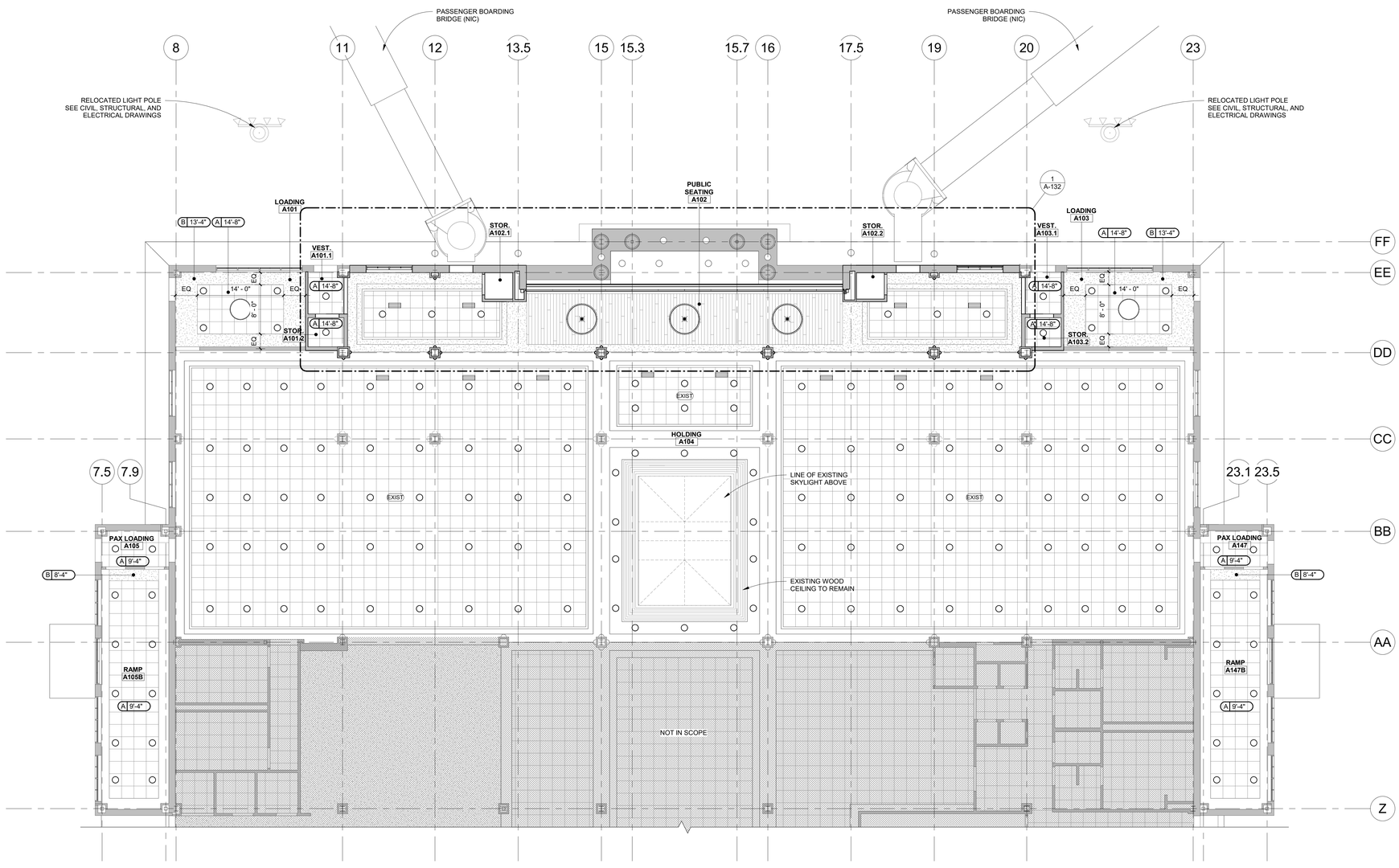
X X	CEILING TYPE SCHEDULE
CEILING TYPE	MANUFACTURER, BASIS OF DESIGN
A	USG; HALCYON, 24X24 WHITE AND FINELINE SUSPENSION GRID
B	GYPSUM BOARD CEILING
C	RULON; 4 1/2" MODULE LINEAR OPEN, 3 3/4" BOARD WITH A 3/4" FELT REVEAL
D	VINYL SOFFIT TO MATCH EXISTING SPEC AND HEIGHT



PLAN NORTH

1 A-131 FIRST FLOOR - REFLECTED CEILING PLAN

1/8" = 1'-0"

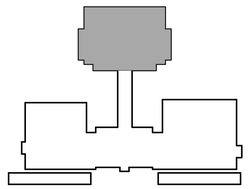
0 5 10 25 FT

GENERAL REFLECTED CEILING PLAN NOTES:

1. IF THERE ARE QUESTIONS REGARDING THE ITEMS NOTED HEREIN OR OTHER COORDINATION ISSUES, THE CONTRACTOR SHALL OBTAIN A WRITTEN CLARIFICATION FROM THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK. SEE NOTE 2, A-101.
2. VERIFY FIELD CONDITIONS AND LOCATIONS OF ELECTRICAL, MECHANICAL, PLUMBING, AND STRUCTURAL ELEMENTS AND ANY OTHER APPLICABLE ITEMS. REVIEW AND DETERMINE CEILING CAVITY EQUIPMENT TO INSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT BEFORE RELATED ELEMENTS ARE CONSTRUCTED.
3. DEVICES ON THIS PLAN HAVE BEEN SHOWN FOR COORDINATION PURPOSES ONLY. ALL DEVICES MAY NOT BE SHOWN. INSTALL ALL DEVICES INDICATED ON THE MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND OTHER APPLICABLE DRAWINGS FOR ITEMS NOT SHOWN ON REFLECTED CEILING PLANS.
4. ALL MEP WORK SHALL BE PLANNED TO MINIMIZE THE AMOUNT OF ACCESS PANELS IN HARD CEILINGS. COORDINATE REQUIRED PANEL LOCATIONS WITH/ ARCHITECT. PANELS ARE TO BE FINISHED TO MATCH ADJACENT SURFACE.
5. DIMENSIONS ARE FACE OF FINISH TO CENTER OF FIXTURE U.N.O.
6. CEILING GRIDS AND TILE SHALL BE ORIENTED WITHIN SPACES AS SHOWN, U.N.O. FULL TILE (FT) SHALL ABUT DESIGNATED WALL WHERE INDICATED. LIMIT PARTIAL TILES TO NO LESS THAN 6".
7. AT PARTITIONS WITH SOUND ATTENUATION BLANKETS PROVIDE SOUND ATTENUATION BLANKETS ON CEILING WITHIN 2'-0" ON BOTH SIDES OF WALL EXCEPT AT PARTITIONS WITH SOUND ATTENUATION BLANKETS EXTENDING TO STRUCTURE.
8. PROVIDE ACOUSTIC BATT INSULATION ABOVE CEILING UNDER MECHANICAL UNITS AND 5'-0" BEYOND ALL FOUR SIDES OF UNIT.
9. LOCATION OF SWITCHES SHALL BE VERIFIED WITH ARCHITECT PRIOR TO INSTALLATION.
10. ALL SPRINKLER HEADS, RECESSED LIGHTS AND SIMILAR CEILING MOUNTED EQUIPMENT TO BE CENTERED IN CEILING TILE U.N.O. ALIGN MULTIPLE ITEMS' CENTERS OR EDGES.
11. DISCUSS ALL VISIBLE EQUIPMENT: SPRINKLER HEADS, CONNECTING PIPES, CONDUITS ETC. WITH/ ARCHITECT BEFORE INSTALLATION. ALL VISIBLE PIPING, CONDUIT, ETC., TO BE STRAIGHT, LEVEL, AND PARALLEL TO ADJACENT WORK. WORK INSTALLED UNSATISFACTORILY WILL BE RELOCATED AT CONTRACTOR'S EXPENSE.
12. REFER TO MECHANICAL FLOOR PLANS FOR EXTENT OF DUCTWORK IN EXPOSED STRUCTURE AREAS. PAINT ALL EXPOSED DUCTWORK.
13. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS. PAINT ALL EXPOSED DUCTWORK, PIPING, HANGERS, ETC WITH PAINT COLOR DESIGNATED IN FINISH MATERIAL SPECIFICATIONS, A-701, UNO.
14. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE SEISMIC CLIP TYPE AND INSTALLED IN ACCORDANCE TO CISCA GUIDELINES.
15. DESIGN SUSPENDED CEILING FRAMING SYSTEM TO RESIST LATERAL FORCE OF 20% OF THE WEIGHT OF THE CEILING ASSEMBLY AND ANY LOADS TRIBUTARY TO THE SYSTEM. USE A MINIMUM CEILING WEIGHT OF 5LBS/PSF TO DETERMINE LATERAL FORCE.
16. WHERE CEILING LOADS DO NOT EXCEED 5LBS/PSF AND WHERE PARTITIONS ARE NOT CONNECTED TO THE CEILING SYSTEM, THE FOLLOWING BRACING METHOD MAY BE USED:
    A. PROVIDE LATERAL SUPPORT BY FOUR WIRES MINIMUM NO.12 GAUGES SPLAYED IN FOUR DIRECTIONS 90 DEGREES APART, AND CONNECTED TO THE MAIN RUNNER WITHIN 2" OF THE CROSS RUNNER AND TO THE STRUCTURE ABOVE AT AN ANGLE NOT EXCEEDING 45 DEG. FROM THE PLANE OF THE CEILING. PROVIDE THESE LATERAL SUPPORT POINTS 12 FEET ON CENTER IN EACH DIRECTION WITH THE FIRST POINT WITHIN 4' FROM EACH WALL.
    B. ALLOW LATERAL MOVEMENT OF THE SYSTEM. ATTACH MAIN RUNNERS AND CROSS RUNNERS AT TWO ADJACENT WALLS. MAINTAIN CLEARANCE BETWEEN THE WALL AND THE RUNNERS AT OPPOSITE WALLS.
17. PROVIDE VERTICAL SUPPORT BY BUILDING CODES. ADDITIONALLY, SUPPORT VERTICALLY ENDS OF RUNNERS WITHIN 8" OF EACH END.
18. SUPPORT LIGHT FIXTURES AND AIR DIFFUSERS DIRECTLY BY WIRES TO THE STRUCTURE ABOVE.
19. PAINT ALL EXISITNG AND NEW GYPSUM WALLBOARD CEILINGS AND SOFFITS WITHIN SCOPE OF WORK P-3. SEE FINISH SCHEDULE, FINISH PLAN, AND SPECIFICATIONS FOR MORE INFORMATION.
20. UNDERSIDE OF SOFFITS TO RECEIVE A FINISH TO MATCH ADJACENT VERTICAL FINISH, UNO.
21. FINISH HVAC DIFFUSERS, DRAPERY POCKETS AND SPEAKER GRILLES TO MATCH EXISTING CONDITIONS UNO.
22. ALL GYPSUM WALLBOARD CEILINGS TO RECEIVE CONCEALED SPRINKLER HEADS UNO. SPRINKLER HEADS, OTHER THAN CONCEALED, SHALL BE FULLY RECESSED (CENTER IN CEILING TILE).
23. GENERAL CONTRACTOR SHALL SUBMIT LOCATION PLANS FOR ALL DEVICES LOCATED WITHIN GYPSUM BOARD CEILINGS LIKE FIRE ALARM DEVICES, SECURITY DEVICES, SPRINKLER HEADS, THERMOSTATS AND ANY OTHER DEVICES THAT ARE DIFFERENT OR NOT SHOWN ON THIS PLAN.
24. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL FIXTURE INFORMATION.
25. FOR RE-INSTALLATION OF FIRE ALARM AND SIMILAR CEILING MOUNTED DEVICES, CONTRACTOR SHALL USE THE OWNERS VENDOR FOR REINSTALLATION OF DEVICES. GENERAL CONTRACTOR IS RESPONSIBLE TO REINSTALL ALL EQUIPMENT DEVICES WHERE NEW CEILING TILES HAVE BEEN INSTALLED.
26. CONTRACTOR TO CLEAN ALL EXISTING FIXTURES AND SURFACES WITHIN AREA OF SCOPE.

RCP LEGEND

- GWB CEILING
- 2' x 2' ACT GRID
- WOOD CEILING
- DOWNLIGHT FIXTURE
- PENDANT MOUNTED LIGHT FIXTURE
- SUPPLY DIFFUSER
- LINEAR WALL MOUNTED SCONCE
- EXISTING WALL MOUNTED SCONCES TO BE CLEANED BY CONTRACTOR AND RETAINED
- EXISTING DOWNLIGHT LED FIXTURE TO BE CLEANED AND REINSTALLED AT LOCATION NOTED
- RELOCATED LIGHT POLE LOCATION. SEE CIVIL, STRUCTURAL, AND ELECTRICAL DRAWINGS
- EXISTING STUCCO SOFFIT TO REMAIN. PATCH, REPAIR, PRIME AND PAINT.
- EXISTING SOFFIT AND HEADER TO REMAIN.
- TYPE / HT — X 1'-0" — CEILING TAG
- EXIST. — EXISTING ACT CEILING GRID TO REMAIN. NEW ACT TILES PER TYPE A ON CEILING TYPE SCHEDULE



KEY PLAN

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STATE OF GEORGIA — ANTHONY W. IORILLO — CERTIFICATE NO. 021437 — REGISTERED ARCHITECT — 3/14/2023

AUGUSTA REGIONAL AIRPORT GATES 3 & 4 TERMINAL REHABILITATION

1501 AVIATION WAY, AUGUSTA, GA 30906

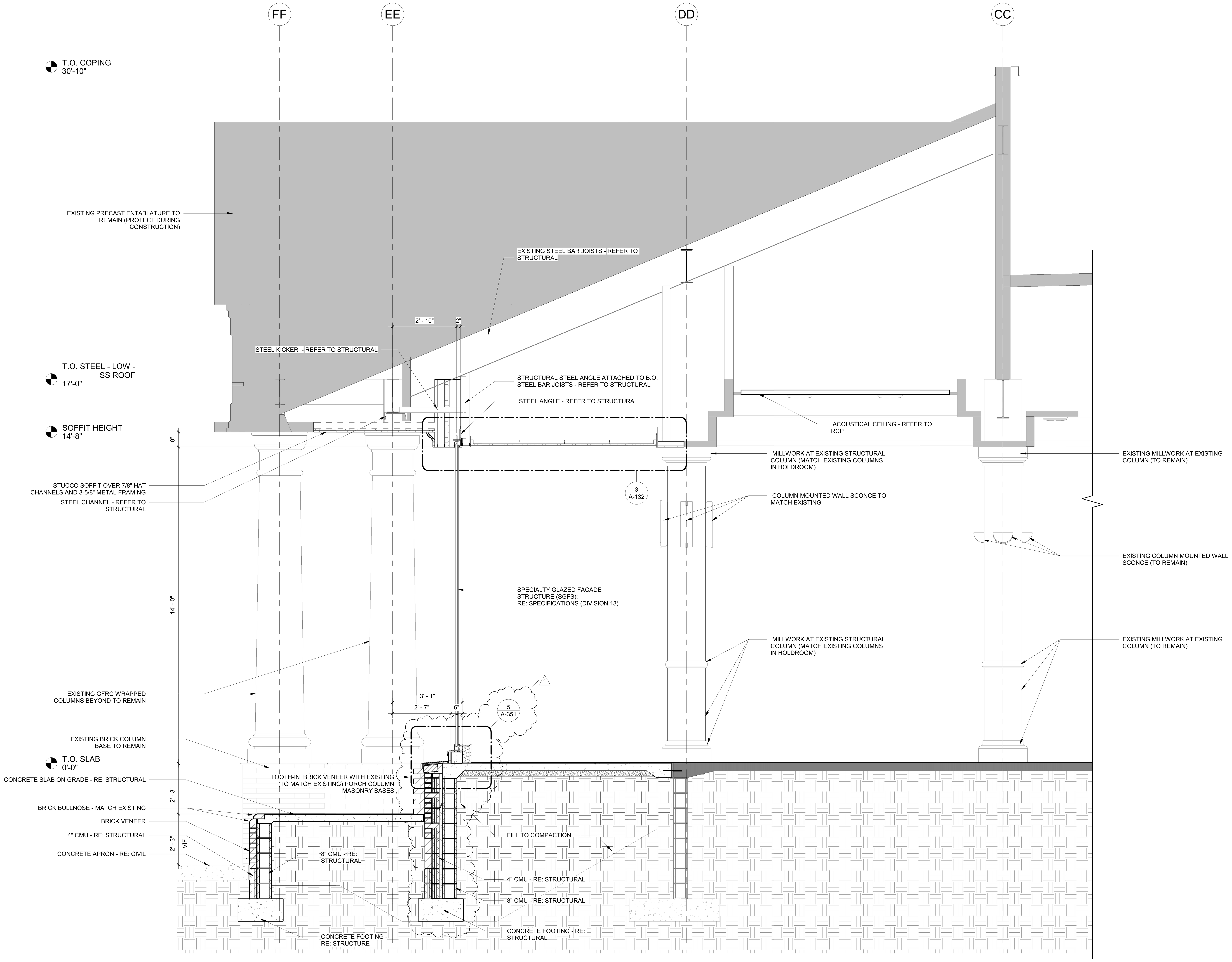
ISSUED
3/14/2023 FINAL CONSTRUCTION DOCUMENTS
1 5/05/2023 ADDENDUM #1

M&H NO.: 0119700-220766.02
DATE: 03/14/2023
DESIGNED BY: AL/ AA/ IC
DRAWN BY: BF/ IC
CHECKED BY: AL/ AA
DO NOT SCALE DRAWINGS

SHEET CONTENTS
FIRST FLOOR REFLECTED CEILING PLAN

SHEET NO.:
A-131

5/14/2023 12:31:16 AM Autodesk Docs://2022-410 Augusta Airport/2022-410_AGS_A23_CENTRAL_.rvt



1
A-311
WALL SECTION
1/2" = 1'-0"
0 1 5 FT

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CERTIFICATE NO. 011579
REGISTERED ARCHITECT
03/14/2023

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1501 AVIATION WAY, AUGUSTA, GA 30906

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	11-09-2022	SD Checkset
	1-25-2023	90% Construction Documents
	3/14/2023	FINAL CONSTRUCTION DOCUMENTS
1	5/05/2023	ADDENDUM #1

M&H NO.:	0119700-220766.02
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CHECKED BY:	AJL

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WALL SECTIONS

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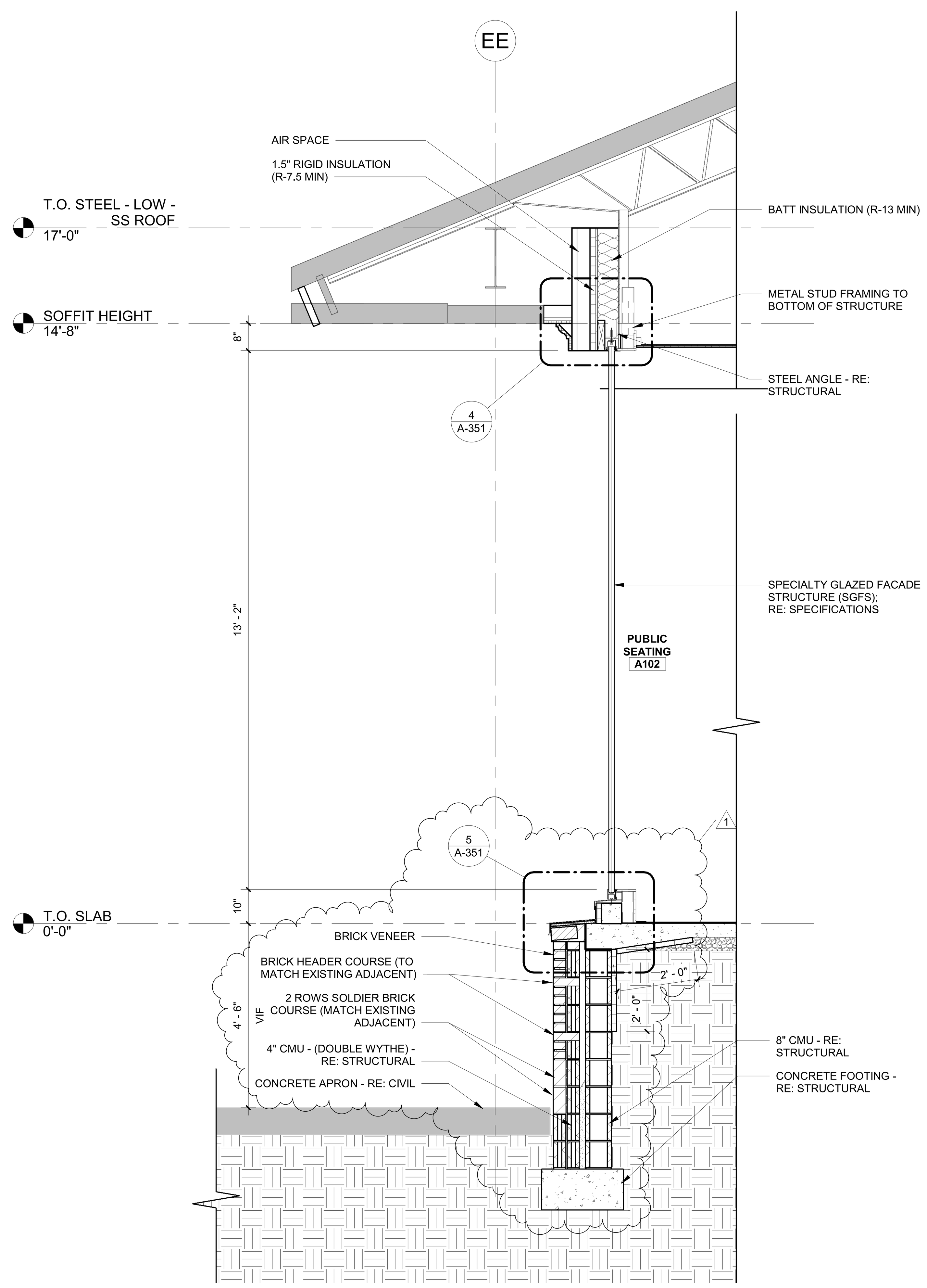

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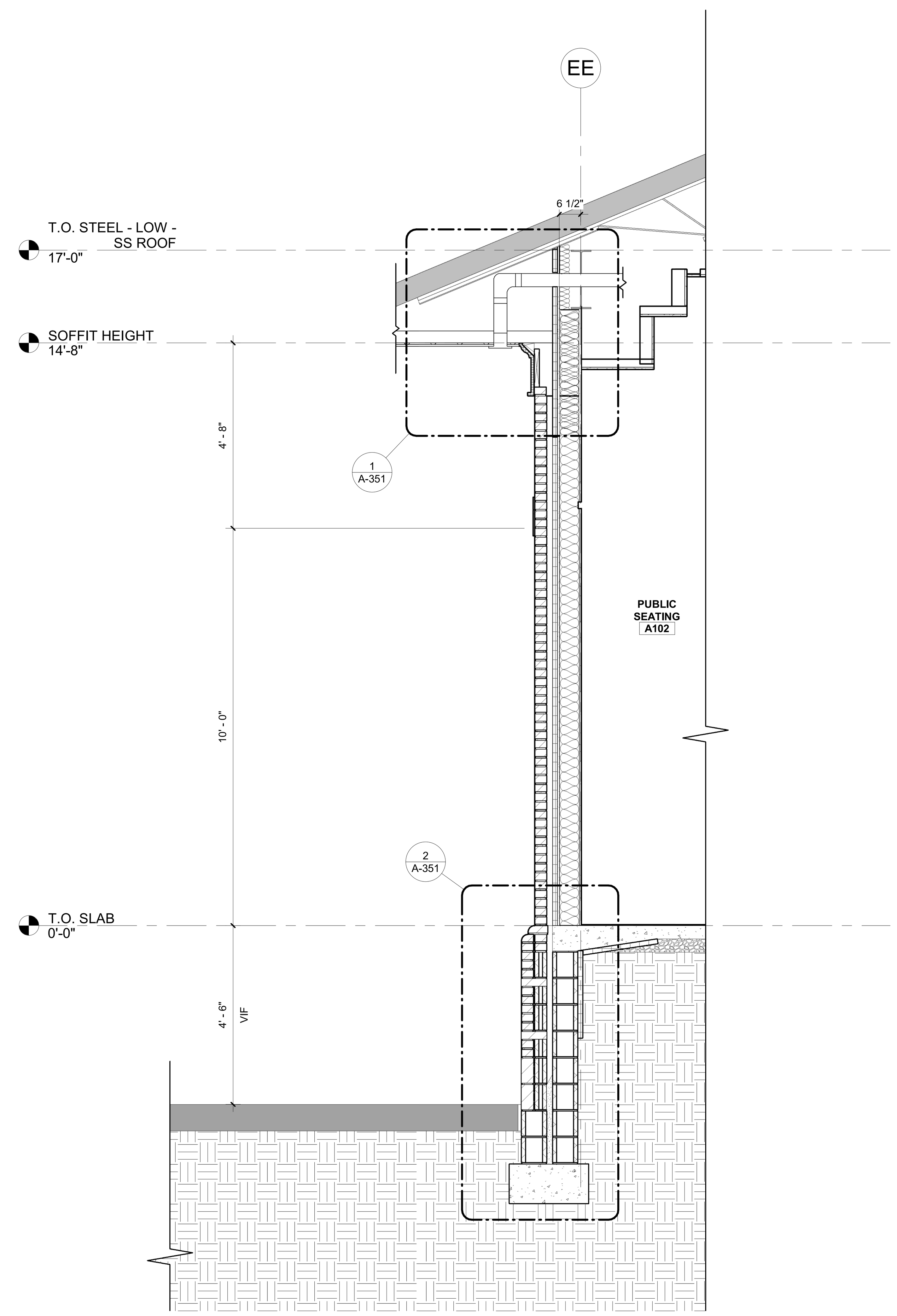

2 A-312 WALL SECTION
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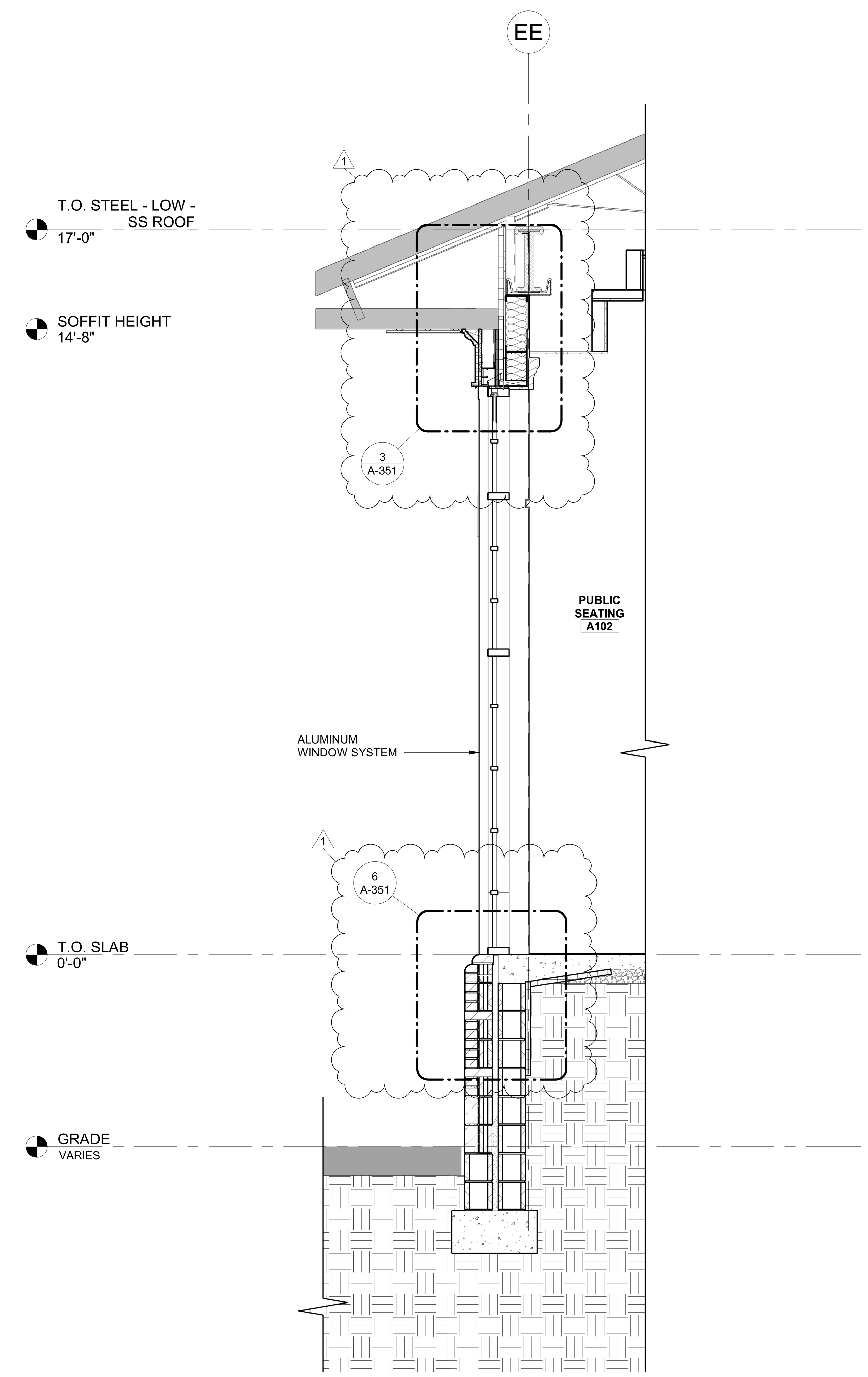

3 A-312 WALL SECTION
1/2" = 1'-0"
0 1 5 FT

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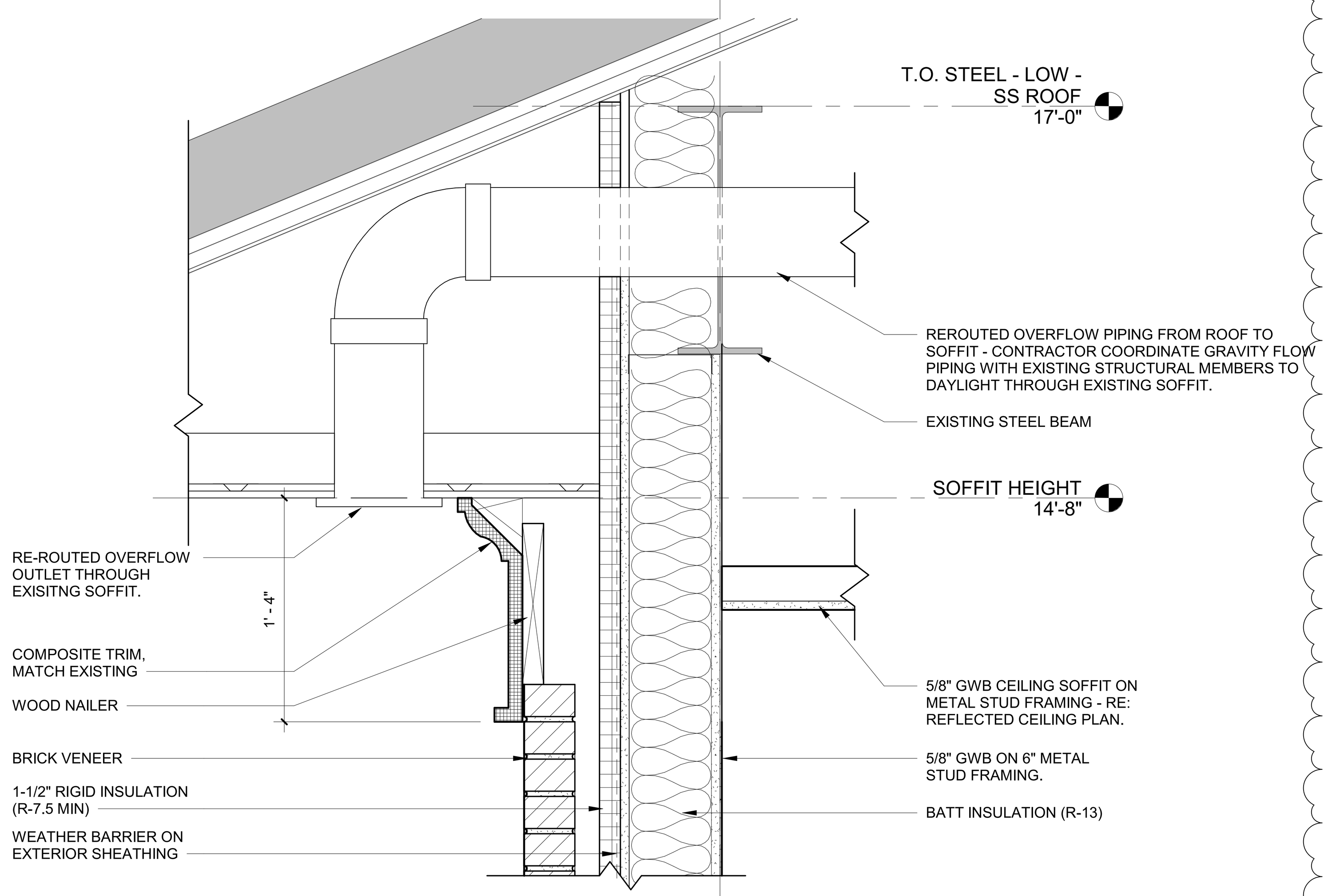
SHEET CONTENTS
WALL SECTIONS

SHEET NO.:
A-312



1 A-351 SECTION DETAIL - BRICK WALL HEAD
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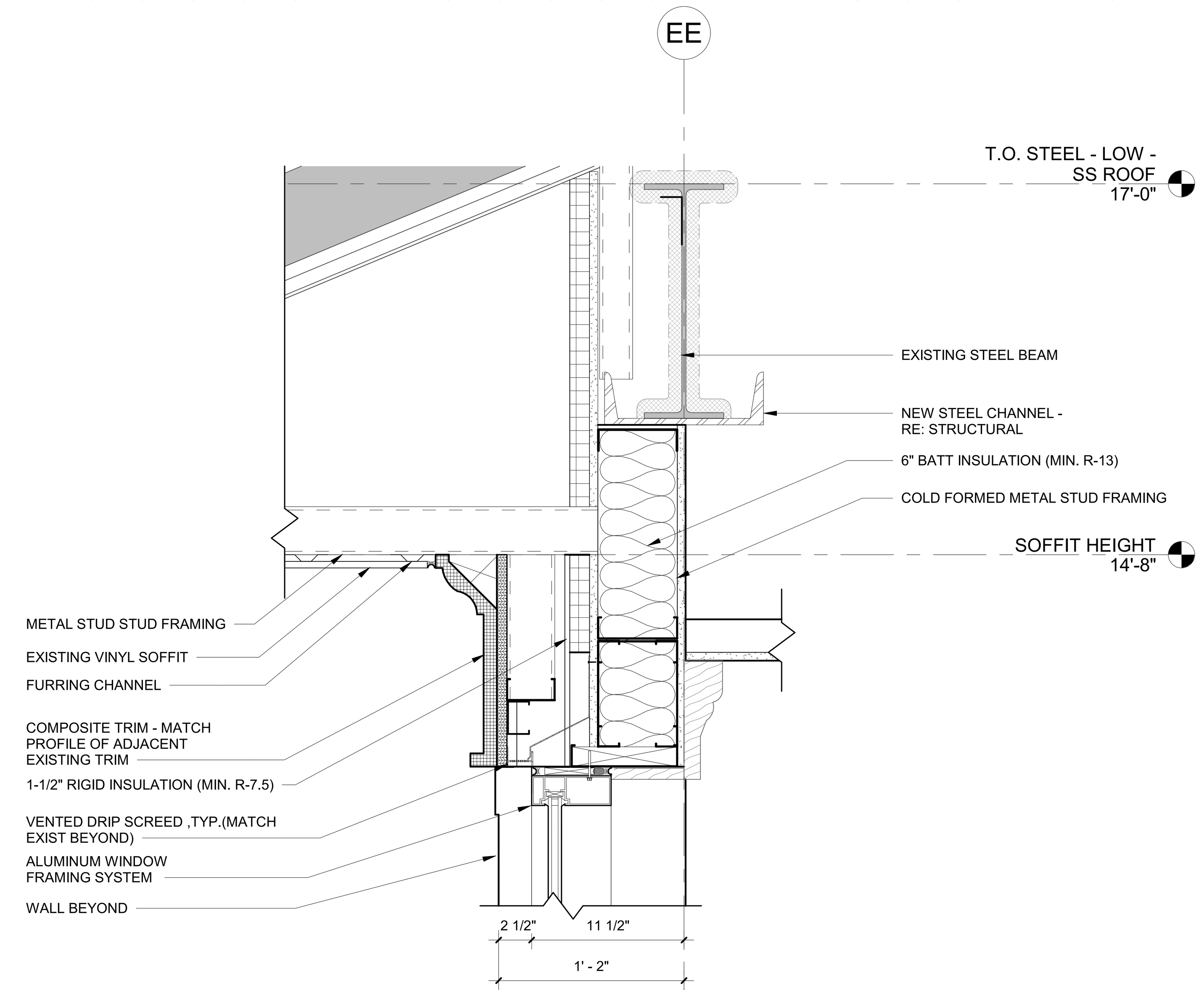

3 A-351 SECTION DETAIL - WINDOW HEAD
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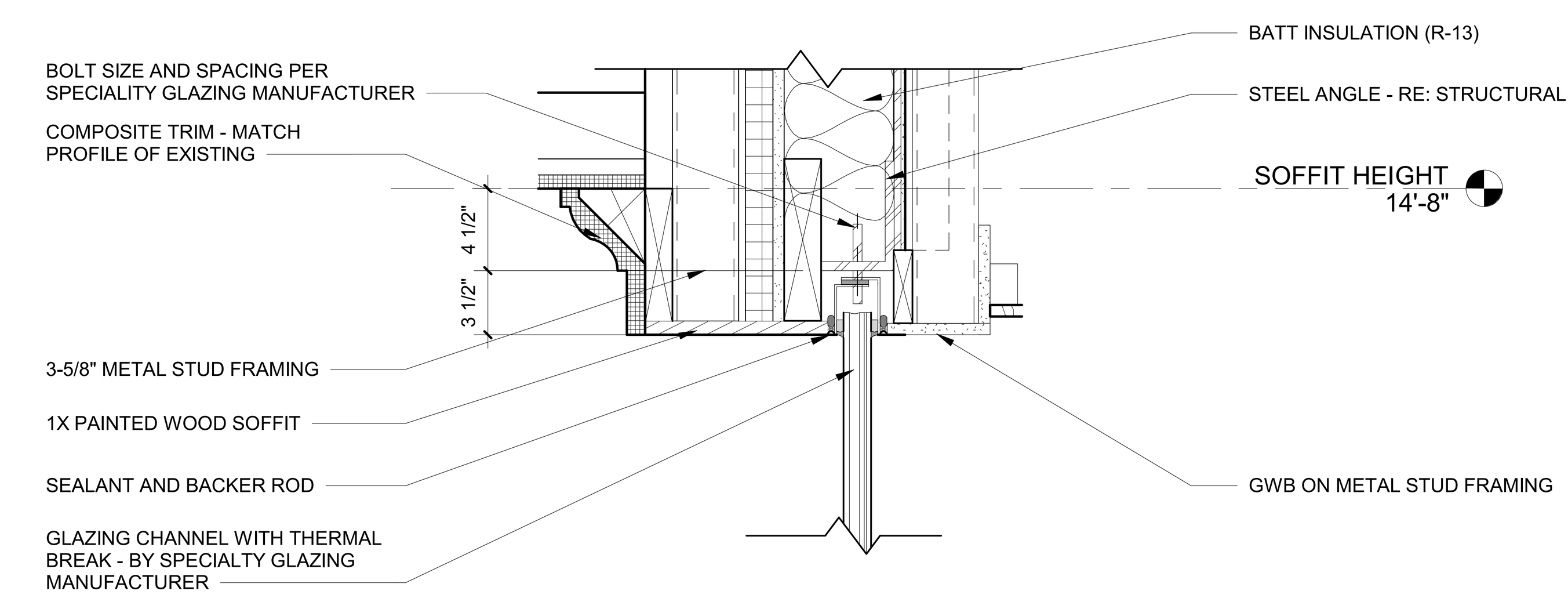

4 A-351 DETAIL - SGFS HEAD DETAIL
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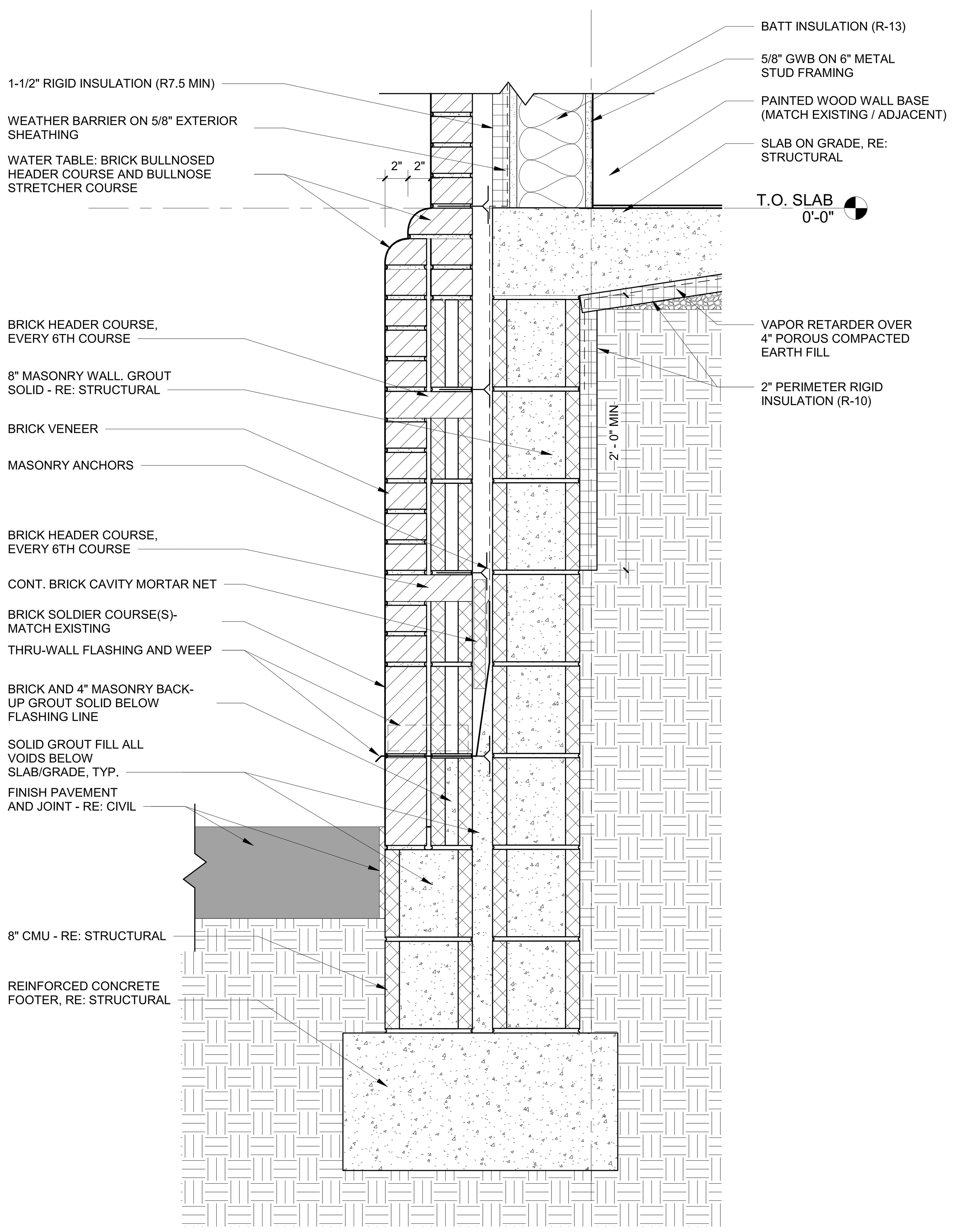

2 A-351 SECTION DETAIL - FOUNDATION WALL SECTION
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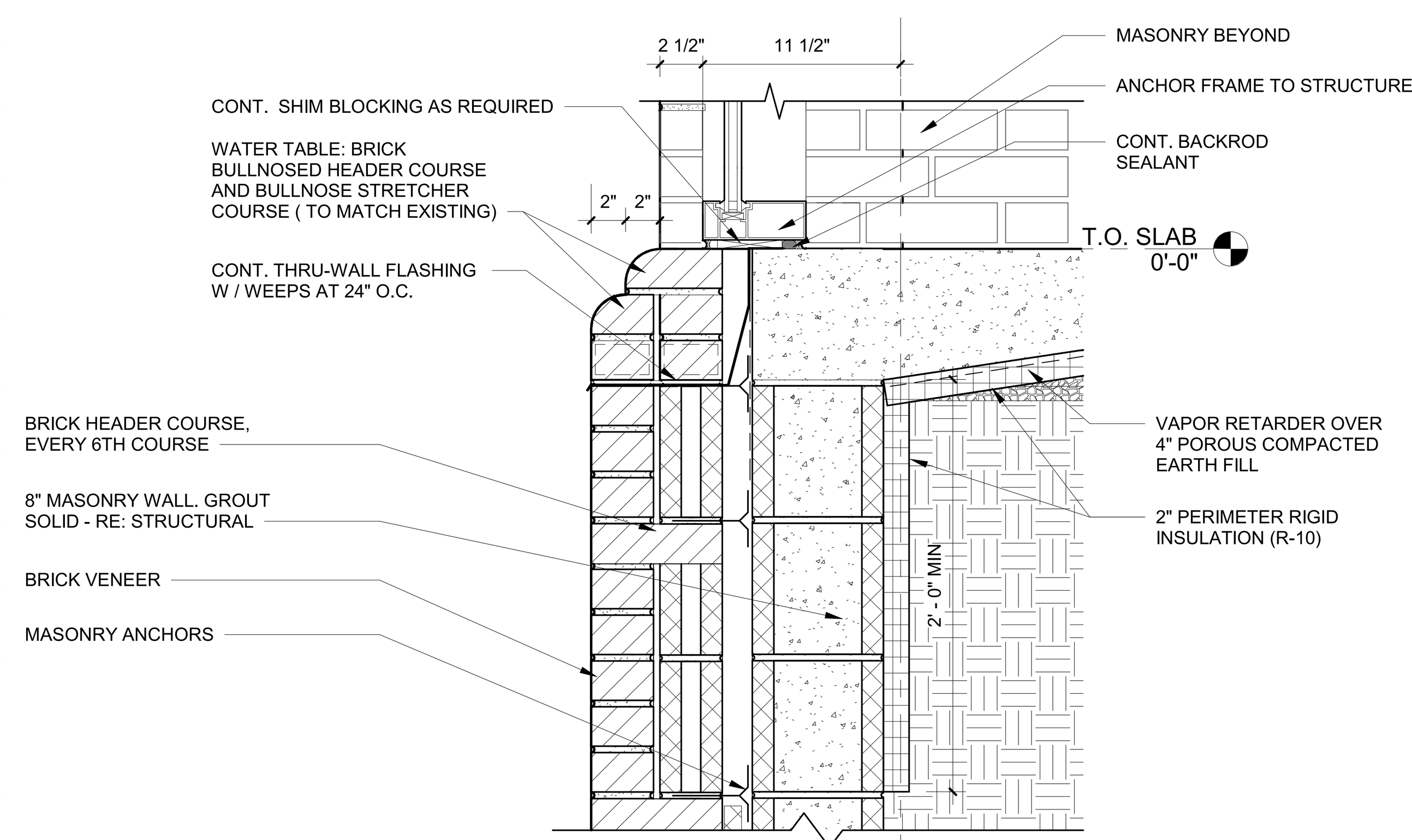

6 A-351 SECTION DETAIL- WINDOW SILL
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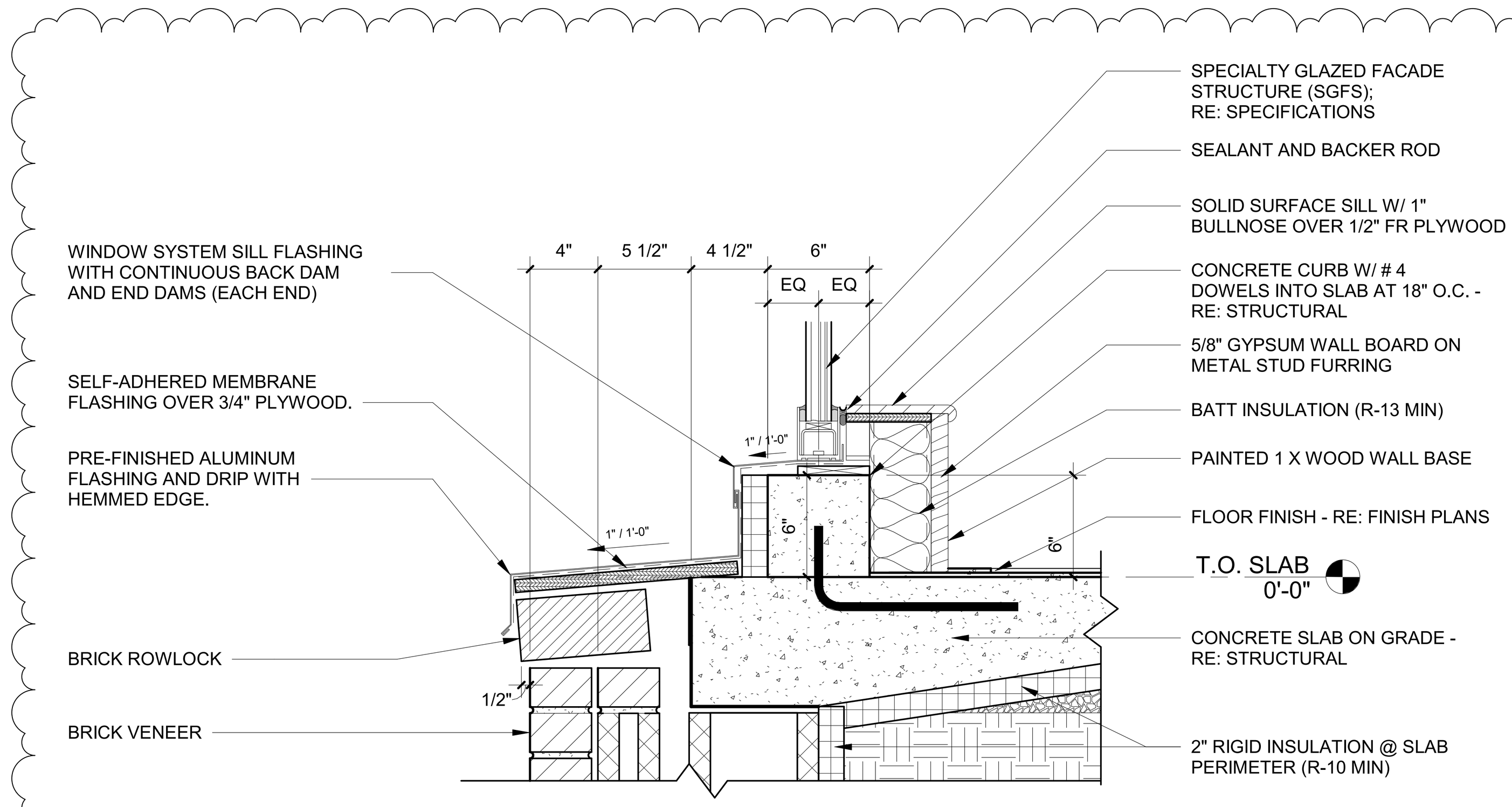

5 A-351 SGFS SILL DETAIL OLD
1 1/2" = 1'-0"
0 6" 1 2 FT

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1	5/05/2023	ADDENDUM #1

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DRAWN BY:	Author
CHECKED BY:	Checker

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SECTION DETAILS

SHEET NO.:
A-351

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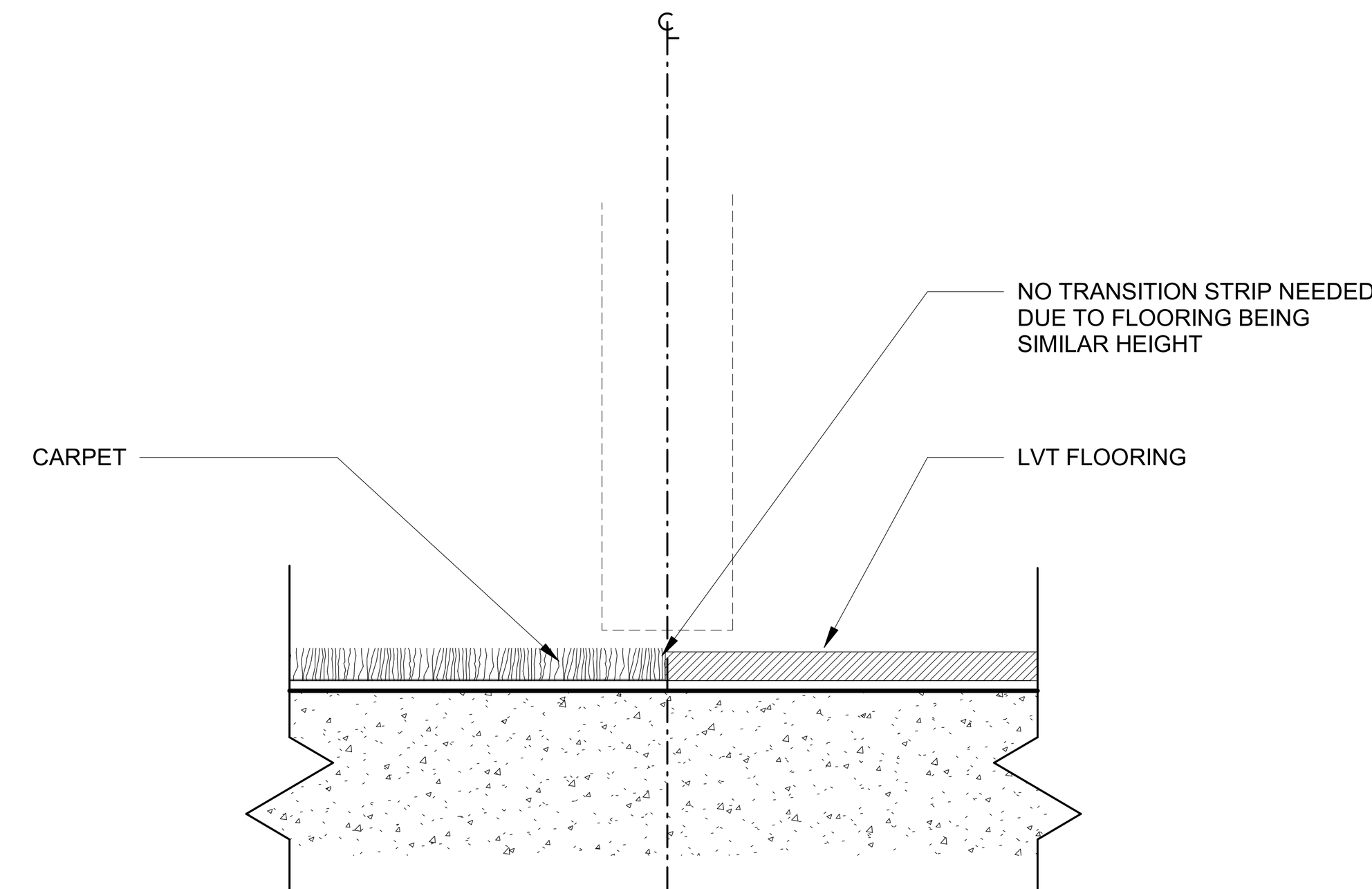
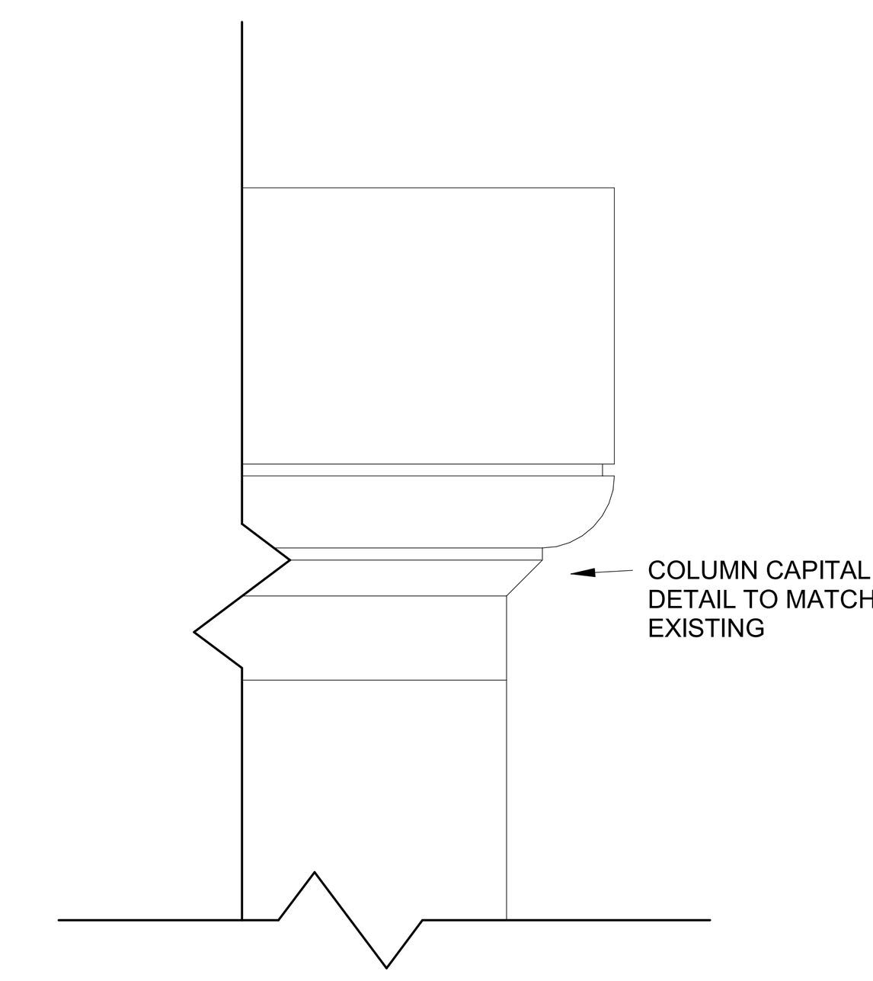
FINISH MATERIAL SPECIFICATIONS

MATERIAL KEY	MATERIAL TYPE	MANUFACTURER	STYLE, COLOR	MATERIAL REMARKS
CPT-1	WALK OFF CARPET TILE	MOHAWK	FIRST STEP II. 955 COBALT. INSTALL MONOLITHIC	VESTIBULE WALK OFF MAT. SEE FINISH PLAN.
LVT-1	LUXURY VINYL TILE	MOHAWK	LARGE AND LOCAL, RENDERED FLAX. COLOR: 415 HEMLOCK, 4.5MM. INSTALL HALF LAP.	TYPICAL FLOOR FINISH UNO. SEE FINISH PLAN
LVT-2	LUXURY VINYL TILE	MOHAWK	LARGE AND LOCAL, RUGGED FOUNDATION. COLOR; 940 NEW CLAY. 4.5MM. INSTALL HALF LAP.	ACCENT LVT. SEE FINISH PLAN
P-1	PAINT	SHERWIN WILLIAMS	PRO INDUSTRIAL PRE-CAT WATERBORNE EPOXY WALLS EGGSHELL IN SW 7043 WORLDLY GRAY	ALL WALLS UNO, SEE WALL FINISH PLAN
P-2	PAINT	SHERWIN WILLIAMS	PRO INDUSTRIAL WATERBASED ALKYD URETHANE SEMI GLOSS IN SW 7008 ALABASTER	ALL TRIM, DOOR FRAMES AND HOLLOW METAL DOORS UNO, SEE FINISH PLAN
P-3	PAINT	SHERWIN WILLIAMS	PRO INDUSTRIAL WATERBASED ALKYD URETHANE FLAT FINISH IN SW 7008 ALABASTER	ALL GYP SOFFITS AND CEILINGS UNO
SV-1	SHEET VINYL	WILLIAM M BIRD	TAKIRON NATTICE; COLOR 833 AUTUMN FOG	ALL RAMPS UNO
WDB-1	WOOD BASE	CUSTOM	6"H WOOD BASE. COLOR TO MATCH P-2.	TYPICAL WOOD BASE UNO. SEE DETAIL A-701.

1

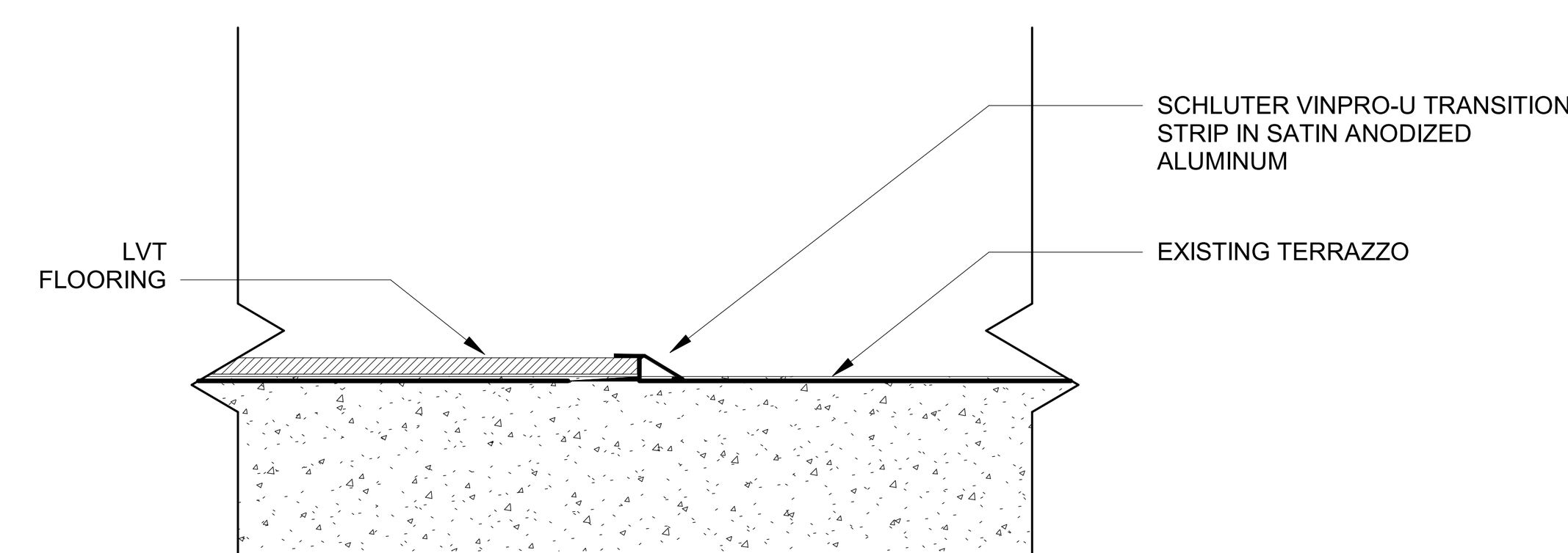


6 A-701 CARPET TO LVT TRANSITION
NOT TO SCALE



1 A-701 TYP. 1ST FLOOR COLUMN CAPITAL
NOT TO SCALE

NOTE:
CONRACTOR TO CONFIRM EXISTING TERRAZZO HEIGHT ON SITE TO CONFIRM THE TRANSITION IS SUITABLE AND NOTIFY DESIGNER.



4 A-701 LVT TO TERRAZZO TRANSITION
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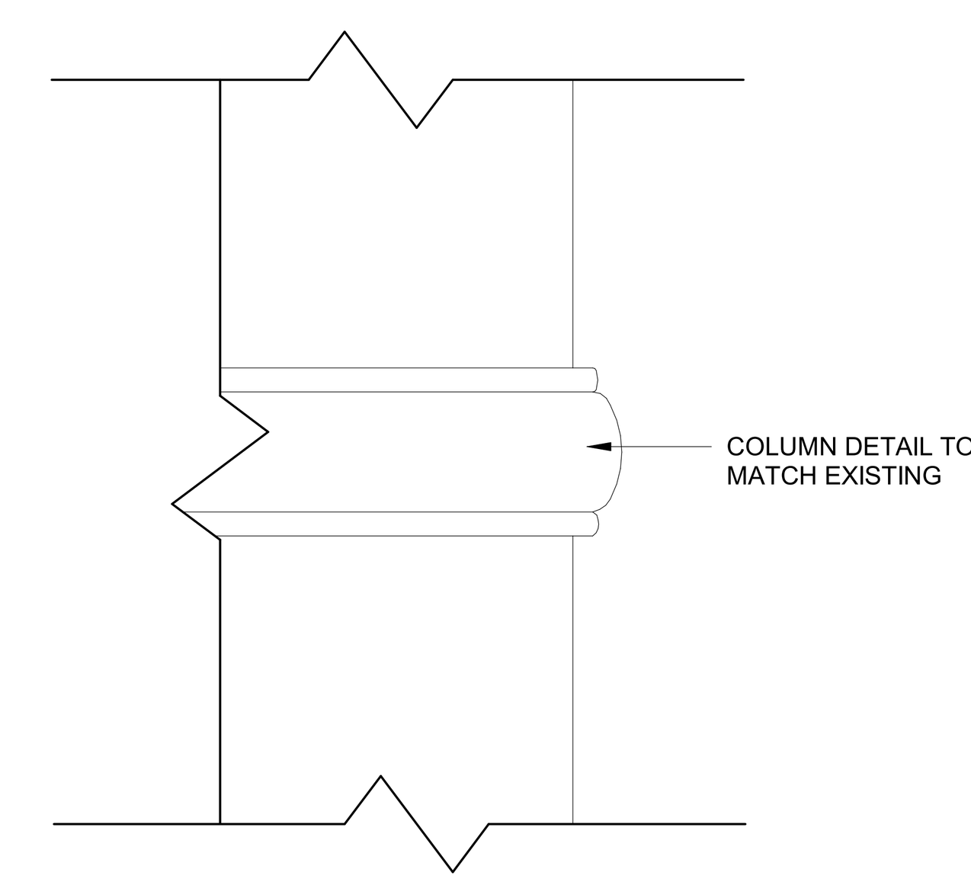

2 A-701 TYP. 1ST FLOOR COLUMN DETAIL
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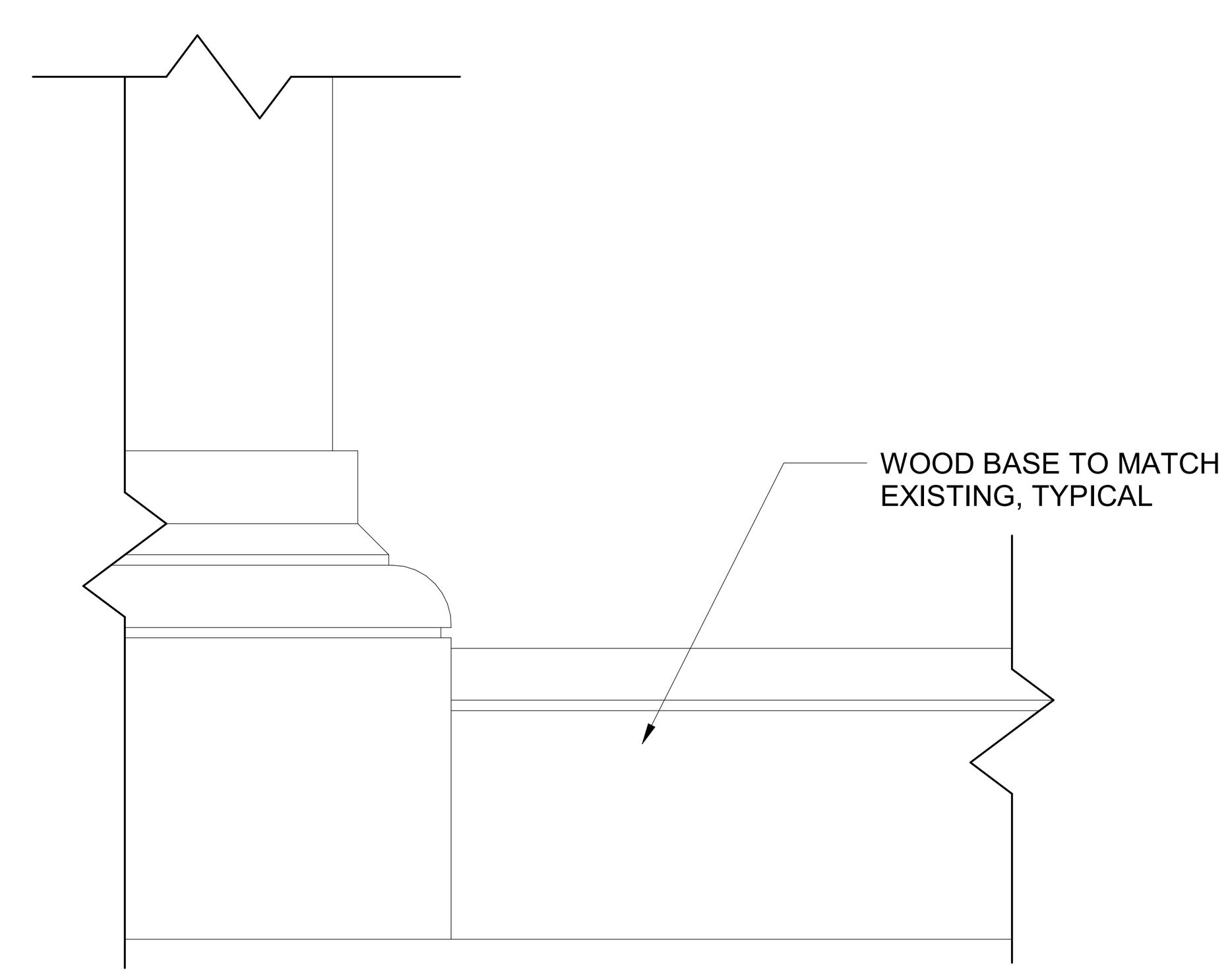
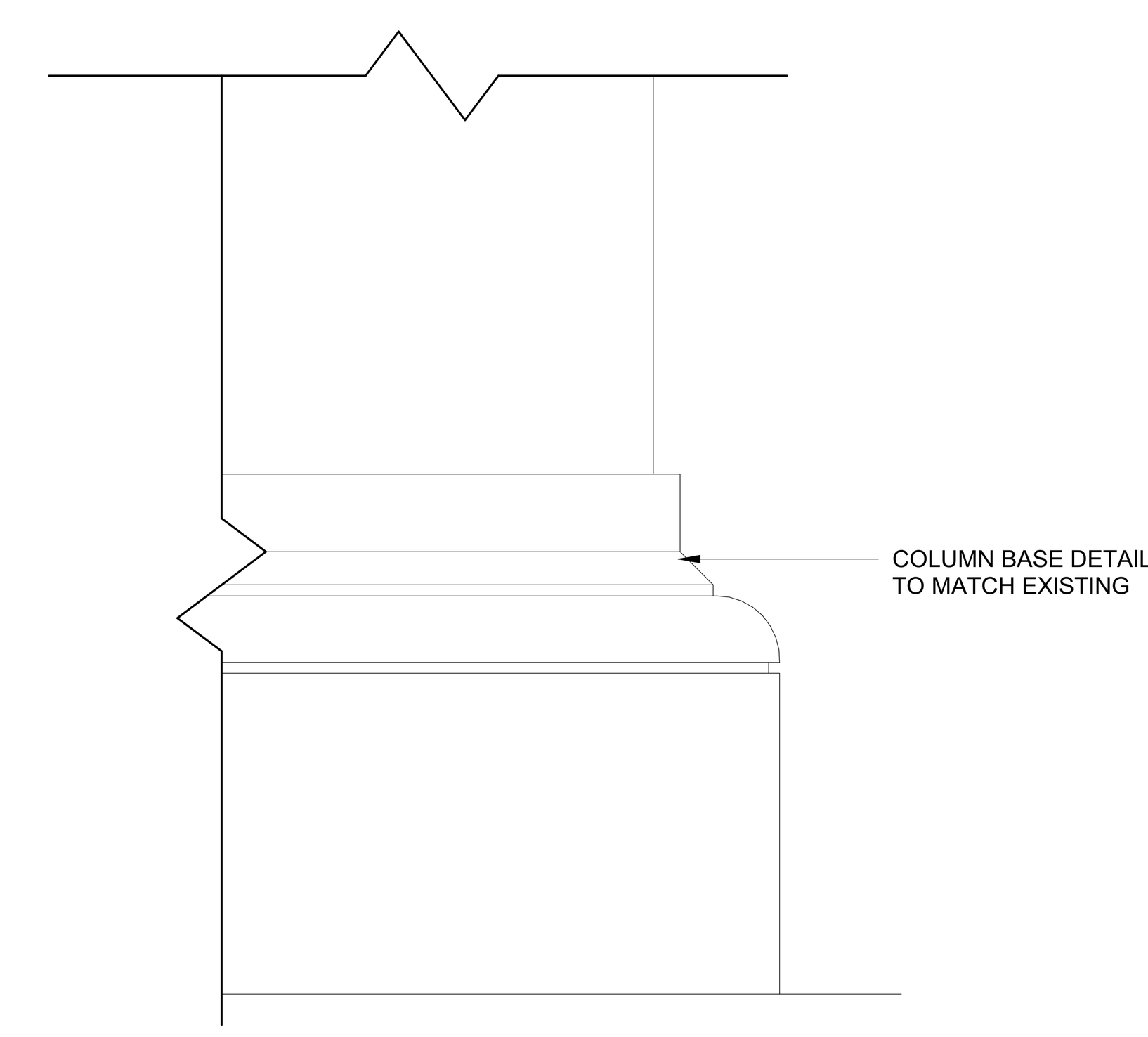


5 A-701 TYP. 1ST FLOOR WALL BASE
NOT TO SCALE



3 A-701 TYP. 1ST FLOOR COLUMN BASE
NOT TO SCALE

GENERAL FINISH NOTES:

1. REFER TO INTERIOR FINISH SPECIFICATIONS FOR SUBMITTAL AND/OR MOCK UP GUIDELINES AND REQUIREMENTS.
2. GENERAL CONTRACTOR TO CONTACT ARCHITECT FOR DIRECTION IN THE EVENT OF CONTRADICTORY INFORMATION BETWEEN DRAWINGS, LEGEND AND / OR SPECIFICATIONS.
3. REFER TO FINISH SCHEDULE AND FINISH PLANS FOR GENERAL FINISHES. REFER TO ALL INTERIOR FINISH NOTES AND INTERIOR DRAWINGS (INCLUDING PLANS, ELEVATIONS AND DETAILS) FOR ADDITIONAL INTERIOR INFORMATION.
4. IF COLOR OR FINISH IS NOT SPECIFIED, CONTACT ARCHITECT FOR DIRECTION.
5. SUBMIT TWO SAMPLES FOR APPROVAL PER MATERIAL SPECIFIED, LABEL EACH TO MATCH THE FINISH LEGEND DESIGNATION. INCLUDE PRODUCT DATA, SEAMING DIAGRAMS AND SHOP DRAWINGS PRIOR TO PROCUREMENT OR FABRICATION.
6. PROVIDE REPRESENTATIVE SAMPLES FROM ALL DYE LOTS REQUIRED TO COMPLETE INSTALLATION. PROVIDE MINIMUM ONE BOX FOR ATTIC STOCK ON ALL TILE PRODUCTS OF EACH SIZES, STYLES AND COLORS.
7. PROVIDE A SUBMITTAL SCHEDULE DEMONSTRATING LEAD TIME MILESTONES FOR ITEMS TO PREVENT NEED FOR SUBSTITUTIONS.
8. CLEAN JOB SITE REMOVING SCRAPS, DEBRIS AND WASTE MATERIALS DAILY.
9. PROVIDE FT BLOCKING IN ALL WALLS TO RECEIVE WALL HUNG EQUIPMENT. CONTRACTOR TO COORDINATE WITH CLIENT ON WALL HUNG EQUIPMENT LOCATIONS AND QUANTITY.
10. ALL LOOSE FURNITURE IS OWNER FURNISHED AND OWNER INSTALLED UNO. CONTRACTOR TO COORDINATE INSTALLATION.
11. SURFACES TO RECEIVE FINISHES SHALL BE CLEAN, TRUE AND FREE OF IRREGULARITIES. WORK SHALL NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. STARTING OF WORK SHALL INDICATE INSTALLER'S ACCEPTANCE OF SUBSTRATE.
12. PROVIDE A SMOOTH, LEVEL 4 DRYWALL FINISH ON ALL GYPSUM BOARD CEILINGS AND SOFFITS, U.N.O.
13. ALL DRYWALL OR EXPOSED STRUCTURE CEILINGS ARE TO BE PAINTED FLAT SHEEN U.N.O.
14. ALL INTERIOR FRAMES, DOORS, TRIM AND BASE, BOTH NEW AND EXISTING WITHIN PROJECT SCOPE SHALL BE PAINTED P-2.
15. PAINT ALL EXPOSED SURFACES. DO NOT PAINT FACTORY FINISHED ITEMS (I.E. EXTRUDED ALUMINUM FRAMES OR STOREFRONTS).
16. PROVIDE MINIMUM THREE-COAT PAINT SYSTEM FOR EACH SUBSTRATE U.N.O.
17. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR USING TEMPORARY FLOOR PROTECTION THROUGHOUT TO SAFEGUARD THE SURFACE QUALITY OF CONCRETE SLABS THAT WILL BE EXPOSED AS FINAL FLOOR FINISH AND ALL FINISH SURFACES.
18. PATCH AND PREP ALL EXISTING WALLS TO REMAIN AND RECEIVE NEW FINISH. CONFIRM EQUIPMENT MOUNTING HEIGHTS AND BLOCKING REQUIREMENTS, COORDINATE EQUIPMENT AND OWNER PROVIDED ITEMS PRIOR TO RE-INSTALLATION.
19. CONTRACTOR TO REMOVE/ PROTECT EXISTING WALL ARTWORK, ACCESSORIES, SIGNAGE, EQUIPMENT, DEVICES, ADVERTISEMENT BANNERS, ETC. AS NEEDED TO PAINT ALL WALL SURFACES. CONTRACTOR TO WRAP/ STORE AND REINSTALL ONCE CONSTRUCTION IS COMPLETE.
20. ANY ITEM DEMOLISHED OR DAMAGED BY DEMOLITION AND NOT SPECIFIED FOR DEMOLITION SHALL BE REPLACED WITH AN EQUAL ITEM AS APPROVED BY OWNER AT NO COST TO OWNER.
21. PROTECT ALL EXISTING FLOOR, WALL, DOOR AND CEILING FINISHES AND/OR FIXTURES TO REMAIN. ANY DAMAGE AS A RESULT OF DEMOLITION OR CONSTRUCTION SHALL BE REPLACED WITH AN EQUAL ITEM AS APPROVED BY OWNER AT NO COST TO OWNER.
22. REPAINT ALL EXISTING & NEW HANDRAILS IN SCOPE OF WORK TO MATCH EXISTING.
23. ALL FINISHES TO BE VERIFIED BY OWNER.

AGS AUGUSTA REGIONAL AIRPORT

Mead & Hunt
Mead & Hunt, Inc.
5955 Core Rd, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

CROFT
www.thecroftgroup.net

AERO SYSTEMS ENGINEERING
"... 17,000 GATES AND COUNTING"
2700 DELK ROAD SE,
MARIETTA, GA 30067
(770) 423-4200 FAX (770) 423-4203

JLA Since 1980
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FAX (706) 724-3955
WWW.THEJLAGROUP.COM

STATE OF GEORGIA
ANTHONY W. IORILLO
REGISTERED ARCHITECT
03/14/2023

AUGUSTA REGIONAL AIRPORT GATES 3 & 4 TERMINAL REHABILITATION

1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED

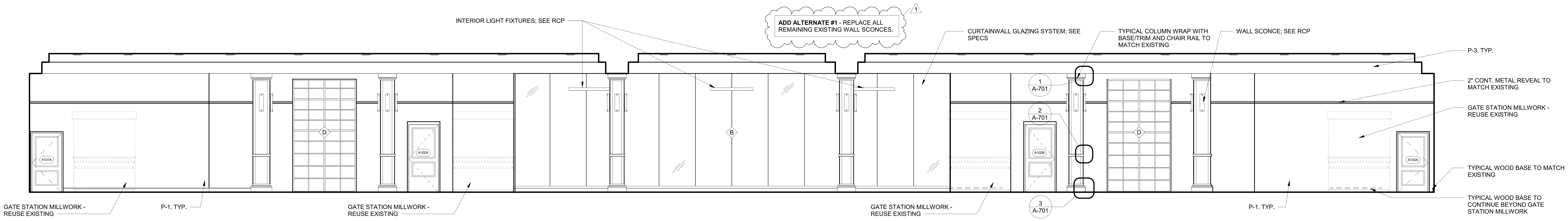
	3/14/2023	FINAL CONSTRUCTION DOCUMENTS
1	5/05/2023	ADDENDUM #1

M&H NO.: 0119700-220766.02
DATE: 03/14/2023
DESIGNED BY: AL
DRAWN BY: BF
CHECKED BY: AL
DO NOT SCALE DRAWINGS

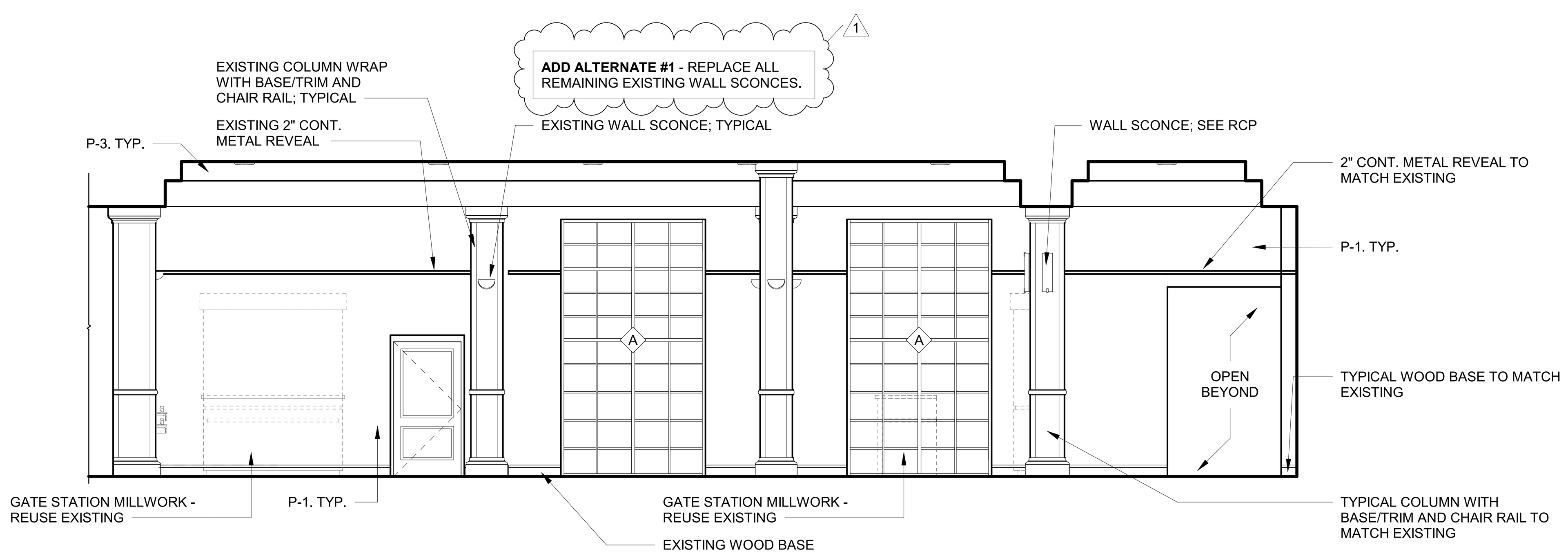
SHEET CONTENTS
ROOM FINISH SCHEDULE & FINISH MATERIAL SPECS

SHEET NO.:
A-701

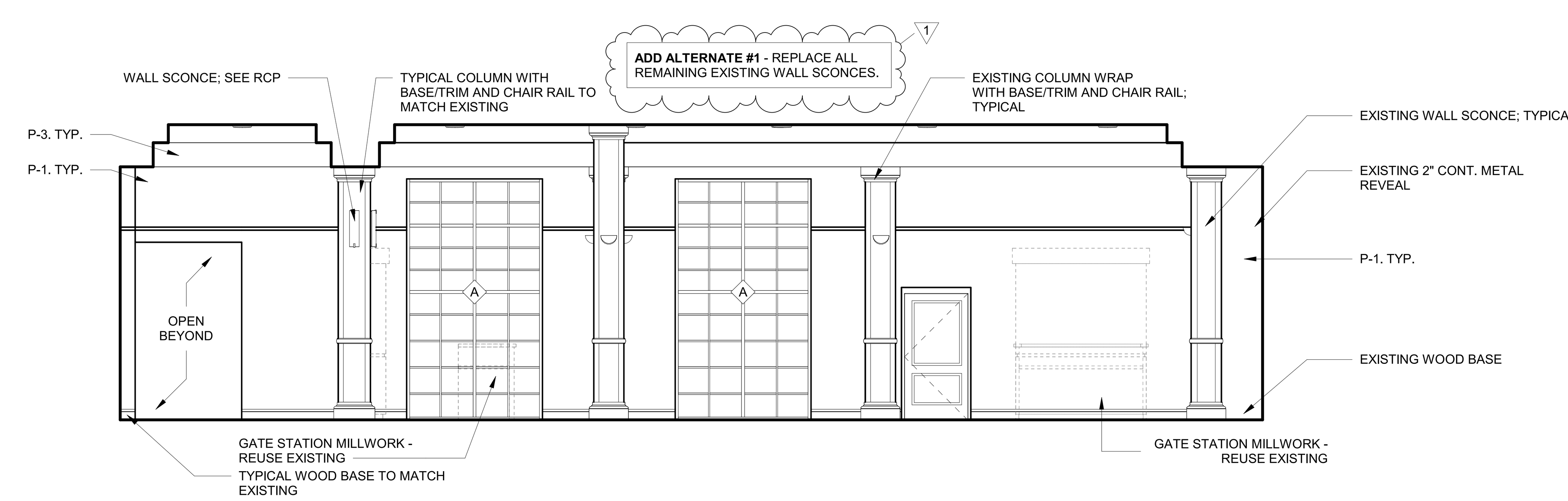
5/14/2023 12:31:36 AM Autodesk Docs://2022-410 Augusta Airport/2022-410_AGS_A23_CENTRAL_.rvt



1 A-731 NORTH WALL ELEVATION
3/16" = 1'-0"
0 5 10 FT



2 A-731 WEST WALL ELEVATION
3/16" = 1'-0"
0 5 10 FT



3 A-731 EAST WALL ELEVATION
3/16" = 1'-0"
0 5 10 FT

AGS AUGUSTA REGIONAL AIRPORT

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STATE OF GEORGIA REGISTERED ARCHITECT

AUGUSTA REGIONAL AIRPORT GATES 3 & 4 TERMINAL REHABILITATION

1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED

	3/14/2023	FINAL CONSTRUCTION DOCUMENTS
1	5/05/2023	ADDENDUM #1

M&H NO.:	0119700-220766.02
DATE:	03/14/2023
DESIGNED BY:	AL/ AA/ IC
DRAWN BY:	IC
CHECKED BY:	AL/ AA

DO NOT SCALE DRAWINGS

SHEET CONTENTS:
INTERIOR ELEVATIONS

SHEET NO.:
A-731

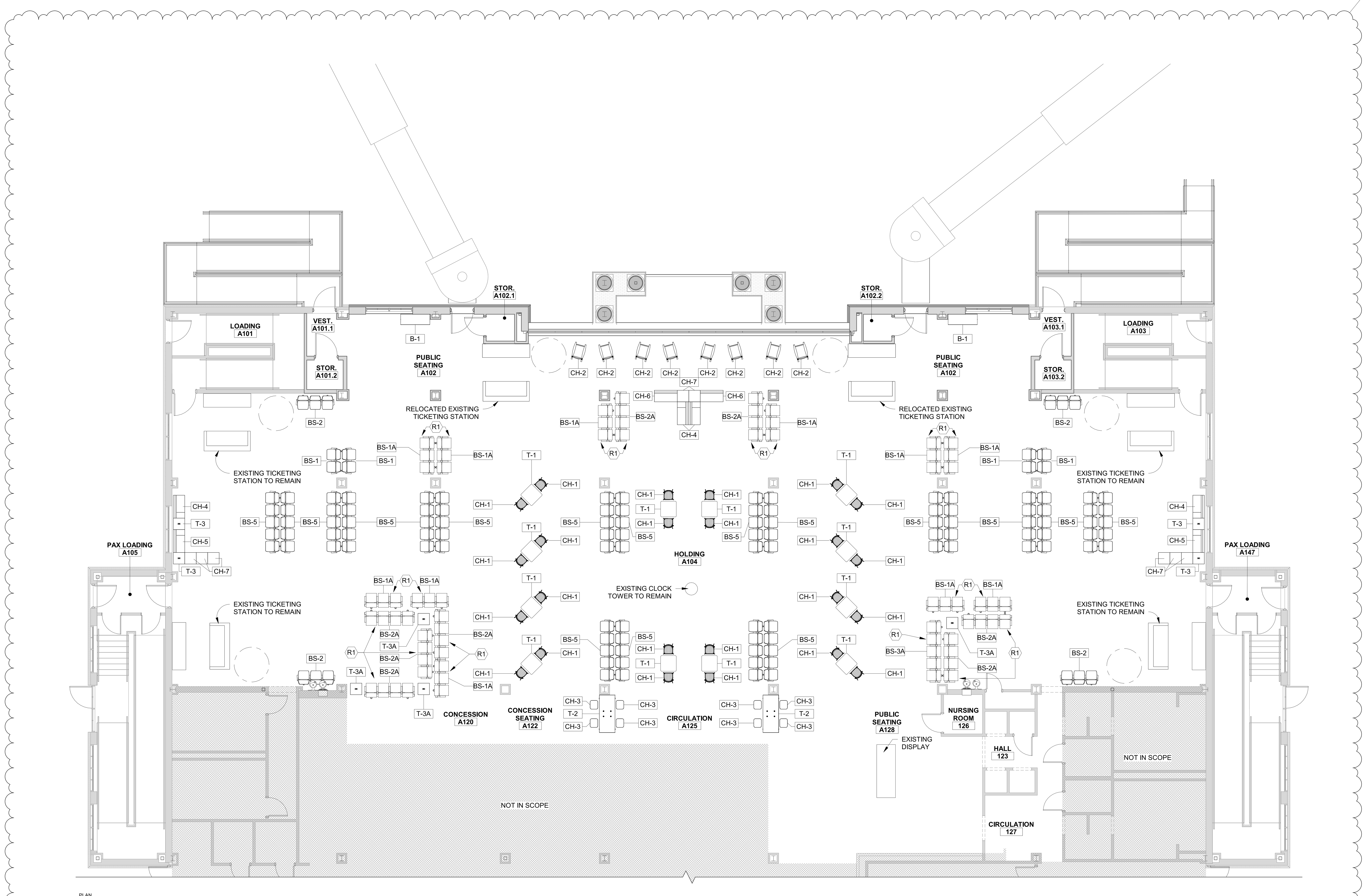
FURNITURE SCHEDULE

TYPE MARK	DESCRIPTION	MANUFACTURER	MODEL	COUNT	COMMENTS
B-1	BENCH	ARCONAS CORPORATION	HOP BENCH	2	
BS-1	BEAM SEAT - 2 SEAT WITH CUP HOLDER	ARCONAS CORPORATION	BERN2SM	4	
BS-1A	BEAM SEAT - 3 SEAT WITH ARM PADS	EXISTING	EXISTING	11	RELOCATED EXISTING
BS-2	BEAM SEAT - 3 SEAT WITH CANTILEVER ARM	ARCONAS CORPORATION	BERN3SM	4	REMOVE OUTER ARM FOR ADA COMPLIANCE
BS-2A	BEAM SEAT - 4 SEAT WITH ARM PADS	EXISTING	EXISTING	8	RELOCATED EXISTING
BS-3A	BEAM SEAT - 5 SEAT WITH ARM PADS	EXISTING	EXISTING	1	RELOCATED EXISTING
BS-5	BEAM SEAT - 5 SEAT WITH CUP HOLDER	ARCONAS CORPORATION	BERN5SM	20	
CH-1	DINING CHAIR	M.A.D.FURNITUREDESIGNCO	THRU-CHAIR-G63	24	
CH-2	LOUNGE CHAIR	FRONTERA	AMERICANA RESORT ROCKER	8	
CH-3	BARSTOOL	ARCONAS CORPORATION	PBSTOOL24	8	
CH-4	SOFA WITH SIDE TABLE	KI, INC.	TLS80Q/FC:WP	4	TABLE LEFT - 44"W x 22"D x 29"H, GLIDES, POWER, LEFT FACING, CONTRAST
CH-5	SOFA WITH SIDE TABLE	KI, INC.	TLS80R/FC:WP	2	TABLE RIGHT - 44"W x 22"D x 29"H, GLIDES, POWER, RIGHT FACING, CONTRAST
CH-6	SOFA	KI, INC.	TLS800/FC	2	22"W x 22"D x 18"H. GLIDES, NO POWER, CONTRAST
CH-7	OTTOMAN	KI, INC.	TL3800/FC	8	22"W x 22"D x 18"H. GLIDES, CONTRAST
T-1	DINING TABLE	STEELCASE	MONTARA	12	30" W x 30"D x 28.5"H
T-2	POWER TABLE	ARCONAS CORPORATION	EM723036	2	POWER INCLUDED
T-3	OCCASIONAL TABLE	KI, INC.	TLE800:WP	4	
T-3A	OCCASIONAL TABLE	EXISTING	EXISTING	4	RELOCATED EXISTING
TS-1	TICKETING STATION	EXISTING	EXISTING	8	

1

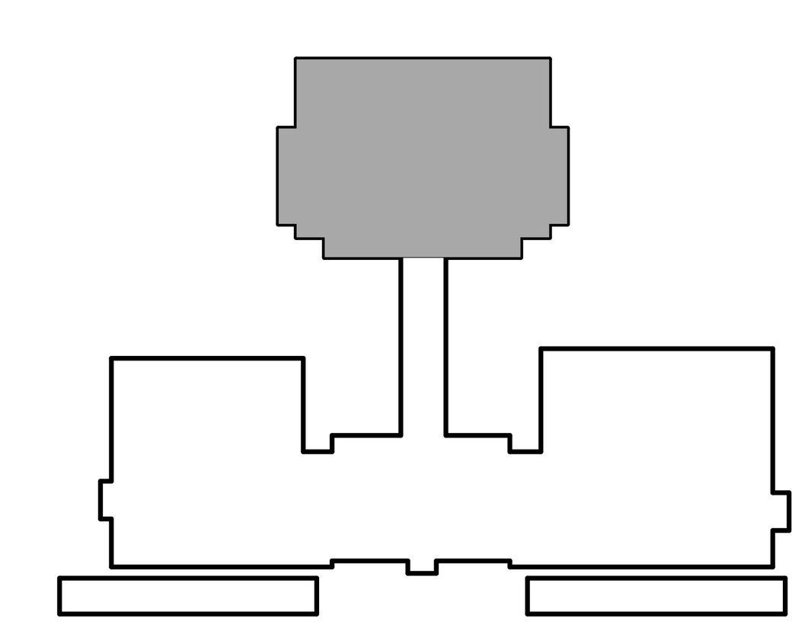
FURNITURE PLAN KEYNOTES

TAG #	TAG DESCRIPTION
R1	RELOCATED EXISTING TANDEM SEATING CAPACITIES, SIZES AND ELECTRICAL TBD



PLAN NORTH

1 A-901 FIRST FLOOR - FURNITURE PLAN
1/8" = 1'-0"
0 5 10 25 FT



KEY PLAN

AUGUSTA REGIONAL AIRPORT

Mead & Hunt

Mead & Hunt, Inc.
5955 Core Rd, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

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FAX (706) 724-3955
WWW.THEJLAGROUP.COM

AUGUSTA REGIONAL AIRPORT GATES 3 & 4 TERMINAL REHABILITATION

1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED

	3/14/2023	FINAL CONSTRUCTION DOCUMENTS
1	5/04/2023	ADDENDUM #1

M&H NO.: 0119700-220766.02
DATE: 03/14/2023
DESIGNED BY: TBW
DRAWN BY: SNT, VRM
CHECKED BY: SJL

DO NOT SCALE DRAWINGS

SHEET CONTENTS
FIRST FLOOR FURNITURE PLAN

SHEET NO.:
A-901

5/5/2023 1:53:33 PM Autodesk Docs://2022-410 Augusta Airport/2022-410_AGS_A23_CENTRAL_.rvt

Augusta GEORGIA

Procurement Department

Mrs. Geri Sams, Director

E-MAILED/MAILED

TO: All Vendors
Tywanna Scott, Quality Assurance Analyst
Herbert Judon, Jr., Augusta Regional Airport

FROM: Geri Sams
Procurement Director

DATE: May 19, 2023

SUBJ: **New Opening Date, Clarifications to the Specifications and Responses to Vendor's Questions**

BID ITEM: **Bid Item #23-187 Augusta Regional Airport Gates 3 and 4 Terminal Rehabilitation for Augusta, GA - Augusta Regional Airport**

NEW BID OPENING DATE: Thursday, June 1, 2023 @ 3:00 p.m.

ADDENDUM NO. 1

This Addendum shall form a part of the referenced Bid Item #23-187 Augusta Regional Airport Gates 3 and 4 Terminal Rehabilitation and any agreement entered into in connection therewith equally as if bound into the original document. Acknowledge receipt of all Addendums on Attachment "B" within the Specifications package.

The Bid Opening Date for Bid Item #23-187 Augusta Regional Airport Gates 3 and 4 Terminal Rehabilitation for Augusta, GA – Augusta Regional Airport has been changed:

From: Wednesday, May 24, 2023 @ 3:00 p.m.

To: Thursday, June 1, 2023 @ 3:00 p.m.

Clarifications to the Specifications:

Project Manual Changes/Clarifications:

1. **Delete Bid Form pages BF-3 and BF-4 and Replace with Revised pages BF-3 and BF-4** herein attached.
2. **Add Specification Section 012200 Unit Prices** (3 pages) in its entirety and herein attached.
3. **Add Specification Section 012300 Alternates** (2 pages) in its entirety and herein attached.
4. **Add Specification Section 316329 Drilled Concrete Piers and Shafts** (10 pages) in its entirety and herein attached.
5. **Add Geotechnical Report** provided by CSRA, Inc. dated April 26, 2023, (19 pages) in its entirety and herein attached.
6. **Add Basis of Design Fixed Passenger Seating Specification** (16 pages) in its entirety and herein attached.

Construction Drawing changes:

1. **Sheet S-001 Structural Notes**
    a. **Revise Structural Design Criteria, Note 8 to read "Net Allowable Soil Bearing Pressure – 2,000 PSF"**
2. **Replace Sheet G-031 Construction Phase Plan with Revised Sheet G-031 Construction Phasing Plan herein attached. Revisions include:**
    a. **Revised Plan 1 / G-031 – First Floor – Phasing Plan.**
    b. **Revised Details 2 / G-031 - Typical Temporary Construction Wall (Plan, Elevation, and Sections).**
    c. **Revised Phasing Plan Keynotes.**
    d. **Revised Phasing Plan Legend.**
    e. **Added General Note 3.**
3. **Replace Sheet A-131 First Floor Reflected Ceiling Plan with Revised Sheet A-131 First Floor Reflected Ceiling Plan herein attached. Revisions include:**
    a. **Revised General Note 25.**
4. **Replace Sheet A-311 Wall Sections with Revised Sheet A-311 Wall Sections herein attached. Revisions include:**
    a. **Revised Wall Section detail 1 / A-311.**
5. **Replace Sheet A-312 Wall Sections with Revised Sheet A-312 Wall Sections herein attached. Revisions include:**
    a. **Revised Wall Section detail 1 / A-312.**
    b. **Revised Wall Section detail 3 / A-312. Updated detail callout references.**
6. **Replace Sheet A-351 Section Details with Revised Sheet A-351 Section Details herein attached. Revisions include:**
    a. **Revised Section detail 3 / A-351.**
    b. **Added Section detail 6 / A-351.**
    c. **Revised Section detail 5 / A-351.**
7. **Replace Sheet A-701 Room Finish Schedule & Finish Material Specs with Revised Sheet A-701 Room Finish Schedule & Finish Material Specs herein attached. Revisions include:**
    a. **Finish material specifications were edited for LVT-1 and LVT-2**
8. **Replace Sheet A-731 Interior Elevations with Revised Sheet A-731 Interior Elevations herein attached. Revisions include:**
    a. **Elevation Detail 1 – add alternate #1 note.**
    b. **Elevation Detail 2 – add alternate #1 note.**
    c. **Elevation Detail 3 – add alternate #1 note.**
9. **Replace Sheet A-901 First Floor Furniture Plan with Revised Sheet A-901 First Floor Furniture Plan herein attached. Revisions include:**
    a. **Updated furniture plan.**
10. **Replace Sheet E-121 Lighting Plan with Revised Sheet E-121 Lighting Plan herein attached. Revisions include:**
    a. **Update plan and notes for wall sconces scope.**
11. **Replace Sheet E-161 Fire Alarm Plan with Revised Sheet E-161 Fire Alarm Plan herein attached. Revisions include:**
    a. **Updated Construction Notes**
12. **Replace Sheet E-602 Electrical Schedules with Revised Sheet E-602 Electrical Schedules herein attached. Revisions include:**
    a. **Updated Lighting Fixture Schedule**

13. ***For Reference Only*** **Replace Sheet PBB-4.1 with Revised Sheet PBB-4.1 herein attached. Revision includes:**
    a. **Revised Detail 2 dimensions**

Responses to Vendor's Questions:

1. Question: Can you please confirm that the procurement and installation of the passenger boarding bridges is included as part of this contract?
   Response: The procurement and installation of the passenger boarding bridges is NOT included as part of this contract. The passenger boarding bridge drawings PBB-1.1 through PBB-7.1 (12 sheets total) are provided F*or Reference Only* and for coordination of the interface to foundation and building elements.
2. **Clarification:**
   Airport Fire Alarm provider is Johnson Controls, Inc.
   Barry "Mack" Wells
   Mack's number is 803-210-5308
   barry.1.wells@jci.com

Please acknowledge addendum in your submittal

END OF ADDENDUM

ATTACHMENTS: **REVISED BID FORM (18 PAGES)**
SECTION 012200 UNIT PRICES (3 PAGES)
SECTION 012300 ALTERNATES (2 PAGES)
SECTION 316329 DRILLED CONCRETE PIERS AND SHAFTS (10 PAGES)
GEOTECHNICAL REPORT CSRA (19 PAGES)
BASIS OF DESIGN FIXED PASSENGER SEATING SPECS (15 PAGES)
REVISED DRAWINGS (12 PAGES)

BID FORM

(Failure to furnish all requested data will be cause for considering BIDDER non-responsive and may render this BID invalid on that basis.)

BID FOR: **AUGUSTA REGIONAL AIRPORT**
GATES 3 AND 4 TERMINAL REHABILITATION

SUBMITTED TO: Augusta-Richmond County
Attn: Procurement Director
535 Telfair Street, Room 605
Augusta, GA 30901

SUBMITTED BY: _____
Bidder's Name

_____
Address

_____
City, State and Zip Code

_____
Phone / Fax Date Completed

1. The undersigned, hereinafter called Bidder, in compliance with the "Notice to Bidders" accepting all of the terms and conditions of the "Instructions to Bidders," including without limitation those dealing with the disposition of the Bid Security; proposes and agrees, if awarded the Contract, to enter into an agreement with the Owner utilizing the form Contract included in the Bid Documents. Bidder shall furnish all materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the work to be performed under the Contract within the time indicated in the contract, in full and complete accordance with the shown, noted, described and reasonably intended requirements of the Contract Documents, to the full and entire satisfaction of the Owner, for the amounts contained in this Bid Schedule.

2. This Bidder's bid shall remain open for one hundred twenty (120) days after the day of Bid opening. If awarded a contract, Bidder will sign the Contract and submit the Contract Security and other documents required by the Contract Documents within fifteen (15) calendar days after the date indicated in Owner's Notice of Award.

3. In submitting this Bid, the Bidder represents that:

   a. Bidder has become thoroughly familiar with the terms and conditions of the Bid Documents accepting the same as sufficient to indicate understanding of all the conditions and requirements under the Contract which will be executed for the Work.

   b. Bidder has examined the site and locality where the Work is to be performed, the legal requirements (federal, state, and local laws, ordinances, rules, and regulations) and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as Bidder deems necessary.

c. This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any person, firm or corporation to refrain from submitting a bid; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over Owner.

d. No member of the Augusta Board of Commissioners, Aviation Commission or other officers or employees of said Owner Is interested directly or indirectly in the bid or in any portion of the bid or in the Contract or any part of the Contract which may be awarded the undersigned on the basis of such bid without such full disclosure being made.

e. It is a condition of this bid and any subsequent contract entered into pursuant to this bid, and it shall be made a condition of each subcontract entered into pursuant to the prime contract that the Contractor and any subcontractor shall not require any laborer to mechanic employed in the performance of the contract to work in surroundings or under working conditions which are unsatisfactory, hazardous, or dangerous to his/her health or safety, as determined under Construction Safety and Health Standards, Title 29 , CFR Part 1518 36FR7340, promulgated by the U.S. Secretary of Labor, in accordance with Section 107 of the Contract Work hours and Safety Standards act, Stat. 96; that is further condition of this bid that Bidder shall be solely responsible for the enforcement of such Construction and Health Standards, and that Bidder fully understands that the Owner and its authorized representatives will not assume any liability resulting from the Contractor's failure to police and enforce all such standards.

f. The description under each bid item, being briefly stated, implies, although it does not mention, all incidentals and that the prices stated are intended to cover all such work, materials and incidentals as constitute Bidder's obligations as described in the Specifications, and any details not specifically mentioned, but evidently included in the Contract shall be compensated for in the item which most logically includes it.

g. The unit prices bid include all applicable taxes and fees. Bids shall also include appropriate provisions for price escalation for materials and labor including but not limited to increases in federal, state and local sales taxes and income or FICA taxes.

4. **Contract Time:** Bidder agrees that:

a. The work will be completed within the timeframes described in the General Provisions and the Construction Documents.

b. Bidder shall commence work with an adequate force and equipment at the time stated in the Notice to Proceed and complete all work by the date established in said Notice. Bidder shall not work overtime or on Saturdays, Sundays, or legal holidays except as specifically allowed by the Contract Documents and approved by the Owner.

c. The quantities of work listed in the Bid Schedules are APPROXIMATE and are assumed solely for the comparison of bids. Compensation will be based upon the unit price bid and the ACTUAL quantities of work performed in accordance with the Contract Documents and as accepted by the ENGINEER.

5. **Bid Schedule:** See attached Pages BF-3 through BF-4.

BID AMOUNT

Base Bid proposed shall include the cost of all of the work of the project.

Base Bid = $_____

Base Bid Written = _____

Alternate 01 Bid = **Add or Deduct (circle one)**
$_____

Alternate Bid Written = _____

Unit Prices: Provide unit prices for items described in Section 012200 Unit Prices. Unit prices are to establish a price per unit of measurement for a portion of the work that may be added to or deducted from the scope of the project.

Unit Price No.	Item Description	Unit of Measure	Unit Price
01	Carpet Tile Flooring CPT-1	Per SF	$
02	Luxury Vinyl Tile Flooring LVT-1	Per SF	$
03	Luxury Vinyl Tile Flooring LVT-2	Per SF	$
04	Ceiling Type A	Per SF	$
05	Ceiling Type D	Per SF	$
06	Lighting Fixture Type B	Per Fixture	$
07	Lighting Fixture Type D	Per Fixture	$

6. **Determination of Low Bidder:** Low bidder will be determined based on the total of the base bid plus, if any alternates are included in documents, all bid alternates regardless of the alternates chosen for the project.

7. **Execution of Contract:** Bidder agrees that in case of failure on its part to execute the said Contract and Bonds within fifteen (15) days after the date indicated in the "Notice of Award," the check or bid bond accompanying this bid, and the money payable thereon, shall be paid to the Owner as liquidated damages for such failure; otherwise the Bid Security or check accompanying this bid shall be returned to the undersigned.

8. **Documentation:** The following required documents are attached to and made a part of this bid
   a. Required Bid Security in the form of a Bid Bond payable to the order of the City of Augusta;
   b. Performance of Work by Subcontractor List;
   c. Certificate of Prompt Payment
   d. DBE Forms
   e. Good Faith Effort forms (if necessary)

9. Name and business address (mailing and street) of Bidder to which all formal notices shall be sent:

_____

_____

_____

10. The terms used in this bid, which are defined in the General Provisions of the Construction Contract as a part of the Contract Documents, have the meanings assigned to them in the General Provisions.

11. Bidder hereby acknowledges receipt of the following addenda:

Addendum No.	Date
_____	_____
_____	_____
_____	_____

12. The Bidder shall state on the line below, if a corporation, the name of state in which incorporated and the date of said corporation.

_____

Signed this _____ day of _____, 20_____.

Contractor

_____

By: _____

(Signature of individual, partner or officer signing the Bid)

(SEAL)

_____

License Number

ATTEST: _____

NOTE: If Contractor is a Corporation, Secretary should attest seal. Seal is required if Bidder is a Corporation. If Contractor is a Partnership, all partners shall execute the bid (add spaces as required).

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned

as **Principal,** and

as **Surety,** are hereby

held and firmly bound unto _____ as **Owner**

in the penal sum of _____Ten Percent of Bid Amount_____

for the payment of which, well and truly to be made, we hereby jointly and severally

bind ourselves, our heirs, executors, administrators, successors, and assigns.

Signed this _____ day of _____, 20____.

The conditions of the above obligation is such that whereas the Principal has submitted to the Augusta Airport Aviation Commission certain Bill, attached hereto and hereby made a part hereof to enter into a Contract in writing for the Construction of:

GATES 3 AND 4 TERMINAL REHABILITATION

NOW THEREFORE,

(a) If said bid shall be rejected, or in the alternate,
(b) If said bid shall be accepted, and the Principal shall execute and deliver a Contract in the Form of Contract attached hereto (properly completed in accordance with said Bill) and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said Bill, the this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, thereby stipulates and agrees that obligations of said Surety and its Bonds shall be in no way impaired or affected by any extension of the time within which the Owner may accept such bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

(L.S.)
Principal

Surety

By:

(SEAL)

(1) Date of Bond must be same date as bid.

(2) Bond must be signed or countersigned by Surety's proper Georgia Resident Agent. Date of Power-of-Attorney shall be same date as date of Bond.

(3) If a Partnership, all partners shall execute Bond.

PERFORMANCE OF WORK BY SUBCONTRACTORS

The Bidder hereby states that he proposes to use the subcontractors listed below on this project if awarded the Contract. Please list all proposed subcontractors, trade specialty and dollar value of their work. The Bidder shall obtain prior written permission of the Owner should it choose to add or substitute other subcontractor(s) not shown below.

Subcontractor Name/Address/Phone Number	Subcontractor Work Items	Dollar Value of Subcontractor Work

Estimated Total Cost of Items that Bidder states will be performed by Subcontractors is:

$_____.

This page intentionally left blank.

CERTIFICATION OF PROMPT PAYMENT

The prime Contractor agrees to pay each subcontractor under this prime contract for satisfactory performance of its contract no later than thirty (30) days from the receipt of each payment the prime Contractor receives from the Owner. The prime Contractor further agrees to return retainage payments to each subcontractor within thirty (30) days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval from the Owner. This clause applies to both DBE and non-DBE subcontractors.

Name of Bidder's Authorized Representative (Please Print or Type Name)	Signature of Bidder's Authorized Representative
Title of Bidder's Authorized Representative	Date

This page intentionally left blank.

LETTER OF INTENT
Disadvantage Business Enterprise
(This page shall be submitted for each DBE firm)

Bidder/Offer Name: _____

Address: _____

City: _____ State: _____ Zip: _____

DBE Firm: DBE Firm: _____

Address: _____

City: _____ State: _____ Zip: _____

DBE Contact Person: Name: _____ Phone:( ) _____

DBE Certifying Agency: _____ Expiration Date: _____

Each DBE Firm shall submit evidence (such as a photocopy) of their certification status.

Classification: ☐ Prime Contractor ☐ Subcontractor ☐ Joint Venture ☐ Manufacturer ☐ Supplier

Work item(s) to be performed by DBE	Description of Work Item	Quantity	Total

The Bidder/offeror is committed to utilizing the above-named DBE firm for the work described above. The estimated participation is as follows:

DBE contract amount: $_____ Percent of total contract: _____%

AFFIRMATION:
The above-named DBE firm affirms that it will perform that portion of the contract for the estimated dollar value as stated herein above.

By: _____
(Signature) *(Title)*

* In the event the bidder/offeror does not receive award of the prime contract, any and all representations in this Letter of Intent and Affirmation shall be null and void.

This page intentionally left blank.

UTILIZATION STATEMENT

Disadvantage Business Enterprise (DBE)

The undersigned Bidder has satisfied the requirements of the bid specification in the following manner. *(Please mark the appropriate box)*

- ☐ **The Bidder is committed to a minimum of _____% DBE utilization on this contract.**
- ☐ **The Bidder, while unable to meet the DBE contract goal of_____%, hereby commits to a minimum of ____% DBE utilization on this contract and submits the attached documentation as evidence demonstrating good faith efforts (GFE) in seeking participation by certified DBE firms.**

The undersigned hereby further assures that the information included herein is true and correct, and that the DBE firm or firms identified within the submitted Letter-of-Intent forms have agreed to perform a commercially useful function for the indicated work elements.

The undersigned further understands that no changes to this statement may be made without prior approval from the Owner and the Federal Aviation Administration.

_____

Bidder's / Offeror's Firm Name

_____ _____

Signature Date

DBE UTILIZATION SUMMARY

	Contract amount		DBE Amount	Contract
Percentage				
DBE Prime Contractor ccCoContractor	**$**	**x 1.00 =**	**$**	**%**
DBE Subcontractor	**$**	**x 1.00 =**	**$**	**%**
DBE Supplier	**$**	**x 0.60 =**	**$**	**%**
DBE Manufacturer	**$**	**x 1.00 =**	**$**	**%**
Total Amount DBE			**$**	**%**
DBE Goal			**$**	**%**

* If the total proposed DBE participation is less than the established DBE goal, Bidder/Proposer must provide written documentation of the good faith efforts as required by 49 CFR Part 26. All participation will be calculated in accordance with 49 CFR Part 26 and its applicable subparts.

Description of Good Faith Efforts

If you will not meet the Disadvantage Business Enterprises (DBE) goal set forth in the solicitation in addition to the information included on the Statement of Interested Subcontractors and Statement of Bid Proposals/Price Quotations submitted with your bid/proposal, please provide a narrative explanation of why you cannot meet the DBE goal and the steps taken to include DBEs in your proposal/bid. Describe specific actions (i.e. phone calls, etc.). Please provide copies of any solicitation notices sent, whether by email, fax or mail, and the amount of time given for response. Describe efforts to follow up initial communications. Identify the individuals from your organization who performed these activities. Attach additional pages as needed.

I hereby attest that I have exercised good faith efforts to meet the City's federally required Disadvantaged Business Enterprise goals for this Project. Despite such good faith efforts, I have not been able to meet the DBE goal for this Project.

_____
Signature

_____
Name and Title (typed or printed)

_____
Name of Firm

CHECKLIST OF GOOD FAITH EFFORTS

A Bidder or Proposer that does not meet the City's DBE participation benchmark is required to demonstrate that it made "**good faith efforts**." Please indicate whether any of the following actions were taken.

	Yes	No	
1.	☐	☐	Attendance at a Pre-Bid Meeting, if any, scheduled by the City inform DBEs of subcontracting opportunities under a given solicitation; Advertisement for solicitation of DBEs in general circulation media, trade association publications, and minority-focus media, to provide notice of subcontracting opportunities.
2.	☐	☐	Advertisement in general circulation media at least seven (7) days prior to Bid or proposal opening any and all Subcontractor opportunities. Proof of advertisement must be submitted with the Bid or Proposal.
3.	☐	☐	Provided interested DBEs with timely, adequate information about the plans, specifications, and other such requirements of the Contract to facilitate their quotation and conducted follow up to initial solicitations.
4.	☐	☐	Provided written notice to DBEs that their interest in subcontracting opportunities or furnishing supplies is solicited. Provided a contact log showing the name, address, email and contact number (phone or fax) used to contact the proposed certified subcontractors, nature of work requested for quote, date of contact, the name and title of the person making the effort, and the amount of the quoted price if one was obtained.
5.	☐	☐	Efforts were made to divide the work for DBE subcontracting in areas likely to be successful and identify portions of work available to DBEs consistent with their availability. Include a list of divisions of work not subcontracted and the corresponding reasons for not including them. The ability or desire of a Bidder/Proposer to perform the work of a contract with its own organization does not relieve it of the responsibility to make good faith efforts on all scopes of work subject to subcontracting.
6.	☐	☐	Efforts were made to assist potential DBE subcontractors to meet bonding, insurance or other governmental contracting requirements. Where feasible, facilitating the leasing of supplies or equipment when they are of such a specialized nature that a DBE could not readily and economically obtain them in the marketplace.
7.	☐	☐	Utilization of services of available minority community organizations, minority contractor groups and other organizations that provide assistance in the recruitment and placement of DBEs.
8.	☐	☐	Communication with the GDOT or the City's DBE Office seeking assistance in identifying available DBEs.
9.	☐	☐	Exploration of joint venture opportunities with DBEs.
10.	☐	☐	Other actions (specify): _____

Please provide written explanation to any "no" answers listed above (by number):

This list is a guideline and by no means exhaustive. The City will review these efforts, along with other documents, towards assessing the Bidder/Proposer's efforts to meet the City's DBE benchmark. If you require assistance in identifying certified DBEs, please contact the Procurement Department or check the GDOT website.

SECTION 012200 - UNIT PRICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for unit prices.

1.3 DEFINITIONS

A. Unit price is a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.4 PROCEDURES

A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.

B. Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.

C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.

D. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the Part 3 "Schedule of Unit Prices" Article contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

A. Unit Price No. 01: Carpet Tile Flooring CPT-1.

1. Description: Purchase and Installation of additional carpet tile CPT-1 flooring. Price includes removal of existing floor material, clean and preparation of existing slab to receive new carpet, and labor and materials for new flooring material installation.
2. Unit of Measurement: per Square Foot (SF) of floor area.

B. Unit Price No. 02: Luxury Vinyl Tile (Plank) Flooring LVT-1.

1. Description: Purchase and Installation of additional luxury vinyl tile LVT-1 flooring. Price includes removal of existing floor material, clean and preparation of existing slab to receive new carpet, and labor and materials for new flooring material installation.
2. Unit of Measurement: per Square Foot (SF) of floor area.

C. Unit Price No. 03: Luxury Vinyl Tile (Plank) Flooring LVT-2.

1. Description: Purchase and Installation of additional luxury vinyl tile LVT-2 flooring. Price includes removal of existing floor material, clean and preparation of existing slab to receive new carpet, and labor and materials for new flooring material installation.
2. Unit of Measurement: per Square Foot (SF) of floor area.

D. Unit Price No. 04: Ceiling Type A.

1. Description: Purchase and Installation of additional ceiling material Type A as identified on the finish schedule. Price includes removal of existing ceiling material, and labor and materials for new ceiling material.
2. Unit of Measurement: per Square Foot (SF) of floor area.

E. Unit Price No. 05: Ceiling Type D.

1. Description: Purchase and Installation of additional ceiling material Type D as identified on the finish schedule. Price includes removal of existing ceiling material, and labor and materials for new ceiling material.
2. Unit of Measurement: per Square Foot (SF) of floor area.

F. Unit Price No. 06: Lighting fixture Type B.

1. Description: Purchase and Installation of additional type B lighting fixtures. Price includes removal of existing fixture, and labor and materials for new fixture in same location.
2. Unit of Measurement: per fixture.

G. Unit Price No. 07: Lighting fixture Type D.

1. Description: Purchase and Installation of additional type D lighting fixtures. Price includes removal of existing fixture, and labor and materials for new fixture in same location.
2. Unit of Measurement: per fixture.

END OF SECTION 012200

SECTION 012300 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.

1. Include, as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation, whether or not indicated as part of alternate.

B. Execute accepted alternates under the same conditions as other Work of the Contract.

C. Schedule: A Part 3 "Schedule of Alternates" Article is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate No. 01.
   1. Replace all remaining wall sconce light fixtures in Hold Room with new Type D light fixture.
   2. Quantity: 40 additional fixtures.

END OF SECTION 012300

SECTION 316329 - DRILLED CONCRETE PIERS AND SHAFTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Dry-installed drilled piers.
2. Slurry displacement-installed drilled piers.
3. Dry-installed or slurry displacement-installed drilled piers at Contractor's choice.

1.2 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1. Review methods and procedures related to drilled piers including, but not limited to, the following:

a. Review geotechnical report.
b. Discuss existing utilities and subsurface conditions.
c. Review coordination with temporary controls and protections.
d. Review measurement and payment of unit prices.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Design Mixtures: For each concrete mixture. Submit alternative design mixtures when characteristics of materials, Project conditions, weather, test results, or other circumstances warrant adjustments.

1. Indicate amounts of mixing water to be withheld for later addition at Project site.

C. Shop Drawings: For concrete reinforcement, detailing fabricating, bending, supporting, and placing.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer.

B. Welding certificates.

C. Material Certificates: From manufacturer, for the following:

1. Cementitious materials.

2. Admixtures.
3. Steel reinforcement and accessories.

D. Material Test Reports: For each material below, by a qualified testing agency:

1. Aggregates: Include service record data indicating absence of deleterious expansion of concrete due to alkali aggregate reactivity.

E. Field quality-control reports.

1.5 CLOSEOUT SUBMITTALS

A. Record drawings.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: An experienced installer that has specialized in drilled-pier work.

B. Testing Agency Qualifications: Qualified according to ASTM C1077, ASTM D3740, and ASTM E329 for testing indicated.

C. Welding Qualifications: Qualify procedures and personnel according to the following:

1. AWS D1.1/D1.1M, "Structural Welding Code - Steel."
2. AWS D1.4/D1.4M, "Structural Welding Code - Reinforcing Steel."

1.7 FIELD CONDITIONS

A. Existing Utilities: Locate existing underground utilities before excavating drilled piers. If utilities are to remain in place, provide protection from damage during drilled-pier operations.

1. Should uncharted or incorrectly charted piping or other utilities be encountered during excavation, adapt drilling procedure if necessary to prevent damage to utilities. Cooperate with Owner and utility companies in keeping services and facilities in operation without interruption. Repair damaged utilities to satisfaction of utility owner.

B. Interruption of Existing Utilities: Do not interrupt any utility to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility according to requirements indicated:

1. Notify Architect and Owner no fewer than two days in advance of proposed interruption of utility.
2. Do not proceed with interruption of utility without Architect's and Owner's written permission.

C. Project-Site Information: A geotechnical report has been prepared for this Project and is available for information only. The opinions expressed in this report are those of geotechnical engineer and represent interpretations of subsoil conditions, tests, and results of analyses

conducted by geotechnical engineer. Owner is not responsible for interpretations or conclusions drawn from this data.

1. Make additional test borings and conduct other exploratory operations necessary for drilled piers.
2. The geotechnical report is referenced elsewhere in the Project Manual.

D. Survey Work: Engage a qualified land surveyor or professional engineer to perform surveys, layouts, and measurements for drilled piers. Before excavating, lay out each drilled pier to lines and levels required. Record actual measurements of each drilled pier's location, shaft diameter, bottom and top elevations, deviations from specified tolerances, and other specified data.

1. Record and maintain information pertinent to each drilled pier and indicate on record Drawings. Cooperate with Owner's testing and inspecting agency to provide data for required reports.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Drilled-Pier Standard: Comply with ACI 336.1 except as modified in this Section.

2.2 STEEL REINFORCEMENT

A. Reinforcing Bars: ASTM A615/A615M, Grade 60 (Grade 420), deformed.

B. Low-Alloy-Steel Reinforcing Bars: ASTM A706/A706M, deformed.

2.3 CONCRETE MATERIALS

A. Cementitious Material: Use the following cementitious materials, of same type, brand, and source, throughout Project:

1. Portland Cement: ASTM C150/C150M, Type I Type II Type I/II. Supplement with the following:

a. Fly Ash: ASTM C618, Class F.
b. Ground Granulated Blast-Furnace Slag: ASTM C989, Grade 100 or 120.

B. Normal-Weight Aggregate: ASTM C33/C33M, graded, 3/4-inch- (19-mm-) nominal maximum coarse-aggregate size. Provide aggregate from a single source with documented service record data of at least 10 years' satisfactory service in similar applications and service conditions using similar aggregates and cementitious materials.

1. Fine Aggregate: Free of materials with deleterious reactivity to alkali in cement.

C. Water: ASTM C94/C94M and potable.

D. Chemical Admixtures: Provide admixtures certified by manufacturer to be compatible with other admixtures and that do not contribute water-soluble chloride ions exceeding those permitted in hardened concrete. Do not use calcium chloride or admixtures containing calcium chloride.

1. Water-Reducing Admixture: ASTM C494/C494M, Type A.
2. Water-Reducing and Retarding Admixture: ASTM C494/C494M, Type D.
3. High-Range, Water-Reducing and Retarding Admixture: ASTM C494/C494M, Type G.
4. Plasticizing and Retarding Admixture: ASTM C1017/C1017M, Type II.

E. Sand-Cement Grout: Portland cement, ASTM C150/C150M, Type II; clean natural sand, ASTM C404; and water to result in grout with a minimum 28-day compressive strength of 1000 psi (6.9 MPa), of consistency required for application.

2.4 STEEL CASINGS

A. Steel Pipe Casings: ASTM A283/A283M, Grade C, or ASTM A36/A36M, carbon-steel plate, with joints full-penetration welded according to AWS D1.1/D1.1M.

B. Corrugated-Steel Pipe Casings: ASTM A929/A929M, steel sheet, zinc coated.

C. Liners: Comply with ACI 336.1.

2.5 SLURRY

A. Slurry: Pulverized bentonite, pulverized attapulgite, or polymers mixed with water to form stable colloidal suspension; complying with ACI 336.1 for density, viscosity, sand content, and pH.

2.6 CONCRETE MIXTURES

A. Prepare design mixtures for each type and strength of concrete, proportioned on the basis of laboratory trial mixture or field test data, or both, according to ACI 301 (ACI 301M).

B. Cementitious Materials: Limit percentage, by weight, of cementitious materials other than portland cement according to ACI 301 (ACI 301M) limits as if concrete were exposed to deicing chemicals.

C. Limit water-soluble, chloride-ion content in hardened concrete to **[0.15]** **[0.30]** percent by weight of cement.

D. Proportion normal-weight concrete mixture as follows:

1. Compressive Strength (28 Days): 4000 psi (27.6 MPa).
2. Maximum Water-Cementitious Materials Ratio: 0.45.
3. Minimum Slump: Capable of maintaining the following slump until completion of placement:

a. 4 inches (100 mm) for dry, uncased, or permanent-cased drilling method.

b. 6 inches (150 mm) for temporary-casing drilling method.
c. 7 inches (175 mm) for slurry displacement method.

4. Air Content: Do not air entrain concrete.

2.7 REINFORCEMENT FABRICATION

A. Fabricate steel reinforcement according to CRSI's "Manual of Standard Practice."

2.8 CONCRETE MIXING

A. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete according to ASTM C94/C94M, and furnish batch ticket information.

1. When air temperature is between 85 and 90 deg F (30 and 32 deg C), reduce mixing and delivery time from 1-1/2 hours to 75 minutes; when air temperature is above 90 deg F (32 deg C), reduce mixing and delivery time to 60 minutes.

PART 3 - EXECUTION

3.1 PREPARATION

A. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, vibration, and other hazards created by drilled-pier operations.

3.2 EXCAVATION

A. Unclassified Excavation: Excavate to bearing elevations regardless of character of surface and subsurface conditions encountered. Unclassified excavated materials may include rock, soil materials, and obstructions.

1. Obstructions: Unclassified excavation may include removal of unanticipated boulders, concrete, masonry, or other subsurface obstructions. No changes in the Contract Sum or the Contract Time are authorized for removal of obstructions.
2. Obstructions: Unclassified excavated materials may include removal of unanticipated boulders, concrete, masonry, or other subsurface obstructions. Payment for removing obstructions that cannot be removed by conventional augers fitted with soil or rock teeth, drilling buckets, or underreaming tools attached to drilling equipment of size, power, torque, and downthrust necessary for the Work is according to Contract provisions for changes in the Work.

B. Classified Excavation: Excavation is classified as standard excavation, special excavation, and obstruction removal and includes excavation to bearing elevations as follows:

1. Standard excavation includes excavation accomplished with conventional augers fitted with soil or rock teeth, drilling buckets, or underreaming tools attached to drilling equipment of size, power, torque, and downthrust necessary for the Work.

2. Special excavation includes excavation that requires special equipment or procedures where drilled-pier excavation equipment used in standard excavation, operating at maximum power, torque, and downthrust, cannot advance the shaft.

    a. Special excavation requires use of special rock augers, core barrels, air tools, blasting, or other methods of hand excavation.
    b. Earth seams, rock fragments, and voids included in rock excavation area are considered rock for full volume of shaft from initial contact with rock.

3. Obstructions: Payment for removing unanticipated boulders, concrete, masonry, or other subsurface obstructions that cannot be removed by conventional augers fitted with soil or rock teeth, drilling buckets, or underreaming tools attached to drilling equipment of size, power, torque, and downthrust necessary for the Work is according to Contract provisions for changes in the Work.

C. Prevent surface water from entering excavated shafts. Conduct water to site drainage facilities.

D. Excavate shafts for drilled piers to indicated elevations. Remove loose material from bottom of excavation.

1. Excavate bottom of drilled piers to level plane within 1:12 tolerance.
2. Remove water from excavated shafts before concreting.
3. Cut series of grooves about perimeter of shaft to height from bottom of shaft, vertical spacing, and dimensions indicated.

E. Notify and allow testing and inspecting agency to test and inspect bottom of excavation. If unsuitable bearing stratum is encountered, make adjustments to drilled piers as determined by Architect.

1. Do not excavate shafts deeper than elevations indicated unless approved by Architect.
2. Payment for additional authorized excavation is according to Contract provisions for changes in the Work.

F. End-Bearing Drilled Piers: Probe with auger to a depth below bearing elevation, equal to diameter of the bearing area of drilled pier. Determine whether voids, clay seams, or solution channels exist.

1. Test each drilled pier.
2. Fill augur-probe holes with grout.

G. Excavate shafts for closely spaced drilled piers and for drilled piers occurring in fragile or sand strata only after adjacent drilled piers are filled with concrete and allowed to set.

H. Slurry Displacement Method: Stabilize excavation with slurry maintained a minimum of 60 inches (1500 mm) above ground-water level and above unstable soil strata to prevent caving or sloughing of shaft. Maintain slurry properties before concreting.

1. Excavate and complete concreting of drilled pier on same day, or redrill, clean, and test slurry in excavation before concreting.

I. Temporary Casings: Install watertight steel casings of sufficient length and thickness to prevent water seepage into shaft; to withstand compressive, displacement, and withdrawal stresses; and to maintain stability of shaft walls.

1. Remove temporary casings, maintained in plumb position, during concrete placement and before initial set of concrete.

J. Bells: Excavate bells for drilled piers to shape, base thickness, and slope angle indicated. Excavate bottom of bells to level plane and remove loose material before placing concrete.

1. Shore bells in unstable soil conditions to prevent cave-in during excavation, inspection, and concreting.

K. Tolerances: Construct drilled piers to remain within ACI 336.1 tolerances.

1. If location or out-of-plumb tolerances are exceeded, provide corrective construction. Submit corrective construction proposals to Architect for review before proceeding.

3.3 STEEL REINFORCEMENT INSTALLATION

A. Comply with recommendations in CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.

B. Clean reinforcement of loose rust and mill scale, earth, and other materials that reduce or destroy bond with concrete.

C. Fabricate and install reinforcing cages symmetrically about axis of shafts in a single unit.

D. Accurately position, support, and secure reinforcement against displacement during concreting. Maintain minimum cover over reinforcement.

E. Use templates to set anchor bolts, leveling plates, and other accessories furnished in work of other Sections. Provide blocking and holding devices to maintain required position during final concrete placement.

F. Protect exposed ends of extended reinforcement, dowels, or anchor bolts from mechanical damage and exposure to weather.

3.4 CONCRETE PLACEMENT

A. Place concrete in continuous operation and without segregation immediately after inspection and approval of shaft by a qualified Special Inspector.

B. Dry Method: Place concrete to fall vertically down the center of drilled pier without striking sides of shaft or steel reinforcement.

1. Where concrete cannot be directed down shaft without striking reinforcement, place concrete with chutes, tremies, or pumps.
2. Vibrate top 60 inches (1500 mm) of concrete.

C. Slurry Displacement Method: Place concrete in slurry-filled shafts by tremie methods or pumping. Control placement operations to ensure that tremie or pump pipe is embedded no less than 60 inches (1500 mm) into concrete and that flow of concrete is continuous from bottom to top of drilled pier.

D. Coordinate withdrawal of temporary casings with concrete placement to maintain at least a 60-inch (1500-mm) head of concrete above bottom of casing.

1. Vibrate top 60 inches (1500 mm) of concrete after withdrawal of temporary casing.

E. Screed concrete at cutoff elevation level and apply scoured, rough finish. Where cutoff elevation is above the ground elevation, form top section above grade and extend shaft to required elevation.

F. Protect concrete work, according to ACI 301 (ACI 301M), from frost, freezing, or low temperatures that could cause physical damage or reduced strength.

1. Do not use frozen materials or materials containing ice or snow. Do not place concrete on frozen subgrade or on subgrade containing frozen materials.
2. Do not use calcium chloride, salt, or other mineral-containing antifreeze agents or chemical accelerators.

G. If hot-weather conditions exist that would seriously impair quality and strength of concrete, place concrete according to ACI 301 (ACI 301M) to maintain delivered temperature of concrete at no more than 90 deg F (32 deg C).

1. Place concrete immediately on delivery. Keep exposed concrete surfaces and formed shaft extensions moist by fog sprays, wet burlap, or other effective means for a minimum of seven days.

3.5 FIELD QUALITY CONTROL

A. Special Inspections: Owner will engage a qualified special inspector to perform the following special inspections:

1. Drilled piers.
2. Excavation.
3. Concrete.
4. Steel reinforcement welding.

B. Drilled-Pier Tests and Inspections: For each drilled pier, before concrete placement.

1. Soil Testing: Bottom elevations, bearing capacities, and lengths of drilled piers indicated have been estimated from available soil data. Actual elevations and drilled-pier lengths and bearing capacities are determined by testing and inspecting agency. Final evaluations and approval of data are determined by Architect.

C. Concrete Tests and Inspections: ASTM C172/C172M except modified for slump to comply with ASTM C94/C94M.

1. Slump: ASTM C143/C143M; one test at point of placement for each compressive-strength test but no fewer than one test for each concrete load.
2. Concrete Temperature: ASTM C1064/C1064M; one test hourly when air temperature is 40 deg F (4.4 deg C) and below and 80 deg F (27 deg C) and above, and one test for each set of compressive-strength specimens.
3. Compression Test Specimens: ASTM C31/C31M; one set of four standard cylinders for each compressive-strength test unless otherwise indicated. Mold and store cylinders for laboratory-cured test specimens unless field-cured test specimens are required.
4. Compressive-Strength Tests: ASTM C39/C39M; one set for each drilled pier but not more than one set for each truck load. Test one specimen at seven days, test two specimens at 28 days, and retain one specimen in reserve for later testing if required.
5. If frequency of testing provides fewer than five strength tests for a given class of concrete, conduct tests from at least five randomly selected batches or from each batch if fewer than five are used.
6. If strength of field-cured cylinders is less than 85 percent of companion laboratory-cured cylinders, Contractor is to evaluate operations and provide corrective procedures for protecting and curing in-place concrete.
7. Strength of each concrete mixture is satisfactory if every average of any three consecutive compressive-strength tests equals or exceeds specified compressive strength and no compressive-strength test value falls below specified compressive strength by more than 500 psi (3.4 MPa).
8. Report test results in writing to Architect, concrete manufacturer, and Contractor within 48 hours of testing. List Project identification name and number, date of concrete placement, name of concrete testing and inspecting agency, location of concrete batch in Work, design compressive strength at 28 days, concrete mixture proportions and materials, compressive breaking strength, and type of break for both 7- and 28-day tests in reports of compressive-strength tests.
9. Nondestructive Testing: Impact hammer, sonoscope, or other nondestructive device may be permitted by Architect but not be used as sole basis for approval or rejection of concrete.
10. Additional Tests: Testing and inspecting agency to make additional tests of concrete if test results indicate that slump, compressive strengths, or other requirements have not been met, as directed by Architect.

    a. Continuous coring of drilled piers may be required, at Contractor's expense, if temporary casings have not been withdrawn within specified time limits or if observations of placement operations indicate deficient concrete quality, presence of voids, segregation, or other possible defects.

11. Perform additional testing and inspecting, at Contractor's expense, to determine compliance of replaced or additional work with specified requirements.
12. Correct deficiencies in the Work that test reports and inspections indicate do not comply with the Contract Documents.

D. An excavation, concrete, or a drilled pier will be considered defective if it does not pass tests and inspections.

E. Prepare test and inspection reports for each drilled pier as follows:

1. Actual top and bottom elevations.
2. Actual drilled-pier diameter at top, bottom, and bell.

3. Description of soil materials.
4. Description, location, and dimensions of obstructions.
5. Final top centerline location and deviations from requirements.
6. Variation of shaft from plumb.
7. Shaft excavating method.
8. Design and tested bearing capacity of bottom.
9. Levelness of bottom and adequacy of cleanout.
10. Properties of slurry and slurry test results at time of slurry placement and at time of concrete placement.
11. Ground-water conditions and water-infiltration rate, depth, and pumping.
12. Description, purpose, length, wall thickness, diameter, tip, and top and bottom elevations of temporary or permanent casings. Include anchorage and sealing methods used and condition and weather tightness of splices if any.
13. Description of soil or water movement, sidewall stability, loss of ground, and means of control.
14. Bell dimensions and variations from original design.
15. Date and time of starting and completing excavation.
16. Inspection report.
17. Condition of reinforcing steel and splices.
18. Position of reinforcing steel.
19. Concrete placing method, including elevation of consolidation and delays.
20. Elevation of concrete during removal of casings.
21. Locations of construction joints.
22. Concrete volume.
23. Concrete testing results.
24. Remarks, unusual conditions encountered, and deviations from requirements.

3.6 DISPOSAL OF SURPLUS AND WASTE MATERIALS

A. Disposal: Remove surplus satisfactory soil and waste material, including unsatisfactory soil, trash, and debris, and legally dispose of it off Owner's property.

END OF SECTION 316329

csra TESTING & ENGINEERING CO., INC.
1005 Emmett Street, Suite A, Augusta, Georgia 30904 • (706) 733-6960 • Fax (706) 737-0629

April 26, 2023

Mead & Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, South Carolina 29406

Attn: Mr. Robert Moore, II, Associate AIA

Re: Report of Geotechnical Exploration
AGS - Gates 3 & 4 Terminal Improvements
Doug Barnard Parkway
Augusta, Georgia
Mead & Hunt Project No. 0119700-220766.02
CSRA Report No. B-043.23

Dear Mr. Moore:

CSRA Testing & Engineering Company, Inc., (CSRA) is pleased to submit this report of our exploration services for the proposed project. Our services were provided in accordance with our proposal authorized through Mead & Hunt's Service Work Order. This report presents a review of the information provided to us, a discussion of the site and subsurface conditions, and our foundation and earthwork recommendations. The Appendix contains a Boring Location Plan and the results of our field and laboratory testing.

Project Information

The project involves the construction of improvements to the terminal area for Gates 3 and 4 at the Augusta Regional Airport (AGS) located on Doug Barnard Parkway in Augusta, Georgia. The improvements will include enclosure of the existing terminal porch area and improvement of the existing terminal to facilitate two (2) new boarding bridges. The improvements are to be one-story and of masonry construction with the foundation systems planned to consist of lightly loaded shallow footings with a concrete slab. No topographic data has been provided to us at this time. However, the area is fairly level, and we anticipate only minor additional earthwork will be required to achieve final grades.

Purpose Of Exploration

The purpose of this exploration was to obtain specific subsurface data at the site and to provide foundation and earthwork recommendations for the proposed project.

Site Conditions

We conducted a site reconnaissance to observe and document surface conditions at the site. Information gathered was used to help us interpret the subsurface data and to detect conditions which could affect our recommendations.

The site is located at Gates 3 and 4 at the Augusta Regional Airport located on Doug Barnard Parkway in Augusta, Georgia. Areas not currently under roof are generally paved. The site is level to very gently sloping. No surface water was noted at the site near the boring locations at the time of our field work.

Site Geologic Conditions

The project site is in the Coastal Plain Physiographic Province. The Coastal Plain consists mainly of marine sediments which were deposited during successive periods of fluctuating sea level and moving shoreline. The formations dip slightly seaward, and several are exposed at the surface in bands paralleling the coast. Many beds exist only as fragmental erosional remnants sandwiched between more continuous strata above and below. The soils in this province are typical of those laid down in a shallow sloping sea bottom consisting of interbedded sands, silts, and clays.

Subsurface Conditions

The subsurface conditions were explored with widely spaced soil test borings drilled according to the procedures presented in the appendix. The boring locations were selected by and marked in the field by the design team to avoid the underground utilities in the area. The boring depths were selected by CSRA. Boring elevation data was not provided or obtained.

The subsurface conditions encountered at the boring locations are shown on the test boring records in the Appendix. These boring records represent our interpretation of the subsurface conditions based on the field logs and visual examination of field samples by our geotechnical engineer. The lines designating the interface between various strata on the boring records represent the approximate interface location. The groundwater levels shown on the boring records represent the conditions only at the time of our exploration.

Two (2) test borings were drilled in the proposed construction areas to depths of 30 to 50 feet below the ground surface. The test borings revealed a surficial layer of concrete paving (8 inches) and graded aggregate base course (GABC, 9 inches). Underlying the pavement section, the borings encountered a sandy previous fill stratum to depths of 5.0 to 6.0 feet below the existing ground surface. Standard penetration resistances of 12 to 15 blows per foot were recorded indicating the fill soils were well compacted during original placement. We note the fill below a depth of 4 feet contained limited asphalt fragments.

The virgin soils below the fill consisted of interbedded layers of sandy, silty clays (CL) and sands with varying fine grained particle content (typical Coastal Plain soils). The virgin sandy soils ranged from silty (SM) to clayey (SC) and were recorded to be loose to very firm in consistency. Standard penetration resistances ranged from 7 to 29 blows per foot. The stiff to very stiff sandy, silty clays (CL) were recorded to have standard penetration resistances of 13 to 28 blows per foot.

Groundwater Conditions

Groundwater was encountered in the test borings at depths of 22 to 23 feet at the time of drilling. In silty sands the water levels can usually be determined accurately near the time of drilling. In fine grained soils, it may take several days for water levels to stabilize. Fluctuations in the groundwater level can occur due to variations in rainfall, evaporation, construction activity, surface runoff, and other site-specific factors. The highest groundwater levels are generally encountered in early spring and the lowest in late summer.

The likelihood of groundwater in the near surface soils at some areas of the site can be expected to increase following periods wet weather. This is due to rainwater infiltration through the upper sands. The water can then become "perched" on top of the clayey soils below.

Site Preparation Recommendations

All existing foundations and utilities should be removed from the proposed construction area and wasted from the site. Excavations for removal of utilities and foundations should be backfilled with properly compacted fill or clean aggregate.

During the stripping and rough grading, positive surface drainage should be maintained to prevent the accumulation of water. If the exposed subgrade becomes excessively wet or frozen, or if conditions are encountered different from those described previously in this report, the geotechnical engineer should be contacted.

After stripping and rough grading, we recommend the subgrade be proofrolled prior to excavation of foundations or placing structural fills (if any). The proofrolling operation should be observed and documented by the construction testing agency. If additional unsuitable conditions are encountered at the subgrade level, recommendations for dealing with the conditions should be provided to the owner's representative by the geotechnical engineer. Any excessively wet and soft soils encountered should be excavated to dry soils and replaced with properly compacted fill.

Foundation Recommendations

We recommend a system of shallow spread footings be utilized to support the proposed improvements. Based on the anticipated grades, shallow footings will bear in previous compacted fill. Shallow footings bearing in this material can be designed for a maximum allowable net bearing pressure of 2,000 psf. The maximum net allowable bearing pressure recommended is based on our previous experience and correlations made previously between standard penetration test resistances and the performance of foundations supported by soils similar to those at this site. We expect total settlements on the order of 1 inch and differential settlements of less than 0.5 inch.

We recommend the minimum widths for individual column and continuous wall footings be 24 and 16 inches, respectively. The minimum widths are recommended to provide a margin of safety against a local or punching shear failure of the foundation soils. Exterior footings should bear at least 18 inches below final exterior grade. The depths of interior footings should be a minimum of 12 inches below the top of the floor slab. This embedment is necessary to provide adequate confinement of the bearing soils and to achieve the recommended bearing pressure.

Foundation concrete should be placed the same day that excavations are dug, if possible. If the bearing soils are softened by surface water intrusion or exposure, the softened soils must be removed from the foundation excavation bottom immediately prior to placement of concrete. If the excavation must remain open overnight or if rainfall becomes imminent while the bearing soils are exposed, we suggest a 2 to 4-inch thick "mud-mat" of "lean" (2,000 psi) concrete be placed on the bearing soils before the placement of reinforcing steel.

We recommend the construction testing agency observe the footing excavations immediately prior to placing concrete. They should compare the soils exposed with those encountered in the soil test borings and document the results. Any significant differences should be brought to the attention of the owners' representative along with appropriate recommendations. The foundation bearing area should be level or suitably benched. It should also be free of loose soil, ponded water, and debris prior to the inspection.

Site Seismic Recommendations

We recommend a site classification 'D' be utilized for seismic design for this project per the International Building Code (IBC). This is based on the weighted average of the 'N' values obtained and estimated based on known geologic conditions within the upper 100 feet of soil below the site. The weighted average 'N' value was calculated to be approximately 17 blows per foot. This correlates to a site classification of 'D' per the IBC.

Grade Slab Recommendations

We understand a soil supported grade slab will be used for the proposed improvements. The grade slabs should be jointed around columns so that the slab and foundations can settle differentially without damage. Joints containing dowels or keys may be used in the slab to permit rotational movement between parts of the slab without cracking or sharp vertical displacements.

A 4 to 6 inch layer of clean gravel or free draining sand covered with an impermeable membrane should be placed beneath the grade slab to provide a vapor barrier and permit lateral drainage beneath the slab.

Piping underneath the grade slab should be avoided whenever possible. Where absolutely necessary, pipe joints must be tight to prevent leakage. Leakage from under floor piping is often the source of excessive soil moisture which can lead to damage due to potential soil expansion or erosion.

Construction activities and exposure to the environment can cause deterioration of prepared subgrades. Therefore, we recommend density and moisture content tests be conducted on the final subgrade soils immediately prior to grade slab construction to determine their condition.

Compacted Fill Recommendations

We recommend soils used as additional compacted fills (if any) be free of debris and have less than 3% by weight fibrous organic material. They should have a maximum dry density of at least 95 pcf, a liquid limit of less than 50, and a plasticity index of less than 20. A soil classification of the subgrade soil at a depth of 1 foot indicates the SM-SC soil is acceptable subgrade and fill material.

We recommend all compacted fill be constructed by spreading acceptable soil in loose layers not more than 10 inches thick. The fill should be compacted in thin lifts to at least 95 percent of the Standard Proctor maximum dry density (ASTM D-698). The moisture content of the fill soils should be maintained within +3 and -3 percentage points of the optimum moisture content as determined from the proctor compaction test. This provision may require the contractor to dry the soils during periods of wet weather or wet the soils during the hot summer months.

The fill surface must be adequately maintained during construction in order to achieve an acceptable compacted fill. We recommend the fill surface be sloped to achieve sufficient drainage and to prevent water from ponding on the fill. If precipitation is expected while fill construction is temporarily halted, the surface should be rolled with rubber tired or steel drummed equipment to improve surface run-off. If the surface soils become excessively wet or frozen, fill operations should be halted and the geotechnical engineer should be consulted for guidance.

We recommend the fill placement and compaction be observed and documented by the construction testing agency. Significant deviations, either from specifications or good practice, should be brought to the attention of the owner's representative, along with appropriate recommendations. At least one (1) field density test should be performed in each 5,000 square feet of fill for each fill layer.

Basis For Recommendations

The recommendations provided are based in part on project information provided to us and they only apply to the specific project and site discussed in this report. If the project information section in this report contains incorrect information or if additional information is available, you should convey the correct or additional information to us and retain us to review our recommendations. We can then modify our recommendations if they are inappropriate for the proposed project.

Regardless of the thoroughness of a geotechnical exploration, there is always a possibility conditions between borings will be different from those at specific boring locations and conditions will not be as anticipated by the designers or contractors. In addition, the construction process may itself alter soil conditions. Therefore, experienced geotechnical personnel should observe and document the construction procedures used and the conditions encountered. Unanticipated conditions and inadequate procedures should be reported to the design team along with timely recommendations to solve the problems created. We recommend the owner retain CSRA to provide this service based upon our familiarity with the project, the subsurface conditions, and the intent of the recommendations.

We wish to remind you our exploration services include storing the samples collected and making them available for inspection for 60 days. The samples are then discarded unless you request otherwise.

We will be happy to discuss our recommendations with you and would welcome the opportunity to provide the additional studies or services necessary to complete this project. We appreciate the opportunity to provide our professional services and look forward to working with you on the remainder of this project and on future projects. If you have any questions concerning this report or wish to have further discussions, please contact us at (706) 733-6960.

Respectfully submitted,

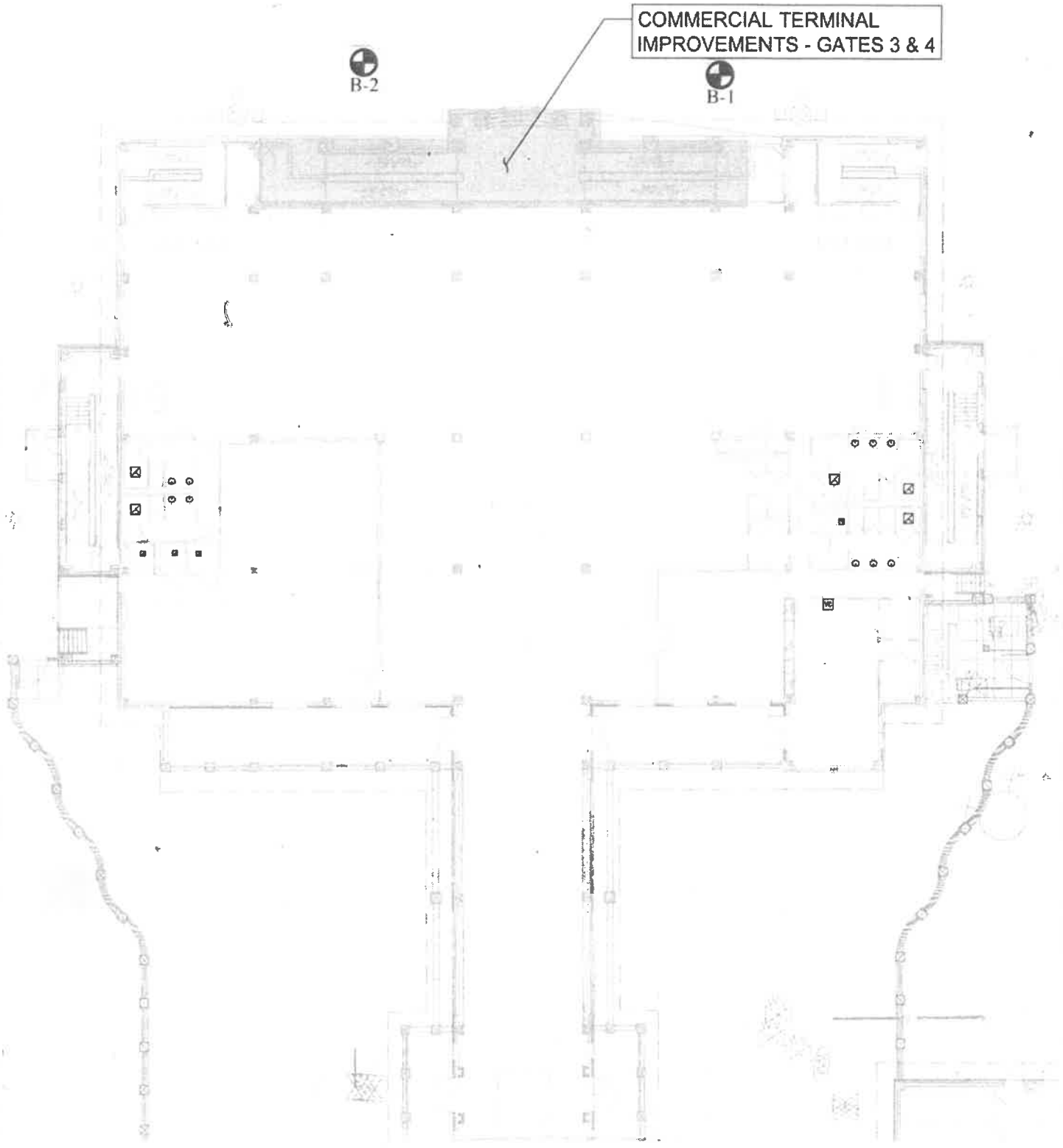
Jon E. Pruett

Jonathan E. Pruett, P.E.

APPENDICES

APPENDIX I

Boring Location Plan



Reference : Site Plan Provided By Mead & Hunt

csra
TESTING & ENGINEERING CO., INC.
1005 Emmett Street, Suite A ■ Augusta, Georgia 30904 ■ (706) 733-6960

BORING LOCATION PLAN

Gate 3 & 4 Terminal Improvements
Augusta, Georgia

JOB NO.	DESIGNED BY
B-043.23	
SCALE	DRAWN BY
1"=30'	R.W.S.
DATE	CHECKED BY
04/26/23	J.M.P.

APPENDIX II

Soil Boring Logs

csra TESTING & ENGINEERING CO., INC.
1005 Emmett Street, Suite A, Augusta, Georgia 30904 • (706) 733-6960 • Fax (706) 737-0629

PROJECT Gates 3 and 4 Terminal Improvements BORING NO. B-1 (Page 1 of 2)

LOCATION Augusta Regional Airport, Augusta, GA DATE March 22, 2023

DEPTH FEET	VISUAL SOIL DESCRIPTION	PENETRATION VALUE (N)	VISUAL UNIFIED CLASS.	PERCENT MOISTURE
	Firm, Tan Slightly Silty Clayey Sand (Fill)	13 @ 1'	SM-SC	11.1%
	Firm, Tan and Red Clayey Silty Sand (Fill) (Moist)	15 @ 3.5'	SC	
5'	Firm, Tan and Brown Very Clayey Sand with Limited Asphalt Fragments (Fill)		SC	
	Very Firm, Red, Tan, and Brown Clayey Sand	25 @ 6'	SC	
10'	Very Stiff, Red, Tan, and Gray Sandy Silty Clay	28 @ 8.5'	CL	
15'	Firm, Tan, Brown, and Red Clayey Silty Sand	16 @ 13.5'	SC	
20'	Stiff to Very Stiff, Tan and Gray Sandy Silty Clay	14 @ 18.5'	CL	
25'		18 @ 23.5'		
30'	Loose to Firm, Tan, Gray, and Red Silty Sand	9 @ 28.5'	SM	
35'		7 @ 33.5'		
40'		17 @ 38.5'		

N Value is number of blows of 140 pound hammer required to drive 2" split-tube sampler one foot after seated.

CONTINUED ON NEXT PAGE

csra TESTING & ENGINEERING CO., INC.
1005 Emmett Street, Suite A, Augusta, Georgia 30904 • (706) 733-6960 • Fax (706) 737-0629

PROJECT Gates 3 and 4 Terminal Improvements BORING NO. B-1 (Page 2 of 2)

LOCATION Augusta Regional Airport, Augusta, GA DATE March 22, 2023

DEPTH FEET	VISUAL SOIL DESCRIPTION	PENETRATION VALUE (N)	VISUAL UNIFIED CLASS.	PERCENT MOISTURE
45'	Firm, Tan Silty Sand	12 @ 43.5'	SM	
		10 @ 48.5'		
50'	Boring Terminated at 50 feet. Upper 17" Concrete (8") and Crushed Stone (9").			
55'				
60'				
65'				
70'				
75'				
80'				

N Value is number of blows of 140 pound hammer
required to drive 2" split-tube sampler one foot after seated.

22' WATER TABLE AT TIME OF BORING

csra TESTING & ENGINEERING CO., INC.
1005 Emmett Street, Suite A, Augusta, Georgia 30904 • (706) 733-6960 • Fax (706) 737-0629

PROJECT Gates 3 and 4 Terminal Improvements BORING NO. B-2

LOCATION Augusta Regional Airport, Augusta, GA DATE March 22, 2023

DEPTH FEET	VISUAL SOIL DESCRIPTION	PENETRATION VALUE (N)	VISUAL UNIFIED CLASS.	PERCENT MOISTURE
	Firm, Reddish-Tan Silty Sand (Fill)	12 @ 1'	SM	13.6%
	Firm, Reddish-Brown Clayey Silty Sand (Fill)		SC	
	Firm, Tan and Brown Very Clayey Sand with Limited Asphalt Fragments (Fill)	13 @ 3.5'	SC	
5'	Very Firm, Tan, Red, and Brown Clayey Sand	29 @ 6'	SC	
		23 @ 8.5'		
10'	Very Stiff, Tan, Red, and Gray Sandy Silty Clay		CL	
15'	Firm, Tan, Gray, and Red Silty Sand	16 @ 13.5'	SM	
20'		17 @ 18.5'		
25'	Stiff to Very Stiff, Gray and Tan Sandy Silty Clay	13 @ 23.5'	CL	
30'		20 @ 28.5'		
	Boring Terminated at 30 feet. Upper 17" is Concrete (8") and Crushed Stone (9").			
35'				
40'				

N Value is number of blows of 140 pound hammer
required to drive 2" split-tube sampler one foot after seated.

23' WATER TABLE AT TIME OF BORING

APPENDIX III

Test Data Pages

csra TESTING & ENGINEERING CO., INC.
1005 Emmett Street, Suite A, Augusta, Georgia 30904 • (706) 733-6960 • Fax (706) 737-0629

Report No. B-043.23

Date March 28, 2023

CLIENT: Mead and Hunt, Inc.
PROJECT: Gates 3 and 4 Terminal Improvements
LOCATION: Augusta Regional Airport, Augusta, Georgia
REQUEST: **Soil Classification**
SOIL DESCRIPTION: Tan Slightly Silty Clayey Sand
SOIL CLASSIFICATION: SM-SC

Sieve No.	% Passing
4	100.0%
10	96.0%
20	81.0%
40	55.0%
60	36.0%
100	24.0%
200	18.0%
Liquid Limit	19.0
Plasticity Index	5.0

csra TESTING AND ENGINEERING CO., INC.

1005 EMMETT STREET, SUITE A
AUGUSTA, GEORGIA 30904
(706) 733-6960
FAX (706) 737-0629

Report No. B-043.23

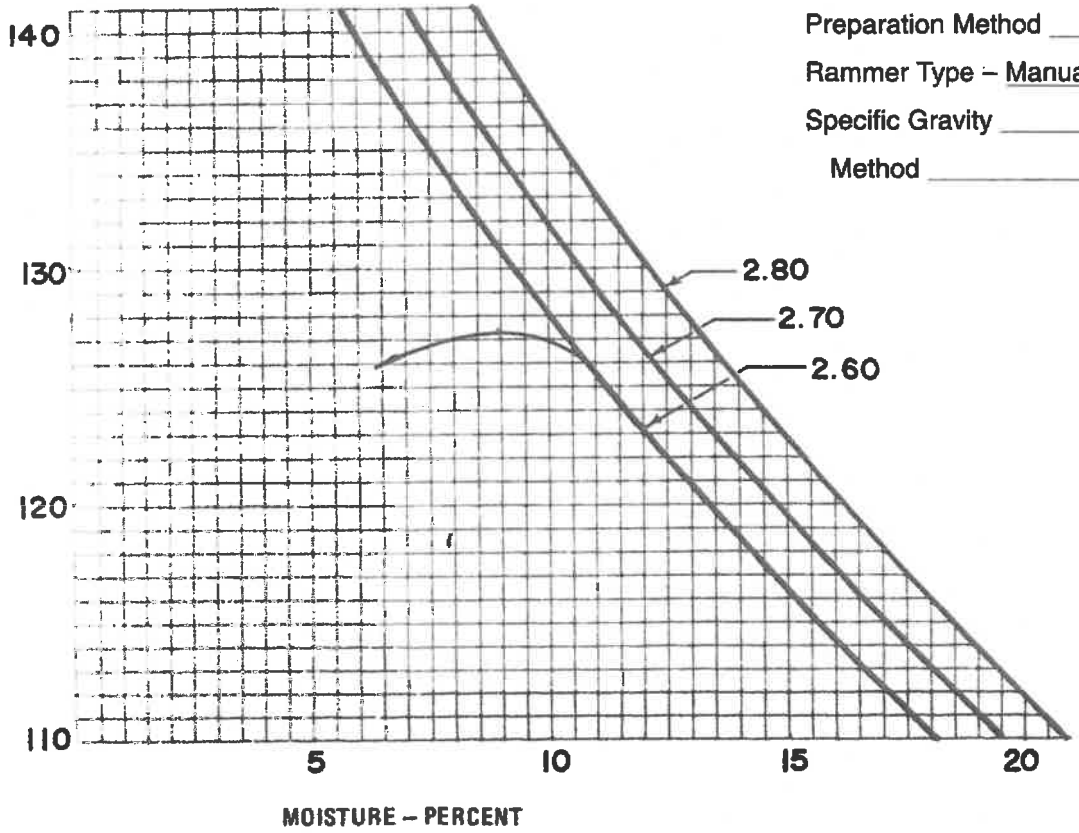
Date March 23, 2023

CLIENT: Mead and Hunt, Inc. ADDRESS: Myrtle Beach, South Carolina

PROJECT: AGS Gates 3 & 4 Terminal Improvements LOCATION: Augusta, Georgia

SOIL PROCTOR TEST

Maximum Dry Density — 127.4 pcf
Optimum Moisture Content — 8.9%
Soil Description — Tan Slightly Silty Clayey Sand



Preparation Method _____
Rammer Type – Manual
Specific Gravity _____
Method _____

ASTM D - 1557 , Method – A

Technician Steven Gracey

APPENDIX IV

Field Testing Procedures

FIELD TESTING PROCEDURES

SOIL TEST BORINGS

Soil sampling and penetration testing were performed in general accordance with ASTM D 1586.

The borings were made by mechanically twisting a continuous steel flight hollow stem auger into the soil. At regular intervals, soil samples obtained with a standard 1.4 inch I.D., 2 inch O.D., split-barrel sampler. The sampler was first seated 6 inches to penetrate any loose cuttings, then driven an additional foot with blows of a 140-pound hammer falling 30 inches. The number of hammer blows required to drive the sampler the final foot was recorded as the "penetration resistance". The penetration resistance, when properly evaluated, is an index to the soil strength and foundation supporting capability.

Representative portions of the soil samples, obtained from the sampler, were placed in glass jars and transported to our laboratory. In the laboratory, the samples were examined by an engineer to verify the driller's field classifications. Test boring records are attached, graphically showing the soil descriptions and penetration resistances.

FURNITURE SUMMARY

CODE	DESCRIPTION	BOD MANUFACTURER
B-1	BENCH	ARCONAS
BS-1	BEAM SEAT - 2 SEATS WITH CUP HOLDER	ARCONAS
BS-2	BEAM SEAT - 3 SEATS WITH CANTILEVER ARM, ADA	ARCONAS
BS-5	BEAM SEAT - 5 SEAT WITH CUP HOLDER	ARCONAS
CH-1	DINING CHAIR	M.A.D FURNITURE
CH-2	LOUNGE CHAIR	FRONTERA
CH-3	BARSTOOL	ARCONAS
CH-4	SOFA WITH SIDE TABLE	K.I.
CH-5	SOFA WITH SIDE TABLE	K.I.
CH-6	SOFA	K.I.
CH-7	OTTOMAN	K.I.
T-1	DINING TABLE	STEELCASE
T-2	POWER TABLE	ARCONAS
T-3	OCCASIONAL TABLE	K.I.

DESIGNATION: BENCH (B-1)

MANUFACTURER:

ARCONAS

PRODUCT NAME:

HOP BENCH

MODEL NUMBER:

HOPBENCH

PRODUCT DESCRIPTION:

CAST ALUMINUM BASE, HR FOAM OVER BONDED FIBER AND PLYWOOD CORE. UPHOLSTERED BENCH IN NASSIMI VINYL ESPRIT, REGIMENTAL BLUE.

ITEM IMAGE:

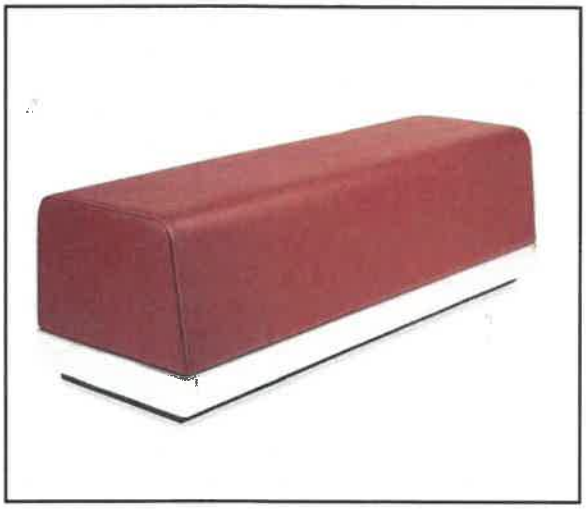


*image is a representation and is not necessarily correct in size, layout, or material

MATERIALS:

NASSIMI ESPRIT, REGIMENTAL BLUE, PES-055.

DIMENSIONS

SEAT WIDTH	14 IN
OVERALL WIDTH	56 IN
OVERALL DEPTH	20.5 IN
OVERALL HEIGHT	18 IN

AREA OF USE:

ROOM #	ROOM NAME	QUANTITY	ROOM #	ROOM NAME	QUANTITY
A102	PUBLIC SEATING	2	#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X	#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X	#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X	#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X	#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X	#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X	#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X			

TOTAL QUANTITY:2

DESIGNATION: BEAM SEATING (BS-1)

MANUFACTURER:

ARCONAS

PRODUCT NAME:

BERNU AERO, 2-SEAT UNIT

MODEL NUMBER:

BA2S

PRODUCT DESCRIPTION:

BERNU AERO TANDEM TWO SEAT UNIT. SOLID DIE-CAST ALUMINUM LEGS AND CONNECTORS. FLOOR MOUNTED. CANTI-LEVER ARM WITH DRINK HOLDER, POWER MODULE & UPHOLSTERED PADS. UPHOL-STERED IN NASSIMI VINYL ESPRIT, REGI-MENTAL BLUE.

DIMENSIONS

SEAT HEIGHT	17 IN
OVERALL WIDTH	49 IN
OVERALL DEPTH	28.5 IN
OVERALL HEIGHT	33 IN

ITEM IMAGE:

*image is a representation and is not necessarily correct in size, layout, or material

MATERIALS:

NASSIMI ESPRIT, REGIMENTAL BLUE, PES-055.

AREA OF USE:

ROOM #	ROOM NAME	QUANTITY
A104	HOLDING	4
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

ROOM #	ROOM NAME	QUANTITY
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

TOTAL QUANTITY:4

DESIGNATION: BEAM SEATING (BS-2)

MANUFACTURER:

ARCONAS

PRODUCT NAME:

BERNU AERO, 3-SEAT UNIT

MODEL NUMBER:

BA3S

PRODUCT DESCRIPTION:

BERNU AERO TANDEM THREE SEAT UNIT. REMOVE ARM FOR ADA COMPLIANCE. SOLID DIE-CAST ALUMINUM LEGS AND CONNECTORS. FLOOR MOUNTED. CANTI-LEVER ARM WITH DRINK HOLDER, POWER MODULE & UPHOLSTERED PADS. UPHOL-STERED IN NASSIMI VINYL ESPRIT, REGI-MENTAL BLUE.

DIMENSIONS

SEAT HEIGHT	17 IN
OVERALL WIDTH	72 IN
OVERALL DEPTH	28.5 IN
OVERALL HEIGHT	33 IN

ITEM IMAGE:

*image is a representation and is not necessarily correct in size, layout, or material

MATERIALS:

NASSIMI ESPRIT, REGIMENTAL BLUE, PES-055.

AREA OF USE:

ROOM #	ROOM NAME	QUANTITY
A104	HOLDING	4
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
	XXXXXXXXXXXX	X

ROOM #	ROOM NAME	QUANTITY
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

TOTAL QUANTITY:4

DESIGNATION: BEAM SEATING (BS-5)

MANUFACTURER:

ARCONAS

PRODUCT NAME:

BERNU AERO, 5-SEAT UNIT

MODEL NUMBER:

BA5S

PRODUCT DESCRIPTION:

BERNU AERO TANDEM FIVE SEAT UNIT. SOLID DIE-CAST ALUMINUM LEGS AND CONNECTORS. FLOOR MOUNTED. CANTI-LEVER ARM WITH DRINK HOLDER, POWER MODULE & UPHOLSTERED PADS. UPHOL-STERED IN NASSIMI VINYL ESPRIT, REGI-MENTAL BLUE.

DIMENSIONS

SEAT HEIGHT	17 IN
OVERALL WIDTH	118 IN
OVERALL DEPTH	28.5 IN
OVERALL HEIGHT	33 IN

ITEM IMAGE:

*image is a representation and is not necessarily correct in size, layout, or material

MATERIALS:

NASSIMI ESPRIT, REGIMENTAL BLUE, PES-055.

AREA OF USE:

ROOM #	ROOM NAME	QUANTITY
A104	HOLDING	20
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
	XXXXXXXXXXXX	X

ROOM #	ROOM NAME	QUANTITY
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

TOTAL QUANTITY:20

DESIGNATION: DINING CHAIR (CH-1)

MANUFACTURER:

MAD FURNITURE DESIGN

PRODUCT NAME:

THRU CHAIR

MODEL NUMBER:

G63

PRODUCT DESCRIPTION:

BLACK POWDER COATED STEEL FRAME.
WALNUT SEAT AND BACK DINING CHAIR.

ITEM IMAGE:

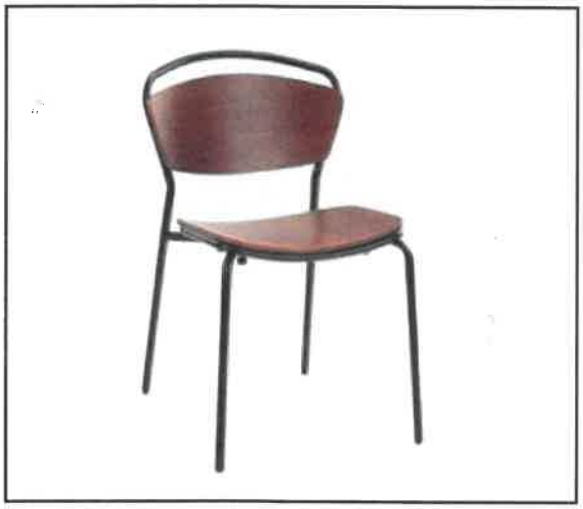


*image is a representation and is not necessarily correct in size, layout, or material

DIMENSIONS

SEAT WIDTH	19 IN
SEAT DEPTH	22 IN
SEAT HEIGHT	18 IN
BACK HEIGHT	31.5 IN

MATERIALS:

BLACK POWDER COATED STEEL

WALNUT SEAT

AREA OF USE:

ROOM #	ROOM NAME	QUANTITY	ROOM #	ROOM NAME	QUANTITY
A104	HOLDING	24	#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X	#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X	#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X	#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X	#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X	#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X	#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X			

TOTAL QUANTITY:24

DESIGNATION: LOUNGE CHAIR (CH-2)

MANUFACTURER:

FRONTERA

PRODUCT NAME:

AMERICANA RESORT ROCKER

MODEL NUMBER:

WQS-ARR-223-1-9

PRODUCT DESCRIPTION:

CLÁSSIC AMERICANA ROCKING CHAIR,
TONGUE AND GROOVE CONSTRUCTION,
SOLID PREMIUM EUCALYPTUS HARDWOOD.
NATURAL OIL FINISH.

ITEM IMAGE:

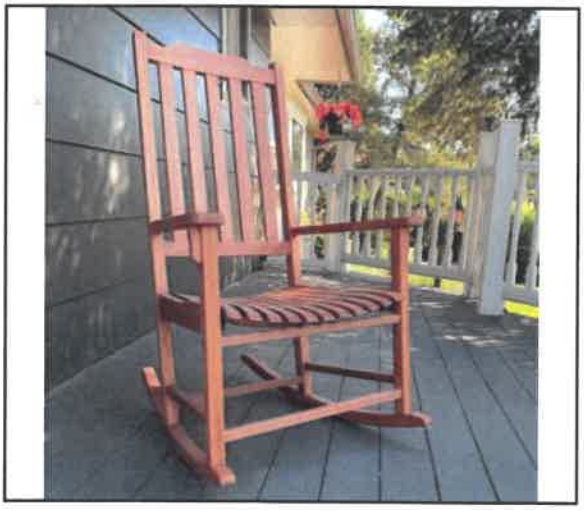


*image is a representation and is not necessarily correct in size, layout, or material

MATERIALS:

NATURAL OIL FINISH.

DIMENSIONS

SEAT HEIGHT	17 IN
OVERALL WIDTH	26 IN
OVERALL DEPTH	34.5 IN
OVERALL HEIGHT	45 IN

AREA OF USE:

ROOM #	ROOM NAME	QUANTITY
A102	PUBLIC SEATING	8
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

ROOM #	ROOM NAME	QUANTITY
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

TOTAL QUANTITY:8

DESIGNATION: BARSTOOL (CH-3)

MANUFACTURER:

ARCONAS

PRODUCT NAME:

24" INPOWER STOOL

MODEL NUMBER:

PBSTOOL24

PRODUCT DESCRIPTION:

STEEL FLOOR MOUNTED PEDESTAL STOOL WITH FOOT REST AND BASE. CLOUD SILVER POWDER COAT FINISH. UPHOLSTERED SEAT IN NASSIMI VINYL ESPRIT, REGIMENTAL BLUE.

ITEM IMAGE:

*image is a representation and is not necessarily correct in size, layout, or material

DIMENSIONS

SEAT HEIGHT	17 IN
OVERALL WIDTH	26 IN
OVERALL DEPTH	34.5 IN
OVERALL HEIGHT	45 IN

MATERIALS:

NASSIMI ESPRIT, REGIMENTAL BLUE, PES-055.

AREA OF USE:

ROOM #	ROOM NAME	QUANTITY
A122	CONCESSION SEATING	2
A125	CIRCULATION	4
A128	PUBLIC SEATING	2
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

ROOM #	ROOM NAME	QUANTITY
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

TOTAL QUANTITY:8

DESIGNATION: SOFA WITH SIDE TABLE (CH-4)

MANUFACTURER:

KI

PRODUCT NAME:

TATTOO SEATING AND TABLES - SLIM SEAT

MODEL NUMBER:

TLS60Q/FC:WP

PRODUCT DESCRIPTION:

ARMLESS SOFA WITH SIDE TABLE, INTEGRATED LEFT FACING TABLE, GLIDES, INTEGRATED POWER. UPHOLSTERED BACK IN PALLAS WANDER, SAPPHIRE. UPHOLSTERED BOTTOM IN PALLAS WANDER, DOVE. SIDE TABLE FINISH SURFACE LAMINATE, BRIGHTON WALNUT

ITEM IMAGE:

*image is a representation and is not necessarily correct in size, layout, or material

DIMENSIONS

SEAT HEIGHT	18 IN
OVERALL WIDTH	44 IN
OVERALL DEPTH	22 IN
OVERALL HEIGHT	29 IN

MATERIALS:

LAMINATE BRIGHTON WALNUT

PALLAS WANDER DOVE

PALLAS WANDER SA

AREA OF USE:

ROOM #	ROOM NAME	QUANTITY
A104	HOLDING	4
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

ROOM #	ROOM NAME	QUANTITY
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

TOTAL QUANTITY:4

DESIGNATION: SOFA WITH SIDE TABLE (CH-5)

MANUFACTURER:

KI

PRODUCT NAME:

TATTOO SEATING AND TABLES - SLIM SEAT

MODEL NUMBER:

TLS80R/FC:WP

PRODUCT DESCRIPTION:

ARMLESS SOFA WITH SIDE TABLE, INTEGRATED RIGHT FACING TABLE, GLIDES, INTEGRATED POWER. UPHOLSTERED BACK IN PALLAS WANDER, SAPPHIRE. UPHOLSTERED BOTTOM IN PALLAS WANDER, DOVE. SIDE TABLE FINISH SURFACE LAMINATE, BRIGHTON WALNUT

ITEM IMAGE:

*image is a representation and is not necessarily correct in size, layout, or material

DIMENSIONS

SEAT HEIGHT	18 IN
OVERALL WIDTH	44 IN
OVERALL DEPTH	22 IN
OVERALL HEIGHT	29 IN

MATERIALS:

LAMINATE BRIGHTON WALNUT

PALLAS WANDER DOVE

PALLAS WANDER SA

AREA OF USE:

ROOM #	ROOM NAME	QUANTITY
A104	HOLDING	2
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
	XXXXXXXXXXXX	X

ROOM #	ROOM NAME	QUANTITY
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

TOTAL QUANTITY:2

DESIGNATION: SOFA WITH SIDE TABLE (CH-6)

MANUFACTURER:

KI

PRODUCT NAME:

TATTOO SEATING AND TABLES - SLIM SEAT

MODEL NUMBER:

TLS800/FC

PRODUCT DESCRIPTION:

ARMLESS SOFA WITH GLIDES. UPHOLSTERED BACK IN PALLAS WANDER, SAPPHIRE. UPHOLSTERED BOTTOM IN PALLAS WANDER, DOVE.

ITEM IMAGE:

*image is a representation and is not necessarily correct in size, layout, or material

DIMENSIONS

SEAT HEIGHT	18 IN
OVERALL WIDTH	44 IN
OVERALL DEPTH	22 IN
OVERALL HEIGHT	29 IN

MATERIALS:

PALLAS
WANDER
DOVE

PALLAS
WANDER
SA

AREA OF USE:

ROOM #	ROOM NAME	QUANTITY
A102	PUBLIC SEATING	2
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

ROOM #	ROOM NAME	QUANTITY
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

TOTAL QUANTITY:2

DESIGNATION: OTTOMAN (CH-7)

MANUFACTURER:

KI

PRODUCT NAME:

TATTOO SEATING AND TABLES - SLIM SEAT

MODEL NUMBER:

TL3800/FC

PRODUCT DESCRIPTION:

OTTOMAN ON FOUR LEGS WITH GLIDES. UPHOLSTERED SEAT CUSHION IN PALLAS WANDER, SAPPHIRE. UPHOLSTERED BASE IN PALLAS WANDER, DOVE.

ITEM IMAGE:

*image is a representation and is not necessarily correct in size, layout, or material

DIMENSIONS

SEAT HEIGHT	18 IN
OVERALL WIDTH	22 IN
OVERALL DEPTH	22 IN

MATERIALS:

PALLAS WANDER DOVE

PALLAS WANDER SA

AREA OF USE:

ROOM #	ROOM NAME	QUANTITY
A102	PUBLIC SEATING	2
A104	HOLDING	6
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

ROOM #	ROOM NAME	QUANTITY
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

TOTAL QUANTITY:8

DESIGNATION: DINING TABLE (T-1)

MANUFACTURER:

STEELCASE

PRODUCT NAME:

MONTARA 650 OCCASIONAL TABLE

MODEL NUMBER:

COSFZWTSQ

PRODUCT DESCRIPTION:

CAFE DINING TABLE WITH LAMINATE TOP IN NATURAL CORK 2894. SQUARE BASE GRADE THREE PAINT, 4B20 LUX OBSIDIAN.

ITEM IMAGE:

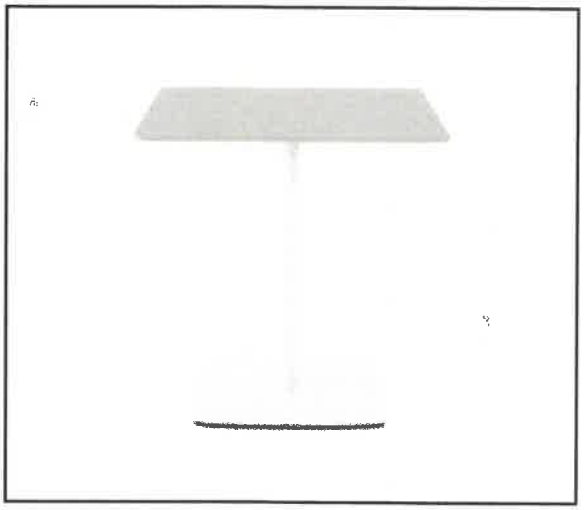


*image is a representation and is not necessarily correct in size, layout, or material

DIMENSIONS

OVERALL WIDTH	30 IN
OVERALL DEPTH	30 IN
OVERALL HEIGHT	28.5 IN

MATERIALS:

NATURAL CORK 2894

4B20 LUX OBSIDIAN

AREA OF USE:

ROOM #	ROOM NAME	QUANTITY
A104	HOLDING	12
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

ROOM #	ROOM NAME	QUANTITY
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

TOTAL QUANTITY:12

DESIGNATION: POWER TABLE (T-2)

MANUFACTURER:

ARCONAS

PRODUCT NAME:

EMBARQ

MODEL NUMBER:

EM723036

PRODUCT DESCRIPTION:

TABLETOP AND SIDE PANELS, WIRE MANAGEMENT BEHIND SIDE PANELS, STAINLESS STEEL BASE, 2 HARDWIRED ELECTRICAL UNITS PER SIDE, EACH ELECTRICAL UNIT INCLUDES 2 POWER AND 1 DUAL PORT USB. SOLID SURFACE WILSONART MORNING ICE, TABLE UNDERSIDE CLOUD SILVER

DIMENSIONS

OVERALL WIDTH	72 IN
OVERALL DEPTH	30 IN
OVERALL HEIGHT	36 IN

ITEM IMAGE:

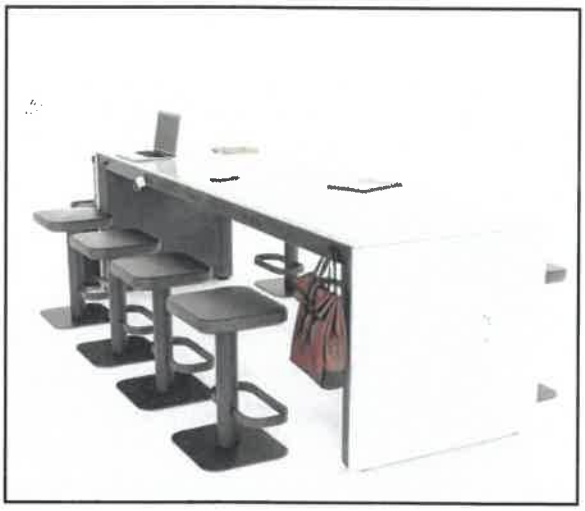
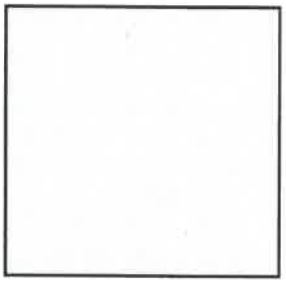


*image is a representation and is not necessarily correct in size, layout, or material

MATERIALS:

CLOUD SILVER



WILSONART MORNING ICE 9204CE

AREA OF USE:

ROOM #	ROOM NAME	QUANTITY
A125	CIRCULATION	2
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

ROOM #	ROOM NAME	QUANTITY
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

TOTAL QUANTITY:2

DESIGNATION: OCCASIONAL TABLE (T-3)

MANUFACTURER:

KI

PRODUCT NAME:

TATTOO SEATING AND TABLES

MODEL NUMBER:

TLE800:WP

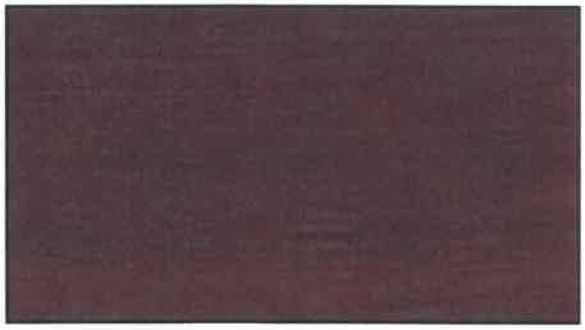
PRODUCT DESCRIPTION:

POWERED OCCASIONAL TABLE , FOUR LEGS ON GLIDES. TABLE FINISH SURFACE LAMINATE, BRIGHTON WALNUT

ITEM IMAGE:

*image is a representation and is not necessarily correct in size, layout, or material

MATERIALS:



LAMINATE BRIGHTON WALNUT

DIMENSIONS

OVERALL WIDTH	22 IN
OVERALL DEPTH	22 IN
OVERALL HEIGHT	18 IN

AREA OF USE:

ROOM #	ROOM NAME	QUANTITY
A104	HOLDING	4
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

ROOM #	ROOM NAME	QUANTITY
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X
#	XXXXXXXXXXXX	X

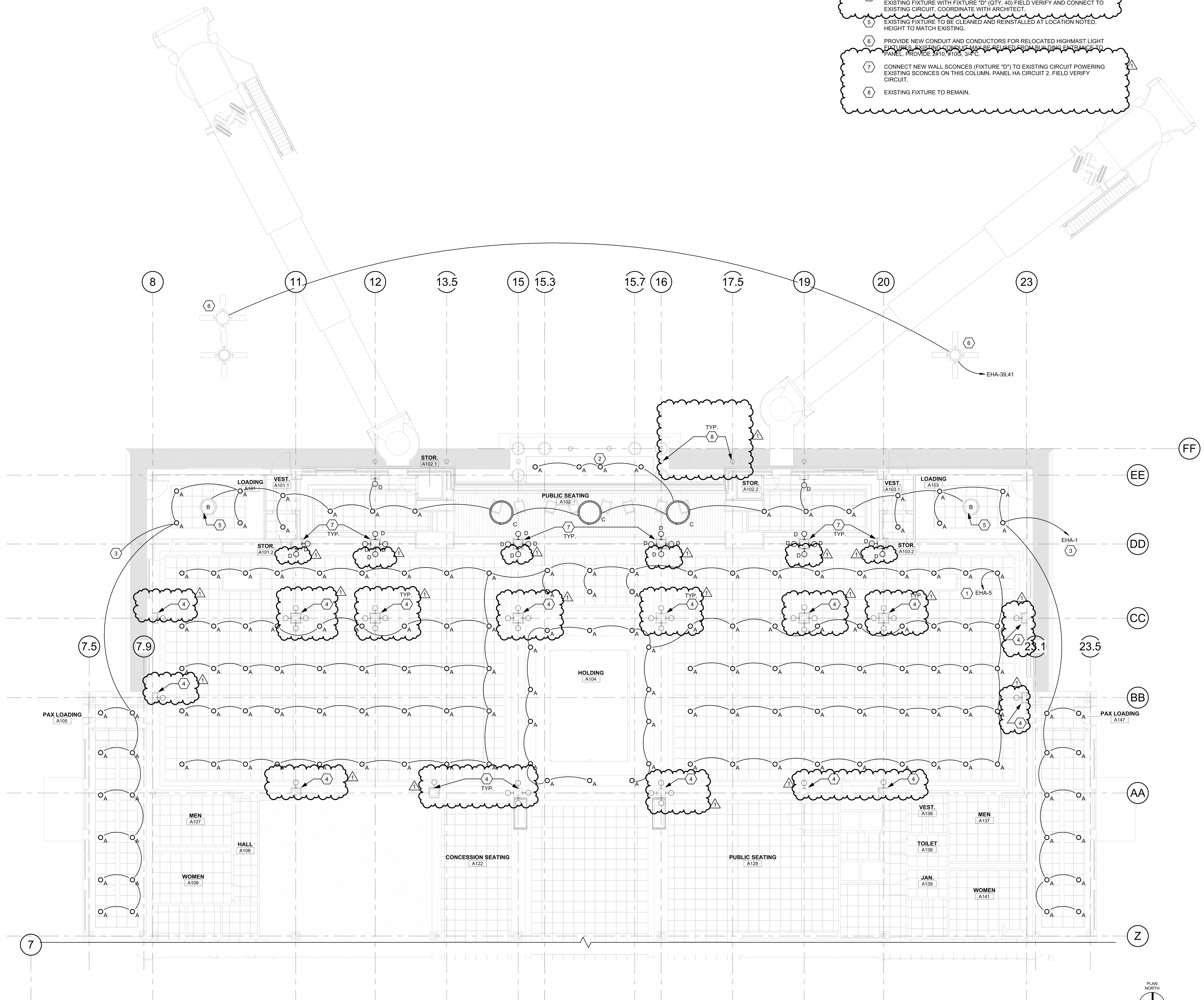
TOTAL QUANTITY:4

LIGHTING PLAN KEYED NOTES

1. EXISTING DOWNLIGHTS ARE WIRED FOR DUAL SWITCHING. FIELD VERIFY EXISTING CIRCUITS FOR DOWNLIGHTS. CONNECT NEW DOWNLIGHTS TO SAME CIRCUIT VIA EXISTING LIGHTING CONTROL PANEL. REMOVE ALL ABANDONED CONDUCTORS.
2. INSTALL NEW LIGHT FIXTURE IN EXISTING LOCATION. EXISTING DOWNLIGHTS ARE WIRED FOR DUAL SWITCHING. FIELD VERIFY EXISTING CIRCUITS FOR DOWNLIGHTS. CONNECT NEW DOWNLIGHTS TO SAME CIRCUIT VIA EXISTING LIGHTING CONTROL PANEL. REMOVE ALL ABANDONED CONDUCTORS.
3. RECONNECT ALL EXISTING FIXTURES AFFECTED BY DEMOLITION. ENSURE BOTH CIRCUITS ARE CONTINOUS TO ALL EXISTING FIXTURES PREVIOUSLY CONNECTED TO CIRCUIT.
4. EXISTING FIXTURES ON THIS COLUMN TO REMAIN. [ADD ALTERNATE #1]: REPLACE EXISTING FIXTURE WITH FIXTURE "D" (QTY. 40) FIELD VERIFY AND CONNECT TO EXISTING CIRCUIT. COORDINATE WITH ARCHITECT. (1)
5. EXISTING FIXTURE TO BE CLEANED AND REINSTALLED AT LOCATION NOTED. HEIGHT TO MATCH EXISTING.
6. PROVIDE NEW CONDUIT AND CONDUCTORS FOR RELOCATED HIGHMAST LIGHT FIXTURES. EXISTING CONDUIT MAY BE REUSED FROM BUILDING ENTRANCE TO PANEL. PROVIDE 2#10, #10G, 3/4"C.
7. CONNECT NEW WALL SCONCES (FIXTURE "D") TO EXISTING CIRCUIT POWERING EXISTING SCONCES ON THIS COLUMN. PANEL HA CIRCUIT 2. FIELD VERIFY CIRCUIT. (1)
8. EXISTING FIXTURE TO REMAIN.

LIGHTING PLAN CONSTRUCTION NOTES

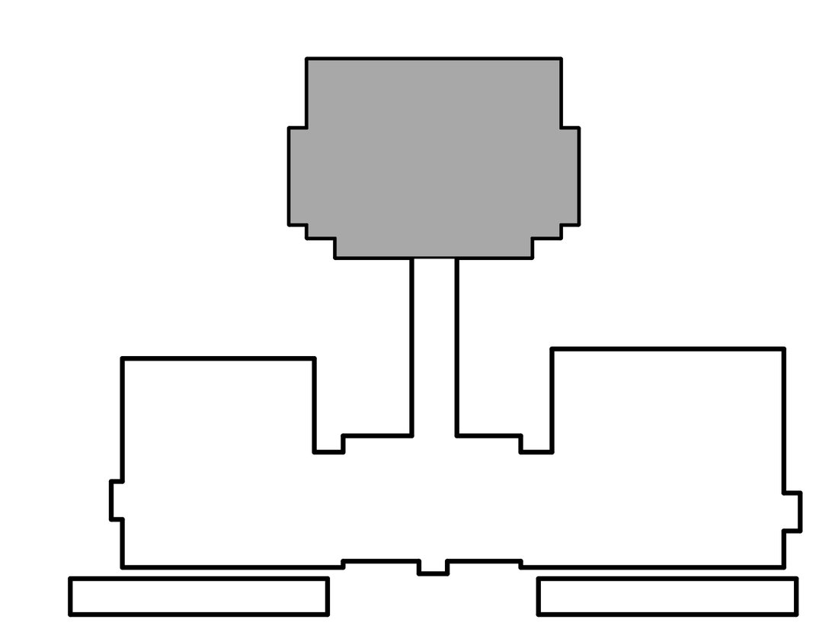
1. ALL LIGHTING FIXTURES CONTROLLED THROUGH EXISTING LIGHTING CONTROL PANEL. FIELD VERIFY OPERATION LOGIC PRIOR TO DEMOLITION AND CIRCUITING NEW LIGHTS.
2. IDENTIFY ALL ABANDONED WIRING AND CONDUIT FOUND ABOVE CEILING AND REMOVE BACK TO ORIGINATING PANEL.
3. CEILING REPLACEMENT: CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF EXISTING CEILING MOUNTED DEVICES TO REMAIN IN AREAS WHERE CEILINGS AND/OR CEILING TILES ARE BEING REPLACED. SUCH DEVICES INCLUDE, BUT ARE NOT LIMITED TO, SPEAKERS, DETECTORS, NOTIFICATION DEVICES, EXIT SIGNS, ETC. SEE ARCHITECTURAL DRAWINGS FOR AREAS WHERE CEILING AND/OR CEILING TILE REPLACEMENT IS REQUIRED



1 E-121 **LIGHTING PLAN**
SCALE: 1/8" = 1'-0"

PLAN NORTH

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"



KEY PLAN

AGS AUGUSTA REGIONAL AIRPORT

Mead & Hunt
Mead & Hunt, Inc.
5955 Core Rd, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

CROFT

AERO SYSTEMS ENGINEERING
2700 DELK ROAD SE, MARIETTA, GA 30067

JLA
JOHNSON, LASCHOBER & ASSOCIATES, P.C.

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE0 HOWARD J. WAY 03/14/2023

AUGUSTA REGIONAL AIRPORT GATES 3 & 4 TERMINAL REHABILITATION

1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED

0	3/14/2023	FINAL CONSTRUCTION DOCUMENTS
1	5/5/2023	ADDENDUM #1

M&H NO.: 2022-410
DATE: 03-14-2023
DESIGNED BY: HJW
DRAWN BY: CEB / JAP
CHECKED BY: HJW
DO NOT SCALE DRAWINGS

SHEET CONTENTS
LIGHTING PLAN

SHEET NO.:
E-121

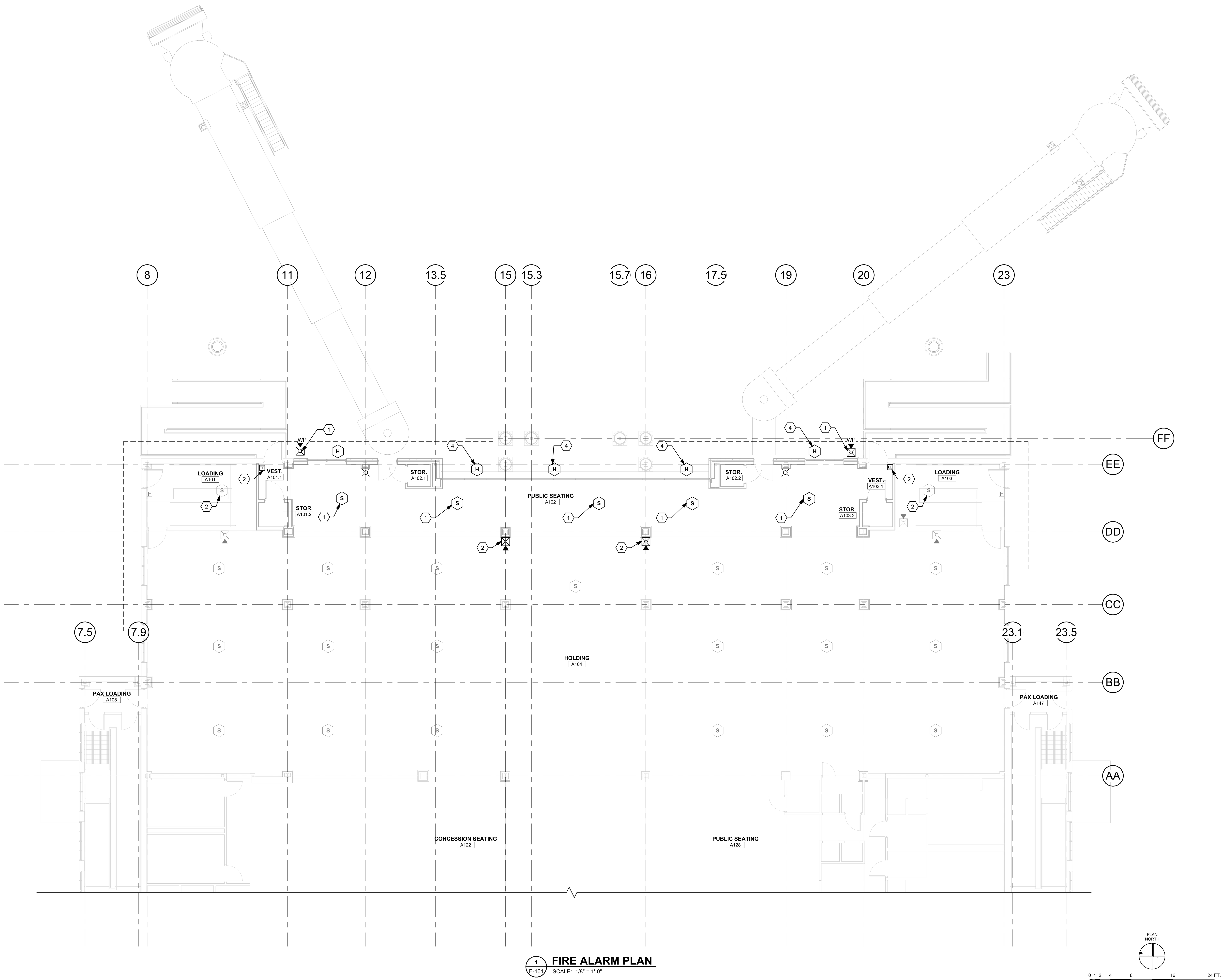
5/16/2023 3:41:13 PM Autodesk Docs://2022-410 Augusta Airport/10342201_Elec-Central.rvt

FIRE ALARM PLAN KEYED NOTES

1. PROVIDE NEW DEVICES COMPATABLE WITH EXISTING FIRE ALARM SYSTEM.
2. RELOCATE EXISTING FIRE ALARM DEVICE TO POSITION SHOWN.
3. REINSTALL ALL CEILING MOUNTED FIRE ALARM DEVICES AFTER NEW CEILING IS INSTALLED.
4. INSTALL EXTERIOR RATED HEAT DETECTOR IN SOFFIT ABOVE. CONNECT TO FIRE PROTECTION SYSTEM. SEE FIRE PROTECTION DRAWINGS.

FIRE ALARM PLAN CONSTRUCTION NOTES

1. CONTRACTOR IS TO USE APPROVED JOHNSON CONTROLS VENDOR FOR INSTALLATION OF NEW AND REPLACEMENT OF ALL EXISTING FIRE ALARM AND SIGNAL DEVICES.
   APPROVED VENDOR:
   JOHNSON CONTROLS FIRE PROTECTION LP
   BARRY "MACK" WELLS
   (803) 210-5308
   BARRY.1.WELLS@JCI.COM
2. CEILING REPLACEMENT: CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF EXISTING CEILING MOUNTED DEVICES TO REMAIN IN AREAS WHERE CEILINGS AND/OR CEILING TILES ARE BEING REPLACED. SUCH DEVICES INCLUDE, BUT ARE NOT LIMITED TO, SPEAKERS, DETECTORS, NOTIFICATION DEVICES, EXIT SIGNS, ETC. SEE ARCHITECTURAL DRAWINGS FOR AREAS WHERE CEILING AND/OR CEILING TILE REPLACEMENT IS REQUIRED.



1 E-161 **FIRE ALARM PLAN**
SCALE: 1/8" = 1'-0"

PLAN NORTH

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

KEY PLAN

AGS AUGUSTA REGIONAL AIRPORT

Mead & Hunt
Mead & Hunt, Inc.
5955 Core Rd, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

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WWW.THEJLAGROUP.COM

GEORGIA JOHNSON, LASCHOBER & ASSOC., PC No. PEF000356 EXPIRATION DATE: JUNE 30, 2024 CERTIFICATE OF AUTHORIZATION

GEORGIA REGISTERED No. PE039528 PROFESSIONAL ENGINEER HOWARD J. WAYT
03/14/2023

AUGUSTA REGIONAL AIRPORT GATES 3 & 4 TERMINAL REHABILITATION

1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED		
0	3/14/2023	FINAL CONSTRUCTION DOCUMENTS
1	5/5/2023	ADDENDUM #1

M&H NO.:	2022-410
DATE:	03-14-2023
DESIGNED BY:	HJW
DRAWN BY:	CEB / JAP
CHECKED BY:	HJW

DO NOT SCALE DRAWINGS

SHEET CONTENTS:
FIRE ALARM PLAN

SHEET NO.:
E-161

PANEL MDP

LOCATION: EXISTING
MOUNTING: SURFACE
MAIN: BREAKER
FEED FROM: MSB

MAIN AMPS: 800
VOLTAGE: 277/480V
PHASE: 3 WIRE: 4
S.C.C.: SEE NOTE 1 MIN.
PANEL OVERCURRENT PROTECTION 100 % RATED

	A	B	C	TOTAL	DEMAND
RECEPTACLE VA	0	0	0	0	0
KITCHEN VA	0	0	0	0	0
LIGHTING VA	0	0	0	0	0
OTHER VA	226,896	234,892	222,196	683,984	683,984
VA/P	226,896	234,892	222,196	683,984	683,984
A/P	819	848	802		
DEMAND A/P	819	848	802		

MIN. WIRE/CONDUIT SIZE	VA	SERVING	BREAKER AMPS	BREAKER P	CKT	PHASE	CKT	BREAKER P	BREAKER AMPS	SERVING	VA	MIN. WIRE/CONDUIT SIZE
EXISTING	19,533	SPAC-2	100	3	1	A	2	3	100	SPHP-2	12,000	EXISTING
	19,533	~			3	B	4			~	12,000	
	19,533	~			5	C	6			~	12,000	
EXISTING	19,499	ME	100	3	7	A	8	3	150	SPAC-1	25,266	EXISTING
"	19,998	~			9	B	10			~	25,266	
"	14,298	~			11	C	12			~	25,266	
EXISTING	20,900	SPAC-6	125	3	13	A	14	3	175	SPAC-7	31,466	EXISTING
	20,900	~			15	B	16			~	31,466	
	20,900	~			17	C	18			~	31,466	
EXISTING	41,461	MA	225	3	19	A	20	3	125	PCA GATE 1	25,207	EXISTING
"	46,459	~			21	B	22			~	25,207	
"	39,662	~			23	C	24			~	25,207	
EXISTING	31,564	MD	225	3	25	A	26			SPACE		
"	34,063	~			27	B	28			~		
"	33,864	~			29	C	30			~		
		SPACE			31	A	32			SPACE		
		~			33	B	34			~		
		~			35	C	36			~		
		SPACE			37	A	38			SPACE		
		~			39	B	40			~		
		~			41	C	42			~		

REMARKS:

PANEL EHDP

LOCATION: EXISTING
MOUNTING: SURFACE
MAIN: M.L.O.
FEED FROM: ATS-2

MAIN AMPS: 600
VOLTAGE: 277/480V
PHASE: 3 WIRE: 4
S.C.C.: SEE NOTE 1 MIN.

	A	B	C	TOTAL	DEMAND
RECEPTACLE VA	0	0	0	0	0
KITCHEN VA	0	0	0	0	0
LIGHTING VA	0	0	0	0	0
OTHER VA	143,796	140,016	143,116	426,928	426,928
VA/P	143,796	140,016	143,116	426,928	426,928
A/P	519	505	517		
DEMAND A/P	519	505	517		

MIN. WIRE/CONDUIT SIZE	VA	SERVING	BREAKER AMPS	BREAKER P	CKT	PHASE	CKT	BREAKER P	BREAKER AMPS	SERVING	VA	MIN. WIRE/CONDUIT SIZE
EXISTING	2,866	ODAC-1	20	3	1	A	2	3	30	SPHP-1	6,000	EXISTING
	2,866	~			3	B	4			~	6,000	
	2,866	~			5	C	6			~	6,000	
EXISTING	11,080	JETBRIDGE GATE 1	60	3	7	A	8	3	60	JETBRIDGE GATE 5	11,080	EXISTING
	11,080	~			9	B	10			~	11,080	
	11,080	~			11	C	12			~	11,080	
1 SET OF 3#8, #10G, 3/4"C.	11,080	JETBRIDGE GATE 3	60	3	13	A	14	3	70	ELEVATOR	7,466	EXISTING
	11,080	~			15	B	16			~	7,466	
	11,080	~			17	C	18			~	7,466	
		SPACE			19	A	20			SPACE		
		~			21	B	22			~		
		~			23	C	24			~		
1 SET OF 3#8, #10G, 3/4"C.	11,080	JETBRIDGE GATE 4	60	3	25	A	26	3	70	ELEVATOR	7,466	EXISTING
	11,080	~			27	B	28			~	7,466	
	11,080	~			29	C	30			~	7,466	
		SPACE			31	A	32	3	125	EHD	27,700	EXISTING
		~			33	B	34			~	27,700	
		~			35	C	36			~	27,700	
EXISTING	47,978	XFMR T1 (PANEL "ELDP")*	175	3	37	A	38			SPACE		
"	44,198	~			39	B	40			~		
"	47,298	~			41	C	42			~		

REMARKS:

PANEL LA

LOCATION: EXISTING
MOUNTING: SURFACE
MAIN: M.L.O.
FEED FROM: EHDP

MAIN AMPS: 225
VOLTAGE: 120/208V
PHASE: 3 WIRE: 4
S.C.C.: SEE NOTE 1 MIN.
PANEL OVERCURRENT PROTECTION 100 % RATED

	A	B	C	TOTAL	DEMAND
RECEPTACLE VA	0	0	0	0	0
KITCHEN VA	0	0	0	0	0
LIGHTING VA	0	0	0	0	0
OTHER VA	23,120	20,860	22,320	66,300	66,300
VA/P	23,120	20,860	22,320	66,300	66,300
A/P	193	174	186		
DEMAND A/P	193	174	186		

MIN. WIRE/CONDUIT SIZE	VA	SERVING	BREAKER AMPS	BREAKER P	CKT	PHASE	CKT	BREAKER P	BREAKER AMPS	SERVING	VA	MIN. WIRE/CONDUIT SIZE
EXISTING	600	CEILING FANS	20	1	1	A	2	1	20	RECEPTACLES	180	EXISTING
EXISTING	800	CEILING FANS	20	1	3	B	4	1	20	RECEPTACLES	180	EXISTING
EXISTING	600	CEILING FANS	20	1	5	C	6	1	20	RECEPTACLES	720	EXISTING
EXISTING	600	CEILING FANS	20	1	7	A	8	1	20	RECEPTACLES	1,260	EXISTING
EXISTING	800	GIFT SHOP REC	20	1	9	B	10	1	20	RECEPTACLES	1,260	EXISTING
EXISTING	800	RECEPTACLES	20	1	11	C	12	1	20	RECEPTACLES	1,260	EXISTING
EXISTING	500	RECEPTACLES	20	1	13	A	14	1	20	RECEPTACLES	1,440	EXISTING
EXISTING	400	RECEPTACLES	20	1	15	B	16	1	20	RECEPTACLES	1,080	EXISTING
EXISTING	400	RECEPTACLES	20	1	17	C	18	1	20	RECEPTACLES	360	EXISTING
EXISTING	500	RECEPTACLES	20	1	19	A	20	1	20	RECEPTACLES	360	EXISTING
EXISTING	500	RECEPTACLES	20	1	21	B	22	2	30	SPARE		EXISTING
EXISTING	1,000	RECEPTACLES	20	1	23	C	24			~		EXISTING
EXISTING	1,260	RECEPTACLES	20	1	25	A	26	3	20	ROLL UP GATE	1,200	EXISTING
EXISTING	1,620	RECEPTACLES	20	1	27	B	28			~	1,200	EXISTING
EXISTING	500	RECEPTACLES	20	1	29	C	30			~	1,200	EXISTING
EXISTING	1,200	EF-18	20	1	31	A	32	3	20	ROLL UP GATE	1,200	EXISTING
EXISTING	1,600	EF-1, EF-2	20	1	33	B	34			~	1,200	EXISTING
EXISTING	720	RECEPTACLES	20	1	35	C	36			~	1,200	EXISTING
EXISTING	1,080	RECEPTACLES	20	1	37	A	38	3	20	ROLL UP GATE	1,200	EXISTING
EXISTING	1,000	DISPOSAL	20	1	39	B	40			~	1,200	EXISTING
EXISTING	1,600	RECEPTACLES	20	1	41	C	42			~	1,200	EXISTING
EXISTING	600	EF-19	20	1	43	A	44	1	20	PUMP	1,000	EXISTING
EXISTING	720	RECEPTACLES	20	1	45	B	46	1	20	RECEPTACLES	720	EXISTING
EXISTING	400	SIGNS	20	1	47	C	48	1	20	RECEPTACLES	180	EXISTING
EXISTING	400	SIGNS	20	1	49	A	50	1	20	RECEPTACLES	180	EXISTING
EXISTING	400	SIGNS	20	1	51	B	52	1	20	RECEPTACLES	180	EXISTING
EXISTING		SPARE	20	1	53	C	54	1	20	RECEPTACLES	180	EXISTING
EXISTING	1,500	FILTRATION	30	2	55	A	56	1	20	SPARE		
EXISTING	1,500	~			57	B	58	1	20	DOOR ACCESS	1,000	EXISTING
1 SET OF 2#12, #12G, 3/4"C.	1,000	SEATING POWER	20	1	59	C	60	1	20	SEATING POWER	1,000	1 SET OF 2#12, #12G, 3/4"C.
1 SET OF 2#12, #12G, 3/4"C.	1,000	SEATING POWER	20	1	61	A	62	1	20	SEATING POWER	1,000	1 SET OF 2#12, #12G, 3/4"C.
1 SET OF 2#12, #12G, 3/4"C.	1,000	SEATING POWER	20	1	63	B	64	1	20	SPARE		
1 SET OF 2#12, #12G, 3/4"C.	1,000	SEATING POWER	20	1	65	C	66	1	20	SEATING POWER	1,000	1 SET OF 2#12, #12G, 3/4"C.
1 SET OF 2#12, #12G, 3/4"C.	1,000	SEATING POWER	20	1	67	A	68	1	20	SEATING POWER	1,000	1 SET OF 2#12, #12G, 3/4"C.
1 SET OF 2#12, #12G, 3/4"C.	1,000	SEATING POWER	20	1	69	B	70	1	20	SEATING POWER	1,000	1 SET OF 2#12, #12G, 3/4"C.
1 SET OF 2#12, #12G, 3/4"C.	1,000	SEATING POWER	20	1	71	C	72	1	20	SEATING POWER	1,000	1 SET OF 2#12, #12G, 3/4"C.
1 SET OF 2#12, #12G, 3/4"C.	1,000	SEATING POWER	20	1	73	A	74	1	20	SEATING POWER	1,000	1 SET OF 2#12, #12G, 3/4"C.
1 SET OF 2#12, #12G, 3/4"C.	500	SEATING POWER	20	1	75	B	76	1	20	SPARE		
1 SET OF 2#12, #12G, 3/4"C.	1,000	SEATING POWER	20	1	77	C	78	1	20	SEATING POWER	1,000	1 SET OF 2#12, #12G, 3/4"C.
1 SET OF 2#12, #12G, 3/4"C.	500	SEATING POWER	20	1	79	A	80	1	20	RECEPTACLES	360	1 SET OF 2#12, #12G, 3/4"C.
		SPACE	20	1	81	B	82	1	20	SPACE		
1 SET OF 2#12, #12G, 3/4"C.	1,000	SEATING POWER	20	1	83	C	84	1	20	SEATING POWER	1,000	1 SET OF 2#12, #12G, 3/4"C.

REMARKS:

NOTE 1: COORDINATE PANEL SCCR WITH UTILITY BEFORE BID AND INSTALLATION.

PANEL JB (NEW)

LOCATION: VEST A004
MOUNTING: SURFACE
MAIN: BREAKER
FEED FROM: ATS-2

MAIN AMPS: 1000
VOLTAGE: 277/480V
PHASE: 3 WIRE: 4
S.C.C.: SEE NOTE 1 MIN.

	A	B	C	TOTAL	DEMAND
RECEPTACLE VA	0	0	0	0	0
KITCHEN VA	0	0	0	0	0
LIGHTING VA	0	0	0	0	0
OTHER VA	206,919	206,919	206,919	620,757	620,757
VA/P	206,919	206,919	206,919	620,757	620,757
A/P	747	747	747		
DEMAND A/P	747	747	747		

MIN. WIRE/CONDUIT SIZE	VA	SERVING	BREAKER AMPS	BREAKER P	CKT	PHASE	CKT	BREAKER P	BREAKER AMPS	SERVING	VA	MIN. WIRE/CONDUIT SIZE
1 SET OF 3#2, #6G, 1 1/4"C.	27,700	GPU GATE 1 *	125	3	1	A	2	3	125	PCA GATE 5 *	25,207	1 SET OF 3#2, #6G, 1 1/4"C.
	27,700	~			3	B	4			~	25,207	
	27,700	~			5	C	6			~	25,207	
1 SET OF 3#1, #6G, 1 1/2"C.	35,456	PCA GATE 3 **	150	3	7	A	8	3	125	GPU GATE 5 *	27,700	1 SET OF 3#1, #6G, 1 1/2"C.
	35,456	~			9	B	10			~	27,700	
	35,456	~			11	C	12			~	27,700	
1 SET OF 3#1, #6G, 1 1/2"C.	27,700	GPU GATE 3 **	125	3	13	A	14	3	150	PCA GATE 4 **	35,456	1 SET OF 3#1, #6G, 1 1/2"C.
	27,700	~			15	B	16			~	35,456	
	27,700	~			17	C	18			~	35,456	
		SPACE			19	A	20	3	125	GPU GATE 4 **	27,700	1 SET OF 3#1, #6G, 1 1/2"C.
		SPACE			21	B	22				27,700	
		SPACE			23	C	24				27,700	
		SPACE			25	A	26			SPACE		
		SPACE			27	B	28			SPACE		
		SPACE			29	C	30			SPACE		
		SPACE			31	A	32			SPACE		
		SPACE			33	B	34			SPACE		
		SPACE			35	C	36			SPACE		
		SPACE			37	A	38			SPACE		
		SPACE			39	B	40			SPACE		
		SPACE			41	C	42			SPACE		

REMARKS:
* EXISTING EQUIPMENT RELOCATED TO THIS PANEL
** NEW EQUIPMENT

SPECIAL OUTLET SCHEDULE

ID	DESCRIPTION
1	FLOORBOX. DATA AND POWER
2	FLOORBOX. SEATING POWER
3	JETBRIDGE GATE 3
4	PCA GATE 3
5	GPU GATE 3
6	JETBRIDGE GATE 4
7	PCA GATE 4
8	GPU GATE 4
9	FUEL SYSTEM POWER
10	GPU GATE 1
11	GPU GATE 5
12	PCA GATE 5
13	POWER FOR DOOR HARDWARE. PROVIDE JUCTION BOX ABOVE CEILING AND CONDUIT AND BOXES AS REQUIRED TO PROVIDE POWER TO ELECTRIC DOOR LOCKS AND ACCESS CONTROL EQUIPMENT AS REQUIRED BY VENDOR. COORDINATE WITH VENDOR AND OWNER FOR LOCATION OF CONDUIT AND BOXES. SEE ARCHITECTURAL DETAILS. PROVIDE FOR A COMPLETE INSTALLATION.

SPECIAL OUTLET SCHEDULE NOTES:

PROVIDE LOCAL FUSIBLE DISCONNECTING MEANS FOR EACH PIECE OF EQUIPMENT. COORDINATE MOCP WITH EQUIPMENT MANUFACTURER.

LIGHTING FIXTURE SCHEDULE

1

TYPE MARK	MANUFACTURER	MODEL NUMBER	VOLTAGE	WATTAGE	LAMP TYPE	MOUNTING	DESCRIPTION
A	ELITE	HH10-LED-3000L-DIM10-MVOLT-WD-40K-90-HH10-1501-CL-WH	277 V	35 VA	4000K LED	RECESSED	10" LED DOWN LIGHT
B	EXISTING	EXISTING	277 V	256 VA	4000K LED	PENDANT	EXISTING FIXTURE TO BE RELOCATED AS SHOWN
C	CORONET	RING-5-40-HIGH-UNV-DB.1%-W-AC	277 V	110 VA	4000K LED	SUSPENDED	DECORATIVE LOOP MOUNT AT 12' A.F.F.
D	OCL	H01-S1SA-24-MW-MWP-LED2-40K-UNV-DIM1	277 V	35 VA	4000K LED	WALL	WALL SCONCE

AUGUSTA REGIONAL AIRPORT

Mead & Hunt, Inc.
5955 Core Rd, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
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GEORGIA JOHNSON, LASCHOBER & ASSOC., PC No. PEF000356 EXPIRATION DATE: JUNE 30, 2024 CERTIFICATE OF AUTHORIZATION

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE039528 HOWARD J. WAYT 03/14/2023

AUGUSTA REGIONAL AIRPORT GATES 3 & 4 TERMINAL REHABILITATION

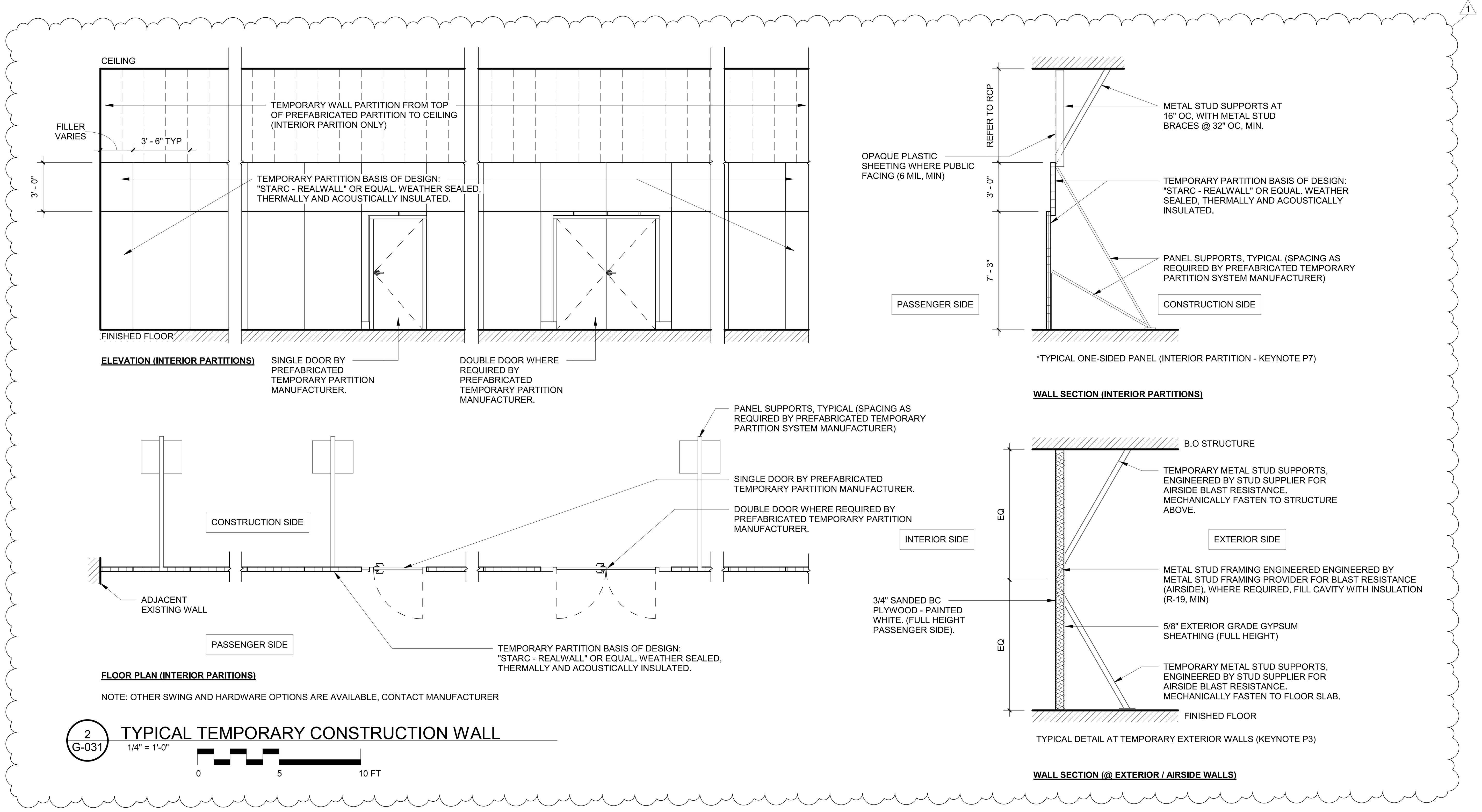
1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED
0 3/14/2023 FINAL CONSTRUCTION DOCUMENTS
1 5/5/2023 ADDENDUM #1

M&H NO.: 2022-410
DATE: 03-14-2023
DESIGNED BY: HJW
DRAWN BY: CEB / JAP
CHECKED BY: HJW
DO NOT SCALE DRAWINGS

SHEET CONTENTS
ELECTRICAL SCHEDULES

SHEET NO.:
E-602



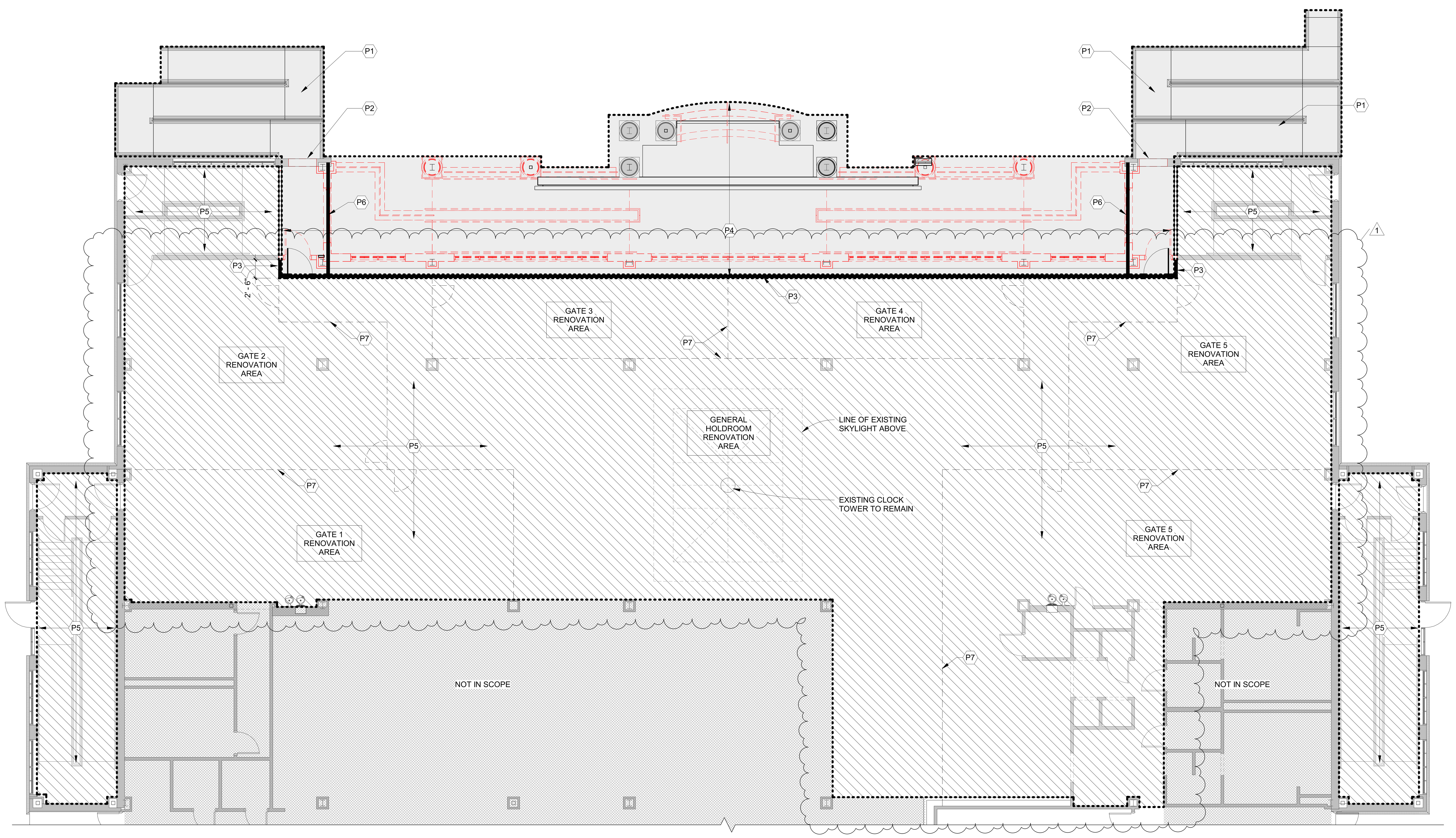
X	PHASING PLAN KEYNOTES
TAG #	TAG DESCRIPTION
P1	NEW RAMP FOR EMERGENCY EGRESS - CONSTRUCT TEMPORARY OR PERMANENT RAMP FOR EGRESS DURING CONSTRUCTION PRIOR TO DEMOLITION OF EXISTING RAMPS.
P2	TEMPORARY DOOR FOR PASSENGER EGRESS DURING CONSTRUCTION. DOOR CAN BE USED FOR COMPLETED NEW WORK, BUT MUST BE PROTECTED DURING CONSTRUCTION ELSE REPLACED.
P3	FULL HEIGHT TEMPORARY CONSTRUCTION PARTITION (WEATHER SEALED AND THERMALLY INSULATED). PARTITION SHALL BE ATTACHED TO FLOOR AND STRUCTURE ABOVE.
P4	AREA OF CONSTRUCTION ACTIVITIES (EXTERIOR / NOT ENCLOSED)
P5	AREA OF CONSTRUCTION ACTIVITIES (INTERIOR / ENCLOSED). COORDINATE WITH AIRPORT FOR GATE CLOSURES AS REQUIRED. CONSTRUCTION WORK SHALL BE PERFORMED IN ONE GATE AREA AT A TIME, UNLESS DIRECTED OTHERWISE BY AIRPORT.
P6	FULL HEIGHT TEMPORARY CONSTRUCTION PARTITION (NOT INSULATED), SIMILAR TO PARTITION P3 (ABOVE)
P7	FULL HEIGHT TEMPORARY CONSTRUCTION PARTITION (PREMANUFACTURED INTERIOR PARTITION).

GENERAL NOTES:

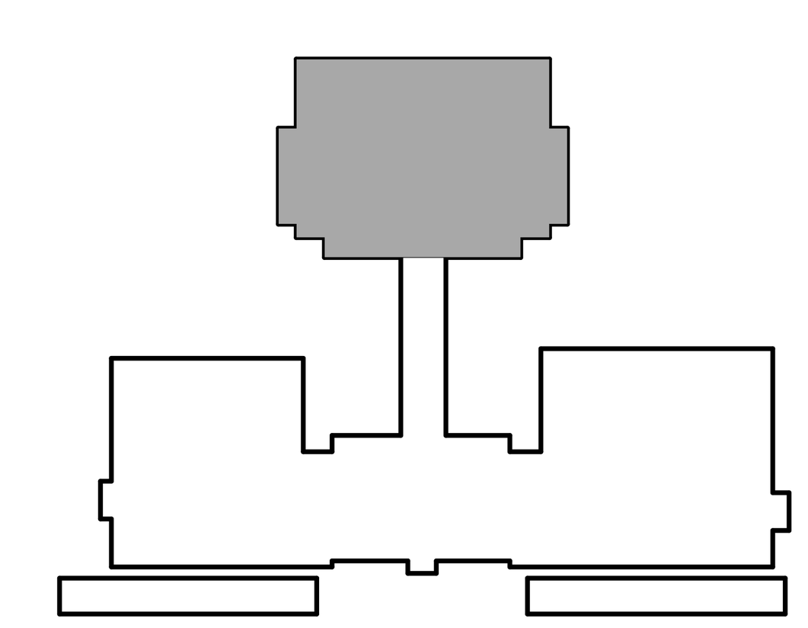
1. THE PHASING PLAN PROVIDED IS AN OUTLINE ONLY AND MEANT TO ESTABLISH GUIDELINES FOR WORK SEQUENCING AND BUILDING TIME. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A WORK SCHEDULE AND FULL SEQUENCING PLAN TO THE OWNER PRIOR TO BEGINNING CONSTRUCTION. FACILITY DOWNTIME AND IMPACT TO EXISTING OPERATIONS SHALL BE MINIMIZED AS MUCH AS POSSIBLE. INTERRUPTIONS TO UTILITIES AND HVAC OPERATIONS MUST BE CLEARLY COMMUNICATED IN THE UP-FRONT SCHEDULE TO THE OWNER FOR APPROVALS.
2. ~~SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.~~
3. SEVEN (7) AREAS OF INTERIOR RENOVATION HAVE BEEN INDICATED FOR THE PURPOSE OF COORDINATION WITH AIRPORT OPERATIONS AND TO MINIMIZE DOWNTIME OF GATES. IT IS THE INTENT OF THIS PLAN TO WORK IN ZONES WHICH ARE SEPERATED BY INTERIOR PARTITIONS UNTIL ALL WORK IS COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CLEARLY COMMUNICATE PLANS AND MAINTAIN COMMUNICATION WITH THE AIRPORT STAFF TO MINIMIZE INTERRUPTIONS AT ALL GATES AND HOLDROOM SEATING AREAS.

PHASING PLAN LEGEND:

- INTERIOR/ EXTERIOR RENOVATION WORK
- INTERIOR FINISH RENOVATION WORK
- DEMOLITION SCOPE
- TEMPORARY PARTITION (EXTERIOR / AIRSIDE)
- TEMPORARY PARTITION (INTERIOR)



1
G-031
FIRST FLOOR - PHASING PLAN
1/8" = 1'-0"
0 5 10 25 FT



KEY PLAN

AUGUSTA REGIONAL AIRPORT

Mead & Hunt, Inc.
5955 Core Rd, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

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AERO SYSTEMS ENGINEERING

JOHNSON, LASCHOBER & ASSOCIATES, P.C.

AUGUSTA REGIONAL AIRPORT GATES 3 & 4 TERMINAL REHABILITATION

1501 AVIATION WAY, AUGUSTA, GA 30906

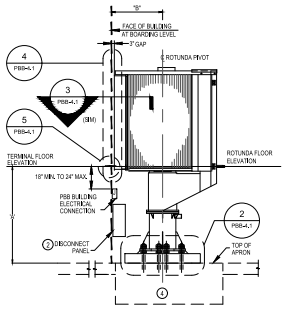
ISSUED

	3/14/2023	FINAL CONSTRUCTION DOCUMENTS
1	5/05/2023	ADDENDUM #1

M&H NO.: 0119700-220766.02
DATE: 03/14/2023
DESIGNED BY: AL
DRAWN BY: BF
CHECKED BY: AL
DO NOT SCALE DRAWINGS

SHEET CONTENTS
CONSTRUCTION PHASING PLAN

SHEET NO.:
G-031

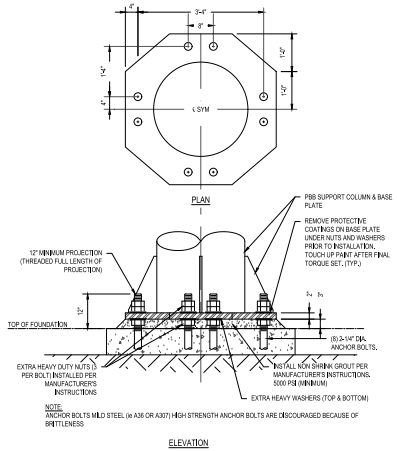


1 PBB-4.1 TYPICAL PBB ROTUNDA ELEVATION

SCALE: N.T.S.

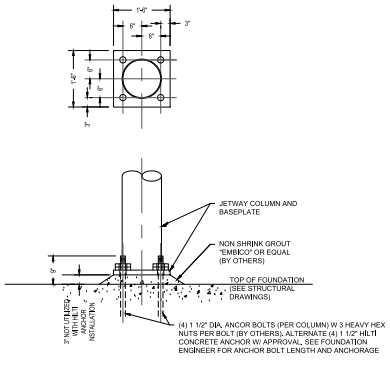
PASSENGER BOARDING BRIDGE SCHEDULE		
GATE No.	"A" ROTUNDA FLOOR HEIGHT	"B" CORRIDOR
3	4'-2"	4'-5"
4	4'-6"	11'-0"

* ALL ELEVATIONS PROVIDED BY MEAD AND HUNT. CONTRACTOR TO VERIFY ALL ELEVATIONS PRIOR TO ORDERING THE NEW EQUIPMENT.



2 PBB-4.1 PBB ANCHOR BOLT PATTERN (#7 BASE PLATE)

Scale: N.T.S.

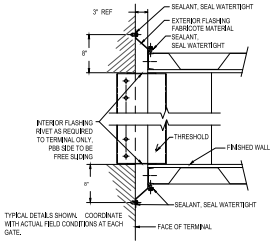


NOTE:

1) ANCHOR BOLTS DESIGNED FOR MILD STEEL (A36 OR A307). HIGH STRENGTH ANCHOR BOLTS ARE DISCOURAGED DUE TO BRITTLENESS.
   A. ALTERNATE USAGE OF 1 1/2" HILTI CONCRETE ANCHORS MAY BE UTILIZED UPON APPROVAL. 3" GROUT PAD WILL NOT BE UTILIZED IN THIS MOUNTING CONFIGURATION.
2) ANCHOR BOLTS MUST HAVE A MINIMUM 9" PROJECTION ABOVE THE FINISHED CONCRETE FOUNDATION SURFACE. THE FULL PROJECTIONS OF THE ANCHOR BOLT MUST BE THREADED.

3 PBB-4.1 PBB SUPPORTS BOLT PATTERN (#102 BASE PLATE)

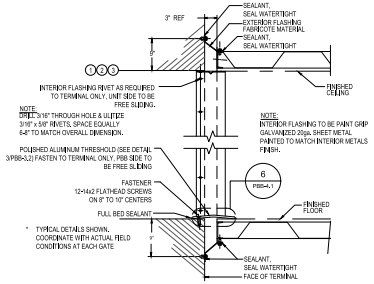
Scale: N.T.S.



* TYPICAL DETAILS SHOWN. COORDINATE WITH ACTUAL FIELD CONDITIONS AT EACH GATE.

4 PBB-4.1 PBB INTERIOR & EXTERIOR FLASHING DETAIL - DOOR JAMBS

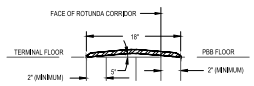
SCALE: N.T.S.



* TYPICAL DETAILS SHOWN. COORDINATE WITH ACTUAL FIELD CONDITIONS AT EACH GATE

5 PBB-4.1 PBB INTERIOR & EXTERIOR FLASHING DETAILS - HEADER & THRESHOLD

SCALE: N.T.S.



NOTE:
INSTALL THRESHOLD PLATE PER DETAILS IN MANUFACTURER'S PUBLISHED DATA.

6 PBB-4.1 PBB THRESHOLD PLATE DETAIL

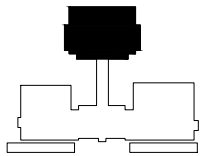
SCALE: N.T.S.

GENERAL NOTES:

1. GRIND, PRIME AND PAINT SURFACE AT ALL WELDS. PAINT SHALL MATCH EXISTING BRIDGE COLOR.
2. VERIFY EXACT LOCATION OF ALL EQUIPMENT/CONDUIT/CABLES, ETC. PRIOR TO INSTALLATION.
3. COORDINATE THE INSTALLATION OF ALL EQUIPMENT SUCH THAT BRIDGE MAINTAINS CAPACITY OF FULL DESIGN MOVEMENT. THE BRIDGE ROTATIONAL LIMITS ARE DEFINED AS THE EXTREME C.W. TO THE EXTREME C.C.W. POSITIONS, AS WELL AS THE EXTREME HIGH AND LOW AND EXTREME RETRACTABLE AND EXTENSION POSITIONS. THESE LIMITS SHALL BE THE MECHANICAL LIMITS OF THE BRIDGE AND CAB AS INSTALLED IRRESPECTIVE OF ELECTRICAL LIMIT SET POINTS.
4. ELECTRICAL AND MECHANICAL STOPS SHALL BE ADJUSTED/RELOCATED AS NECESSARY TO PREVENT DAMAGE TO BUILDING ELEMENTS AND/OR RAMP OBSTRUCTIONS. SUCH AS HIGH MAST LIGHTING. IN THE EVENT OF FAILURE OF ANY ELECTRONIC/ELECTRIC STOP CIRCUIT/SWITCH.
5. ALL UNDER BRIDGE CONDUITS AND CABLES SHALL BE INSTALLED SO AS TO MAINTAIN A CLOSE PROXIMITY TO THE BOTTOM OF THE BRIDGE. CABLES SHALL NOT HANG LOOSELY FROM BRIDGE.
6. WHEN WELDING ON THE BRIDGE, MAINTAIN A MAXIMUM OF 18" BETWEEN THE ARCING ELECTRODE AND THE GROUNDING CONNECTION, SO AS TO ENSURE THAT WELDING CURRENT FLOWS IN THE ACTUAL MATERIAL BEING WELDED.
7. ALL EQUIPMENT INSTALLED ON BRIDGE SHALL BE PAINTED TO MATCH INSTALLED BRIDGE COLOR.
8. EQUIPMENT AND DETAILS SHOWN ARE A DESIGN INTENT ONLY. PROVIDE ALL EQUIPMENT NECESSARY TO MEET THE DESIGN INTENT AND SPECIFICATIONS. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION DETAILS. SUBMIT ALL DETAILS FOR APPROVAL.
9. ALL STRUCTURAL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.1.
10. NON DESTRUCTIVE TESTING IN ACCORDANCE WITH AWS STANDARDS SHALL BE PERFORMED ON ALL STRUCTURAL COMPLETE JOINT PENETRATION, PARTIAL JOINT PENETRATION, AND FILLET WELDS.
11. ALL STRUCTURAL STEEL FABRICATION AND ERECTION SHALL BE PROVIDED IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION, CURRENT EDITION.
12. VERIFY LOCATION AND SIZES OF ANCHOR BOLTS PRIOR TO INSTALLATION.
13. COORDINATE FLASHING INSTALLATION WITH SECURITY DEVICES INSTALLED UNDER TERMINAL BUILDING PACKAGE. COORDINATE WITH SECURITY DEVICE INSTALLER. PROVIDE ASSISTANCE AS NECESSARY TO MOUNT SECURITY DEVICES IN BRIDGE ROTUNDA. ACTUAL MOUNTING BY BUILDING TEAM AS A PART OF TAA YR-8006-18. PROVIDE CONDUIT ACCESS HOLES ETCETERA AS NECESSARY, AND PER THE SPECIFICATION.
14. REFER TO STRUCTURAL DRAWINGS FOR FURTHER FOUNDATION INFORMATION.
15. VISUALLY INSPECT FOUNDATIONS AND ANCHOR BOLTS AFTER REMOVAL OF (E) PBB'S. NOTIFY ENGINEER IF DEFICIENCIES ARE OBSERVED.

SHEET NOTES:

1. ELEVATIONS AND DIMENSIONS ARE SHOWN AS A DESIGN INTENT ONLY. FIELD VERIFY ALL DIMENSIONS PRIOR TO EQUIPMENT MANUFACTURE OR INSTALLATION. DEVIATIONS MAY EXIST.
2. DISCONNECT PANEL MAY INCLUDE, SEPARATE DISCONNECTS (BREAKERS) FOR PBB, PCA AND SSFC. BREAKERS SHALL BE LABELED IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL BE LOCKABLE IN THE OFF POSITION. COORDINATE WITH FIELD CONDITIONS SO AS TO MEET ACCESSIBILITY AND WORKING CLEARANCE REQUIREMENTS OF THE NEC.
3. ALL BUILDING FACE CIRCUITS TO BE EXTENDED ACROSS WALKWAY & TERMINATED AT PBB ROTUNDA DISCONNECT PANEL OR AS OTHERWISE INDICATED.



KEY PLAN

AUGUSTA REGIONAL AIRPORT
GATES 3 & 4 TERMINAL REHABILITATION

1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED
A 03/14/23 FOR REFERENCE ONLY

FOR REFERENCE ONLY

M&H NO.	2022-410
DATE:	03-14-2023
DESIGNED BY:	NR
DRAWN BY:	NR
CHECKED BY:	CRB

SHEET CONTENTS
PASSENGER BOARDING BRIDGE DETAIL SHEET

SHEET NO.
PBB-4.1