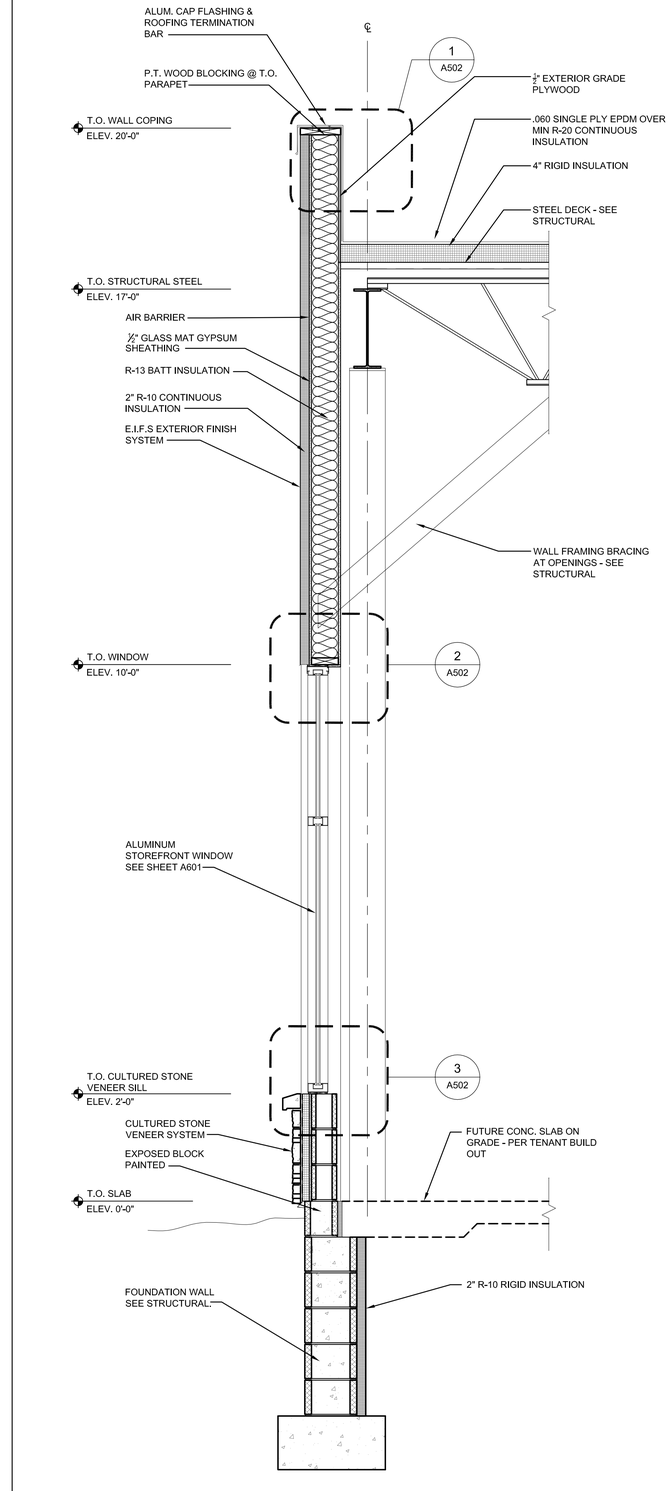

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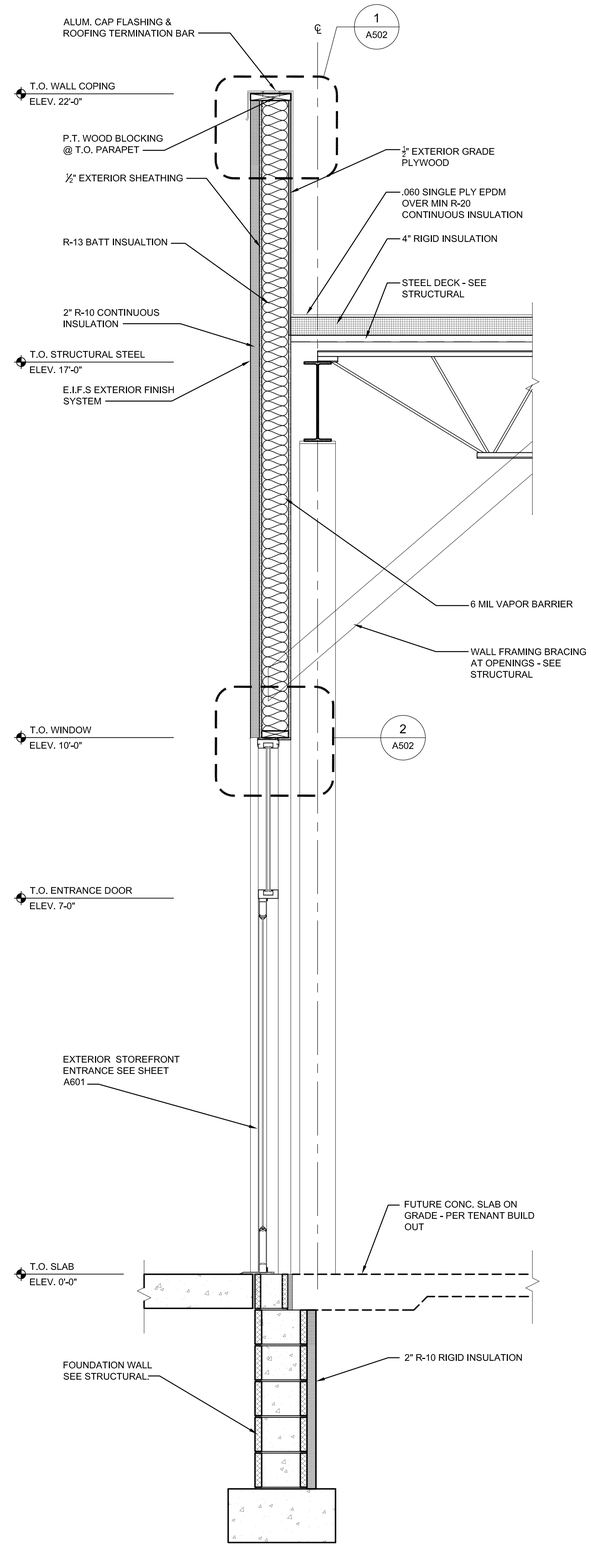

3 WALL SECTION
SCALE:3/4"=1'-0"

NO.	DATE:	DESCRIPTION
		REVISIONS

DATE

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255 EAST AVENUE
ROCHESTER, NY 14604
(585) 512-2000

DRAWING TITLE: WALL SECTIONS

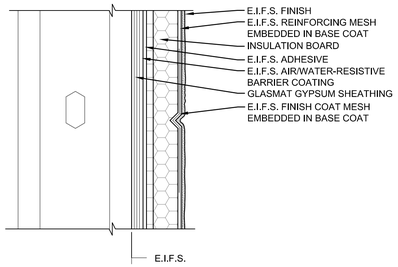
PROJECT NAME: GATEWAY BUSINESS PARK
PINEWILD DRIVE, GREECE NY

CLIENT: PLATINUM PROPERTY MANAGEMENT
P.O. BOX 26350, ROCHESTER, NY 14626

PROJECT NO.:	PROJ. MGR.:
436043.00	THC
DATE:	DRWN. BY:
09/03/15	ECM
SCALE:	CHKD. BY:
AS NOTED	THC

DRAWING NO: A302

SHEET NO. 7 of 10



1 TYPICAL AESTHETIC REVEAL
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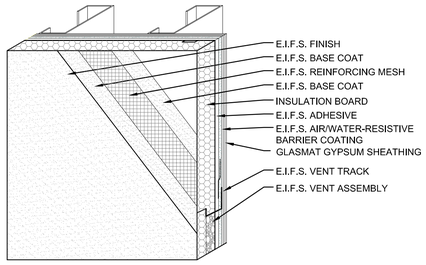

2 TYPICAL E.I.F.S. APPLICATION
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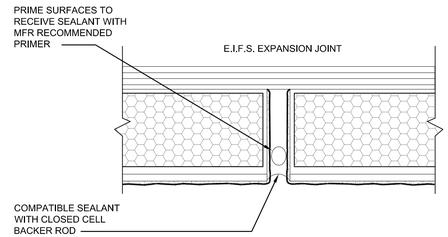

3 VERTICAL CONTROL JOINT
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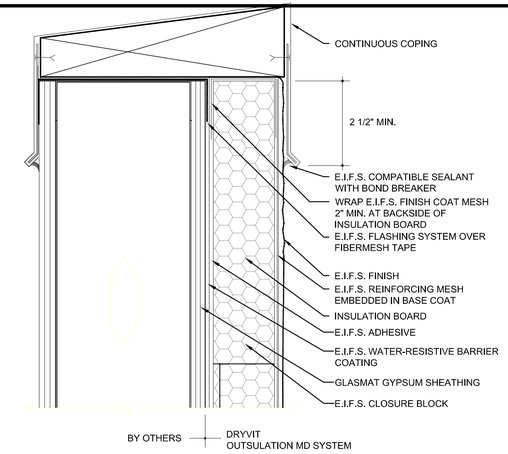

4 TYPICAL ROOF TERMINATION
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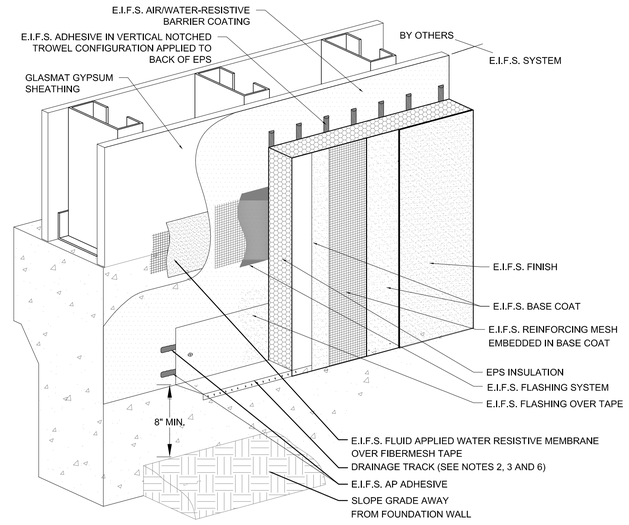

6 TYPICAL E.I.F.S. BASE OF WALL DETAIL
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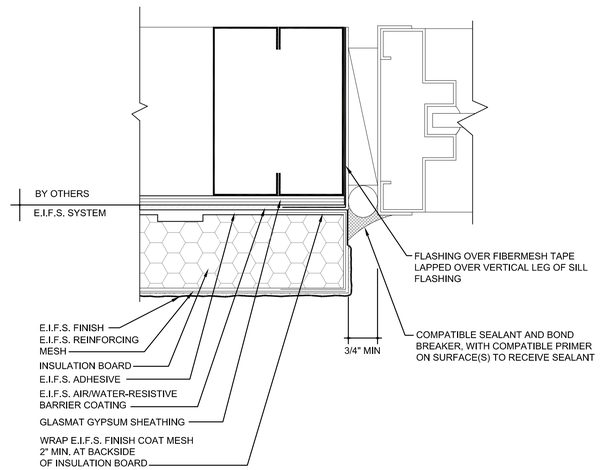

5 TYPICAL OPENING JAMB DETAIL
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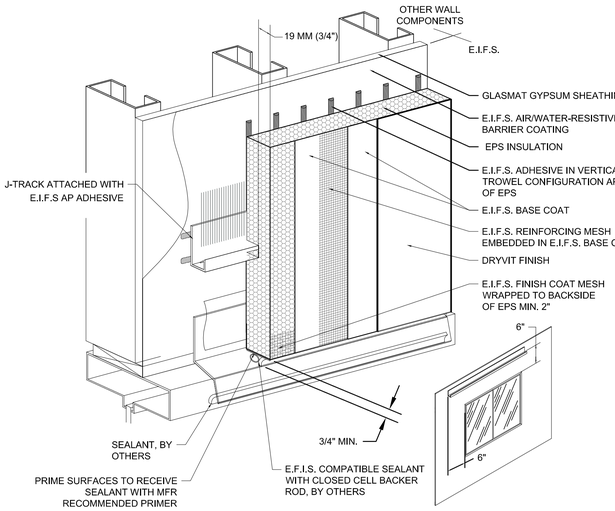


7 TYPICAL OPENING HEAD DETAIL
SCALE: N.T.S.

NO.	DATE:	DESCRIPTION
		REVISIONS

DATE

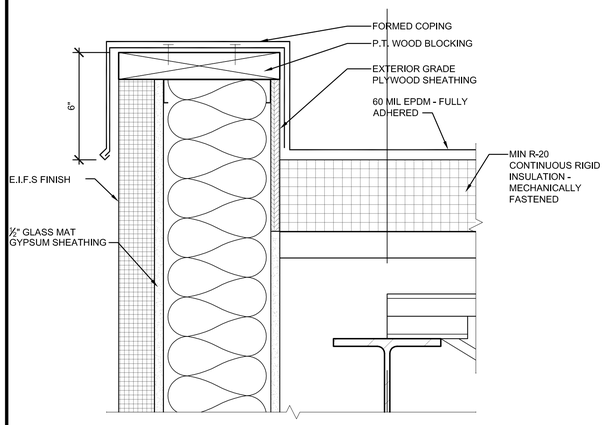
TYLIN INTERNATIONAL
255 EAST AVENUE
ROCHESTER, NY 14604
(585) 512-2000

DRAWING TITLE: DETAILS

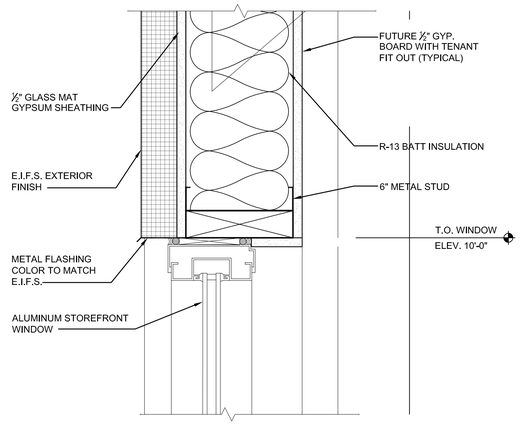
PROJECT NAME: GATEWAY BUSINESS PARK
PINEWILD DRIVE, GREECE NY

CLIENT: PLATINUM PROPERTY MANAGEMENT
P.O. BOX 26350, ROCHESTER, NY 14626

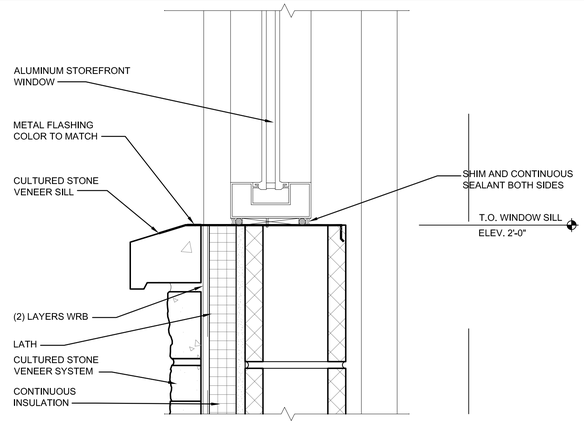
PROJECT NO.: 436043.00	PROJ. MGR.: THC
DATE: 09/03/15	DRWN. BY: ECM
SCALE: AS NOTED	CHKD. BY: THC
DRAWING NO: A501	
SHEET NO. 8 of 10	



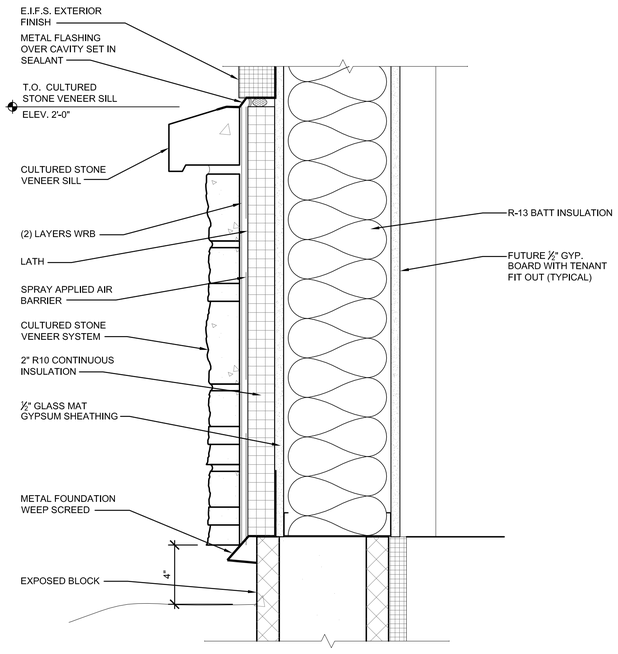
1 ROOF DETAIL
SCALE: 3" = 1'-0"



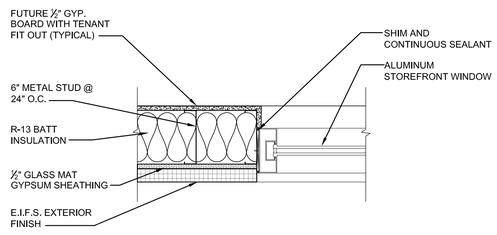
2 WINDOW HEADER DETAIL
SCALE: 3" = 1'-0"



3 WINDOW SILL DETAIL
SCALE: 3" = 1'-0"



4 STONE VENEER DETAIL
SCALE: 3" = 1'-0"



5 PLAN DETAIL
SCALE: 1 1/2"= 1'-0"

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, SECTION 7209

NO.	DATE:	DESCRIPTION
		REVISIONS

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255 EAST AVENUE
ROCHESTER, NY 14604
(585) 512-2000

DRAWING TITLE: DETAILS

PROJECT NAME: GATEWAY BUSINESS PARK
PINEWILD DRIVE, GREECE NY

CLIENT: PLATINUM PROPERTY MANAGEMENT
P.O. BOX 26350, ROCHESTER, NY 14626

PROJECT NO.:	PROJ. MGR.:
436043.00	THC
DATE: 09/03/15	DRWN. BY: ECM
SCALE: AS NOTED	CHKD. BY: THC
DRAWING NO: A502	
SHEET NO. 9 of 10	

DOOR SCHEDULE

DOOR NO.	OPENING					FRAME				REMARKS
	DOOR TYPE	WIDTH	HEIGHT	GLASS	HW	FIRE LABEL	HEAD	JAMB	FRAME TYPE	
100	SAG1	3'-0"	7'-0"	GL-1	1	-	AL1	AL1	A1	-
101	SAG1	3'-0"	7'-0"	GL-1	1	-	AL1	AL1	A1	-
102	SAG1	3'-0"	7'-0"	GL-1	1	-	AL1	AL1	A1	-
103	SAG1	3'-0"	7'-0"	GL-1	1	-	AL1	AL1	A1	-
104	SAG1	3'-0"	7'-0"	GL-1	1	-	AL1	AL1	A1	-
105	SAG1	3'-0"	7'-0"	GL-1	1	-	AL1	AL1	A1	-
106	SAG1	3'-0"	7'-0"	GL-1	1	-	AL1	AL1	A1	-
107	SAG1	3'-0"	7'-0"	GL-1	1	-	AL1	AL1	A1	-
108	NV	3'-0"	7'-0"	GL-1	2	-	M1	M1	M1	PAINT
109	OH	9'-0"	8'-0"	-	-	-	-	-	-	INSULATED R-12
110	NV	3'-0"	7'-0"	GL-1	2	-	M1	M1	M1	PAINT
111	OH	9'-0"	8'-0"	-	-	-	-	-	-	INSULATED R-12
112	NV	3'-0"	7'-0"	GL-1	2	-	M1	M1	M1	PAINT
113	OH	9'-0"	8'-0"	-	-	-	-	-	-	INSULATED R-12

DOOR HARDWARE

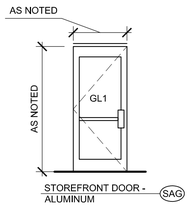
HW 01 - ALUMINUM STOREFRONT DOORS

2 EA	CONTINUOUS HINGE	112HD	313	IVES
2 EA	MANUAL FLUSH BOLT	FB0458	613	IVES
1 EA	DEADLOCK	MS18505	313	ADAMS RITE
1 SET	PUSH PULL	9190-0	613	IVES
1 EA	MORTISE CYLINDER	20-013 1⅛"	613	SCHLAGE
1 EA	THUMB TURN CYLINDER	98ST	613	FALCON
1 EA	SURFACE CLOSER	4111 S CUSH	695	LCN
1 EA	ADAPTER PLATE	4110-18PA	695	LCN
1 EA	SHOE SUPPORT	4110-30	695	LCN
1 EA	BLADE STOP SPACER	4110-61	695	LCN
1 EA	SWEEP THRESHOLD	C607DKB	DKB	NATIONAL GUARD
1 EA	THRESHOLD	425	AL	NATIONAL GUARD

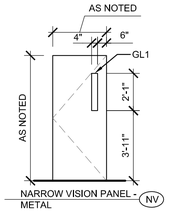
INTEGRAL WEATHERSTRIP BY DOOR MANUFACTURER

HW 02 - REAR LOADING DOCK MAN DOORS - EACH TO HAVE

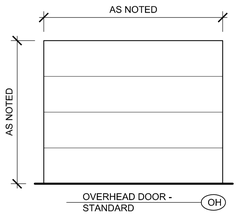
1 EA	CONTINUOUS HINGE	224HD	628	IVES
1 EA	MORTISE LOCK	L9060P 06A	626	SCHLAGE
1 EA	SURFACE CLOSER	4111 H CUSH	689	NATIONAL GUARD
1 SET	WEATHERSTRIP	A625A	CL	NATIONAL GUARD
1 EA	SWEEP	C627A	CL	NATIONAL GUARD
1 EA	THRESHOLD	426	AL	NATIONAL GUARD
1 EA	LOCK GUARD	LG1	630	IVES



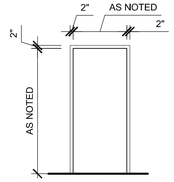
STOREFRONT DOOR - ALUMINUM (SAG)



NARROW VISION PANEL - METAL (NV)

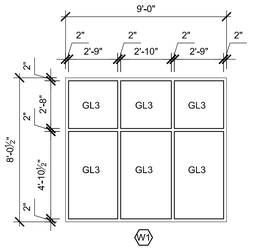


OVERHEAD DOOR - STANDARD (OH)

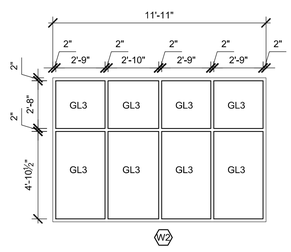


HOLLOW METAL FRAME - STANDARD (M1)

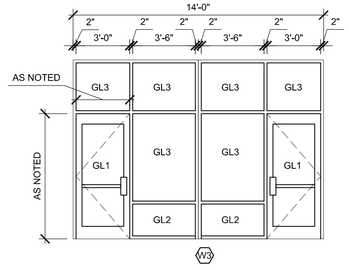
ALUMINUM STOREFRONT FRAME - STANDARD (A1)



W1



W2



W3

GLAZING TYPES	
GL1	⅝" INSULATED - TEMPERED LOW E
GL2	1" INSULATED - TEMPERED LOW E
GL3	1" INSULATED - ANNEALED LOW E

NO.	DATE	DESCRIPTION
		REVISIONS

DATE

T·Y·LIN INTERNATIONAL
255 EAST AVENUE
ROCHESTER, NY 14604
(585) 512-2000

DRAWING TITLE: DOOR SCHEDULE & DETAILS

PROJECT NAME: GATEWAY BUSINESS PARK
PINEWILD DRIVE, GREECE NY

CLIENT: PLATINUM PROPERTY MANAGEMENT
P.O. BOX 26350, ROCHESTER, NY 14626

PROJECT NO.: 436043.00	PROJ. MGR.: THC
DATE: 09/03/15	DRWN. BY: ECM
SCALE: AS NOTED	CHKD. BY: THC
DRAWING NO: A601	
SHEET NO. 10 of 10	