September 27, 2024

TO ALL BIDDERS OF RECORD:

This Addendum forms a part of the Contract Documents and modifies the Drawings and Project Manual as hereinafter indicated.

1. DEADLINE EXTENSION

**** DEADLINE IS EXTENDED TO THE FOLLOWING DATE****

Extended Deadline for **General Construction** is **Thursday, October 17, 2024, at 10:00 AM EST**

2. BIDDER QUESTIONS

1. *This project has liquidated damages. At time of award will the owner work with the contractor to establish an agreeable schedule based on long lead items, and the contractor will not be penalized by liquidated damages for any long lead items that we cannot control delivery on?*

   Response: Yes.

2. *Will all project testing costs be reimbursed by the owner?*

   Response: The Owner is responsible for third-party inspections per IBC Chapter 17. GC is responsible for permits, regulation inspections and testing. Refer to section 1.15 in 01 10 00 SUMMARY OF WORK, 1.15 PERMITS, INSPECTION, AND TESTING REQUIRED BY GOVERNING AUTHORITIES.

3. *Please confirm generals are to submit a certification stating that bidder can bond for 100% value of construction. If so, is there a form you can provide?*

   Response: Yes. This form is the surety letter of guarantee from the bidder's bonding company. Refer to section 00 02 00 INSTRUCTIONS TO BIDDERS under Article 4 - Submission of Bids.

4. *Please confirm electric file sub is responsible for temporary power and lighting.*

   Response: The electrical subcontractor is responsible for providing temporary feeders, while the general contractor is responsible for paying the cost of electric energy consumed by itself and all its subcontractors. Refer to Section 01 50 00 TEMPORARY FACILITIES AND CONTROLS, 1.6 TEMPORARY POWER.

5. *Will there be a staging area provided onsite for toilets, dumpster, trailers?*

   Response: Yes. Refer to 1/G001, SITE ACCESS CONTROL.

6. *Please confirm locations of detail 2B/A030? If at entire perimeter, how deep should the cementitious panel be installed?*

   Response: Wall type 2B is at the entire building perimeter. Refer to Typical Wall Section Detail, 1/A500 for the standard depth of the cementitious panel.

7. *Please confirm that detail 8 on drawing A500 applies to this project. The plywood/blocking shown in this detail are not typical for insulated metal panel roof designs.*

   Response: Omit 8/A500 and replace with issued sketch, SKA-3, as part of this addendum.

8. *Dedham-Westwood Water District prefabricated canopies. The spec section 05-9995 Prefabricated Canopy calls for two canopies that are supported by one pair of hanger rods. The*

attached alternate product from Upside Innovation has two pairs of hanger rods. Will it be acceptable to carry this product in our base bid? Please confirm.

Response: This substitution for Upside prefabricated canopy is acceptable. Product documentation is included as part of this addendum for review.

3. DRAWINGS

1. **REPLACE** the following drawing sheets labeled addendum 4 dated 9-27-2024:
    a. A010 CODE REVIEW
    b. A100 FLOOR PLANS
    c. S101 FOUNDATION PLAN AND MEZZANINE LEVEL FRAMING PLAN
    d. E200 ELECTRICAL LIGHTING AND POWER PLANS

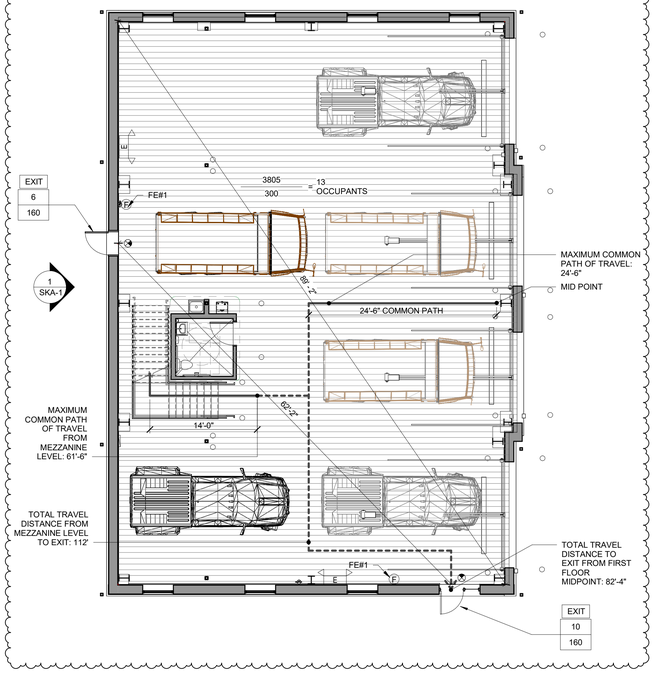
2. **REPLACE** the drawings with the following sketches dated 9/27/2024:
    a. REPLACE drawing 2/A200 with SKA-1 WEST EXTERIOR ELEVATION
    b. REPLACE drawing 1/A400 with SKA-2 BUILDING SECTION
    c. REPLACE drawing 8/A500 with SKA-3 SNOW FENCE SECTION

3. On Sheet A900, **REPLACE** 12’-0” WIDTH of DOORS A100.3 and A100.6 to **14’-0”.**

1. ATTACHMENTS

1. A010 CODE REVIEW
2. A100 FLOOR PLANS
3. SKA-1 WEST EXTERIOR ELEVATION
4. SKA-2 BUILDING SECTION
5. SKA-3 SNOW FENCE SECTION
6. S101 FOUNDATION PLAN AND MEZZANINE LEVEL FRAMING PLAN
7. E200 ELECTRICAL LIGHTING AND POWER PLANS
8. Upside prefabricated canopy drawing and specification

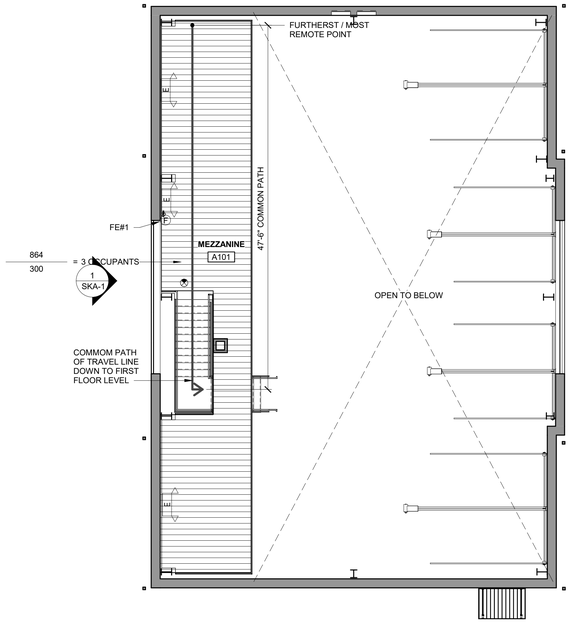
(THIS COMPLETES ADDENDUM NO. 4)



TRUE NORTH BLDG NORTH

1 A010 CODE REVIEW PLAN

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



TRUE NORTH BLDG NORTH

2 A010 MEZZANINE CODE PLAN

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

LEGEND

EXIT — EGRESS EXIT

EXIT SIGNAGE

F — FIRE EXTINGUISHER

OCCUPANCY DESIGNATIONS LEGEND

STORAGE / MECHANICAL

KEY

OCCUPANT LOAD INDICATOR

AREA OF BUSINESS USE

/ ## = ### — TOTAL OCCUPANTS

LOAD FACTOR FROM TABLE 1008.1.2

EGRESS ELEMENT LOAD INDICATOR

57 / 213 — ACTUAL OCCUPANT LOAD PASSING THROUGH DOOR/STAIR; ALLOWABLE OCCUPANT LOAD OF DOOR/STAIR

TRAVEL DISTANCE

COMMON PATH OF TRAVEL

FIRE EXTINGUISHER LEGEND (NFPA 10)

FE #1 — 4A-60BC (UL RATING) SURFACE MOUNTED RETAINER BRACKET

III. MASS STRETCH CODE - 2021

THERMAL ENVELOPE COMPONENT VALUES ALL COMPONETS TO BE CLEARLY LABELED

CLIMATE ZONE (IECC TABLE C301.1)	CLIMATE ZONE 5A
OPAQUE THERMAL ENVELOPE INSULATION COMPONENT MINIMUM REQUIREMENTS (IECC TABLE C402.1.4)	
METAL BLDGS. EXTERIOR WALLS R-VALUE:	CONTINUOUS (R 13 + 10) REQUIRED / R - 28.8 PROVIDED
ROOF R-VALUE:	CONTINUOUS (R - 19 + 11 LS) REQUIRED / R - 30 PROVIDED
BUILDING ENVELOPE FENESTRATION MAXIMUM U-FACTOR AND SHGC REQUIREMENTS (IECC TABLE C402.4) CLIMATE ZONE 5A	
FIXED FENESTRATION WINDOWS U-FACTOR:	FRAME TYPE: SINGLE U - VALUE .36 REQUIRED / U-VALUE .34 PROVIDED
SWINGING DOOR U-FACTOR:	DOOR TYPE: SINGLE U - VALUE .37 REQUIRED / U-VALUE .35 PROVIDED
OVERHEAD DOOR U-FACTOR:	DOOR TYPE: SINGLE U - VALUE .31 MAX. ALLOWED / U-VALUE .31 PROVIDED
GLAZING SHGC:	DOUBLE GLAZED UNIT: SHGC .38 MAX. ALLOWED / SHGC .35 PROVIDED
KALWALL PANELS SHGC:	4" CRYSTAL 13%: SHGC U / .09 PROVIDED
EXPOSED FOUNDATION INSULATION:	24" BELOW GRADE = T-CLEAR: 2.125" EXPOSED AT R- 10

CODE DATA

I. BUILDING & FIRE CODE DATA

MASSACHUSETTS STATE BUILDING CODE	780 CMR	MASBC 2017
2015 INTERNATIONAL BUILDING CODE		IBC
2021 INTERNATIONAL ENERGY CODE		IECC
2015 INTERNATIONAL MECHANICAL CODE		IMC
2017 NATIONAL ELECTRIC CODE		NEC
2015 INTERNATIONAL EXISTING BUILDING CODE		IECB
2017 MASSACHUSETTS SUPPLEMENT	780 CMR	dated 2017 10 20
MA SPECIAL REGULATIONS 780 CMR 110.R1 THROUGH 115.AA		dated 2010 10 20
ARCHITECTURAL ACCESS BOARD	521 CMR	
MA ACCESSIBILITY CODE		dated 2006 01 27
MA STATE PLUMBING CODE	248 CMR	dated 2023 12 08
MA ELECTRICAL CODE	527 CMR 12.00	date 2008

2022 MASSACHUSETTS FIRE CODE STATE FIRE SAFETY CODE 527 CMR
NFPA 1 2022 FIRE CODE
[FIRE PREVENTION REGULATIONS 527 CMR TAKES PRECEDENCE OVER NFPA]

NFPA REFERENCE STANDARDS FROM MA SBC CHAPTER 35

NFPA 10 2018 PORTABLE FIRE EXTINGUISHERS
NFPA 13 2019 INSTALLATION OF SPRINKLERS SYSTEMS
NFPA 14 2016 INSTALLATION OF STAND PIPE & HOSE SYSTEMS
NFPA 70 2017 NATIONAL ELECTRICAL CODE
NFPA 72 2019 NATIONAL FIRE ALARM CODE
NFPA 101 2018 LIFE SAFETY CODE
NFPA 241 2022 SAFEGUARDING CONSTRUCTION

II. BUILDING AREA

TOTAL BUILDING AREA 4,659 S.F.

A. OCCUPANCY & CONSTRUCTION TYPES

BUILDING OCCUPANCY: STORAGE (S-1)

(OCCUPANCY)	(BLDG. AREAS)
S	3805 S.F.
S (MEZZANINE)	864 S.F.

CONSTRUCTION TYPE: IIB

THESE CONSTRUCTION TYPES EQUATE TO THE FOLLOWING FIRE RATINGS PER IBC TABLE 601:

STRUCTURAL ELEMENT	RATING IN HOURS
1. EXTERIOR WALLS	
LOAD BEARING	0
NON-LOAD BEARING	0
2. FIRE WALLS & PARTY WALLS	0
3. INTERIOR LOAD BEARING WALLS, PARTITIONS, COLUMNS, GIRDERS, TRUSSES (OTHER THAN ROOF) AND FRAMING	0
4. STRUCTURES SUPPORTING WALL(S)	0
5. FLOOR CONSTRUCTION	0
6. ROOF CONSTRUCTION	0
15' OR LESS TO LOWEST MEMBER	0
GREATER THAN 15' BUT LESS THAN 20' TO LOWEST MEMBER	0
GREATER THAN 20' TO LOWEST MEMBER	0

B. ALLOWABLE AREA AND HEIGHT

1. AREA FOR IIB CONSTRUCTION (IBC TABLE 506.2)
   OCCUPANCY S-1 = 17,500SF/FLOOR
2. HEIGHT FOR IIB CONSTRUCTION (IBC TABLE 504.3)
   OCCUPANCY S (NOT SPRINKLERED) = 3 STORIES/55 FEET ABOVE GRADE
   ACTUAL BUILDING HEIGHT = 1 1/2 STORIES/27 FEET ABOVE GRADE

C. FIRE PROTECTION

1. STORAGE OCCUPANCIES WITH ORDINARY- OR HIGH-HAZARD CONTENTS NOT EXCEEDING AN AGGREGATE FLOOR AREA OF 100,000 FT² (9300 M²) SHALL NOT BE REQUIRED TO HAVE A FIRE ALARM SYSTEM PER NFPA 101 42.3.4.1.2
2. AUTOMATIC SPRINKLER NOT REQUIRED FOR S-1 OCCUPANCY PER 780 CMR TABLE 903.2

D. EGRESS REQUIREMENTS

1. TOTAL TRAVEL DISTANCE: (IBC TABLE 1017.2)
   - MAX. ALLOWED WITHOUT SPRINKLERS: 200 LF
   - MAX. PROPOSED WITHOUT SPRINKLERS: 112' LF
2. COMMON PATH: (IBC TABLE 1006.2.1)
   - MAX. COMMON PATH OF TRAVEL ALLOWED: 75 LF
   - MAX. COMMON PATH OF TRAVEL PROPOSED: 61'-6"
3. DEAD END CORRIDOR: (IBC SECTION 1020.4)
   - TOTAL DEAD END CORRIDOR ALLOWED: 20 LF
   - TOTAL DEAD END CORRIDOR PROPOSED: N/A
4. MEANS OF EGRESS REQUIREMENTS

NUMBER AND WIDTH REQUIRED
OCCUPANCY LOAD PER FLOOR 500 PEOPLE OR LESS

TOTAL EXITS REQUIRED: 2 EXITS PER FLOOR (IBC SECTION 1006.3.1)

EGRESS WIDTHS REQUIRED AT STAIRS: (IBC SECTION 1005.3.1)

- TOTAL WIDTH REQUIRED AT STAIRS: 0.3"OCCUPANT = 0.3"OCCUPANT x 3 OCCUPANT = .9"
- TOTAL WIDTH PROVIDED AT STAIRS: 58"

EGRESS WIDTH REQUIRED AT DOORS: (IBC SECTION 1005.7.1)

- TOTAL WIDTH REQUIRED AT DOORS = 0.2" /OCCUPANT X 16 OCCUPANTS = 3.2"
- TOTAL WIDTH PROVIDED AT DOORS = 64" (32" CLEAR EACH DOOR)

E. INTERIOR FINISHES

CLASS B OR BETTER FINISHES WILL BE PROVIDED AT EXIT PASSAGEWAYS AND CLASS C OR BETTER IN ROOMS AND ENCLOSED SPACES PER IBC TABLE 803.13 & NFPA 42.3.3

F. SEISMIC CRITERIA

SEE STRUCTURAL DRAWINGS FOR SEISEMIC FACTOR REQUIREMENTS

G. STRUCTURAL LOADS

RISK CATEGORY II
ULTIMATE DESIGN WIND SPEED = 129 MPH
NOMINAL DESIGN WIND SPEED = 100 MPH
SNOW LOAD = 40 PSF

H. OCCUPANCY LOADS

1. OCCUPANCY LOAD TYPES — CMR 780 TABLE 1004.1.2
   STORAGE AREAS — 300 SF / PERSON GROSS
2. OCCUPANCY LOAD PER FLOOR

AREA:

FIRST FLOOR	13 OCCUPANTS
MEZZANINE	3 OCCUPANTS
BUILDING TOTAL	16 OCCUPANTS

II. PLUMBING FIXTURE ANALYSIS (BASED ON 248 CMR SECTION 10.10 TABLE 1)

STORAGE FACILITIES

*PER SECTION 10.10 TABLE1, ONE (1) SINGLE USER REST ROOM SHALL BE ALLOWED FOR UP TO 20 VISITOR AND OCCUPANTS COMBINED.

FIXTURES		CODE REQUIREMENT			PROJECT DESIGN PROVIDED			
		MALE	FEMALE	TOTAL	MALE	FEMALE	UNISEX	TOTAL
WATER CLOSETS	1/150* (SEE NOTE ABOVE)	--	--	1	--	--	1	1
URINALS	UP TO 67%							N/A
LAVATORIES	1/150* (SEE NOTE ABOVE)	--	--	1	--	--	1	1
DRINKING FOUNTAINS	1 FOR EACH SET OF RESTROOMS			1				1
MOP SINK	1			1				1

Certification

Drawn by ADC
Checked by AHB, JJR

Revised on

#	(DATE)	(DESCRIPTION)
3	9-27-2024	ADDENDUM 4

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Project

DEDHAM-WESTWOOD WATER DISTRICT

STORAGE FACILITY AND SITE IMPROVEMENTS

50 ELM STREET
DEDHAM, MA 02026

Drawing Status

100% CONSTRUCTION DOCUMENTS

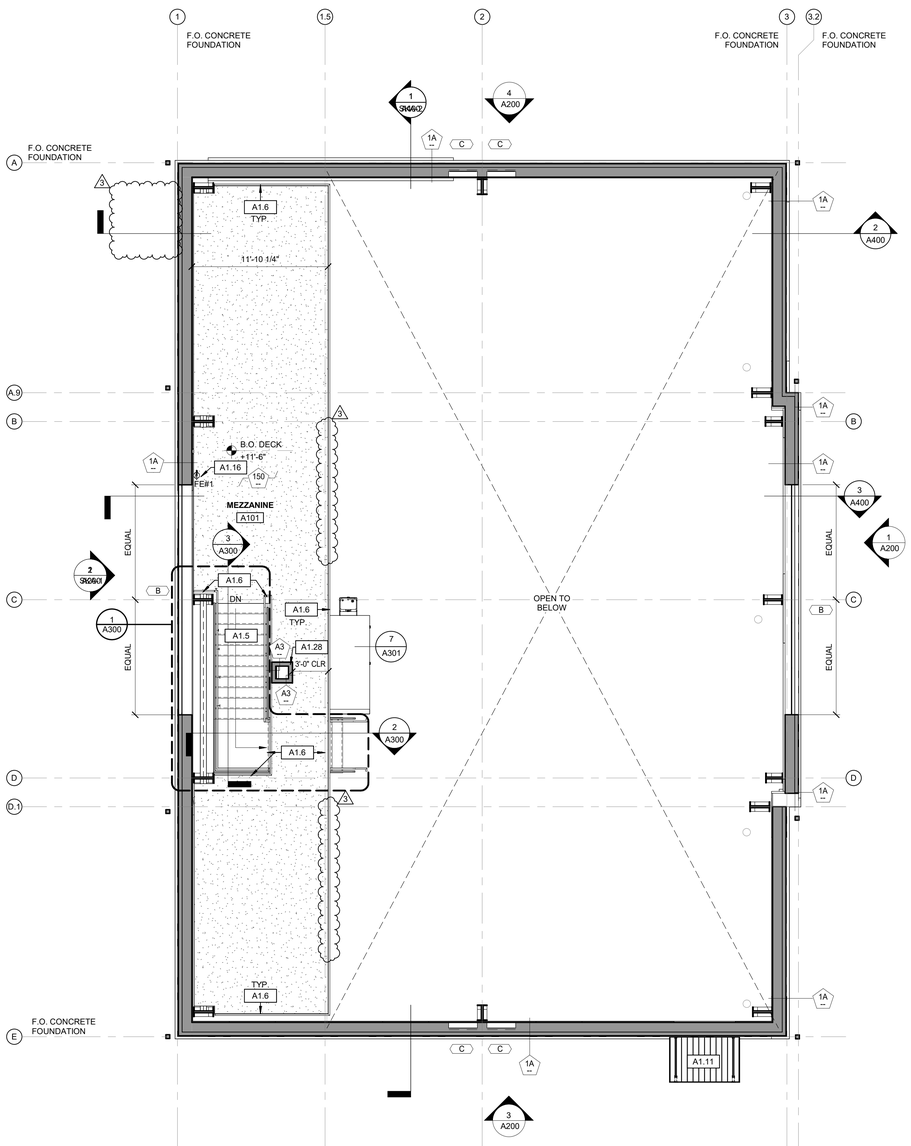
Issued On 8/20/2024

Sheet Contents

CODE REVIEW

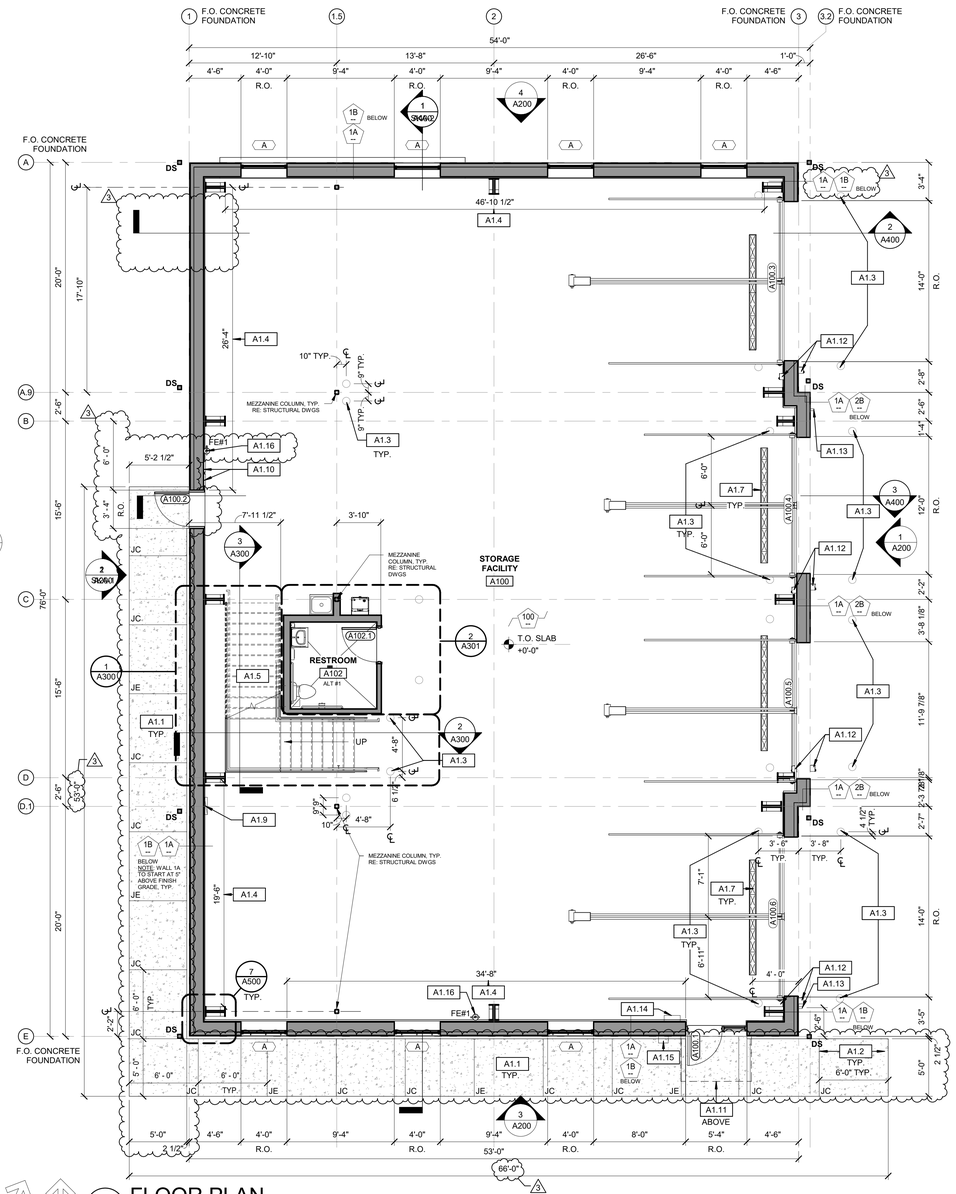
Project Number. 6790
Drawing No. A010

Sheet of



2 MEZZANINE LEVEL
A100 Scale: 3/16" = 1'-0"

TRUE NORTH BLDG NORTH



1 FLOOR PLAN
A100 Scale: 3/16" = 1'-0"

TRUE NORTH BLDG NORTH

GENERAL PLAN NOTES

1. COORDINATE ALL WORK w/ CIVIL, STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, &/or OTHER DRAWINGS. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK.
2. ALL DIMENSIONS TO EXTERIOR CONSTRUCTION ARE TO FACE OF CONCRETE FOUNDATION U.N.O.
3. ALL DIMENSIONS TO CONSTRUCTION ARE TO FACE OF STUD
4. ALL EXTERIOR WALLS ARE TYPE 1A U.N.O.
5. ALL INTERIOR WALLS ARE TYPE C3 AT STUD WALL U.N.O.
6. ALL DOOR FRAMES SHALL BE A MINIMUM OF 4" CLEAR FROM THE FACE OF ADJACENT WALL TO DOOR JAMB, U.N.O.
7. THE FOLLOWING ITEMS ARE DESIGNATED AS FOLLOWS:
   FE FIRE EXTINGUISHER WITH SURFACE MOUNTED RETAINER BRACKET
8. REFER TO ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
9. ALL TRENCH AND FLOOR DRAINS 1" LOWER THAN MAIN FLOOR LEVELS OR ROOMS. SLOPE ALL SIDES TO DRAIN U.N.O.
10. SLOPED FLOORS SHALL NOT EXCEED 2% SLOPE
11. REFER TO DRAWING G001 FOR ABBREVIATIONS AND SYMBOL DESCRIPTIONS.
12. PROVIDE BLOCKING FOR ALL WALL HUNG ITEMS.

CONSTRUCTION LEGEND

NEW WALL/ITEM

DS DOWNSPOUT

JC = CONTROL JOINT
JE = EXPANSION JOINT

F&I = FURNISH AND INSTALL

XXX WORK NOTES WITHOUT AN ARROW INDICATE AN ENTIRE SPACE/AREA.

XXX WORK NOTES WITH AN ARROW(S) INDICATE SPECIFIC AREAS &/or ITEMS.

PLAN WORK NOTES

A1.1 F&I CONCRETE SIDEWALK W/ TOOLED EDGES AND BROOM FINISH. SLOP AWAY FROM BUILDING FOUNDATION (2% MAX SLOPE); RE: CIVIL DWGS.

A1.2 F&I CONTROL JOINT SPACED 5'-0" O.C.

A1.3 F&I 8" DIAMETER 42" HIGH GALV. STEEL BOLLARD FILLED WITH CONCRETE WITH YELLOW COVER SLEEVE; RE: 7/A501

A1.4 F&I 3-5/8" METAL STUD AND 3/4" MARINE GRADE FRT PLYWOOD, FIELD PAINTED WHITE; RE: 1/A500

A1.5 F&I NEW METAL STAIR ASSEMBLY, RE: ENLARGED DETAILS AND COORDINATE w/ STRUCTURAL DRAWINGS, TYP.

A1.6 F&I METAL GUARDRAIL, RE: ENLARGED DETAILS AND COORDINATE w/ STRUCTURAL DRAWINGS, TYP.

A1.7 F&I NEW TRENCH DRAIN AT EACH OVERHEAD DOOR; RE: PLUMBING DWGS.

A1.9 F&I NEW ELECTRICAL PANEL, MAINTAIN ANY REQ. FRONT CLEARANCES; RE: ELECTRICAL DWGS.

A1.10 F&I NEW GAS DETECTION AND FAN CONTROL PANELS; RE: MECHANICAL AND ELECTRICAL DWGS.

A1.11 F&I NEW PREFAB ALUMINUM CANOPY, RE: 2/A501

A1.12 F&I NEW OVERHEAD SECTIONAL DOOR WITH PUSHBUTTON; RE: ELECTRICAL DWGS.

A1.13 F&I EXTERIOR HOSE BIBB; RE:PLUMBING DWGS.

A1.14 F&I TRAP DRILL BOX; RE:PLUMBING AND ELECTRICAL DWGS.

A1.15 F&I GAS METER; COORDINATE FINAL LOCATION WITH LOCAL UTILITY COMPANY AND OWNER. RE:PLUMBING DWGS.

A1.16 F&I FIRE EXTINGUISHER WITH SURFACE MOUNTED RETAINER BRACKET; RE:13/A502 .

A1.28 F&I 16 GA METAL STUD @ 16" O.C. WITH 5/8" TYPE 'X' GYPSUM BOARD CHASE TO THE UNDERSIDE OF ROOF FOR PLUMBING STACK AND MECHANICAL DUCT TO ROOF. FIELD PAINT; RE: MECHANICAL AND ELECTRICAL DWGS

Certification

Drawn by ADC

Checked by AHB, JJR

Revised on

#	(DATE)	(DESCRIPTION)
1		ADDENDUM 1
3	9-27-2024	ADDENDUM 4

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STORAGE FACILITY AND SITE IMPROVEMENTS

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DEDHAM, MA 02026

Drawing Status

100% CONSTRUCTION DOCUMENTS

Issued On 8/20/2024

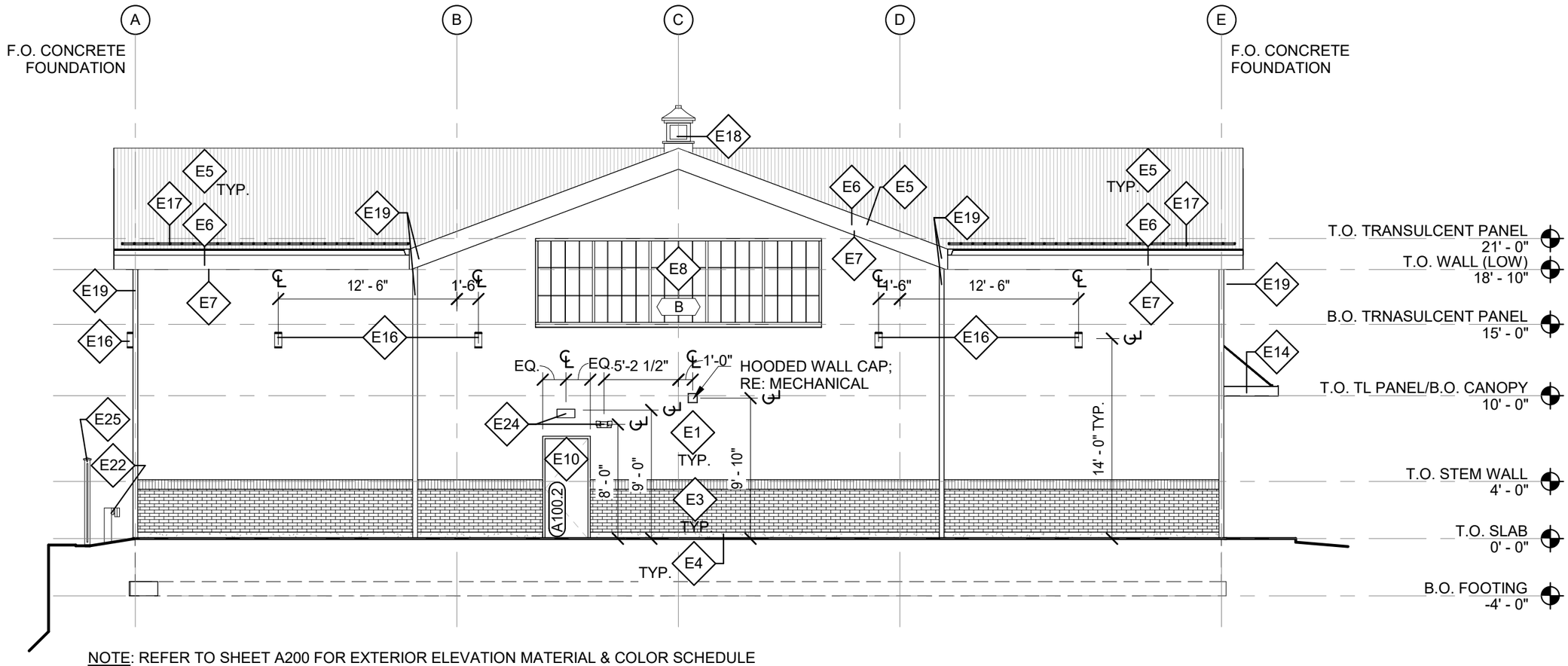
Sheet Contents

FLOOR PLANS

Project Number. 6790
Drawing No.

A100

Sheet of



NOTE: REFER TO SHEET A200 FOR EXTERIOR ELEVATION MATERIAL & COLOR SCHEDULE

1 / SKA-1

WEST EXTERIOR ELEVATION (SKA-1 ADDEN. #4)

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

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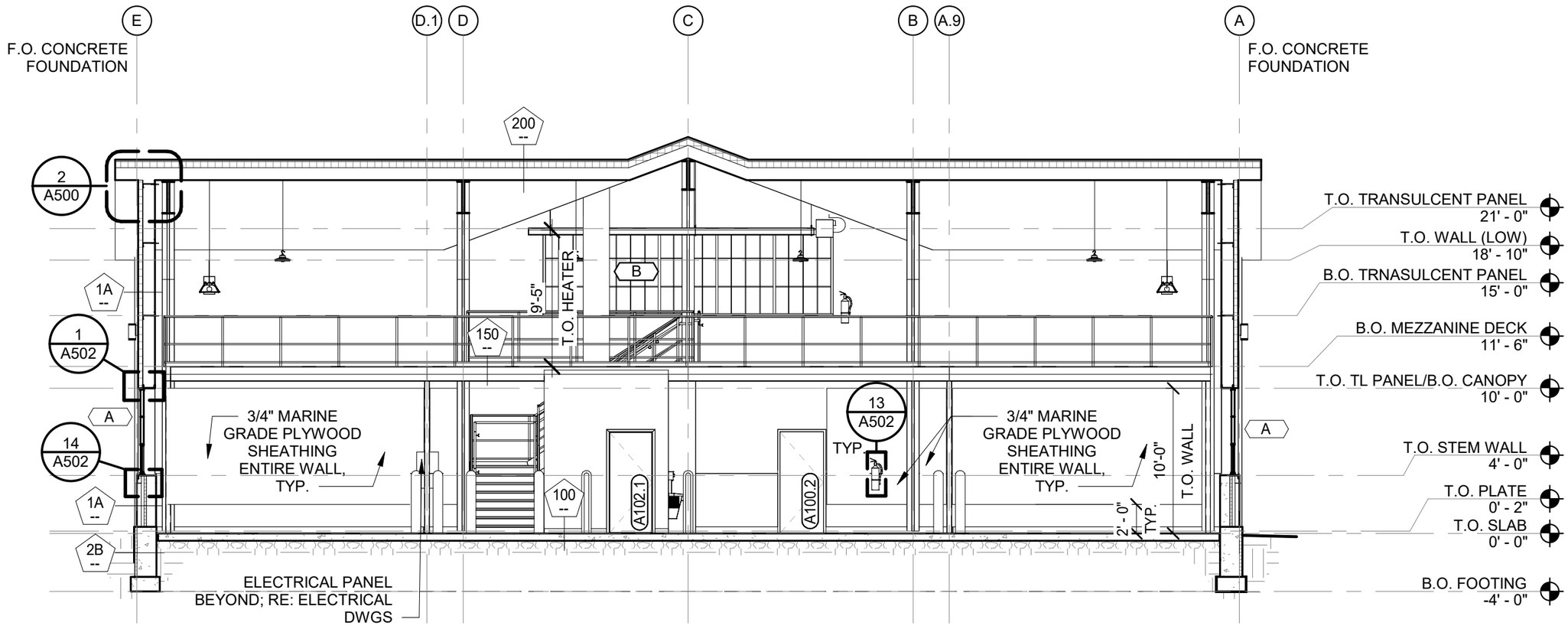
Contents

WEST EXTERIOR ELEVATION

Project No.	6790	Drawing No.	SKA-1
Checked by	JRR		
Issued	09/27/24	Sheet	of



1 SKA-2 BUILDING SECTION 1 (SKA-2 ADDEN. #4)

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

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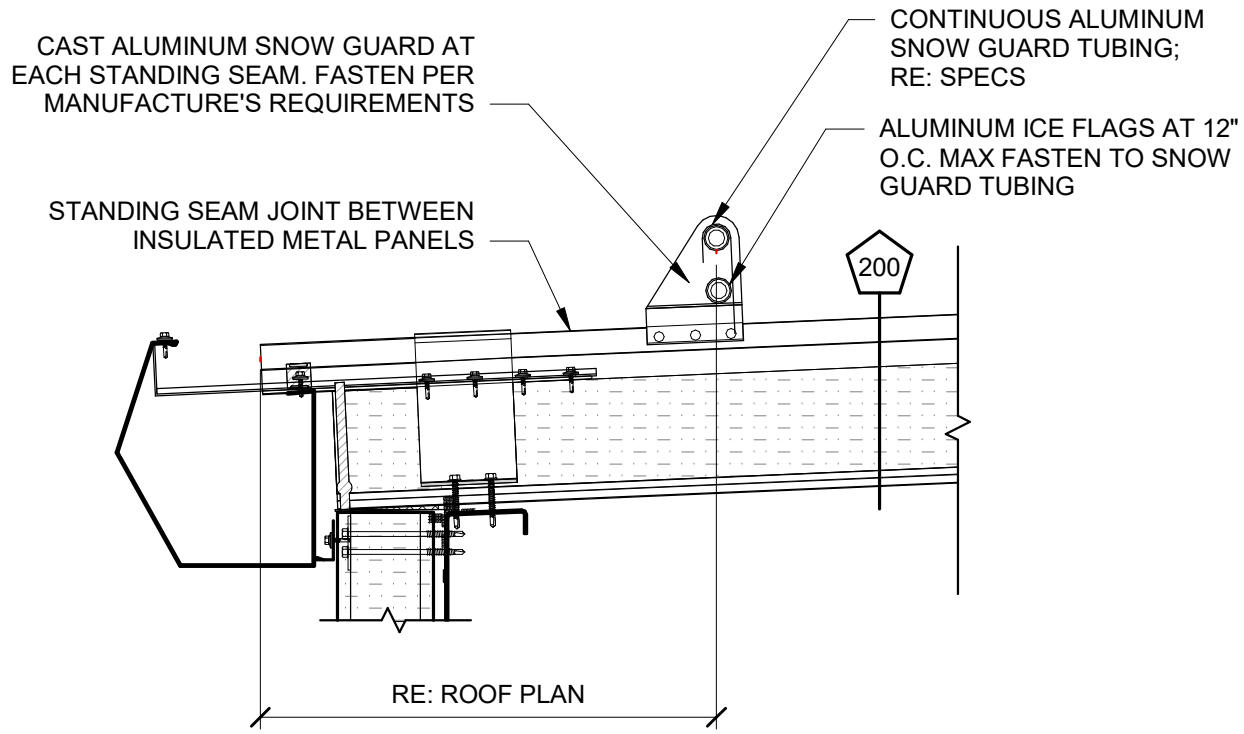
Contents

BUILDING SECTION

Project No.	6790	Drawing No.	SKA-2
Checked by	JRR		
Issued	09/27/24	Sheet	of



1 SKA-3 SNOW FENCE (SKA-3 ADDEN. #4)

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

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Contents

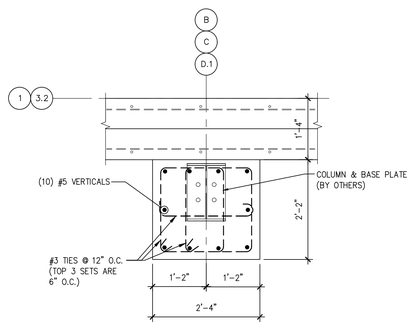
SNOW GUARD FENCE DETAIL

Project No.	6790
Checked by	JRR
Issued	09/27/24

Drawing No. SKA-3

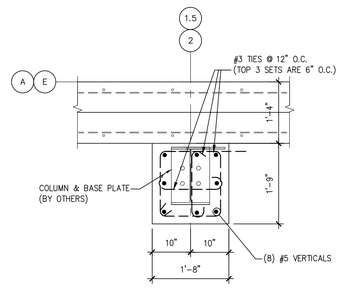
Sheet of

FOOTING SCHEDULE			
MARK	SIZE	THICKNESS	REINFORCING
F3	3'-0 x 3'-0	1'-0"	4-#5 EA. WAY
F4	4'-0 x 4'-0	1'-0"	5-#5 EA. WAY
F5	5'-0 x 5'-0	1'-0"	6-#5 EA. WAY
F6	6'-0 x 6'-0	1'-0"	7-#5 EA. WAY
F8	8'-0 x 8'-0	1'-0"	9-#5 EA. WAY



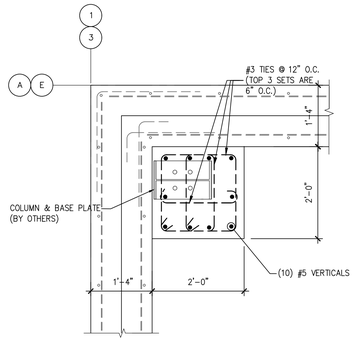
PIER "P1" DETAIL

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



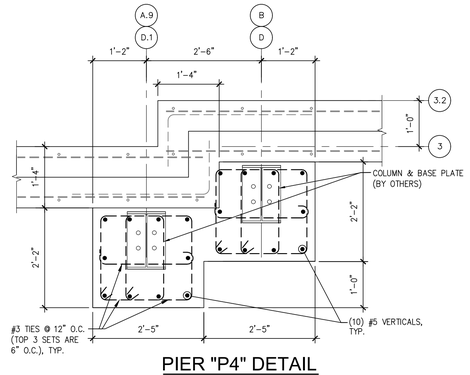
PIER "P2" DETAIL

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



PIER "P3" DETAIL

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



PIER "P4" DETAIL

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

FOUNDATION PLAN

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

NOTES:
1. FINISH FLOOR CALLED ELEV.= 0'-0"
2. ALL DIMENSIONS SHALL BE COORDINATED WITH ARCHITECT'S DRAWINGS
3. FOUNDATION MUST BE CHECKED FOR LOADS PROVIDED BY METAL BUILDING MANUFACTURER BEFORE CONSTRUCTION BEGINS.

XX'-XX" INDICATES TOP OF WALL AND SHELF ELEV.

[XX'-XX"] INDICATES BOTTOM OF FOOTING ELEV.

(S.J.) INDICATES SHRINKAGE CONTROL JOINT (SEE TYPICAL SLAB-ON-GRADE DETAIL)

MEZZANINE LEVEL FRAMING PLAN

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

NOTES:
1. MEZZANINE DESIGN LOADING:
   DL = 15 PSF
   SLAB = 43 PSF
   LL = 150 PSF
2. PEMB COLUMNS ON GRID LINE 1 SHALL BE DESIGNED TO SUPPORT MEZZANINE FRAMING

Certification

Drawn by AJG

Checked by JRM

Revised on

9/27/24 1 ADDENDUM 4

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Project

DEDHAM-WESTWOOD WATER DISTRICT

STORAGE FACILITY

50 ELM STREET
DEDHAM, MA 02026

Drawing Status

100% CONSTRUCTION DOCUMENTS

Issued On 8/20/2024

Sheet Contents

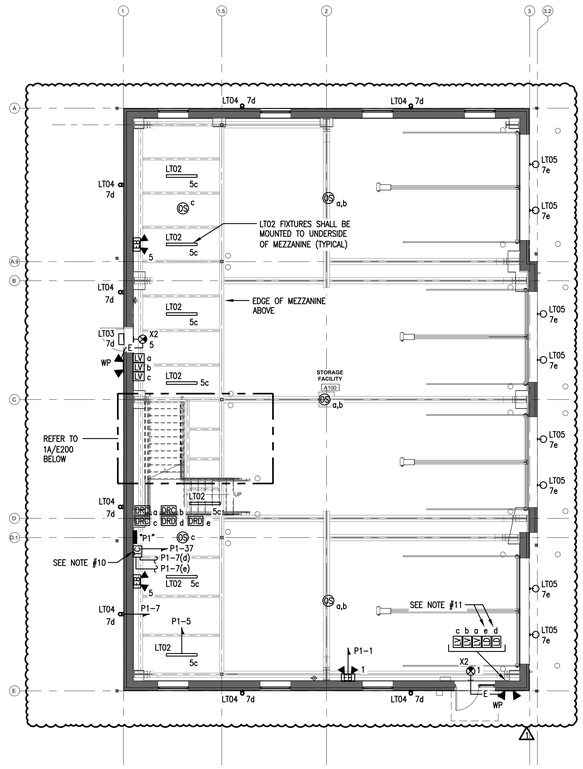
FOUNDATION PLAN AND MEZZANINE LEVEL FRAMING PLAN

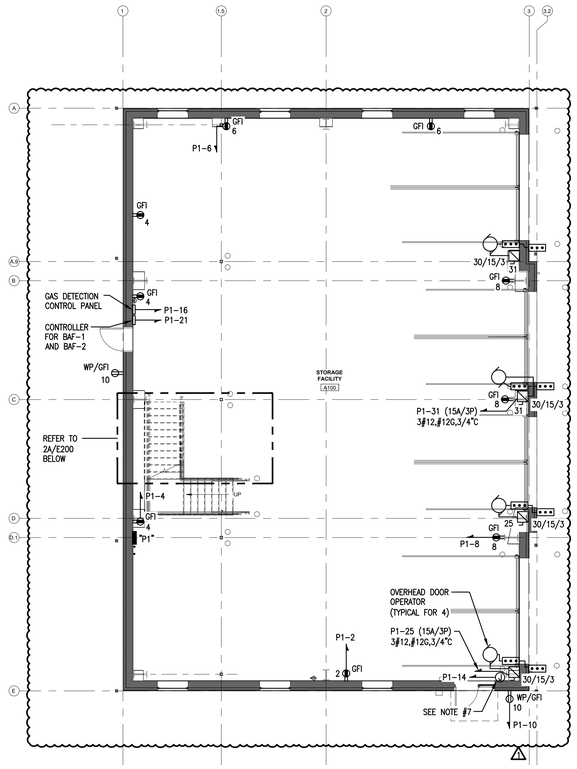
Project Number. 6790

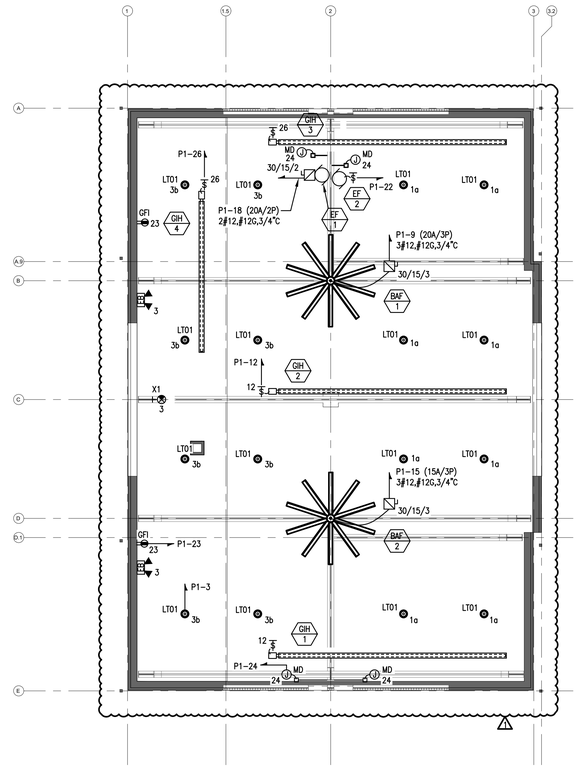
Drawing No.

S101

Sheet of

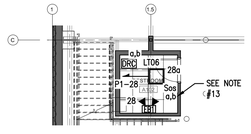






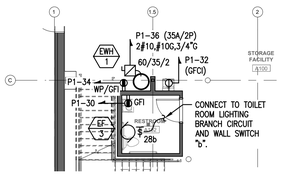
1 FIRST FLOOR LIGHTING PLAN

E200 Scale: 1/8" = 1'-0"



1A FIRST FLOOR LIGHTING PLAN

E200 Scale: 1/8" = 1'-0"



2A FIRST FLOOR POWER PLAN

E200 Scale: 1/8" = 1'-0"

2 FIRST FLOOR POWER PLAN

E200 Scale: 1/8" = 1'-0"

ELECTRICAL NOTES:

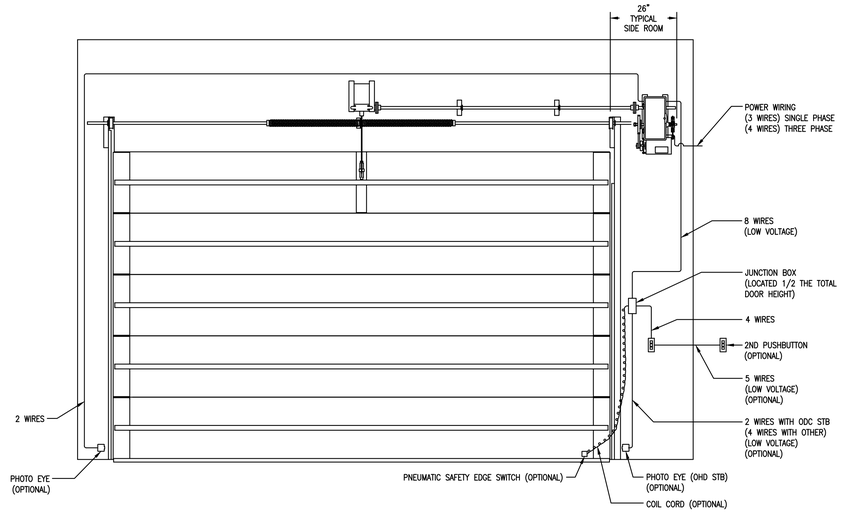
1. RECEPTACLES AND WALL SWITCHES LOCATED WITHIN THE GARAGE AND AT THE MEZZANINE SHALL BE SURFACE MOUNTED AND LOCATED AT 44" AFF UNLESS NOTED OTHERWISE. ALL RECEPTACLES SHALL BE GFCI TYPE. PROVIDE METAL OUTLET BOXES WITH STAINLESS STEEL FACEPLATES. WIRING SHALL BE PROVIDED IN EMT CONDUIT.
2. WALL AND CEILING MOUNTED ELECTRICAL DEVICES, FIXTURES, AND EQUIPMENT WITHIN THE BUILDING SHALL BE SURFACE MOUNTED. WIRING SHALL BE PROVIDED IN EMT CONDUIT. ALL OUTLET AND JUNCTION BOXES SHALL BE METAL WITH STAINLESS STEEL COVERS/FACEPLATES.
3. EXIT SIGNS AND EMERGENCY LIGHTING UNITS SHALL BE WIRED AHEAD OF LIGHTING CONTROLS.
4. ELECTRICAL SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL WIRING ASSOCIATED WITH OVERHEAD DOOR MOTORS/OPERATORS AND ALL ASSOCIATED ACCESSORIES. ALL WIRING SHALL BE PROVIDED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. CEILING FANS BAF-1 AND BAF-2 ARE EACH PROVIDED WITH A VFD BY THE MECHANICAL SUB-CONTRACTOR. THE ELECTRICAL SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND WIRING OF THE VFD'S AND PROVIDING CAT 5 WIRING FROM EACH VFD TO THE CONTROLLER. THE CONTROLLER SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL SUB-CONTRACTOR, WIRED BY THE ELECTRICAL SUB-CONTRACTOR. ALL WIRING SHALL BE PROVIDED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
6. GAS DETECTION SYSTEM CONTROL PANEL AND SENSORS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL SUB-CONTRACTOR, WIRED BY THE ELECTRICAL SUB-CONTRACTOR. ALL WIRING SHALL BE PROVIDED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
7. PROVIDE CONNECTION TO ELECTRONIC TRAP PRIMER. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH PLUMBING CONTRACTOR.
8. CONCRETE STRUCTURAL STEM WALL AT PERIMETER OF BUILDING EXTENDS TO 48" AFF. PROVIDE SUPPORT FRAME WITH PLYWOOD BACKBOARD AS REQUIRED FOR INSTALLATION OF PANELBOARD "P1".
9. LIGHTING CONTROL OCCUPANCY SENSORS SHALL BE MOUNTED TO BOTTOM OF STRUCTURAL STEEL.
10. PROVIDE 2-CIRCUIT ELECTRONIC TIME CLOCK FOR CONTROL OF EXTERIOR LIGHTING BRANCH CIRCUIT P1-7. (REFER TO DRAWING E100 FOR MODEL NUMBER). TIMECLOCK CIRCUIT #1 SHALL CONTROL SIDE AND REAR SCONCES "LT03" AND "LT04" ON DIMMING SWITCH "d". TIMECLOCK CIRCUIT #2 SHALL CONTROL FRONT SCONCES "LT05" ON DIMMING SWITCH "e". PROVIDE LABEL ON ENCLOSURE COVER INDICATING "EXTERIOR LIGHTS".
11. PROVIDE DIMMING WALL SWITCHES FOR CONTROL OF EXTERIOR WALL SCONCES. PROVIDE LABEL ON FACEPLATE OF EACH SWITCH TO INDICATE "SIDE/REAR LIGHTS" AND "FRONT LIGHTS".

12. OMITTED.

13. SWITCHES "a" (LIGHT) AND "b" (EF-3) SHALL BE PROGRAMMED FOR AUTO ON/AUTO OFF.

3 MEZZANINE LIGHTING & POWER PLAN

E200 Scale: 1/8" = 1'-0"



4 TYPICAL OVERHEAD DOOR WIRING DIAGRAM

E200 Scale: NOT TO SCALE

TYPICAL OVERHEAD DOOR WIRING DIAGRAM NOTES:

1. DETAIL SHOWN FOR GENERAL INFORMATION ONLY. OVERHEAD DOOR OPERATOR AND CONTROLS SHALL BE PROVIDED PER MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.

Certification

Drawn by SD

Checked by DC

Revised on

	(DATE)	(DESCRIPTION)
1	9/27/2024	ADDENDUM #4

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Architecture · Project Management · Interior Design

Project

DEDHAM-WESTWOOD WATER DISTRICT

STORAGE FACILITY

50 ELM STREET
DEDHAM, MA 02026

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Sheet Contents

ELECTRICAL LIGHTING AND POWER PLANS

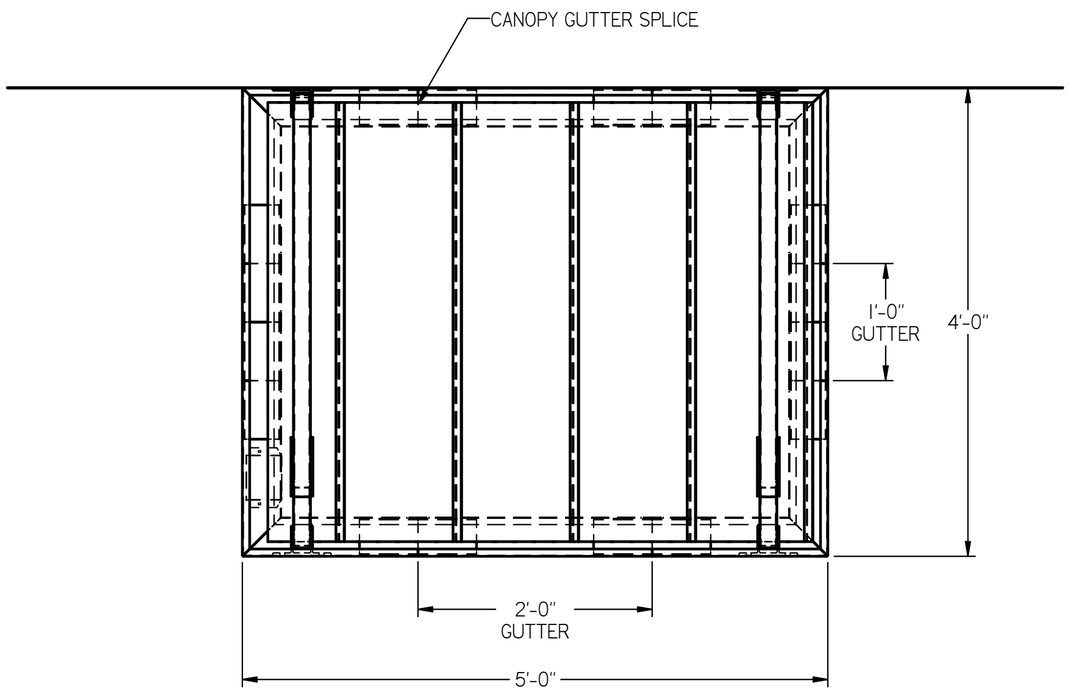
Project Number. 6790

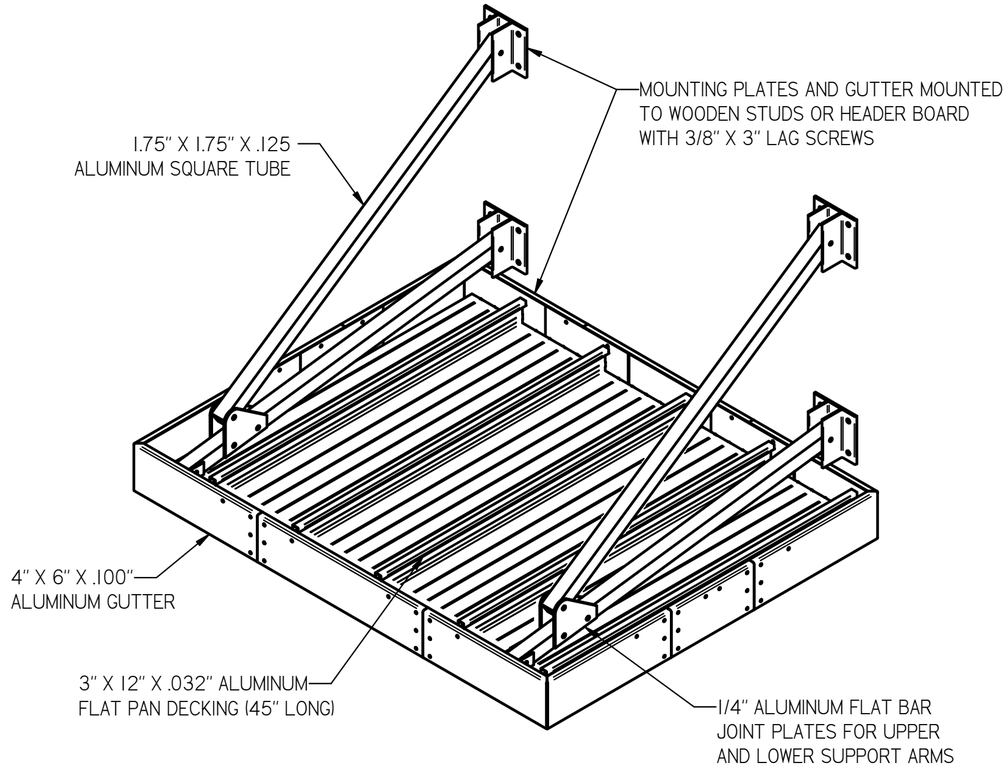
Drawing No. E200

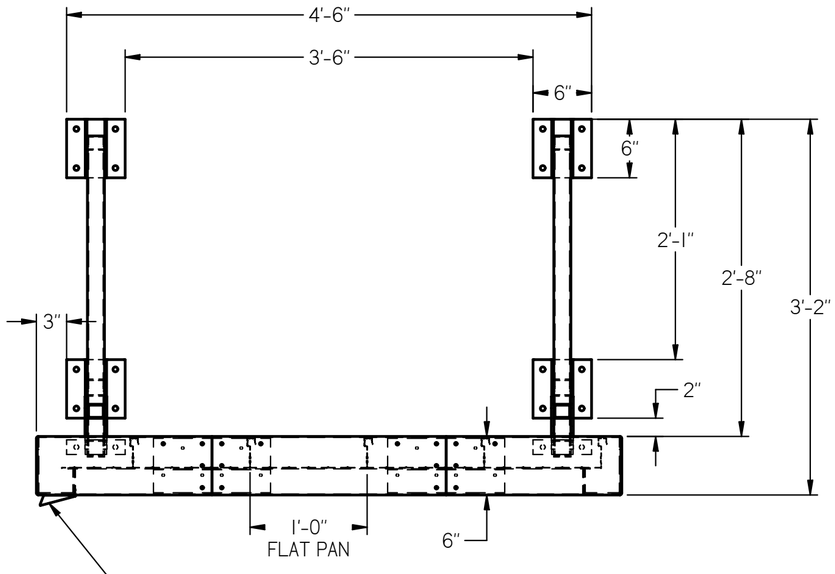
Sheet of

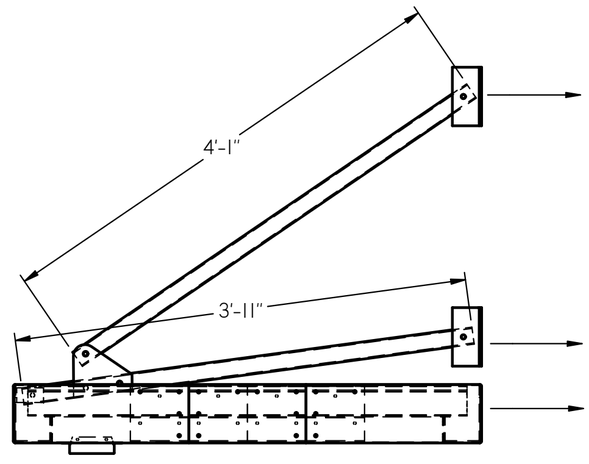
4' X 5' CANTILEVER CANOPY (WHITE)

QTY: 2









CANOPY MUST BE ANCHORED TO BUILDING THROUGH GUTTER FRAME AS WELL AS SUPPORT BRACKETS

NOTES:
1. CANOPY POWDER COATED WHITE.

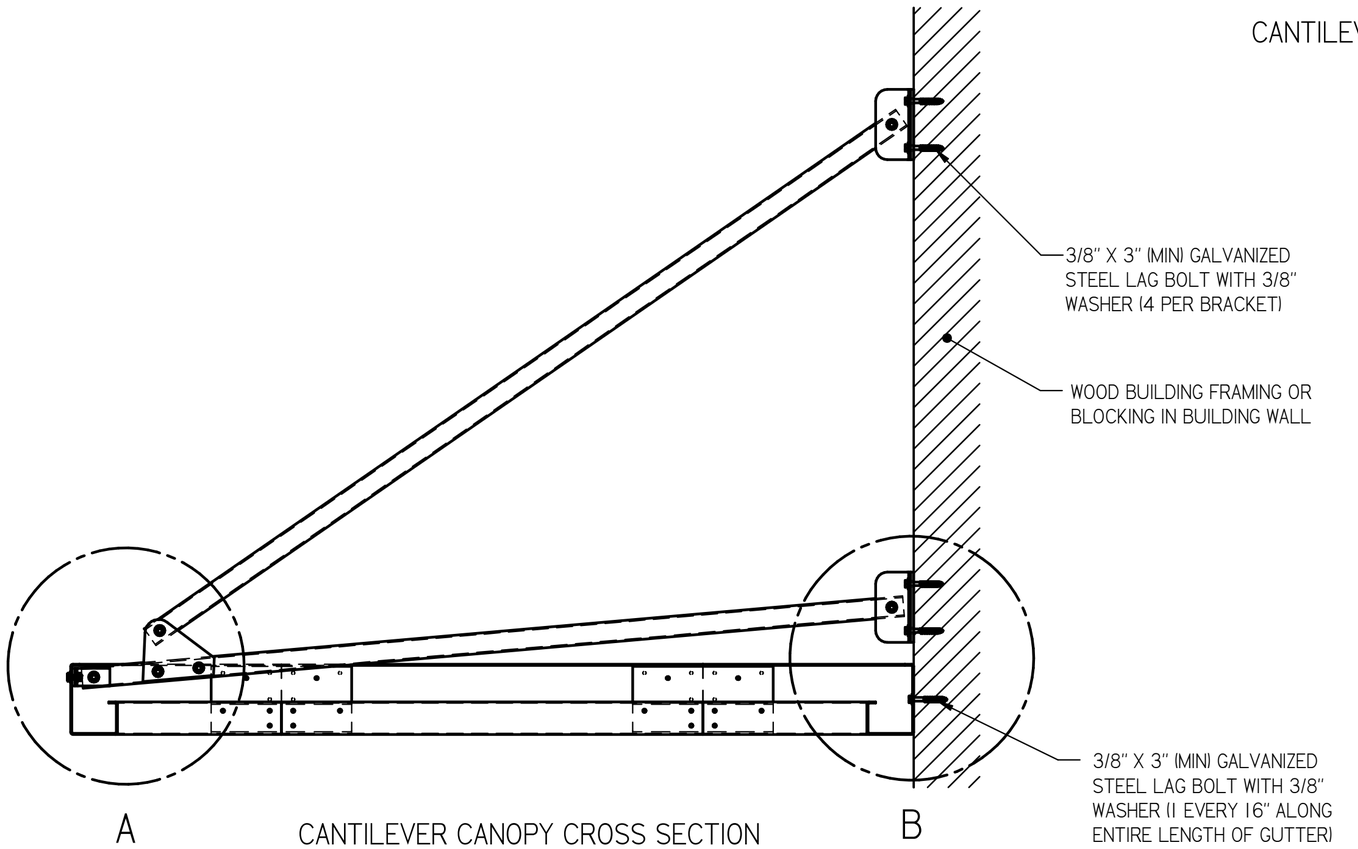
2. ALL ALUMINUM CONSTRUCTION WITH STAINLESS STEEL HARDWARE. LAG SCREWS OR WEDGE ANCHORS AND TEK SCREWS ARE GALVANIZED STEEL.

3. APPROXIMATE WEIGHT AS SHOWN: 80 LBS.

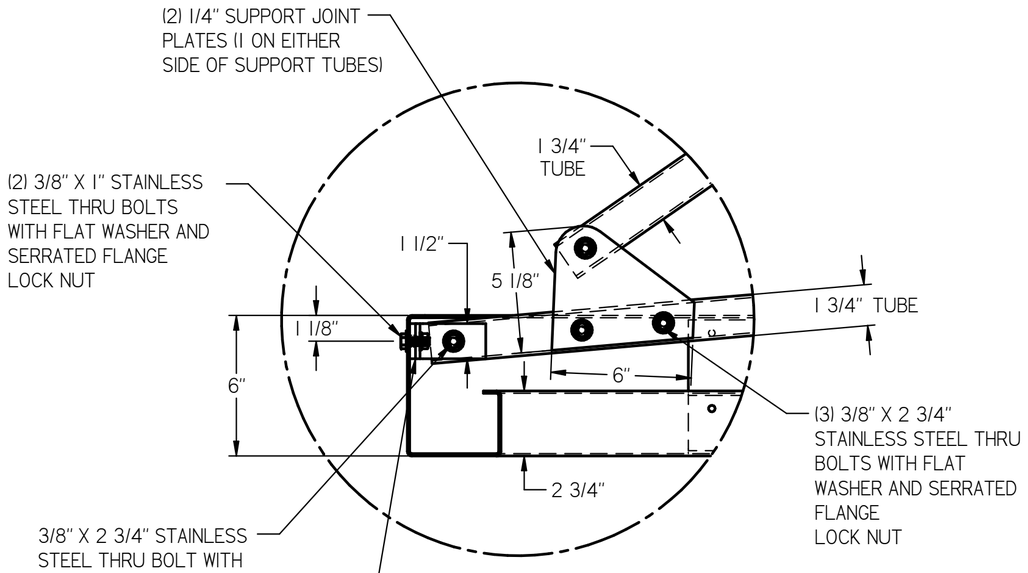
DWG #	[redacted]	UPSIDE INNOVATIONS LLC	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED; XXX ± 0.060" XXXX ± 0.015" ANGLES ± 1°
DATE	[redacted]	CINCINNATI, OHIO	DATE / BY / REV / REVISION DESCRIPTION
REVISION	--	WWW.UPSIDEINNOVATIONS.COM PHONE: (513) 889-2492 FAX: (513) 672-2124	
SCALE	1:12		
DRAWN	KJR		
CHECKED	SRF		
TITLE	[redacted]	SIZE C	

SHEET # 01

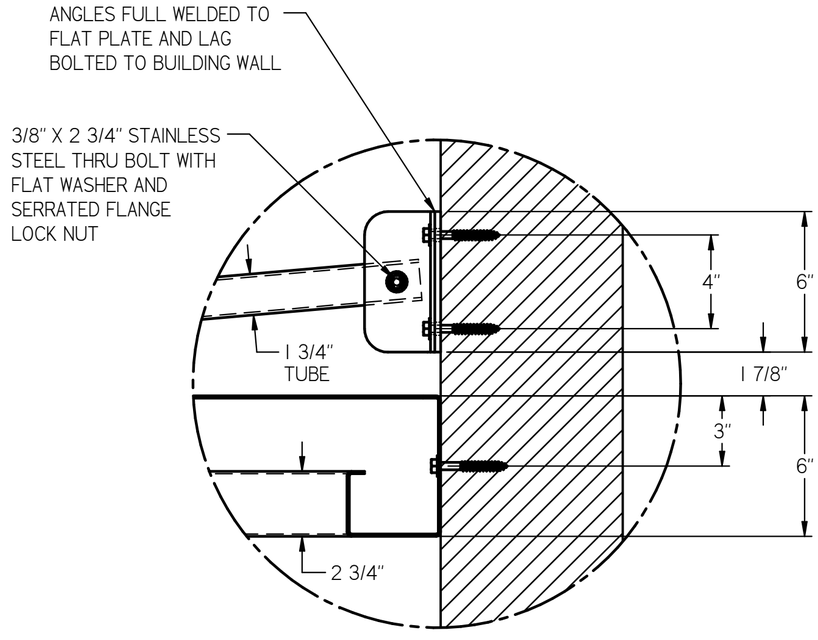
CANTILEVER CANOPY CONNECTION DETAILS



CANTILEVER CANOPY CROSS SECTION



DETAIL A



DETAIL B

DWG #	CNTLVR CONN
DATE	11/13/18
REVISION	--
SCALE	1:10
DRAWN	SRF
CHECKED	KRS

UPSIDE INNOVATIONS LLC
CINCINNATI, OHIO
WWW.UPSIDEINNOVATIONS.COM
PHONE: (513) 889-2492 FAX: (513) 672-2124

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED
XXX ± 0.060"
XXXX ± 0.015"
ANGLES ± 1°

DATE	BY	REV	REVISION DESCRIPTION

TITLE: CANTILEVER CANOPY CONNECTION DETAILS
SIZE: C

Upside Innovations, LLC
5470 Spellmire Dr.
West Chester, OH 45246
p: 513.889.2492 f: 513.672.2124

PREFABRICATED ALUMINUM OVERHEAD SUPPORTED CANOPY

PART 1 – GENERAL

1.1 References
1.1.1 International Building Code (IBC) for all applicable snow and wind load requirements.

1.2 Submittals
1.2.1 Shop Drawings: detailed shop drawings to be submitted upon receipt of purchase order including:
1.2.1.1 Overall layout dimensions
1.2.1.2 Footer layout drawings when requested
1.2.2 Warranty Statement must be submitted with bid.
1.2.3 Engineering: Professional Engineering sealed drawings to be submitted when requested.

1.3 Quality Assurance
1.3.1 Acceptable manufacturer: Upside Innovations, LLC, 5470 Spellmire Dr., West Chester, OH 45246. Phone: (513) 889-2492; Fax: (513) 672-2124 or a contract manufacturer as approved by the Upside Innovations, LLC, Supplier Quality Review process.
1.3.2 Aluminum welding will be in accordance with ANSI / AWS D1.2/D1.2M: 2008. Welding must be performed solely with Pulsed Gas Metal Arc Welding (Pulse-MIG) processes or Gas Tungsten Arc Welding (TIG) processes by experienced operators.
1.3.3 All exposed surfaces must be free of sharp or jagged surfaces.
1.3.4 Warranty: Upside Innovations, LLC warrants its products to be free from defects in material and workmanship for a period of one year beginning at the date of delivery of product. This warranty excludes any defects resulting from abnormal use in installation, service, accidental or intentional damage or any occurrences beyond the manufacturer's control.

1.4 Materials
1.4.1 Aluminum decking is constructed of 3004-H36 aluminum alloy or 6063-T6 mill finish with powder coating.
1.4.2 To attach the canopy to a building with wood blocking, use 3/8" galvanized steel lag bolts. To attach the canopy to a concrete or brick building, use 3/8" galvanized steel sleeve anchors.
1.4.3 To secure canopy decking to the gutter system, use #12 X 1" galvanized steel Tek Screws.
1.4.4 Available decking options consist of aluminum Extruded Flat Pan or Roll Formed Flat Pan.
1.4.5 All anchors and lag bolts are galvanized steel. All Tek screws are galvanized steel.
1.4.6 Silicone sealant must be applied to all gutter joints for a watertight seal.
1.4.7 White powder coating is standard. Custom colors are available upon request.

1.5 Engineering
1.5.1 Aluminum canopy system is designed in accordance with the International Building Code's snow and wind requirements.

PART 2 – PRODUCT COMPONENTS

2.1 Canopy Decking
2.1.1 The decking options are Extruded Flat Pan (3" X 6" X .065") or Roll Formed Flat Pan (2.5" X 12" X .032") and shall interlock together to create a leak-proof joint.
2.1.2 Decking panels must be attached to the inner flange of the gutters with (2) #12 X 1" Tek screws with neoprene washers at both ends.
2.1.3 Canopy decking is cut to custom lengths to accommodate the desired projection of the walkway canopy up to 5'.

2.2 Gutter System
2.2.1 All canopies are designed with an internal drainage system. The water is directed from the canopy decking into the gutter system that lines both sides of the canopy. A 2" – 3" drain hole will be

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drilled into the bottom of the gutter and a scupper plate will be installed to direct the water away from

2.2.2 Canopy gutter has a 6” fascia and is 4” wide with a thickness of 0.100”.

2.2.3 The gutter is cut to a specific length that is dependent on the canopy design.

2.2.4 Gutter sections are connected using a 12” long x 0.125” thick canopy gutter splice and (14) galvanized #12 Tek screws at each joint.

2.2.5 Gutter corners are made of 18” X 18” pre-welded aluminum corners and are connected to the gutters using 12” long x 0.125” thick gutter splices with (14) galvanized #12 Tek screws.

2.2.6 Canopy gutters that mount to a building utilize 3/8” lag bolts and flat washers every 18”.

2.2.7 When the canopy is designed with back-to-back gutters, the gutters must be connected using (2) 3/8” X 1” stainless steel bolts every 18”.

2.2.8 Scupper plates located on the sides of the canopy provide drainage out of the canopy gutter.

2.3 Overhead Support System

2.3.1 Canopy overhead support arms are constructed with 1-3/4” x 1-3/4” x 0.125” aluminum square tube and shall include both an upper and lower support arm.

2.3.2 Wall brackets will be constructed with aluminum angles used to connect and through-bolt into the support arms.

2.4 Fasteners

2.4.1 All framing fasteners shall be #12 x 1” galvanized steel tek screws with neoprene washers

2.4.2