

Buffalo Outer Harbor Access and Activation Civic Project – Phase 1B

ADDENDUM NO. 1

ERIE CANAL HARBOR DEVELOPMENT CORPORATION

Thomas P. Dee, President

Erie Canal Harbor Development Corporation
95 Perry Street, 5th Floor
Buffalo, NY 14203

February 6, 2018

PREPARED BY:

Trowbridge Wolf Michaels Landscape Architects LLP
1001 W. Seneca Street
Suite 101
Ithaca, NY 14850
(607) 277-1400

This Addendum contains changes to the requirements of the Bidding Documents, Project Manual, and Construction Drawings that have been issued to date. Such changes are to be incorporated into the Construction Documents and shall apply to the work with the same meaning and force as if they had been included in the original documents. Wherever this Addendum modifies a portion of a paragraph of the Project Manual or a portion of any Drawing, the remainder of the paragraph or Drawing shall remain in force.

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Part 1: Contract Documents (Division 00 through Division 01)

1. Section 012300 – Alternates:
 - a. 3.1 A. 5: REVISE language to read as follows:

Add Alternate No. 5: Ticket Kiosk

DELETE Base Bid building wood frame structure above the concrete foundation walls in its entirety. Building foundation system including micro piles, footings, cast in place concrete walls and their reinforcements, and the electrical conduits cast into concrete foundation wall with electrical feeds and cast in receptacles are to be installed in the Base Bid. ADD steel framed ticket structure and its enclosure above the Base Bid Building foundation system as per Addendum #1 architectural/structural drawings and specifications. Include recessed mounted building power panel and all associated electrical/telecom data components for full building operation. Coordinate with landscape architecture, and civil engineer drawings submitted in the Base Bid building submission.

Part 2: Drawings

1. Cover: REVISE the Drawing Index to ADD the following drawings:

Structural

- S110 Tower Steel Plans
- S111 Tower Steel Sections and Elevations
- S112 Tower Steel Sections and Elevations
- S113 Tower Steel Sections and Details
- S114 Tower Steel Deflections
- S115 Tower Steel Details
- S116 Tower Steel Sill, Jamb and Header Details

Architectural

- A203A Building Mesh Panel Elevations – Add Alternate No. 5
- A402A Plan Details – Add Alternate No. 5

2. Cover: REVISE the Drawing Index to DELETE the following drawings:

Architectural

- A404A Plan Details – Add Alternate

3. ADD the following Structural Drawings

- S110 Tower Steel Plans
- S111 Tower Steel Sections and Elevations
- S112 Tower Steel Sections and Elevations
- S113 Tower Steel Sections and Details
- S114 Tower Steel Deflections
- S115 Tower Steel Details
- S116 Tower Steel Sill, Jamb and Header Details

4. ADD the following Architectural drawings:
 - A021A Exterior Perspectives – Add Alternate 5
 - A022A Exterior Perspectives – Add Alternate 5
 - A023A Exterior Perspectives – Add Alternate 5
 - A100A Floor Plans – Add Alternate 5
 - A101A Floor Plans – Add Alternate 5
 - A200A Building Elevations – Add Alternate 5
 - A201A Building Elevations – Add Alternate 5
 - A202A Building Steel Elevations – Add Alternate 5
 - A203A Building Mesh Panel Elevations – Add Alternate 5
 - A300A Building Sections – Add Alternate 5
 - A301A Building Sections – Add Alternate 5
 - A400A Wall Section Details – Add Alternate 5
 - A401A Wall Section Details – Add Alternate 5
 - A402A Plan Details – Add Alternate 5
 - A403A Plan Details – Add Alternate 5
 - A500A Window and Door Schedule – Add Alternate 5

5. GN002 General & Key Plan:

- a. REVISE Note #5 to read as follows:

Add Alternate No. 5: Ticket Kiosk

DELETE Base Bid building wood frame structure above the concrete foundation walls in its entirety. Building foundation system including micro piles, footings, cast in place concrete walls and their reinforcements, and the electrical conduits cast into concrete foundation wall with electrical feeds and cast in receptacles are to be installed in the Base Bid. ADD steel framed ticket structure and its enclosure above the Base Bid Building foundation system as per Addendum #1 architectural/structural drawings and specifications. Include recessed mounted building power panel and all associated electrical/telecom data components for full building operation. Coordinate with landscape architecture, and civil engineer drawings submitted in the Base Bid building submission.

6. L101 Salvage Items From Owner's Stockpile: Epoxy coated reinforcing mesh in quantity sufficient for construction of concrete plaza is available in owner's stockpile.
7. L213 Layout Plan NW: Clarification: Roundabout A has (3) clusters of salvaged vertical pilings.
8. L215 Layout Plan NE: Clarification: Roundabout B has (1) cluster of salvaged vertical pilings.
9. L216 Layout Plan Enlargements: Clarification: There are (7) single salvaged vertical pilings in the stone dust area, and (7) single salvaged vertical pilings in the upper terrace north of the ticket kiosk. There are (3) clusters of salvaged vertical pilings in the Bike Park Activity Area.
10. L401 Habitat Restoration and Seeding Plan: Clarification: Area hatched as "Erosion Control Zone" shall receive custom seed mix as specified on sheet L402 Habitat Restoration Schedules and erosion control blanket per sheet L514.

Part 3: Specifications

2. Section 057513 – Decorative Fret Bar and Rod Assembly:
 - a. REPLACE (Header & Footer): Section 057513 - Decorative Rod Assembly
 - b. DELETE (1.2.A.1, 1.3.A, 1.5.D, 1.6.A, 2.1.A, 2.1.B, 2.2.A, 2.2.B, 2.2.B.1, 2.4.A, 2.4.B, 'Fret Bar' and associated divisions and parts.
 - c. REPLACE (1.5.C): Calculations: Provide professionally prepared signed and sealed calculations and certification of the performance of this work. Show how design load requirements and other performance criteria have been satisfied.
 - d. REPLACE (2.1.B.2): Prestress (as required): The maximum permissible prestress for the rods shall be 200lb over the rod cross section.
 - e. ADD (2.1.B.4): Natural Frequency: Rods shall be designed so that the natural frequency of the assembly does not match typical wind frequencies in either the first or second mode of resonance.
 - f. ADD (2.1.B.5): Rod anchorages shall be designed so as to not induce compression or buckling in members due to deformation of structure.
3. Section 057515 – Decorative Formed Perforated Panels:
 - a. REPLACE (1.6.A) Fabricator Qualifications: A firm with a minimum of 5 years' experience in producing decorative formed perforated panels similar to that indicated for this Project and with a record of successful in-service performance as well as sufficient production capacity to produce required units. Fabricator to demonstrate successful experience, on at least 3 projects, fabricating panel work similar in type and quality to those required for this Project. Obtain Architect and Owner approval for selected installation firm.
 - b. REPLACE (1.6.B) Installer Qualifications: Arrange for installation work by a firm that can demonstrate successful experience on at least 3 projects, installing panel work similar in type and quality to those required for this Project. Obtain Architect and Owner approval for selected installation firm.
4. Section 108113 – Bird Control Devices:
 - a. DELETE (1.01.A.2, & 1.03.A) Bird Wire anti-perch system and associated divisions and parts.
 - b. DELETE (2.02,A-D) Bird Wire.
 - c. ADD (3.01.E) Install Bird Spikes with outdoor construction adhesive, as recommended by the manufacturer.
 - d. DELETE (3.02, A-H) Installation – Bird Wire.
5. Section 079200 – Joint Sealants:
 - a. ADD (3.04.B) #10. Field Fasteners and holes in steel.
6. Section 334102 – Corrugated Steel Pipe:
 - a. REPLACE entire section with the attached.

END OF ADDENDUM 1

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SECTION 334102 - CORRUGATED STEEL PIPE

PART 1 - GENERAL

1.1 RELATED WORK SPECIFIED ELSEWHERE

- A. Concrete for Collar: Section 033001.
- B. Earth Moving: Section 312000.

1.2 SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings:
 - 1. Pipe: Include structure layout, geometry, design assumptions, material specifications, assembly notes, and requirements for backfill material and placement.
 - 2. Liner: Show fabrication and installation details, including panel layout, seams, and method of attachment and sealing to other construction.

PART 2 - PRODUCTS

2.1 PIPE

- A. Manufacturers:
 - 1. Big R Bridge: P.O. Box 1290 Greeley, CO 80632; www.bigrbridge.com.
 - 2. Approved Equal.
- B. Manufactured in accordance with AASHTO LRFD minimum HL-93 design live load.
- C. Dimensions: As shown on Drawings
 - 1. Minimum Wall Thickness: 0.170 in.
- D. Finish: Galvanized.

2.2 PENETRATION SEALER

- A. GE Silicone II Metal Caulk, or approved equal.

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Phase 1B

2.3 PIPE LINER

- A. Sheet Material: Formulated EPDM formed into uniform, flexible sheets.
1. Fabricate liner panels from sheets in sizes as large as possible to minimize field seaming.
 2. Nominal Thickness: 45-mil minimum, per ASTM D 751.
- B. Adhesives: Provide types of adhesive primers, compounds, solvents, and tapes recommended by liner manufacturer for sealing of seams in liner.

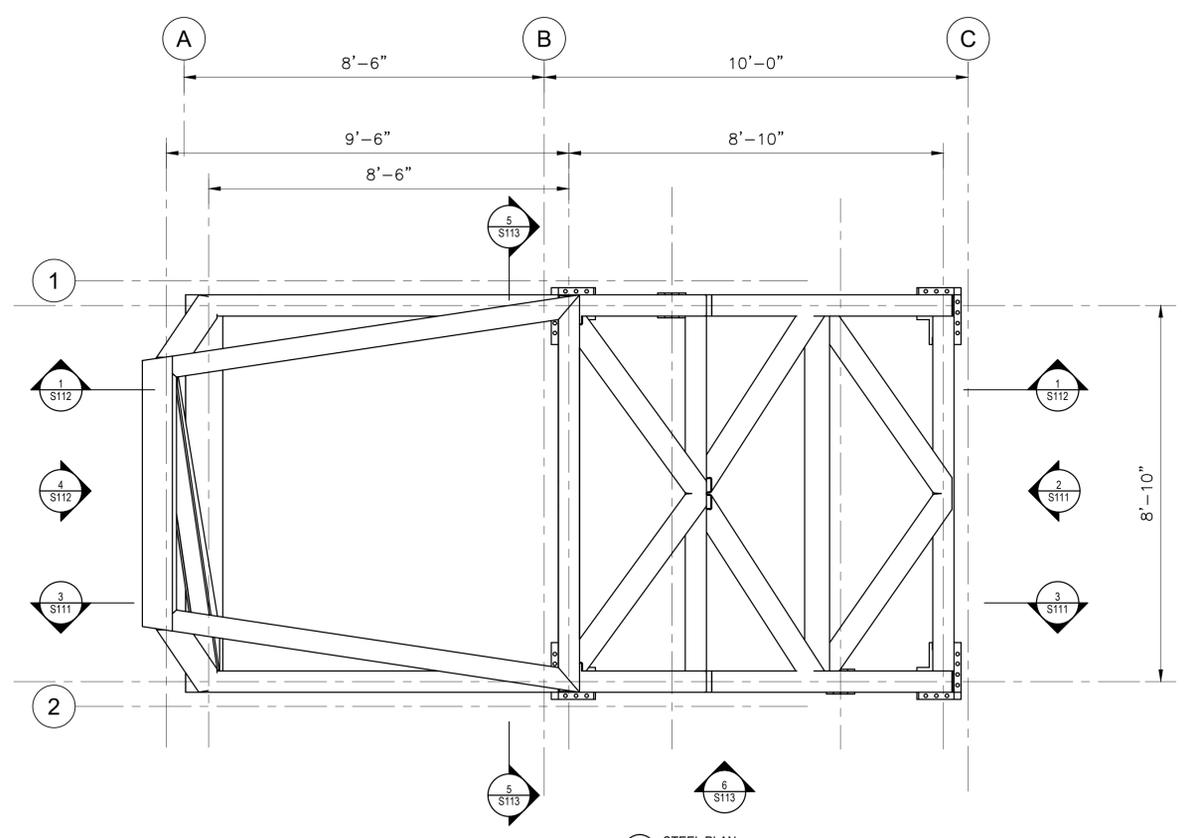
PART 3 - EXECUTION

3.1 INSTALLATION

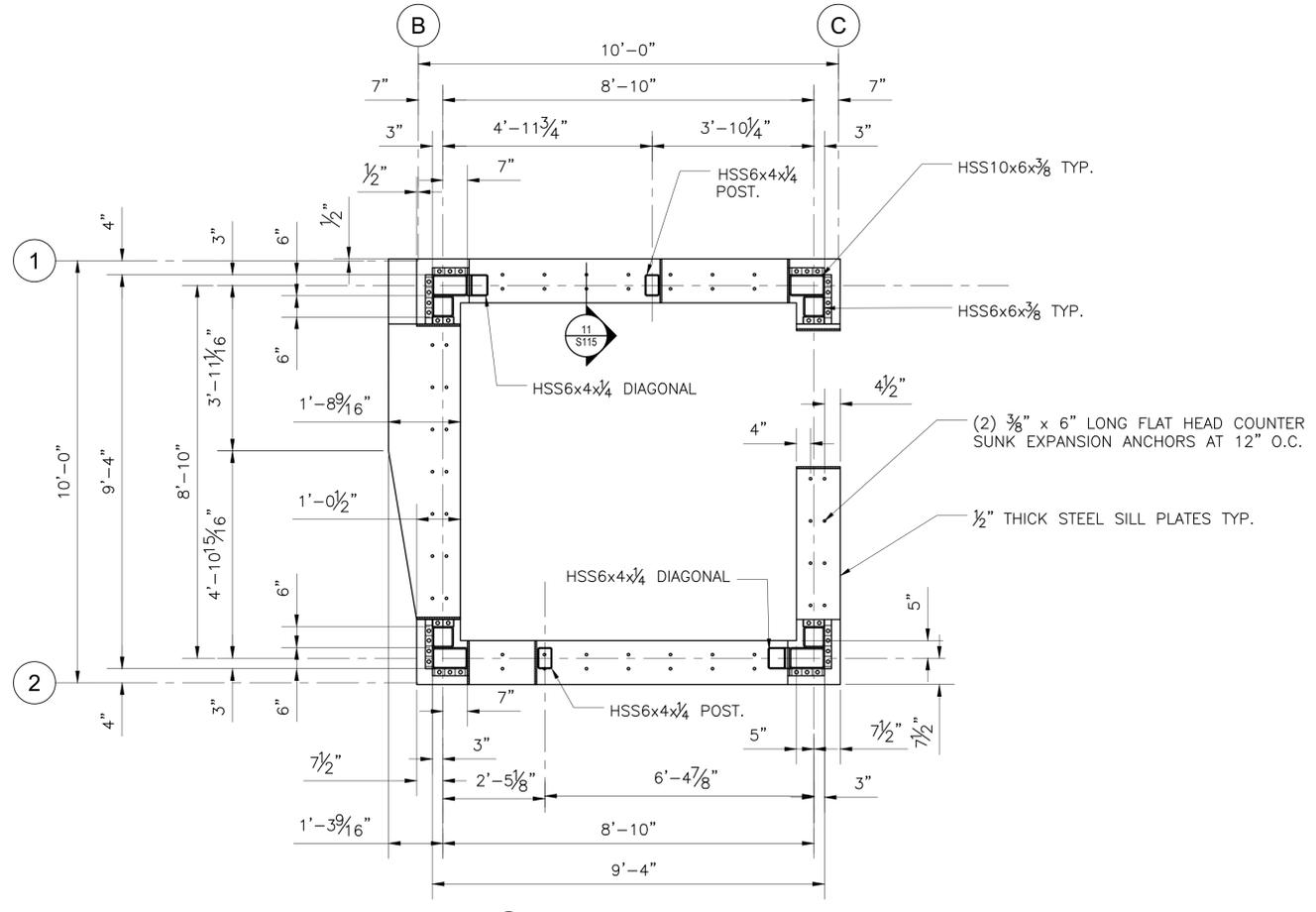
- A. Pipe:
1. Laying: Lay pipe as indicated on Drawings and grade with a firm uniform bearing for the entire length of the pipe. Excavate sufficient working clearance at each joint. Fill excess excavation with suitable material and tamp.
 2. Assembly: Per manufacturer's installation instructions.
 3. Hardware to be supplied by manufacturer.
- B. All penetrations shall be sealed prior to placement of liner and backfill.
- C. Liner:
1. Apply liner to upper 2/3 of the pipe prior to backfill.
 2. Install liner by draping over pipe and electrical conduit. Adhere liner to pipe as needed for ease of installation. Fit closely and permanently secure edges at concrete collar.
 3. Field seams: All seams to be watertight.
 4. Repair tears, punctures, and other imperfections prior to backfilling.
 5. Prior to placement of backfill, verify that liner is watertight by running a hose over the sealed area to check for leaks. Engineer/Architect shall be on site for approval.

END OF SECTION 334102

File: \\mbuff01\0055187805 - Buffalo Outer Harbor Improvements\02_South End Bike Park\CADD\Isoklower_Steel.dwg Plot Date: 2/5/2018



STEEL PLAN
Scale: 1/2" = 1'-0"



BASEPLATE PLAN
Scale: 1/2" = 1'-0"

STRUCTURAL DESIGN LOADS	
DEAD LOADS	
ROOF	25 P.S.F.
WALLS	15 P.S.F.
BAR FACADE	(150)1/4" DIA. BARS EACH AT 175LB TEN.
METAL PANELS	5 P.S.F.
ROOF (CONSTRUCTION)	20 P.S.F.
FLOOR (PUBLIC)	100
LIVE LOADS	
SNOW	
CATEGORY/IMPORTANCE Is	II/1.0
GROUND Pg	50 P.S.F.
EXPOSURE Ce	1.0
THERMAL Ct	1.0
FLAT ROOF Pf	35 P.S.F.
DRIFTING	PER ASCE7
WIND	
CATEGORY	II
BASIC WIND SPEED V _{3s}	115 MPH
EXPOSURE	D
MWFRS PRESSURE	45 P.S.F.
SEISMIC	
USE GROUP/IMPORTANCE Ie	I/1.0
S _{ds}	0.343g
S _{d1}	0.139g
SITE CLASS	E
DESIGN CATEGORY	C
BASIC SEISMIC FORCE RESISTING SYSTEM	BRACED FRAME
RESPONSE MODIFICATION FACTOR R	3.0
ANALYSIS PROCEDURE	EQ. LAT. FORCE
REFERENCED CODES	
NYS BUILDING CODE 2016 (IBC 15)	
ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS	
AISC 360-05 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS	
ACI 318-14 BUILDING CODE REQUIREMENTS FOR CONCRETE	

TROWBRIDGE
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Buffalo Outer Harbor Access and Activation Civic Project, Phase 1B

825 & 901 Fuhrmann Boulevard, Buffalo, New York 14203

DATE:	2/6/18
PROJECT:	2016032
PHASE:	ADD. #1
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CHECKED:	KTH

TOWER
STEEL
PLANS

S110



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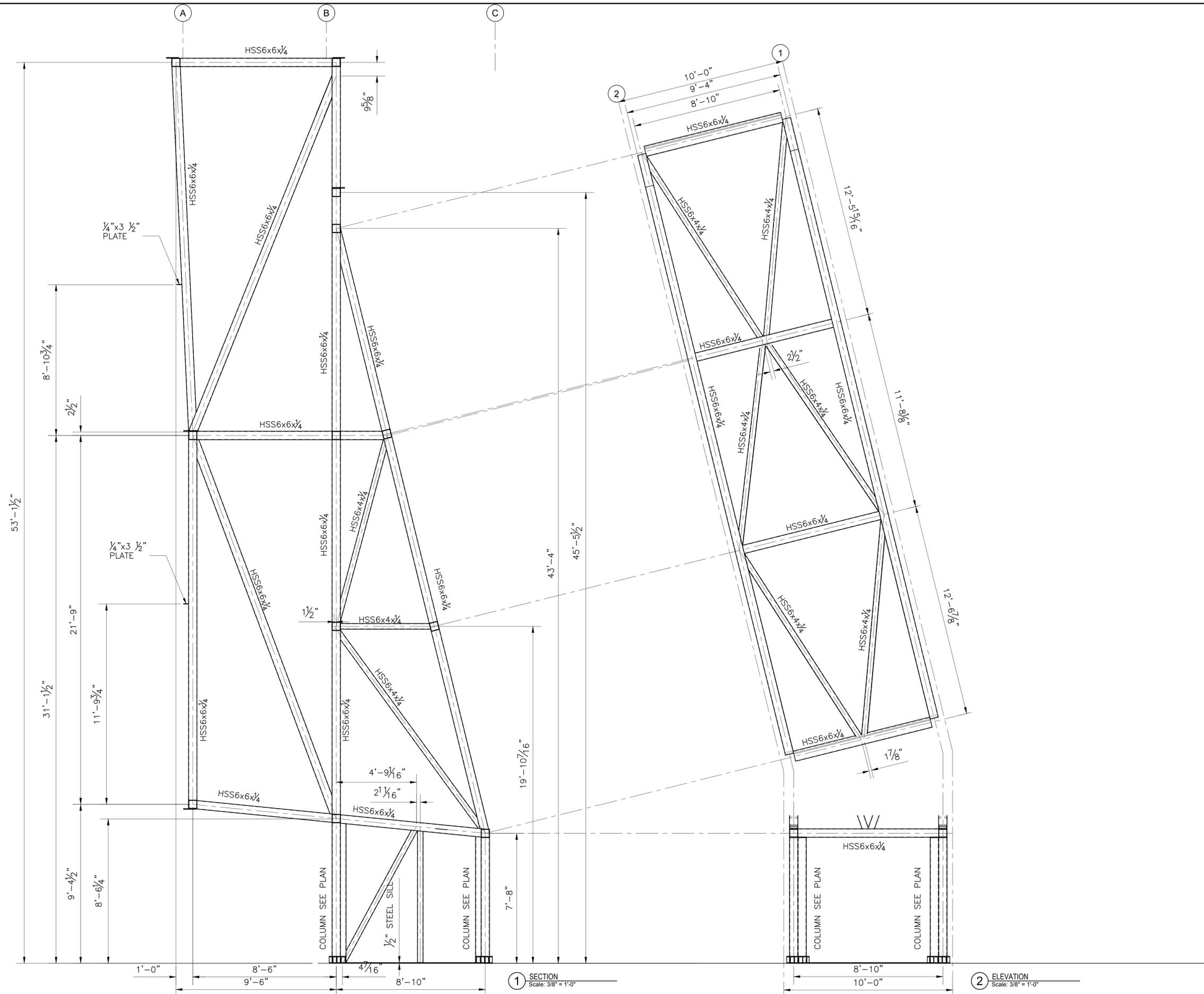
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TOWER
STEEL
SECTIONS AND
ELEVATIONS

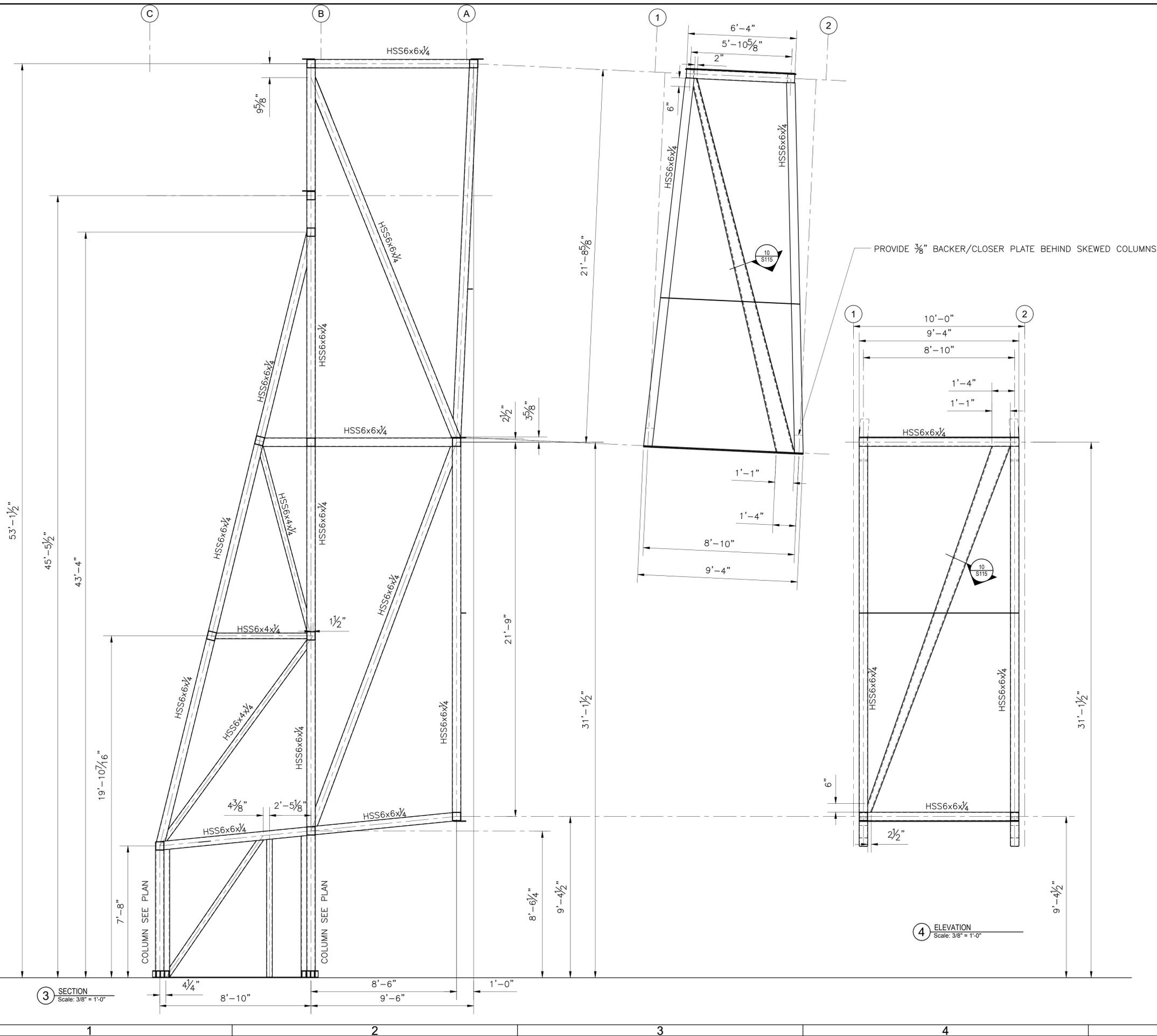
S111



1 SECTION
Scale: 3/8" = 1'-0"

2 ELEVATION
Scale: 3/8" = 1'-0"

File: \\amburjo\LD\B\187806 - Buffalo Outer Harbor Improvements\02-South End Blue Park\CAD\Detailing - Steel.dwg Plot Date: 2/5/2018



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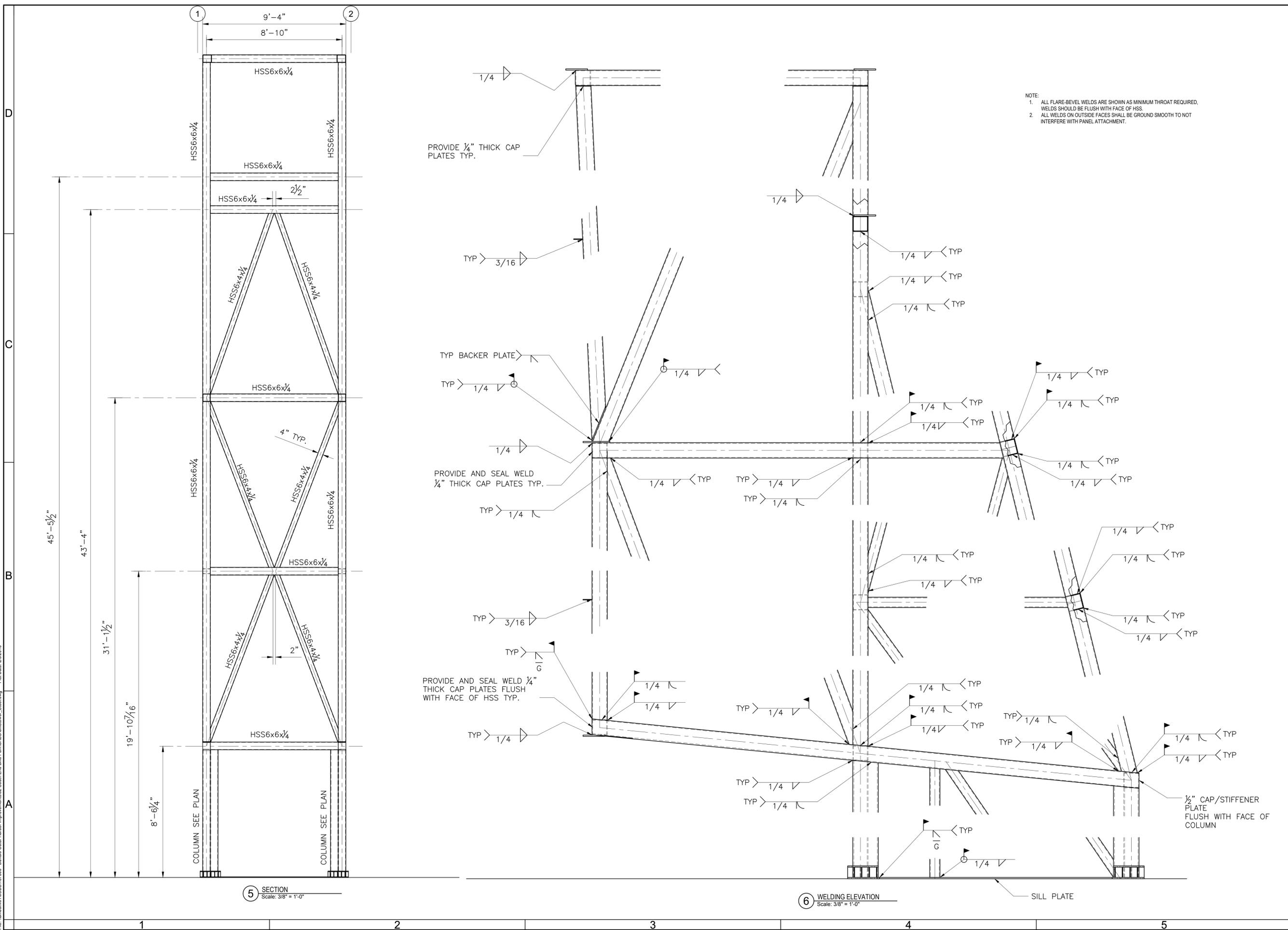
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TOWER
STEEL
SECTIONS AND
ELEVATIONS

S112

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NOTE:
 1. ALL FLARE-BEVEL WELDS ARE SHOWN AS MINIMUM THROAT REQUIRED, WELDS SHOULD BE FLUSH WITH FACE OF HSS.
 2. ALL WELDS ON OUTSIDE FACES SHALL BE GROUND SMOOTH TO NOT INTERFERE WITH PANEL ATTACHMENT.



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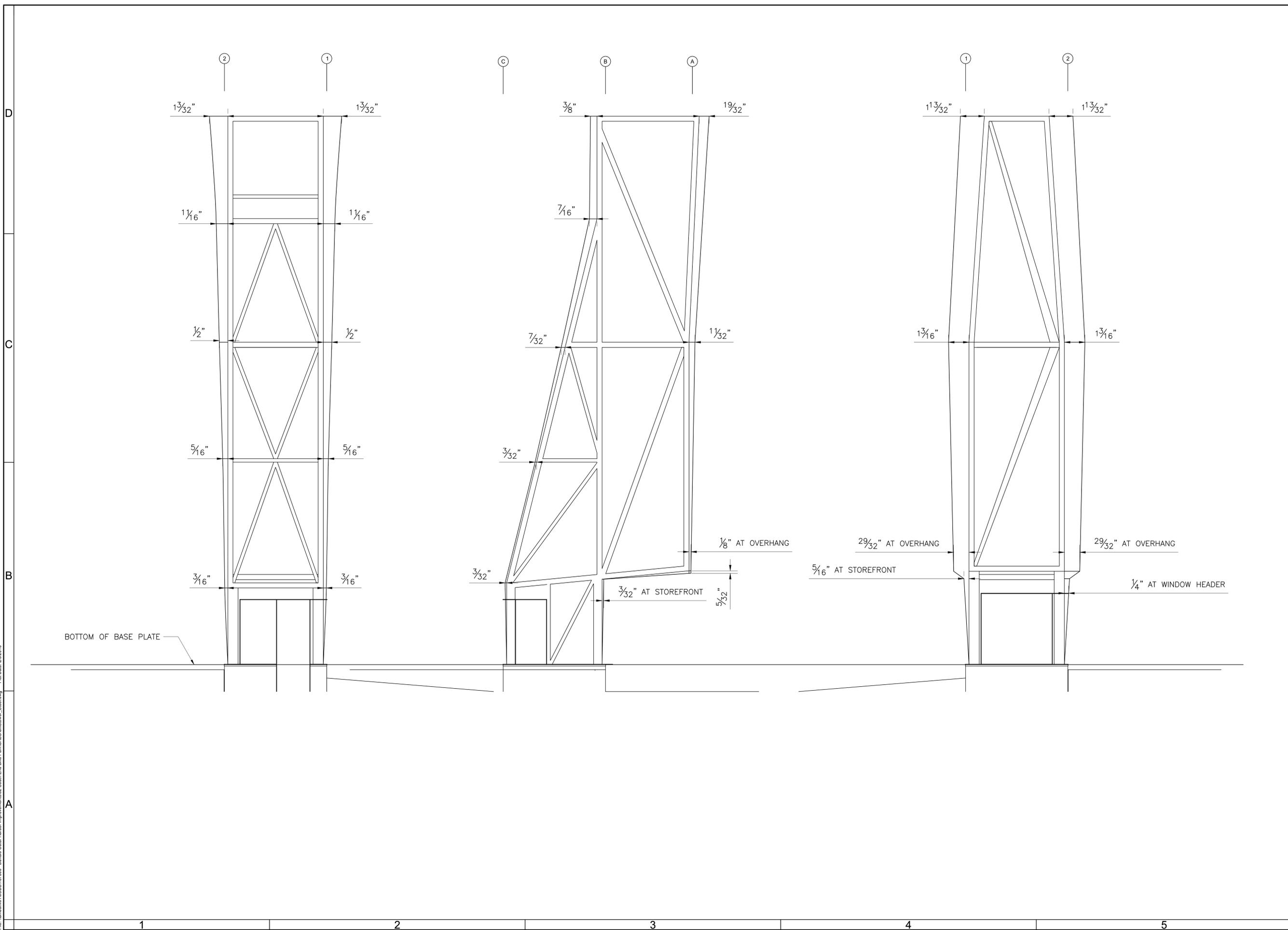
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TOWER
STEEL
SECTIONS AND
DETAILS

S113

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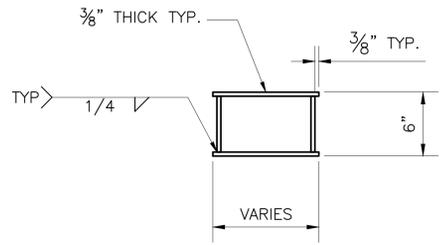
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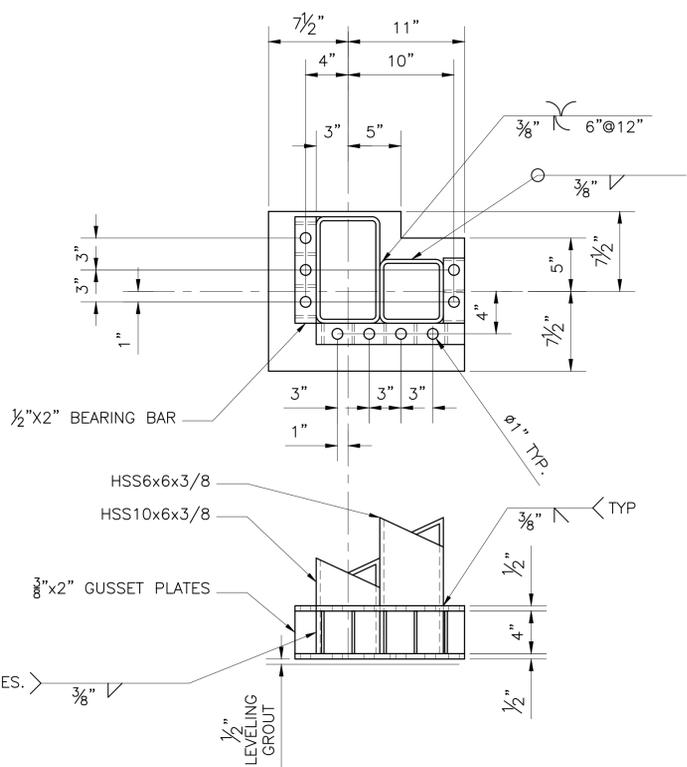
TOWER
STEEL
DEFLECTIONS

S114

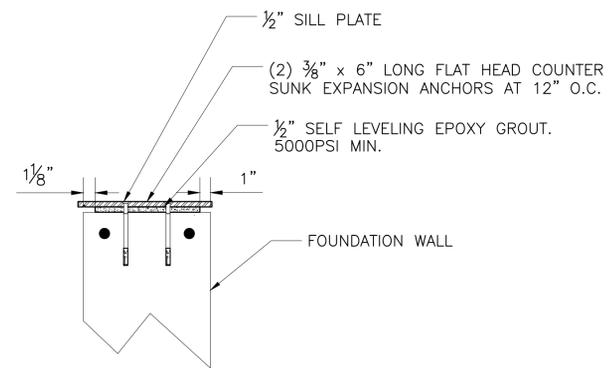
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10 ARROW SECTION
Scale: 1 1/2" = 1'-0"



11 BASE PLATE DETAIL
Scale: 1 1/2" = 1'-0"



11 SILL SECTION
Scale: 1 1/2" = 1'-0"



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TOWER
STEEL
DETAILS

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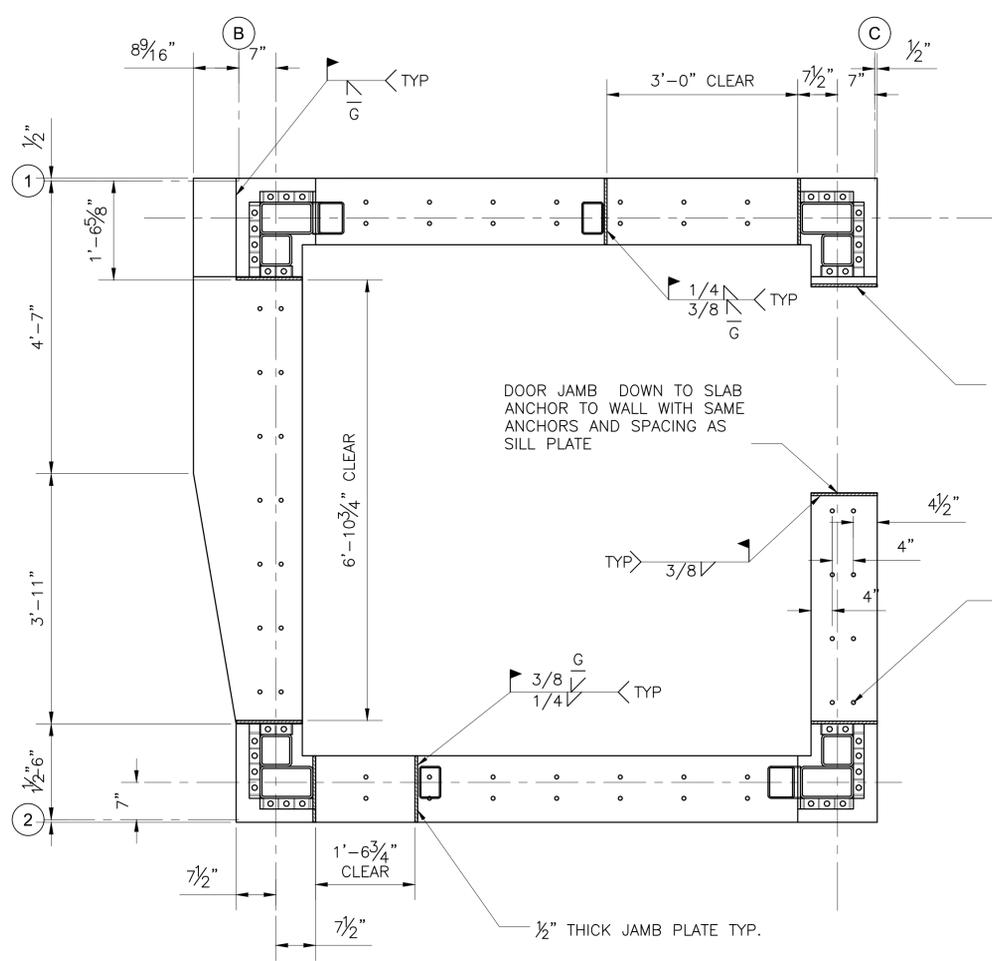
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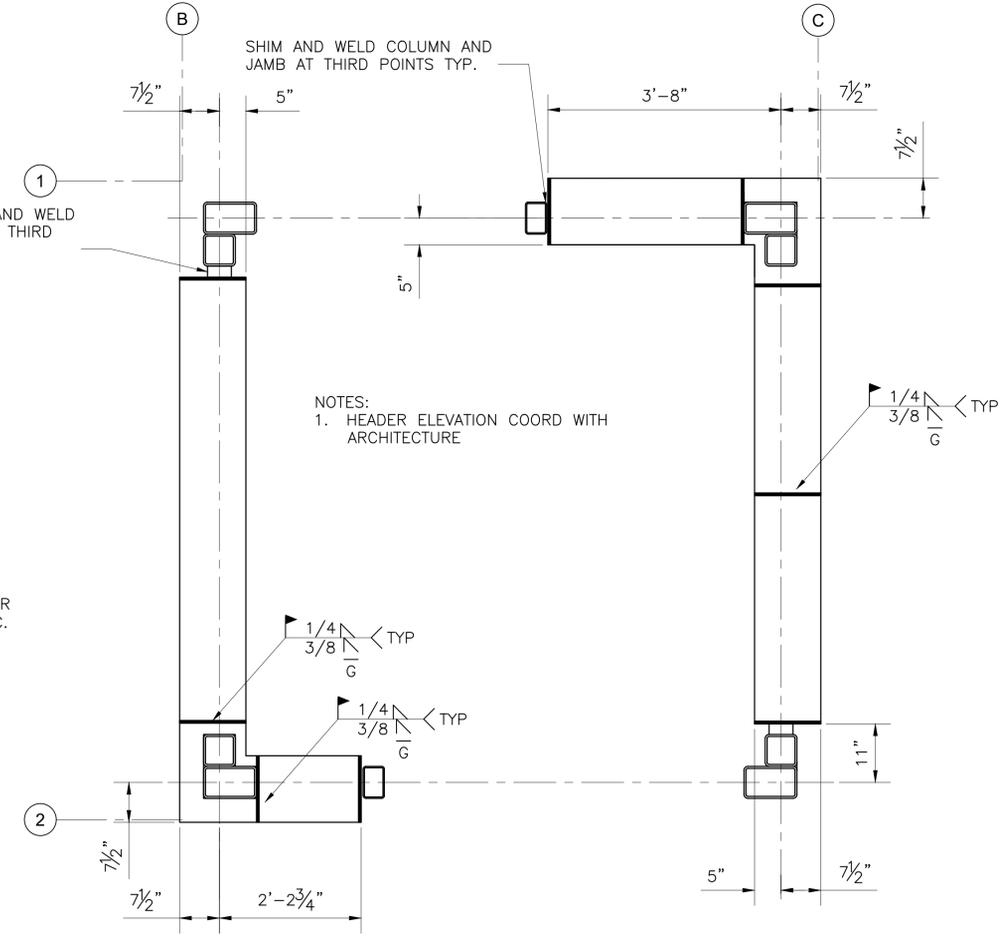
TOWER
STEEL
SILL, JAMB AND
HEADER
DETAILS

S116



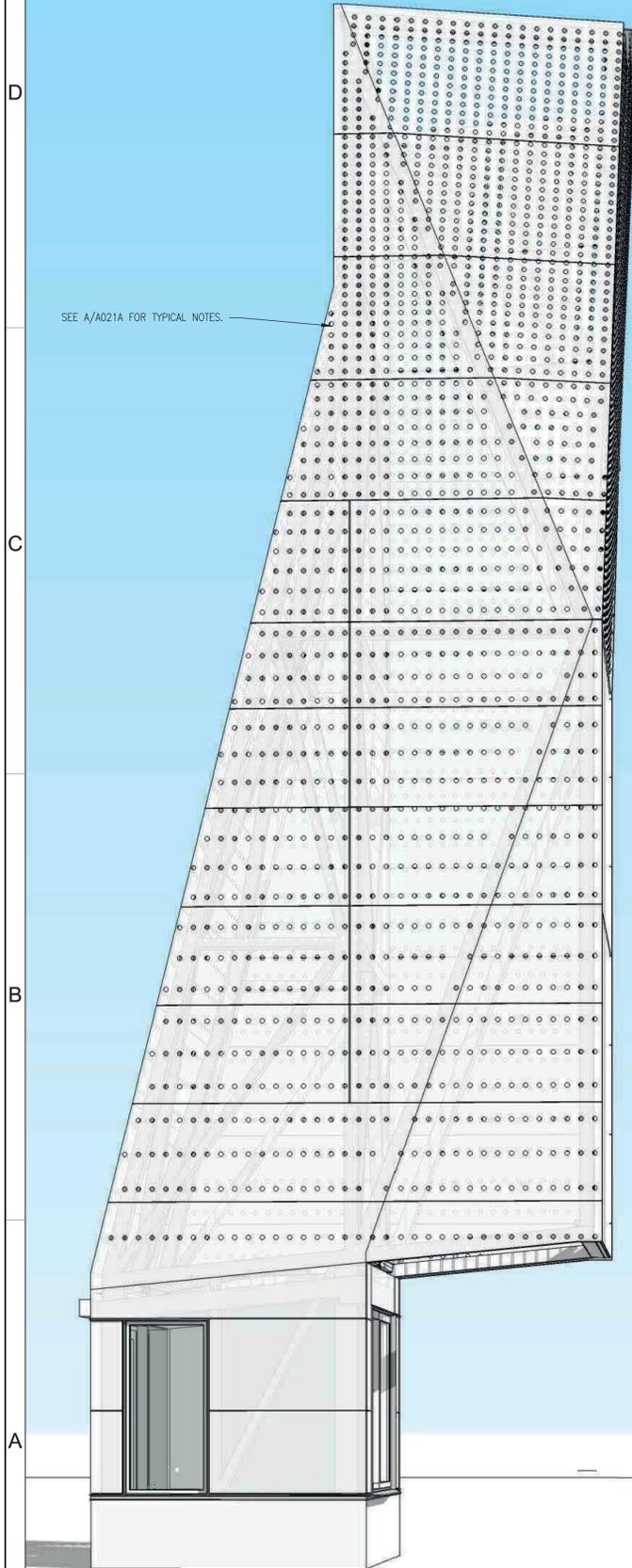
SILL DETAIL PLAN
Scale: 3/4" = 1'-0"

- NOTES:
1. ALL PLATES ARE 1/2" THICK.
 2. ALL WELDS MUST BE GROUND SMOOTH AND FINISHED TO ACCEPT PAINT.
 3. WELDS MUST BE GROUND TO NOT INTERFERE WITH FINISHES, DOORS OR WINDOWS.



REFLECTED HEADER PLAN
Scale: 3/4" = 1'-0"

NOTE: AXONOMETRIC AND PERSPECTIVES ARE A DIAGRAM OF THE BUILDING ASSEMBLY AND DO NOT NECESSARILY ACCURATELY REFLECT THE DETAILED ASSEMBLY OR QUANTITIES. SEE DRAWINGS FOR ADDITIONAL INFORMATION.

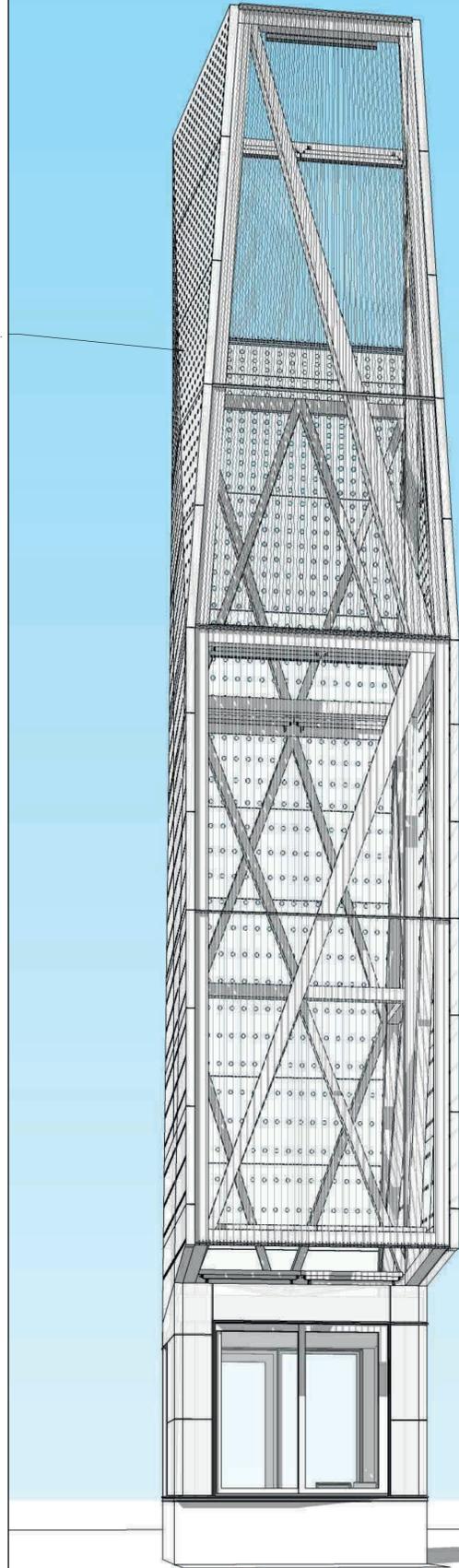


C: PERSPECTIVE

Scale N/A

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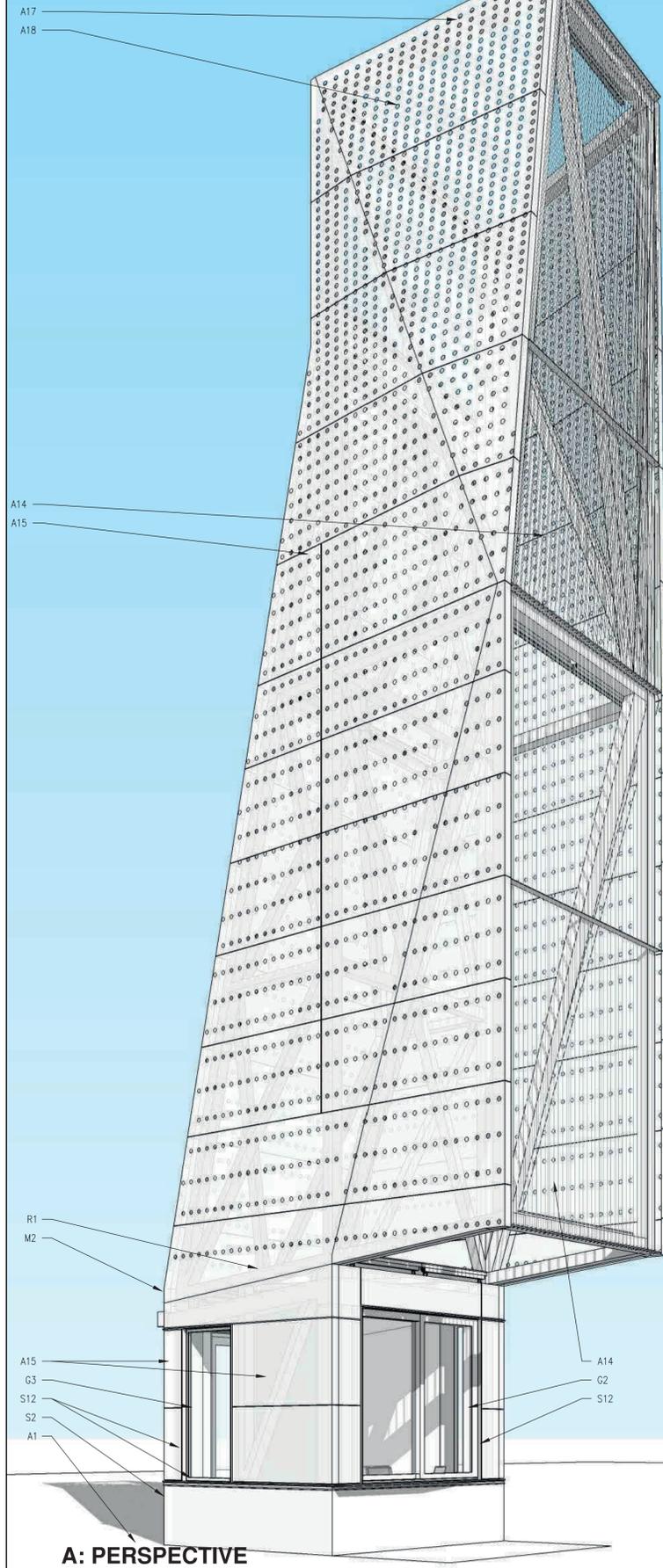
SEE A/A021A FOR TYPICAL NOTES.



B: PERSPECTIVE

Scale N/A

3



A: PERSPECTIVE

Scale N/A

4

5

Architect:
**Touloukian
Touloukian Inc.**
151 Pearl Street, 2nd Floor
Boston, MA 02110
Tel: (617) 526-0884



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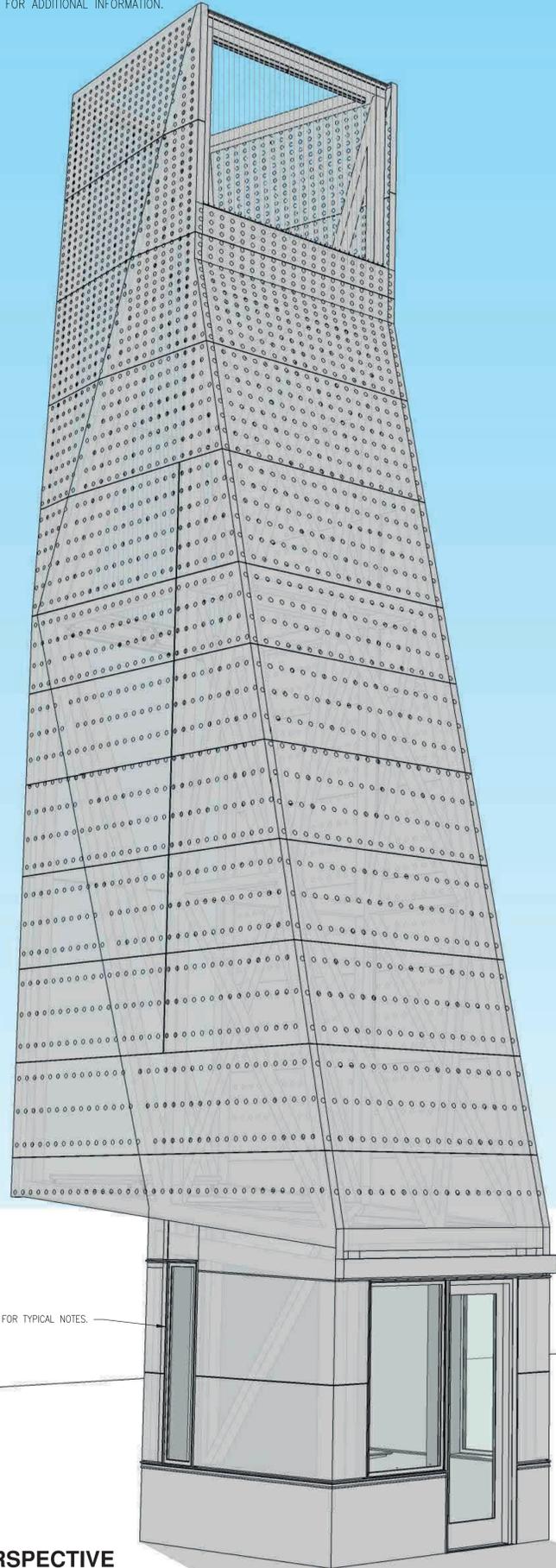
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901 Fuhrmann Boulevard, Buffalo, New York 14203

DATE: 1/31/2018
PROJECT: 2016032
PHASE: BID DOCUMENTS
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CHECKED:

EXTERIOR PERSPECTIVES
- ADD ALTERNATE NO. 5

A021A

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SEE A/A021A FOR TYPICAL NOTES.

A

B

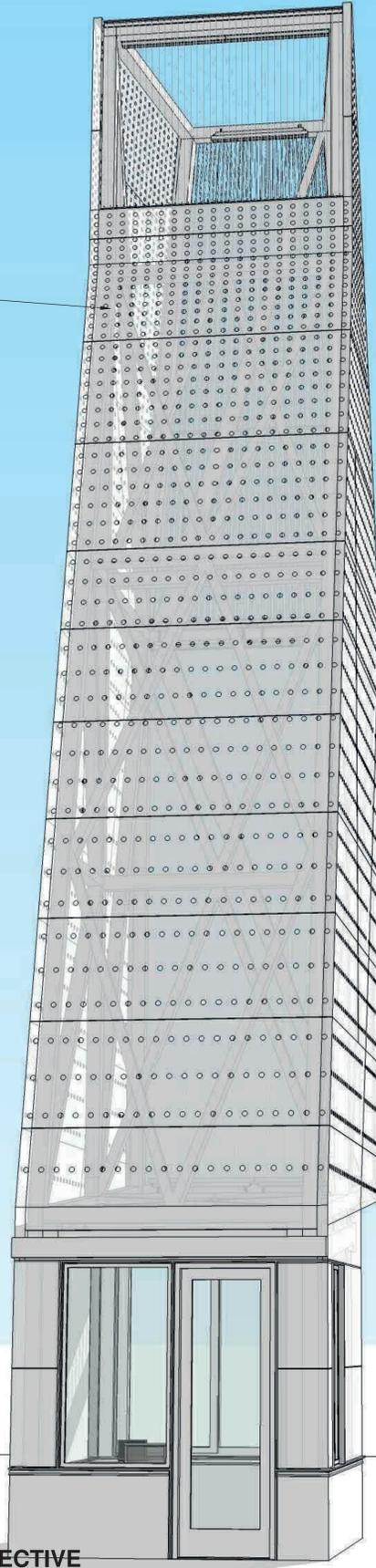
C

D

C: PERSPECTIVE

Scale N/A

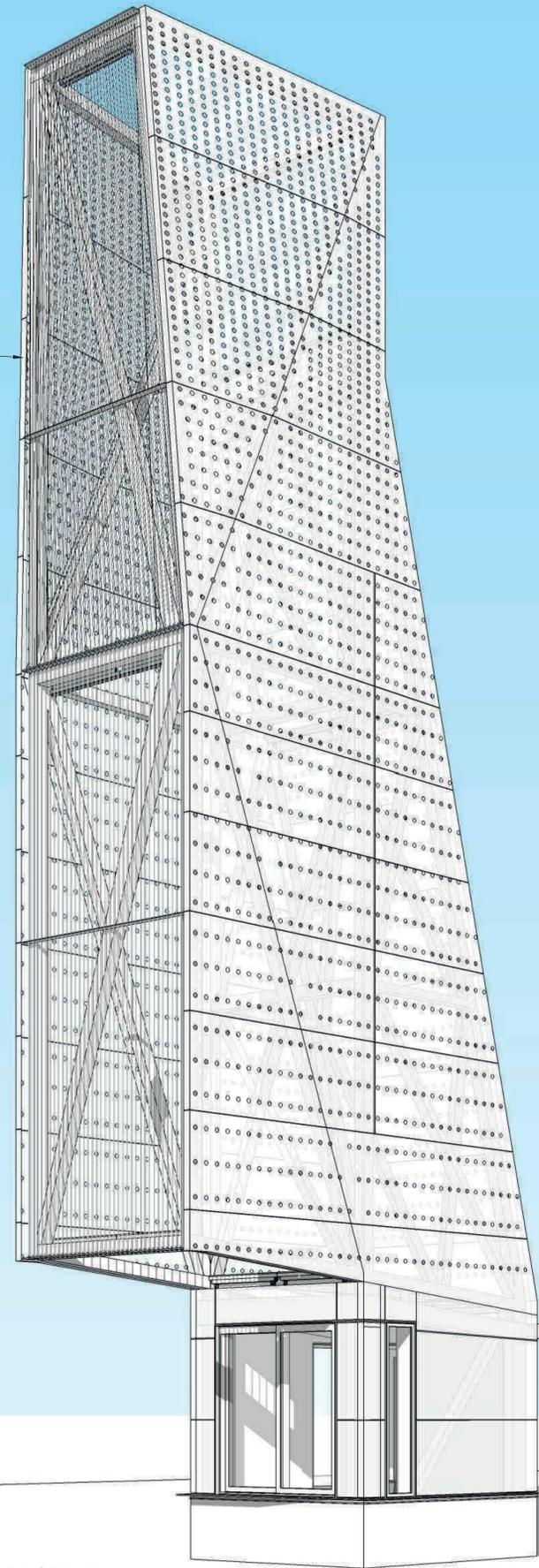
SEE A/A021A FOR TYPICAL NOTES.



SEE A/A021A FOR TYPICAL NOTES.

B: PERSPECTIVE

Scale N/A



A: PERSPECTIVE

Scale N/A

Architect:
**Touloukian
Touloukian Inc.**
151 Pearl Street, 2nd Floor
Boston, MA 02110
Tel: (617) 526-0884



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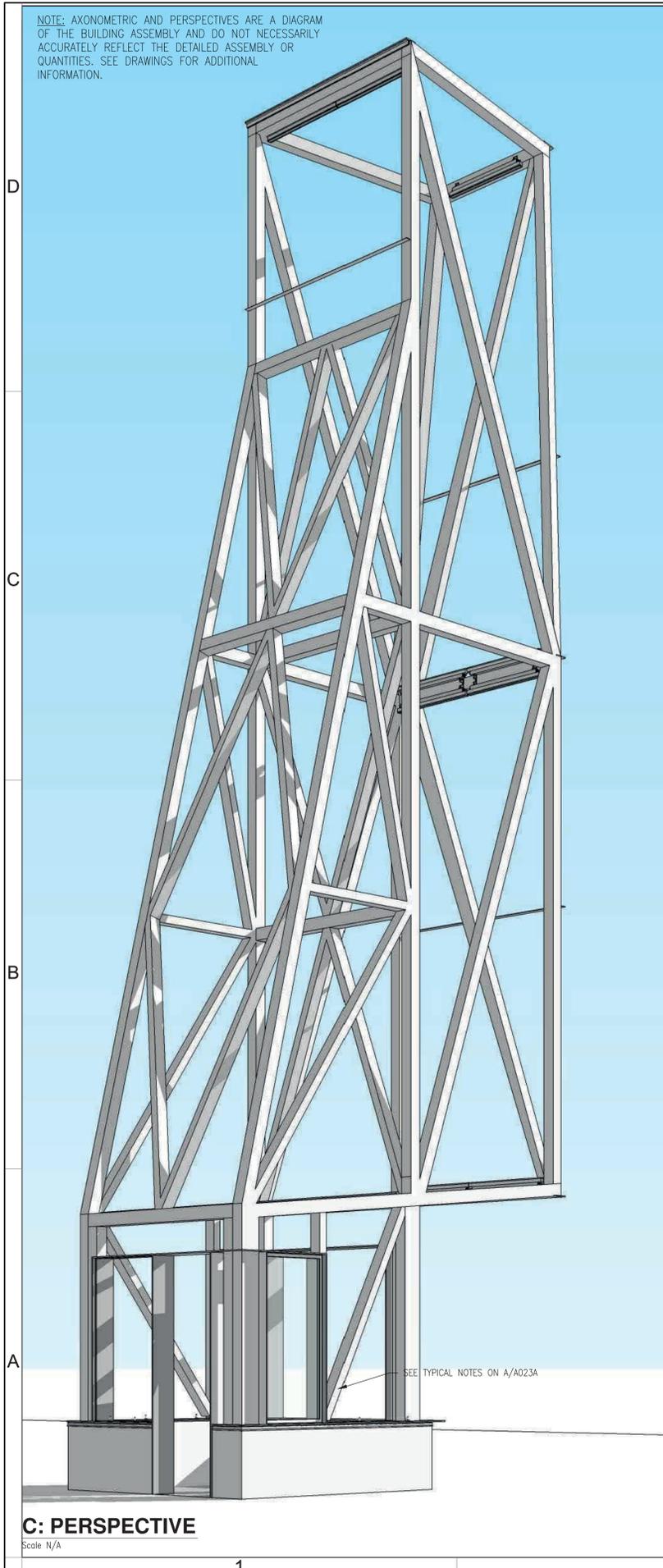
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DATE: 1/31/2018
PROJECT: 2016032
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CHECKED:

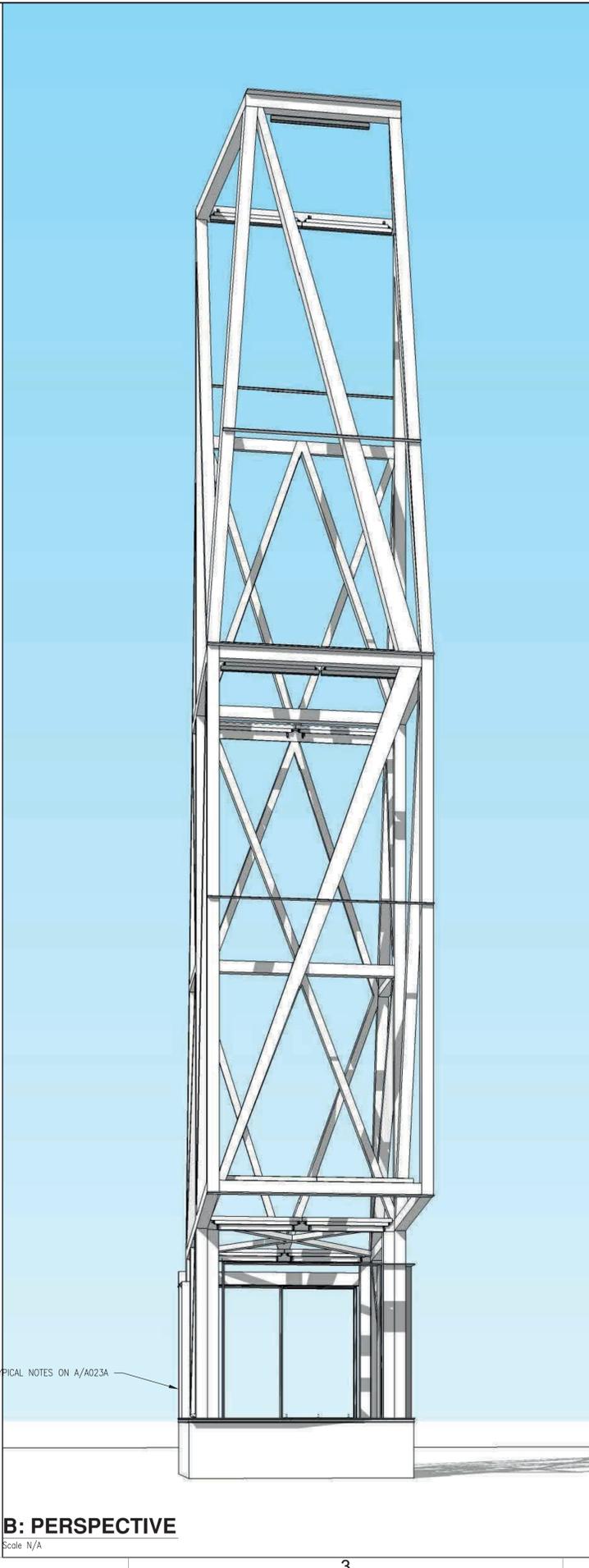
EXTERIOR PERSPECTIVES
- ADD ALTERNATE NO. 5

A022A

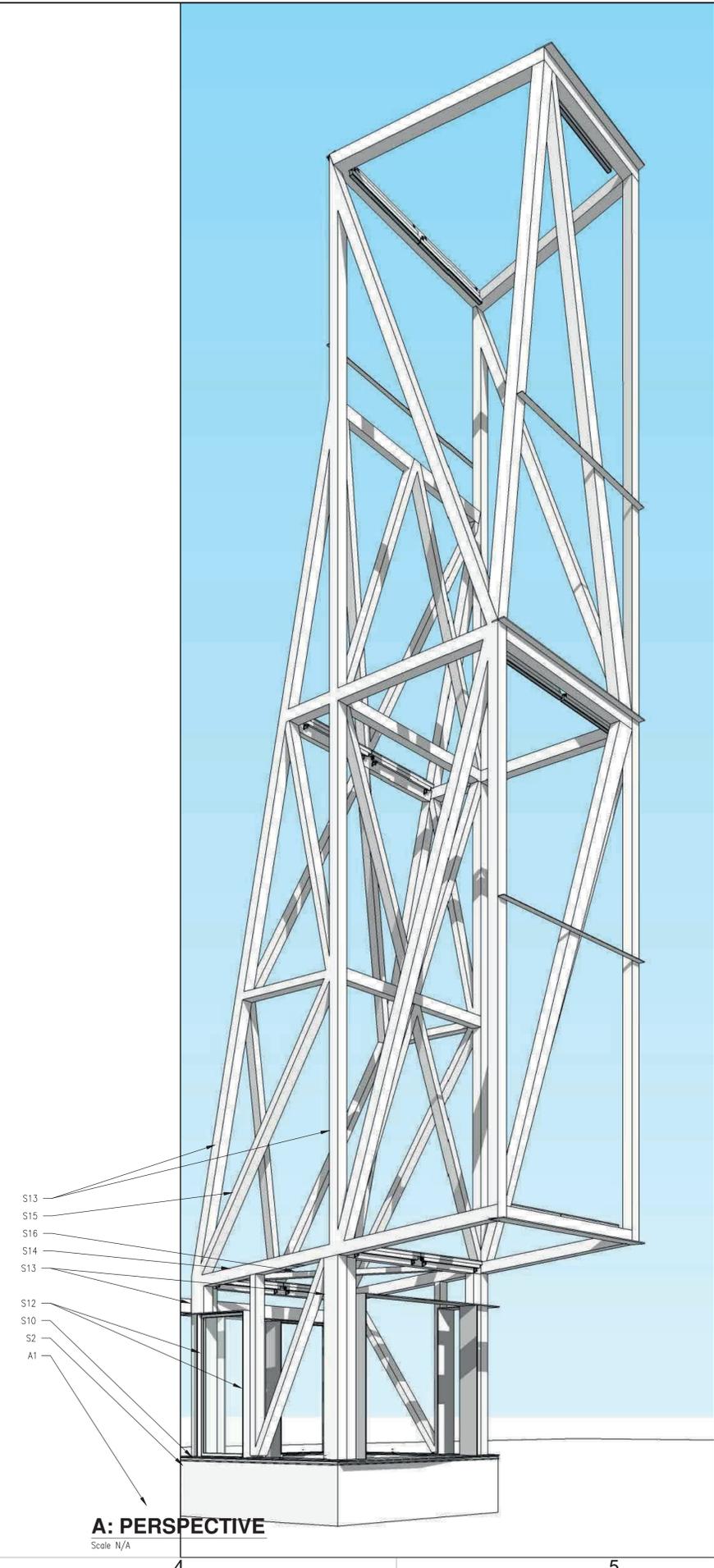
NOTE: AXONOMETRIC AND PERSPECTIVES ARE A DIAGRAM OF THE BUILDING ASSEMBLY AND DO NOT NECESSARILY ACCURATELY REFLECT THE DETAILED ASSEMBLY OR QUANTITIES. SEE DRAWINGS FOR ADDITIONAL INFORMATION.



C: PERSPECTIVE
Scale N/A



B: PERSPECTIVE
Scale N/A



A: PERSPECTIVE
Scale N/A

Architect:
**Touloukian
Touloukian Inc.**
151 Pearl Street, 2nd Floor
Boston, MA 02110
Tel: (617) 526-0884



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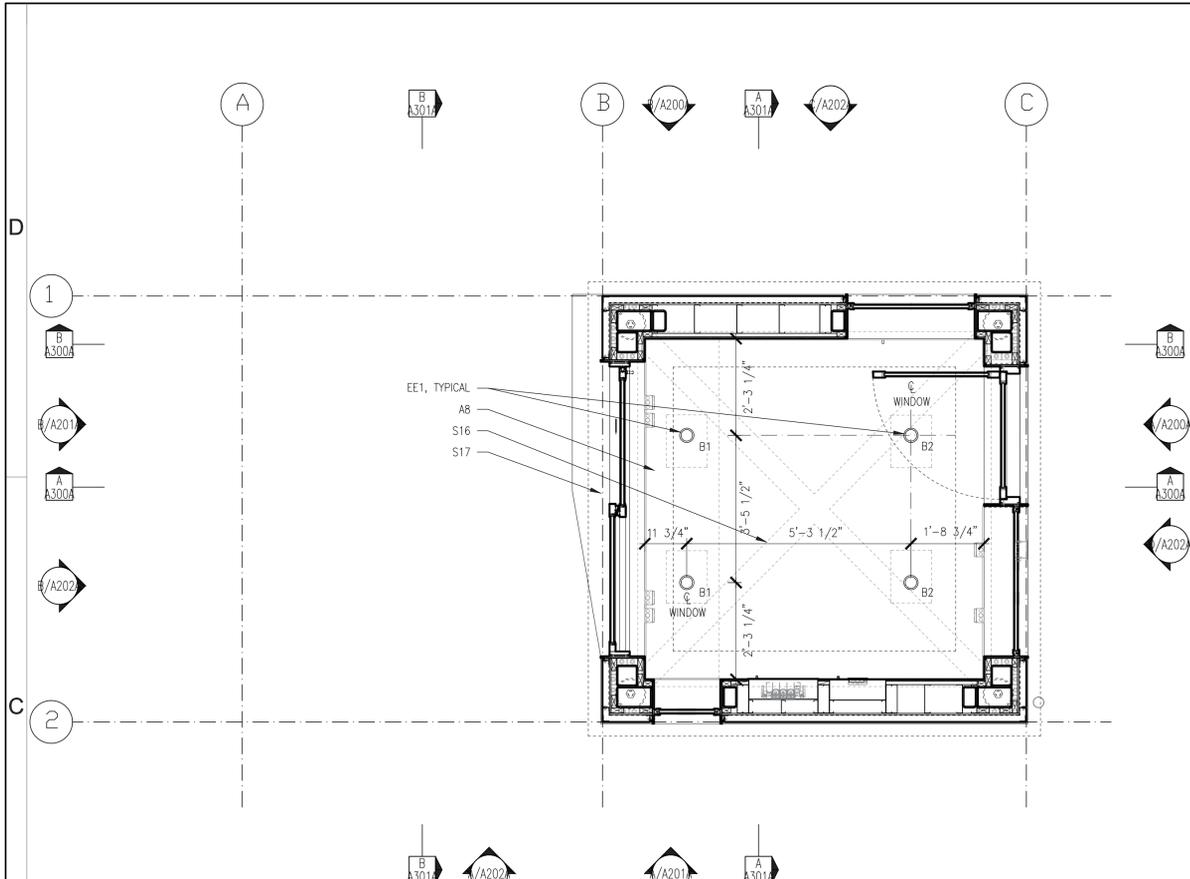
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Erie Canal Harbor Development Corporation
**Buffalo Outer Harbor Access & Activation
Civic Project, Phase 1B**
901 Fuhrmann Boulevard, Buffalo, New York 14203

DATE:	1/31/2018
PROJECT:	2016032
PHASE:	BID DOCUMENTS
DRAWN BY:	
CHECKED:	

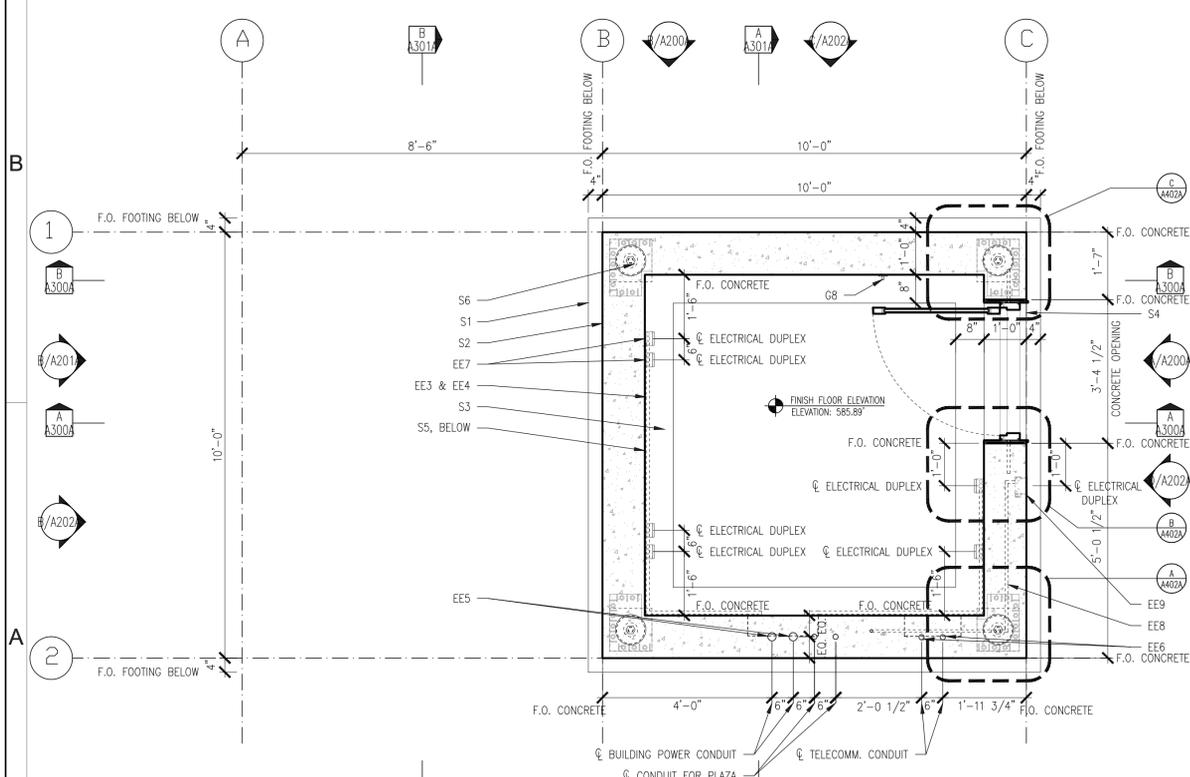
EXTERIOR PERSPECTIVES
- ADD ALTERNATE NO. 5

A023A

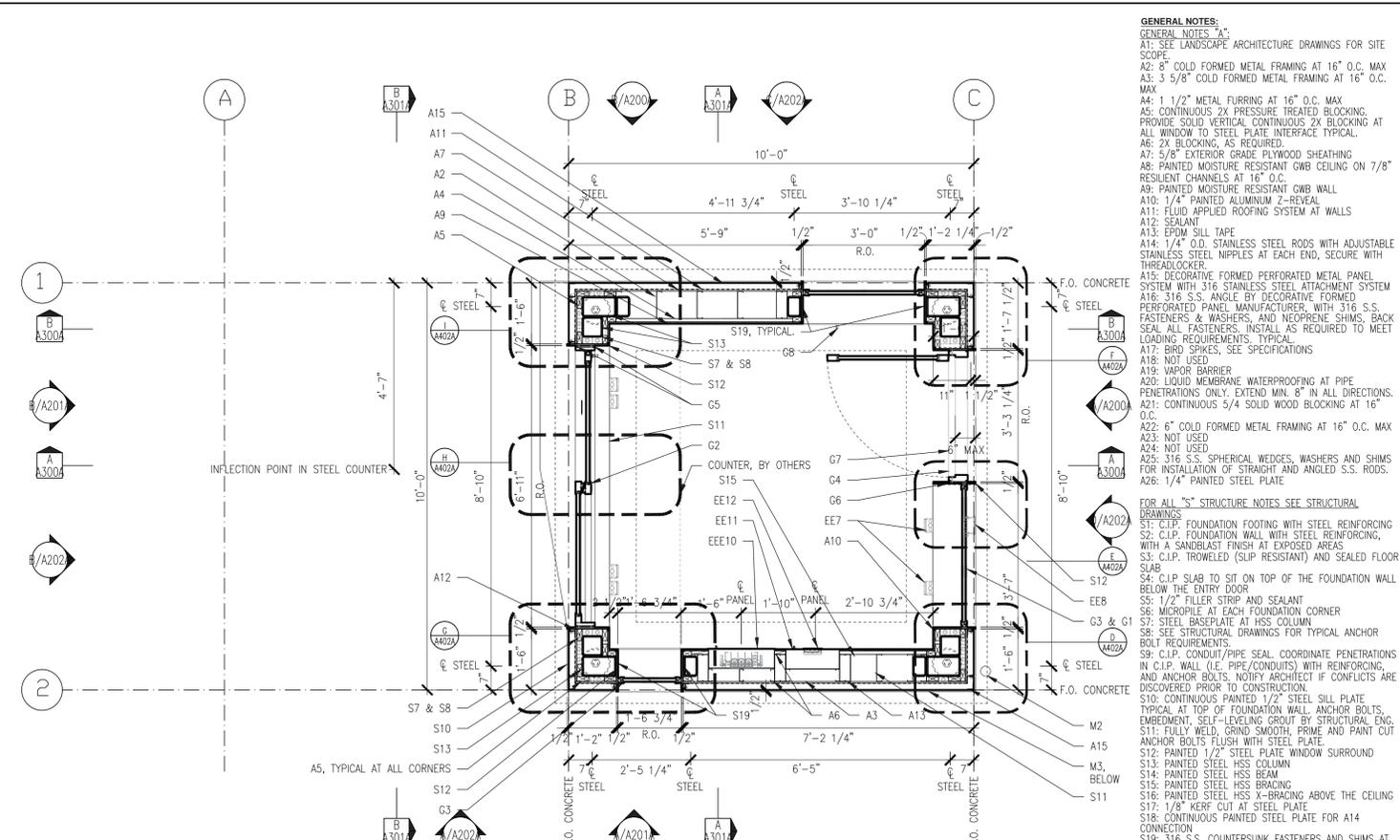


D: FIRST FLOOR REFLECTED CEILING PLAN
Scale 1/2" = 1'-0"

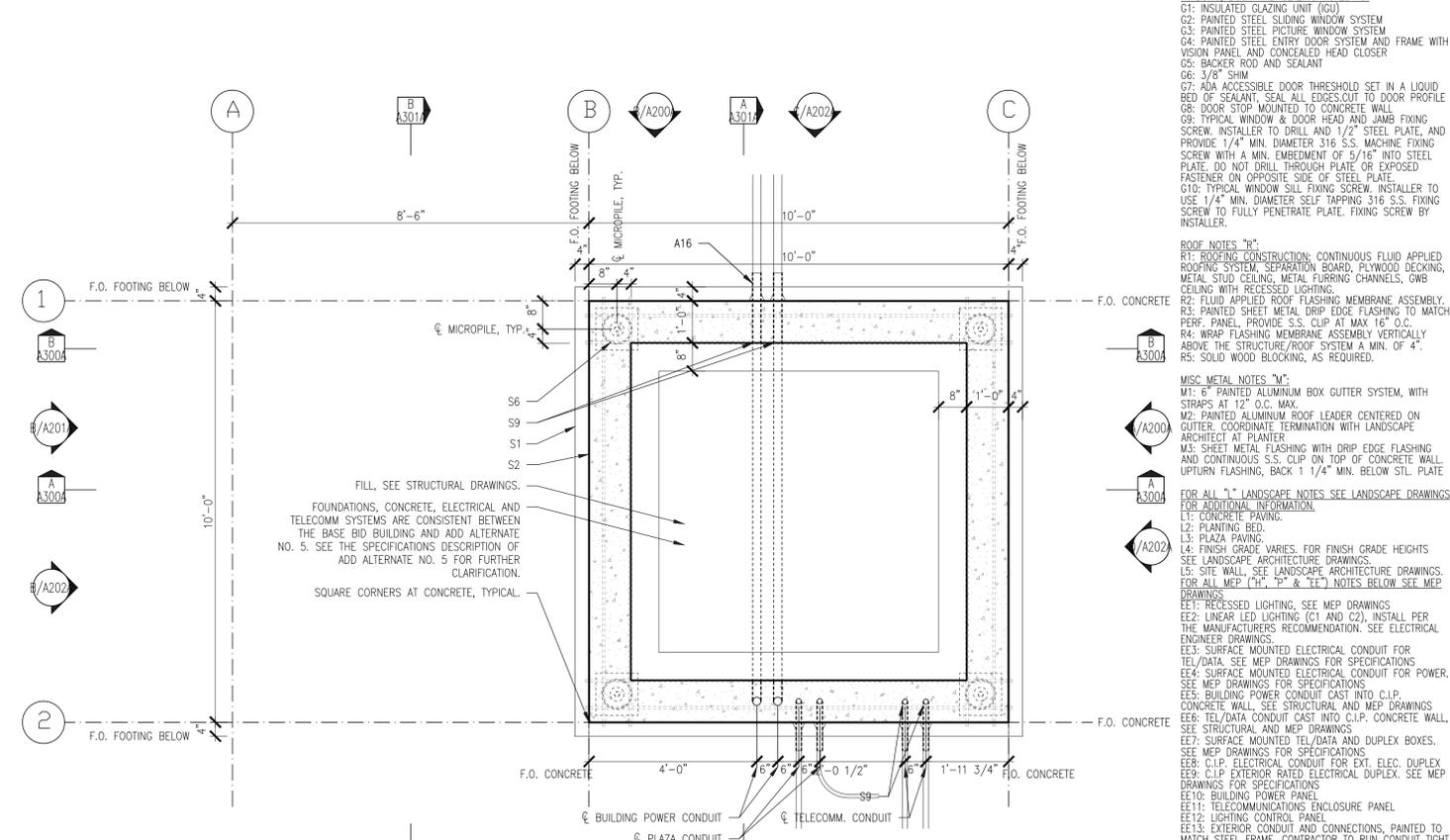
NOTE: CONTRACTOR TO VERIFY LOCATION OF ANY REQUIRED EQUIPMENT AND JUNCTION BOXES NOT LOCATED ON THE DRAWINGS



B: CONCRETE WALL PLAN
Scale 1/2" = 1'-0"



C: FIRST FLOOR PLAN
Scale 1/2" = 1'-0"



A: FOUNDATION PLAN
Scale 1/2" = 1'-0"

- GENERAL NOTES:**
- A1: SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR SITE SCOPE.
 - A2: 8" COLD FORMED METAL FRAMING AT 16" O.C. MAX.
 - A3: 5/8" COLD FORMED METAL FRAMING AT 16" O.C. MAX.
 - A4: 1 1/2" METAL FURRING AT 16" O.C. MAX.
 - A5: CONTINUOUS 2X PRESSURE TREATED BLOCKING. PROVIDE SOLID VERTICAL CONTINUOUS 2X BLOCKING AT ALL WINDOW TO STEEL PLATE INTERFACE TYPICAL.
 - A6: 2X BLOCKING, AS REQUIRED.
 - A7: 5/8" EXTERIOR GRADE PLYWOOD SHEATHING.
 - A8: PAINTED MOISTURE RESISTANT GWB CEILING ON 7/8" RESILIENT CHANNELS AT 16" O.C.
 - A9: PAINTED MOISTURE RESISTANT GWB WALL.
 - A10: 1/4" PAINTED ALUMINUM 2-REVEAL.
 - A11: FLUID APPLIED ROOFING SYSTEM AT WALLS.
 - A12: SEALANT.
 - A13: EPDM SILL TAPE.
 - A14: 1/4" O.D. STAINLESS STEEL RODS WITH ADJUSTABLE STAINLESS STEEL NIPPLES AT EACH END, SECURE WITH THREADLOCKER.
 - A15: DECORATIVE FORMED PERFORATED METAL PANEL SYSTEM WITH 316 STAINLESS STEEL ATTACHMENT SYSTEM.
 - A16: 316 S.S. ANGLE BY DECORATIVE FORMED PERFORATED PANEL MANUFACTURER, WITH 316 S.S. FASTENERS & WASHERS, AND NEOPRENE SHIMS, BACK SEAL ALL FASTENERS, INSTALL AS REQUIRED TO MEET LOAD REQUIREMENTS TYPICAL.
 - A17: BIRD SPIKES, SEE SPECIFICATIONS.
 - A18: NOT USED.
 - A19: VAPOR BARRIER.
 - A20: LIQUID MEMBRANE WATERPROOFING AT PIPE PENETRATIONS ONLY. EXTEND MIN. 8" IN ALL DIRECTIONS.
 - A21: CONTINUOUS 5/4 SOLID WOOD BLOCKING AT 16" O.C.
 - A22: 6" COLD FORMED METAL FRAMING AT 16" O.C. MAX.
 - A23: NOT USED.
 - A24: NOT USED.
 - A25: 316 S.S. SPHERICAL WEDGES, WASHERS AND SHIMS FOR INSTALLATION OF STRAIGHT AND ANGLED S.S. RODS.
 - A26: 1/4" PAINTED STEEL PLATE.
- FOR ALL "S" STRUCTURE NOTES SEE STRUCTURAL DRAWINGS**
- S1: C.I.P. FOUNDATION FOOTING WITH STEEL REINFORCING.
 - S2: MICROPILE AT EACH FOUNDATION CORNER WITH A SANDBLAST FINISH AT EXPOSED AREAS.
 - S3: C.I.P. TROWELED (SLIP RESISTANT) AND SEALED FLOOR SLAB.
 - S4: C.I.P. SLAB TO SIT ON TOP OF THE FOUNDATION WALL BELOW THE ENTRY DOOR.
 - S5: 1/2" FILLER STRIP AND SEALANT.
 - S6: MICROPILE AT EACH FOUNDATION CORNER.
 - S7: STEEL BASEPLATE AT HSS COLUMN.
 - S8: SEE STRUCTURAL DRAWINGS FOR TYPICAL ANCHOR REQUIREMENTS.
 - S9: C.I.P. CONDUIT/PIPE SEAL. COORDINATE PENETRATIONS IN C.I.P. WALL (I.E. PIPE/CONDUITS) WITH REINFORCING, AND ANCHOR BOLTS, NOTIFY ARCHITECT IF CONFLICTS ARE DISCOVERED PRIOR TO CONSTRUCTION.
 - S10: CONTINUOUS PAINTED 1/2" STEEL SILL PLATE TYPICAL AT TOP OF FOUNDATION WALL. ANCHOR BOLTS, EMBEDMENT, SELF-LEVELING GROUT BY STRUCTURAL ENG.
 - S11: FULLY WELD, GRIND SMOOTH, PRIME AND PAINT CUT ANCHOR BOLTS FLUSH WITH STEEL PLATE.
 - S12: PAINTED 1/2" STEEL PLATE WINDOW SURROUND.
 - S13: PAINTED STEEL HSS COLUMN.
 - S14: PAINTED STEEL HSS BEAM.
 - S15: PAINTED STEEL HSS BRACING.
 - S16: PAINTED STEEL HSS X-BRACING ABOVE THE CEILING.
 - S17: 1/8" KERF CUT AT STEEL PLATE.
 - S18: CONTINUOUS PAINTED STEEL PLATE FOR A14 CONNECTION.
 - S19: 316 S.S. COUNTERSUNK FASTENERS AND SHIMS AT STEEL PLATE WINDOW SURROUNDS, AS REQUIRED PER STRUCTURAL ENGINEER.
 - S20: 1/2" PAINTED STEEL PLATE, FOR S.S. RODS CONNECTION.
- WINDOWS, DOOR AND GLAZING NOTES "G":**
- G1: INSULATED GLAZING UNIT (IGU)
 - G2: PAINTED STEEL SLIDING WINDOW SYSTEM
 - G3: PAINTED STEEL PICTURE WINDOW SYSTEM
 - G4: PAINTED STEEL ENTRY DOOR SYSTEM AND FRAME WITH VISION PANEL AND CONCEALED HEAD CLOSER
 - G5: BACKER ROD AND SEALANT
 - G6: 3/8" SHIM
 - G7: ADA ACCESSIBLE DOOR THRESHOLD SET IN A LIQUID BED OF SEALANT. SEAL ALL EDGES OUT TO DOOR PROFILE.
 - G8: DOOR STOP MOUNTED TO CONCRETE WALL.
 - G9: TYPICAL WINDOW & DOOR HEAD AND JAMB FIXING SCREW. INSTALLER TO DRILL AND 1/2" STEEL PLATE, AND PROVIDE 1/4" MIN. DIAMETER 316 S.S. MACHINE FIXING SCREW WITH A MIN. EMBEDMENT OF 5/16" INTO STEEL PLATE. DO NOT DRILL THROUGH PLATE OR EXPOSED FASTENER ON OPPOSITE SIDE OF STEEL PLATE.
 - G10: TYPICAL WINDOW SILL FIXING SCREW. INSTALLER TO USE 1/4" MIN. DIAMETER SELF TAPPING 316 S.S. FIXING SCREW TO FULLY PENETRATE PLATE. FIXING SCREW BY INSTALLER.
- ROOF NOTES "R":**
- R1: ROOFING CONSTRUCTION: CONTINUOUS FLUID APPLIED ROOFING SYSTEM, SEPARATION BOARD, PLYWOOD DECKING, METAL STUD CEILING, METAL FURRING CHANNELS, GWB CEILING WITH RECESSED LIGHTING.
 - R2: FLUID APPLIED ROOF FLASHING MEMBRANE ASSEMBLY, SEE STRUCTURAL DRAWINGS FOR DETAILS.
 - R3: PAINTED SHEET METAL DRIP EDGE FLASHING TO MATCH PERF. PANEL, PROVIDE S.S. CLIP AT MAX 16" O.C.
 - R4: WRAP FLASHING MEMBRANE ASSEMBLY VERTICALLY ABOVE THE STRUCTURE/ROOF SYSTEM A MIN. OF 4".
 - R5: SOLID WOOD BLOCKING, AS REQUIRED.
- MISC METAL NOTES "M":**
- M1: 6" PAINTED ALUMINUM BOX GUTTER SYSTEM, WITH STRAPS AT 12" O.C. MAX.
 - M2: PAINTED ALUMINUM ROOF LEADER CENTERED ON GUTTER. COORDINATE TERMINATION WITH LANDSCAPE ARCHITECT AT PLANTER.
 - M3: SHEET METAL FLASHING WITH DRIP EDGE FLASHING AND CONTINUOUS S.S. CLIP ON TOP OF CONCRETE WALL. UPTURN FLASHING, BACK 1 1/4" MIN. BELOW STL. PLATE.
- FOR ALL "L" LANDSCAPE NOTES SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION**
- L1: CONCRETE PAVING.
 - L2: PLANTING BED.
 - L3: PLAZA PAVING.
 - L4: FINISH GRADE VARIES. FOR FINISH GRADE HEIGHTS SEE LANDSCAPE ARCHITECTURE DRAWINGS.
 - L5: SITE WALL. SEE LANDSCAPE ARCHITECTURE DRAWINGS. FOR ALL MEP ("H", "P" & "E") NOTES BELOW SEE MEP DRAWINGS.
 - E1: RECESSED LIGHTING. SEE MEP DRAWINGS.
 - E2: LINEAR LED LIGHTING (C1 AND C2), INSTALL PER THE MANUFACTURERS RECOMMENDATION. SEE ELECTRICAL ENGINEER DRAWINGS.
 - E3: SURFACE MOUNTED ELECTRICAL CONDUIT FOR TEL/DATA. SEE MEP DRAWINGS FOR SPECIFICATIONS.
 - E4: SURFACE MOUNTED ELECTRICAL CONDUIT FOR POWER. SEE MEP DRAWINGS FOR SPECIFICATIONS.
 - E5: BUILDING POWER CONDUIT CAST INTO C.I.P. CONCRETE WALL. SEE STRUCTURAL AND MEP DRAWINGS.
 - E6: TEL/DATA CONDUIT CAST INTO C.I.P. CONCRETE WALL. SEE STRUCTURAL AND MEP DRAWINGS.
 - E7: SURFACE MOUNTED TEL/DATA AND DUPLEX BOXES. SEE MEP DRAWINGS FOR SPECIFICATIONS.
 - E8: C.I.P. ELECTRICAL CONDUIT FOR EXT. ELEC. DUPLEX.
 - E9: C.I.P. EXTERIOR RATED ELECTRICAL DUPLEX. SEE MEP DRAWINGS FOR SPECIFICATIONS.
 - E10: BUILDING POWER PANEL.
 - E11: TELECOMMUNICATIONS ENCLOSURE PANEL.
 - E12: LIGHTING CONTROL PANEL.
 - E13: EXTERIOR CONDUIT AND CONNECTIONS, PAINTED TO MATCH STEEL FRAME. CONTRACTOR TO RUN CONDUIT TIGHT TO FACE OF HSS AND CONCEAL ROUTING AS PER ARCHITECTURAL AND ELECTRICAL DRAWINGS.
 - E14: CONDUIT "SWAN NECK", FLASH WITH ROOF SYSTEM AS PER THE MANUFACTURERS RECOMMENDATIONS.
 - E15: EXTERIOR CONTROL BOX, AS PER ELECTRICAL DRAWINGS, FASTEN TO STEEL WITH 316 S.S. FASTENERS AND NEOPRENE SHIMS AS PER THE MANUFACTURERS

TROWBRIDGE WOLF MICHAELS

TWA
LANDSCAPE ARCHITECTS

101 W. Seneca St., Ste. 101 Buffalo, NY 14202
607-277-1400 Fax 607-277-6002

Architect:
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151 Pearl Street, 2nd Floor
Boston, MA 02110
Tel: (617) 526-0884

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Erie Canal Harbor Development Corporation
Buffalo Outer Harbor Access & Activation
Civic Project, Phase 1B
901 Fuhrmann Boulevard, Buffalo, New York 14203

DATE:	1/31/2018
PROJECT:	2016032
PHASE:	BID DOCUMENTS
DRAWN BY:	
CHECKED:	

FLOOR PLANS - ADD
ALTERNATE NO. 5

A100A

Architect:
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 151 Pearl Street, 2nd Floor
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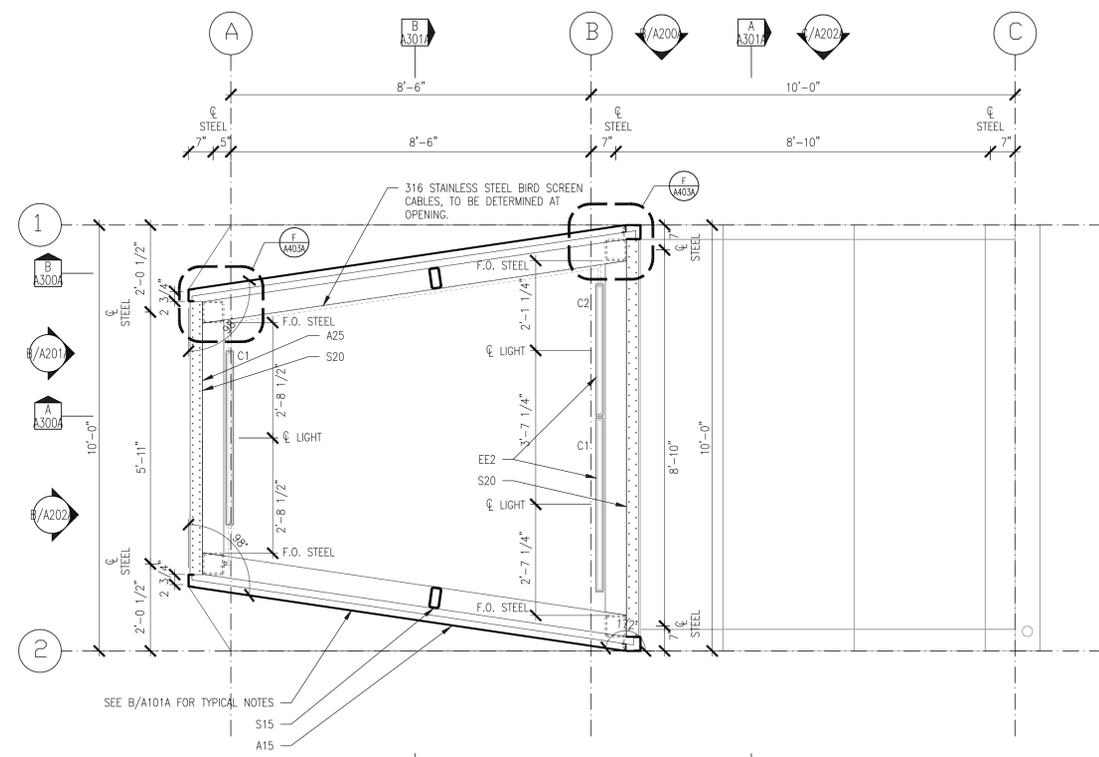
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 901 Fuhrmann Boulevard, Buffalo, New York 14203

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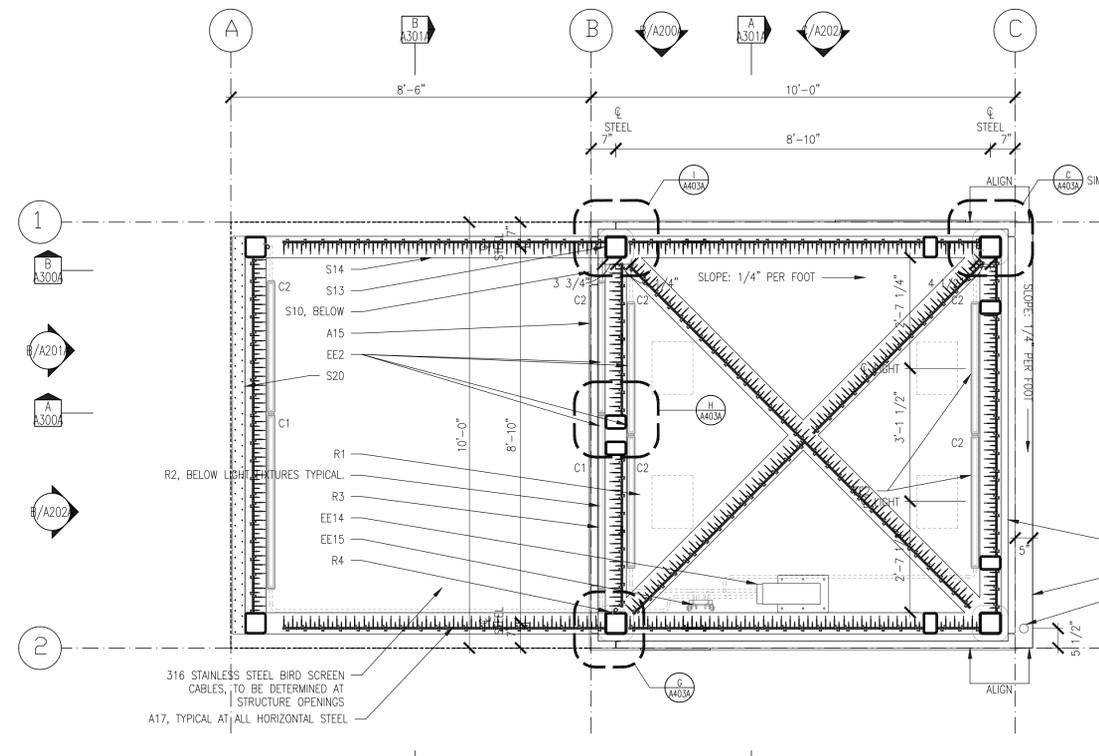
FLOOR PLANS - ADD
 ALTERNATE NO. 5

A101A

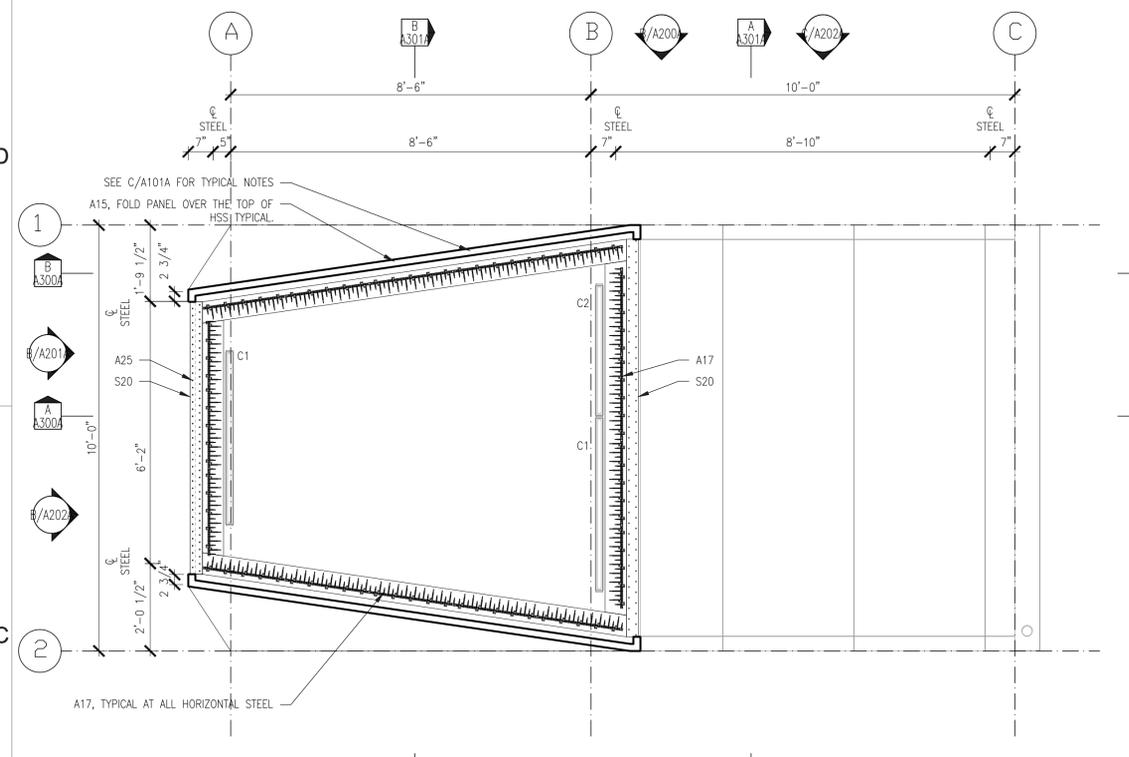
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 - S10: CONTINUOUS PAINTED 1/2" STEEL SILL PLATE TYPICAL AT TOP OF FOUNDATION WALL, ANCHOR BOLTS, EMBEDMENT, SELF-LEVELING GROUT BY STRUCTURAL ENG.
 - S11: FULLY WELD, GRIND SMOOTH, PRIME AND PAINT CUT ANCHOR BOLTS FLUSH WITH STEEL PLATE.
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 - G9: TYPICAL WINDOW & DOOR HEAD AND JAMB FIXING SCREW, INSTALLER TO DRILL AND 1/2" STEEL PLATE, AND PROVIDE 1/4" MIN. DIAMETER 316 S.S. MACHINE FIXING SCREW WITH A MIN. EMBEDMENT OF 5/16" INTO STEEL PLATE. DO NOT DRILL THROUGH PLATE OR EXPOSED FASTENER ON OPPOSITE SIDE OF STEEL PLATE.
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- ROOF NOTES "R":**
- R1: ROOFING CONSTRUCTION: CONTINUOUS FLUID APPLIED ROOFING SYSTEM, SEPARATION BOARD, PLYWOOD DECKING, METAL STUD CEILING, METAL FURRING CHANNELS, GWB CEILING WITH RECESSED LIGHTING.
 - R2: FLUID APPLIED ROOF FLASHING MEMBRANE ASSEMBLY.
 - R3: PAINTED SHEET METAL DRIP EDGE FLASHING TO MATCH PERF. PANEL, PROVIDE S.S. CLIP AT MAX 16" O.C.
 - R4: WRAP FLASHING MEMBRANE ASSEMBLY VERTICALLY ABOVE THE STRUCTURE/ROOF SYSTEM A MIN. OF 4".
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 - M2: PAINTED ALUMINUM ROOF LEADER CENTERED ON GUTTER, COORDINATE TERMINATION WITH LANDSCAPE ARCHITECT AT PLANTER.
 - M3: SHEET METAL FLASHING WITH DRIP EDGE FLASHING AND CONTINUOUS S.S. CLIP ON TOP OF CONCRETE WALL UPTURN FLASHING, BACK 1 1/4" MIN. BELOW STL. PLATE.
- FOR ALL "L" LANDSCAPE NOTES SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
- L1: CONCRETE PAVING.
 - L2: PLANTING BED.
 - L3: PLAZA PAVING.
 - L4: FINISH GRADE VARIES, FOR FINISH GRADE HEIGHTS SEE LANDSCAPE ARCHITECTURE DRAWINGS.
 - L5: SITE WALL, SEE LANDSCAPE ARCHITECTURE DRAWINGS. FOR ALL MEP ("HP", "P" & "E") NOTES BELOW SEE MEP DRAWINGS.
 - E1: RECESSED LIGHTING, SEE MEP DRAWINGS.
 - E2: LINEAR LED LIGHTING (C1 AND C2), INSTALL PER THE MANUFACTURERS RECOMMENDATION. SEE ELECTRICAL ENGINEER DRAWINGS.
 - E3: SURFACE MOUNTED ELECTRICAL CONDUIT FOR TEL/DATA. SEE MEP DRAWINGS FOR SPECIFICATIONS.
 - E4: SURFACE MOUNTED ELECTRICAL CONDUIT FOR POWER. SEE MEP DRAWINGS FOR SPECIFICATIONS.
 - E5: BUILDING POWER CONDUIT CAST INTO C.I.P. CONCRETE WALL, SEE STRUCTURAL AND MEP DRAWINGS.
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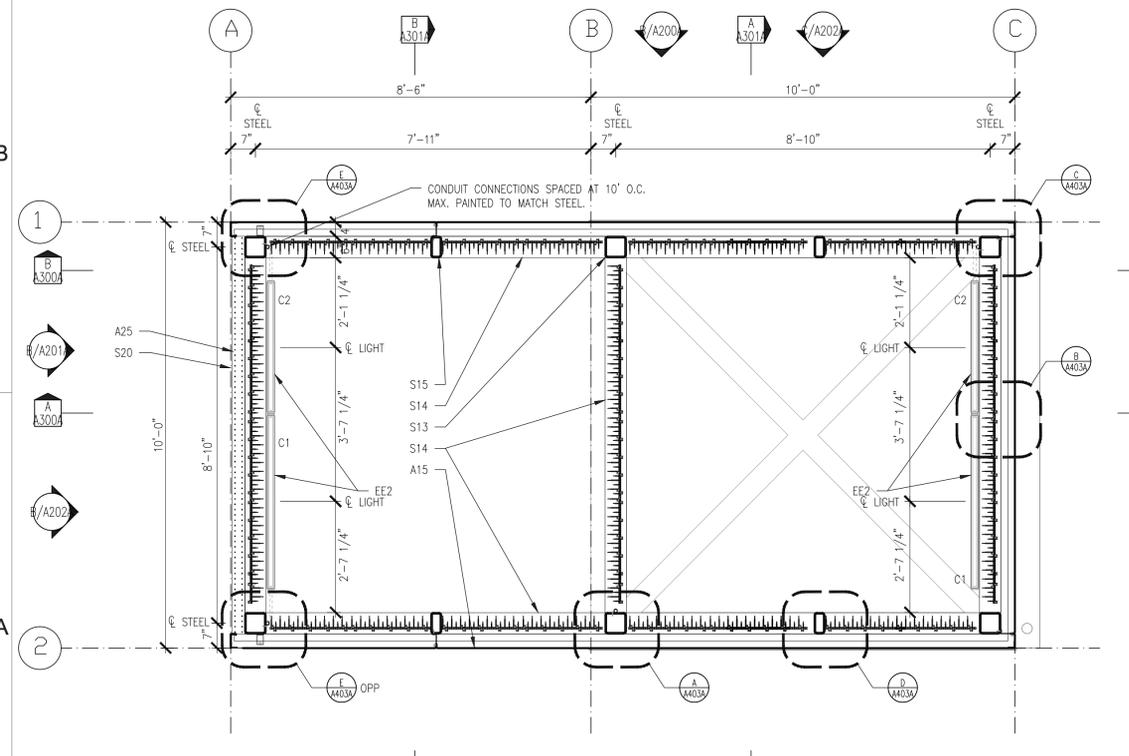
C: HIGH ROOF PLAN
 Scale 1/2" = 1'-0"



A: ROOF PLAN
 Scale 1/2" = 1'-0"



D: ROOF PLAN
 Scale 1/2" = 1'-0"



B: HIGH PLAN
 Scale 1/2" = 1'-0"

Architect:
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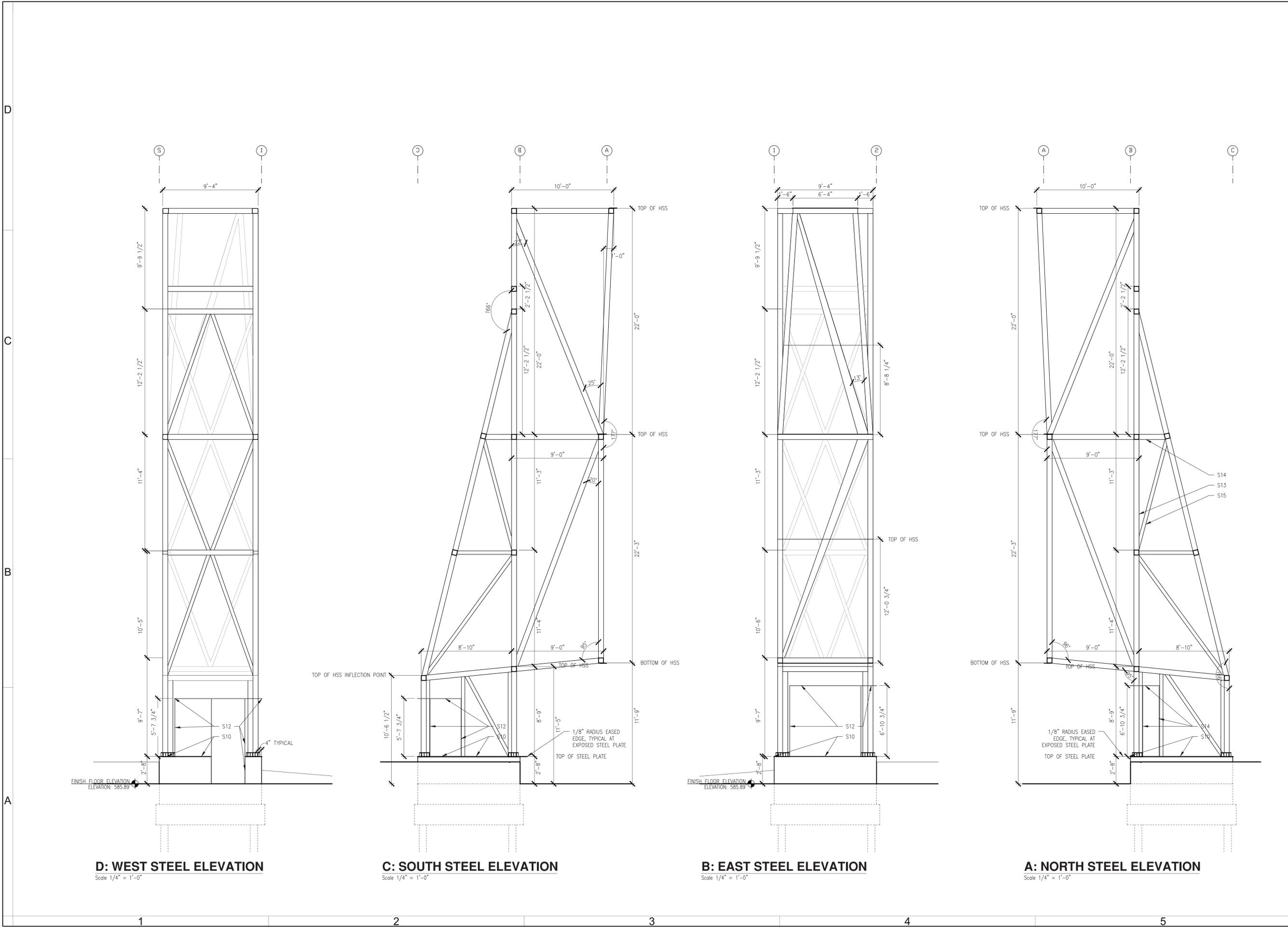
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BUILDING STEEL
ELEVATIONS - ADD
ALTERNATE NO. 5

A202A





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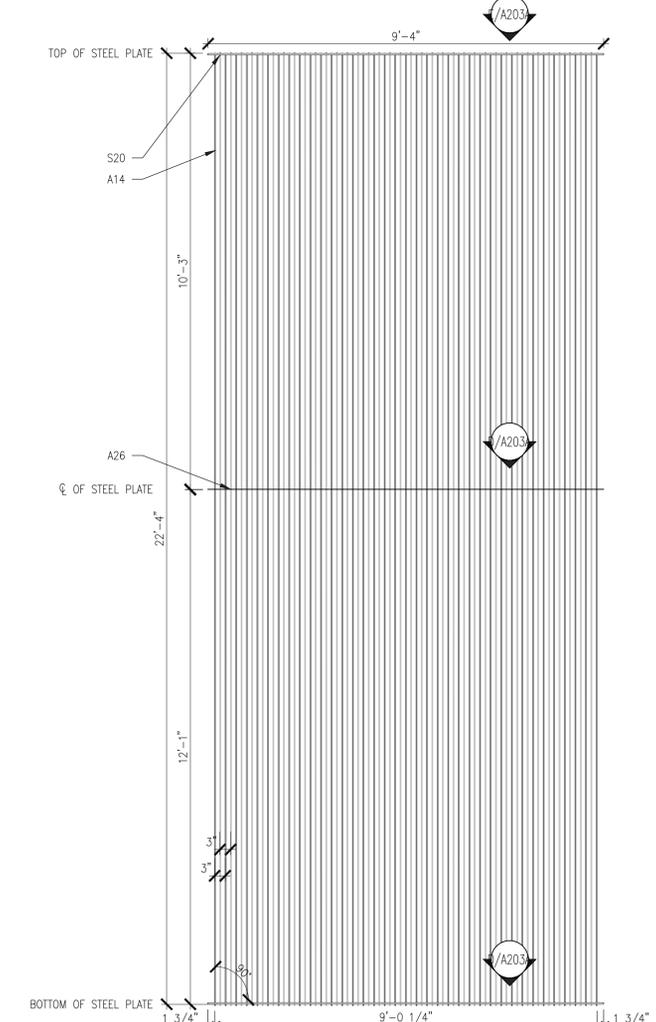
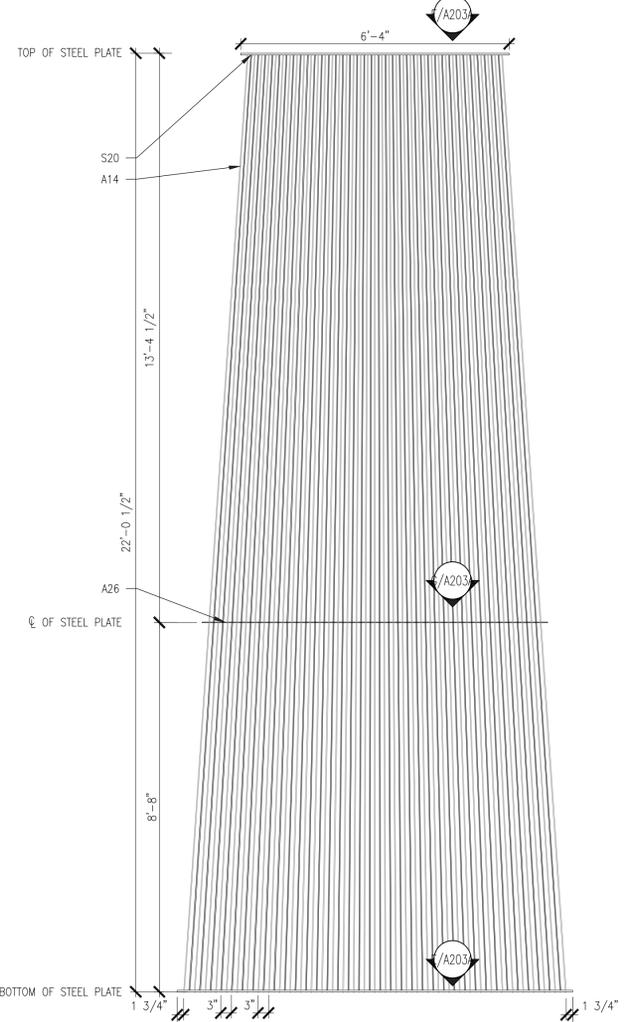
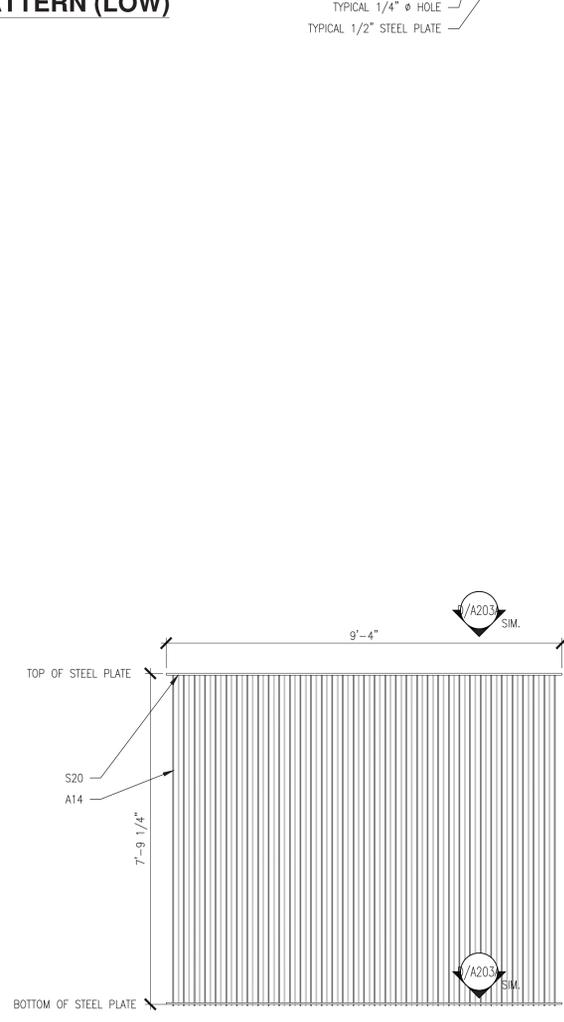
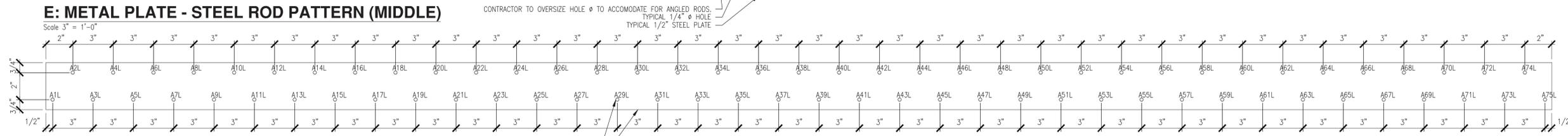
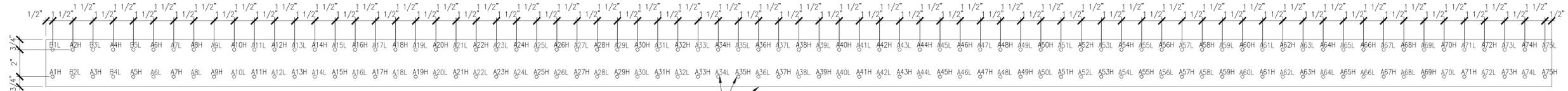
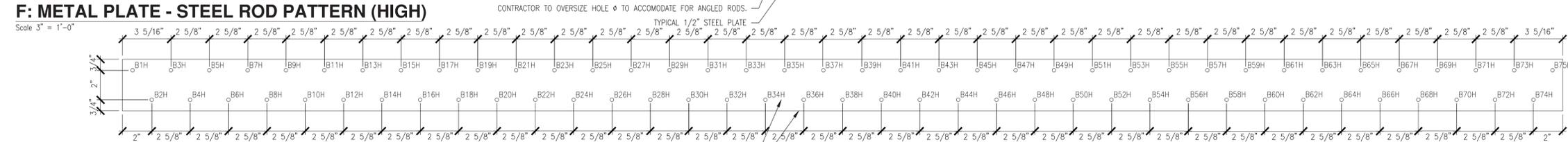
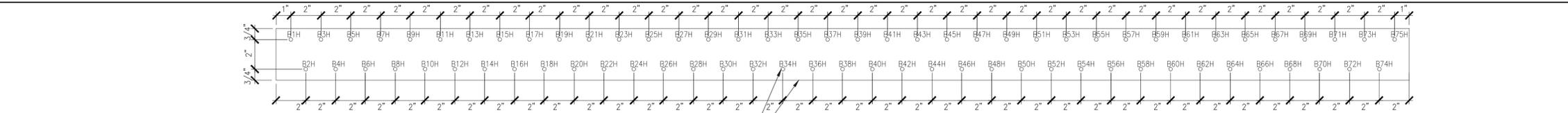
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Erie Canal Harbor Development Corporation
Buffalo Outer Harbor Access & Activation
Civic Project, Phase 1B
 901 Fuhrmann Boulevard, Buffalo, New York 14203

DATE:	1/31/2018
PROJECT:	2016032
PHASE:	BID DOCUMENTS
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CHECKED:	

BUILDING MESH PANEL
ELEVATIONS - ADD
ALTERNATE NO. 5

A203A



C: WEST METAL MESH PANEL
Scale 1/2" = 1'-0"

B: EAST METAL MESH PANEL (HIGH)
Scale 1/2" = 1'-0"

A: EAST METAL MESH PANEL (LOW)
Scale 1/2" = 1'-0"

1

2

3

4

5

Architect:
**Touloukian
Touloukian Inc.**
151 Pearl Street, 2nd Floor
Boston, MA 02110
Tel: (617) 526-0884



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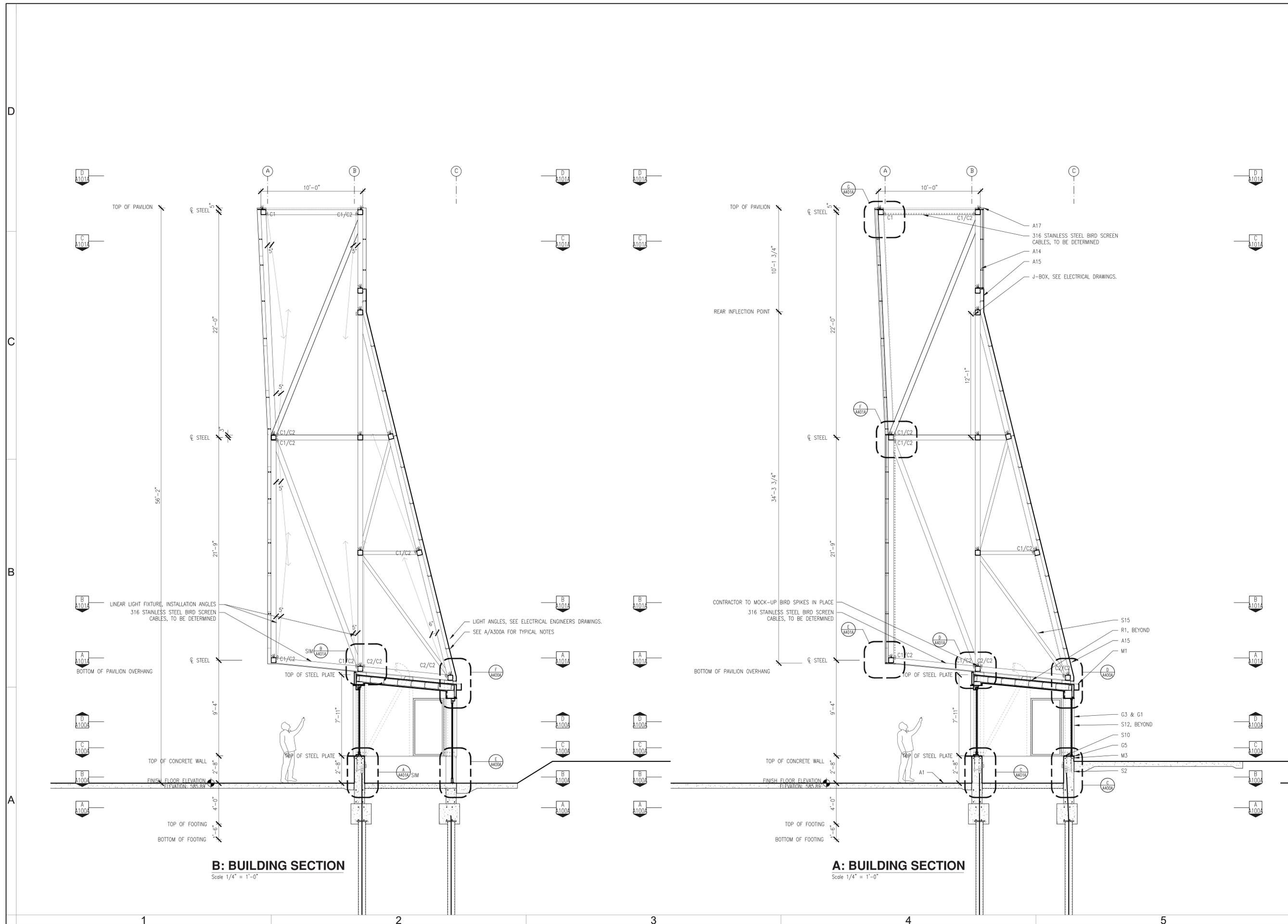
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Erie Canal Harbor Development Corporation
**Buffalo Outer Harbor Access &
Activation Civic Project, Phase 1B**
901 Fuhrmann Boulevard, Buffalo, New York 14203

DATE: 1/31/2018
PROJECT: 2016032
PHASE: BID DOCUMENTS
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CHECKED:

BUILDING SECTIONS
- ADD ALTERNATE NO. 5

A300A



B: BUILDING SECTION
Scale 1/4" = 1'-0"

A: BUILDING SECTION
Scale 1/4" = 1'-0"

Architect:
**Touloukian
Touloukian Inc.**
151 Pearl Street, 2nd Floor
Boston, MA 02110
Tel: (617) 526-0884



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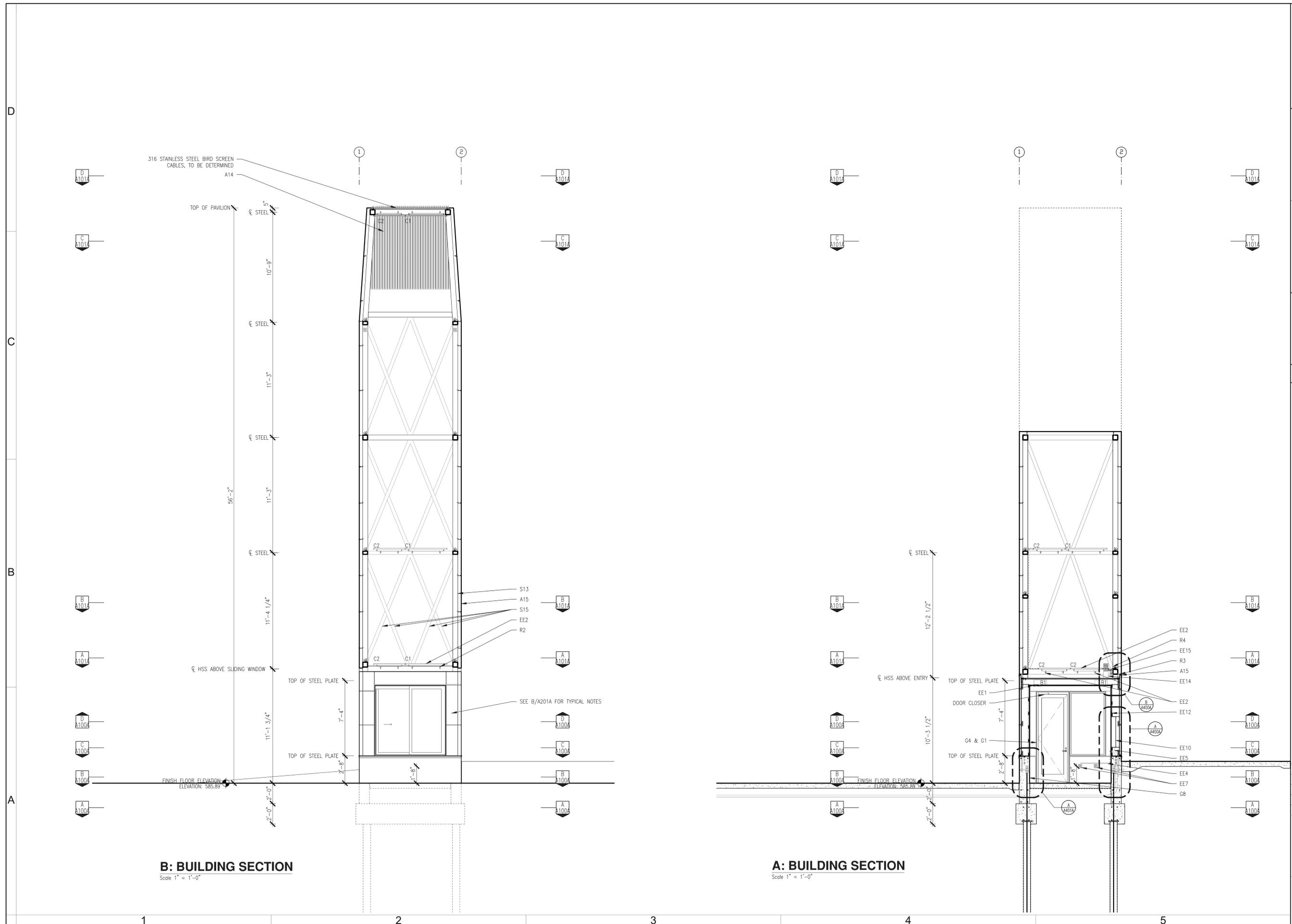
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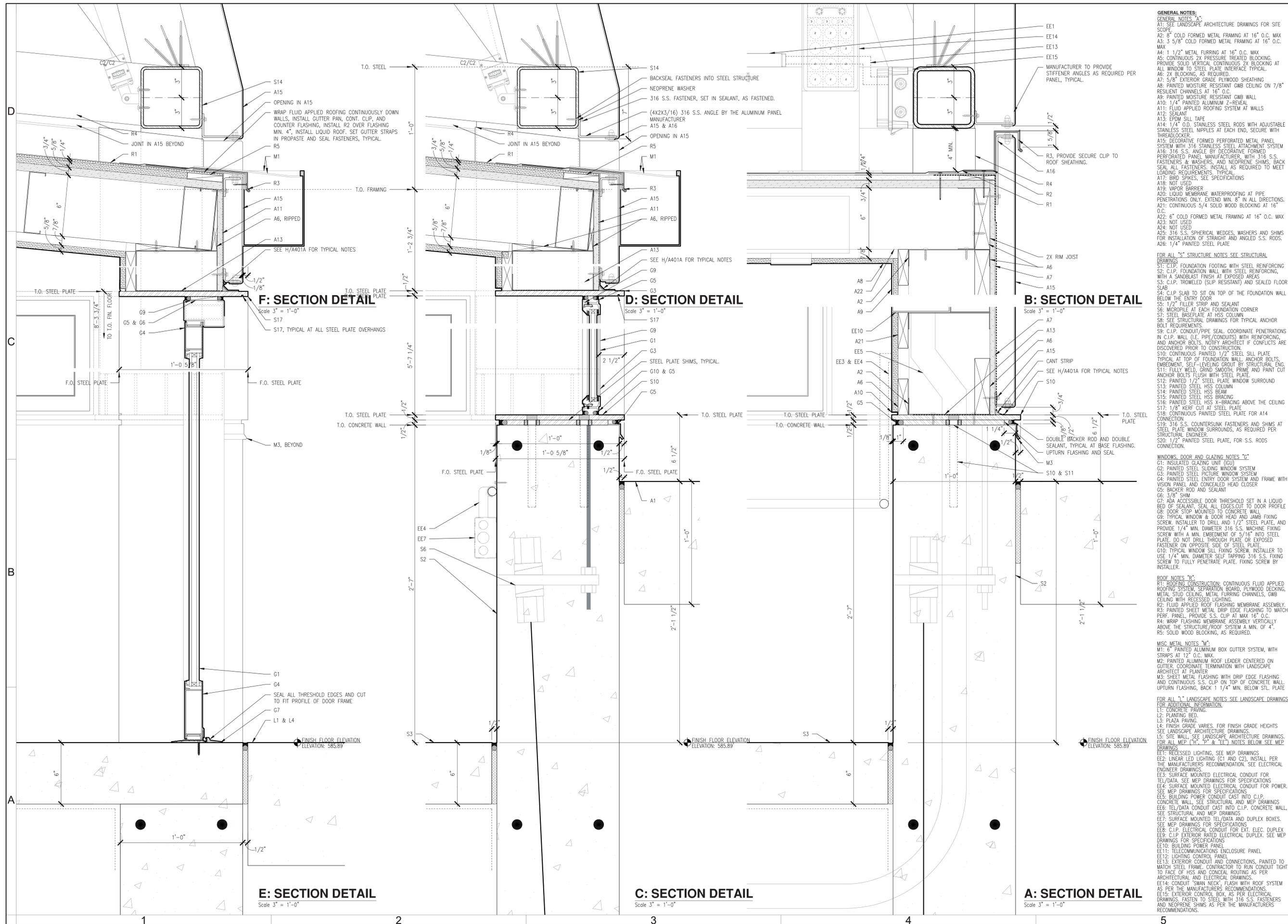
Eric Canal Harbor Development Corporation
**Buffalo Outer Harbor Access & Activation
Civic Project, Phase 1B**
901 Fuhrmann Boulevard, Buffalo, New York 14203

DATE: 1/31/2018
PROJECT: 2016032
PHASE: BID DOCUMENTS
DRAWN BY:
CHECKED:

BUILDING SECTIONS
- ADD ALTERNATE NO. 5

A301A





GENERAL NOTES:
 A1: SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR SITE SCOPE.
 A2: 8" COLD FORMED METAL FRAMING AT 16" O.C. MAX.
 A3: 3 5/8" COLD FORMED METAL FRAMING AT 16" O.C. MAX.
 A4: 1 1/2" METAL FURRING AT 16" O.C. MAX.
 A5: CONTINUOUS 2X PRESSURE TREATED BLOCKING.
 A6: PROVIDE SOLID VERTICAL CONTINUOUS 2X BLOCKING AT ALL WINDOW TO STEEL PLATE INTERFACE TYPICAL.
 A7: 2X BLOCKING, AS REQUIRED.
 A8: 5/8" EXTERIOR GRADE PLYWOOD SHEATHING.
 A9: PAINTED MOISTURE RESISTANT GWB CEILING ON 7/8" RESILIENT CHANNELS AT 16" O.C.
 A10: PAINTED MOISTURE RESISTANT GWB WALL.
 A11: FLUID APPLIED ROOFING SYSTEM AT WALLS.
 A12: SEALANT.
 A13: EPDM SILL TAPE.
 A14: 1/4" O.D. STAINLESS STEEL RODS WITH ADJUSTABLE STAINLESS STEEL NIPPLES AT EACH END, SECURE WITH THREADLOCKER.
 A15: DECORATIVE FORMED PERFORATED METAL PANEL SYSTEM WITH 316 STAINLESS STEEL ATTACHMENT SYSTEM A16: 316 S.S. ANGLE BY DECORATIVE FORMED PERFORATED PANEL MANUFACTURER, WITH 316 S.S. FASTENERS & WASHERS, AND NEOPRENE SHIMS, BACK SEAL ALL FASTENERS, INSTALL AS REQUIRED TO MEET LOADING REQUIREMENTS TYPICAL.
 A17: BIRD SPIKES, SEE SPECIFICATIONS.
 A18: NOT USED.
 A19: VAPOR BARRIER.
 A20: LIQUID MEMBRANE WATERPROOFING AT PIPE PENETRATIONS ONLY, EXTEND MIN. 8" IN ALL DIRECTIONS.
 A21: CONTINUOUS 5/4 SOLID WOOD BLOCKING AT 16" O.C.
 A22: 6" COLD FORMED METAL FRAMING AT 16" O.C. MAX.
 A23: NOT USED.
 A24: NOT USED.
 A25: 316 S.S. SPHERICAL WEDGES, WASHERS AND SHIMS FOR INSTALLATION OF STRAIGHT AND ANGLED S.S. RODS.
 A26: 1/4" PAINTED STEEL PLATE.

FOR ALL "S" STRUCTURE NOTES SEE STRUCTURAL DRAWINGS
 S1: C.I.P. FOUNDATION FOOTING WITH STEEL REINFORCING.
 S2: C.I.P. FOUNDATION WALL WITH STEEL REINFORCING, WITH A SANDBLAST FINISH AT EXPOSED AREAS.
 S3: C.I.P. TROWELED (SLIP RESISTANT) AND SEALED FLOOR SLAB.
 S4: C.I.P. SLAB TO SIT ON TOP OF THE FOUNDATION WALL BELOW THE ENTRY DOOR.
 S5: 1/2" FILLER STRIP AND SEALANT.
 S6: MICROPILE AT EACH STRUCTURAL CORNER.
 S7: STEEL BASEPLATE AT HSS COLUMN.
 S8: SEE STRUCTURAL DRAWINGS FOR TYPICAL ANCHOR BOLT REQUIREMENTS.
 S9: C.I.P. CONDUIT/PIPE SEAL, COORDINATE PENETRATIONS IN C.I.P. WALL (I.E. PIPE/CONDUITS) WITH REINFORCING, AND ANCHOR BOLTS, NOTIFY ARCHITECT IF CONFLICTS ARE DISCOVERED PRIOR TO CONSTRUCTION.
 S10: CONTINUOUS PAINTED 1/2" STEEL SILL PLATE TYPICAL AT TOP OF FOUNDATION WALL, ANCHOR BOLTS, EMBEDMENT, SELF-LEVELING GROUT BY STRUCTURAL ENG.
 S11: FULLY WELD, GRIND SMOOTH, PRIME AND PAINT CUT ANCHOR BOLTS FLUSH WITH STEEL PLATE.
 S12: PAINTED 1/2" STEEL PLATE WINDOW SURROUND.
 S13: PAINTED STEEL HSS COLUMN.
 S14: PAINTED STEEL HSS BEAM.
 S15: PAINTED STEEL HSS BRACING.
 S16: PAINTED STEEL HSS X-BRACING ABOVE THE CEILING.
 S17: 1/8" KERF CUT AT STEEL PLATE.
 S18: CONTINUOUS PAINTED STEEL PLATE FOR A14 CONNECTION.
 S19: 316 S.S. COUNTERSUNK FASTENERS AND SHIMS AT STEEL PLATE WINDOW SURROUNDS, AS REQUIRED PER STRUCTURAL ENGINEER.
 S20: 1/2" PAINTED STEEL PLATE, FOR S.S. RODS CONNECTION.

WINDOWS, DOOR AND GLAZING NOTES "G":
 G1: INSULATED GLAZING UNIT (IGU).
 G2: PAINTED STEEL SLIDING WINDOW SYSTEM.
 G3: PAINTED STEEL PICTURE WINDOW SYSTEM.
 G4: PAINTED STEEL ENTRY DOOR SYSTEM AND FRAME WITH VISION PANEL AND CONCEALED HEAD CLOSER.
 G5: BACKER ROD AND SEALANT.
 G6: 3/8" SHIM.
 G7: ADA ACCESSIBLE DOOR THRESHOLD SET IN A LIQUID BED OF SEALANT, SEAL ALL EDGES OUT TO DOOR PROFILE.
 G8: DOOR STOP MOUNTED TO CONCRETE WALL.
 G9: TYPICAL WINDOW & DOOR HEAD AND JAMB FIXING SCREW, INSTALLER TO DRILL AND 1/2" STEEL PLATE, AND PROVIDE 1/4" MIN. DIAMETER 316 S.S. MACHINE FIXING SCREW WITH A MIN. EMBEDMENT OF 5/16" INTO STEEL PLATE. DO NOT DRILL THROUGH PLATE OR EXPOSED FASTENER ON OPPOSITE SIDE OF STEEL PLATE.
 G10: TYPICAL WINDOW SILL FIXING SCREW, INSTALLER TO USE 1/4" MIN. DIAMETER SELF TAPPING 316 S.S. FIXING SCREW TO FULLY PENETRATE PLATE, FIXING SCREW BY INSTALLER.

ROOF NOTES "R":
 R1: ROOFING CONSTRUCTION: CONTINUOUS FLUID APPLIED ROOFING SYSTEM, SEPARATION BOARD, PLYWOOD DECKING, METAL STUD CEILING, METAL FURRING CHANNELS, GWB CEILING WITH RECESSED LIGHTING.
 R2: FLUID APPLIED ROOF FLASHING MEMBRANE ASSEMBLY.
 R3: PAINTED SHEET METAL DRIP EDGE FLASHING TO MATCH PERF. PANEL, PROVIDE S.S. CLIP AT MAX 16" O.C.
 R4: WRAP FLASHING MEMBRANE ASSEMBLY VERTICALLY ABOVE THE STRUCTURE/ROOF SYSTEM A MIN. OF 4".
 R5: SOLID WOOD BLOCKING, AS REQUIRED.

MISC METAL NOTES "M":
 M1: 6" PAINTED ALUMINUM BOX GUTTER SYSTEM, WITH STRAPS AT 12" O.C. MAX.
 M2: PAINTED ALUMINUM ROOF LEADER CENTERED ON GUTTER, COORDINATE TERMINATION WITH LANDSCAPE ARCHITECT AT PLANTER.
 M3: SHEET METAL FLASHING WITH DRIP EDGE FLASHING AND CONTINUOUS S.S. CLIP ON TOP OF CONCRETE WALL UPTURN FLASHING, BACK 1 1/4" MIN. BELOW STL. PLATE.

FOR ALL "L" LANDSCAPE NOTES SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
 L1: CONCRETE PAVING.
 L2: PLANTING BED.
 L3: PLAZA PAVING.
 L4: FINISH GRADE VARIES, FOR FINISH GRADE HEIGHTS SEE LANDSCAPE ARCHITECTURE DRAWINGS.
 L5: SITE WALL, SEE LANDSCAPE ARCHITECTURE DRAWINGS.
 L6: SEE ALL MEP ("M", "P" & "E") NOTES BELOW SEE MEP DRAWINGS.
 E1: RECESSED LIGHTING, SEE MEP DRAWINGS.
 E2: LINEAR LED LIGHTING (C1 AND C2), INSTALL PER THE MANUFACTURERS RECOMMENDATION. SEE ELECTRICAL ENGINEER DRAWINGS.
 E3: SURFACE MOUNTED ELECTRICAL CONDUIT FOR TEL/DATA, SEE MEP DRAWINGS FOR SPECIFICATIONS.
 E4: SURFACE MOUNTED ELECTRICAL CONDUIT FOR POWER, SEE MEP DRAWINGS FOR SPECIFICATIONS.
 E5: BUILDING POWER CONDUIT CAST INTO C.I.P. CONCRETE WALL, SEE STRUCTURAL AND MEP DRAWINGS.
 E6: TEL/DATA CONDUIT CAST INTO C.I.P. CONCRETE WALL, SEE STRUCTURAL AND MEP DRAWINGS.
 E7: SURFACE MOUNTED TEL/DATA AND DUPLEX BOXES, SEE MEP DRAWINGS FOR SPECIFICATIONS.
 E8: C.I.P. ELECTRICAL CONDUIT FOR EXT. ELEC. DUPLEX.
 E9: C.I.P. EXTERIOR RATED ELECTRICAL DUPLEX, SEE MEP DRAWINGS FOR SPECIFICATIONS.
 E10: BUILDING POWER PANEL.
 E11: TELECOMMUNICATIONS ENCLOSURE PANEL.
 E12: LIGHTING CONTROL PANEL.
 E13: EXTERIOR CONDUIT AND CONNECTIONS, PAINTED TO MATCH STEEL FRAME. CONTRACTOR TO RUN CONDUIT TIGHT TO FACE OF HSS AND CONCEAL ROUTING AS PER ARCHITECTURAL AND ELECTRICAL DRAWINGS.
 E14: CONDUIT "SWAN NECK", FLASH WITH ROOF SYSTEM AS PER THE MANUFACTURERS RECOMMENDATIONS.
 E15: EXTERIOR CONTROL BOX, AS PER ELECTRICAL DRAWINGS, FASTEN TO STEEL WITH 316 S.S. FASTENERS AND NEOPRENE SHIMS AS PER THE MANUFACTURERS RECOMMENDATIONS.



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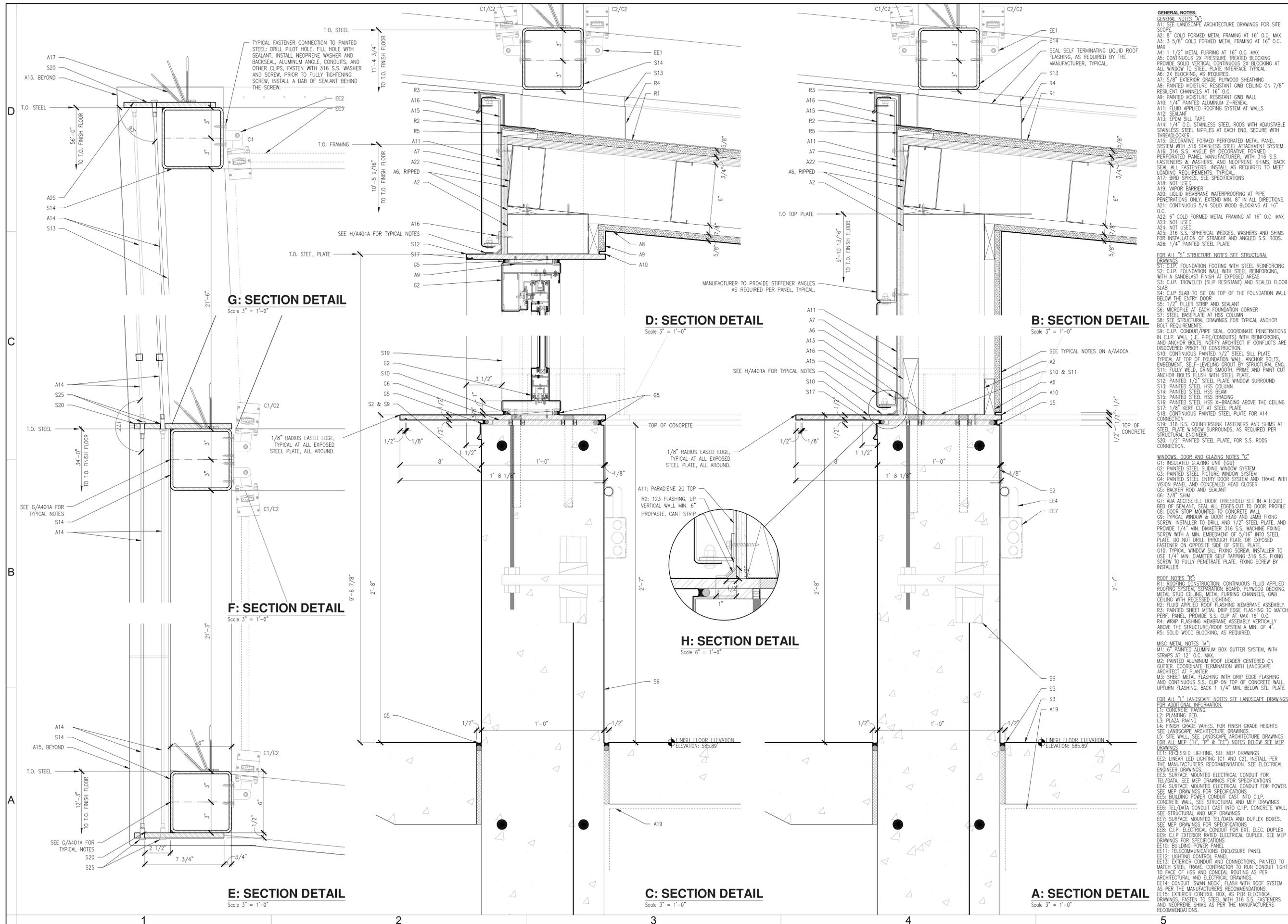
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Civic Project, Phase 1B
 901 Fuhrmann Boulevard, Buffalo, New York 14203

DATE:	1/31/2018
PROJECT:	2016032
PHASE:	BID DOCUMENTS
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CHECKED:	

WALL SECTION DETAILS -
 ADD ALTERNATE NO. 5

A400A



GENERAL NOTES:
 A1: SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR SITE SCOPE.
 A2: 8" COLD FORMED METAL FRAMING AT 16" O.C. MAX.
 A3: 3 5/8" COLD FORMED METAL FRAMING AT 16" O.C. MAX.
 A4: 1 1/2" METAL FURRING AT 16" O.C. MAX.
 A5: CONTINUOUS 2X PRESSURE TREATED BLOCKING.
 A6: PROVIDE SOLID VERTICAL CONTINUOUS 2X BLOCKING AT ALL WINDOW TO STEEL PLATE INTERFACE TYPICAL.
 A7: 2X BLOCKING, AS REQUIRED.
 A8: 5/8" EXTERIOR GRADE PLYWOOD SHEATHING.
 A9: PAINTED MOISTURE RESISTANT GWB CEILING ON 7/8" RESILIENT CHANNELS AT 16" O.C.
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 S11: FULLY WELD, GRIND SMOOTH, PRIME AND PAINT CUT ANCHOR BOLTS FLUSH WITH STEEL PLATE.
 S12: PAINTED 1/2" STEEL PLATE WINDOW SURROUND.
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 G7: ADA ACCESSIBLE DOOR THRESHOLD SET IN A LIQUID BED OF SEALANT, SEAL ALL EDGES CUT TO DOOR PROFILE.
 G8: DOOR STOP MOUNTED TO CONCRETE WALL.
 G9: TYPICAL WINDOW & DOOR HEAD AND JAMB FIXING SCREW, INSTALLER TO DRILL AND 1/2" STEEL PLATE, AND PROVIDE 1/4" MIN. DIAMETER 316 S.S. MACHINE FIXING SCREW WITH A MIN. EMBEDMENT OF 5/16" INTO STEEL PLATE. DO NOT DRILL THROUGH PLATE OR EXPOSED FASTENER ON OPPOSITE SIDE OF STEEL PLATE.
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ROOF NOTES "R":
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 R2: FLUID APPLIED ROOF FLASHING MEMBRANE ASSEMBLY.
 R3: PAINTED SHEET METAL DRIP EDGE FLASHING TO MATCH PERF. PANEL, PROVIDE S.S. CLIP AT MAX 16" O.C.
 R4: WRAP FLASHING MEMBRANE ASSEMBLY VERTICALLY ABOVE THE STRUCTURE/ROOF SYSTEM A MIN. OF 4".
 R5: SOLID WOOD BLOCKING, AS REQUIRED.

MISC METAL NOTES "M":
 M1: 6" PAINTED ALUMINUM BOX GUTTER SYSTEM, WITH STRAPS AT 12" O.C. MAX.
 M2: PAINTED ALUMINUM ROOF LEADER CENTERED ON GUTTER, COORDINATE TERMINATION WITH LANDSCAPE ARCHITECT AT PLANTER.
 M3: SHEET METAL FLASHING WITH DRIP EDGE FLASHING AND CONTINUOUS S.S. CLIP ON TOP OF CONCRETE WALL. UPTURN FLASHING, BACK 1 1/4" MIN. BELOW STL. PLATE.

FOR ALL "L" LANDSCAPE NOTES SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
 L1: CONCRETE PAVING.
 L2: PLANTING BED.
 L3: PLAZA PAVING.
 L4: FINISH GRADE VARIES, FOR FINISH GRADE HEIGHTS SEE LANDSCAPE ARCHITECTURE DRAWINGS.
 L5: SITE WALL, SEE LANDSCAPE ARCHITECTURE DRAWINGS. FOR ALL MEP ("H", "P" & "T") NOTES BELOW SEE MEP DRAWINGS.

ELECTRICAL NOTES:
 EE1: RECESSED LIGHTING, SEE MEP DRAWINGS.
 EE2: LINEAR LED LIGHTING (C1 AND C2), INSTALL PER THE MANUFACTURERS RECOMMENDATION. SEE ELECTRICAL ENGINEER DRAWINGS.
 EE3: SURFACE MOUNTED ELECTRICAL CONDUIT FOR TEL/DATA, SEE MEP DRAWINGS FOR SPECIFICATIONS.
 EE4: SURFACE MOUNTED ELECTRICAL CONDUIT FOR POWER, SEE MEP DRAWINGS FOR SPECIFICATIONS.
 EE5: BUILDING POWER CONDUIT CAST INTO C.I.P. CONCRETE WALL, SEE STRUCTURAL AND MEP DRAWINGS FOR SPECIFICATIONS.
 EE6: TEL/DATA CONDUIT CAST INTO C.I.P. CONCRETE WALL, SEE STRUCTURAL AND MEP DRAWINGS.
 EE7: SURFACE MOUNTED TEL/DATA AND DUPLEX BOXES, SEE MEP DRAWINGS FOR SPECIFICATIONS.
 EE8: C.I.P. ELECTRICAL CONDUIT FOR EXT. ELEC. DUPLEX.
 EE9: C.I.P. EXTERIOR RATED ELECTRICAL DUPLEX, SEE MEP DRAWINGS FOR SPECIFICATIONS.
 EE10: BUILDING POWER PANEL.
 EE11: TELECOMMUNICATIONS ENCLOSURE PANEL.
 EE12: LIGHTING CONTROL PANEL.
 EE13: EXTERIOR CONDUIT AND CONNECTIONS, PAINTED TO MATCH STEEL FRAME, CONTRACTOR TO RUN CONDUIT TIGHT TO FACE OF HSS AND CONCEAL ROUTING AS PER ARCHITECTURAL AND ELECTRICAL DRAWINGS.
 EE14: CONDUIT "SWAN NECK", FLASH WITH ROOF SYSTEM AS PER THE MANUFACTURERS RECOMMENDATIONS.
 EE15: EXTERIOR CONTROL BOX, AS PER ELECTRICAL DRAWINGS, FASTEN TO STEEL WITH 316 S.S. FASTENERS AND NEOPRENE SHIMS AS PER THE MANUFACTURERS RECOMMENDATIONS.

TROWBRIDGE WOLF MICHAELS
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 LANDSCAPE ARCHITECTS
 101 W. Seneca St., Ste. 101 Buffalo, NY 14202
 807-277-1400 Fax 807-277-6002

Architect:
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 151 Pearl Street, 2nd Floor
 Boston, MA 02110
 Tel: (617) 526-0884

REGISTERED ARCHITECT
 STATE OF NEW YORK

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 901 Fuhrmann Boulevard, Buffalo, New York 14203

DATE: 1/31/2018
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WALL SECTION DETAILS -
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A401A

Architect:
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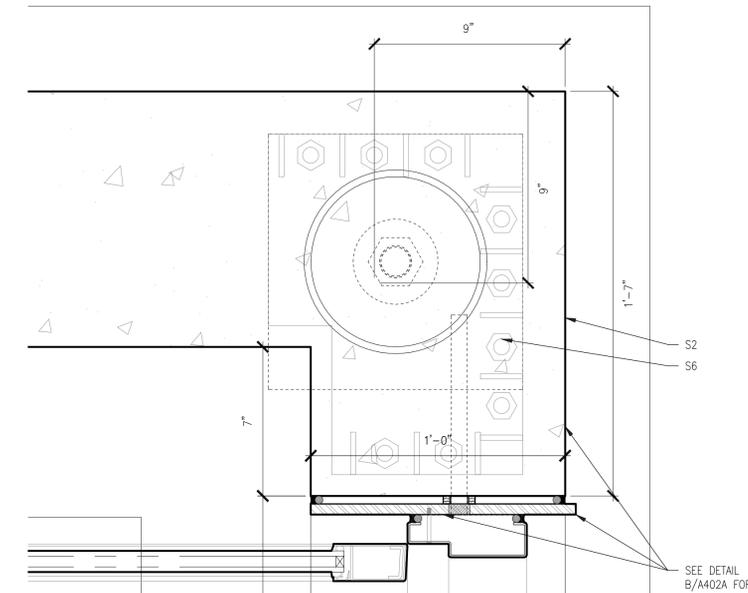
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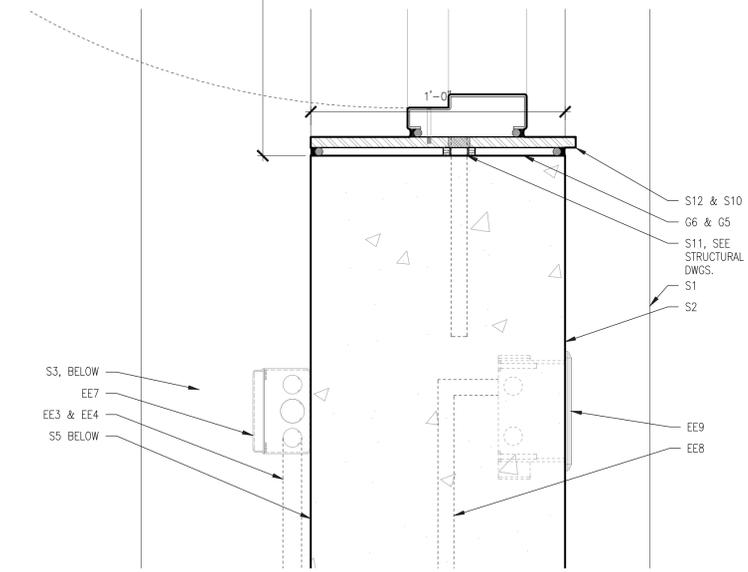
DATE: 1/31/2018
 PROJECT: 2016032
 PHASE: BID DOCUMENTS
 DRAWN BY:
 CHECKED:

PLAN DETAILS - ADD
 ALTERNATE NO. 5

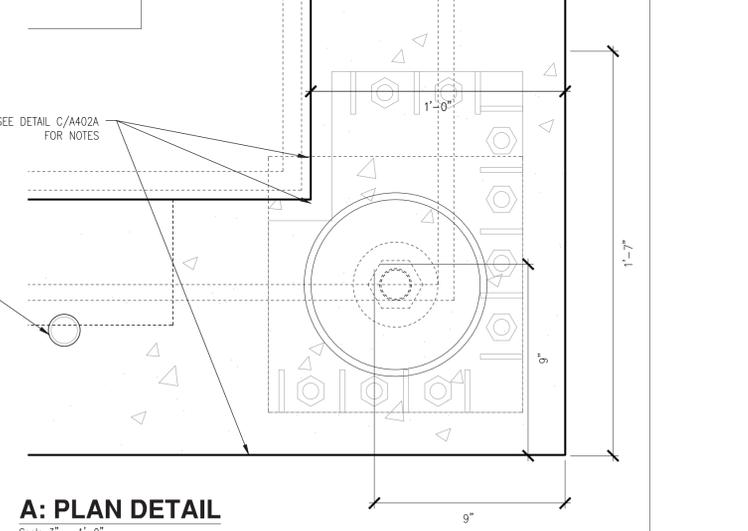
A402A



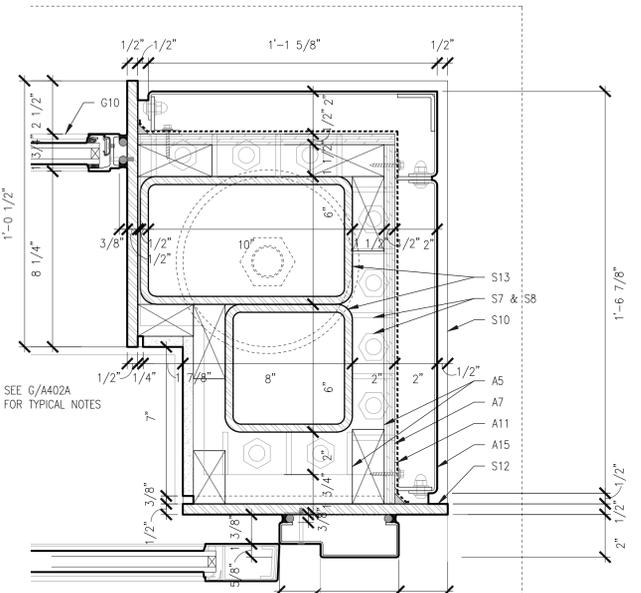
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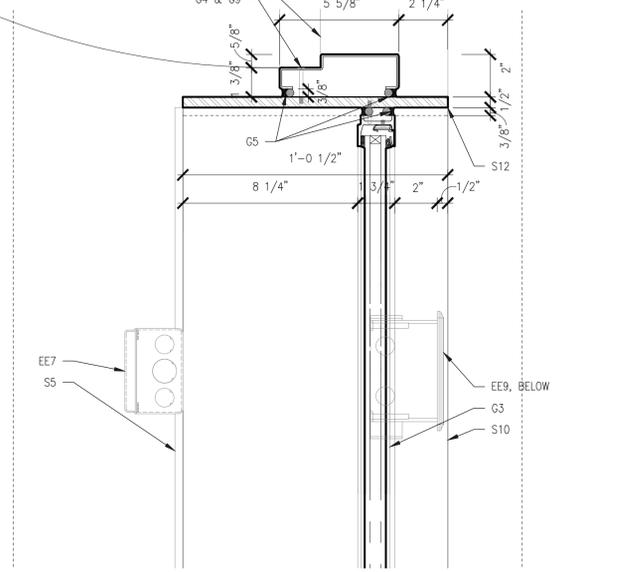
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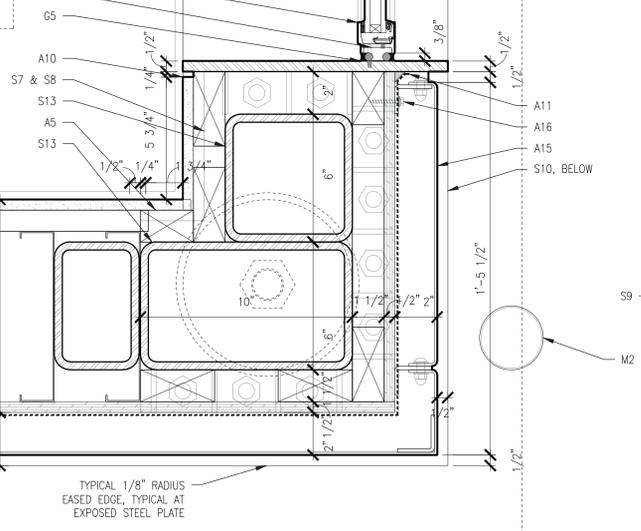
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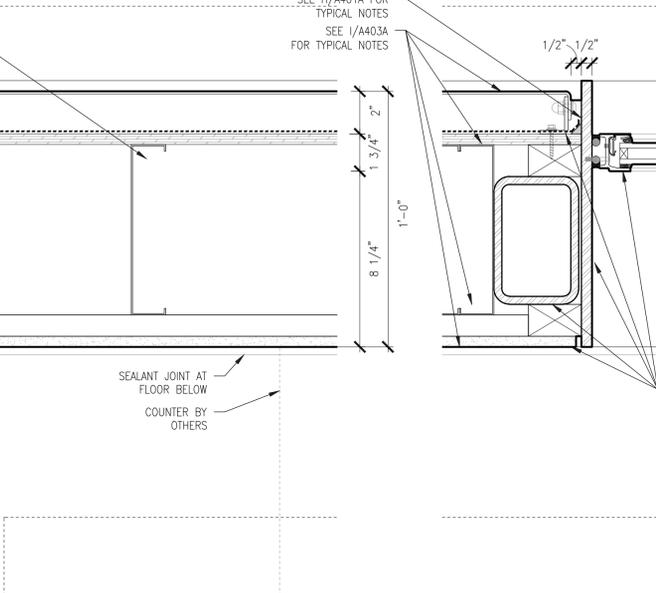
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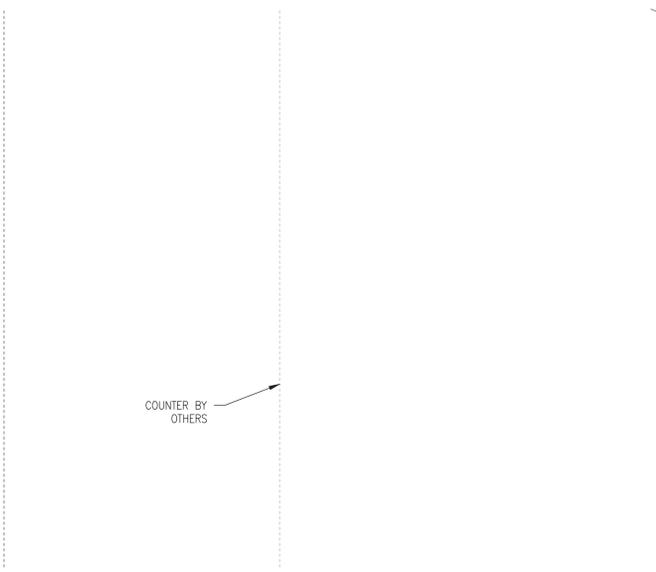
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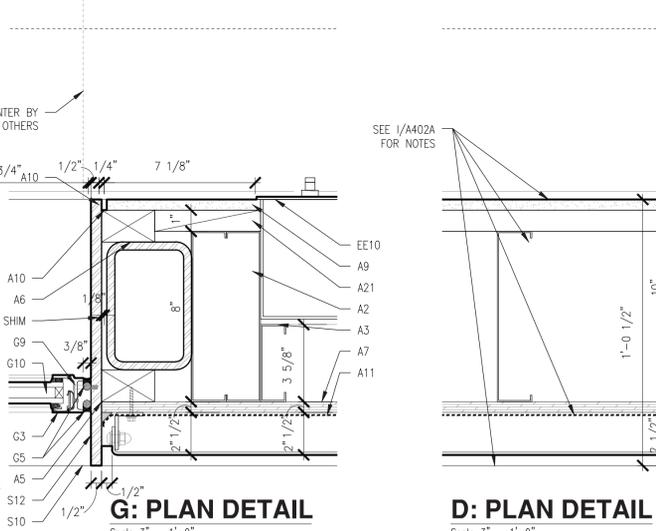
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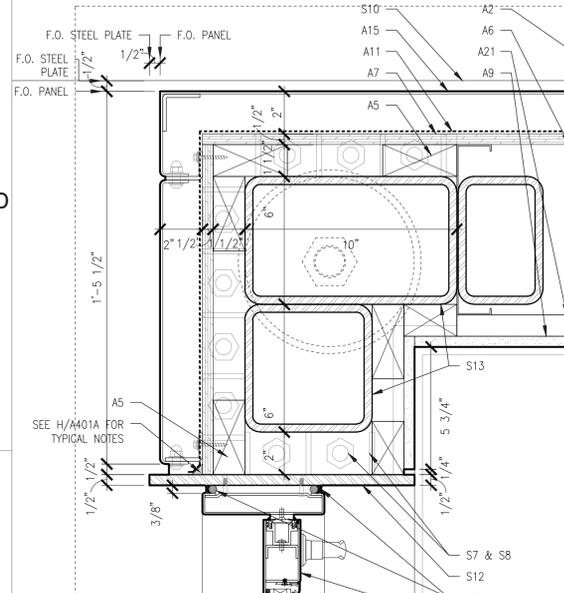
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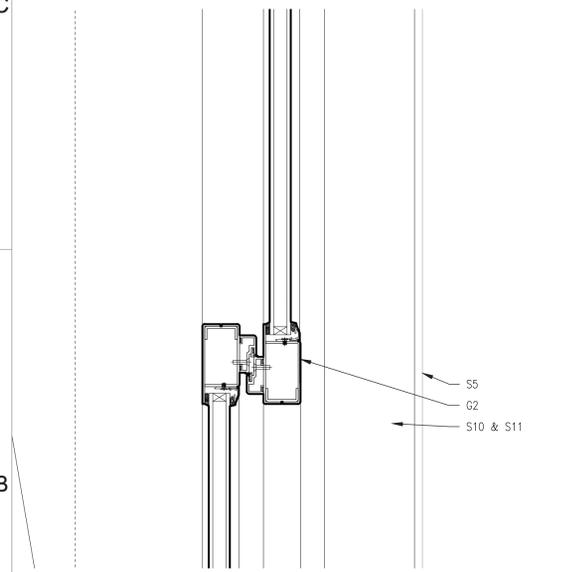
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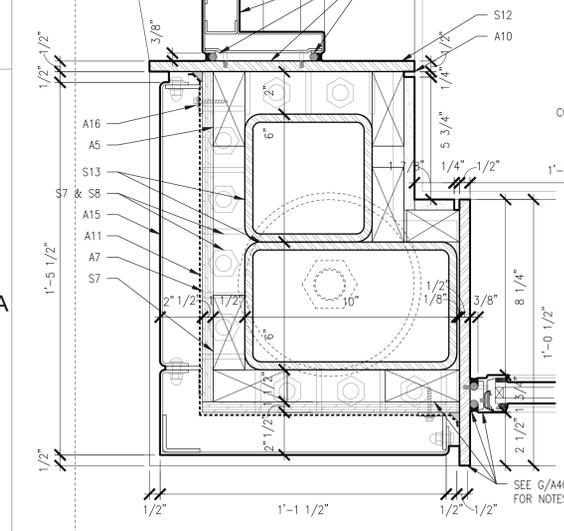
G: PLAN DETAIL
 Scale 3" = 1'-0"



I: PLAN DETAIL
 Scale 3" = 1'-0"



H: PLAN DETAIL
 Scale 3" = 1'-0"

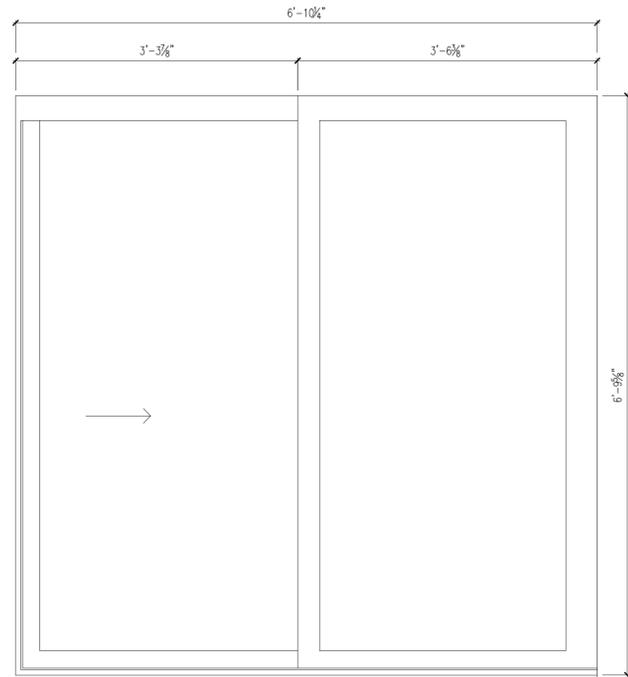


A: PLAN DETAIL
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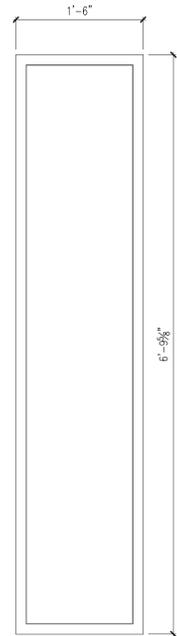
WINDOW SCHEDULE:								
WINDOW TYPE		WINDOW FRAME SIZE			MIN. ROUGH OPENING (V.L.F.)		MATERIAL	NOTES
#	TYPE	ELEVATION	WIDTH	HEIGHT	WIDTH	HEIGHT		
W1	S1	B/A201A	6'-10 1/4"	6'-9 5/8"	6'-11"	6'-10 3/8"	PAINTED STEEL FRAME	SLIDER
W2	S2	A/A201A	1'-6"	6'-9 5/8"	1'-6 3/4"	6'-10 3/8"	PAINTED STEEL FRAME	FIELD WINDOW
W3	S2	B/A200A	2'-11 1/4"	5'-6 1/2"	3'-0"	5'-7 1/4"	PAINTED STEEL FRAME	FIELD WINDOW
W4	S2	A/A200A	3'-5 5/8"	5'-6 1/2"	3'-6 3/8"	5'-7 1/4"	PAINTED STEEL FRAME	FIELD WINDOW

DOOR SCHEDULE:								
DOOR TYPE		DOOR FRAME SIZE			MIN. ROUGH OPENING (V.L.F.)		MATERIAL	NOTES
#	TYPE	ELEVATION	WIDTH	HEIGHT	WIDTH	HEIGHT		
D1	DA	A/A200A	3'-2"	8'-2 7/8"	3'-2 3/4"	8'-3 1/4"	PAINTED STEEL FRAME	IN-SWING DOOR

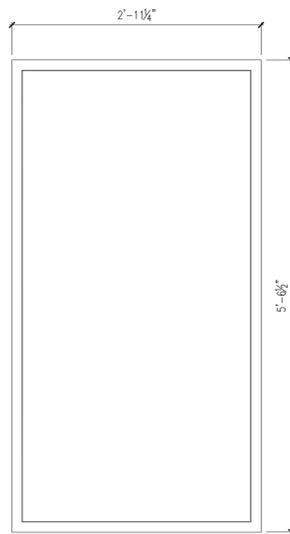
- NOTES:
1. ALL IGU GLASS SIZES TO BE FIELD VERIFIED WITH AS BUILT STEEL FRAME & SIZES PROVIDED BY HOPES WINDOWS AND DOORS MANUFACTURERS APPROVED SHOP DRAWINGS.
 2. SIZES PROVIDED ARE APPROXIMATE.
 3. CONTRACTOR TO COORDINATE SETTING BLOCK LOCATIONS WITH SLOTTED HOLES IN STEEL FRAME, COORDINATE WITH SUBMITTALS.
 4. CONTRACTOR TO VERIFY SETTING BLOCK LOCATIONS AS REQUIRED FOR WIND LOAD REQUIREMENTS.



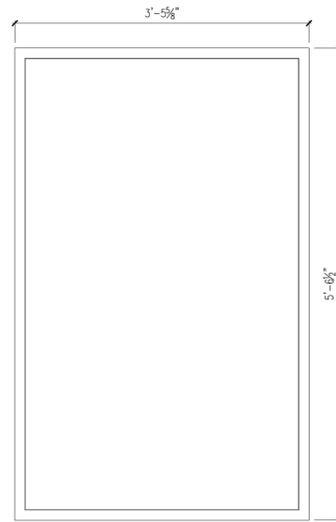
W1: PAINTED STEEL SLIDING STOREFRONT SYSTEM



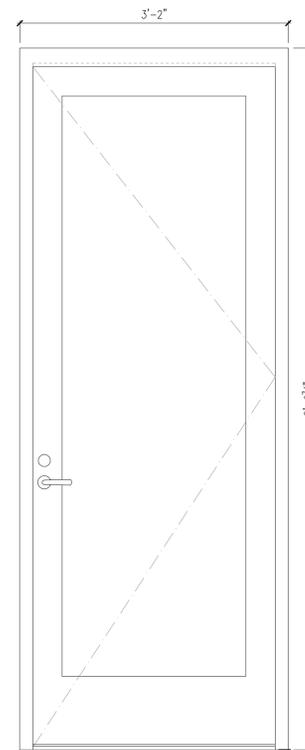
W2: PAINTED STEEL STOREFRONT SYSTEM



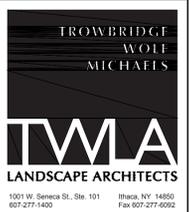
W3: PAINTED STEEL STOREFRONT SYSTEM



W4: PAINTED STEEL STOREFRONT SYSTEM



D1: PAINTED STEEL ENTRY SYSTEM AND FRAME WITH VISION PANEL



Architect:
Touloukian Touloukian Inc.
 151 Pearl Street, 2nd Floor
 Boston, MA 02110
 Tel: (617) 526-0884



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WINDOW AND DOOR SCHEDULE - ADD ALTERNATE NO. 5

A500A