ADDENDUM NO. 5
TO
CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS
FOR IMPROVEMENTS TO THE
ST. JOSEPH ROSECRANS MEMORIAL AIRPORT
ST. JOSEPH, MISSOURI
MODOT PROJECT NO. 22-012A-1

To All Bidders: You are requested to make all changes and/or additions contained in this addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal shall result in rejection of bid. Bidders are informed that the above referenced Questions with Corresponding Answers, Contract Documents, Specifications, and Plans are modified as follows as of December 7, 2022.

CONTRACT DOCUMENTS/SPECIFICATIONS/PLANS

Plans:

1. Plans

Sheet CD-101 Site Utility Demolition Plan

Revision: Removed Phase 2 Demolition from CD-101.

2. Plans

Sheet A-101, A-102, A-202, A-301, A-315, A-711, A-712

Revision: Removed glass half wall along outside patio.

Specifications:

3. Specifications

Revision: Added Division 28 20 00 Video Surveillance

Questions:

4. With the tempered laminated glass half wall along the outside patio being set into a reglet in the stone, could moisture accumulation at the base of the glass eventually degrade the PVB inner layer causing an appearance problem?

a) The half glass partition along the patio wall has been removed entirely. This can be seen in revised plans A-101, A-102, A-202, A-301, A-315, A-711, and A-712

5. On the plan sheet CD101 there is a note to remove three existing vault / manholes in one area and one more just to the north that house communications and airfield lighting. Sheet E300 (Inlay-3) has a note to install conduits and fiber cabling between the same three existing manholes.
Do these three vaults stay in place, remove, or get replaced with new vaults? One of the electrical vaults appears to be modern, the other three appear to be much older or of the composite type.

a) These manholes are not to be removed. A revised version of sheet CD-101 is included in this addendum.

6. Is there a specification or manufacturer for the equipment screen wall on the roof?

a) The B.O.D. or approved equal for the equipment screen wall on the roof is the Palmshield Asia Economic Horizontal Louver; powder coated black.

7. Is there any information or drawings for the existing Well Field that is to be removed?

a) Please see attached supplemental as-built Well Field Drawing information.

8. Is there a contact for American Panel Corporation that provided the shop drawings in the documents?

a) We do not have a specific American Panel Corporation contact for the project. Please contact them via their website.

9. Will temporary power and water be available? Will the owner bear the cost?

a) In Addendum 3 it was addressed there will be no temporary power available at the vault. There will be no temporary water at the vault either.

b) For the Terminal Building work, the contractor can use a hose spicket in the area for small amounts of water that they need. For large amounts of water as for dirt work, a contractor will need to provide their own water or get a water meter from Missouri American Water for a fire hydrant in the area.

c) For small loads; temporary use on an as needed basis, 120v power can be pulled from the existing building(s) with extension cords. Larger loads will be contractor responsibility.

10. The audio diagram on T-503 does call out a JBL part number for the mixer/amp, but there's no model for the speakers. The short description only calls out ceiling speakers, but the diagram and the systems plan sheet show wall-mounted speakers, 2 of which are apparently outdoors? Please provide model numbers for the speakers and media player; same for the surveillance camera system. If you could let us know that status of these 2 systems, it would be appreciated.

a) The B.O.D. or approved equal for the speakers at the patio and wall mounted above cloud are Fourjay Industries, Inc-AXCA537B; ceiling speakers in lay-in ceiling & Fourjay Industries, Inc-AXCR68W (with T570 transformer kit). For the surveillance camera system please reference the added Specification Division 28 20 00 Video Surveillance

11. On page E-350 of the plans and section L-130 of the specification, there is a request to provide an Airport Lighting Control Monitoring System. Can you please confirm whether the project is requesting an L-890 or an L-821 (Contactor Control Panel)?

a) It is an L-890. The requirements for the lighting control system are in the L-130 specification in the contract docs (starts on page 1208 of the PDF).

EXISTING WATER MAIN TO BE REMOVED

EXISTING STORM PIPE TO BE REMOVED

UNDERGROUND ELEC. TO BE ABANDONED IN PLACE

EXISTING ELECTRIC POLE TO BE REMOVED BY OTHERS

EXISTING BOLLARDS TO BE REMOVED

EXISTING LIGHT POLE TO BE REMOVED

CONTRACTOR TO PROTECT WATER MANHOLE, E CURB STOP AND PEDESTAL

EXISTING SAN. SEWER MAIN & MANHOLE TO BE REMOVED

PROTECT GAS LINE

PROTECT FIBER OPTIC POLE BOX

EXISTING SAN. SEWER MAIN

EXISTING SAN. SEWER MANHOLE TO BE REMOVED AND REPLACED. SERVICE TO EX. TERMINAL BLDG TO BE MAINTAINED.

CONTRACTOR TO PROTECT ALL UTILITIES IN WORK AREA

EXISTING SANITARY SEWER CLEANOUT TO BE REMOVED AND REPLACED. MAINTAIN EX. SANITARY SERVICE TO BLDG

EXISTING SAN. SEWER MAIN TO BE REMOVED

A AVE.

CONTRACTOR TO PROTECT ALL UTILITIES IN WORK AREA

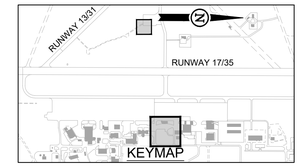
PROTECT FIBER OPTIC LINE

NOTE:
CONTRACTOR TO INSPECT EXISTING MANHOLE PRIOR TO REMOVAL OF MANHOLE AND PIPE. ANY EVIDENCE OF INFLOWS OR ENTERING PIPES SHALL BE COMMUNICATED TO THE ENGINEER FOR POSSIBLE DESIGN CHANGES.

EXISTING SAN. SEWER MANHOLE TO BE REMOVED

CONTRACTOR TO PROTECT EXISTING COMMUNICATIONS LINE

11TH ST.



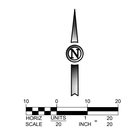
DEMOLITION LEGEND	
XXXXXX	MAINS, LINES & APPURTENANCES TO BE REMOVED
S	EXISTING SANITARY SEWER TO BE REMOVED
SCO	EXISTING SANITARY SEWER CLEANOUT TO BE REMOVED
	EXISTING ELECTRIC POLES TO BE REMOVED
EMH	EXISTING ELECTRIC MANHOLE TO BE REMOVED
	EXISTING TRANSFORMER TO BE REMOVED
HH	EXISTING ELECTRIC HANDHOLE TO BE REMOVED
	EXISTING BOLLARD HANDHOLE TO BE REMOVED
	EXISTING WATER VALVE TO BE REMOVED
	EXISTING WATER HYDRANT TO BE REMOVED
	EXISTING LIGHT POLE TO BE REMOVED

NOTES
(INFORMATIONAL)

UTILITY DEMOLITION QUANTITIES			
	ITEM	QUANTITY	
WATER	8" MAIN	300 LF	
	HYDRANT	1	
	APPURTENANCES	LS	
SANITARY	8" MAIN	751 LF	
	MANHOLES	3	
STORM	12" RCP	62 LF	
	15" CMP	24 LF	
	24" CMP	47 LF	

NOTE: OVERHEAD ELECTRIC AND POWER POLES REMOVED BY OTHERS

2 REISSUED ENTIRE SHEET



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CITY OF ST. JOSEPH, MISSOURI

TERMINAL BUILDING

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2	D.R.J.	12/05/2022	ADDENDUM NO. 5

ISSUED FOR BID

11/16/2022

NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: D.R.J., F.V., & F.Z.D. | CHECKED: C.L.G | APPROVED: M.J.L.

PROJECT NUMBER: **MODOT #22-012A-1**

SITE UTILITY DEMOLITION PLAN

CD101

Plotted 12/5/2022 @ 3:43 PM by: Wechmann, Joel
L:\ST\JSTJ - Terminal_ATCT_SRE_Vault\CADPLANS\010-ST\ATCT-CD101-UTIL-DEMO.dwg

GENERAL SHEET NOTES:

A. REFER TO A-003 SHEETS FOR PARTITION TYPES AND TYPICAL DETAILS.

B. ALL DIMENSIONS ARE FACE OF MASONRY, POURED CONCRETE, OR FACE OF METAL STUD.

C. PROVIDE WALL REINFORCING AT ALL WALL HUNG CASEWORK,FIXTURES, SPECIALTY EQUIPMENT, AND SHELVES. REFER TO TYPICAL PARTITION DETAILS, BACKING PLATE DETAILS.

D. PROVIDE FIRE EXTINGUISHERS COMPLYING WITH NFPA 10, AS INDICATED ON LIFE SAFETY DRAWINGS. WHERE CABINET TYPE IS INDICATED (FEC), PROVIDE FULLY-RECESSED TYPE.

E. ALL INTERIOR DOORS SHALL HAVE HINGE SIDE DIMENSION FROM INTERSECTING PARTITION TO DOOR FRAME EDGE OF 4" AT GYPSUM PARTITIONS, TYP. U.N.O

F. REFER TO SHEETS A-801 & A-802 FOR ALL FINISHES, FLOOR PATTERNS, WALL CORNER GUARD LOCATIONS, FURNITURE, WINDOW SHADES, AND SPECIALTY EQUIPMENT. PROVIDE WALL BACKING PLATES AS REQUIRED FOR WALL MOUNTED EQUIPMENT, MONITORS, CASEWORK, ECT.

G. REFER INTERIOR ELEVATIONS AND FINISHES, FIRE PROTECTION, ELECTRICAL, AND MECHANICAL DRAWINGS FOR MOUNTING HEIGHTS OF SWITCHES, OUTLETS ALARMS, AND ALL SURFACE MOUNTED COMPONENTS.

H. REFER TO A-801 INTERIORS FURNITURE PLAN FOR TV MONITOR SUPPORT BRACKET, MARKER BOARD AND LED CLOCK LOCATIONS.

I. COORDINATE WITH MECHANICAL-PLUMBING-ELECTRICAL DRAWNIGS FOR PLACEMENT OF ACCESS PANELS IN WALLS REQUIRED FOR ACCESS TO CONCEALED VALVES, EQUIPMENT, OR OTHER ITEMS NOT IDENTIFIED ON ARCHITECTURE DRAWINGS.

J. ALL FURNITURE, TV'S., POS SYSTEMS, SPECIALTY EQUIPMENT AND APPLIANCES, AND CASEWORK MOUNTED TO THE BUILDING WILL BE IN CONTRACT. ALL FREE MOVING FURNITURE WILL BE N.I.C.. SEE A-801 FURNITURE PLAN.

K. SEE ENLARGED KITCHEN PLAN A-412 FOR ALL KITCHEN INFORMATION.

L. ALL EXTERIOR CONCRETE SLABS TO HAVE MULTIPLE HARDENER TREATMENTS AND HAVE A BROOM FINISH. CONCRETE SLAB CONTROL JOINTS EVERY 10'-0" O.C.SEE STRUCTURAL.

M. SEE A-102 DIMENSION PLAN FOR KEYNOTES.

N. MASONRY CONTROL JOINTS NOT TO EXCEED 25'-4".

O. SEE A-531 FOR FRONT AND BACK PLANTER DETAILS.

SHEET KEYNOTES:

227 MOVABLE FURNITURE NOT IN CONTRACT

PLAN NORTH

GRAPHIC SCALE
1/4"=1'-0" 0 2' 4' 8' 12'

A1 OVERALL FIRST FLOOR PLAN
SCALE : 1/4" = 1'-0"

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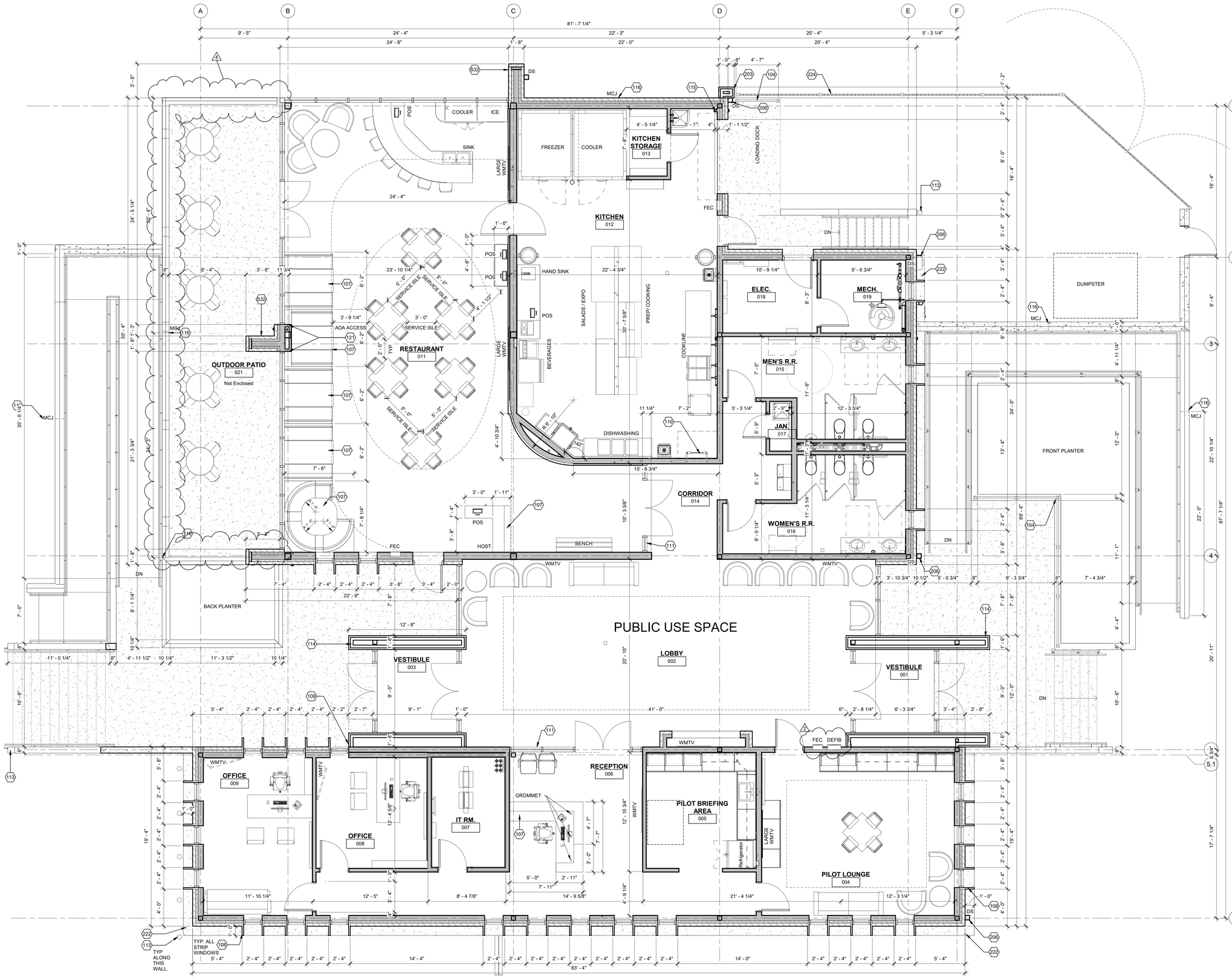
PROJECT NUMBER: MODOT #22-012A-1

OVERALL FIRST FLOOR ARCHITECTURAL PLAN

A-101

BIM 360://Jviation_ St.Joseph Airport/STJ_ADMIN BLDG_ARCH_R20.rvt
12/7/2022 11:03:27 AM
A-101 OVERALL FIRST FLOOR ARCHITECTURAL PLAN



A1 OVERALL FIRST FLOOR DIMENSION PLAN

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

GENERAL SHEET NOTES:

A. REFER TO A-003 SHEETS FOR PARTITION TYPES AND TYPICAL DETAILS.

B. ALL DIMENSIONS ARE FACE OF MASONRY, POURED CONCRETE, OR FACE OF METAL STUD.

C. PROVIDE WALL REINFORCING AT ALL WALL HUNG CASEWORK,FIXTURES, SPECIALTY EQUIPMENT, AND SHELVES, REFER TO TYPICAL PARTITION DETAILS, BACKING PLATE DETAILS.

D. PROVIDE FIRE EXTINGUISHERS COMPLYING WITH NFPA 10, AS INDICATED ON LIFE SAFETY DRAWINGS. WHERE CABINET TYPE IS INDICATED (FEC), PROVIDE FULLY-RECESSED TYPE.

E. ALL INTERIOR DOORS SHALL HAVE HINGE SIDE DIMENSION FROM INTERSECTING PARTITION TO DOOR FRAME EDGE OF 4" AT GYPSUM PARTITIONS, TYP. U.N.O

F. REFER TO SHEETS A-801 & A-802 FOR ALL FINISHES, FLOOR PATTERNS, WALL CORNER GUARD LOCATIONS, FURNITURE, WINDOW SHADES, AND SPECIALTY EQUIPMENT. PROVIDE WALL BACKING PLATES AS REQUIRED FOR WALL MOUNTED EQUIPMENT, MONITORS, CASEWORK, ECT.

G. REFER INTERIOR ELEVATIONS AND FINISHES, FIRE PROTECTION, ELECTRICAL, AND MECHANICAL DRAWINGS FOR MOUNTING HEIGHTS OF SWITCHES, OUTLETS ALARMS, AND ALL SURFACE MOUNTED COMPONENTS.

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K. SEE ENLARGED KITCHEN PLAN A-412 FOR ALL KITCHEN INFORMATION.

L. ALL EXTERIOR CONCRETE SLABS TO HAVE MULTIPLE HARDENER TREATMENTS AND HAVE A BROOM FINISH. CONCRETE SLAB CONTROL JOINTS EVERY 10'-0" O.C.SEE STRUCTURAL.

M. SEE A-102 DIMENSION PLAN FOR KEYNOTES.

N. MASONRY CONTROL JOINTS NOT TO EXCEED 25'-4".

O. SEE A-531 FOR FRONT AND BACK PLANTER DETAILS.

SHEET KEYNOTES:

104 RAILING - BASIS OF DESIGN – VIEWRAIL ONYX ROD RAILING SYSTEMS – PRODUCT: ONYX 1/4 STAINLESS STEEL ROD RAILING – OR APPROVED EQUAL OR APPROVED EQUAL FABRICATION FROM CONTRACTOR. SEE A-711 TO A-713 STAIR AND RAMP DETAILS.

107 BUILT-IN CASEWORK. SEE CASEWORK DETAILS. SEE FINISH SCHEDULE.

108 WINDOW FIN AT ALL LONG VERTICAL STRIP WINDOWS TO BE EMBEDDED IN CONCRETE LIP EXTENDED UP AND FASTENED TO SOFFITS AT ROOFS. SEE DETAILS. SEE ELEVATIONS. TYP.

109 NO WINDOW FIN ON THIS SIDE OF THIS WINDOW AT METAL PANEL ENTRANCE FEATURE.

110 ROOF LADDER HATCH. SEE ROOF PLAN. SEE ROOF DETAILS.

111 6" METAL STUD 1 HR FIRE WALL W/ GYP. ON BOTH SIDES ABOVE STOREFRONT TO EXTEND TO DECK.

113 9" DIA. BOLLARD

114 METAL PANEL AT ENTRANCE FEATURES (COLOR BLACK ANODIZED). FASTENED OVER WEATHER BARRIER, 2" RIGID INSULATION, AND INTO 3/4" EXT. GRADE PLYWOOD / METAL STUD FRAMING W/ BATT INSULATION.

115 2 1/2" METAL STUD FRAMING WITH BATT INSULATION, 5/8" MOISTURE RATED GYP. AND FRP. PANELS AROUND HOSE BIB PIPING.

116 MCJ. MASONRY CONTROL JOINT.

121 2 1/2" METAL STUD FRAME OUT WITH BATT INSULATION AND 5/8" GYP ON ONE SIDE AROUND HOSE BIB AND COLUMN UP TO EDGES OF WINDOW MULLIONS. RUN GYP. PAST COLUMN. UP TO 9' HIGH. CONT. SEALANT ALL EDGES.

203 EXTRUDED METAL PANEL WRAPPED FRAME DETAIL. METAL PANEL OVER WEATHER BARRIER, 3/4" PLYWOOD AND FRAMED W /METAL STUDS W/ BATT INSULATION FASTENED TO STRUCTURE. METAL PANEL TO EXTEND AND WRAP BACK TO MASONRY.

206 6" X 6" BLACK ANODIZED METAL DOWNSPOUT W/ CAST IRON BLACK METAL BOOT DOWN INTO UNDERGROUND STORMWATER SYSTEM. DOWNSPOUT TO PENETRATE CONCRETE LIP WHERE APPLICABLE.

222 CAST IN PLACE CONCRETE PLATFORM W/ EXTENDED LIP AT WINDOW FINS WHERE APPLICABLE. ALL VERTICAL EXTERIOR CAST IN PLACE CONCRETE WALLS TO BE BOARD FORMED W/ 6" VERTICAL WOOD STUDS. SEE PLAN.

224 LOADING DOCK AREA GATE AND FENCE. SEE A-203.

S32 EXTERIOR PIER WALL. UNIT MASONRY VENEER W/ 5/8" AIR GAP, WEATHER BARRIER ON 2" RIGID INSULATION OVER 3/4" EXT. GRADE PLYWOOD OVER 6" METAL STUDS W/ BATT INSULATION. THEN OTHER SIDE SAME CONSTRUCTION 3/4" EXT. PLYWOOD, 2" RIGID INSULATION, WEATHER BARRIER, 5/8" AIR GAP AND UNIT MASONRY VENEER.

PLAN NORTH

GRAPHIC SCALE

1/4"=1'-0" 0 2' 4' 8' 12'

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FOR AND ON BEHALF OF JVIATION, INC.

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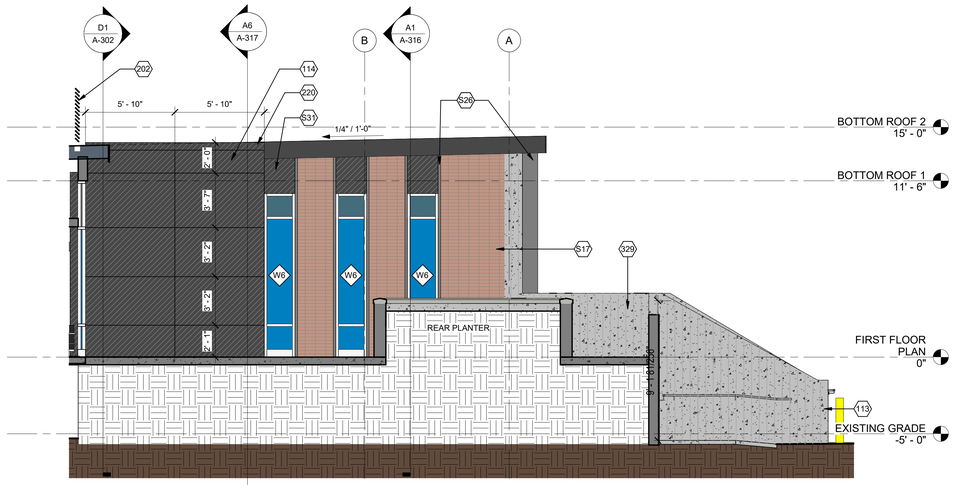
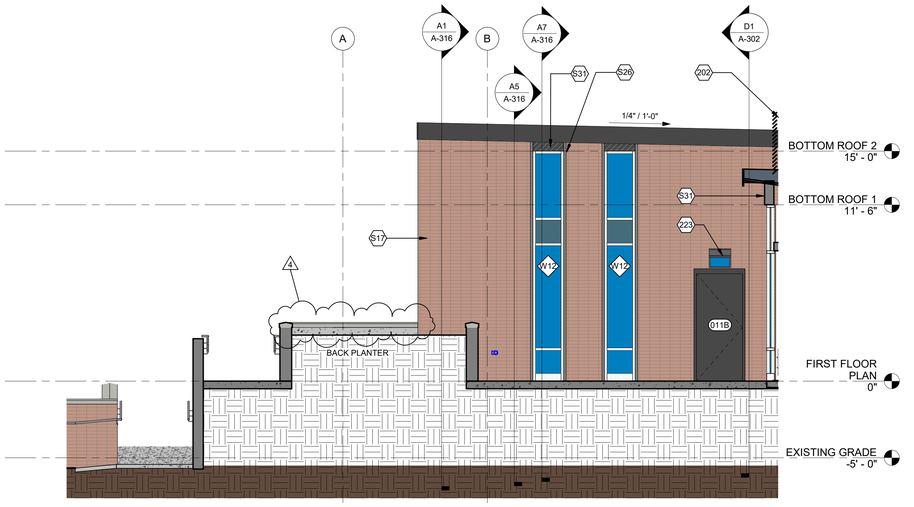
OVERALL FIRST FLOOR DIMENSION PLAN

A-102



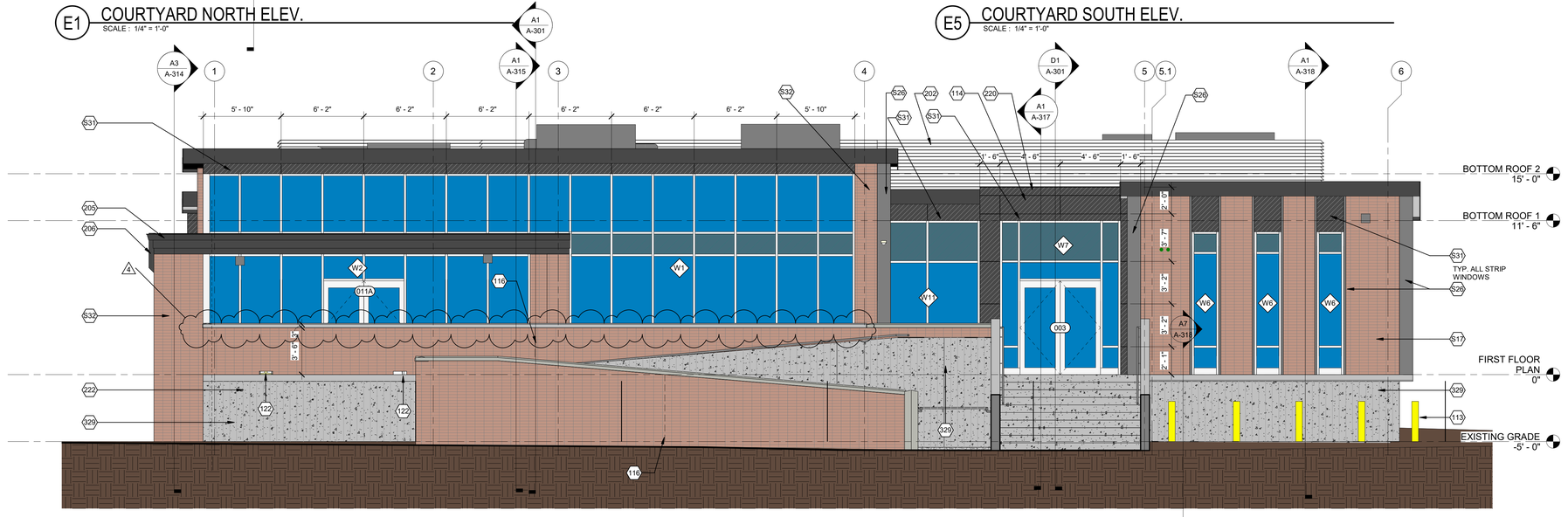
E1 COURTYARD NORTH ELEV.

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



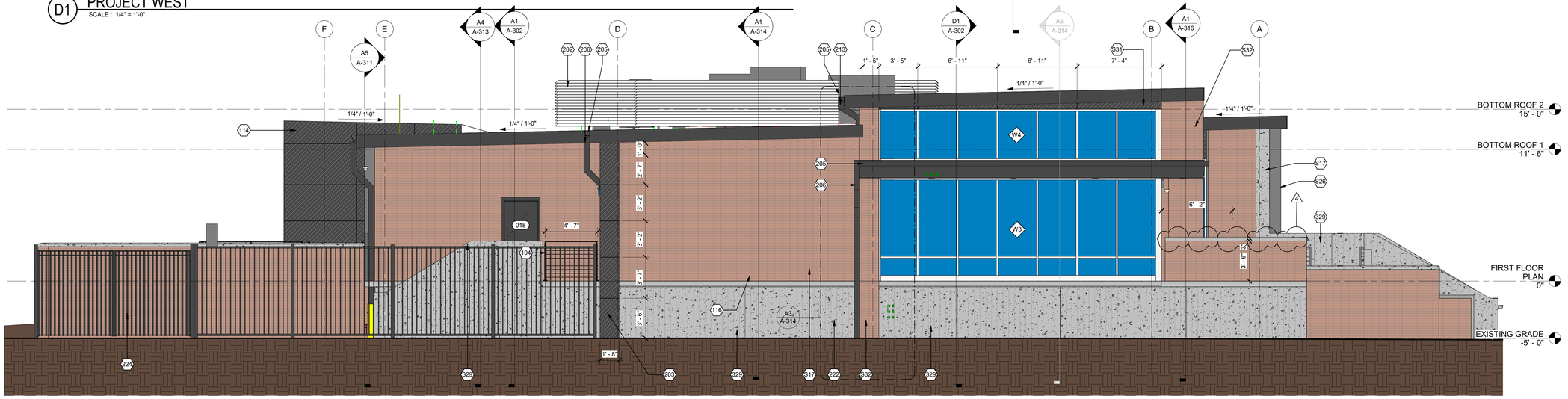
E5 COURTYARD SOUTH ELEV.

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



D1 PROJECT WEST

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



A1 PROJECT NORTH

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

GRAPHIC SCALE

1/4"=1'-0" 0 2' 4' 8' 12'

GENERAL SHEET NOTES:

A. SEE STAIR & RAMP RAILING DRAWINGS A-711 - A-713 FOR ALL RAILING INFORMATION AND ADJACENT EXTERIOR SITE WALL INFORMATION. SEE WALL SECTIONS.

SHEET KEYNOTES:

104 RAILING - BASIS OF DESIGN – VIEWRAIL ONYX ROD RAILING SYSTEMS – PRODUCT: ONYX 1/4 STAINLESS STEEL ROD RAILING – OR APPROVED EQUAL OR APPROVED EQUAL FABRICATION FROM CONTRACTOR SEE A-711 TO A-713 STAIR AND RAMP DETAILS.

113 9" DIA. BOLLARD

114 METAL PANEL AT ENTRANCE FEATURES (COLOR BLACK ANODIZED). FASTENED OVER WEATHER BARRIER, 2" RIGID INSULATION, AND INTO 3/4" EXT. GRADE PLYWOOD / METAL STUD FRAMING W/ BATT INSULATION.

116 MCJ. MASONRY CONTROL JOINT.

122 SCUPPER IN MASONRY/CONCRETE EXTERIOR WALL AT SLAB LEVEL. ALL EXTERIOR SLABS TO SLOPE AWAY FROM BUILDING TOWARDS SCUPPERS.

202 ROOFTOP HORIZONTAL LOUVERED MECHANICAL SCREEN WALL, FINISH TO BE ANODIZED ALUMINUM. STRUCTURAL STEEL POSTS TO BE RECEIVE PIPE BOOT FLASHING DETAIL AND BE FASTENED TO INTERIOR STRUCTURAL STEEL. LOUVERED STRUCTURAL STEEL TO BE PAINTED SILVER. SEE STRUCTURAL.

203 EXTRUDED METAL PANEL WRAPPED FRAME DETAIL. METAL PANEL OVER WEATHER BARRIER, 3/4" PLYWOOD AND FRAMED W /METAL STUDS W/ BATT INSULATION FASTENED TO STRUCTURE. METAL PANEL TO EXTEND AND WRAP BACK TO MASONRY.

205 6" X 6" BLACK ANODIZED METAL GUTTER

206 6" X 6" BLACK ANODIZED METAL DOWNSPOUT W/ CAST IRON BLACK METAL BOOT DOWN INTO UNDERGROUND STORMWATER SYSTEM. DOWNSPOUT TO PENETRATE CONCRETE LIP WHERE APPLICABLE.

213 6" X 6" BLACK ANODIZED METAL DOWNSPOUT FROM UPPER ROOF DOWN ONTO LOWER ROOF. DOWNSPOUT FASTENED ADJACENT MASONRY WALL.

220 FAUX EXTENDED PARAPET AT BACK ENTRANCE FEATURE WITH BUILT-UP WOOD NAILERS AND ROOF MEMBRANE EXTENDING UP UNDER BLACK METAL COPING AND ONTO ADJACENT ROOF MEMBRANE. METAL PANEL TO EXTEND UP UNDER METAL COPING WHERE APPLICABLE. CONT. SEALANT AND FLASHING AT ALL EDGES. SEE WALL SECTIONS.

222 CAST IN PLACE CONCRETE PLATFORM W/ EXTENDED LIP AT WINDOW FINS WHERE APPLICABLE. ALL VERTICAL EXTERIOR CAST IN PLACE CONCRETE WALLS TO BE BOARD FORMED W/ 6" VERTICAL WOOD STUDS. SEE PLAN.

223 EXT. LIGHTS ABOVE EXTERIOR DOORS. SEE ELEC.

224 LOADING DOCK AREA GATE AND FENCE. SEE A-203.

329 EXTERIOR CONCRETE FINISH VERTICAL GRAIN BOARD FORM EVERY 6" TYP.

S17 UNIT MASONRY VENEER STACKED STYLE, W/ 1" AIR GAP, WEATHER BARRIER ON 2" RIGID INSULATION OVER 3/4" EXT. GRADE PLYWOOD OVER 6" METAL STUDS W/ BATT INSULATION AND INTERIOR 5/8" GYPSUM BOARD FINISH.

S26 2" METAL WINDOW FIN TO EXTEND DOWN INTO SLOPED CONCRETE SLAB LIP AND UP INTO METAL SOFFIT. CONT. SEALANT AND FLASHING ALL LOCATIONS AND EDGES. TO BE FASTENED TO COVER WEATHER BARRIER, RIGID INSULATION AND INTO PLYWOOD/FRAMING. TYP. ALL VERTICAL STRIP WINDOWS.

S31 COMPOSITE METAL PANEL INFILL ABOVE WINDOWS BETWEEN FINS UP TO ROOF SOFFIT (COLOR BLACK ANODIZED). FASTENED OVER WEATHER BARRIER, 2" RIGID INSULATION, AND INTO 3/4" EXT. GRADE PLYWOOD / METAL STUD FRAMING.

S32 EXTERIOR PIER WALL. UNIT MASONRY VENEER W/" 5/8" AIR GAP, WEATHER BARRIER ON 2" RIGID INSULATION OVER 3/4" EXT. GRADE PLYWOOD OVER 6" METAL STUDS W/ BATT INSULATION. THEN OTHER SIDE SAME CONSTRUCTION 3/4" EXT. PLYWOOD, 2" RIGID INSULATION, WEATHER BARRIER, 5/8" AIR GAP AND UNIT MASONRY VENEER.

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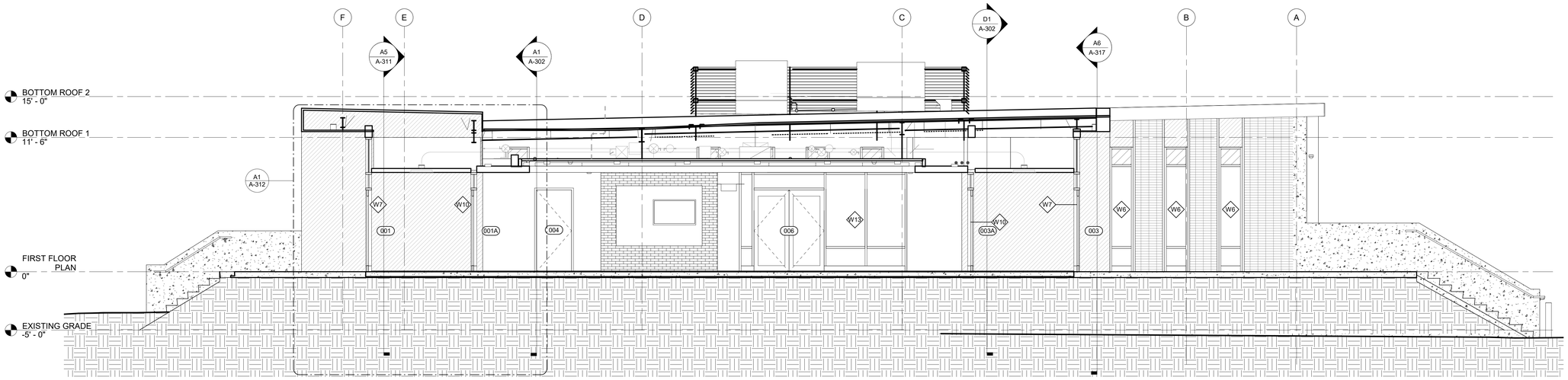
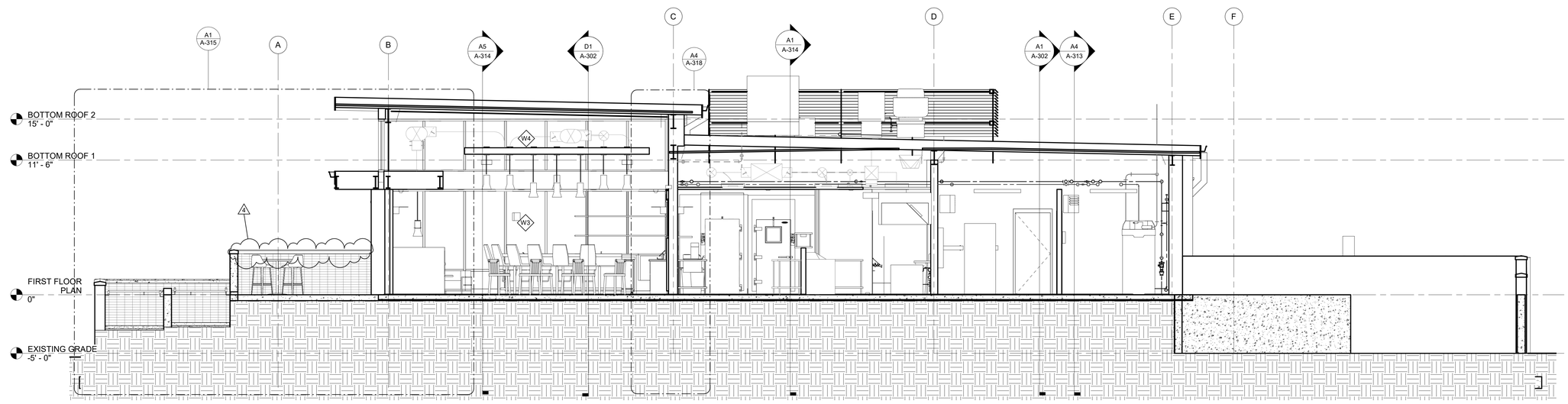
BUILDING ELEVATIONS

A-202



D1 EAST/WEST BUILDING SECTION

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



A1 EAST/WEST BUILDING SECTION

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

GRAPHIC SCALE

1/4"=1'-0" 0 2' 4' 8' 12'

ROSECRANS MEMORIAL
AIRPORT
CITY OF ST. JOSEPH, MISSOURI

TERMINAL BUILDING

JVIATION
A WOOLPERT COMPANY

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A PROJECT FOR:
ROSECRANS MEMORIAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	A.J.R.	11/16/2022	ISSUED FOR BID
4	A.J.R.	12/07/2022	ADDENDUM NO. 5

ISSUED FOR BID

11/16/2022

NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: JBW CHECKED: AJR APPROVED: AJR

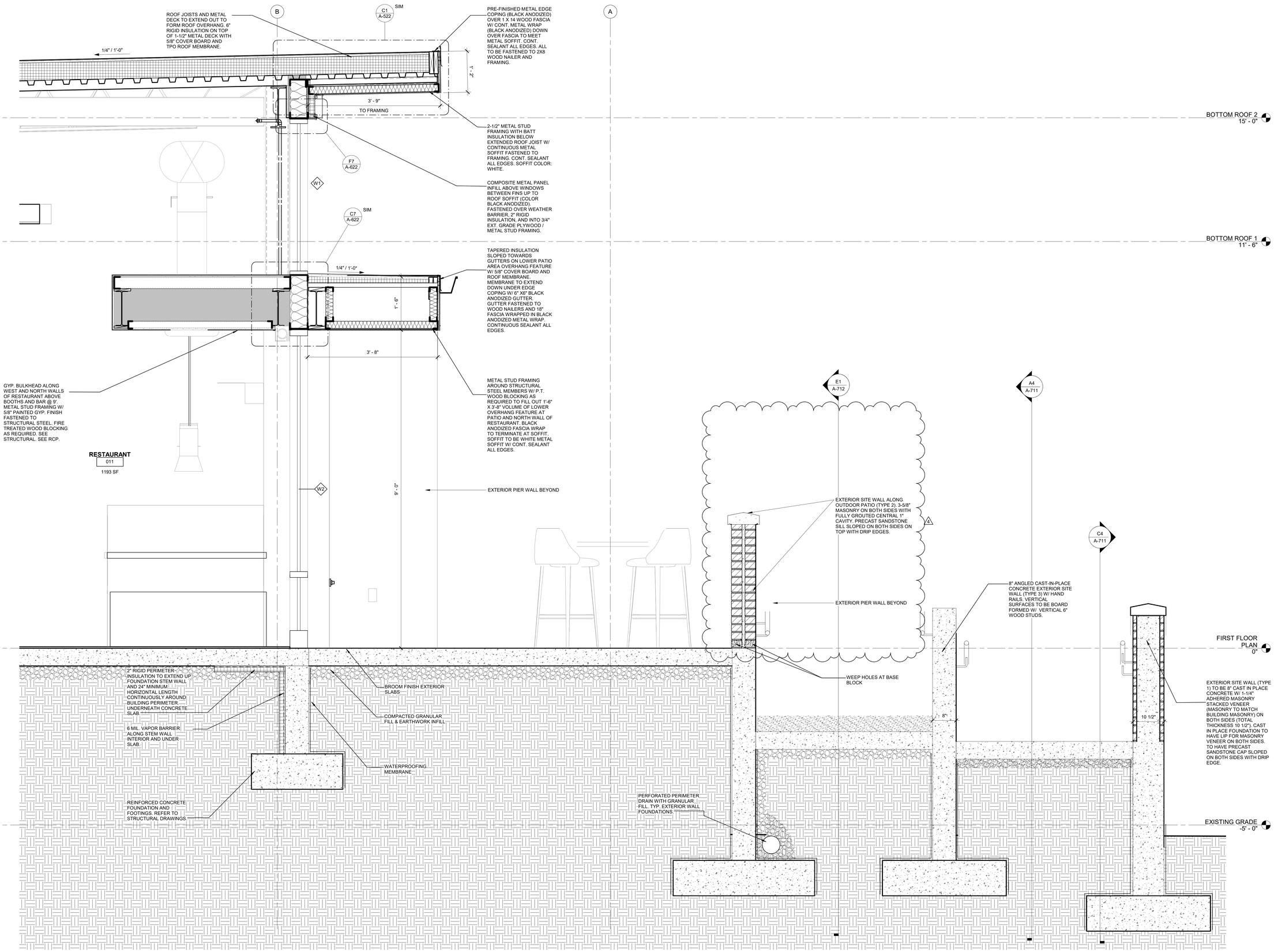
PROJECT NUMBER: MODOT #22-012A-1

BUILDING SECTIONS

A-301

12/7/2022 11:04:27 AM BIM 360://jviation_ St.Joseph Airport/STJ_ADMIN BLDG_ARCH_R20.rvt

A-301 BUILDING SECTIONS



A1 WALL SECTION
SCALE : 1" = 1'-0"

GRAPHIC SCALE
1"=1'-0" 0 3" 6" 9" 1' 2' 3'

ROSECRANS MEMORIAL AIRPORT
CITY OF ST. JOSEPH, MISSOURI

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ISSUED FOR BID

11/16/2022
NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

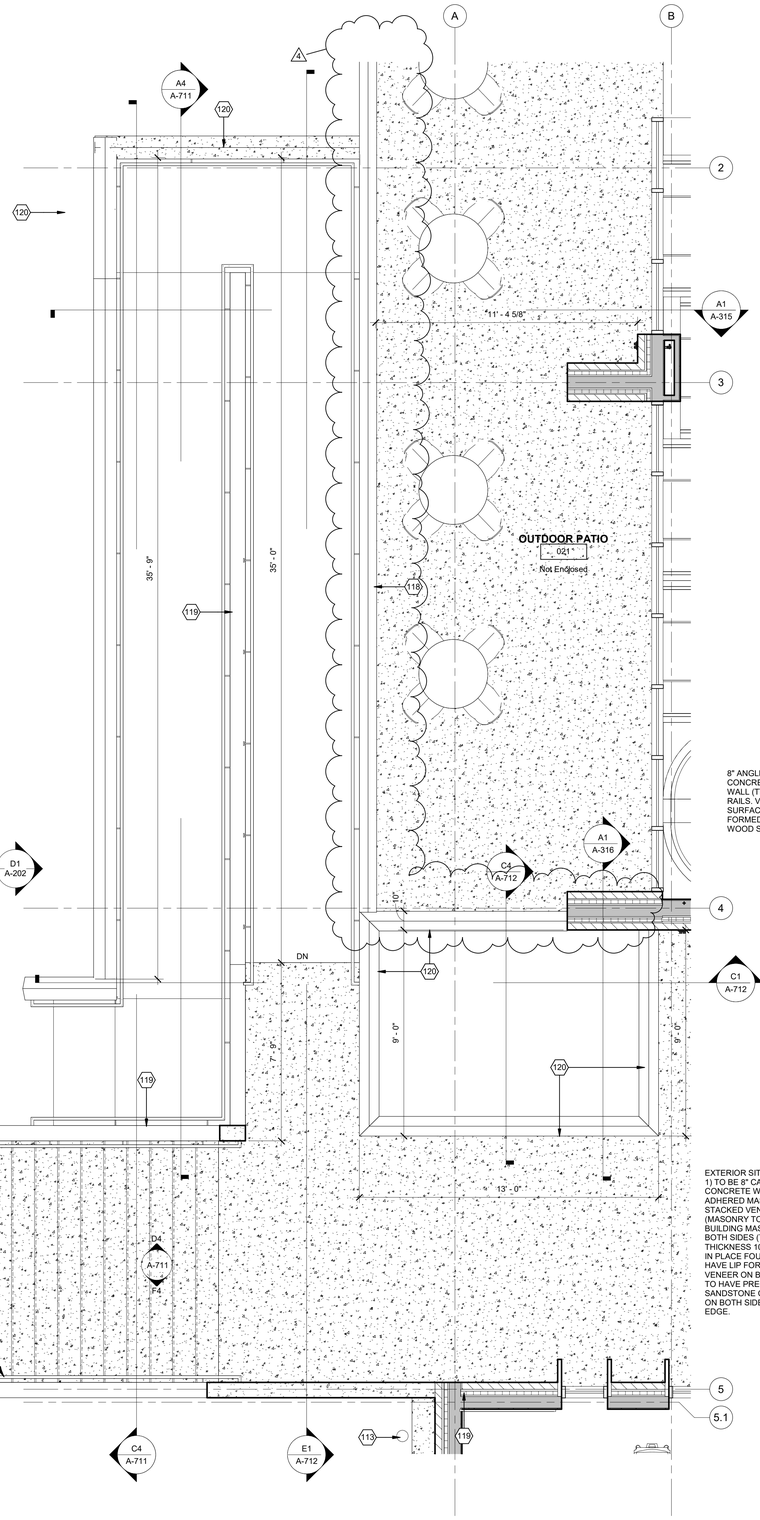
DRAWN: JBW CHECKED: AJR APPROVED: AJR

PROJECT NUMBER: **MODOT #22-012A-1**

WALL SECTIONS

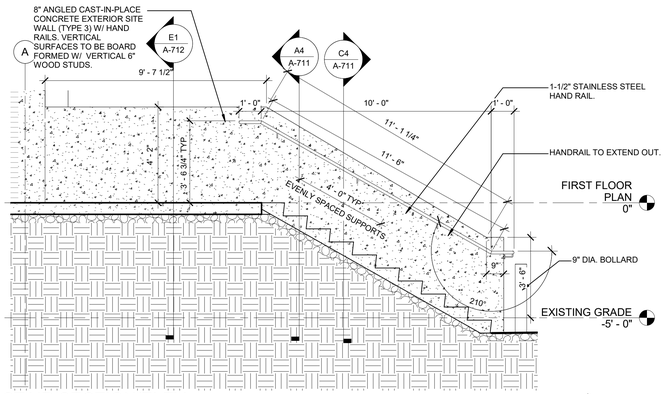
A-315

BIM 360://Jviation_ St Joseph Airport/STJ_ADMIN BLDG_ARCH_R20.rvt
12/7/2022 11:04:35 AM
A-315 WALL SECTIONS



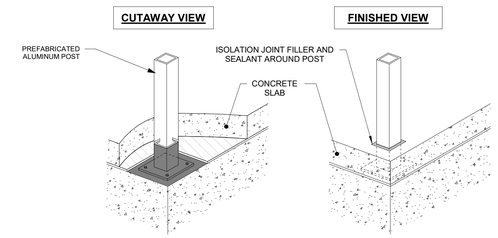
A1 ENLARGED BACK RAMP & STAIR PLAN

SCALE : 3/8" = 1'-0"



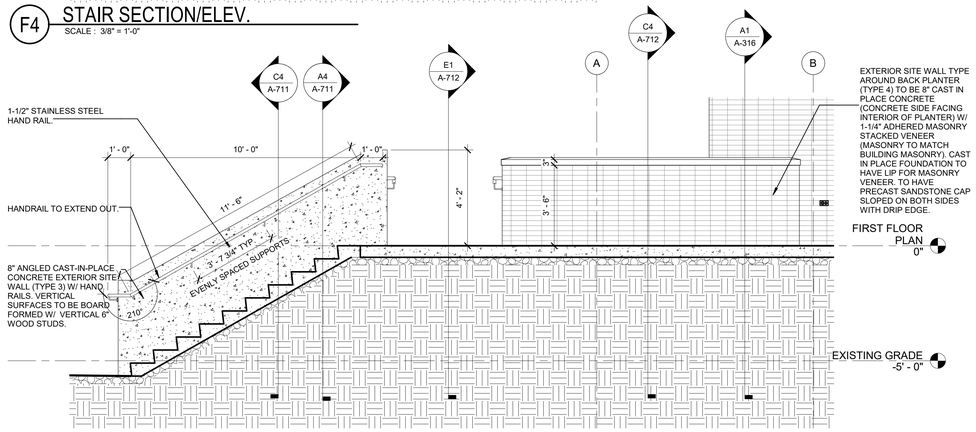
F4 STAIR SECTION/ELEV.

SCALE : 3/8" = 1'-0"



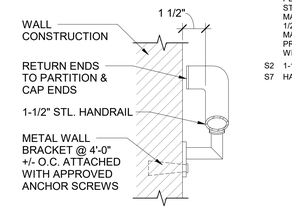
F7 TYP. GAURD/HANDRAIL BASE DTL.

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



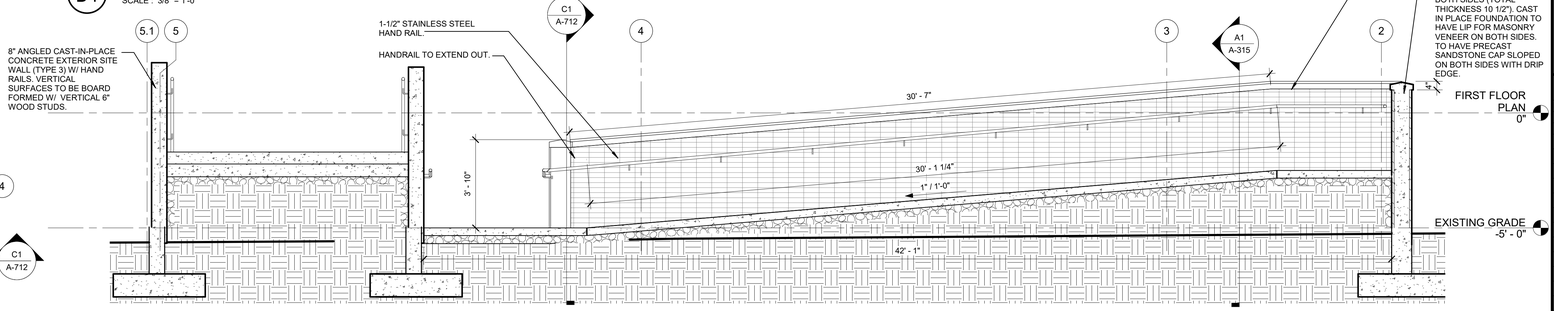
D4 STAIR SECTION/ELEV.

SCALE : 3/8" = 1'-0"



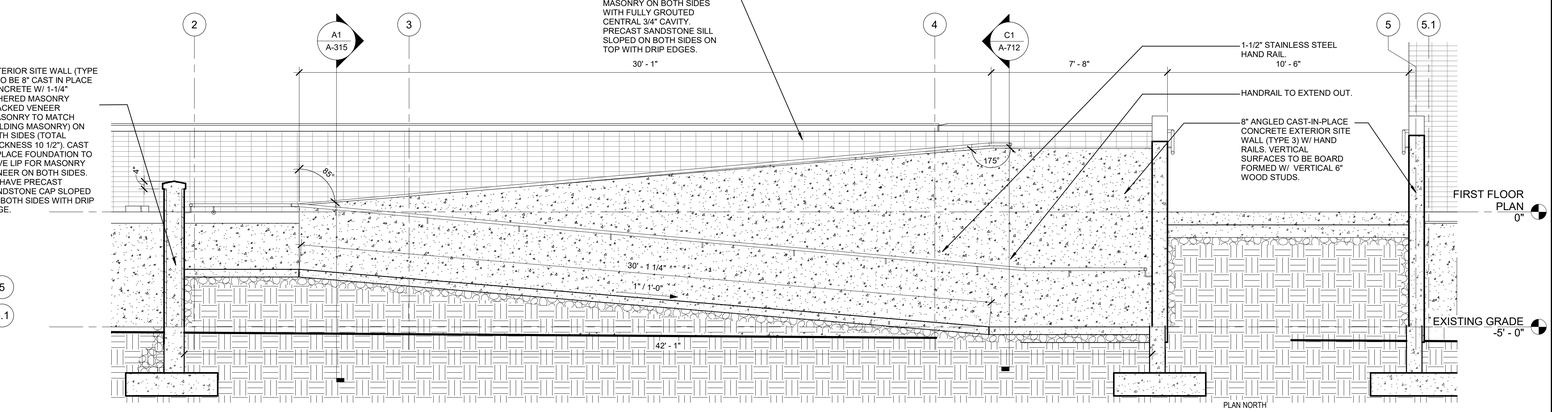
D7 TYP. HANDRAIL DTL.

SCALE : 3" = 1'-0"



D4 STAIR SECTION/ELEV.

SCALE : 3/8" = 1'-0"



C4 STAIR SECTION/ELEV.

SCALE : 3/8" = 1'-0"

A4 STAIR SECTION/ELEV.

SCALE : 3/8" = 1'-0"

PLAN NORTH

GRAPHIC SCALE

3/8"=1'-0" 0 1' 2' 3' 4' 6' 8'

GENERAL SHEET NOTES:

A. ALL DIMENSIONS ARE FACE OF MASONRY, POURED CONCRETE.

B. ALL EXTERIOR CONCRETE SLABS TO HAVE MULTIPLE HARDENER TREATMENTS AND HAVE A BROOM FINISH. CONCRETE SLAB CONTROL JOINTS EVERY 10'-0" O.C.SEE STRUCTURAL. GRANULAR FILL BELOW SLABS.

C. MASONRY CONTROL JOINTS NOT TO EXCEED 25'-4".

D. RAILING BASIS OF DESIGN – VIEWRAIL ONYX ROD RAILING SYSTEMS – PRODUCT: ONYX 1/4 STAINLESS STEEL ROD RAILING – OR APPROVED EQUAL OR APPROVED EQUAL FABRICATION FROM CONTRACTOR.

E. ALL EXTERIOR SITE WALL FOUNDATION STEM WALLS TO HAVE WATERPROOFING MEMBRANE, GRANULAR FILL, AND PERFORATED DRAIN ON BOTH SIDES.

SHEET KEYNOTES:

106 EXTERIOR SITE WALL TYPE AROUND BACK PLANTER (TYPE 4) TO BE 8" CAST IN PLACE CONCRETE (CONCRETE SIDE FACING INTERIOR OF PLANTER) W/ 1-1/4" ADHERED MASONRY STACKED VENEER (MASONRY TO MATCH BUILDING MASONRY). CAST IN PLACE FOUNDATION TO HAVE LIP FOR MASONRY VENEER. TO HAVE PRECAST SANDSTONE CAP SLOPED ON BOTH SIDES WITH DRIP EDGE.

113 9" DIA. BOLLARD

118 EXTERIOR SITE WALL ALONG OUTDOOR PATIO (TYPE 2). 8" TOTAL THICKNESS. 3-5/8" MASONRY ON BOTH SIDES WITH FULLY GROUTED CENTRAL 3/4" CAVITY. PRECAST SANDSTONE SILL SLOPED ON BOTH SIDES ON TOP WITH DRIP EDGES.

119 8" ANGLED CAST-IN-PLACE CONCRETE EXTERIOR SITE WALL (TYPE 3) W/ HAND RAILS. VERTICAL SURFACES TO BE BOARD FORMED W/ VERTICAL 6" WOOD STUDS.

120 EXTERIOR SITE WALL (TYPE 1) TO BE 8" CAST IN PLACE CONCRETE W/ 1-1/4" ADHERED MASONRY STACKED VENEER (MASONRY TO MATCH BUILDING MASONRY) ON BOTH SIDES (TOTAL THICKNESS 10 1/2"). CAST IN PLACE FOUNDATION TO HAVE LIP FOR MASONRY VENEER ON BOTH SIDES. TO HAVE PRECAST SANDSTONE CAP SLOPED ON BOTH SIDES WITH DRIP EDGE.

S2 1-1/2" STAINLESS STEEL HAND RAIL.

S7 HANDRAIL TO EXTEND OUT.

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4	A.J.R.	12/07/2022	ADDENDUM NO. 5

ISSUED FOR BID

11/16/2022

NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

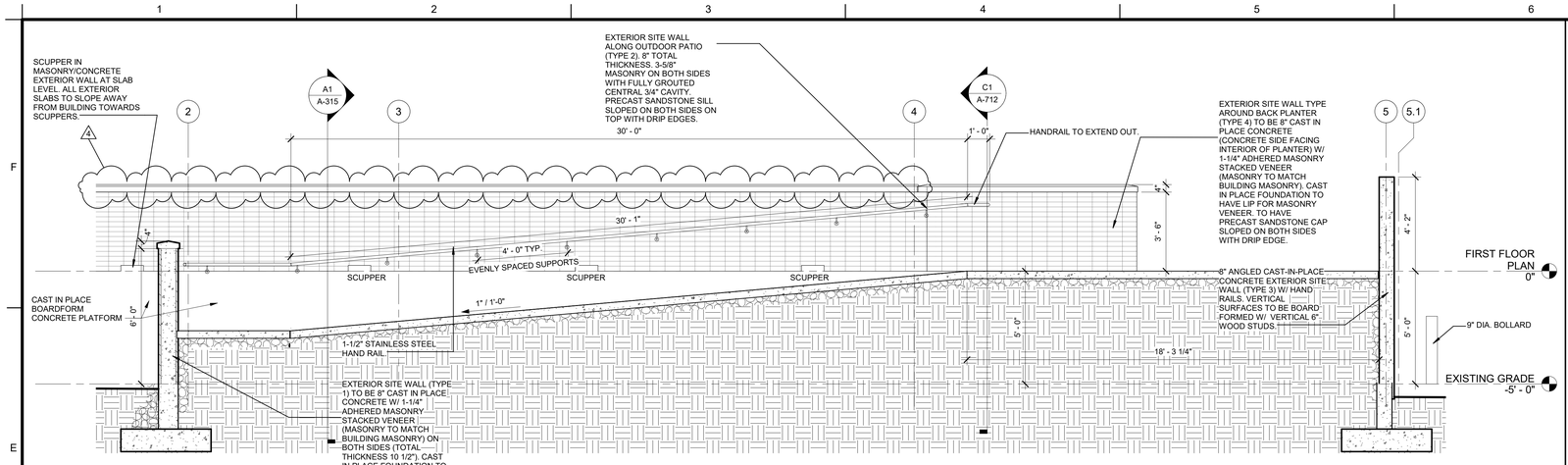
DRAWN: JBW CHECKED: AJR APPROVED: AJR

PROJECT NUMBER: **MODOT #22-012A-1**

ENLARGED STAIR & RAMP PLANS & SECTIONS

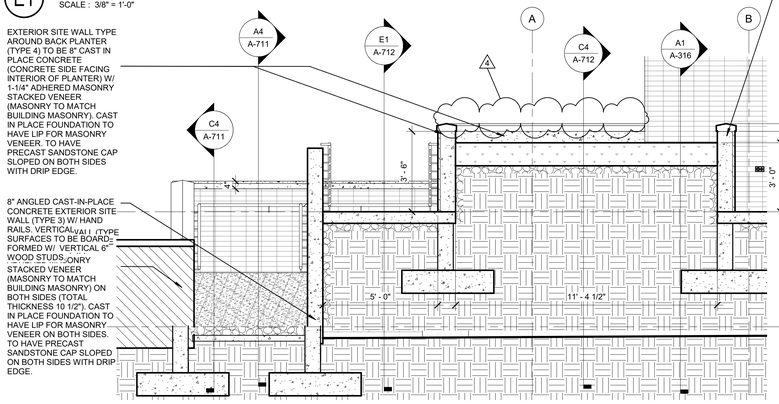
A-711

BIM 360://Jviation_ St.Joseph Airport/ST.J_ADMIN BLDG_ARCH_R20.rvt
12/7/2022 11:04:47 AM
A-711 ENLARGED STAIR & RAMP PLANS & SECTIONS



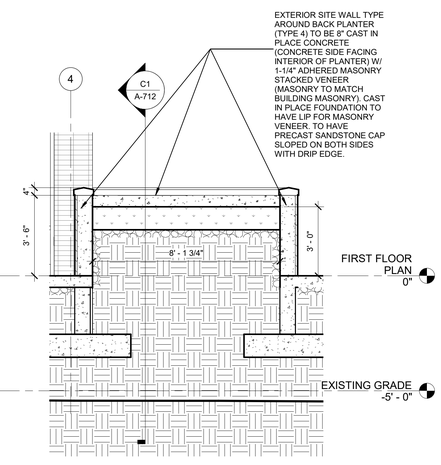
E1 RAMP SECTION/ELEV.

SCALE : 3/8" = 1'-0"



C1 RAMP SECTION/ELEV.

SCALE : 3/8" = 1'-0"

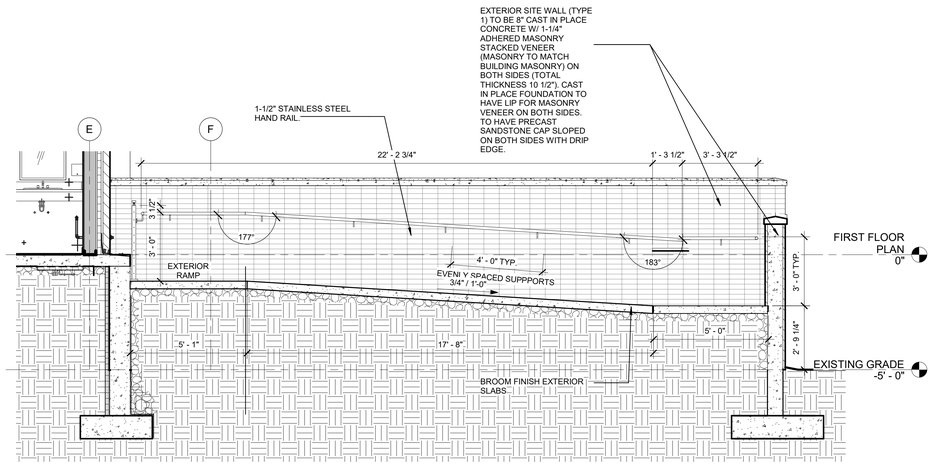


C4 PLANTER SECTION/ELEV.

SCALE : 3/8" = 1'-0"

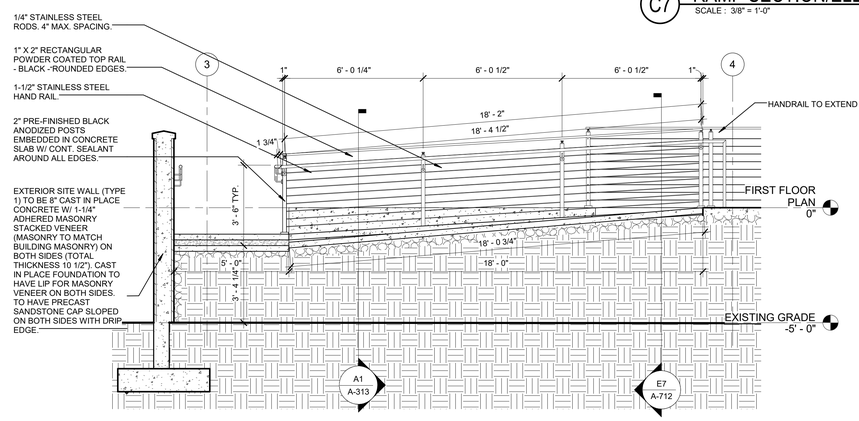
BACK STAIR & RAMP

FRONT STAIR & RAMP



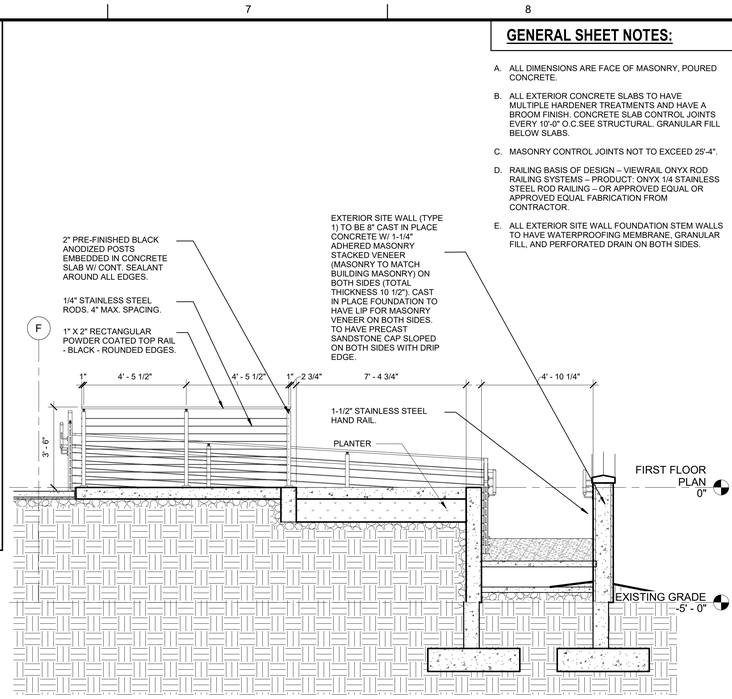
A1 RAMP SECTION/ELEV.

SCALE : 3/8" = 1'-0"



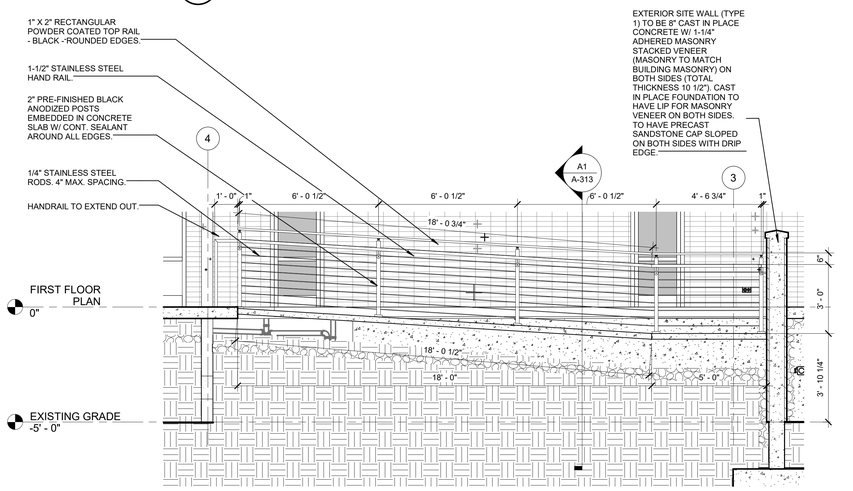
A5 RAMP SECTION/ELEV.

SCALE : 3/8" = 1'-0"



E7 RAMP & PLANTER SECTION/ELEV.

SCALE : 3/8" = 1'-0"



C7 RAMP SECTION/ELEV.

SCALE : 3/8" = 1'-0"

GRAPHIC SCALE

3/8"=1'-0" 0 1' 2' 3' 4' 6' 8'

GENERAL SHEET NOTES:

A. ALL DIMENSIONS ARE FACE OF MASONRY, POURED CONCRETE.

B. ALL EXTERIOR CONCRETE SLABS TO HAVE MULTIPLE HARDENER TREATMENTS AND HAVE A BROOM FINISH. CONCRETE SLAB CONTROL JOINTS EVERY 10'-0" O.C SEE STRUCTURAL. GRANULAR FILL BELOW SLABS.

C. MASONRY CONTROL JOINTS NOT TO EXCEED 25'-4".

D. RAILING BASIS OF DESIGN – VIEWRAIL ONYX ROD RAILING SYSTEMS – PRODUCT: ONYX 1/4 STAINLESS STEEL ROD RAILING – OR APPROVED EQUAL OR APPROVED EQUAL FABRICATION FROM CONTRACTOR.

E. ALL EXTERIOR SITE WALL FOUNDATION STEM WALLS TO HAVE WATERPROOFING MEMBRANE, GRANULAR FILL, AND PERFORATED DRAIN ON BOTH SIDES.

ROSECRANS MEMORIAL AIRPORT
CITY OF ST. JOSEPH, MISSOURI

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A WOOLPERT COMPANY

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A PROJECT FOR:
ROSECRANS MEMORIAL AIRPORT

ISSUE RECORD

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4	A.J.R.	12/07/2022	ADDENDUM NO. 5

ISSUED FOR BID

11/16/2022

NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: JBW | CHECKED: AJR | APPROVED: AJR

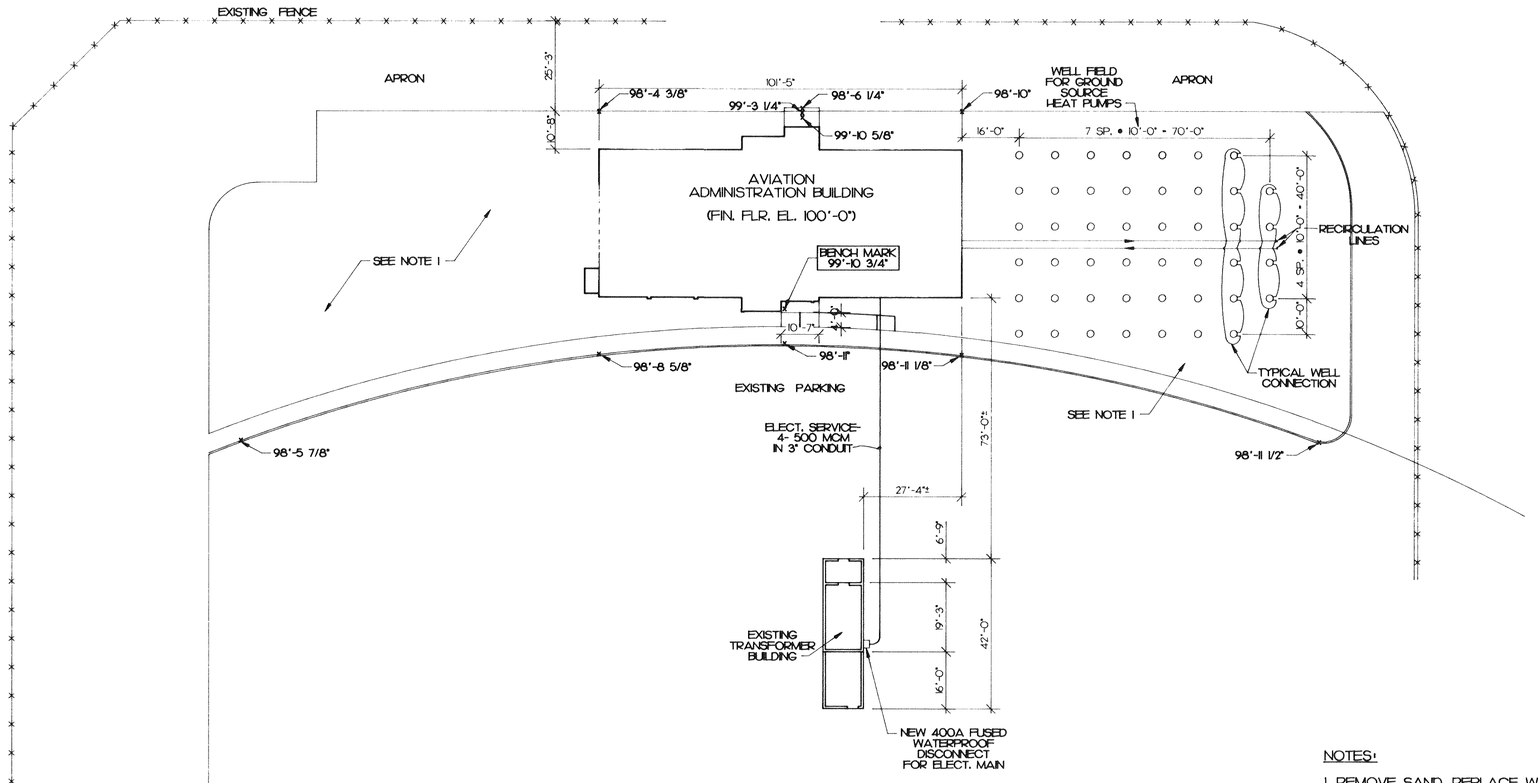
PROJECT NUMBER: MODOT #22-012A-1

ENLARGED STAIR & RAMP PLANS & SECTIONS

A-712

BIM 360://viation_ St Joseph Airport/STJ_ADMIN BLDG_ARCH_R20.rvt

A-712 ENLARGED STAIR & RAMP PLANS &2/7/2022 11:04:50 AM SECTIONS



NOTES:

1. REMOVE SAND, REPLACE WITH 4" TOP SOIL AND SOD - ALL ORIGINAL GRASSED AREAS.

SITE PLAN
1" = 20'-0"

SUPPLEMENTAL DRAWINGS FROM AS-BUILTS

Brunner & Brunner
architects & engineers, Inc.
St. Joseph, Missouri 64501
(816) 279-0809

CREAL - KIRSCHNER - CLARK
ARCHITECTS / ENGINEERS INC.
Tenth & Corby Streets
St. Joseph, Missouri 64501
(816) 364-2435

FLOOD RENOVATION
FOR
AVIATION ADMINISTRATION BLDG.
ROSECRANS MEMORIAL AIRPORT
CITY of ST. JOSEPH, MO.

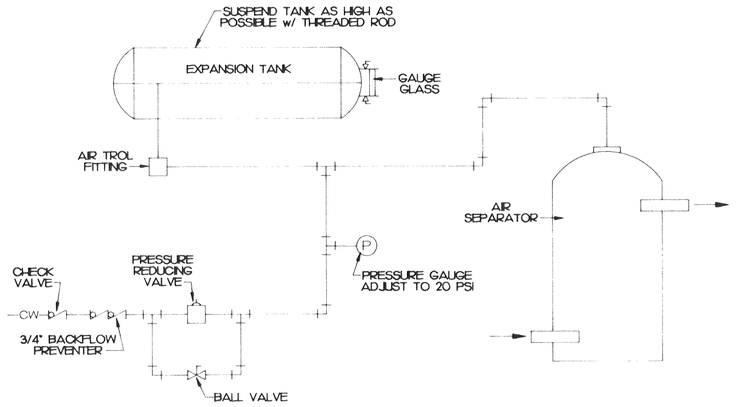
DRAWN BY	CHECK'D BY	DATE	Project No.
GTS	JC/WPB	8-31-93	9357
REVISIONS:			Sheet No. ME-1

STATE OF MISSOURI WILLIAM A. BRUNNER NUMBER E-9148 REGISTERED ARCHITECT

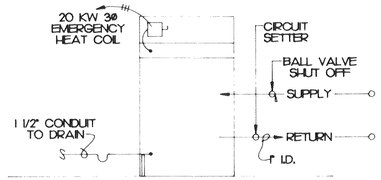
CX-1030

HVAC EQUIPMENT SCHEDULE

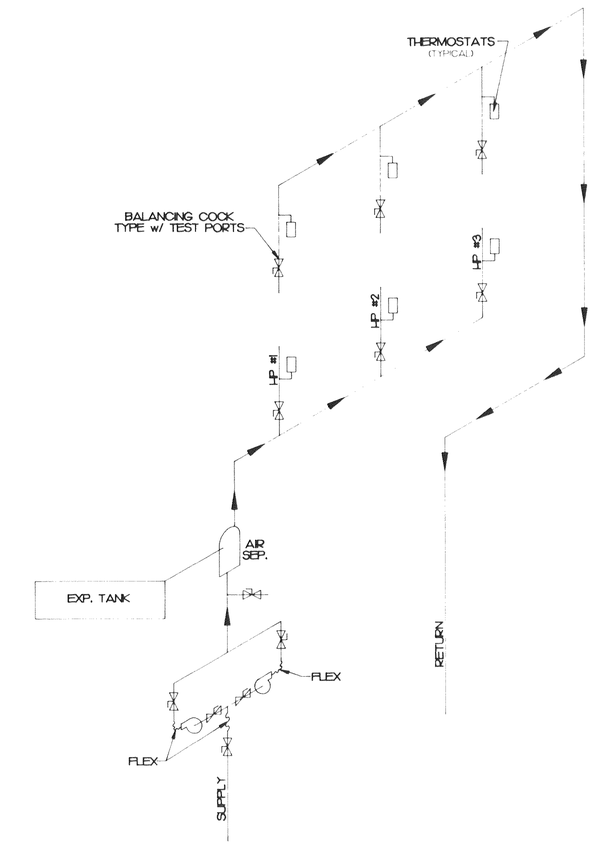
UNIT NO.	QTY.	MANUFACTURER	MODEL NO.	COOLING			HEATING		ELECTRICAL			REMARKS
				BTUH	CFM	ESP	INPUT	OUTPUT	VOLTS	PHASE	HZ	
1	1	COMMAND AIR	SWP 610 EA	62,000	2,000	1 1/2	-	78,000	208	3Ø	60	w/ 20 kw EMERG. ELEC. STAND-BY
2	1	COMMAND AIR	SWP 610 EA	62,000	2,000	1 1/2	-	78,000	208	3Ø	60	w/ 20 kw EMERG. ELEC. STAND-BY
3	1	COMMAND AIR	SWP 610 EA	62,000	2,000	1 1/2	-	78,000	208	3Ø	60	w/ 20 kw EMERG. ELEC. STAND-BY



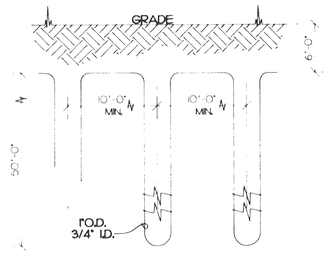
AIR CONTROL SYSTEM DIAGRAM
NTS



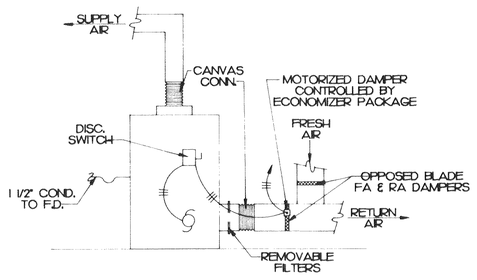
TYP. GROUND SOURCE UNIT CONNECTION
NTS



HVAC PIPING SCHEMATIC
NTS



WELL PIPING DIAGRAM
NTS



TYP. UNIT CONNECTION
NTS

SUPPLEMENTAL DRAWINGS FROM AS-BUILTS

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architects & engineers, Inc.
St. Joseph, Missouri 64501
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FLOOD RENOVATION
FOR
AVIATION ADMINISTRATION BLDG.
ROSECRANS MEMORIAL AIRPORT
CITY of ST. JOSEPH, MO.

DRAWN BY	CHECK'D BY	DATE	Project No.
SC	SC/WPB	8-31-93	9357
REVISIONS:			Sheet No. M-2

CX-1030

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Video surveillance system requirements.

B. Video recording and viewing equipment.

C. Cameras.

D. Accessories.

1.2 RELATED REQUIREMENTS

A. Section 078400 - Firestopping.

B. Section 260526 - Grounding and Bonding for Electrical Systems.

C. Section 260529 - Hangers and Supports for Electrical Systems.

D. Section 260533.13 - Conduit for Electrical Systems.

E. Section 260553 - Identification for Electrical Systems: Identification products and requirements.

F. Section 271000 - Structured Cabling: Data cables for IP video surveillance system network connections.

1.3 REFERENCE STANDARDS

A. 47 CFR 15 - Radio Frequency Devices current edition.

B. IEEE C2 - National Electrical Safety Code(R) (NESC(R)) 2023.

C. NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.

D. NECA 303 - Standard for Installing and Maintaining Closed-Circuit Television (CCTV) Systems 2019.

E. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.4 ADMINISTRATIVE REQUIREMENTS

A. Coordination:

1. Coordinate the placement of cameras with structural members, ductwork, piping, equipment, luminaires, diffusers, fire suppression system components, and other potential conflicts installed under other sections or by others.

2. Coordinate the work with other installers to provide power for cameras and equipment at required locations.

3. Notify Architect of any conflicts with or deviations from Contract Documents. Obtain direction before proceeding with work.

B. Preinstallation Meetings:

1. Conduct meeting with facility representative to review camera and equipment locations and camera field of view objectives.

1.5 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturer's standard catalog pages and data sheets for each system component. Include ratings, configurations, standard wiring diagrams, dimensions, finishes, service condition requirements, and installed features.

C. Project Record Documents: Record actual locations of system components and installed wiring arrangements and routing.

D. Operation and Maintenance Data: Include detailed information on system operation, equipment programming and setup, replacement parts, and recommended maintenance procedures and intervals.

1. Include contact information for entity that will be providing contract maintenance and trouble call-back service.

E. Warranty: Submit sample of manufacturer's warranty and documentation of final executed warranty completed in Owner's name and registered with manufacturer.

1.6 QUALITY ASSURANCE

A. Comply with the following:

1. NFPA 70.

2. Applicable TIA/EIA standards.

B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

C. Installer Qualifications: Company specializing in performing the work of this section with minimum three years documented experience with video surveillance systems of similar size, type, and complexity and providing contract maintenance service as a regular part of their

business; authorized manufacturer's representative.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Receive, inspect, handle, and store products in accordance with manufacturer's instructions and NECA 303.

B. Store products in manufacturer's unopened packaging, keep dry and protect from damage until ready for installation.

1.8 FIELD CONDITIONS

A. Maintain field conditions within manufacturer's required service conditions during and after installation.

1.9 WARRANTY

A. See Section 017800 - Closeout Submittals, for additional warranty requirements.

B. Provide minimum one year manufacturer warranty covering repair or replacement due to defective materials or workmanship.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Video Recording and Viewing Equipment - Basis of Design: VIVOTEK.

B. Video Recording and Viewing Equipment - Other Acceptable Manufacturers:

1. Bosch Security Systems: www.boschsecurity.us/#sle.

2. Honeywell International, Inc: www.honeywellvideo.com/#sle.

3. Pelco, a brand of Schneider Electric: www.pelco.com/#sle.

C. Cameras - Basis of Design: Axis Communications as indicated under product descriptions below; www.axis.com/#sle.

D. Cameras - Other Acceptable Manufacturers:

1. Bosch Security Systems: www.boschsecurity.us/#sle.

2. Honeywell International, Inc: www.honeywellvideo.com/#sle.

3. VIVOTEK: www.vivotek.com/#sle.

4. Hanwha: www.hanwha.com.

E. Substitutions: See Section 016000 - Product Requirements.

F. Products other than basis of design are subject to compliance with specified requirements and prior approval of Engineer. By using products other than basis of design, Contractor accepts responsibility for costs associated with any necessary modifications to related work, including any design fees.

G. Source Limitations: Where possible, furnish system components and accessories produced by a single manufacturer and obtained from a single supplier.

2.2 VIDEO SURVEILLANCE SYSTEM

A. Provide new video surveillance system consisting of all required equipment, conduit, boxes, wiring, connectors, hardware, supports, accessories, software, system programming, etc. as necessary for a complete operating system that provides the functional intent indicated.

B. System Description: IP system with connection to network (IP) cameras.

1. Video Storage Capacity: Suitable for storing video from all cameras for 30 days.

C. Cameras Required:

1. See article "CAMERAS" below for product descriptions.

D. Video Recording and Viewing Equipment Required:

1. See article "VIDEO RECORDING AND VIEWING EQUIPMENT" below for product descriptions.

E. Provide products listed, classified, and labeled as suitable for the purpose intended.

F. Electromagnetic Interference/Radio Frequency Interference (EMI/RFI) Limits: Comply with FCC requirements of 47 CFR 15, for Class B, consumer application.

2.3 VIDEO RECORDING AND VIEWING EQUIPMENT

A. Provide video recording and viewing equipment compatible with cameras to be connected.

B. Network Video Recorders (NVRs):

1. Supports connection of network (IP) cameras.

2. Supports continuous and event-based recording.

3. Network Video Recorder:

a. Basis of Design: Vivotek NVR.

b. Capacity: 16 channels.

c. Recording and Viewing Performance: 480 fps at 1920x1080 resolution.

d. Storage Capacity: As required.

e. Removable Media: USB.

f. Network: Single 1 Gigabit Ethernet.

g. Features:

1) Supports PTZ camera control.

2) Supports remote access via desktop and mobile device.

C. Software:

1. Unless otherwise indicated, provide all software and licenses required for fully operational system.

2.4 CAMERAS

A. Provide cameras and associated accessories suitable for operation under the service conditions at the installed location. Provide additional components (e.g. enclosures, heaters, blowers, etc.) as required.

B. Where not factory-installed, provide additional components (e.g. lenses, mounting accessories, etc.) as necessary for complete installation.

C. Network (IP) Cameras:

1. Signal-to-Noise Ratio: Not less than 50 dB.

2. Provide the following standard features:

a. Automatic electronic shutter.

b. Automatic gain control.

c. Automatic white balance.

d. Web-based interface for remote viewing and setup.

e. Password protected security access.

3. Network (IP) Fixed Dome Camera - Basis of Design: Axis Communications P32 Series; Model P3245-LV (IR illumination, Vandal-resistant); www.axis.com/#sle.

a. Maximum Video Resolution: 1920 x 1080.

b. Maximum Frame Rate: 50/60 fps at 50/60 Hz.

c. Image Sensor Size: 1/2.8 inch.

d. Minimum Illumination/Light Sensitivity (Color): 0.1 lux.

e. Lens: 3.4-8.9 mm, F1.8; horizontal field of view of 100-36 degrees; varifocal, P-Iris, remote focus and zoom.

f. Features: Zipstream, forensic capture wide dynamic range, Lightfinder, local storage, Power over Ethernet (PoE), day and night functionality, built-in IR illumination, image rotation (0, 90, 180, or 270 degrees), IP52/IK10 casing.

4. Network (IP) Fixed Dome 360 Degree Multisensor Camera - Basis of Design: Axis Communications Model P3719-PLE (Outdoor, IR illumination, Vandal-resistant); www.axis.com/#sle.

a. Maximum Video Resolution: 2560 x 1440.

b. Maximum Frame Rate: 25/30 fps at 50/60 Hz.

c. Image Sensor Size: 4 x 1/2.5 inch.

d. Minimum Illumination/Light Sensitivity (Color): 0.2 lux.

e. Lens: 4 x 3-6 mm, F1.8-2.6; horizontal field of view of 101-49 degrees; varifocal, fixed iris.

f. Features: Zipstream, wide dynamic range, local storage, Power over Ethernet (PoE), day and night functionality, built-in IR illumination (four, individually controllable), image rotation (0, 90, 180, or 270 degrees), IP66/IP67/NEMA 4X/IK09 casing, individual adjustment and capture mode for each lens.

5. Network (IP) Fixed Dome 180 Degree Multisensor Camera - Basis of Design: Axis Communications Model P3807-PVE (Outdoor, Vandal-resistant); www.axis.com/#sle.

a. Maximum Video Resolution: 4320 x 1920.

b. Maximum Frame Rate: 25/30 fps at 50/60 Hz.

c. Image Sensor Size: 4 x 1/2.9 inch.

d. Minimum Illumination/Light Sensitivity (Color): 0.17 lux.

e. Lens: 4 x 3.2 mm, F2.0; horizontal field of view of 180 degrees; fixed focal, fixed iris.

f. Features: Zipstream, forensic capture wide dynamic range, Lightfinder, local storage, Power over Ethernet (PoE), day and night functionality, IP66/IP67/NEMA 4X/IK10 casing.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that field measurements are as indicated.

B. Verify that ratings and configurations of system components are consistent with the indicated requirements.

C. Verify that mounting surfaces are ready to receive system components.

D. Verify that branch circuit wiring installation is completed, tested, and ready for connection to system where applicable.

E. Verify that conditions are satisfactory for installation prior to starting work.

3.2 INSTALLATION

A. Install video surveillance system in accordance with NECA 1 (general workmanship) and NECA 303.

B. Install products in accordance with manufacturer's instructions.

C. Provide required support and attachment in accordance with Section 260529.

D. Wiring Method: Unless otherwise indicated, use cables (not in conduit).

1. Use suitable listed cables in wet locations, including underground raceways.

2. Use suitable listed cables for vertical riser applications.

3. Use listed plenum rated cables in spaces used for environmental air.

4. Conceal all cables unless specifically indicated to be exposed.

5. Route exposed cables parallel or perpendicular to building structural members and surfaces.

6. Include service loop cable lengths to allow relocation of cameras within 30 ft (9.0 m) of installed location.

E. Provide grounding and bonding in accordance with Section 260526.

F. Install firestopping to preserve fire resistance rating of partitions and other elements, using materials and methods specified in Section 078400.

G. Identify system wiring and components in accordance with Section 260553.

3.3 FIELD QUALITY CONTROL

A. See Section 014000 - Quality Requirements, for additional requirements.

B. Prepare and start system in accordance with manufacturer's instructions.

C. Adjust cameras to provide desired field of view and produce suitable images under all service lighting conditions.

D. Program system parameters according to requirements of Owner.

E. Test for proper interface with other systems.

F. Correct defective work, adjust for proper operation, and retest until entire system complies with Contract Documents.

3.4 CLEANING

A. Clean exposed surfaces to remove dirt, paint, or other foreign material and restore to match original factory finish.

3.5 CLOSEOUT ACTIVITIES

A. Demonstration: Demonstrate proper operation of system to Owner, and correct deficiencies or make adjustments as directed.

B. Training: Train Owner's personnel on operation, adjustment, and maintenance of system.

1. Use operation and maintenance manual as training reference, supplemented with additional training materials as required.

2. Provide minimum of four hours of training.

3. Location: At project site.

3.6 PROTECTION

A. Protect installed system components from subsequent construction operations.

END OF SECTION