University of Kentucky
Procurement Services

INVITATION FOR BIDS

CCK-3186.00-2-26
Kroger Field- Corner Suites and Elevators Trades
ADDENDUM #1
01/09/2026

IMPORTANT: BID AND ADDENDUM MUST BE RECEIVED BY: 01/15/2026 @ 3:00 P.M. LEXINGTON, KY TIME

Bidder must acknowledge receipt of this and any addendum as stated in the Invitation for Bids.

ITEM #1: REVISIONS/UPDATES TO ORIGINAL BID DOCUMENTS & QUESTIONS AND ANSWERS

- Please refer to and incorporate within the offer, the enclosed additional information and Questions and Responses, from the project team.

OFFICIAL APPROVAL
UNIVERSITY OF KENTUCKY

01/09/2026
Ken Scott
Ken Scott / (859) 257-9102

SIGNATURE

_____
_____
Typed or Printed Name

University of Kentucky
Procurement Services
322 Peterson Service Building
Lexington, KY 40506-0005

RSD Addendum No. 01
Date: 1/9/2025

Project: CCK-3186.00-2-26 Kroger Field- Corner Suites and Elevators Trades

This Addendum is hereby incorporated into and made as part of the Contract Documents and shall take precedence over any conflicting provisions contained in the Drawings, Specifications, or other Contract Documents. The Contractor shall be responsible for all modifications, additions, deletions, and coordination among all trades as may be required to implement the changes, substitutions, or omissions set forth herein. This Addendum shall be deemed part of the Proposal Documents and, upon award, shall be binding and enforceable as part of the Contract Documents for the successful bidder(s).

General:

1. **None**

RSD Attachments:

1. **Logistics Plan (1 Page)**
2. **Revised Construction Schedule (3 pages)**

Bid Package Clarifications:

1. Clarification to Bid Package 07 Electrical and Bid Package 09 Audio/Visual: Bid Package 09-Audio-Visual shall furnish, pull, terminate, test, and commission all Audio-Visual cabling, devices, and systems required for a complete installation. All conduits, raceways, sleeves, boxes, backboxes, pull strings, penetrations, and firestopping required for Audio Visual systems shall be provided under BP 07- Electrical. BP 09 Audio-Visual shall coordinate exact pathway requirements with the Electrical Subcontractor prior to rough-in.

2. Wall Coverings (Specification Section 097200), including WC1 and WC2, are not part of Bid Package 03 Gyp Board, Ceilings, and Floor. The inclusion of Section 097200 in Bid Package 03 Gyp Board, Ceilings, and Floor, Section 3.0 “Applicable Specifications” is hereby deleted and shall be disregarded. All wall covering work, including WC1 and WC2, shall be furnished and installed under Bid Package 02 Painting.

3. Note J in BP-08, Section 2 is hereby deleted in its entirety. Section 06 41 00 Interior Architectural Wood Casework is not included in BP-03 Gypsum Board Systems.

4. Bid Package 04 Doors and Hardware shall include an allowance in the amount of ten thousand dollars ($10,000.00) for repairs to existing door frames. Allowance usage shall be tracked using the unit prices submitted in the Form of Proposal. Labor time for frame repairs must be documented and signed off daily by Rising Sun Developing’s on-site Superintendent. Unused allowance funds shall be credited back to the Owner.

5. Bid Package 06 Mechanical is responsible for removing the existing thermostat. The thermostat shall remain connected, protected, and stored above the ceiling for the duration of demolition activities.

6. Bid Package 05 Fire Suppression is responsible for demolishing and capping one existing sprinkler head at each suite. The sprinkler head to be removed is located at the former closet location within each suite.

7. At lobby areas where new electrical fixtures, devices, or plates are indicated, Bid Package 07 Electrical shall remove existing electrical items as necessary to install the new work.

8. At lobby locations, Bid Package 02 Painting is responsible for painting all exposed HVAC grilles, registers, and diffusers, including return and supply air devices.

9. All existing door frames that are to remain shall be painted by Bid Package 02 Painting.

10. Bid Package 03 Gyp Board, Ceilings, and Floor is to provide an allowance for 2,016 square feet of gypsum board hang and finish, subject to approval of the CM/GC, with the unit price per square foot to be listed on the Form of Proposal and the allowance reconciled based on actual square footage repaired in place; this allowance is separate from and does not include the restroom wall scope described in Note 13.

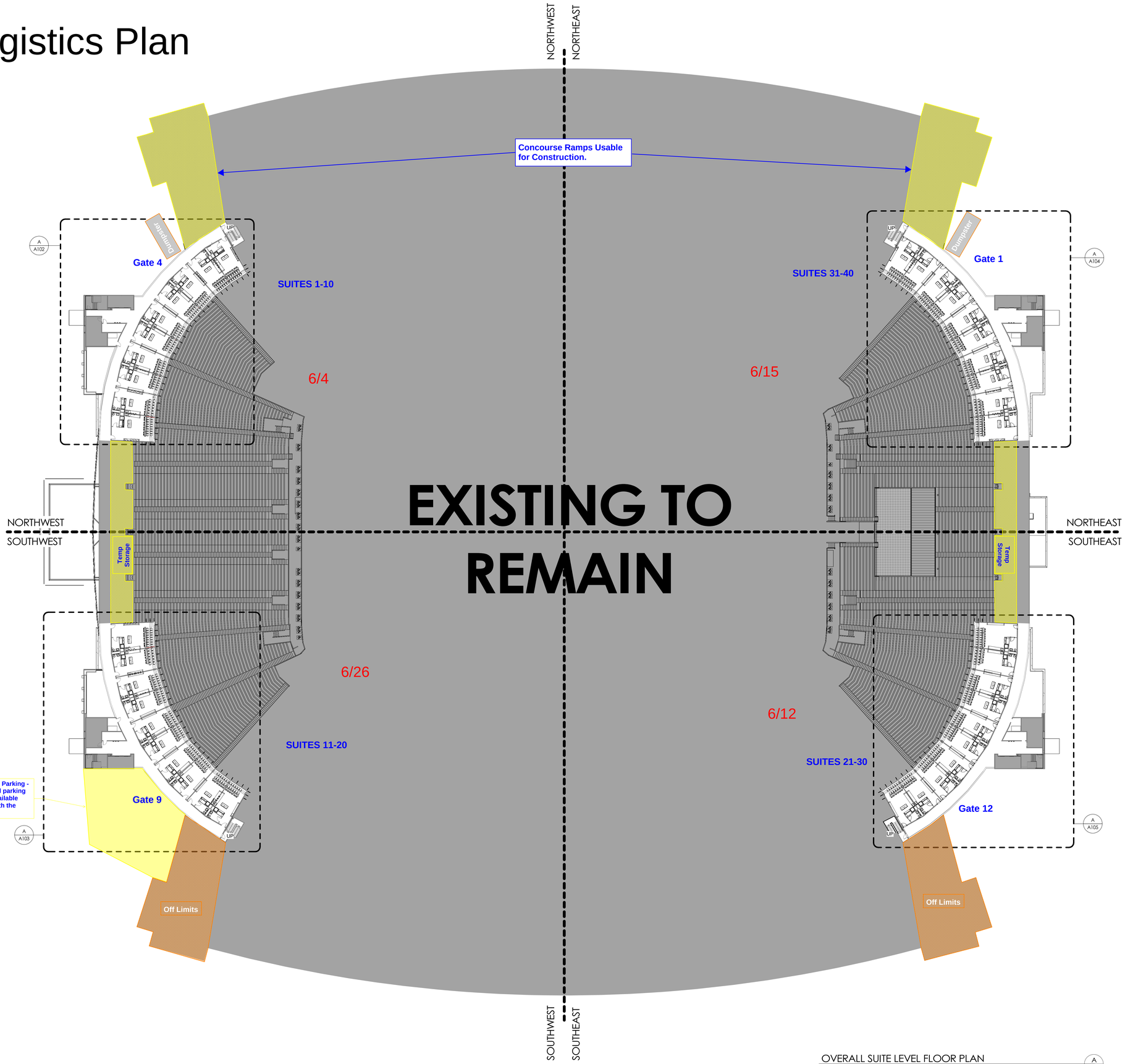
11. Bid Package 03 Gyp Board, Ceilings, and Floor is responsible for furnishing and installing Section 074213 Metal Wall Panels associated with Alternate 2.

12. Bid Package 02 Painting is responsible for painting plenum boxes black as noted on revised Sheet M301.

13. The attached photo is provided for reference only; Bid Package 03 Gyp Board, Ceilings, and Floor shall assume that all restrooms have some current demolition of gypsum board to varying extents and varying numbers of layers up to roughly 3 feet above finished floor, and contractors are responsible for the complete re-installation of all required moisture-resistant gypsum board (greenboard) from floor to roughly 3' AFF at all restroom wall locations. No new gypsum board is required above the demolished area, roughly 3' AFF, and new tile above that elevation may be installed over existing wall substrates; this restroom wall scope is a required part of the base contract work and is not an allowance nor related to the gypsum board allowance described in Note 10.

End of RSD Addendum No.01

RSD Logistics Plan

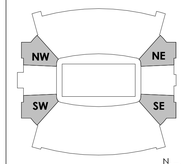


OVERALL SUITE LEVEL FLOOR PLAN
1" = 30'-0"
A A101

GENERAL PLAN NOTES

1. ALL WALL TYPES ARE WALL TYPE '1' U.N.O.
2. WALLS TO EXTEND 8" ABOVE FINISHED CEILING HEIGHT.
3. REFER TO SHEET A102 FOR DOOR SCHEDULE

KEY PLAN



SCALE: NTS

rosstarrant architects
a MOREgroup brand

HNTB
HNTB Corporation
715 Kirk Drive
Kansas City, Missouri 64105
(816) 472-1201 f Fax (816) 472-4063

GREGORY HOSFELD
No. 6923
COMMONWEALTH OF KENTUCKY
REGISTERED ARCHITECT

OVERALL REFERENCE FLOOR PLAN - SUITE LEVEL

KROGER FIELD - SUITE RENOVATION
FOR THE:
UNIVERSITY OF KENTUCKY
LEXINGTON, KENTUCKY

Architect of Record:
Civil Engineer:
Landscape Architect:
RossTarrant Architects, Inc.
101 Old Lafayette Avenue
Lexington, Kentucky 40502
p 859.254.4018
f 859.231.5046

Signature Sports Architect:
National Structural Engineer:
HNTB Corporation
1111 Main Street, Suite 2500
Kansas City, Missouri 64106
p 816.472.1201
f 816.472.4063

Local MEP Engineer:
KPI Engineers - Lexington Office
2343 Alexandra DR #200
Lexington, Kentucky 40504
p 859.271.3246

Construction Manager:
Bising Sun
2555 Palumbo Drive, Suite 110
Lexington, Kentucky 40509
p 859.543.0205

UK# 3186.0

Project No: 25041
Drawn By: DR
Rev'd By: GH/DS

ISSUED FOR:

REVISIONS

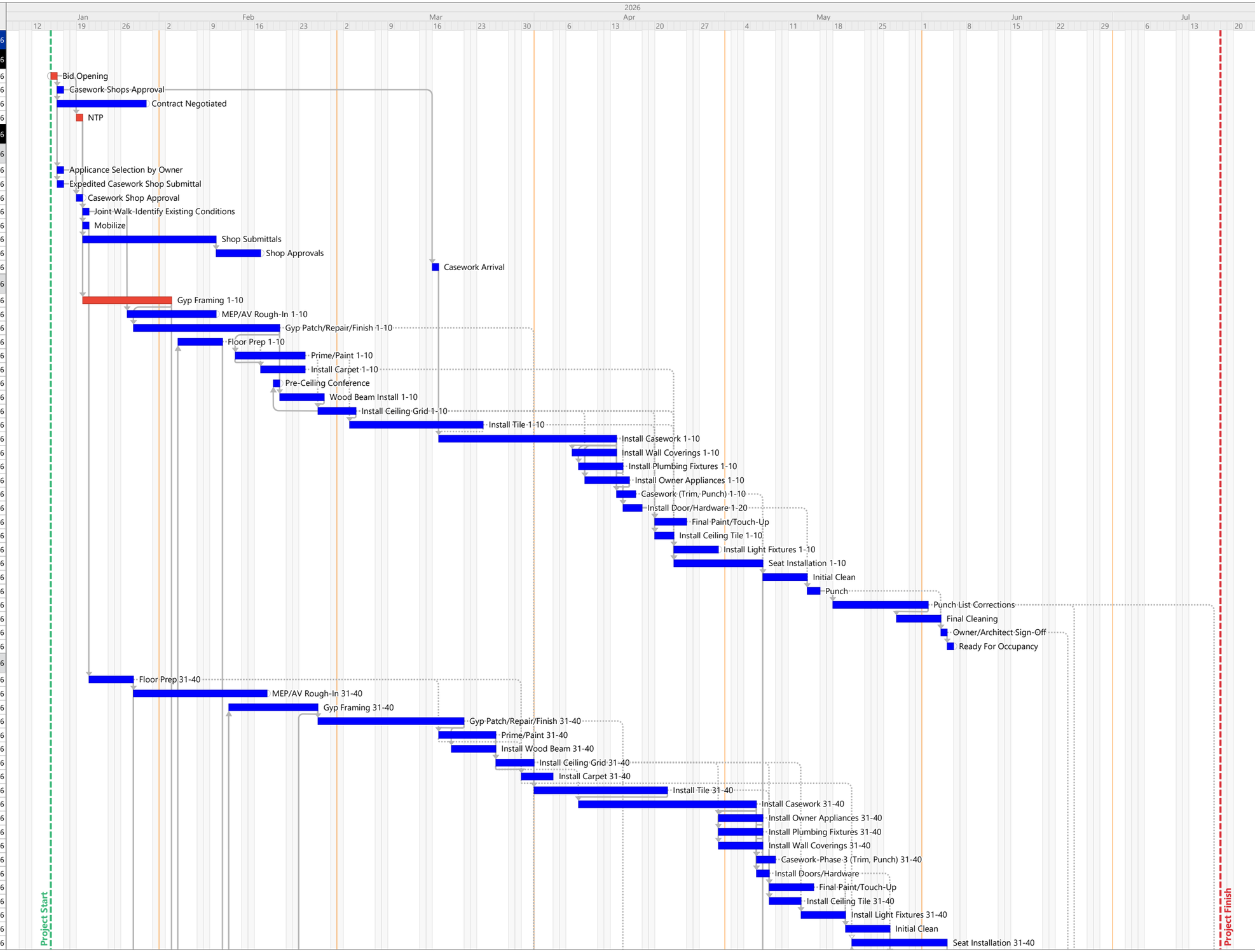
#	DATE	DESCRIPTION

CONSTRUCTION DOCUMENTS

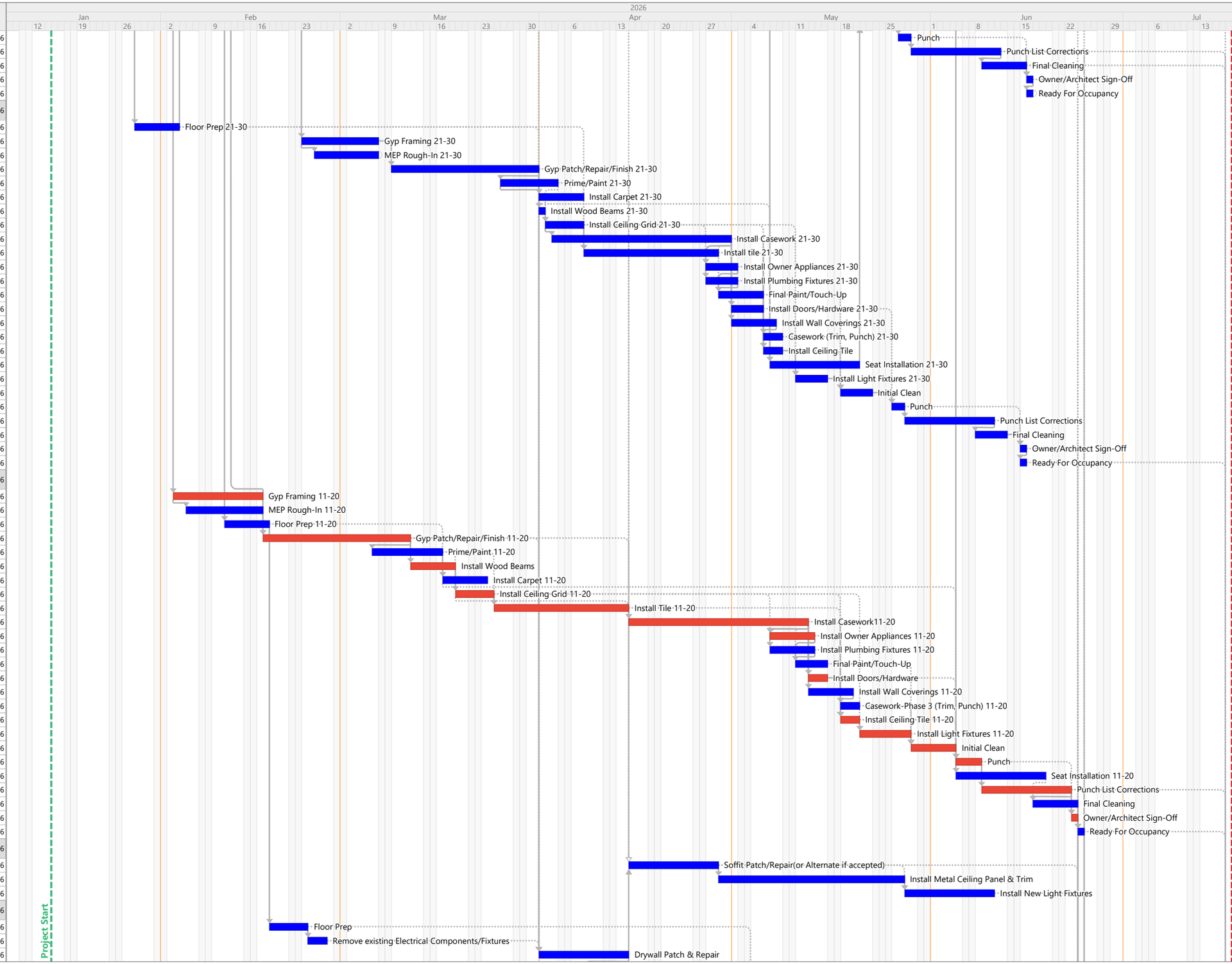
A101

OVERALL REFERENCE FLOOR PLAN - SUITE LEVEL
DATE ISSUED:
12/08/25

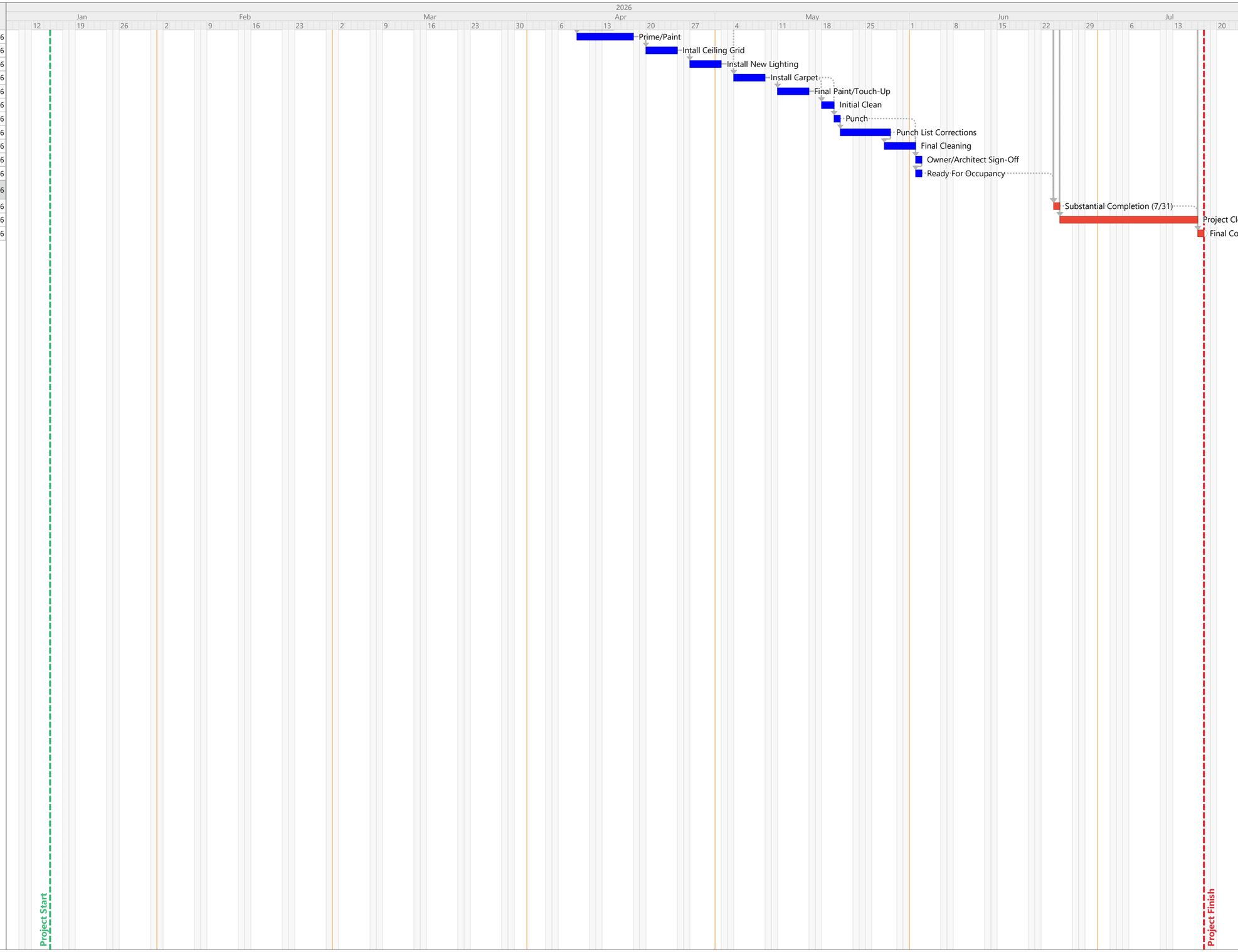
ID	Description	Original Duration	Start	Finish
UK- KROGER FIELD CORNER SUITE RENO		130	01/15/26	07/17/26
PRE-CONSTRUCTION		11	01/15/26	01/29/26
30	Bid Opening	1	01/15/26	01/15/26
50	Casework Shops Approval	1	01/16/26	01/16/26
40	Contract Negotiated	10	01/16/26	01/29/26
20	NTP	1	01/19/26	01/19/26
CONSTRUCTION		129	01/16/26	07/17/26
Phase 2 Procurement		42	01/16/26	03/16/26
56	Applicance Selection by Owner	1	01/16/26	01/16/26
59	Expedited Casework Shop Submittal	1	01/16/26	01/16/26
59.1	Casework Shop Approval	1	01/19/26	01/19/26
59.11	Joint Walk-Identify Existing Conditions	1	01/20/26	01/20/26
57	Mobilize	1	01/20/26	01/20/26
62	Shop Submittals	15	01/20/26	02/09/26
59.10	Shop Approvals	5	02/10/26	02/16/26
59.2	Casework Arrival	1	03/16/26	03/16/26
SUITES 1-10		98	01/20/26	06/05/26
77	Gyp Framing 1-10	10	01/20/26	02/02/26
59.20	MEP/AV Rough-In 1-10	10	01/27/26	02/09/26
67	Gyp Patch/Repair/Finish 1-10	17	01/28/26	02/19/26
82	Floor Prep 1-10	5	02/04/26	02/10/26
71	Prime/Paint 1-10	7	02/13/26	02/23/26
84	Install Carpet 1-10	5	02/17/26	02/23/26
90.10	Pre-Ceiling Conference	1	02/19/26	02/19/26
76	Wood Beam Install 1-10	5	02/20/26	02/26/26
90.5	Install Ceiling Grid 1-10	4	02/26/26	03/03/26
85	Install Tile 1-10	15	03/03/26	03/23/26
91	Install Casework 1-10	20	03/17/26	04/13/26
161	Install Wall Coverings 1-10	5	04/07/26	04/13/26
109.40	Install Plumbing Fixtures 1-10	5	04/08/26	04/14/26
109	Install Owner Appliances 1-10	5	04/09/26	04/15/26
131	Casework (Trim, Punch) 1-10	3	04/14/26	04/16/26
138	Install Door/Hardware 1-20	3	04/15/26	04/17/26
109.41	Final Paint/Touch-Up	5	04/20/26	04/24/26
109.45	Install Ceiling Tile 1-10	3	04/20/26	04/22/26
92	Install Light Fixtures 1-10	5	04/23/26	04/29/26
86	Seat Installation 1-10	10	04/23/26	05/06/26
142	Initial Clean	5	05/07/26	05/13/26
143	Punch	2	05/14/26	05/15/26
144	Punch List Corrections	10	05/18/26	06/01/26
146	Final Cleaning	5	05/28/26	06/03/26
155	Owner/Architect Sign-Off	1	06/04/26	06/04/26
157	Ready For Occupancy	1	06/05/26	06/05/26
SUITES 31-40		104	01/21/26	06/16/26
83	Floor Prep 31-40	5	01/21/26	01/27/26
79	MEP/AV Rough-In 31-40	15	01/28/26	02/17/26
96	Gyp Framing 31-40	10	02/12/26	02/25/26
70	Gyp Patch/Repair/Finish 31-40	17	02/26/26	03/20/26
75	Prime/Paint 31-40	7	03/17/26	03/25/26
98	Install Wood Beam 31-40	5	03/19/26	03/25/26
90.8	Install Ceiling Grid 31-40	4	03/26/26	03/31/26
89.4	Install Carpet 31-40	5	03/30/26	04/03/26
89	Install Tile 31-40	15	04/01/26	04/21/26
91.3	Install Casework 31-40	20	04/08/26	05/05/26
109.3	Install Owner Appliances 31-40	5	04/30/26	05/06/26
130	Install Plumbing Fixtures 31-40	5	04/30/26	05/06/26
130.10	Install Wall Coverings 31-40	5	04/30/26	05/06/26
134	Casework-Phase 3 (Trim, Punch) 31-40	3	05/06/26	05/08/26
171	Install Doors/Hardware	2	05/06/26	05/07/26
130.1	Final Paint/Touch-Up	5	05/08/26	05/14/26
95	Install Ceiling Tile 31-40	3	05/08/26	05/12/26
148	Install Light Fixtures 31-40	5	05/13/26	05/19/26
162	Initial Clean	4	05/20/26	05/26/26
108	Seat Installation 31-40	10	05/21/26	06/04/26



ID	Description	Original Duration	Start	Finish
163	Punch	2	05/27/26	05/28/26
164	Punch List Corrections	10	05/29/26	06/11/26
166	Final Cleaning	5	06/09/26	06/15/26
172	Owner/Architect Sign-Off	1	06/16/26	06/16/26
173	Ready For Occupancy	1	06/16/26	06/16/26
SUITES 21-30		98	01/28/26	06/15/26
90	Floor Prep 21-30	5	01/28/26	02/03/26
93	Gyp Framing 21-30	10	02/23/26	03/06/26
80	MEP Rough-In 21-30	8	02/25/26	03/06/26
69	Gyp Patch/Repair/Finish 21-30	17	03/09/26	03/31/26
73	Prime/Paint 21-30	7	03/26/26	04/03/26
89.3	Install Carpet 21-30	5	04/01/26	04/07/26
136	Install Wood Beams 21-30	1	04/01/26	04/01/26
90.7	Install Ceiling Grid 21-30	4	04/02/26	04/07/26
91.2	Install Casework 21-30	20	04/03/26	04/30/26
88	Install tile 21-30	15	04/08/26	04/28/26
109.2	Install Owner Appliances 21-30	5	04/27/26	05/01/26
120	Install Plumbing Fixtures 21-30	5	04/27/26	05/01/26
120.1	Final Paint/Touch-Up	5	04/29/26	05/05/26
110	Install Doors/Hardware 21-30	3	05/01/26	05/05/26
115	Install Wall Coverings 21-30	5	05/01/26	05/07/26
133	Casework (Trim, Punch) 21-30	3	05/06/26	05/08/26
149	Install Ceiling Tile	3	05/06/26	05/08/26
107	Seat Installation 21-30	10	05/07/26	05/20/26
147	Install Light Fixtures 21-30	5	05/11/26	05/15/26
151	Initial Clean	5	05/18/26	05/22/26
165	Punch	2	05/26/26	05/27/26
167	Punch List Corrections	10	05/28/26	06/10/26
168	Final Cleaning	5	06/08/26	06/12/26
169	Owner/Architect Sign-Off	1	06/15/26	06/15/26
175	Ready For Occupancy	1	06/15/26	06/15/26
SUITES 11-20		101	02/03/26	06/24/26
94	Gyp Framing 11-20	10	02/03/26	02/16/26
81	MEP Rough-In 11-20	8	02/05/26	02/16/26
100	Floor Prep 11-20	5	02/11/26	02/17/26
68	Gyp Patch/Repair/Finish 11-20	17	02/17/26	03/11/26
72	Prime/Paint 11-20	7	03/06/26	03/16/26
90.9	Install Wood Beams	5	03/12/26	03/18/26
89.2	Install Carpet 11-20	5	03/17/26	03/23/26
90.6	Install Ceiling Grid 11-20	4	03/19/26	03/24/26
87	Install Tile 11-20	15	03/25/26	04/14/26
91.1	Install Casework11-20	20	04/15/26	05/12/26
109.1	Install Owner Appliances 11-20	5	05/07/26	05/13/26
109.50	Install Plumbing Fixtures 11-20	5	05/07/26	05/13/26
109.51	Final Paint/Touch-Up	5	05/11/26	05/15/26
109.60	Install Doors/Hardware	3	05/13/26	05/15/26
174	Install Wall Coverings 11-20	5	05/13/26	05/19/26
132	Casework-Phase 3 (Trim, Punch) 11-20	3	05/18/26	05/20/26
160	Install Ceiling Tile 11-20	3	05/18/26	05/20/26
145	Install Light Fixtures 11-20	5	05/21/26	05/28/26
152	Initial Clean	5	05/29/26	06/04/26
153	Punch	2	06/05/26	06/08/26
105	Seat Installation 11-20	10	06/05/26	06/18/26
154	Punch List Corrections	10	06/09/26	06/22/26
156	Final Cleaning	5	06/17/26	06/23/26
158	Owner/Architect Sign-Off	1	06/23/26	06/23/26
159	Ready For Occupancy	1	06/24/26	06/24/26
Corridor		40	04/15/26	06/10/26
74	Soffit Patch/Repair(or Alternate if accepted)	10	04/15/26	04/28/26
97	Install Metal Ceiling Panel & Trim	20	04/29/26	05/27/26
78	Install New Light Fixtures	10	05/28/26	06/10/26
VESTIBULES 1-4		74	02/18/26	06/02/26
130.25	Floor Prep	4	02/18/26	02/23/26
130.22	Remove existing Electrical Components/Fixtures	3	02/24/26	02/26/26
130.20	Drywall Patch & Repair	10	04/01/26	04/14/26



ID	Description	Original Duration	Start	Finish
130.18	Prime/Paint	7	04/09/26	04/17/26
130.19	Intall Ceiling Grid	5	04/20/26	04/24/26
130.17	Install New Lighting	5	04/27/26	05/01/26
130.16	Install Carpet	5	05/04/26	05/08/26
130.15	Final Paint/Touch-Up	5	05/11/26	05/15/26
130.30	Initial Clean	2	05/18/26	05/19/26
130.40	Punch	1	05/20/26	05/20/26
130.60	Punch List Corrections	5	05/21/26	05/28/26
130.50	Final Cleaning	3	05/28/26	06/01/26
130.55	Owner/Architect Sign-Off	1	06/02/26	06/02/26
130.57	Ready For Occupancy	1	06/02/26	06/02/26
PROJECT CLOSEOUT		17	06/24/26	07/17/26
150	Substantial Completion (7/31)	1	06/24/26	06/24/26
170	Project Closeout Documentation	15	06/25/26	07/16/26
180	Final Completion (8/29)	1	07/17/26	07/17/26



UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL

BP 04 DOORS AND HARDWARE

Project No. 0000.0 Project Title: Example Title

Purchasing Officer: _____

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

****

This Proposal is submitted by: _____
(NAME AND ADDRESS OF BIDDER)

Date: _____ _____

Telephone: _____ _____

TO: BID CLERK
UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION
PROCUREMENT
RM. 322 SERVICE BUILDING
LEXINGTON, KY. 40506-0005

INVITATION TO BID: **CCK-**

BID OPENING DATE: **January 1, 2015**

TIME 3:00 P.M. E.D.T.

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. _____ DATED _____

ADDENDUM NO. _____ DATED _____

ADDENDUM NO. _____ DATED _____
(Here insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)

Contractor Report of Prior Violations of
Chapters 136,139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor's operations. The Contractor's failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.

LUMP SUM PROPOSAL

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

FOR THE LUMP SUM OF_____
(USE WORDS)
_____DOLLARS AND_____CENTS.
(USE WORDS) (USE WORDS)

($_____)
(USE FIGURES)

Alternate:

Alternate No. 1 – Additional Induction Warmers and Electrical Upgrades
Alternate No. 2 – Metal Ceiling System with Coordinated Lighting Upgrades

004100B04
FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);

2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. CCK- have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;

3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;

4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;

5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;

6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.

7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.

8. That the bidding contractor and all subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.

9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW - FAILURE TO SIGN INVALIDATES BID

SIGNED BY_____ TITLE_____

PRINT NAME_____ FIRM_____

ADDRESS_____ AREA CODE & PHONE _____

_____ FAX_____
CITY STATE ZIP CODE

BIDDER'S EMAIL _____ DATE_____

004100B04

BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database.
Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

(01)___Small Business

(02)___Large Business

(03)___Disadvantaged Small Business

(04)___Disadvantaged Large Business

(05)___Woman-Owned Small Business

(06)___Woman-Owned Large Business

(07)___Disadvantaged Woman-Owned Small Business

(08)___Disadvantaged Woman-Owned Large Business

(09)___Other

DEFINITIONS

(01) SMALL BUSINESS: A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.

(02) LARGE BUSINESS: A business concern that exceeds the small business size code standards established by SBA.

(03) DISADVANTAGED SMALL BUSINESS: A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include: Asian, Black/African American, Hispanic or Latino, Native American, Native Hawaiian/Pacific Islander, Women, Disabled, Veteran and Disabled Veteran and other minorities or individuals found to be disadvantaged by the SBA.

(04) DISADVANTAGED LARGE BUSINESS: A concern that meets the definition of socially and economically disadvantaged individuals as defined above, but which is not a small business by the SBA's size standards.

(05) WOMAN-OWNED SMALL BUSINESS: A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.

(06) WOMAN-OWNED LARGE BUSINESS: A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.

(07) DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS: A concern that meets the definition of both (03) and (05) above.

(08) DISADVANTAGED, WOMAN OWNED LARGE BUSINESS: A concern that meets the definition of both (04) and (06) above.

(09) OTHER: A concern that does not meet any of the above definitions.

THE FOLLOWING ITEMS ARE HEREWITH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.

2. List of Proposed Subcontractors and Unit Prices. (if required)

3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.

4. List of Materials and Equipment.

5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

_____

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, "to the responsive and responsible bidder whose bid offers the best value" to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.

UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders will be required to complete and submit the following Unit Prices with the bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

DESCRIPTION OF WORK	UNIT PRICE
Labor for Frame Repair	/ HR

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

The apparent low bidders will be required to complete and submit to the University the following information by twelve o'clock (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR
	None

LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

The apparent low bidders will be required to complete and submit to the University the following information by twelve o'clock (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

ITEM	MATERIALS AND EQUIPMENT	BRAND OR MANUFACTURER
		None_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____

004100B04

IDENTIFICATION OF DIVERSE BUSINESS ENTERPRISE SUBCONTRACTORS AND MATERIAL SUPPLIERS

Diverse Business Enterprises (DBE) consist of minority, women, disabled, veteran and disabled veteran owned business firms that are at least fifty-one percent owned and operated by an individual(s) of the aforementioned categories. Also included in this category are disabled business enterprises and non-profit work centers for the blind and severely disabled.

MBE, WBE, Veterans, Disable Veterans and Disabled make up Diverse Business Enterprises, DBE.

Participation of DBE owned Contractors and businesses.

The University of Kentucky encourages and supports the participation Diverse Business Enterprises. Please list Subcontractors and Material Suppliers according to following Ethnic Vendor List or if they are a Woman Owned Business:

- Asian
- Black/African American
- Hispanic or Latino
- Native American Native Hawaiian/Pacific Islander
- White
- Other

1. DBE (Ethnic or Woman) Subcontractors

_____

_____

_____

_____

_____

_____

2. DBE (Ethnic or Woman) Material Suppliers

_____

_____

_____

_____

_____

_____

SUPERINTENDENT

004100B04

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendent's qualifications and or past projects.

_____

List the Superintendent's Name

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL

BP 03 GYP BOARD, CEILINGS, AND FLOOR

Project No. 0000.0 Project Title: Example Title

Purchasing Officer: _____

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

****

This Proposal is submitted by: _____
(NAME AND ADDRESS OF BIDDER)

Date: _____ _____

Telephone: _____ _____

TO: BID CLERK
UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT
RM. 322 SERVICE BUILDING
LEXINGTON, KY. 40506-0005

INVITATION TO BID: **CCK-**

BID OPENING DATE: **January 1, 2015**

TIME 3:00 P.M. E.D.T.

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. _____ DATED _____

ADDENDUM NO. _____ DATED _____

ADDENDUM NO. _____ DATED _____
(Here insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)

Contractor Report of Prior Violations of
Chapters 136,139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor's operations. The Contractor's failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.

LUMP SUM PROPOSAL

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

FOR THE LUMP SUM OF_____
(USE WORDS)
_____DOLLARS AND_____CENTS.
(USE WORDS) (USE WORDS)

($_____)
(USE FIGURES)

Alternate:

Alternate No. 1 – Additional Induction Warmers and Electrical Upgrades
Alternate No. 2 – Metal Ceiling System with Coordinated Lighting Upgrades

004100B03
FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);

2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. CCK- have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;

3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;

4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;

5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;

6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.

7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.

8. That the bidding contractor and all subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.

9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW - FAILURE TO SIGN INVALIDATES BID

SIGNED BY_____ TITLE_____

PRINT NAME_____ FIRM_____

ADDRESS_____ AREA CODE & PHONE _____

_____ FAX_____
CITY STATE ZIP CODE

BIDDER'S EMAIL _____ DATE_____

004100B03

BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database.
Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

(01)___Small Business

(02)___Large Business

(03)___Disadvantaged Small Business

(04)___Disadvantaged Large Business

(05)___Woman-Owned Small Business

(06)___Woman-Owned Large Business

(07)___Disadvantaged Woman-Owned Small Business

(08)___Disadvantaged Woman-Owned Large Business

(09)___Other

DEFINITIONS

(01) SMALL BUSINESS: A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.

(02) LARGE BUSINESS: A business concern that exceeds the small business size code standards established by SBA.

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(07) DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS: A concern that meets the definition of both (03) and (05) above.

(08) DISADVANTAGED, WOMAN OWNED LARGE BUSINESS: A concern that meets the definition of both (04) and (06) above.

(09) OTHER: A concern that does not meet any of the above definitions.

THE FOLLOWING ITEMS ARE HEREWITH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.

2. List of Proposed Subcontractors and Unit Prices. (if required)

3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.

4. List of Materials and Equipment.

5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

_____

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, "to the responsive and responsible bidder whose bid offers the best value" to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.

UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders will be required to complete and submit the following Unit Prices with the bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

DESCRIPTION OF WORK	UNIT PRICE
Finisher	/hr
ACT (Labor)	/hr
ACT (Material)	/sf
Carpet (Labor)	/hr
Carpet (Material)	/sf
Hang/Finish	/sf

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

The apparent low bidders will be required to complete and submit to the University the following information by twelve o'clock (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR
	None

LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

The apparent low bidders will be required to complete and submit to the University the following information by twelve o'clock (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

ITEM	MATERIALS AND EQUIPMENT	BRAND OR MANUFACTURER
		None_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____

004100B03

IDENTIFICATION OF DIVERSE BUSINESS ENTERPRISE SUBCONTRACTORS AND MATERIAL SUPPLIERS

Diverse Business Enterprises (DBE) consist of minority, women, disabled, veteran and disabled veteran owned business firms that are at least fifty-one percent owned and operated by an individual(s) of the aforementioned categories. Also included in this category are disabled business enterprises and non-profit work centers for the blind and severely disabled.

MBE, WBE, Veterans, Disable Veterans and Disabled make up Diverse Business Enterprises, DBE.

Participation of DBE owned Contractors and businesses.

The University of Kentucky encourages and supports the participation Diverse Business Enterprises. Please list Subcontractors and Material Suppliers according to following Ethnic Vendor List or if they are a Woman Owned Business:

- Asian
- Black/African American
- Hispanic or Latino
- Native American Native Hawaiian/Pacific Islander
- White
- Other

1. DBE (Ethnic or Woman) Subcontractors

_____

_____

_____

_____

_____

_____

2. DBE (Ethnic or Woman) Material Suppliers

_____

_____

_____

_____

_____

_____

SUPERINTENDENT

004100B03

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendent's qualifications and or past projects.

_____

List the Superintendent's Name

ADDENDUM NO. 1

TO THE DRAWINGS AND SPECIFICATIONS
FOR THE
Kroger Field – Suite Renovation
University of Kentucky
RTA 25041
UK 3186.0
01/09/2026

To All Plan Holders of Record:

This Addendum modifies bid documents dated 12/08/25 for the above project, and shall become part of said documents in the preparation of proposals and execution of work of the subject project.

General:

1. Refer to Rising Sun and KFI Addendum attachments.

Specifications:

1. Refer to Specification 064100- INTERIOR ARCHITECTURAL WOOD CASEWORK
   a) Replace Specification 064100- INTERIOR ARCHITECTURAL WOOD CASEWORK in its entirety with attached PDF.
2. Refer to Specification 074213 – METAL WALL PANELS
   a) Add Specification 074213 – METAL WALL PANELS
3. Refer to specification section 081113 – HOLLOW METAL DOORS AND FRAMES.
   a) Include MPI as an approved manufacturer.
4. Refer to specification 087100 – DOOR HARDWARE
   a) Add Specification 087100 – DOOR HARDWARE
5. Refer to specification 090050 – FINISH LEGEND
   a) Replace Specification 090050- FINISH LEGEND in its entirety with attached PDF.
6. Refer to specification section 092116 – GYPSUM BOARD ASSEMBLIES
   a) Add Mold & Moisture Resistant Gypsum board. To be installed in RR spaces.
7. Refer to specification 093000 TILING
   a) Replace Specification 093000 TILING in its entirety with attached PDF.
8. Refer to specification 095113 ACOUSTICAL PANEL CEILINGS
   a) Part 2; 2.04 Mineral Based Acoustical Panel
      i) Add line: C. 1. B. Substitution for TURF Grille is acceptable, provided it meets conditions of the specification. 24”x24” size is required and longer formats are not acceptable. Please contact the rep for pricing and all other product questions. Brad Betts - brad@greatapg.com - 248.444.1664
9. Refer to specification 096513 RESILIENT WALL BASE AND ACCESSORIES
   a) Replace Specification 096513 RESILIENT WALL BASE AND ACCESSORIES in its entirety with attached PDF.
10. Refer to specification 096813 CARPET
    a) Replace Specification 096813 CARPET in its entirety with attached PDF.
11. Refer to specification 262416 – PANEL BOARDS
    a) Replace Specification 262416 – Panel Boards in its entirety with attached PDF.

12. Refer to specification 262726 – WIRING DEVICES
    a) Replace Specification 262726 – Wiring Devices in its entirety with attached PDF.

Drawings:

1. Refer to drawing sheet A800 – ALTERNATES
    a) Replace in its entirety with attached A800 – ALTERNATES Sheet.
2. Refer to drawing sheet A200 – Interiors Room Finish Schedule
    a) See details A/A200 , B/A200 and D/A200
        i) Please Note that 1-1/2" thick countertop is a nominal size to be adjusted after countertop product is selected.
3. Refer to drawing sheet A201 – Interiors Typical Suites Enlarged Finish Plans
    a) See Elevation D/A201; Change WSU1 note to say "Equal to Kegworks rod and joint shelving system, with sourced steel shelving electroplated to match brass finish Shelving to be 4'6" long."
4. Refer to drawing sheet A203 – Interiors Typical Enlarged Finish Plan Larger Suites
    a) See Elevation L/A203; Change WSU1 note to say "Equal to Kegworks rod and joint shelving system, with sourced steel shelving electroplated to match brass finish Shelving to be 4'6" long."
5. Refer to drawing sheet A203 – Interiors Typical Enlarged Finish Plan Larger Suites
    a) See Elevation N/A203; Change WD1 note to say "WD2 Casework wall to match cabinet finish and to have 1-1/2" stiles and rails"
    b) See Elevation M/A203; Change wording of WP1 note from "WP1 Finished end on wall, 1 ½" shaker style trim rails and 1" stiles" note to say "WD2 Casework Wall to match cabinet finish and to have 1-1/2"stiles and rails"
    c) See Elevation L/A203; Change wording of WD2 note from " WD2; Casework wall to match cabinet finish and to have 1-1/2" stiles and rails." To " WP1; ¾" wood paneling painted P2 on gyp wall with 1-1/2" stiles and rails, wood paneling to go back behind refrigerator."

END OF ADDENDUM

SECTION 064100 - INTERIOR ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Special Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SECTION INCLUDES

A. This Section includes the following:
1. Simulated Stone Quartz Surfacing Countertops (SC1) Basis of design and two Alternates (SC1-B, SC1-C)
2. Solid Surface Window Sills (SS1)
3. Reclaimed White Oak Wood Wall Panels, Island Cabinetry, RR Sink Apron & Tile Wainscot Trim (WD1)
4. Painted Wood Cabinetry (WD2), custom paint finish.
5. Stained Wood Cabinetry (WD3), Wrapped in reclaimed wood panels (WD1)
6. Painted Wood Wall Panels (WP1), custom paint finish.
7. Painted Wood Trim applied to WP1, refer to elevations. Custom paint finish.
8. Painted/Stained Wood Base (WDB1), custom paint finish. Stained at Island.
9. Painted Wood Trim (WTR1), Custom paint finish
10. Cabinetry Hardware (HW1, 2,3, 4, 5)
11. Wall Hung Shelving Unit (WSU1)
12. Floating Vanity Bracket
13. High Pressure Laminate Restroom Vanity Enclosure Panel (HPL1)

B. Refer to Specification 090050 for additional information.

1.03 RELATED REQUIREMENTS

A. Section 013000 - Administrative Requirements - Submittal procedures.

B. Section 054000 - Cold-Formed Metal Framing: Exterior wind-load-bearing metal stud framing.

C. Section 061000 - Rough Carpentry: Building framing and sheathing.

D. Section 061000 - Rough Carpentry: Wood blocking product and execution requirements.

E. Section 090050 - Finish Legend.

F. Section 123550 - Institutional Casework: (plastic laminate faced wood cabinets of stock design).

1.04 DEFINITIONS

A. Interior architectural woodwork includes wood furring, blocking, shims, and hanging strips for installing woodwork items, unless concealed within other construction before woodwork installation.

B. Exposed Portions of Cabinets: Surfaces visible when doors and drawers are closed, including bottoms of cabinets more than 48 inches (1220 mm) above floor, and surfaces visible in open cabinets. The bottom of wall cabinets are considered exposed and will receive **a custom paint finish to match other element in the room**.

C. Semiexposed Portions of Cabinets: Surfaces behind opaque doors, such as interiors of cabinets, shelves, dividers, interiors and sides of drawers, and interior faces of doors. Tops of cases 78 inches (1980 mm) or more above floor are defined as semiexposed.

D. Concealed Portions of Cabinets: Surfaces not usually visible after installation, including sleepers, web frames, dust panels, and ends and backs that are placed directly against walls or other cabinets.

1.05 REFERENCE STANDARDS

A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2014.

B. UL (FRD) - Fire Resistance Directory; Underwriters Laboratories Inc.; current edition.
   1. Class A, with a Flame Spread of 77-100 and Smoke Developed of 77-100 when tested in accordance with ASTM E 84 and NFPA 255. The material has an UL 723 Class A Rating.

1.06 SUBMITTALS

A. Samples for Verification: 6-inch- (150-mm-) square Samples for each type of finish, including top material and the following:
   1. Section of countertop showing top, front edge, and backsplash construction.

B. Product Data: For each type of product indicated including cabinet hardware and accessories and finishing materials and processes.

C. Product Data: For each type of product indicated.

D. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.

E. Shop Drawings: Show fabrication and installation details for institutional casework. Include plans, elevations, sections, details, and attachments to other Work.

F. Samples for Initial Selection: Manufacturer's color charts consisting of units or sections of units showing the full range of colors, textures, and patterns available for each type of material indicated.
   1. Painted cabinetry, melamine interior materials, wall panels & trim.
   2. Reclaimed wood.

G. Samples for Initial Selection: For cabinet finishes and for each type of top material indicated.

H. Product Certificates: Signed by manufacturers of woodwork certifying that products furnished comply with requirements.

I. Qualification Data: For firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

1.07 QUALITY ASSURANCE

A. Installer Qualifications: An experienced installer who has completed architectural woodwork similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.

B. Fabricator Qualifications: A firm experienced in producing architectural woodwork similar to that indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.

C. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 1 Section "Project Meetings."

D. Source Limitations: Obtain institutional casework through one source from a single manufacturer.

E. Quality Standard: Unless otherwise indicated, comply with AWI's "Architectural Woodwork Quality Standards," Section 1600.

1.08 PRE-INSTALLATION MEETING

A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by all relevant installers.

1.09 COMPLETION MEETING

A. A meeting shall be held at the completion of the project and attended by all parties that were present at the pre-job conference. A punch list of items required for completion shall be compiled by the Contractor and the Manufacturer's representative. The Contractor shall complete all punch list items and acquire Manufacturer's warranty for final submittal to Architect.

1.10 DELIVERY, STORAGE, AND HANDLING

A. Do not deliver woodwork until painting and similar operations that could damage woodwork have been completed in installation areas. If woodwork must be stored in other than installation areas, store only in areas where environmental conditions comply with requirements specified in "Project Conditions" Article.

1.11 PROJECT CONDITIONS

A. Environmental Limitations: Do not deliver or install woodwork until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.

B. Field Measurements: Where woodwork is indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
   1. Locate concealed framing, blocking, and reinforcements that support woodwork by field measurements before being enclosed and indicate measurements on Shop Drawings.
   2. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating woodwork without field measurements. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

1.12 COORDINATION

A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other Sections to ensure that interior architectural woodwork can be supported and installed as indicated.

B. Hardware Coordination: Distribute copies of approved hardware legend specified in Division 8 Section "Door Hardware (Keyed by Naming Products) " to fabricator of architectural woodwork; coordinate Shop drawings and fabrication with hardware requirements.

1.13 SEQUENCING AND SCHEDULING

A. Coordinate the work with all sections referencing this section.

1.14 WARRANTY

A. Special Warranty: Manufacturer’s standard form in which manufacturer agrees to repair or replace components of casework that fail in materials or workmanship within specified warranty period. Failures include, but are not limited to, the following:
   1. Delamination of components or other failures of glue bond
   2. Warping of components.
   3. Failure of operating hardware.
   4. Deterioration of finishes.

B. Warranty Period: Five years from date of Substantial Completion.

PART 2 PRODUCTS

2.01 WOODWORK FABRICATORS

A. All manufacturing technic and components must comply with the contract specifications. The designer's selections will not be limited to those plastic laminate selections which are the standards of the casework manufacturer. The plastic laminate selections will be made from the laminate manufacturer(s) full range of colors, patterns and finishes.

B. Multiple manufacturers of work of this section will not be accepted. Subject to compliance with requirements, interior architectural woodwork by one of the following include :
1. Leininger Cabinets.
2. Atlas - co
3. Riverside Mill.
4. Morgan Smith Industries.
5. Custom Creations, Inc.
6. Cabinets & Countertops, Inc.
7. Reynolds & Poyle, Inc.
8. Wood Concepts
9. Cowart & Company.
10. Southern Cabinetry, Inc.
11. Kentucky Caseworks.
12. SSC Casework & Millwork.
13. Stidham Cabinets.
14. Diversified Woodworking.
15. Tate Ornamental.
16. Custom cabinetry companies whose products meet or exceed the project specifications as approved by written addendum.

C. Refer to the drawings for premium laminate and/or decorative metal laminate locations.

2.02 MATERIALS

A. General: Provide materials that comply with requirements of the AWI quality standard for each type of woodwork and quality grade specified, unless otherwise indicated.

B. Wood Species and Cut for Transparent Finish: (birch), plain sawn or sliced.

C. Wood Species for Opaque Finish: Any closed-grain hardwood.

D. Wood Products: Comply with the following:
1. Hardboard: AHA A135.4.
2. Medium-Density Fiberboard: ANSI A208.2, Grade MD-Exterior Glue.
3. Particleboard: ANSI A208.1, Grade M-2-Exterior Glue.
4. Softwood Plywood: DOC PS 1, Medium Density Overlay.
5. Hardwood Plywood and Face Veneers: HPVA HP-1.
6. Exposed Plywood: Hardwood plywood, selected for compatible color and grain. Grade AA exposed faces at least 1/50 inch (0.5 mm) thick, and Grade J crossbands. Provide both faces of same species.
7. Semiexposed Plywood: Hardwood plywood of same species as exposed plywood. Semiexposed backs of plywood with exposed faces shall be same species as faces. Grade B faces and Grade J crossbands.

E. Thermoset Decorative Overlay: Particleboard complying with ANSI A208.1, Grade M-2, or medium-density fiberboard complying with ANSI A208.2, Grade MD, with surface of thermally fused, melamine-impregnated decorative paper complying with LMA SAT-1.

F. Exposed Cabinet Materials:
   1. Custom paint/stain to match designer's sample.
      a. Unless otherwise indicated, provide a painted/stained finish for exposed surfaces.
      b. Provide a painted/stained finish for doors and drawer fronts and where indicated.

G. Semiexposed Cabinet Materials:
   1. Custom paint/stain to match designer's sample.
      a. Provide painted/stained finish for interior faces of doors and drawer fronts where indicated.

H. Concealed Cabinet Materials:
   1. Wood cabinet and drawer interiors shall be constructed of color-matched melamine. Melamine finishes shall closely match the wood grain or stain color of wood-stained cabinets and the gray finish of P2 painted cabinets. Melamine samples shall be submitted with shop drawings for review.
   2. Plywood: Hardwood plywood. Concealed backs of plywood with exposed or semiexposed faces shall be same species as faces.

I. High Pressure Laminate- (HPL1)
   1. Manufacturer: FORMICA
   2. Style: Fenix
   3. Color: Grigio Londra
   4. Number: J0718
   5. Location: Restroom Vanity Enclosure Panel

J. Wood Trim
   1. Wood Species: Birch
   2. Type: Refer to elevations for sizing
   3. Grade: A
   4. Cut: Plain Sawn
   5. Edge Profile: flat edge at corners
   6. Finish: Painted to match surrounding wall surface

2.03 CABINET HARDWARE AND ACCESSORIES

A. General: Provide cabinet hardware and accessory materials associated with architectural cabinets, except for items specified in Division 8 Section "Door Hardware (Scheduled by Describing Products)." Refer to the drawings for additional hardware components.

B. Hardware Standard: Comply with BHMA A156.9 for items indicated by referencing BHMA numbers or items referenced to this standard.

C. Hinges: Heavy duty concealed european hinges. Doors 48 inches and over in height shall have three (3) hinges per door.

D. Pulls/Hardware: Refer to items HW1-5 in specification 090050.
   1. Hardware alternates listed in 090050 are to be used in case of leed time issues and bid together based on brand.

E. Catches: Roller catches, BHMA A156.9, BO3071.

F. Adjustable Shelf Standards and Supports: BHMA A156.9, B04071; with shelf rests, B04081 or BHMA A156.9, B04102; with shelf brackets, B04112. Shelf standards and supports shall be equal to Knape and Vogt 182 decorative heavy duty bracket and standards.

G. Shelf Rests: BHMA A156.9, B04013.

H. Drawer Slides: Side-mounted, full-extension, zinc-plated steel drawer slides with steel ball bearings, BHMA A156.9, B05091, and rated for the following loads:
1. Box Drawer Slides: 100 lbf (440 N).

I. Countertop Support: Provide countertop supports equivalent to A & M Hardware, Inc. Heavy duty hybrid bracket at vanity.

J. Shelf Supprt: Refer to Specification 090050 for shelf supports (WSU1).

2.04 INSTALLATION MATERIALS

A. Furring, Blocking, Shims, and Hanging Strips

B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide nonferrous-metal or hot-dip galvanized anchors and inserts on inside face of exterior walls and elsewhere as required for corrosion resistance. Provide toothed-steel or lead expansion sleeves for drilled-in-place anchors.

2.05 FABRICATION, GENERAL

A. Interior Woodwork Grade: Provide Custom grade interior woodwork complying with the referenced quality standard.

B. Wood Moisture Content: Comply with requirements of referenced quality standard for wood moisture content in relation to ambient relative humidity during fabrication and in installation areas.

C. Complete fabrication, including assembly, finishing, and hardware application, to maximum extent possible, before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.

D. Shop cut openings, to maximum extent possible, to receive hardware, appliances, plumbing fixtures, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.
1. Seal edges of openings in countertops with a coat of varnish.

E. All wall and base cabinets over 3'-0" in width shall receive a vertical to prevent deflection.

2.06 SIMULATED STONE/QUARTZ SURFACING MATERIAL COUNTERTOPS

A. Quality Standard: Comply with applicable WIC section indicated below:
1. Grade: refer to Specification 090050 for options.

B. Fabrication: Fabricate tops in one piece with shop-applied backsplashes and edges, unless otherwise indicated. Comply with material manufacturer's recommendations for environmentally friendly adhesives, sealers, fabrication, and finishing.
1. Drill holes in countertops for plumbing fittings in the shop.

C. Quartz Surfacing Countertops: Crushed quartz aggregate with resins and pigments fabricated into slabs.
1. Products: Subject to compliance with requirements, provide one of the following:
a. Basis of Design: (SC1) Caesarstone callacatta storm, 3cm, Seacliff Edge
b. See 090050 for Pre- Approved alternates incase of lead time issues. (SC1-B and SC1-C)
c. Available Manufacturers: Other manufacturers proposed which meet the specific standards specified, shall submit actual samples and specifications for review to the Designer/Architect not less than seven (7) days before the bid date.

D. Solid Surface Window Sills
   1. Basis of design: (SS1) Hi-Macs Aurora Frost, 1/4" thick.
   2. Available Manufactuers: Wilson Art, Corian Dupont Polymers, LG Surfaces

2.07 FINISH FOR WOOD CASEWORK & WOOD WALL PANELS

A. Preparation: Sand lumber and plywood for institutional casework construction before assembling. Sand edges of doors and drawer fronts and molded shapes with profile-edge sander. Sand casework after assembling for uniform smoothness at least equivalent to that produced by 220-grit sanding and without machine marks, cross sanding, or other surface blemishes.

B. Wood Colors and Finishes: Match Architect's samples.

C. Painting (Cabinetry & Wood Wall Panels): Factory custom paint finish to match designer's sample.

D. Staining: Remove fibers and dust and apply wash-coat sealer and stain to exposed and semiexposed surfaces as required to provide uniform color and to match approved samples.

E. Finishing Closed-Grain Woods: Apply manufacturer's standard two-coat, baked, clear finish consisting of a thermosetting catalyzed sealer and a thermosetting catalyzed conversion varnish. Sand and wipe clean between applications of sealer and topcoat. Topcoat may be omitted on concealed surfaces.

2.08 INTERIOR ORNAMENTAL WORK FOR TRANSPARENT OR STAIN FINISH

A. Quality Standard: Comply with AWI Section 700.

B. Grade: Custom.

2.09 INTERIOR ORNAMENTAL WORK FOR OPAQUE FINISH

A. Quality Standard: Comply with AWI Section 700.

B. Quality Standard: Comply with WIC Section 11.

C. Wood Species: Any closed-grain hardwood.

PART 3 EXECUTION

3.01 PREPARATION

A. Condition woodwork to average prevailing humidity conditions in installation areas before installation.

3.02 INSTALLATION

A. Quality Standard: Install woodwork to comply with AWI Section 1700 for the same grade specified in Part 2 of this Section for type of woodwork involved.

B. Install woodwork level, plumb, true, and straight. Shim as required with concealed shims. Install level and plumb (including tops) to a tolerance of 1/8 inch in 96 inches.

C. Scribe and cut woodwork to fit adjoining work, and refinish cut surfaces and repair damaged finish at cuts.

D. Reclaimed wood: handle, store and install reclaimed wood according to manufacturer's installation recommendations.

E. Anchor woodwork to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing as required for complete installation. Use fine finishing nails or finishing screws for exposed fastening, countersunk and filled flush with woodwork and matching final finish if transparent finish is indicated.

F. Cabinets: Install without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.
   1. Install cabinets with no more than 1/8 inch in 96-inch sag, bow, or other variation from a straight line.
   2. Fasten wall cabinets through back, near top and bottom, at ends and not more than 16 inches o.c.

G. Countertops: Anchor securely by screwing through corner blocks of base cabinets or other supports into underside of countertop.
   1. Align adjacent solid-surfacing-material countertops and form seams to comply with manufacturer's written recommendations using adhesive in color to match countertop. Carefully dress joints smooth, remove surface scratches, and clean entire surface.
   2. Install countertops with no more than 1/8 inch in 96-inch sag, bow, or other variation from a straight line.
   3. Caulk space between backsplash and wall with clear silicone.

H. Refer to Division 9 Sections for final finishing of installed architectural woodwork.

I. Standing and Running Trim: Install with minimum number of joints possible, using full-length pieces (from maximum length of lumber available) tp greatest extent passible. Do not use pieces less than 60 inches long, except when shorter single-length pieces are necessary. Scarf running joints and stagger in adjacent and related members.
   1. Fill gaps, if any, between top of base and wall with plastic wood filler, and sand smooth, and finish same as wood base if finished.
   2. Install standing and running trim with no more variation from a straight line than 1/8 inch in 96 inches.

J. Paneling: Anchor paneling to supporting substrate with concealed panel-hanger clips. Do not use face fastening, unless covered by trim or otherwise indicated.
   1. Install flush paneling with no more than 1/16 inch in 96-inch vertical cup or bow and 1/8 inch in 96-inch horizontal varification from a true plane.

K. Touch up finishing work specified in this Section after installation of woodwork. Fill nail holes with matching filler where exposed.

3.03 ADJUSTING AND CLEANING

A. Repair damaged and defective woodwork, where possible, to eliminate functional and visual defects; where not possible to repair, replace woodwork. Adjust joinery for uniform appearance.

B. Clean, lubricate, and adjust hardware.

C. Clean woodwork on exposed and semiexposed surfaces. Touch up shop-applied finishes to restore damaged or soiled areas.

END OF SECTION

SECTION 074213 - METAL WALL PANELS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Manufactured metal panels for soffits, with subgirts/z-furring, related flashings and accessory components.

1.02 REFERENCE STANDARDS

A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2015.

B. ASTM A792/A792M - Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process; 2010 (Reapproved 2015).

1.03 DESIGN REQUIREMENTS

A. Maximum Allowable Deflection of Panel: 1/180 of span.

B. Movement: Accommodate movement within system without damage to components or deterioration of seals, movement within system; movement between system and perimeter components when subject to seasonal temperature cycling; dynamic loading and release of loads; and deflection of structural support framing.

C. Drainage: Provide positive drainage to exterior for moisture entering or condensation occurring within panel system.

1.04 SUBMITTALS

A. Product Data: Manufacturer's data sheets on each product to be used, including:
   1. Summary of test results, indicating compliance with specified requirements.
   2. Storage and handling requirements and recommendations.

B. Shop Drawings: Indicate dimensions, layout, joints, construction details, and methods of anchorage.

C. Selection Samples: For each panel system specified, submit color chips representing manufacturer's full range of available colors and patterns. Submit actual samples not photo reproductions.

D. Warranty Information: Submit specified manufacturer's 20 year finish warranty.

1.05 QUALITY ASSURANCE

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

B. Installer Qualifications: Company specializing in performing the work of this section with minimum three years of experience.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Protect panels from accelerated weathering by removing or venting sheet plastic shipping wrap.

B. Store prefinished material off the ground and protected from weather; prevent twisting, bending, or abrasion; provide ventilation; slope metal sheets to ensure proper drainage.

C. Prevent contact with materials that may cause discoloration or staining of products.

1.07 WARRANTY

A. Manufacturer's Warranty: Correct defective work within a 20 year period after Substantial Completion for degradation of panel finish, including color fading caused by exposure to weather.

B. Installer's Warranty: Correct defective Work within a 5 year period after Substantial Completion, including defects in integrity of seals.

C. Finish Warranty: Manufacturer's 20-year finish warranty stating products to be free of corrosion, checking, crazing, chalking, discoloring, fading, oxidation, and that exposed finish surface will not peel, crack, chip, or spall.
   1. Excessive color change/fading greater than 5 NBS (Hunter) units and passing 5000 hrs per ASTM D 2249-85, ASTM D 2244 and ASTM D 822-85 respectively.
   2. Chalking shall not be less than a rating of No. 8 per ASTM D 659 and ASTM D 4214.
   3. Cracking, checking, peeling, or failure of paint to adhere to bare metal.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Subject to compliance with requirements, manufacturers offering the following products that may be incorporated into the work include:

B. Basis of Design: Design concept and the drawings indicate the size, profiles, dimensional requirements and aesthetics of the following:
   1. Panel Type: Mansea Metal: ToughLok 100FW Flush Wall and Soffit Panel

C. Products by other mnaufacturers may be considered provided deviations in dimensions and profiles are minor and do not change the design concept as judged by the Architect.
   1. ATAS International, Inc : www.atas.com.
   2. Berridge: www.berridge.com
   3. Nucor IPG/Centria: www.centria.com
   4. DMI: www.dmimetals.com
   5. Holcim Elevate (formerly Firestone Building Products LLC): www.holcimelevate.com
   6. Innovative Metals Co. : www.imetco.com
   7. Cornerstone Building Brands/MBCI: www.mbci.com
   8. Petersen Aluminum Corporation/A Carlisle Company: www.pac-clad.com.
   9. Mansea Metals: www.manseametal.com

2.02 MANUFACTURED METAL PANELS

A. Wall Panel System: Factory fabricated prefinished metal panel system, site assembled.
   1. Provide Exterior soffit panels and subgirt framing assembly.
   2. Design and size components to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of wall.
   3. Maximum Allowable Deflection of Panel: L/180 for length(L) of span.
   4. Movement: Accommodate movement within system without damage to components or deterioration of seals, movement between system and perimeter components when subject to seasonal temperature cycling; dynamic loading and release of loads; and deflection of structural support framing.
   5. Drainage: Provide positive drainage to exterior for moisture entering or condensation occurring within panel system.
   6. Fabrication: Formed true to shape, accurate in size, square, and free from distortion or defects; pieces of longest practical lengths.

B. Trim: Same material, thickness and finish as exterior sheets; brake formed to required profiles.

C. Anchors: Galvanized steel.

D. Metal panels shall be fabricated from zinc coated steel conforming to ASTM A 653 SQ, Grade 37, G90 coating.

E. All exterior flashing and trim shall be fabricated in the same material, gauge, finish and color as the exterior profile, unless otherwise indicated.

F. Hat channels, subgirts and/or Z-furring shall be fabricated from minimum 16 gauge zinc coated steel conforming to ASTM A 653 SQ, Grade 37, G90 coating. Depth as indicated on the drawings. On-center spacing per requirements of metal wall panel manufacturer.
1. Manufacturers: Subject to compliance with requirements manufacturers offering the following products that may be incorporated into the work include, but are not limited to the following;
a. Metal Subgirts and Z-Furring:
1) ClarkDietrich: www.clarkdietrich.com
2) Flexospan Steel Buildings, Inc.: www.flexospan.com
3) Johnson Brothers Metal Forming Co.: www.johnsonrollforming.com
4) J. N. Linrose Manufacturing LLC: www.jnlinrose.com
5) Telling Industries, LLC: www.tellingindustries.com.
6) Monarch Metal, Inc.: www.monarchmetal.com

2.03 SOFFIT PANELS

A. Preformed Metal Soffit Panels: Pre-finished, galvanized 24 gage.
1. Seams: Double-interlocked, tight-fitting.
2. Panels to have concealed fasteners.
3. Profile to be flush, 12" wide.
4. Panel Texture: Smooth.
5. Panels to be non-vented.

2.04 MATERIALS AND FINISHES: PANEL, TRIM AND VISIBLE ACCESSORIES

A. Precoated Steel Sheet: Hot-dipped galvanized steel sheet, ASTM A653/A653M, Structural Steel (SS) or Forming Steel (FS), with G90/Z275 coating; continuous coil-coated on exposed surfaces with specified finish coating and on panel back with specified panel back coating.

B. Fluoropolymer Coil Coating System: Polyvinylidene fluoride (PVDF) multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent PVDF resin, and at least 80 percent of coil coated metal surfaces having minimum total dry film thickness (DFT) of 0.9 mil, 0.0009 inch; color as selected by Architect from manufacturer's standard colors.

C. Panel Back Coating: Panel manufacturer's standard polyester wash coat.

2.05 ACCESSORIES

A. Sealants:
1. Exposed Sealant: Elastomeric; silicone, polyurethane, or silyl-terminated polyether/polyurethane.
2. Concealed Sealant: Non-curing butyl sealant or tape sealant.

2.06 FABRICATION

A. Form sections true to shape, accurate in size, square, and free from distortion or defects.

B. Form pieces in longest practicable lengths.

C. Form panels for flush seams.

D. Panels: Provide factory fabricated panels and accessory items, using manufacturer's standard processes as required to achieve specified appearance and performance requirements.

1. Panels to be manufactured on a fixed base, multi-station roll former with a minimum of 26 stations.
2. Coil to be tension leveled prior to being received by the panel manufacturer.
3. Metal coil to be tension leveled by the panel manufacturer prior to the start of panel fabrication.

E. Joints: Provide captive gaskets, sealants, or separator strips at panel joints to ensure weathertight seals, eliminate metal-to-metal contact, and minimize noise from panel movements.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that building framing members are ready to receive panels.

3.02 INSTALLATION

A. Install panels on soffits in accordance with manufacturer's instructions.

B. Protect surfaces in contact with dissimilar metals with bituminous paint. Allow to dry prior to installation.

C. Fasten panels to structural supports; aligned, level, and plumb.

D. Locate joints over supports.

E. Provide expansion joints where indicated.

F. Use concealed fasteners unless otherwise approved by Architect.

G. Seal and place gaskets to prevent weather penetration. Maintain neat appearance.

3.03 TOLERANCES

A. Maximum Offset From True Alignment Between Adjacent Members Butting or In Line: 1/16 inch.

B. Maximum Variation from Plane or Location Indicated on Drawings: 1/4 inch.

3.04 CLEANING

A. Remove site cuttings from finish surfaces.

B. Remove protective material from wall panel surfaces.

C. Clean and wash prefinished surfaces with mild soap and water; rinse with clean water.

END OF SECTION 074213

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Commercial door hardware for the following swinging doors:
   a. Hollow metal.
   b. Flush wood.

B. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.

1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
2. ICC/IBC - International Building Code.
3. NFPA 70 - National Electrical Code.
4. NFPA 80 - Fire Doors and Windows.
5. NFPA 101 - Life Safety Code.
6. NFPA 105 - Installation of Smoke Door Assemblies.
7. KENTUCKY BUILDING CODE.

C. Related Sections include the following:

1. Division 08 Section "Hollow Metal Doors and Frames" for astragals provided as part of fire-rated labeled assemblies and for door silencers provided as part of hollow-metal frames.

1.2 ALLOWANCE

A. Amount: Include an Allowance of $800.00 in this contract for Door Hardware Inspection Services.

B. Door Hardware Inspection Services

1. Scope
   a. Inspection of all swinging doors and door hardware immediately following installation.
   b. Inspector to furnish a report, itemized per each individual opening, to the Architect within 7 days of the inspection, including:
      1) deficiencies in workmanship and standard industry practices,
      2) use of allowable products,
      3) use of manufacturer recommended fasteners,
      4) compliance with the ADA,
      5) proper door/frame/hardware clearances,
      6) problems related to function, security, aesthetics or maintenance.
   c. Follow-up re-inspections until work is complete and correct are required but are not included in this allowance and would be at additional cost to the Contractor.
2. Inspector Qualifications
      1) Certified Architectural Hardware Consultant.
      2) Full-time employed (40 hours per week minimum) in the writing of door hardware specifications and field inspections.
      3) Entirely independent of the supply side of the project, having no financial relationship with any manufacturer, manufacturer’s representative, distributor, installer or supplier used on this project.

4) Full member in good standing of Specification Consultants in Independent Practice (SCIP).
5) Approved by Architect. Go to http://www.dhi.org/ for searchable list of Architectural Hardware Consultants.

C. Payment Terms

1. Payment is to be made directly to the Inspector by the Contractor within 30 days of date of Inspector's invoice (Inspector to send copy of invoice to Architect).

1.3 SUBMITTALS

A. Number of Submittals: All items listed in this section are to be included in one submittal prepared by one Supplier.

B. Product Data: Include construction and installation details, material descriptions, dimensions of individual components and profiles, and finishes.

C. Samples for Initial Selection: For each finish, color, and texture required for each type of door hardware as requested by Architect.

D. Samples for Verification: For exposed door hardware of each type, in specified finish, full size, as requested by Architect. Tag with full description for coordination with the door hardware sets. Submit Samples before, or concurrent with, submission of the final door hardware sets.

1. Samples will be returned to Contractor. Units that are acceptable and remain undamaged through submittal, review, and field comparison process may, after final check of operation, be incorporated into the Work, within limitations of keying requirements.

E. Qualification Data:

1. Finish Hardware Installers
   a. Finish hardware, including electrified hardware, for wood, hollow metal, and aluminum doors to be installed by personnel trained and certified by the manufacturer of the product furnished.
   b. Provide manufacturer's certificates for installer as part of Contractor's bid information. Failure to supply certificates may result in rejection of bid.
2. Hardware Supplier
   a. Established contract hardware firm which maintains and operates an office, display, and stock in project area and which is a factory authorized distributor of the lock being furnished.
   b. Hardware scheduled and furnished by or under direct supervision an Architectural Hardware Consultant.
   c. All schedules submitted to the Architect for approval and job use must carry the signature and certified seal of this Architectural Hardware Consultant.
3. Architectural Hardware Consultant
   a. Currently certified by the Door and Hardware Institute.
   b. Full-time employee of the Hardware Supplier or an individual having no contractual ties to any supplier/manufacturer entity.
   c. Available at reasonable times to Architect, Owner, and Contractor during course of work.

F. Maintenance Data: For each type of door hardware. Include final hardware schedule, keying schedule, riser diagrams, and point-to-point wiring diagrams in 3-ring binder, labeled on spine with project name and "Door Hardware".

1. contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of installers

G. Warranty: Special warranty specified in this Section.

H. Other Action Submittals:

1. Door Hardware Sets: Prepared by or under the supervision of a DHI certified Architectural Hardware Consultant, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final door hardware sets with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

a. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule"; other formats will be rejected without review. Double space entries, and number and date each page.

b. Numerical Sequence of Sets and Headings: Submittal headings shall be in exact order as hardware sets in specification: one heading only per set. Submittal set numbers shall relate to specification set numbers, ie. if three headings are required for Set 12 due to door width differences, then the heading numbers should be 12.1, 12.2, and 12.3 or employing similar linking logic.

c. Door Numbers: Identical to those used in the contract documents.

d. Number of Copies: (5).

e. Content: Include the following information:

1) Identification number, location, hand, fire rating, and material of each door and frame.
2) Type, style, function, size, quantity, and finish of each door hardware item.
3) Complete designations of every item required for each door or opening including name and manufacturer.
4) Degree of opening for closer and overhead stop and holder installation.
5) Keying information.
6) Fastenings and other pertinent information.
7) Location of each door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
8) Explanation of abbreviations, symbols, and codes contained in schedule.
9) Mounting locations for door hardware.
10) Notes included with specification hardware sets <u>transcribed verbatim</u> into submittal hardware sets.
11) Door and frame sizes and materials.
12) Description of each electrified door hardware function, including location, sequence of operation, and interface with other building control systems.
    a) Sequence of Operation: Include description of component functions that occur in the following situations: authorized person wants to enter; authorized person wants to exit; unauthorized person wants to enter; unauthorized person wants to exit.
13) List of related door devices specified in other Sections for each door and frame.

f. Submittal Sequence: Submit the final door hardware sets at earliest possible date, particularly where approval of the door hardware sets must precede fabrication of other work that is critical in Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the door hardware sets.

2. Keying Schedule: Prepared by or under the supervision of Architectural Hardware Consultant, detailing Owner's final keying instructions for locks. Include schematic keying diagram and index each key set to unique door designations.

1.4 QUALITY ASSURANCE

A. Furnish proper hardware types and quantities for door function, hardware mounting and clearances, and to meet applicable codes. Bring discrepancies to the attention of the Architect a minimum of (10) days prior to bid date so that an addendum may be issued. No additional compensation will be allowed after bidding for hardware changes required for proper function, hardware mounting or clearances, or to meet codes.

B. Engineering Responsibility: Preparation of data for electrified door hardware, including Shop Drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this Project.

C. Source Limitations: **All items listed in hardware sets are to be furnished by one supplier**. Obtain each type and variety of door hardware from a single manufacturer, unless otherwise indicated.

1. Provide electrified door hardware from same manufacturer as mechanical door hardware, unless otherwise indicated. Manufacturers that perform electrical modifications and that are listed by a testing and inspecting agency acceptable to authorities having jurisdiction are acceptable.

D. Regulatory Requirements: Comply with NFPA 70, NFPA 80, NFPA 101 and ANSI A117.1 requirements and guidelines as directed in the model building code including, but not limited to, the following:

1. NFPA 70 "National Electrical Code", including electrical components, devices, and accessories listed and labeled as defined in Article 100 by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
2. Where indicated to comply with accessibility requirements, comply with Americans with Disabilities Act (ADA), "Accessibility Guidelines for Buildings and Facilities (ADAAG)," ANSI A117.1 as follows:
    a. Handles, Pulls, Latches, Locks, and other Operating Devices: Shape that is easy to grasp with one hand and does not require tight grasping, tight pinching, or twisting of the wrist.
    b. Door Closers: Comply with the following maximum opening-force requirements indicated:
        1) Interior Hinged Doors: 5 lbf applied perpendicular to door.
        2) Fire Doors: Minimum opening force allowable by authorities having jurisdiction.
    c. Thresholds: Not more than 1/2 inch high. Bevel raised thresholds with a slope of not more than 1:2.
3. NFPA 101: Comply with the following for means of egress doors:
    a. Latches, Locks, and Exit Devices: Not more than 15 lbf to release the latch. Locks shall not require the use of a key, tool, or special knowledge for operation.
    b. Thresholds: Not more than 1/2 inch high.

E. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), Systems Integrator(s), and Contractor(s) to review proper methods and procedures for receiving, handling, and installing door and access control hardware to manufacturer's recommendations and according to specifications.

1. Prior to installation of door hardware, arrange for manufacturers' representatives to hold a project specific training meeting on the proper installation and adjustment of their respective products. Product training to be attended by the installers of standard and access control door hardware for the aluminum, hollow metal and wood door sections. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
3. Review sequence of operation narratives for each unique access controlled opening.

4. Review and finalize construction schedule and verify availability of materials.
5. Review the required inspecting, testing, commissioning, and demonstration procedures.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for door hardware delivered to Project site.

B. Deliver hardware for aluminum doors to GC in timely manner so as not to delay fabrication of aluminum doors and frames. Balance of hardware may be delivered to GC at same time, packaged separately from aluminum door hardware, and may be billed as stored materials.

C. Tag each item or package separately with identification related to the final door hardware sets, and include basic installation instructions, templates, and necessary fasteners with each item or package.

1.6 COORDINATION

A. Templates: Distribute door hardware templates for doors, frames, and other work specified to be factory prepared for installing door hardware. Distribute templates in a timely manner so as not to delay suppliers. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

B. and coordinate installation of door hardware to suit opening conditions and to provide for proper operation.

1.7 WARRANTY

A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:

1. Structural failures including excessive deflection, cracking, or breakage.
2. Faulty operation of the hardware.
3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
4. Electrical component defects and failures within the systems operation.

C. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.

D. Special Warranty Periods:

1. Ten years for mortise locks and latches.
2. Seven years for heavy duty cylindrical (bored) locks and latches.
3. Ten years for manual door closers.

1.8 MAINTENANCE SERVICE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

B. Maintenance Service: Beginning at Substantial Completion, provide (6) months' full maintenance by skilled employees of door hardware Installer. Include quarterly preventive maintenance, repair or replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper door hardware operation. Provide parts and supplies same as those used in the manufacture and installation of original products.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. General: Provide door hardware for each door to comply with requirements in this and door hardware sets indicated in Part 3 "Door Hardware Sets" Article.

1. Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and named manufacturers' products.

B. Designations: Requirements for design, grade, function, material, finish, size and other distinctive qualities of each type of door hardware are indicated in Part 3 "Door Hardware Schedule" Article. Products are identified by using door hardware designations, as follows:

1. Named Manufacturers' Products: Manufacturer and product designation are listed for each door hardware type required for the purpose of establishing minimum requirements. Manufacturers' names are abbreviated in Part 3 "Door Hardware Schedule" Article.
2. References to BHMA Standards: In addition to other requirements in this section, provide products complying with or exceeding these standards and requirements for description, quality, and function.

C. Substitutions: Requests for substitution and product approval for inclusive mechanical and electrified access control door hardware, in compliance with specifications, must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01 "Substitution Procedures". Approval of requests is at the discretion of the architect, owner, and their designated consultants.

D. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:

1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include manufacturers specified.

2.2 BUTT HINGES, GENERAL

A. Quantity: Provide the following, unless otherwise indicated:

1. Two Hinges: For doors with heights up to 60 inches (1524 mm).
2. Three Hinges: For doors with heights 61 to 90 inches (1549 to 2286 mm).
3. Four Hinges: For doors with heights 91 to 120 inches (2311 to 3048 mm).
4. For doors with heights more than 120 inches (3048 mm), provide 4 hinges, plus 1 hinge for every 30 inches (750 mm) of door height greater than 120 inches (3048 mm).

B. Template Requirements: Except for hinges and pivots to be installed entirely (both leaves) into wood doors and frames, provide only template-produced units.

C. Hinge Height, Width, and Weight: Unless otherwise indicated, provide the following:

1. Doors with Exit Devices or 3’6” or more in width: 5” high, heavy-weight hinges.
2. Doors less than 3’6” in width: 4-1/2” high, standard-weight hinges.
3. Width: 4-1/2” heavy-weight, 4" standard-weight, unless proper clearance requires a different width.
4. Doors with Closers: Antifriction-bearing hinges.

D. Hinge Base Metal: Unless otherwise indicated, provide the following:

1. Exterior and in-swinging restroom door hinges: Stainless steel, with stainless-steel pin.
2. Balance of hinges: Steel, with steel pin.

E. Hinge Options: Provide the following:

1. Nonremovable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for reverse bevel lockable doors.
2. Corners: Square.
3. Number of knuckles: Five.

F. Fasteners: Comply with the following:

1. Machine Screws: For metal doors and frames. Install into drilled and tapped holes.
2. Wood Screws: For wood doors and frames.
3. Threaded-to-the-Head Wood Screws: For fire-rated wood doors.
4. Screws: Phillips flat-head. Finish screw heads to match surface of hinges.

G. Template Hinge Dimensions: BHMA A156.7.

H. Available Manufacturers:

1. Hager Companies (HAG).
2. McKinney Products Company; an ASSA ABLOY Group company (MCK).
3. Stanley Commercial Hardware; Div. of The Stanley Works (STA).
4. PBB, Inc. (PBB)

2.3 LOCKS AND LATCHES, GENERAL

A. Accessibility Requirements: Where indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)."

1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf (22 N).

B. Latches and Locks for Means of Egress Doors: Comply with NFPA 101. Latches shall not require more than 15 lbf (67 N) to release the latch. Locks shall not require use of a key, tool, or special knowledge for operation.

C. Lock Trim:

1. Levers: Cast.
   Schlage 06 model.
2. Roses: Forged.
   a. Schlage A model.
3. Lockset Designs: Provide design indicated in hardware sets, or, if sets are provided by another manufacturer, provide designs that match those designated.

D. Lock Throw: Comply with testing requirements for length of bolts required for labeled fire doors, and as follows:

1. Mortise Locks: Minimum 3/4-inch (19-mm) latchbolt throw.

E. Backset: 2-3/4 inches (70 mm), unless otherwise indicated.

F. Strikes: Manufacturer's standard strike with strike box for each latchbolt or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, and as follows:

1. Strikes for Mortise Locks and Latches: BHMA A156.13.

2.4 MECHANICAL LOCKS AND LATCHES

A. Lock Types: Provide mortise or bored locks as indicated by model number in the Hardware Schedule.

B. Lock Functions: Function numbers and descriptions indicated in door hardware sets comply with the following:

1. Bored Locks: BHMA A156.2.
2. Mortise Locks: BHMA A156.13.

C. Bored Locks: BHMA A156.2 Grade 1.

1. Available Manufacturers:

a. Best Access Systems; Div. of The Stanley Works (BAS).
b. Corbin Russwin Architectural Hardware; an ASSA ABLOY Group company (C-R).
c. SARGENT Manufacturing Company; an ASSA ABLOY Group company (SAR).
d. Schlage Commercial Lock Division; an Allegion Company (SCH).
e. Yale Commercial Locks and Hardware; an ASSA ABLOY Group company (YAL).

D. Mortise Locks: Stamped steel case with steel or brass parts; BHMA A156.13 Grade 1.

1. Available Manufacturers:

a. Best Access Systems; Div. of The Stanley Works (BAS).
b. Corbin Russwin Architectural Hardware; an ASSA ABLOY Group company (C-R).
c. SARGENT Manufacturing Company; an ASSA ABLOY Group company (SAR).
d. Schlage Commercial Lock Division; an Allegion Company (SCH).
e. Yale Commercial Locks and Hardware; an ASSA ABLOY Group company (YAL).

2.5 PROTECTIVE TRIM UNITS

A. Size:
1. Width
a. Singles, and pairs with removable mullions or surface applied astragals: 2 inches (38 mm) less than door width on push side and 1 inch (13 mm) less than door width on pull side
b. Other pairs: 1 inch (13 mm) less than door width
2. Height: as specified in door hardware sets; or, if constrained by door bottom rail height, 1" less bottom rail height.

B. Fasteners: Manufacturer's machine or self-tapping countersunk screws.

C. Metal Protective Trim Units: BHMA A156.6; beveled 4 sides; fabricated from 0.050-inch- (1.3-mm-) thick stainless steel.

D. Available Manufacturers:

1. Hager Companies (HAG).
2. IVES Hardware; an Allegion Company (IVE).
3. Hiawatha (HIW).
4. Burns (BRN).
5. Rockwood Manufacturing Company (ROC).
6. Trimco (TRI).

2.6 MECHANICAL WALL AND FLOOR STOPS AND HOLDERS

A. Stops and Bumpers: BHMA A156.16, Grade 1.

1. Provide wall stops for doors unless floor, overhead, or other type stops are scheduled or indicated. Do not mount floor stops where they will impede traffic. Provide floor stops (and spacers if needed) of proper height and configuration to accommodate floor condition. Where floor or wall stops are not appropriate, provide overhead holders.
2. Properties. Cast construction with fastener suitable for wall or floor condition.
3. Available Manufacturers:
   a. Hager Companies (HAG).
   b. IVES Hardware; an Allegion Company (IVE).
   c. Hiawatha (HIW).
   d. Burns (BRN).
   e. Rockwood Manufacturing Company (ROC).
   f. Trimco (TRI).

B. Wall and Floor mounted Combination Door Stops and Holders: BHMA A156.16, Grade 1.

1. Properties: Heavy cast with adjustable holding force, self-compensating for changes up to ¼" in vertical door position. **Provide flush spacers finished to match adjoining substrates for clearance as needed.**
2. Manufacturer and Model: Trimco 1283.

2.7 SILENCERS

A. Provide silencers for Metal Door Frames, even though they are not listed in the hardware sets: BHMA A156.16, Grade 1; neoprene or rubber, minimum diameter 1/2 inch (13 mm); fabricated for drilled-in application to frame.

B. Available Manufacturers:

1. Glynn-Johnson; an Allegion Company (GLY).
2. Hager Companies (HAG).
3. IVES Hardware; an Allegion Company (IVE).
4. McKinney Products Company; an ASSA ABLOY Group company (MCK).
5. Rockwood Manufacturing Company (ROC).
6. Trimco (TRI).

2.8 DOOR GASKETING

A. General: Provide continuous weather-strip gasketing on exterior hollow metal doors and provide smoke, light, or sound gasketing on interior doors where indicated or scheduled. Provide noncorrosive fasteners as indicated by models in hardware sets.

1. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame. If hardware is to be attached to the frame and would interfere with the gasketing, then provide hardware compatible gasketing that does not need to be cut for the mounting of hardware.
2. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
3. Mullion Gasketing: Fasten to mullions, forming seal when doors are closed.
4. Sweeps: Apply to bottom of in-swinging exterior hollow metal doors, or as required for sound attenuation, forming seal with threshold or floor when door is closed.
5. Seals integral to threshold at out-swinging exterior hollow metal doors.

B. Requirements per type of rated door provided (these requirements supersede models indicated in hardware sets):

1. Category A wood doors: provide models indicated in hardware sets.
2. Category B wood doors: provide Category G&H seals at jambs and meeting edges. If Category H seals are indicated in hardware sets, provide Cat G seals in addition to the Category H seals.
3. Category A and B hollow metal doors: provide models indicated in hardware sets.

C. Air Leakage: Not to exceed 0.50 cfm per foot (0.000774 cu. m/s per m) of crack length for gasketing other than for smoke control, as tested according to ASTM E 283.

D. Smoke-Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke-control ratings indicated, based on testing according to UL 1784.

1. Provide smoke-labeled gasketing on 20-minute-rated doors and on smoke-labeled doors.

E. Fire-Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 252 or UBC Standard 7-2.

1. Test Pressure: After 5 minutes into the test, neutral pressure level in furnace shall be established at 40 inches (1016 mm) or less above the sill.

F. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated, based on testing according to ASTM E 1408.

G. Mullion Gasketing: Sealing up to 1/4" gaps, 4 vanes, adhesive backed, collapsible to 1/32", black. Basis of Design: DHSI (DHS) Model MS-SA/75 x BK.

H. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.

I. Jamb Gasketing Materials:
1. Adhesive Seals. As specified in hardware sets or approved equal.
2. Intumescents: As required.
3. Screwed-on weatherstrip and sweeps. Neoprene.
4. Panic type thresholds. Neoprene.

J. Available Manufacturers for Jamb Gaskets (provided they provide items with neoprene inserts):

1. Hager Companies (HAG).
2. National Guard Products (NGP).
3. Pemko Manufacturing Co. (PEM).
4. Reese Enterprises (REE).
5. Zero International (ZER).
6. Legacy Manufacturing (LEG).

2.9 THRESHOLDS

A. Standard: BHMA A156.21

B. Accessibility Requirements: Where thresholds are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)."

1. Bevel raised thresholds with a slope of not more than 1:2. Provide thresholds not more than 1/2 inch (13 mm) high.

C. Thresholds for Means of Egress Doors: Comply with NFPA 101. Maximum 1/2 inch (13 mm) high.

D. Fasteners: ¼-20 machine screws and expansion anchors.

E. Gasketing material: At panic-type thresholds: neoprene.

F. Available Manufacturers (provided they provide items with neoprene inserts):

1. Hager Companies (HAG).
2. National Guard Products (NGP).
3. Pemko Manufacturing Co. (PEM).
4. Reese Enterprises (RE).
5. Zero International (ZRO).
6. Legacy Manufacturing (LEG).

2.10 FABRICATION

A. Manufacturer's Nameplate: Do not provide products that have manufacturer's name or trade name displayed in a visible location except in conjunction with required fire-rated labels and as otherwise approved by Architect.

1. Manufacturer's identification is permitted on rim of lock cylinders only.

B. Base Metals: Produce door hardware units of base metal, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness. Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18. Do not furnish manufacturer's standard materials or forming methods if different from specified standard.

C. Fasteners: Manufacturer’s standard, except as noted in product sections of this specification. Provide Rivnuts for the fastening of surface-mounted items to existing door frames.

2.11 FINISHES

A. Standard: BHMA A156.18, as indicated in door hardware sets.

B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.

B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Steel Doors and Frames: Comply with DHI A115 Series.

1. Surface-Applied Door Hardware: Drill and tap doors and frames according to ANSI A250.6.

B. Wood Doors: Comply with DHI A115-W Series.

3.3 INSTALLATION

A. Mounting Heights: Mount door hardware units at heights indicated as follows unless otherwise indicated or required to comply with governing regulations.

1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
2. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."

B. Mounting Locations:

1. Floor Stops and Holders: Locate at least 20" out from hinge edge of door for maximum degree of opening before door encounters obstruction.
2. Wall Stops: Locate so that lockset spindle and wall stop share horizontal and vertical centerlines.
3. Wall Stop/Holders: Locate 4" down and in from top lock-edge corner of door w/holder slot at bottom of unit.
4. **Closers and Overhead Stop/Holders: Template and mount closers and overhead stops for maximum degree of opening before door encounters obstruction or so as to interface with specified wall stops and holders. When used with closers, template and locate overhead stops**

so that closer arm does not fully extend and bottom out. These functionality requirements override any degree of opening information in the specifications or submittals.

C. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 09 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

1. Set units level, plumb, and true to line and location. Adjust and reinforce attachment substrates as necessary for proper installation and operation.
2. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

D. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule. Document cross-indexing per manufacturer's instructions.

E. Boxed Power Supplies: Locate power supplies as directed by Architect.

F. Weatherstrip and Gasketing with Metal Retainers: Fit up as needed for neat appearance with no gaps between retainers or bulbs.

G. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants." **Position for complete seal with bottom of doors with no penetration of air or daylight.**

3.4 FIELD QUALITY CONTROL

A. Provide Door Hardware Inspection Services and Field Quality Report as indicated below.

B. Door Hardware Inspection Services

1. Scope
   a. Inspection of all swinging doors and door hardware immediately following completion of installation.
   b. Inspector to furnish a Field Quality Report, itemized per each individual opening, to the Architect within 7 days of the inspection, including:
      1) deficiencies in workmanship and standard industry practices,
      2) use of allowable products,
      3) use of manufacturer recommended fasteners,
      4) compliance with the ADA,
      5) proper door/frame/hardware clearances,
      6) problems related to function, security, aesthetics or maintenance.
2. Inspector Qualifications
      1) Certified Architectural Hardware Consultant.
      2) Entirely independent of the supply side of the project, having no familial or financial relationship with any manufacturer, manufacturer's representative, distributor, installer or supplier used on this project.
      3) Approved by Architect. Go to http://www.dhi.org/ for searchable list of local Architectural Hardware Consultants.
      4) Full member in good standing of Specification Consultants in Independent Practice (SCIP).
      5) Same Inspector for re-inspections as for the initial inspection.

3. Payment for the inspection and subsequent re-inspections until work is complete and approved is to be made directly by the Contractor to the Inspector within 30 days of receipt of report and invoice.

3.5 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

B. Overhead Stops/Holders: Set adjustable stops for maximum degree of opening before door encounters obstruction. Adjust friction to control door.

C. Wall and Floor Mounted Stop/Holders: Adjust holding force with spanner head wrench so that door is held securely, yet is easy to pull out of hold open.

D. Door Closers:

1. Unless otherwise required by authorities having jurisdiction, adjust sweep period so that, from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches (75 mm) from the latch, measured to the leading edge of the door.
2. Adjust latch period so that door does not slam nor injure fingers.
3. **Adjust spring power for minimum force required so that door properly and reliably latches. It is recommended that all closers be adjusted to a Spring Size 1 (either at the factory or at the facility of the Contract Hardware Supplier) prior to delivery to job; they can then be adjusted up to meet requirements. ADA maximum force to open a non-rated interior doors is 5 lbf; 8.5lbf for an exterior non-rated door. Installer is required to adjust spring power on every closer during installation using a door force gage. If ADA requirements cannot be met due to door-frame-hardware clearance issues of HVAC issues, bring to Contractors attention to resolve problem.**
4. Adjust backcheck to slow door down before hitting stop point so as to prevent damage to closer, arm, door, frame, and fasteners.

E. Occupancy Adjustment: Approximately six months after date of Substantial Completion, Installer shall examine and readjust, including adjusting operating forces, each item of door hardware as necessary to ensure function of doors, door hardware, and electrified door hardware.

3.6 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

B. Clean operating items as necessary to restore proper function and finish.

C. Provide final protection and maintain conditions that ensure that door hardware is without damage or deterioration at time of Substantial Completion.

3.7 DOOR HARDWARE SCHEDULE

HARDWARE SET PREFIX KEY:
R Retrofit work required.
No prefix indicates mechanical hardware only.

Hardware Set R01 – Entry Door

(3)	Butt Hinges	BB1279 4.5 x 4.0	652	HAG
(1)	Office Lock	L9050-06A	626	SCH
(1)	Closer, Regular Arm	4040XP Reg	689	LCN
(1)	Kick Plate	KO050 10 x 2LDW x CS x B4E	630	TRI
(1)	Wall Stop/Holder Shim	Z900.0 Shim for 1283-6S x 1"	628	TRI
	Note: Install in inverted U position with 6” of top lock corner of door.			
(1)	Cat H Jamb Seal Set	5924	628	LEG
(1)	Panic Threshold	356MA x RCE	628	LEG

Note 1: 3/8” door undercut required for proper mating of door bottom with seal integral to threshold.

Retrofit note:

Reuse existing mortise cylinder and install in new lockset.

Hardware Set 01 – Restroom Door

(3)	Butt Hinges	BB1279 4.5 x 4.0	652	HAG
(1)	Privacy Set	ND40S	626	SCH
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Overhead Stop, HD, Surface	900S	630	GLY

3.8 DOOR TO HARDWARE SET NUMBERING INDEX

Door	HW Set
Entry Door	R01
Restroom Door	01

END OF SECTION 087100

SPEC			COLOR SCHEDULE - FINISH LEGEND		
NOTE: GREYED OUT BOXES ARE PREAPPROVED ALTERNATES INCASE THERE ARE LEED TIME ISSUES					
SECTION	KEY	FINISH			DESCRIPTION
55213	WR1	WELDED RAILING	MFR.:		TBD
			COLOR:		PAINTED P2
			THICKNESS:		1-1/4"
			LOCATION:		SUITES
64100	SC1 -A	SIMULATED STONE	MFR.:		CAESARSTONE
	B.O.D.	COUNTER TOPS AND	COLOR:		CALACATTA STILLSTORM
		BACK SPLASH	THICKNESS:		3 CM
			EDGE PROFILE:		EASED
			LOCATION:		KITCHEN, RESTROOM
	SC1-B	SIMULATED STONE	MFR.:		CAMBRIA
	ALT OPTION 1	COUNTER TOPS AND	COLOR:		INVERNESS BLAKELEY
		BACK SPLASH	THICKNESS:		3 CM
			EDGE PROFILE:		SEACLIFF EDGE (Z)
			LOCATION:		SUITE, RESTROOM
	SC1-C	SIMULATED STONE	MFR.:		WILSONART
	ALT OPTION 2	COUNTER TOPS AND	COLOR:		CALACATTA OLYMPOS
		BACK SPLASH	THICKNESS:		3 CM
			EDGE PROFILE:		EASED EDGE
			LOCATION:		KITCHEN, RESTROOM
	SS1	SOLID SURFACE	MFR:		HI-MACS
		WINDOW SILL	COLOR:		AURORA FROST
			NUMBER:		M702
			LOCATION;		WINDOW SILLS
			NOTE;		1/4" THICK BUILT UP WITH PLYWOOD SEE DRAWINGS
	WD1	RECLAIMED WOOD	BASIS OF DESIGN:		LONGWOOD ANTIQUE WOODS
			PRODUCT:		THOUROUGH BREAD OAK
			THICKNESS:		3/4"
			WIDTH:		VARIES 4- 4.5"
			LENGTH:		VARIES 3-6'
			STAIN:		TBD EQUAL TO MINWAX
			NOTE:	1	WOOD TRIM IN BATH ROOM TO BE 2" TALL 1/2" THICK
				2	RECLAIMED WOOD PLANKS SHALL BE GLUED TOGETHER/LAMINATED INTO PREFABRICATED PANELS FOR THE ISLAND CLADDING, RESTROOM VANITY CLADDING AND WOOD WALL TREATMENT; THESE FABRICATED BOARDS WILL BE MADE UTILIZING WHITE OAK AND SHALL HAVE A CONSISTENT, SMOOTH, MONLITHIC APPEARANCE FROM BOARD TO BOARD FOR A MORE REFINED LOOK; THE SIZE OF THE PLANKS CAN VARY FROM 4"-4.5"
				3	WOOD IS TO BE THIN NAILED AND ADHERED TO PLYWOOD ON METAL STUDS TO CREATE THE FAUX WOOD BEAMS
			REP CONTACT:		KAYLA LENIHAN kayla@longwoodantiquewoods.com
	WD2	PAINTED WOOD CABINETRY	DOOR STYLE:		TO BE EQUAL TO WALTZCRAFT NEXUS 1 1/2" TRIM
			NUMBER:		NP414
			MATERIAL:		RAW MDF FOR PAINTED PRODUCTS
			FINISH:		CUSTOM FINISH: PAINTED TO MATCH P2
			SHEEN:		SATIN
			LOCATION:		SUITE
	WD3	STAINED WOOD CABINETRY	DOOR STYLE:		TO BE EQUAL TO WALTZCRAFT NEXUS 1 1/2" TRIM
			NUMBER:		NP414
			MATERIAL:		WOOD/ WOOD- VENEER

SPEC			COLOR SCHEDULE - FINISH LEGEND		
NOTE: GREYED OUT BOXES ARE PREAPPROVED ALTERNATES INCASE THERE ARE LEED TIME ISSUES					
SECTION	KEY	FINISH			DESCRIPTION
			FINISH:		CUSTOM FINISH: STAINED TO MATCH RECLAIMED WOOD
			LOCATION:		KITCHEN ISLAND
	WSU1	WALL HUNG SHELVING UNIT	MFR:		KEGWORKS
			STYLE:		ROD AND JOINT
			FINISH:		BRASS HARDWARE AND SHALVING
			SIZE:		4'6" LENGTH, 10" DEPTH
			LOCATION:		SUITES
			REP:		TOM GIORDANO
					tgiordano@kegworks.com
	WDB1	PAINTED WOOD BASE	PROFILE:		TO MATCH EXISTING
			FINISH:		PAINTED P2
			LOCATION:		SUITES WHERE NEW BASE MIGHT BE NEEDED
	WTR1	PAINTED WOOD TRIM	SIZE:		3/4" THICK, AND FIELD VERIFY LENGTH TO FIT ACROSS ENTIRE DOOR OPENING.
			FINISH:		PAINTED P1
			LOCATION:		GYP WALL OPENING IN SUITES SU309W AND SU308W
			NOTE:		TO BE UNSED INCONJUCTION WITH FRYREGLET Z REVEAL
	WP1	WOOD WALL PANELING	PRODUCT:		CUSTOM WOOD WALL PANELING
			FINISH:		CUSTOM FINISH: PAINTED P2
			STYLE:		1 1/2" STILES AND RAILS
			SPECIES:		POPLAR
			THICKNESS;		3/4"
	HW1-A	CABINETRY HARDWARE	MFR:		PLANK HARDWARE
	B.O.D.		STYLE:		KEPLER KNURLED SINGLE T PULL
			FINISH:		BRASS
			SIZE:		SINGLE T PULL
			LOCATION:		KITCHEN SUITE
	HW1-B	CABINETRY HARDWARE	MFR:		FERGUSON HOME
	ALT TO		STYLE:		TOP KNOBS BAR PULLS 3 INCH CENTER TO CENTER HANDLE CABINET PULL
	HW1		FINISH:		HONEY BRONZE
			SIZE:		3 INCH CENTER TO CENTER
			LOCATION:		KITCHEN SUITE
	HW1-C	CABINETRY HARDWARE	MFR:		FORGE HARDWARE STUDIO
	ALT TO		STYLE:		KNURLED "PRELUDE" CABINET KNOBS AND DRAWER PULLS - T-KNOB
	HW1		FINISH:		CHAMPAGE BRONZE
			SIZE:		T-KNOB
			LOCATION:		KITCHEN SUITE
	HW2	OMITTED FROM PROJECT			
	HW3	CABINETRY HARDWARE	MFR:		KEG WORKS
			STYLE:		SATIN BRUSHED BRASS BAR FOOT RAIL
			FINISH:		BRASS
			END CAP:		FLUSH FLAT END CAP
			LOCATION:		KITCHEN ISLAND
	HW4	CABINETRY HARDWARE	MFR:		PLANK HARDWARE
			NAME:		HOFFMAN 3.5" HOOK
			STYLE		BRASS
			SIZE:		3.5"
			LOCATION:		FULL HEIGHT CABINET/ COAT STORAGE
	HW5	FLOATING VANITY BRACKET	MFR:		A&M HARDWARE

SPEC			COLOR SCHEDULE - FINISH LEGEND	
NOTE: GREYED OUT BOXES ARE PREAPPROVED ALTERNATES INCASE THERE ARE LEED TIME ISSUES				
SECTION	KEY	FINISH		DESCRIPTION
			NAME:	HEAVY DUTY HYBRID BRACKET
			SIZE:	18" ARM, 18 TALL
	HPL1	HIGHPRESSURE LAMINATE	MFR:	FORMICA
			STYLE;	FENIX
			COLOR:	GRIGIO LONDRA
			NUMBER:	J0718
			LOCATION:	SINK VANITY ENCLOSUER PANEL
93000	CT1 - A	PORCELAIN FLOOR	MFR.:	LOUISVILLE TILE - JUDSON HOME
	OPTION A		STYLE:	ASTRA
	B.O.D		COLOR:	IVORY V2
			SIZE:	24"X48"
			GROUT MFR:	TEC
			GROUT COLOR:	DOVE GREY 908
			GROUT SIZE:	1/8"
			INSTALLATION:	ASHLAR INSTALLATION- TILES TO RUN LONG WAYS PERPENDICULAR TO THE SINK AND FOOD SERVICE WALLS.
			LOCATIONS:	SUITE FLOOR
			ACCESSORIES:	PROVIDE SCHLUTER-SCHIENE, PROFILE, SATIN NICKEL ANODIZED FINISIH
			REP:	jstafford@loutile.com
				JOHNNY STAFFORD
	CT2 - A	PORCELAIN FLOOR	MFR.:	LOUISVILLE TILE - JUDSON HOME
	OPTION A		STYLE:	ASTRA
	B.O.D		COLOR:	IVORY V2
			SIZE:	12"X24"
			GROUT MFR:	TEC
			GROUT COLOR:	DOVE GREY 908
			GROUT SIZE:	1/8"
			INSTALLATION:	ASHLAR
			LOCATIONS:	RESTROOM FLOOR
			ACCESSORIES:	PROVIDE SCHLUTER-SCHIENE, PROFILE, SATIN NICKEL ANODIZED FINISIH
	CT3 - A	PORCELAIN WALL	MFR.:	RANGO
	OPTION A		STYLE:	LOOK
	B.O.D		COLOR:	BIANCO
			SIZE:	2"X9"
			GROUT MFR:	TEC
			GROUT COLOR:	DOVE GREY 908
			GROUT SIZE:	1/8"
			INSTALLATION:	STACK BOND
			LOCATIONS:	RESTROOM WALL
	CT4 - A	PORCELAIN WALL	MFR.:	RANGO
	OPTION A		STYLE:	LOOK
	B.O.D		COLOR:	BIANCO 3D YUBI
			SIZE:	2"X9"
			GROUT MFR:	TEC
			GROUT COLOR:	DOVE GREY 908
			GROUT SIZE:	1/8"
			INSTALLATION:	STACK BOND
			LOCATIONS:	RESTROOM WALL
93000	CT1 - B	PORCELAIN FLOOR	MFR.:	DALTILE
	ALT FOOR TILE		STYLE:	INDOTERRA NATURAL RECTANGLE
			COLOR:	IN42 NATURAL
			SIZE:	24"X48"
			FINISH:	MATTE

SPEC			COLOR SCHEDULE - FINISH LEGEND		
NOTE: GREYED OUT BOXES ARE PREAPPROVED ALTERNATES INCASE THERE ARE LEED TIME ISSUES					
SECTION	KEY	FINISH			DESCRIPTION
			GROUT MFR:		TEC
			GROUT COLOR:		DOVE GREY 908
			GROUT SIZE:		1/8"
			INSTALLATION:		ASHLAR INSTALLATION- TILES TO RUN LONG WAYS PERPENDICULAR TO THE SINK AND FOOD SERVICE WALLS.
			LOCATIONS:		SUITE FLOOR
			REP:		paul.wasserzug@daltile.com
	CT2 - B	PORCELAIN FLOOR	MFR.:		DALTILE
	ALT FOOR TILE		STYLE:		INDOTERRA NATURAL RECTANGLE
			COLOR:		IN42 NATURAL
			SIZE:		6"X24"
			GROUT MFR:		TEC
			GROUT COLOR:		DOVE GREY 908
			GROUT SIZE:		1/8"
			INSTALLATION:		ASHLAR
			LOCATIONS:		RESTROOM FLOOR
			ACCESSORIES:		PROVIDE SCHLUTER-SCHIENE, PROFILE, SATIN NICKEL ANODIZED FINISIH
	CT3 - B	PORCELAIN WALL	MFR.:		PORTOBELLO
	ALT WALL TILE		STYLE:		VERRE
	OPTION B		COLOR:		BLANC GLOSSY
			SIZE:		12"X24"
			GROUT MFR:		TEC
			GROUT COLOR:		DOVE GREY 908
			GROUT SIZE:		1/8"
			INSTALLATION:		STACK BOND
			LOCATIONS:		RESTROOM WALL
	CT4 - B	PORCELAIN WALL	MFR.:		PORTOBELLO
	ALT WALL TILE		STYLE:		VERRE
	OPTION B		COLOR:		ONDULE BLANC GLOSSY
			SIZE:		TEC
			GROUT MFR:		DOVE GREY 908
			GROUT COLOR:		1/8"
			GROUT SIZE:		1/8"
			INSTALLATION:		STACK BOND
			LOCATIONS:		RESTROOM WALL
	CT3 - C	PORCELAIN WALL	MFR.:		DALTILE
	ALT WALL TILE		STYLE:		INDOTERRA NATURAL RECTANGLE
	OPTION C		COLOR:		IN42 NATURAL
			SIZE:		2"X9"
			GROUT MFR:		TEC
			GROUT COLOR:		DOVE GREY 908
			GROUT SIZE:		1/8"
			INSTALLATION:		STACK BOND
			LOCATIONS:		RESTROOM WALL
	CT4 - C	PORCELAIN WALL	MFR.:		DALTILE
	ALT WALL TILE		STYLE:		INDOTERRA NATURAL RECTANGLE FLUTED
	OPTION C		COLOR:		IN42 NATURAL
			SIZE:		2"X9"
			GROUT MFR:		TEC
			GROUT COLOR:		DOVE GREY 908
			GROUT SIZE:		1/8"
			INSTALLATION:		STACK BOND
			LOCATIONS:		RESTROOM WALL - RE: ELEV.
95113	APC1	ACOUSTICAL PANEL CEILINGS	MFR.:		ARMSTRONG
			NO.:		2820

SPEC			COLOR SCHEDULE - FINISH LEGEND	
NOTE: GREYED OUT BOXES ARE PREAPPROVED ALTERNATES INCASE THERE ARE LEED TIME ISSUES				
SECTION	KEY	FINISH		DESCRIPTION
			STYLE:	CALLA
			SIZE:	24" X 24"
			THICKNESS:	1"
			ACOUSTICS:	0.95 NRC
			COLOR	WHITE (WH)
			GRID	15/16" PRELUDE GRID, WHITE
			LOCATION:	SUITE
	APC2	ACOUSTICAL PANEL CEILINGS	MFR.:	ARMSTRONG
		GREY	NO.:	2820
			STYLE:	CALLA
			SIZE:	24" X 24"
			THICKNESS:	1"
			ACOUSTICS:	0.95 NRC
			COLOR	PAINTED TO MATCH P2
			GRID	15/16" PRELUDE GRID PAINTED TO MATCH P2
			LOCATION:	RESTROOM
	APC3	ACOUSTICAL PANEL CEILINGS	MFR.:	SOELBERG
		PET/ DECORATIVE	STYLE:	TRAVE
			PANEL SIZE:	24"X24"
			BAFFLE SIZE:	2" X 2" BAFFLES WITH 2" SPACING
			CORE THICKNESS:	1/2" (12MM)
			CONTENT:	100% POLYESTER (PET) FELT
			HARDWARE:	FACTORY APPLIED GRIDCLIP
			COLOR	GRAPHITE
			LOCATION:	SUITE
			NOTE	BLACK BACKER
			PRODUCT REP:	Melanie Proloux; Contact melanie for all pricing inquieries
				614.314.1083
				mproulx@indigospecgroup.com
96513	RB1	RESILIENT BASE	MFR.:	TARKET
		AND ACCESSORIES	STYLE:	TRADITIONAL VINYL COVE BASE
			COLOR:	40 BLACK B
			HEIGHT:	8"
			LOCATION:	LOBBIES
96800	CPT1-A	TILE CARPETING	MFR.:	INTERFACE
	B.O.D.		STYLE:	WORLD WOVEN WW895
			STYLE NUMBER:	128220AK00
			COLOR:	103218 SAHARA WEAVE
			SIZE:	25CM X 1M
			FIBER:	AQUAFIL
				100% RECYCLED CONTENT
				TYPE 6 NYLON
			DYE METHOD:	SOLUTION DYED
			BACKING:	GLASBAC
			INSTALLATION:	ASHLAR- TILES CAN RUN IN EITHER DIRECTION
			LOCATION:	SUITE
			PRODUCT REP:	ELIZABETH COOMER
				Elizabeth.Coomer@interface.com
	CPT1-B	TILE CARPETING	MFR.:	INTERFACE
	ALT SUITE		STYLE:	KNITSTITCH
	CARPET		STYLE NUMBER:	1406002500
			COLOR:	103341 SLATE/CURRY
			SIZE:	50CMX50CM
			FIBER:	TUFTED PATTERN LOOP
			DYE METHOD:	100% SOLUTION DYED

SPEC			COLOR SCHEDULE - FINISH LEGEND		
NOTE: GREYED OUT BOXES ARE PREAPPROVED ALTERNATES INCASE THERE ARE LEED TIME ISSUES					
SECTION	KEY	FINISH			DESCRIPTION
			BACKING:		GLASBAC
			INSTALLATION:		ASHLAR- TILES CAN RUN IN EITHER DIRECTION
			LOCATION:		SUITE
			NOTE:		ALTERNATE TO INTERFACE
	CPT2	WALK OFF CARPET TILE	MRF:		MANINGTON
	B.O.D.		COLLECTION:		INERTIA
			COLORWAY:		FLUID
			SIZE:		18"X36" TILE
			INSTALL PATTERN:		ASHLAR- TILES CAN RUN IN EITHER DIRECTION
			LOCATION:		LOBBIES
96700	WC1	WALL COVERING	MFR:		WOLF GORDON
			STYLE:		EMBER
			COLOR:		FAÇADE EBR 2237
			LOCATION:		SINK WALL
	WC2	WALL COVERING	MFR:		MDC
			STYLE:		CASSIDY
			COLOR:		RODEO 4508CY
			LOCATION:		TV WALL
99000	P1	PAINT	MFR.:		SHERWIN WILLIAMS
			COLOR:		SW7636 ORIGAMI WHITE
			SHEEN:	1	FLAT AT CEILINGS
				2	EGGSHELL AT WALLS
			LOCATION:		SUITE
	P2	PAINT	MFR.:		SHERWIN WILLIAMS
			COLOR:		SW 7069 IRON ORE
			SHEEN:	1	FLAT AT CEILINGS
				2	EGGSHELL AT WALLS
				3	SATIN AT MILLWORK
			LOCATION:		SUITE
	P3	PAINT	MFR.:		SHERWIN WILLIAMS
			COLOR:		TBD
			SHEEN:		FLAT AT CEILINGS
			LOCATION:		CEILINGS
	P4	PAINT	MFR.:		SHERWIN WILLIAMS
			COLOR:		TBD
			SHEEN:		SEMIGLOSS AT EXTERIOR CEILINGS
			LOCATION:		EXTERIOR CORRIDOR CEILINGS
102800	TA1	TOILET ACCESSORIES	MFR:		KINGSTON
		GRAB BAR	STYLE:		BERWYN STAINLESS STEEL GRAB BAR
			PRODUCT NUMBER:		GBS1442CS0
			FINISH:		MATTE BLACK
			SIZE:		42" X 1 1/4"
			LOCATION:		RESTROOM
	TA2	TOILET ACCESSORIES	MFR:		KINGSTON
		GRAB BAR	STYLE:		BERWYN STAINLESS STEEL GRAB BAR
			PRODUCT NUMBER:		GBS1432CS0
			FINISH:		MATTE BLACK
			SIZE:		32" X 1 1/4"
			LOCATION:		RESTROOM
	TA3	TOILET ACCESSORIES	MFR:		BOBRICK

SPEC			COLOR SCHEDULE - FINISH LEGEND		
NOTE: GREYED OUT BOXES ARE PREAPPROVED ALTERNATES INCASE THERE ARE LEED TIME ISSUES					
SECTION	KEY	FINISH			DESCRIPTION
		TOILET PAPER DISPENSER	STYLE:		SURFACE MOUNTED TOILET TISSUE DISPENSER AND UTILITY SHELF
			PRODUCT NUMBER:		B-540.MBLK
			FINISH:		MATTE BLACK
			LOCATION:		RESTROOM
	TA4	TOILET ACCESSORIES	MFR:		FOUNDATION HOSPITALITY
		MIRROR	STYLE:		EPIE MIRROR
			PRODUCT NUMBER:		BLK6722P
			SIZE:		24"W X45"H
			FINISH:		BLACK
			LOCATION:		RESTROOM

SECTION 093000 - TILING

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. This Section includes the following:
   1. Basis Of Design:
      a. Glazed Porcelain Floor Tile (CT1-A); 24" x 48" Astra
      b. Glazed Porcelain Floor Tile (CT2-A); 12" x 24"Astra
      c. Glazed Porcelain Wall Tile (CT3-A); 2" x 9" Look
      d. Glazed Porcelain Wall Tile (CT4-A); 2" x 9" Look
   2. Alternate Floor Tiles (If providing alternate floor tile for 1a and 1b, contractor MUST provide both CT1 and CT2 in groups as specified below)
      a. Floor Tile Alt Group B
         1) Glazed Porcelain Floor Tile (CT1-B); 24" x 48" Indoterra
         2) Glazed Porcelain Floor Tile (CT2-B); 12" x 24" Indoterra
   3. Alternate Wall Tiles (If providing alternate wall tile for 1c & 1d, contractor MUST provide both CT3 and CT4 in groups as specified below)
      a. Wall Tile Alt Group B
         1) Glazed Porcelain Wall Tile (CT3-B); 12" x 24" Verre
         2) Glazed Porcelain Wall Deco Tile (CT4-B); 12" x 24" Verre
      b. Wall Tile Alt Group C
         1) Glazed Porcelain Wall Tile (CT3-C); 2" x 9" Indoterra
         2) Glazed Porcelain Wall Deco Tile (CT4-C); 2"x9" Indoterra
   4. Setting and grouting materials
   5. Metal Transition strips.
   6. Self-leveling system comprised of clips & wedges

1.02 RELATED REQUIREMENTS

A. Section 01 - Alternates: Refer to section for additional information.

B. Section 01 - Administrative Requirements - Submittal procedures

C. Section 079005 - Joint Sealers: Acoustic sealant/sound caulk

D. Section 090050 - Finish Legend

E. Section 092116 - Gypsum Board Assemblies: Tile backer board

1.03 REFERENCE STANDARDS

A. ANSI SG02-1 - North American Specification for the Design of Cold-Formed Steel Structural Members; American Iron and Steel Institute; 2001 with 2004 supplement. (replaced SG-971)

B. ANSI A118.7 American National Standard Specifications for High Performance Cement Grouts for Tile Installation (2019)

C. ANSI A108.10 - American National Standard Specifications for Installation of Grout in Tilework; 1999 (Reaffirmed 2010).

D. ANSI A108.11 - American National Standard Specifications for Interior Installation of Cementitious Backer Units; 2010 (Reaffirmed 2016).

E. ANSI A118.12 - American National Standard Specifications for Crack Isolation Membranes for Thin-set Ceramic Tile and Dimension Stone Installation; 2014.

F. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2013.

G. ASTM C754 - Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products; 2011.

H. ASTM C840 - Standard Specification for Application and Finishing of Gypsum Board; 2013.

I. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2014.

J. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; 2009.

K. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride;2011.

L. ICC (IBC) - International Building Code; 2012, with Kentucky Amendments; current edition.

M. TCNA (HB) - Handbook for Ceramic, Glass, and Stone Tile Installation; 2023

N. UL (FRD) - Fire Resistance Directory; Underwriters Laboratories Inc.; current edition.

1.04 SUBMITTALS

A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.

B. Product data: Provide manufacturer's data sheets on tile, mortar, grout, and accessories. Include instructions for using grouts and adhesives.

C. Shop drawings indicating tile patterns and locations and widths of expansion, contraction, control, and isolation joints in tile substrates and finished tile surfaces.
1. Locate precisely each joint and crack in tile substrates by measuring, record measurements on shop drawings, and coordinate them with tile joint locations, in consultation with Architect.

D. Samples for initial selection purposes in form of manufacturer's color charts consisting of actual tiles or sections of tile showing full range of colors, textures, and patterns available for each type and composition of tile indicated. Include samples of grout and accessories involving color selection.

E. Samples for verification purposes of each item listed below, prepared on samples of size and construction indicated, products involve color and texture variations, in sets showing full range of variations expected.
1. Each type and composition of tile and for each color and texture required, at least 12 inches square, mounted on plywood or hardboard backing and grouted.
2. Full-size units of each type of trim and accessory for each color required.

F. Master grade certificates for each shipment, type, and composition of tile, signed by tile manufacturer and Installer.

G. Material test reports from qualified independent testing laboratory indicating and interpreting test results relative to compliance of tile and tile setting and grouting products with requirements indicated.

H. Qualification data for firms and persons specified in "Quality Assurance" article to demonstrate their capabilities and experience. Include list of completed projects with project names, addresses, names of Architects and Owners, plus other information specified.

I. Maintenance Data: Include recommended cleaning methods, cleaning materials, and stain removal methods.

J. Maintenance Materials: Furnish the following for Owner's use in maintenance of project:
1. See Section 016000 - Product Requirements, for additional information.

1.05 QUALITY ASSURANCE

A. Single-Source Responsibility for Tile: Obtain each color, grade, finish, type, composition, and variety of tile from a single source with resources to provide products of consistent quality in appearance and physical properties without delaying progress of the Work.

B. Single-Source Responsibility for Setting and Grouting Materials: Obtain ingredients of a uniform quality from one manufacturer for each cementitious and admixture component and from one source or producer for each aggregate.

C. Installer Qualifications: Engage an experienced Installer who has successfully completed tile installations similar in material, design, and extent to that indicated for Project.

D. Preinstallation Conference: Conduct conference at Project site to comply with requirements of Division 1 Section "Project Meetings".

E. Maintain one copy of ANSI A108/A118/A136.1 and TCNA (HB) on site.

1.06 PRE-INSTALLATION MEETING

A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by all relevant installers.

1.07 COMPLETION MEETING

A. A meeting shall be held at the completion of the project and attended by all parties that were present at the pre-job conference. A punch list of items required for completion shall be compiled by the Contractor and the Manufacturer's representative. The Contractor shall complete all punch list items and acquire Manufacturer's warranty for final submittal to Architect.

1.08 MOCK-UP

A. See Section 01 - Quality Requirements, for general requirements for mock-up.

B. Construct tile mock-up where indicated on drawings, incorporating all components specified for the location.
   1. Minimum size of mock-up shall be 60" X 60" or indicated on drawings.
   2. Approved mock-up may remain as part of the Work.
   3. Demolish mock-up when directed by Architect, and remove debris from the site.

1.09 DELIVERY, STORAGE, AND HANDLING

A. Deliver and store packaged materials in original containers with seals unbroken and labels intact until time of use. Comply with requirement of ANSI A137.1 for labeling sealed tile packages.

B. Prevent damage or contamination to materials by water, freezing, foreign matter, and other causes.

C. Handle tile with temporary protective coating on exposed surfaces to prevent coated surfaces from contacting backs or edges of other units. If despite these precautions coating does contact bonding surfaces of tile, remove coating from bonding surfaces before setting tile.

1.10 PROJECT CONDITIONS

A. Maintain environmental conditions and protect work during and after installation to comply with referenced standards and manufacturer's printed recommendations.

B. Vent temporary heaters to exterior to prevent damage to tile work from carbon dioxide buildup.

C. Maintain temperatures at 50 deg F (10 deg C) or more in tiled areas during installation and for 7 days after completion, unless higher temperatures are required by referenced installation standard or manufacturer's instructions.

1.11 SEQUENCING AND SCHEDULING

A. Coordinate the work with all sections referencing this section.

1.12 WARRANTY

A. See Section 01 - Closeout Submittals for additioanl warranty requirements **(Use for CM)**

B. Correct defective work within a five year period after Date of Substantial Completion.

C. Warranty: Include coverage for installed sealants and accessories which fail to achieve airtight seal, exhibit loss of adhesion or cohesion, or do not cure.

1.13 EXTRA MATERIALS

A. Deliver extra materials to Owner. Furnish extra materials that match products installed as described below, packaged with protective covering for storage and identified with labels clearly describing contents.
   1. Tile and Trim Units: Furnish quantity of full-size units equal to 3% percent of amount installed, for each type, composition, color, pattern, and size.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated in the Work include the following:
   1. Porcelain Tile:
      a. Portobello Tile
      b. Crossville, Inc.
      c. Louisville Tile
      d. Dal-Tile Corp.
      e. Rango USA
   2. Latex-Emulsion Based-Portland Cement Mortars:
      a. Boiardi Products Corp.
      b. Bostik Construction Products Div.
      c. C-Cure Chemical Co.
      d. Custom Building Products
      e. Dal-Tile Corp.
      f. DAP, Inc. Div.; USG Corp.
      g. H.B. Fuller
      h. Laticrete International, Inc.
      i. L&M Mfg., Inc.
      j. TEC
   3. High Performance Grout:
      a. TEC Power Grout 550
      b. Custom Prisma
      c. Grout shall be supplied from the same manufacturer as the mortar

2.02 PRODUCTS, GENERAL

A. ANSI Standard for Ceramic Tile: Comply with ANSI A137.1 "American National Standard Specifications for Ceramic Tile" for types, compositions, and grades of tile indicated.
   1. Furnish tile complying with "Standard Grade" requirements unless otherwise indicated.

B. ANSI Standard for Tile Installation Materials: Comply with ANSI standard referenced with products and materials indicated for setting and grouting.

C. Colors, Textures, and Patterns: Where manufacturer's standard products are indicated for tile, grout, and other products requiring selection of colors, surface textures, patterns, and other appearance characteristics, provide specific products or materials complying with the following requirements:
   1. Provide porcelain paver/wall tile selections by interior designer.
   2. Provide tile trim and accessories that match color and finish of adjoining flat tile unless otherwise indicated.

D. Factory Blending: For tile exhibiting color variations within the ranges selected during sample submittals, blend tile in factory and package accordingly so that tile units taken from one package show the same range in colors as those taken from other packages and match approved samples.

2.03 TILE PRODUCTS

A. BASIS OF DESIGN: Glazed Porcelain Floor Tile (CT1-A): Refer to Specification section 090050 for additional information. Provide tile complying with the following requirements:
   1. Composition: Porcelain.
   2. Nominal Thickness: 10mm
   3. Face: Plain with square edges.
   4. Basis of Design:
      a. Manufacturer: Judson Home
      b. Style: Astra
      c. Color: Ivory V2
      d. Size: 24"x48"
      e. Installation: Stack Bond

B. BASIS OF DESIGN: Porcelain Paver Floor Tile (CT2-A): Refer to Specification section 090050 for additional information. Provide tile complying with the following requirements:
   1. Composition: Porcelain.
   2. Nominal Thickness: 10mm
   3. Face: Plain with square edges.
   4. Basis of Design:
      a. Manufacturer: Judson Home
      b. Style: Astra
      c. Color: Ivory V2
      d. Size: 12"x24"
      e. Installation: Stack Bond

C. BASIS OF DESIGN: Porcelain Wall Tile (CT3-A): Refer to Specification section 090050 for additional information. Provide tile complying with the following requirements:
   1. Composition: Porcelain.
   2. Nominal Thickness: 3/8 inch.
   3. Face: Plain with square edges.
   4. Basis of Design:
      a. Manufacturer: Rango
      b. Style: Look
      c. Color: Bianco
      d. Size: 2"x9"
      e. Installation: Stack Bond

D. BASIS OF DESIGN: Porcelain Wall Tile (CT4-A): Provide tile complying with the following requirements:
   1. Composition: Porcelain.
   2. Nominal Thickness: 3/8 inch.
   3. Face: Plain with square edges.
   4. Basis of Design:
      a. Manufacturer: Rango

b. Style: Look
c. Color: Bianco 3D Yubi
d. Size: 2"x9"
e. Installation: Stack Bond

E. ALTERNATE FLOOR TILE GROUP B: Glazed Porcelain Floor Tile & Base (CT1-B): Refer to Specification section 090050 for additional information. Provide tile complying with the following requirements:
1. Composition: Porcelain.
2. Nominal Thickness: 3/8 inch.
3. Face: Plain with square edges.
4. Basis of Design:
   a. Manufacturer: DalTile
   b. Style: Indoterra Natural Rectangle
   c. Color: In42 Natural
   d. Size: 24"x48"
   e. Installation: Stack Bond

F. ALTERNATE FLOOR TILE GROUP B: Porcelain Paver Floor Tile & Base (CT2-B): Refer to Specification section 090050 for additional information. Provide tile complying with the following requirements:
1. Composition: Porcelain.
2. Nominal Thickness: 3/8 inch.
3. Face: Plain with square edges.
4. Basis of Design:
   a. Manufacturer: DalTile
   b. Style: Indoterra Natural Rectangle
   c. Color: IN42 Natural
   d. Size: 6"x24"

G. ALTERNATE WALL TILE GROUP B: Porcelain Paver Wall Tile (CT3-B): Refer to Specification section 090050 for additional information. Provide tile complying with the following requirements:
1. Composition: Porcelain.
2. Nominal Thickness: 3/8 inch.
3. Face: Plain with square edges.
4. Basis of Design:
   a. Manufacturer: Portobello
   b. Style: Verre
   c. Color: Blanc Glossy
   d. Size: 12"x24"

H. ALTERNATE WALL TILE GROUP B: Porcelain Paver Wall Tile (CT4-B): Refer to Specification section 090050 for additional information. Provide tile complying with the following requirements:
1. Composition: Porcelain.
2. Nominal Thickness: 3/8 inch.
3. Face: Plain with square edges.
4. Basis of Design:
   a. Manufacturer: Portobello
   b. Style: Verre
   c. Color: Ondule Blanc Glossy
   d. Size: 12"x24"

I. ALTERNATE WALL TILE GROUP C: Glazed Porcelain Wall Tile (CT3-C): Refer to Specification section 090050 for additional information. Provide tile complying with the following requirements:
1. Composition: Porcelain.
2. Nominal Thickness: 3/8 inch.

3. Face: Plain with square edges.
4. Basis of Design:
    a. Manufacturer: DalTile
    b. Style: Indoterra Natural Rectangle
    c. Color: IN42 Natural
    d. Size: 2"x9"
    e. Installation: Stack Bond

J. ALTERNATE WALL TILE GROUP C: Glazed Porcelain Wall Tile (CT4-C): Refer to Specification section 090050 for additional information. Provide tile complying with the following requirements:
1. Composition: Porcelain.
2. Nominal Thickness: 3/8 inch.
3. Face: Plain with square edges.
4. Basis of Design:
    a. Manufacturer: DalTile
    b. Style: Indoterra Natural Rectangle Fluted
    c. Color: IN42 Natural
    d. Size: 2"x9"
    e. Installation: Stack Bond

K. Price Group: _____
1. Trim Units: Provide tile trim units to match characteristics of adjoining flat tile and to comply with following requirements:
    a. Size: As indicated, coordinated with sizes and coursing of adjoining flat tile where applicable.
    b. Shapes: As follows, selected from manufacturer's standard shapes:
        1) Base for Thinset Mortar Installations: Coved.
        2) External Corners for Thinset Installations: Surface bullnose.
        3) Internal Corners: Field-butted square corners, except use coved base and cap angle pieces designed to member with stretcher shapes.

2.04 SETTING & GROUTING MATERIALS

A. Portland Cement Mortar Installation Materials: Provide materials to comply with ANSI A108.1 as required for installation method designated, unless otherwise indicated.

B. Latex-Portland Cement Mortar: Provide product complying with ANSI A108.1 and the following requirement for composition:
1. Prepackaged dry mortar mix incorporating dry polymer additive in the form of a re-emulsifiable powder to which only water is added at the job site.

C. Grouting Materials:
1. Dry Set Grout: Provide product complying with ANSI A118.7 of color indicated.
2. Prepackaged Dry Grout Mix incorporating dry polymer additive in the form of a re-emulsifiable powder to which only water is added at job site.
3. Note: Grout joint widths shall be minimum required per manufacturer's recommendations. The grout shall fill the joint space and be no lower than 1/32" of an inch from the top face of the tile.

2.05 ELASTOMERIC SEALANTS

A. General: Provide manufacturer's standard chemically curing, elastomeric sealants of base polymer indicated that comply with requirements of Division 7 Section "Joint Sealers," including ASTM C 920 as referenced by Type, Grade, Class, and Uses.

B. Colors: Provide colors of exposed sealants to match colors of grout in tile adjoining sealed joints unless otherwise indicated.

C. Coordinate Pourable Urethane Sealant at concrete slab for Use T: Type M; Grade P; Class 25; Uses T, M, A, and as applicable to joint substrates indicated, O.

D. Products: Subject to compliance with requirements, manufacturers offering products which may be incorporated into the Work include, but are not limited to, the following:
   1. Sealant Manufacturers
      a. Sealant manufactured by Grout supplier
      b. Color-Rite

2.06 MISCELLANEOUS MATERIALS

A. Metal Transition Strips:
   1. Provide a metal stepless transition strip to match Schluter-Reno U Anodized Aluminum or TK Series (or approved equivalent) at all exposed edges of tile installation.
   2. Provide Schluter Anodized Aluminum AE Cove base profile -DILEX-AHK at intersection of floor and wall tile.
   3. Provide Schluter-Schiene, Profile, sating nickel w/ anondized finish. (CT1 & CT2)

B. Outside Corner Metal Trim: Provide outside corner metal trim equivalent to Schluter Systems Rondec-AE number RO 80 AE “Satin Anodized” finish on all outside wall corners to receive tile.

C. Self-Leveling System: Provide two-part leveling clips and wedges at minimum joint width required by manufacturer as manufactured by one of the following:
   1. Raimondi - Leveling Solutions
   2. Tuscan - Leveling System
   3. QEP - Lash System

2.07 MIXING MORTARS AND GROUT

A. Mix mortars and grouts to comply with requirements of referenced standards and manufacturers including those for accurate proportioning of materials, water, or additive content; type of mixing equipment, selection of mixer speeds, mixing containers, mixing time, and other procedures needed to produce mortars and grouts of uniform quality with optimum performance characteristics for application indicated.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine substrates and areas where tile will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of installed tile.
   1. Verify that substrates for setting tile are firm, dry, clean, and free from oil or waxy films and curing compounds.
   2. Verify that installation of grounds, anchors, recessed frames, electrical and mechanical units of work, and similar items located in or behind tile has been completed before installing tile.

B. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Blending: For tile exhibiting color variations within the ranges selected during sample submittals, verify that tile has been blended in factory and packaged accordingly so that tile units taken from one package show the same range in colors as those taken from other packages and match approved samples. If not factory blended, either return to manufacturer or blend tiles at Project site before installing.

B. Field-Applied Temporary Protective Coating: Where indicated under tile type or needed to prevent adhesion or staining of exposed tile surfaces by grout, protect exposed surfaces of tile against

adherence of mortar and grout by precoating them with a continuous film of temporary protective coating indicated below, taking care not to coat unexposed tile surfaces:
1. Petroleum paraffin wax or grout release.

C. Protect surrounding work from damage.

D. Vacuum clean surfaces and damp clean.

E. Seal substrate surface cracks with filler. Verify existing substrate surfaces are at acceptable flatness tolerances to receive tile.

F. Coordinate installation of backer board in accordance with ANSI A108.11 and board manufacturer's instructions with gypsum drywall installer.

G. Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.

3.03 INSTALLATION - GENERAL

A. ANSI Tile Installation Standard: Comply with parts of ANSI 108 series of tile installation standards included under "American National Standard Specifications for the Installation of Ceramic Tile" that apply to type of setting and grouting materials and methods indicated.

B. TCA Installation Guidelines: TCA "Handbook for Ceramic Tile Installation"; comply with TCA installation methods indicated.

C. Extend tile work into recesses and under or behind equipment and fixtures to form a complete covering without interruptions except as otherwise shown. Terminate work neatly at obstructions, edges, and corners without disrupting pattern or joint alignments.

D. Accurately form intersections and returns. Perform cutting and drilling of tile without marring visible surfaces. Carefully grind cut edges of tile abutting trim, finish, or built-in items for straight aligned joints. Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so that plates, collars, or covers overlap tile.

E. Jointing Pattern: Unless otherwise shown, lay tile in grid pattern. Align joints when adjoining tiles on floor, base, walls, and trim are same size. Lay out tile work and center tile fields in both directions in each space or on each wall area. Adjust to minimize tile cutting. Provide uniform joint widths unless otherwise shown.
1. For tile mounted in sheets, make joints between tile sheets same width as joints within tile sheets so that extent of each sheet is not apparent in finished work.

F. Expansion Joints: Locate expansion joints and other sealant-filled joints, including control, contraction, and isolation joints, where indicated during installation of setting materials, mortar beds, and tile. Do not saw cut joints after installation of tiles.
1. Locate joints in tile surfaces directly above joints in concrete substrates.
2. Prepare joints and apply sealants to comply with requirements of Division 7 Section "Joint Sealers."

G. At changes in plane and tile-to-tile control joints, use tile sealant instead of grout, with either bond breaker tape or backer rod as appropriate to prevent three-sided bonding per TCNA.

3.04 INSTALLATION - FLOORS - THIN-SET METHODS

A. Over interior concrete substrates, install in accordance with TCNA (HB) Method F113 or F116 (epoxy).
1. Where waterproofing membrane is indicated, install in accordance with TCNA (HB) Method F122.
2. Where epoxy bond coat and grout are indicated, install in accordance with TCNA (HB) Method F131.

B. Over wood substrates, install in accordance with TCNA (HB) Method F150.

C. Install tile-to-tile floor movement joints in accordance with TCNA (HB) Method EJ171F.

3.05 INSTALLATION - WALL TILE

A. Over interior concrete and masonry install in accordance with TCNA (HB) Method W202, thin-set with dry-set or latex-Portland cement bond coat.

3.06 CLEANING AND PROTECTION

A. Cleaning: Upon completion of placement and grouting, clean all ceramic tile surfaces so they are free of foreign matter.
   1. Remove latex-portland cement grout residue from tile as soon as possible.
   2. Unglazed tile may be cleaned with acid solutions only when permitted by tile and grout manufacturer's printed instructions, but no sooner than 14 days after installation. Protect metal surfaces, cast iron, and vitreous plumbing fixtures from effects of acid cleaning. Flush surface with clean water before and after cleaning.
   3. Remove temporary protective coating by method recommended by coating manufacturer that is acceptable to brick and grout manufacturer. Trap and remove coating to prevent it from clogging drains.

B. Finished Tile Work: Leave finished installation clean and free of cracked, chipped, broken, unbonded, and otherwise defective tile work.

C. Provide final protection and maintain conditions in a manner acceptable to manufacturer and installer that ensures that tile is without damage or deterioration at time of Substantial Completion.

D. When recommended by tile manufacturer, apply a protective coat of neutral protective cleaner to completed tile walls and floors. Protect installed tile work with kraft paper or other heavy covering during construction period to prevent staining, damage, and wear.

E. Prohibit foot and wheel traffic from tiled floors for at least 7 days after grouting is completed.

F. Before final inspection, remove protective coverings and rinse neutral cleaner from tile surfaces.

END OF SECTION

SECTION 096513 - RESILIENT WALL BASE AND ACCESSORIES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. This Section includes the following:
   1. Resilient wall base (RB1) - 8" rolls only. Refer to the drawings and the room finish schedule for additional information.

B. Sections 096500 thru 096513 and 096813 thru 096816 shall not be combined with any other bid packages. A certified person should be on the job at all times during the installation procedures.

1.02 RELATED REQUIREMENTS

A. Section 090050 - Finish Legend

B. Section 096502 - Resilient tile flooring

1.03 REFERENCE STANDARDS

A. AISI SG02-1 - North American Specification for the Design of Cold-Formed Steel Structural Members; American Iron and Steel Institute; 2001 with 2004 supplement (replaced SG-971)

B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2013

C. ASTM C645 - Standard Specification for Nonstructural Steel Framing Members; 2014

D. ASTM C665 - Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing; 2012

E. ASTM C754 - Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products; 2011

F. ASTM C1002 - Standard Specification for Steel Self-Piercing Tapping Screws for Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs; 2014

G. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2014

H. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; 2009

I. UL (FRD) - Fire Resistance Directory; Underwriters Laboratories Inc.; current edition

1.04 SUBMITTALS

A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections:
   1. Product data for each type of product specified
   2. Samples for initial selection purposes of manufacturer's standard sample sets in form of pieces cut from each type of product specified showing full range of colors and patterns available

1.05 QUALITY ASSURANCE

A. Single-Source Responsibility for Products: Obtain each type and color of product specified from a single source with resources to provide products of consistent quality in appearance and physical properties without delaying progress of the Work.

B. Fire Performance Characteristics: Provide products with the following fire performance characteristics as determined by testing products per ASTM test method indicated below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction.

C. Critical Radiant Flux: 0.45 watts per sq. cm or more per ASTM E 648.

D. Smoke Density: Less than 450 per ASTM E 662.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to Project site in original manufacturer's unopened cartons and containers, each bearing names of product and manufacturer, Project identification, and shipping and handling instructions.

B. Store products in dry spaces protected from the weather with ambient temperatures maintained between 50 deg F (10 deg C) and 90 deg F (32 deg C).

C. Move products into spaces where they will be installed at least 48 hours in advance of installation.

1.07 PROJECT CONDITIONS

A. Maintain a minimum temperature of 70 deg F (21 deg C) in spaces to receive products specified in this Section for at least 48 hours prior to installation, during installation, and for not less than 48 hours after installation. After this period, maintain a temperature of not less than 55 deg F (13 deg C).

B. Do not install products until they are at the same temperature as that of the space where they are to be installed.

C. Close spaces to traffic during installation of products specified in this Section.

1.08 SEQUENCING AND SCHEDULING

A. Sequence installing products specified in this Section with other construction to minimize possibility of damage and soiling during remainder of construction period.

1.09 EXTRA MATERIALS

A. Deliver extra materials to Owner. Furnish extra materials matching products installed as described below, packaged with protective covering for storage, and identified with labels clearly describing contents.
   1. Furnish not less than 10 linear feet for each 500 linear feet or fraction thereof of each different type and color of resilient wall base installed, on a continuous roll. One roll per color.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following including:
   1. Basis of Design: Design concept and the drawings indicate the size, profiles, dimensional requirements and aesthetics of the following:
      a. Tarkett Commercial / Johnsonite Millwork Wall Base System
      b. 8" Reveal MW-XX-F8
   2. Products by other manufacturers (listed below) may be considered, provided deviations in dimensions and profiles are minor and do not change the design concept as judged by the Architect:
      a. Roppe Corporation
      b. Flexco Div., Textile Rubber Co.
      c. Burke Flooring Products Div., Burke Industries, Inc.

2.02 RESILIENT WALL BASE

A. Vinyl Wall Base: Products complying with FS SS-W-40, Type I, and requirements specified in the Rubber Wall Base Product Data Sheet at end of this Section.

2.03 RESILIENT ACCESSORIES

A. Vinyl Accessories: Products complying with requirements specified in Vinyl Accessory Product Data Sheet at end of this Section.

2.04 INSTALLATION ACCESSORIES

A. Concrete Slab Primer: Nonstaining type as recommended by flooring manufacturer.

B. Trowelable Underlayments and Patching Compounds: Latex-modified, portland- cement-based formulation provided or approved by flooring manufacturer for applications indicated.

C. Adhesives: Water-resistant type recommended by manufacturer to suit resilient flooring product and substrate conditions indicated.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine areas where installation of products specified in this Section will occur, with Installer present, to verify that substrates and conditions are satisfactory for installation and comply with manufacturer's requirements and those specified in this Section.

3.02 PREPARATION

A. General: Comply with manufacturer's installation specifications for preparing substrates indicated to receive products indicated.

B. Use trowelable leveling and patching compounds per manufacturers directions to fill cracks, holes, and depressions in substrates.

C. Remove coatings, including curing compounds, and other substances that are incompatible with flooring adhesives and that contain soap, wax, oil, or silicone, by using a terrazzo or concrete grinder, a drum sander, or a polishing machine equipped with a heavy-duty wire brush.

D. Broom and vacuum clean substrates to be covered immediately before installing products specified in this Section. Following cleaning, examine substrates for moisture, alkaline salts, carbonation, or dust.

E. Apply concrete slab primer, if recommended by flooring manufacturer, prior to applying adhesive. Apply according to manufacturer's directions.

3.03 INSTALLATION

A. General: Install products specified in this Section using methods indicated according to manufacturer's installation directions.

B. All work required to put the wall and floor surface into acceptable condition to receive the specified products shall be the full responsibility of the installer. All surfaces shall be prepared to prevent the telegraphing of irregular substrate conditions onto/through the surface of the new wall base or other accessories.

C. Apply resilient wall base to walls, columns, pilasters, casework, and other permanent fixtures in rooms and areas where base is required. Install wall base in lengths as long as practicable. Tightly adhere wall base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.

1. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilienttra wall base with manufacturer's recommended adhesive filler material.
2. Install inside and exterior corners before installing straight pieces.
3. Form inside corners on job from straight pieces of maximum lengths possible by cutting an inverted V-shaped notch in toe of wall base at the point where corner is formed. Shave back of base where necessary to produce snug fit to substrate.
4. Form outside corners on job from straight pieces of maximum lengths possible by shaving back of base at point where bending will occur. Remove a strip perpendicular to length of base and only deep enough to produce a snug fit without bends whitening or removal of more than half the thickness of wall base.

D. Place resilient accessories so they are butted to adjacent materials of type indicated and bond to substrates with adhesive. Install reducer strips at edges of flooring that otherwise would be exposed.

E. Install reducer strips at edges of flooring that otherwise would be exposed. All dissimilar flooring products shall receive transition strips unless otherwise noted.

3.04 CLEANING AND PROTECTION

A. Perform the following operations immediately after completing installation:
1. Remove visible adhesive and other surface blemishes using cleaner recommended by manufacturers of resilient product involved.
2. Sweep or vacuum floor thoroughly.
3. Do not wash materials until after time period recommended by manufacturer.
4. Damp-mop resilient accessories to remove black marks and soil.

B. Protect flooring against mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period. Use protection methods indicated or recommended by manufacturer of resilient product involved.

C. Clean products specified in this Section not more than 4 days prior to dates scheduled for inspections intended to establish date of Substantial Completion in each area of Project. Clean products using method recommended by manufacturer.

3.05 VINYL WALL BASE PRODUCT DATA SHEET

A. Vinyl Wall Base Designation: (RB1)

B. Style: Millwork Reveal

C. Minimum Nominal Thickness: 1/8"

D. Height: 8"

E. Lengths: Coils in lengths standard with manufacturer, but not less than 100 feet

F. Exterior Corners: Pre-molded or formed on job

G. Interior Corners: Pre-molded or formed on job

H. Ends: Pre-molded

I. Color and Pattern: 40 Black B

3.06 VINYL ACCESSORY PRODUCT DATA SHEET

A. Vinyl Accessory Designation: Resilient Edge Strips

B. Profile and Dimensions: 1/8" thick, homogeneous rubber composition, tapered or bullnose edge.

C. Color: As selected by Architect/Designer from manufacturer's full range of colors produced for rubber accessories complying with requirements indicated.

END OF SECTION

SECTION 096813 - CARPET - TILE

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. This Section includes :
   1. Modular Tufted Carpet Tile (CPT1-A)
   2. Modular Tufted Carpet Tile (CPT1-B) Alternate
   3. Modular Walk Off Carpet Tile (CPT2)

B. Sections 096500 thru 096513 and 096813 thru 096816 shall not be combined with any other bid packages. The installer must be CFI certified (C-2 level or higher). A certified person should be on the job at all times during the installation procedures.

1.02 RELATED REQUIREMENTS

A. Section 090050 - Finish Legend

B. Section 096513 - Resilient Wall Base and Accessories, for resilient wall base and accessories installed with carpet tile

1.03 REFERENCE STANDARDS

A. AISI SG02-1 - North American Specification for the Design of Cold-Formed Steel Structural Members; American Iron and Steel Institute; 2001 with 2004 supplement (replaced SG-971)

B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2013

C. ASTM C645 - Standard Specification for Nonstructural Steel Framing Members; 2014

D. ASTM C665 - Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing; 2012

E. ASTM C754 - Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products; 2011

F. ASTM C1002 - Standard Specification for Steel Self-Piercing Tapping Screws for Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs; 2014

G. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2014

H. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; 2009

I. UL (FRD) - Fire Resistance Directory; Underwriters Laboratories Inc.; current edition

1.04 SUBMITTALS

A. Product Data: For each type of product indicated, include manufacturer's written data on physical characteristics, durability, and fade resistance. Include installation recommendations for each type of substrate.

B. Shop Drawings: Show the following:
   1. Columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet tiles
   2. Carpet tile type, color, and dye lot
   3. Pattern of installation
   4. Pattern type, location, and direction
   5. Pile direction

6. Type, color, and location of edge, transition, and other accessory strips
7. Transition details to other flooring materials

C. Samples: For each of the following products and for each color and texture required, label each sample with manufacturer's name, material description, color, pattern, and designation indicated on drawings and in schedules.
1. Carpet Tile: Full-size sample
2. Exposed Edge, Transition, and other Accessory Stripping: 12-inch- (300-mm-) long samples.

D. Product Schedule: For carpet tile, use same designations indicated on drawings.

E. Qualification Data: Installer must be CFI Certified (C-2 level or higher).

F. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency.

G. Maintenance Data: For carpet tiles to include in maintenance manuals, include the following:
1. Methods for maintaining carpet tile, including cleaning and stain-removal products and procedures and manufacturer's recommended maintenance schedule
2. Precautions for cleaning materials and methods that could be detrimental to carpet tile

H. Warranty: Special warranty specified in this section.

I. Manufacturer certificate, located in the FOP, to be submitted with the bid, for the proposed carpet flooring system confirming that the carpet flooring system installer is approved to install the proposed carpet flooring system.

1.05 QUALITY ASSURANCE

A. Fire-Test-Response Characteristics: Provide products with the critical radiant flux classification indicated in Part 2, as determined by testing identical products per ASTM E 648 by an independent testing and inspecting agency acceptable to authorities having jurisdiction.

B. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 1 Section "Project Management and Coordination."

1.06 DELIVERY, STORAGE, AND HANDLING

A. Comply with CRI 104, Section 4, "Storage and Handling."

1.07 PROJECT CONDITIONS

A. Comply with CRI 104, Section 7.2, "Site Conditions; Ambient Temperature and Humidity Suitable Substrates" and Section 7.3, "Ventilation."

B. Environmental Limitations: Do not install carpet tiles until wet work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

C. Do not install carpet tiles over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet tile manufacturer.

1.08 SEQUENCING AND SCHEDULING

A. Coordinate the work with all sections referencing this section.

1.09 WARRANTY

A. When warranties are required, verify with Owner's counsel that special warranties stated in this Article are not less than remedies available to Owner under prevailing local laws. Coordinate with Division 1 Section "Product Requirements."

B. Revise paragraph and subparagraphs below if manufacturers have separate warranties for various characteristics.

C. Special Warranty for Carpet Tiles: Manufacturer's standard form in which manufacturer agrees to repair or replace components of carpet tile installation that fail in materials or workmanship within specified warranty period.
   1. Warranty does not include deterioration or failure of carpet tile due to unusual traffic, failure of substrate, vandalism, or abuse.
   2. Failures include, but are not limited to, more than 10 percent loss of face fiber, edge raveling, snags, runs, loss of tuft bind strength, dimensional stability, and delamination.
   3. Warranty Period: 10 years from date of Substantial Completion.

1.10 EXTRA MATERIALS

A. Furnish extra materials described below, before installation begins, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
   1. Carpet Tile: Full-size units equivalent to 5 percent of amount installed for each type indicated, but not less than 10 sq. yd. (8.3 sq. m)

PART 2 -PRODUCTS

2.01 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
   1. Basis of Design : Interface (CPT1) & Mannington (CPT2)
   2. Shaw
   3. Mohawk
   4. Milliken

B. Available Manufacturers: Other manufacturers proposed which meet the specific standards specified, shall submit actual samples and specifications for review to the Designer/Architect not less than seven (7) days before the bid date.

2.02 CARPET TILE (CPT1-A)

A. Products: Subject to compliance with requirements, provide the following Basis of Design selections:

B. Manufacturer: Interface

C. Style: World Woven WW895

D. Style number: 128220AK00

E. Color:103218, "Sahara Weave"

F. Fiber Content: Aquafil, 100% Recycled Content, Type 6 Nylon

G. Primary Backing: Glasbac

H. Installation: Ashlar

I. Dye Method: Solution Dyed

J. Size: **9.845" x 39.38" (25cm x 1m)**

2.03 CARPET TILE ADDITIONAL REQUIREMENTS

A. Applied Soil-Resistance Treatment: Manufacturer's standard material

B. Antimicrobial Treatment: Manufacturer's standard material

C. Performance Characteristics: As follows:

1. Colorfastness to Light:

D. Flammability, Methenamine Pill Test (DOC FF-1-70): Passes

E. Flooring Radiant Panel (ASTM E-648): Class 1

F. Smoke Density (ASTM E-662): Less than 450

G. Wearability: Lifetime Commercial Wear Warranty

H. Edge Ravel/Zippering: Lifetime Warranties

I. Backing Integrity/Delamination: Lifetime Warranties

J. Traffic Class: Heavy

K. CRI Green Label:

L. ADA Compliance: This product meets the guidelines as set forth in the Americans with Disabilities Act for minimum static coefficient of friction of 0.6 for accessible routes.

2.04 CARPET TILE (CPT1-B) Alternate

A. Products: Subject to compliance with requirements, provide the following:

B. Manufacturer: Interface

C. Collection: Knitstitch

D. Style Number: 1406002500

E. Colorway: 103341 Slate/Curry

F. Fiber Content: Tufted Pattern Loop

G. Fiber: Solution Dyed

H. Backing: Glasbac

I. Size: 50cm x 50 cm

J. Installation Pattern: Ashlar

K. Antimicrobial Treatment: Manufacturer's standard material

L. Colorway: Artfully Rusted

2.05 CARPET TILE (CPT2)

A. Products: Subject to compliance with requirements, provide the following:

B. Manufacturer: Mannington

C. Collection: Intertia

D. Colorway: Fluid

E. Fiber Content: Tufted Pattern Loop

F. Size: 18"x18"

G. Installation Pattern: Ashlar

H. Antimicrobial Treatment: Manufacturer's standard material

I. Colorway: Artfully Rusted

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet tile performance. Examine carpet tile for type, color, pattern, and potential defects.

B. Concrete Subfloors: Verify that concrete slabs comply with ASTM F 710 and the following:
   1. Slab substrates are dry and free of curing compounds, sealers, hardeners, and other materials that may interfere with adhesive bond. Determine adhesion and dryness characteristics by performing bond and moisture tests recommended by carpet tile manufacturer.
   2. Subfloor finishes comply with requirements specified in Division 3 Section "Cast-in-Place Concrete" for slabs receiving carpet tile.
   3. Subfloors are free of cracks, ridges, depressions, scale, and foreign deposits.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. General: Comply with CRI 104, Section 7.0 "Site Conditions" and to Section 8.0 "Substrate Preparation" and with carpet tile manufacturer's written installation instructions for preparing substrates indicated to receive carpet tile installation.

B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch (3 mm) wide or wider and protrusions more than 1/32 inch (0.8 mm), unless more stringent requirements are required by manufacturer's written instructions.

C. Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by carpet tile manufacturer.

D. Broom and vacuum clean substrates to be covered immediately before installing carpet tile.

3.03 INSTALLATION

A. General: Comply with CRI 104, Section 10 "Carpet Tile" and with carpet tile manufacturer's written installation instructions.

B. Installation method, Ashlar.arpet

C. Maintain dye lot integrity. Do not mix dye lots in same area.

D. Cut and fit carpet tile to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet tile manufacturer.

E. Extend carpet tile into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.

F. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on finish flooring as marked on subfloor. Use nonpermanent, nonstaining marking device.

G. Install pattern parallel to walls and borders.

3.04 CLEANING AND PROTECTION

A. Perform the following operations immediately after installing carpet tile:
   1. Remove excess adhesive, seam sealer, and other surface blemishes using cleaner recommended by carpet tile manufacturer.

2. Remove yarns that protrude from carpet tile surface.
3. Vacuum carpet tile using commercial machine with face-beater element.

B. Protect installed carpet tile to comply with CRI 104, Section 11, "Post Installation".

C. Protect carpet tile against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet tile manufacturer.

END OF SECTION

SECTION 262416 - PANELBOARDS

PART 1 GENERAL

1.01 SECTION INCLUDES

A Lighting and appliance panelboards.

B Overcurrent protective devices for panelboards.

1.02 RELATED REQUIREMENTS

A Section 260526 - Grounding and Bonding for Electrical Systems.

B Section 260529 - Hangers and Supports for Electrical Systems.

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

1.03 REFERENCE STANDARDS

A FS W-C-375 - Circuit Breakers, Molded Case; Branch Circuit and Service; 2013e, with Amendments (2022).

B NECA 1 - Standard for Good Workmanship in Electrical Construction; 2023.

C NECA 407 - Standard for Installing and Maintaining Panelboards; 2015.

D NEMA EN 10250 - Enclosures for Electrical Equipment (1000 Volts Maximum); 2024.

E NEMA ICS 2 - Industrial Control and Systems Controllers, Contactors and Overload Relays Rated 600 Volts; 2008 (Reaffirmed 2020).

F NEMA PB 1 - Panelboards; 2011.

G NEMA PB 1.1 - General Instructions for Proper Installation, Operation and Maintenance of Panelboards Rated 1000V or Less; 2023.

H NETA ATS - Standard for Acceptance Testing Specifications for Electrical Power Equipment And Systems; 2025.

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

J UL 50 - Enclosures for Electrical Equipment, Non-Environmental Considerations; Current Edition, Including All Revisions.

K UL 50E - Enclosures for Electrical Equipment, Environmental Considerations; Current Edition, Including All Revisions.

L UL 67 - Panelboards; Current Edition, Including All Revisions.

M UL 489 - Molded-Case Circuit Breakers, Molded-Case Switches and Circuit Breaker Enclosures; Current Edition, Including All Revisions.

N UL 943 - Ground-Fault Circuit-Interrupters; Current Edition, Including All Revisions.

O UL 1053 - Ground-Fault Sensing and Relaying Equipment; Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS

A Coordination:
1. Coordinate the work with other trades to avoid placement of ductwork, piping, equipment, or other potential obstructions within the dedicated equipment spaces and working clearances for electrical equipment required by NFPA 70.
2. Coordinate arrangement of electrical equipment with the dimensions and clearance requirements of the actual equipment to be installed.
3. Coordinate the work with other trades to provide walls suitable for installation of flush-mounted panelboards where indicated.
4. Verify with manufacturer that conductor terminations are suitable for use with the conductors to be installed.
5. Notify Architect of any conflicts with or deviations from Contract Documents. Obtain direction before proceeding with work.

1.05 SUBMITTALS

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

B Product Data: Provide manufacturer's standard catalog pages and data sheets for panelboards, enclosures, overcurrent protective devices, and other installed components and accessories.

C Shop Drawings: Indicate outline and support point dimensions, voltage, main bus ampacity, overcurrent protective device arrangement and sizes, short circuit current ratings, conduit entry locations, conductor terminal information, and installed features and accessories.

1.06 QUALITY ASSURANCE

A Comply with requirements of NFPA 70.

1.07 DELIVERY, STORAGE, AND HANDLING

A Receive, inspect, handle, and store panelboards in accordance with manufacturer's instructions and NECA 407.

B Store in a clean, dry space. Maintain factory wrapping or provide an additional heavy canvas or heavy plastic cover to protect units from dirt, water, construction debris, and traffic.

C Handle carefully in accordance with manufacturer's written instructions to avoid damage to panelboard internal components, enclosure, and finish.

1.08 FIELD CONDITIONS

A Maintain ambient temperature within the following limits during and after installation of panelboards:
1. Panelboards Containing Circuit Breakers: Between 23 degrees F (-5 degrees C) and 104 degrees F (40 degrees C).

PART 2 PRODUCTS

2.01 MANUFACTURERS

A ABB: www.electrification.us.abb.com.

B Eaton Corporation: www.eaton.com.

C Schneider Electric: www.se.com.

D Siemens Industry, Inc: www.new.siemens.com.

2.02 PANELBOARDS - GENERAL REQUIREMENTS

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

B Unless otherwise indicated, provide products suitable for continuous operation under the following service conditions:
1. Altitude: Less than 6,600 feet (2,000 m).
2. Ambient Temperature:
   a. Panelboards Containing Circuit Breakers: Between 23 degrees F (-5 degrees C) and 104 degrees F (40 degrees C).
   b. Panelboards Containing Fusible Switches: Between -22 degrees F (-30 degrees C) and 104 degrees F (40 degrees C).

C Short Circuit Current Rating: to match the existing.

D Mains: Configure for top or bottom incoming feed as indicated or as required for the installation.

E Branch Overcurrent Protective Devices: Replaceable without disturbing adjacent devices.

F Bussing: Sized in accordance with UL 67 temperature rise requirements.
1. Provide fully rated neutral bus unless otherwise indicated, with a suitable lug for each feeder or branch circuit requiring a neutral connection.

2. Provide solidly bonded equipment ground bus in each panelboard, with a suitable lug for each feeder and branch circuit equipment grounding conductor.
3. Provide separate isolated/insulated ground bus where indicated or where isolated grounding conductors are provided.

G Conductor Terminations: Suitable for use with the conductors to be installed.

H Enclosures: Comply with NEMA EN 10250, and list and label as complying with UL 50 and UL 50E.
1. Environment Type per NEMA EN 10250: Unless otherwise indicated, as specified for the following installation locations:
   a. Indoor Clean, Dry Locations: Type 1.
2. Boxes: Galvanized steel unless otherwise indicated.
   a. Provide wiring gutters sized to accommodate the conductors to be installed.
   b. Increase gutter space as required where sub-feed lugs, feed-through lugs, gutter taps, or oversized lugs are provided.
   c. Provide painted steel boxes for surface-mounted panelboards where indicated, finish to match fronts.
3. Fronts:
   a. Fronts for Surface-Mounted Enclosures: Same dimensions as boxes.
   b. Finish for Painted Steel Fronts: Manufacturer's standard grey unless otherwise indicated.
4. Lockable Doors: All locks keyed alike unless otherwise indicated.

I Future Provisions: Prepare all unused spaces for future installation of devices including bussing, connectors, mounting hardware and all other required provisions.

J Panelboard Contactors: Where panelboard contactors are indicated, provide electrically operated, mechanically held magnetic contactor complying with NEMA ICS 2.
1. Ampere Rating: Not less than ampere rating of panelboard bus.
2. Short Circuit Current Rating: Not less than the panelboard short circuit current rating.
3. Coil Voltage: As required for connection to control system indicated.

K Ground Fault Protection: Where ground-fault protection is indicated, provide system listed and labeled as complying with UL 1053.
1. Where electronic circuit breakers equipped with integral ground fault protection are used, provide separate neutral current sensor where applicable.
2. Where accessory ground fault sensing and relaying equipment is used, equip companion overcurrent protective devices with ground-fault shunt trips.
   a. Use zero sequence ground fault detection method unless otherwise indicated.
   b. Provide test panel and field-adjustable ground fault pick-up and delay settings.

L Selectivity: Where the requirement for selectivity is indicated, furnish products as required to achieve selective coordination.

M Load centers are not acceptable.

2.03 LIGHTING AND APPLIANCE PANELBOARDS

A Description: Panelboards complying with NEMA PB 1, lighting and appliance branch circuit type, circuit breaker type, and listed and labeled as complying with UL 67; ratings, configurations and features as indicated on the drawings.

B Conductor Terminations:
1. Main and Neutral Lug Material: Aluminum, suitable for terminating aluminum or copper conductors.
2. Main and Neutral Lug Type: Mechanical.

C Bussing:
1. Phase Bus Connections: Arranged for sequential phasing of overcurrent protective devices.
2. Phase and Neutral Bus Material: Copper.
3. Ground Bus Material: Copper.

D Circuit Breakers: Thermal magnetic bolt-on type unless otherwise indicated.

E Enclosures:
1. Provide surface-mounted enclosures as indicated.
2. Fronts: Provide lockable hinged door with concealed hinges for access to overcurrent protective device handles without exposing live parts.
3. Provide clear plastic circuit directory holder mounted on inside of door.

2.04 OVERCURRENT PROTECTIVE DEVICES

A Molded Case Circuit Breakers:
1. Description: Quick-make, quick-break, over center toggle, trip-free, trip-indicating circuit breakers listed and labeled as complying with UL 489, and complying with FS W-C-375 where applicable; ratings, configurations, and features as indicated on the drawings.
2. Interrupting Capacity:
   a. Provide circuit breakers with interrupting capacity as required to provide the short circuit current rating indicated, but not less than:
      1) 10,000 rms symmetrical amperes at 240 VAC or 208 VAC.
      2) 14,000 rms symmetrical amperes at 480 VAC.
   b. Fully Rated Systems: Provide circuit breakers with interrupting capacity not less than the short circuit current rating indicated.
3. Conductor Terminations:
   a. Provide mechanical lugs unless otherwise indicated.
   b. Provide compression lugs where indicated.
   c. Lug Material: Aluminum, suitable for terminating aluminum or copper conductors.
4. Thermal Magnetic Circuit Breakers: For each pole, furnish thermal inverse time tripping element for overload protection and magnetic instantaneous tripping element for short circuit protection.
   a. Provide field-adjustable magnetic instantaneous trip setting for circuit breaker frame sizes 225 amperes and larger.
   b. Provide interchangeable trip units where indicated.
5. Electronic Trip Circuit Breakers: Furnish solid state, microprocessor-based, true rms sensing trip units.

a. Provide the following field-adjustable trip response settings:
   1) Long time pickup, adjustable by replacing interchangeable trip unit or by setting dial.
   2) Long time delay.
   3) Short time pickup and delay.
   4) Instantaneous pickup.
   5) Ground fault pickup and delay where ground fault protection is indicated.

6. Multi-Pole Circuit Breakers: Furnish with common trip for all poles.
7. Provide the following circuit breaker types where indicated:
   a. Ground Fault Circuit Interrupter (GFCI) Circuit Breakers: Listed as complying with UL 943, class A for protection of personnel.
   b. Ground Fault Equipment Protection Circuit Breakers: Designed to trip at 30 mA for protection of equipment.
   c. 100 Percent Rated Circuit Breakers: Listed for application within the panelboard where installed at 100 percent of the continuous current rating.
8. Do not use tandem circuit breakers.
9. Do not use handle ties in lieu of multi-pole circuit breakers.
10. Provide multi-pole circuit breakers for multi-wire branch circuits as required by NFPA 70.
11. Provide the following features and accessories where indicated or where required to complete installation:
    a. Shunt Trip: Provide coil voltage as required for connection to indicated trip actuator.
    b. Handle Pad-Lock Provision: For locking circuit breaker handle in OFF position.

2.05 SOURCE QUALITY CONTROL

A Factory test panelboards according to NEMA PB 1.

PART 3 EXECUTION

3.01 EXAMINATION

A Verify that field measurements are as indicated.

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

C Verify that mounting surfaces are ready to receive panelboards.

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

3.02 INSTALLATION

A Perform work in accordance with NECA 1 (general workmanship).

B Install products in accordance with manufacturer's instructions.

C Install panelboards in accordance with NECA 407 and NEMA PB 1.1.

D Arrange equipment to provide minimum clearances in accordance with manufacturer's instructions and NFPA 70.

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

F Install panelboards plumb.

G Mount panelboards such that the highest position of any operating handle for circuit breakers or switches does not exceed 79 inches (2000 mm) above the floor or working platform.

H Provide grounding and bonding in accordance with Section 260526.
1. Terminate branch circuit equipment grounding conductors on solidly bonded equipment ground bus only. Do not terminate on isolated/insulated ground bus.
2. Terminate branch circuit isolated grounding conductors on isolated/insulated ground bus only. Do not terminate on solidly bonded equipment ground bus.

I Install all field-installed branch devices, components, and accessories.

J Multi-Wire Branch Circuits: Group grounded and ungrounded conductors together in the panelboard as required by NFPA 70.

K Set field-adjustable circuit breaker tripping function settings as determined by overcurrent protective device coordination study performed according to Section 260573.

L Set field-adjustable ground fault protection pickup and time delay settings as indicated.

M Provide filler plates to cover unused spaces in panelboards.

3.03 FIELD QUALITY CONTROL

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

B Inspect and test in accordance with NETA ATS, except Section 4.

C Ground Fault Protection Systems: Test in accordance with manufacturer's instructions as required by NFPA 70.

D Test GFCI circuit breakers to verify proper operation.

E Test shunt trips to verify proper operation.

F Correct deficiencies and replace damaged or defective panelboards or associated components.

3.04 ADJUSTING

A Adjust tightness of mechanical and electrical connections to manufacturer's recommended torque settings.

B Adjust alignment of panelboard fronts.

C Load Balancing: For each panelboard, rearrange circuits such that the difference between each measured steady state phase load does not exceed 20 percent and adjust circuit directories accordingly. Maintain proper phasing for multi-wire branch circuits.

3.05 CLEANING

A Clean dirt and debris from panelboard enclosures and components according to manufacturer's instructions.

B Repair scratched or marred exterior surfaces to match original factory finish.

END OF SECTION

SECTION 262726 - WIRING DEVICES

PART 1 GENERAL

1.01 SECTION INCLUDES

A Wall switches.

B Wall dimmers.

C Receptacles.

D Wall plates and covers.

1.02 RELATED REQUIREMENTS

A Section 260519 - Low-Voltage Electrical Power Conductors and Cables: Manufactured wiring systems for use with access floor boxes with compatible pre-wired connectors.

B Section 260526 - Grounding and Bonding for Electrical Systems.

C Section 260533.16 - Boxes for Electrical Systems.

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

1.03 REFERENCE STANDARDS

A FS W-C-596 - Connector, Electrical, Power, General Specification for; 2014h (Validated 2022).

B FS W-S-896 - Switches, Toggle (Toggle and Lock), Flush Mounted (General Specification); 2017g (Validated 2023).

C NECA 1 - Standard for Good Workmanship in Electrical Construction; 2023.

D NECA 130 - Standard for Installing and Maintaining Wiring Devices; 2016.

E NEMA WD 1 - General Color Requirements for Wiring Devices; 1999 (Reaffirmed 2020).

F NEMA WD 6 - Wiring Devices - Dimensional Specifications; 2021.

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

H UL 20 - General-Use Snap Switches; Current Edition, Including All Revisions.

I UL 498 - Attachment Plugs and Receptacles; Current Edition, Including All Revisions.

J UL 514D - Cover Plates for Flush-Mounted Wiring Devices; Current Edition, Including All Revisions.

K UL 943 - Ground-Fault Circuit-Interrupters; Current Edition, Including All Revisions.

L UL 1310 - Class 2 Power Units; Current Edition, Including All Revisions.

M UL 1472 - Solid-State Dimming Controls; Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS

A Coordination:
1. Coordinate the placement of outlet boxes with millwork, furniture, equipment, etc. installed under other sections or by others.
2. Coordinate wiring device ratings and configurations with the electrical requirements of actual equipment to be installed.
3. Coordinate the placement of outlet boxes for wall switches with actual installed door swings.
4. Coordinate the installation and preparation of uneven surfaces, such as split face block, to provide suitable surface for installation of wiring devices.
5. Notify Architect of any conflicts or deviations from Contract Documents to obtain direction prior to proceeding with work.

B Sequencing:
1. Do not install wiring devices until final surface finishes and painting are complete.

1.05 SUBMITTALS

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

B Before Installation (Submit as a single package):
1. Product Data: Provide manufacturer's catalog information showing dimensions, colors, and configurations.

1.06 QUALITY ASSURANCE

A Comply with requirements of NFPA 70.

B Products: Listed, classified, and labeled as suitable for the purpose intended.

1.07 DELIVERY, STORAGE, AND PROTECTION

A Store in a clean, dry space in original manufacturer's packaging until ready for installation.

PART 2 PRODUCTS

2.01 WIRING DEVICES - GENERAL REQUIREMENTS

A Provide wiring devices suitable for intended use with ratings adequate for load served.

B Except where explicitly permitted, substitution of combination switch-and-receptacle devices for separate switches and receptacles is not permitted.

C Wiring Device Applications:
1. Provide GFCI protection for:
    a. Receptacles installed within 6 feet (1.8 m) of sinks.

D Wiring Device Finishes:
1. Provide wiring device finishes as described below, unless otherwise indicated.
2. Wiring Devices, Unless Otherwise Indicated: Gray with stainless steel wall plate.

2.02 WALL SWITCHES

A Manufacturers:
1. Hubbell Incorporated: www.hubbell.com
2. Cooper/Eaton: www.cooperindustries.com
3. Leviton Manufacturing Company, Inc: www.leviton.com

B Wall Switches - General Requirements: AC only, quiet operating, general-use snap switches with silver alloy contacts, complying with NEMA WD 1 and NEMA WD 6, and listed as complying with UL 20 and where applicable, FS W-S-896; types as indicated on the drawings.
1. Wiring Provisions: Terminal screws for side wiring and screw actuated binding clamp for back wiring with separate ground terminal screw.

2.03 WALL DIMMERS

A Manufacturers:
1. Leviton Manufacturing Company, Inc: www.leviton.com.
2. Pass & Seymour, a brand of Legrand North America, Inc: www.legrand.us

B Wall Dimmers - General Requirements: Solid-state with continuous full-range even control following square law dimming curve, integral radio frequency interference filtering, power failure preset memory, air gap switch accessible without removing wall plate, complying with NEMA WD 1 and NEMA WD 6, and listed as complying with UL 1472; types and ratings suitable for load controlled as indicated on the drawings.

2.04 RECEPTACLES

A Manufacturers:
1. Hubbell Incorporated: www.hubbell.com

2. Leviton Manufacturing Company, Inc: www.leviton.com.
3. Lutron Electronics Company, Inc; Designer Style: www.lutron.com

B Receptacles - General Requirements: Self-grounding, complying with NEMA WD 1 and NEMA WD 6, and listed as complying with UL 498, and where applicable, FS W-C-596; types as indicated on the drawings.
1. Wiring Provisions: Terminal screws for side wiring or screw actuated binding clamp for back wiring with separate ground terminal screw.
2. NEMA configurations specified are according to NEMA WD 6.
3. Convenience Receptacles:
   a. Standard Convenience Receptacles: Industrial specification grade, 20A, 125V, NEMA 5-20R; single or duplex as indicated on the drawings.
   b. Tamper Resistant Convenience Receptacles: Industrial specification grade, 20A, 125V, NEMA 5-20R, listed and labeled as tamper resistant type; single or duplex for any receptacle at 18" AFF.
4. GFCI Receptacles:
   a. GFCI Receptacles - General Requirements: Self-testing, with feed-through protection and light to indicate ground fault tripped condition and loss of protection; listed as complying with UL 943, class A.
      1) Provide test and reset buttons of same color as device.
   b. Standard GFCI Receptacles: Industrial specification grade, duplex, 20A, 125V, NEMA 5-20R, rectangular decorator style.
5. USB Charging Devices:
   a. USB Charging Devices - General Requirements: Listed as complying with UL 1310.
      1) Charging Capacity - Two-Port Devices: 5.0 A, minimum for each USB port.
   b. USB Charging/Tamper Resistant Receptacle Combination Devices: Two-port (One Type A, One Type C) USB charging device and receptacle, commercial specification grade, duplex, 20A, 125V, NEMA 5-20R, listed and labeled as tamper resistant type; rectangular decorator style.

2.05 WALL PLATES AND COVERS

A Wall Plates: Comply with UL 514D.
1. Configuration: One piece cover as required for quantity and types of corresponding wiring devices.
2. Size: Standard.
3. Screws: Metal with slotted heads finished to match wall plate finish.

B Stainless Steel Wall Plates: Brushed satin finish, Type 302 stainless steel.

PART 3 EXECUTION

3.01 EXAMINATION

A Verify that field measurements are as indicated.

B Verify that outlet boxes are installed in proper locations and at proper mounting heights and are properly sized to accommodate devices and conductors in accordance with NFPA 70.

C Verify that wall openings are neatly cut and will be completely covered by wall plates.

D Verify that final surface finishes are complete, including painting.

E Verify that branch circuit wiring installation is completed, tested, and ready for connection to wiring devices.

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

3.02 PREPARATION

A Provide extension rings to bring outlet boxes flush with finished surface. Provide extension rings as required for deeper wall surfaces/finishes/veneers or walls installed with plywood on top of surface.

B Clean dirt, debris, plaster, and other foreign materials from outlet boxes.

3.03 INSTALLATION

A Perform work in accordance with NECA 1 (general workmanship) and, where applicable, NECA 130, including mounting heights specified in those standards unless otherwise indicated.

B Coordinate locations of outlet boxes provided under Section 260533.16 as required for installation of wiring devices provided under this section.

1. Mounting Heights: Unless otherwise indicated, as follows:
    a. Wall Switches: 48 inches (1200 mm) above finished floor.
    b. Wall Dimmers: 48 inches (1200 mm) above finished floor.
    c. Receptacles: 18 inches (450 mm) above finished floor or 4 inches (100 mm) above top of backsplash.
2. Orient outlet boxes for vertical installation of wiring devices unless otherwise indicated.
3. Where multiple receptacles, wall switches, wall dimmers, or other lighting controls are installed at the same location and at the same mounting height, gang devices together under a common wall plate.
4. Locate wall switches on strike side of door with edge of wall plate 3 inches (80 mm) from edge of door frame. Where locations are indicated otherwise, notify Architect to obtain direction prior to proceeding with work.
5. Locate receptacles for electric drinking fountains concealed behind drinking fountain according to manufacturer's instructions.

C Install wiring devices in accordance with manufacturer's instructions.

D Install permanent barrier between ganged wiring devices when voltage between adjacent devices exceeds 300 V.

E Where required, connect wiring devices using pigtails not less than 6 inches (150 mm) long. Do not connect more than one conductor to wiring device terminals.

F Connect wiring devices by wrapping conductor clockwise 3/4 turn around screw terminal and tightening to proper torque specified by the manufacturer. Where present, do not use push-in pressure terminals that do not rely on screw-actuated binding.

G Unless otherwise indicated, connect wiring device grounding terminal to branch circuit equipment grounding conductor and to outlet box with bonding jumper.

H Provide GFCI receptacles with integral GFCI protection at each location indicated. Do not use feed-through wiring to protect downstream devices.

I Install wiring devices plumb and level with wall plate. Mounting yoke shall be held rigidly in place.

J Grout or caulk as required for watertight seal on weatherproof coverplates.

K Install wall switches with OFF position down.

L Install wall dimmers to achieve full rating specified and indicated after derating for ganging as instructed by manufacturer.

M Install wall plates to fit completely flush to wall with no gaps and rough opening completely covered without strain on wall plate. Repair or reinstall improperly installed outlet boxes or improperly sized rough openings. Do not use oversized wall plates in lieu of meeting this requirement.

N Install blank wall plates on junction boxes and on outlet boxes with no wiring devices installed or designated for future use.

O Identify wiring devices in accordance with Section 260553.

3.04 FIELD QUALITY CONTROL

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

B Inspect each wiring device for damage and defects.

C Operate each wall switch with circuit energized to verify proper operation.

D Test each receptacle to verify operation and proper polarity.

E Test each GFCI receptacle for proper tripping operation according to manufacturer's instructions.

F Correct wiring deficiencies and replace damaged or defective wiring devices.

3.05 ADJUSTING

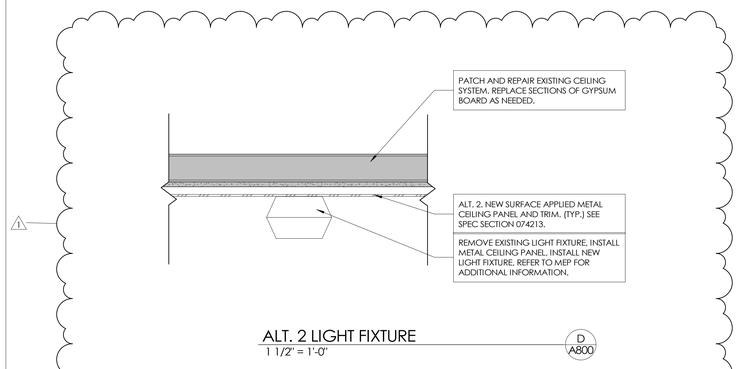
A Adjust devices and wall plates to be flush and level.

B Adjust presets for wall dimmers according to manufacturer's instructions as directed by Architect.

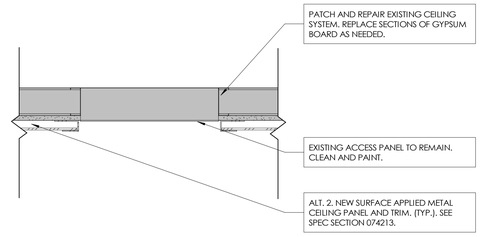
3.06 CLEANING

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

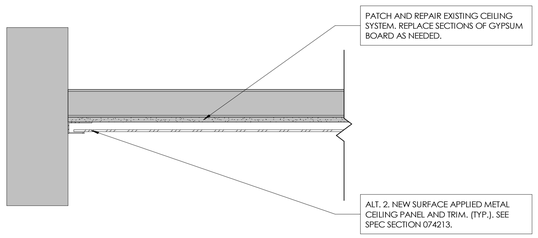
END OF SECTION



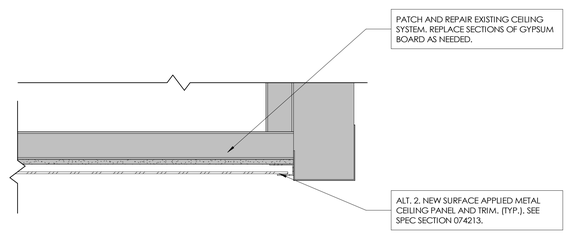
ALT. 2 LIGHT FIXTURE
1 1/2" = 1'-0"
D / A800



ALT. 2 EXISTING ACCESS HATCH
1 1/2" = 1'-0"
C / A800



ALT. 2 EXISTING INNER PERIMETER
1 1/2" = 1'-0"
B / A800



ALT. 2 EXISTING GUTTER PERIMETER
1 1/2" = 1'-0"
A / A800

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ARCHITECT

ALTERNATES

KROGER FIELD - SUITE RENOVATION
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UK# 3186.0

Project No: 25041
Drawn By: AS
Rev'd By: GH/DS

ISSUED FOR:

REVISIONS

#	DATE	DESCRIPTION
1	01/09/2026	ADDENDUM #1

A800

ALTERNATES

DATE ISSUED:
12/08/25

ADDENDUM

Date: 01/09/2026
Project: UK Kroger Field Suites Renovation

KFI Project Number: 25-0926.00

Addendum Number: Final

THIS ADDENDUM IS A CONTRACT DOCUMENT AND MAY APPLY TO ANY OR ALL CONTRACTS AND SUBCONTRACTS UNLESS OTHERWISE SPECIFIED HEREIN OR SHOWN ON THE ATTACHED DRAWINGS (IF ANY). ALL WORK REQUIRED BY THIS ADDENDUM SHALL BE IN COMPLETE ACCORD WITH THE CONTRACT DOCUMENTS AND SUBSEQUENT ADDENDA THERETO. THE ITEMS LISTED IN THIS ADDENDUM ARE NOT IN ANY ORDER IN REGARD TO THE DRAWINGS OR THE SPECIFICATIONS. ALL CONTRACTORS ARE CAUTIONED TO EXAMINE EACH AND EVERY ITEM OF THIS ADDENDUM.

THE FOLLOWING CHANGES OR CLARIFICATIONS TO THE PLANS & SPECIFICATIONS SHALL BE INCLUDED AS PART OF THE CONTRACT DOCUMENT

SPECIFICATION CHANGES:

1. **Section Number: N/A**

PLAN SHEET CHANGES:

2. **Sheet M301 – ENLARGED TYPICAL HVAC PLANS**
    a. Add SUITE MECHANICAL NOTES at top of sheet.
    b. Add DUCTWORK PROTECTION DURING CONSTRUCTION DETAIL.
    c. GRILLES, REGISTERS, AND DIFFUSERS SCHEDULE:
        i. Revise REMARKS for R1 and E1.
        ii. Revise Remark #7 to read: “ADJUSTABLE LINEAR SLOT DIFFUSER, ICE TONG PATTERN CONTROLLER, WITH INSULATED PLENUM BOX. WITH ALUMINUM MILLED FINISH. RECONNECT TO EXISTING DUCTWORK, MATCH EXISTING DUCTWORK SIZE. COORDINATE WITH ELECTRICAL LIGHTING DRAWINGS AND CENTER LINEAR SLOT DIFFUSER WITH LIGHTING FIXTURES. DIFFUSER SHALL BE 4" WIDE, IN HARD CEILING IN FRONT OF NEW LIGHTING FIXTURES, WITH OUTER EDGE MINIMUM 4" BACK FROM EDGE OF SOFFIT. REFER TO ARCH. PLANS TO AVOID RUNNER AT EDGE OF SOFFIT. ADJUST AIRFLOW TOWARD ROOM.
    d. Revise Key Notes 1 – 4 to clarify accessible ceiling.
    e. Revise Key Note 7 to read: “FIELD-VERIFY EXACT LOCATION OF EXISTING DUCT-MOUNTED DIFFERENTIAL PRESSURE SENSOR. PROVIDE ACCESS PANEL IN HARD CEILING WHERE SENSOR IS NOT SUFFICIENTLY CLOSE TO VAV BOX FOR MAINTENANCE ACCESS TO BE SHARED. VERIFY IN EACH SUITE. COORDINATE WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN FOR ACCESS PANEL LOCATION AND SPECIFICATION.”
    f. Add new thermostat in each room with Key Note 9 to read: “NEW THERMOSTAT COMPATIBLE WITH EXISTING CONTROLS: REMOVE EXISTING THERMOSTAT AND REPLACE IN SAME LOCATION. MATCH HEIGHT OF EXISTING THERMOSTAT. RECONNECT TO EXISTING POWER AND CONTROLS AS REQUIRED. COORDINATE SWITCHOVER AND VERIFY PROPER OPERATION WITH UNIVERSITY OF KENTUCKY CONTROLS.”

g. Shift S-2 diffusers back 4” from edge of soffit to reflect revision to Remark #7 in GRD Schedule.

3. **Sheet ED105 - ENLARGED TYPICAL ELECTRICAL DEMOLITION PLANS – SUITES**
   a. sheet added.

4. **Sheet ED106 - ED106 - ELECTRICAL DEMOLITION PLANS – LOBBIES**
   a. sheet added.

5. **Sheet E302 - ENLARGED TYPICAL POWER PLANS – SUITES**
   a. Removed receptacle in casework

6. **Sheet E402 - ENLARGED TYPICAL TECHNOLOGY PLANS – SUITES**
   a. Removed junction box and amplifier from casework, see drawing.

7. **Sheet E601 – ELECTRICAL SCHEDULES**
   a. Luminaire Schedule changed LF1 fixture to Modern Forms FM-W44806 series fixture.

END OF ADDENDUM

GRILLES, REGISTERS, AND DIFFUSERS SCHEDULE

MARK	MANUFACTURER	MODEL #	MOUNTING	NECK SIZE (IN.)	MODULE SIZE (IN.)	MAXIMUM CFM	MAXIMUM NC	THROW	AIR PATTERN	REMARKS
S1	PRICE	SPD	CEILING	10"	24x24	325	< 10	3-5-9	PLAQUE	1, 2, 3, 5, 11
S2	PRICE	TBD3100	2X1" SLOTS	10"	4FT	250	< 15	8-12-24	SLOT	2, 3, 5, 6, 7
R1	PRICE	530	CEILING	22 x 22	24x24	933	<10	-	RETURN	5, 6
E1	TITUS	530	CEILING	22 x 22	SEE REMARKS	933	<10	-	EXHAUST	3, 5, 8, 9, 10

REMARKS:

1. FURNISH WITH WHITE FINISH. ALIGN WITH CEILING GRID.
2. THROW BASED ON 150-100-50 FPM VELOCITIES.
3. INSTALL WITH OPPOSED BLADE DAMPER ADJUSTABLE WITH SCREWDRIVER THROUGH FACE OF GRILLE.
4. 3/4" SPACING WITH 35°-45° DEFLECTION.
5. ALUMINUM CONSTRUCTION.
6. COORDINATE FINISH WITH ARCHITECT
7. ADJUSTABLE LINEAR SLOT DIFFUSER, ICE TONG PATTERN CONTROLLER, WITH INSULATED PLENUM BOX. WITH ALUMINUM MILLED FINISH. RECONNECT TO EXISTING DUCTWORK, MATCH EXISTING DUCTWORK SIZE. COORDINATE WITH ELECTRICAL LIGHTING DRAWINGS AND CENTER LINEAR SLOT DIFFUSER WITH LIGHTING FIXTURES. DIFFUSER SHALL BE 4" WIDE, IN HARD CEILING IN FRONT OF NEW LIGHTING FIXTURES, WITH OUTER EDGE MINIMUM 4" BACK FROM EDGE OF SOFFIT. REFER TO ARCH. PLANS TO AVOID RUNNER AT EDGE OF SOFFIT. ADJUST AIRFLOW TOWARD ROOM.
8. FURNISH WITH BLACK FINISH.
9. FIELD VERIFY AND MATCH EXISTING.
10. EXISTING BATHROOM EXHAUST GRILLE TO BE REPLACED IN EXISTING LOCATION. NEW SHALL MATCH SIZE OF EXISTING. COORDINATE WITH ELECTRICAL LIGHTING, FIRE PROTECTION, AND ARCHITECTURAL DRAWINGS TO ENSURE ALIGNMENT WITH NEW CEILING GRID AND WITH LIGHTS AND SPRINKLER HEADS.
11. INSTALL NEW DIFFUSER WITH MINIMAL AMOUNT OF RELOCATION NEEDED TO ALIGN TO CEILING GRID. COORDINATE WITH ARCHITECTURAL, ELECTRICAL LIGHTING, AND FIRE PROTECTION DRAWINGS TO AVOID LIGHTING AND SPRINKLER HEADS.

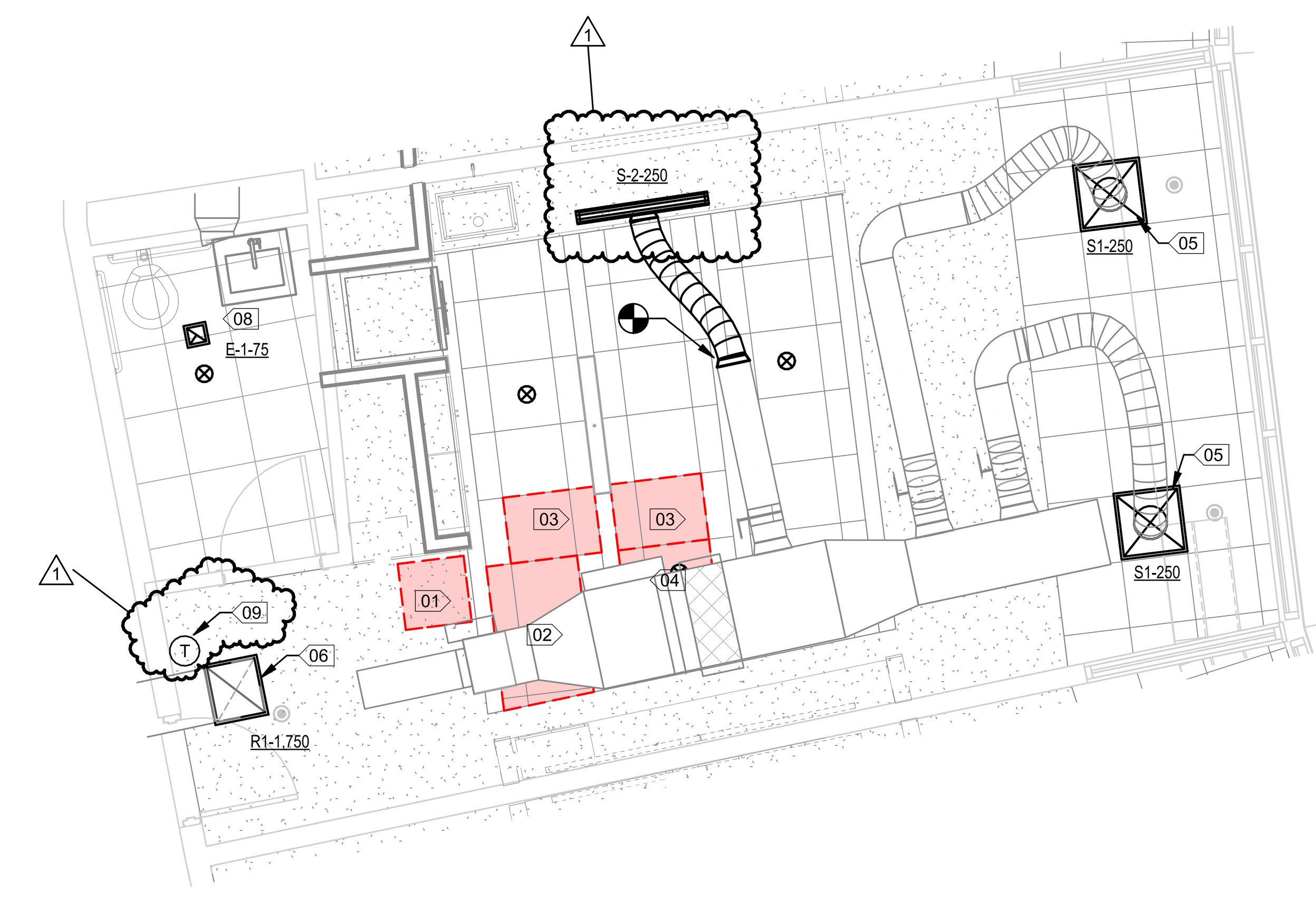
SUITE MECHANICAL NOTES - TYPICAL IN ALL SUITES:

1. SUPPORT NEW FLEXIBLE DUCTWORK AS REQUIRED FOR SECURE INSTALLATION AND TO PREVENT SAGGING.
2. PAINT INSIDE OF NEW PLENUM BOXES BLACK TO PREVENT SEEING THROUGH GRILLE.

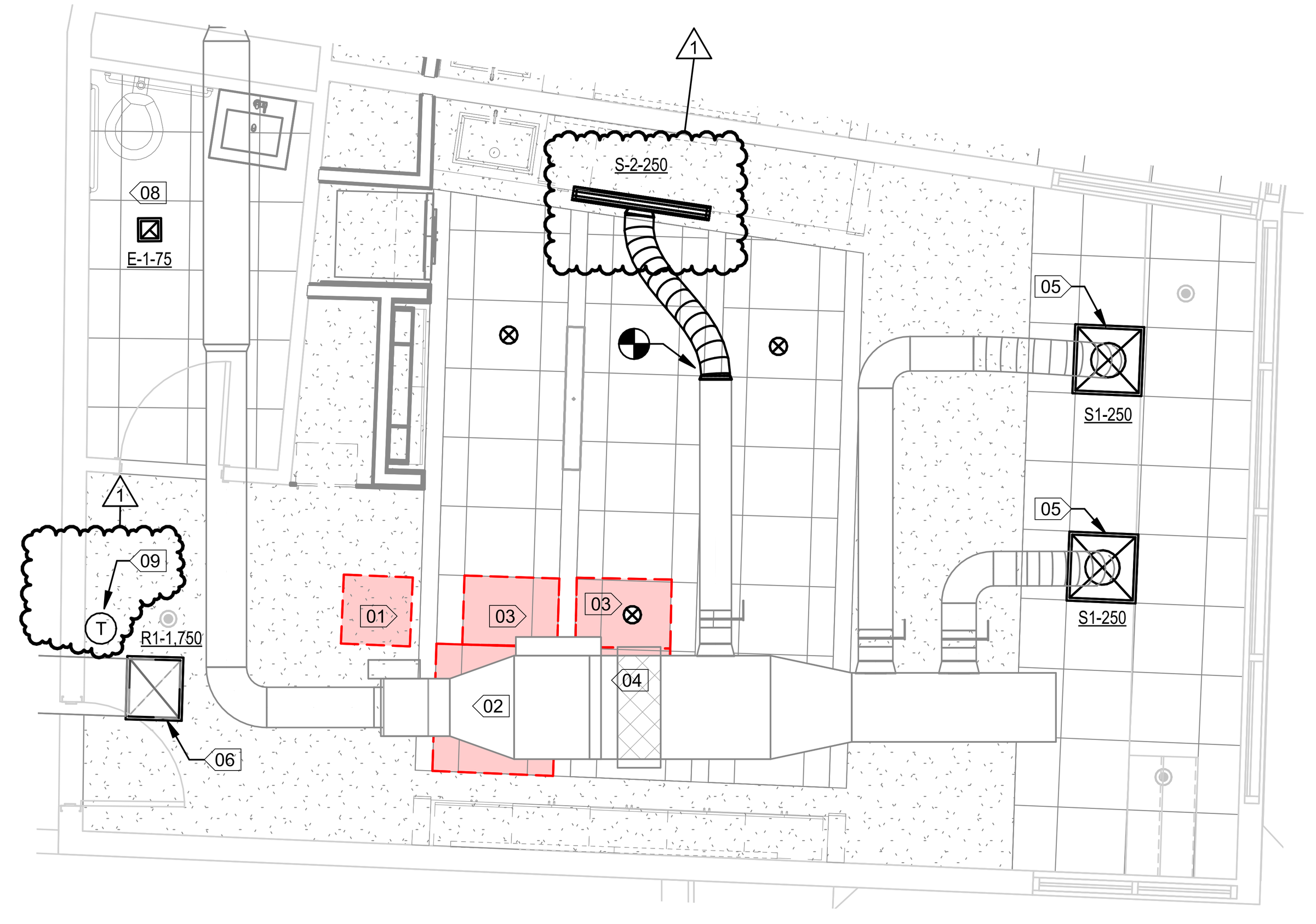
KEY NOTES - M301

#	KEY NOTE
01	VAV ACCESS - REFER TO ARCHITECTURAL PLANS FOR NEW CEILING PANEL.
02	ACCESS AREA ABOVE CEILING FOR VAV BOX CONTROLS. DUCT-MOUNTED REHEAT COIL IS ELECTRIC (NO ACCESS DOORS REQUIRED FOR COIL CLEANING).
03	ACCESS AREA ABOVE CEILING FOR DUCT HEATER CONTROLS AND ELECTRICAL ENCLOSURE. REFER TO ARCHITECTURAL PLANS FOR ACCESSIBLE 2X2 CEILING.
04	ACCESS AREA FOR REMOVAL/REPLACEMENT OF DUCT HEATER (DIRECTLY BELOW UNIT) - REFER TO ARCHITECTURAL PLANS FOR ACCESSIBLE 2X2 CEILING.
05	REPLACE EXISTING SUPPLY DIFFUSER WITH NEW (1-FOR-1 REPLACEMENT). FIELD-VERIFY CONDITION OF EXISTING FLEX DUCT AND REPLACE ALL DAMAGED FLEX DUCT.
06	PROVIDE NEW RETURN GRILLE TO REPLACE EXISTING (1-FOR-1 REPLACEMENT)
07	FIELD-VERIFY EXACT LOCATION OF EXISTING DUCT-MOUNTED DIFFERENTIAL PRESSURE SENSOR. PROVIDE ACCESS PANEL IN HARD CEILING WHERE SENSOR IS NOT SUFFICIENTLY CLOSE TO VAV BOX FOR MAINTENANCE ACCESS TO BE SHARED. VERIFY IN EACH SUITE. COORDINATE WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN FOR ACCESS PANEL LOCATION AND SPECIFICATION.
08	EXISTING BATHROOM EXHAUST GRILLE TO BE REPLACED IN EXISTING LOCATION. NEW SHALL MATCH SIZE OF EXISTING. COORDINATE WITH ELECTRICAL LIGHTING, FIRE PROTECTION, AND ARCHITECTURAL DRAWINGS TO ENSURE ALIGNMENT WITH NEW CEILING GRID AND WITH LIGHTS AND SPRINKLER HEADS.
09	NEW THERMOSTAT COMPATIBLE WITH EXISTING CONTROLS: REMOVE EXISTING THERMOSTAT AND REPLACE IN SAME LOCATION. MATCH HEIGHT OF EXISTING THERMOSTAT. RECONNECT TO EXISTING POWER AND CONTROLS AS REQUIRED. COORDINATE SWITCHOVER AND VERIFY PROPER OPERATION WITH UNIVERSITY OF KENTUCKY CONTROLS.

4 M301 TYPICAL ENLARGED HVAC PLAN
1/4" = 1'-0"



3 M301 TYPICAL ENLARGED HVAC PLAN
1/4" = 1'-0"



2 M301 TYPICAL ENLARGED HVAC PLAN
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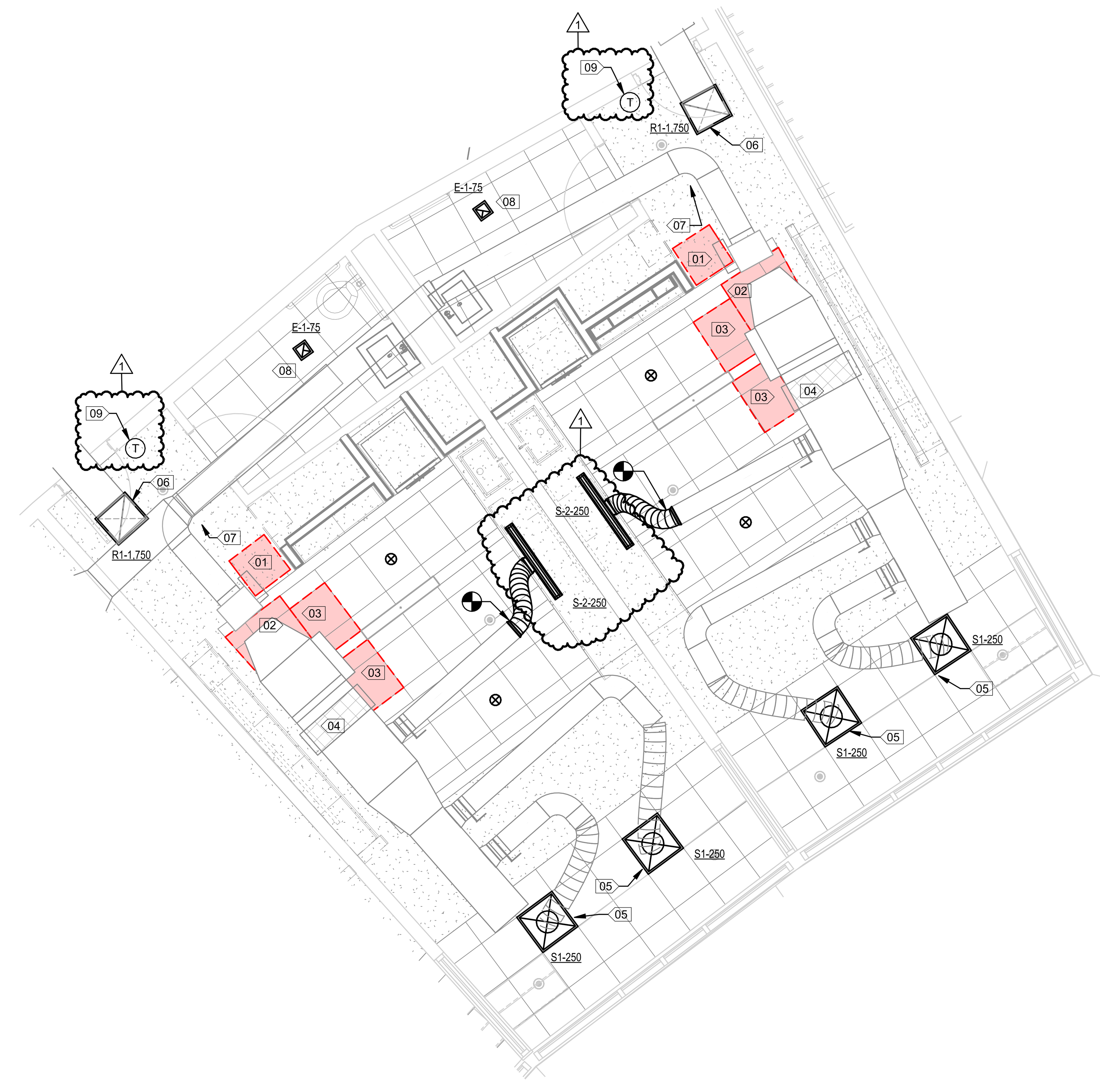

1 M301 TYPICAL ENLARGED HVAC PLAN
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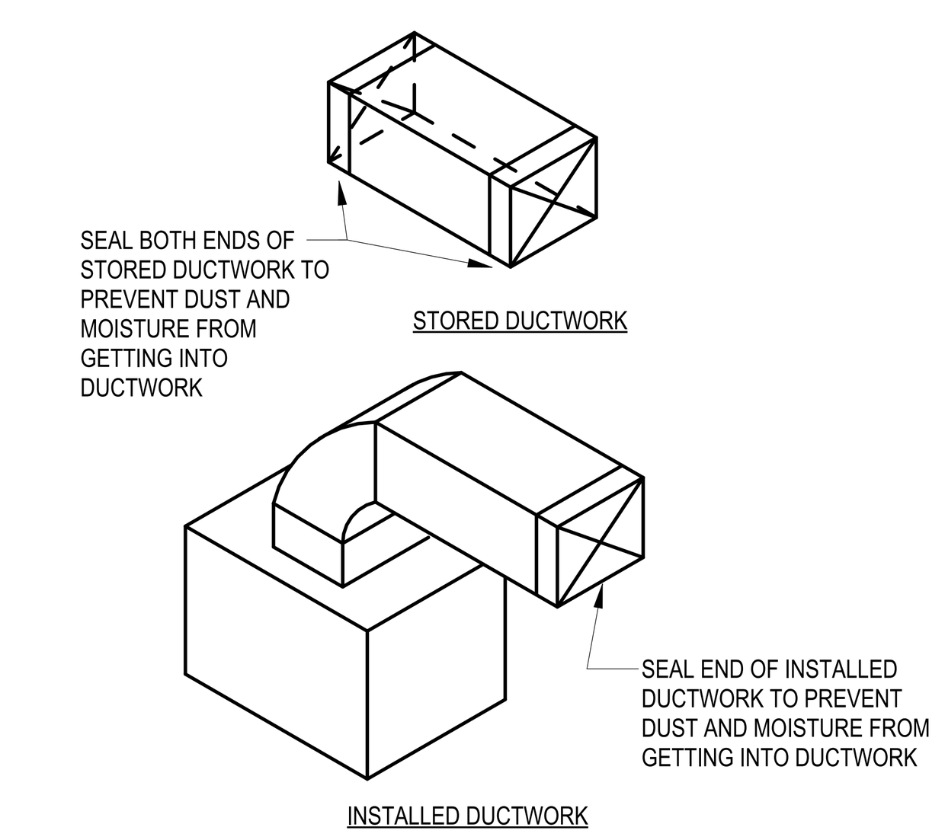

10 M301 DUCTWORK PROTECTION DURING CONSTRUCTION DETAIL
12" = 1'-0"

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STATE OF KENTUCKY
MATTHEW C. GURLEY
PROFESSIONAL ENGINEER

ENLARGED TYPICAL HVAC PLANS

KROGER FIELD - SUITE RENOVATION
FOR THE:
UNIVERSITY OF KENTUCKY
LEXINGTON, KENTUCKY

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Landscape Architect:
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UK# 3186.0

Project No: 25041
Drawn By: Author
Rev'd By: Checker

ISSUED FOR:

REVISIONS

#	DATE	DESCRIPTION
1	01/09/26	ADDENDUM

CONSTRUCTION DOCUMENTS

M301

ENLARGED TYPICAL HVAC PLANS

DATE ISSUED:
12/08/2025

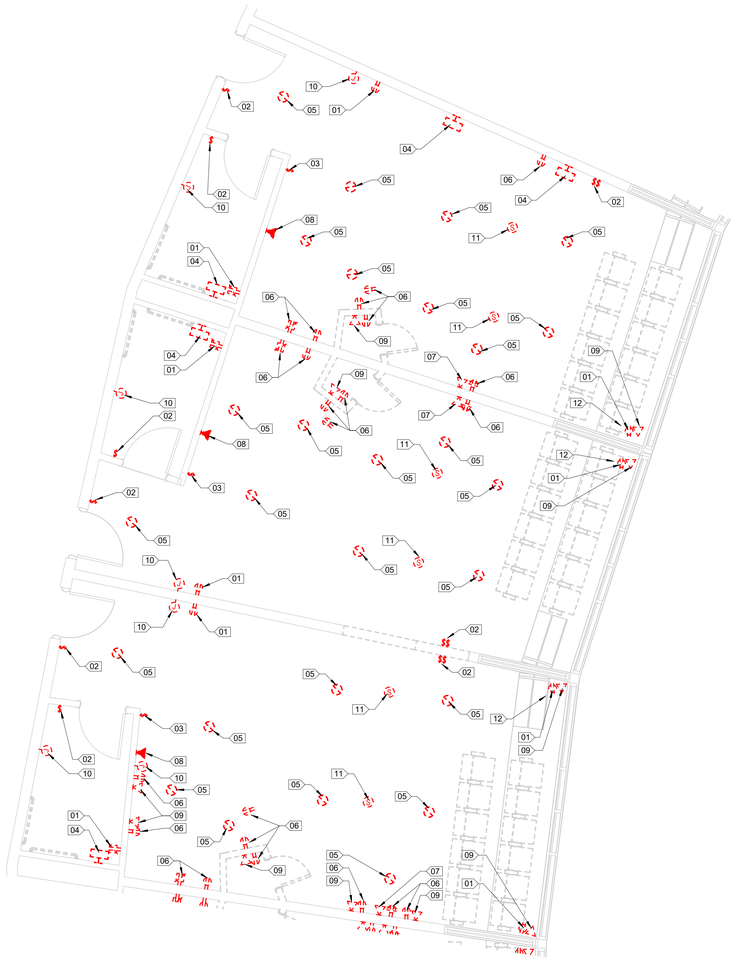
GENERAL NOTES

A. PLANS BELOW ARE SHOWN AS TYPICAL. NUMBER AND LOCATIONS OF DEVICES MAY VARY BETWEEN SUITES. CONTRACTOR IS TO REMOVE DEVICES AS SHOWN BELOW.

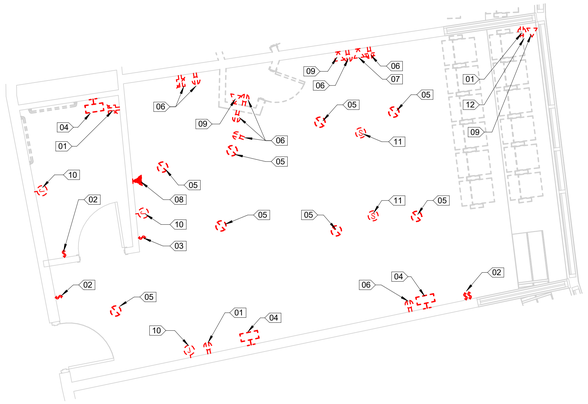
B. ALL EXISTING ABOVE-CEILING JUNCTION BOXES AND CONDUIT PATHWAYS BACK TO THE EXISTING PANEL TO REMAIN UNLESS OTHERWISE NOTED.

KEY NOTES - ED105

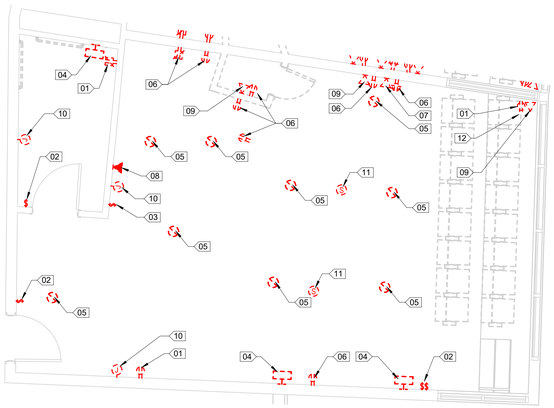
#	KEY NOTE
01	REMOVE AND DISPOSE OF EXISTING RECEPTACLE. EXISTING BOX, CONDUIT, AND WIRING TO REMAIN FOR INSTALLATION OF NEW RECEPTACLE.
02	REMOVE AND DISPOSE OF EXISTING LIGHTING CONTROL DEVICE. EXISTING WIRING, BOX, CONDUIT TO REMAIN FOR INSTALLATION OF NEW LIGHTING CONTROL DEVICE.
03	REMOVE AND DISPOSE OF EXISTING LIGHTING CONTROL DEVICE, INCLUDING ASSOCIATED BACK BOX, CONDUIT, AND WIRING. REMOVE ALL COMPONENTS BACK TO EXISTING JUNCTION BOX ABOVE CEILING.
04	REMOVE AND DISPOSE OF EXISTING WALL BACK BOX INCLUDING ASSOCIATED CONDUIT, AND WIRING. REMOVE ALL COMPONENTS BACK TO EXISTING JUNCTION BOX ABOVE CEILING.
05	REMOVE EXISTING LIGHTFIXTURE WHIP. REMOVE ALL COMPONENTS BACK TO EXISTING JUNCTION BOX ABOVE CEILING.
06	REMOVE AND DISPOSE OF EXISTING RECEPTACLE, INCLUDING ASSOCIATED BACK BOX, CONDUIT, AND WIRING. REMOVE ALL COMPONENTS BACK TO EXISTING JUNCTION BOX ABOVE CEILING.
07	REMOVE AND DISPOSE OF EXISTING DATA OUTLET, INCLUDING ASSOCIATED BACK BOX, CONDUIT, AND WIRING. REMOVE ALL CABLES BACK TO THE COMMUNICATIONS ROOM. CUT CONDUIT WHERE IT EXITS THE SUITE, LEAVING 6" STUB INTO SUITE AND INSTALL BUSHING.
08	REMOVE AND DISPOSE OF EXISTING TELEPHONE OUTLET, INCLUDING ASSOCIATED BACK BOX, CONDUIT, AND WIRING. REMOVE ALL CABLES BACK TO THE COMMUNICATIONS ROOM. CUT CONDUIT WHERE IT EXITS THE SUITE, LEAVING 6" STUB INTO SUITE AND INSTALL BUSHING.
09	REMOVE AND DISPOSE OF EXISTING TV OUTLET, INCLUDING ASSOCIATED BACK BOX, CONDUIT, AND WIRING. REMOVE ALL CABLES BACK TO THE COMMUNICATIONS ROOM. CUT CONDUIT WHERE IT EXITS THE SUITE, LEAVING 6" STUB INTO SUITE AND INSTALL BUSHING.
10	REMOVE AND DISPOSE OF EXISTING JUNCTION BOX AND ASSOCIATED COVER PLATE AND CONDUIT IN ITS ENTIRETY.
11	REMOVE AND DISPOSE OF EXISTING SPEAKER, INCLUDING ASSOCIATED BACK BOX, CONDUIT, AND WIRING IN ITS ENTIRETY.
12	REMOVE AND DISPOSE OF EXISTING CEILING-HUNG TELEVISION. REMOVE AND RETAIN EXISTING CEILING MOUNT FOR REUSE IN NEW INSTALLATION.



4 ED105 TYPICAL ENLARGED DEMO ELECTRICAL PLAN
1/4" = 1'-0"



3 ED105 TYPICAL ENLARGED DEMO ELECTRICAL PLAN
1/4" = 1'-0"



2 ED105 TYPICAL ENLARGED DEMO ELECTRICAL PLAN
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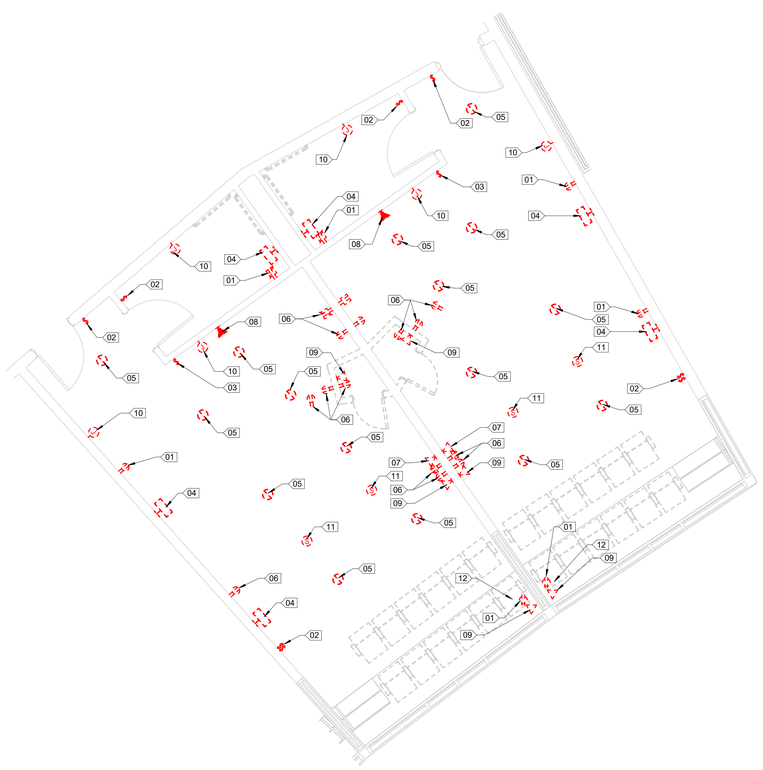

1 ED105 TYPICAL ENLARGED DEMO ELECTRICAL PLAN
1/4" = 1'-0"

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GREGORY G. CARTER
14775
LICENSED PROFESSIONAL ENGINEER

ENLARGED TYPICAL ELECTRICAL DEMOLITION PLANS - SUITES
KROGER FIELD - SUITE RENOVATION
FOR THE:
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UK# 3186.0

Project No: 25041
Drawn By: NPD
Rev'd By: GGC

ISSUED FOR:

REVISIONS

#	DATE	DESCRIPTION
2	01/09/26	ADDENDUM

CONSTRUCTION DOCUMENTS

2 ED105

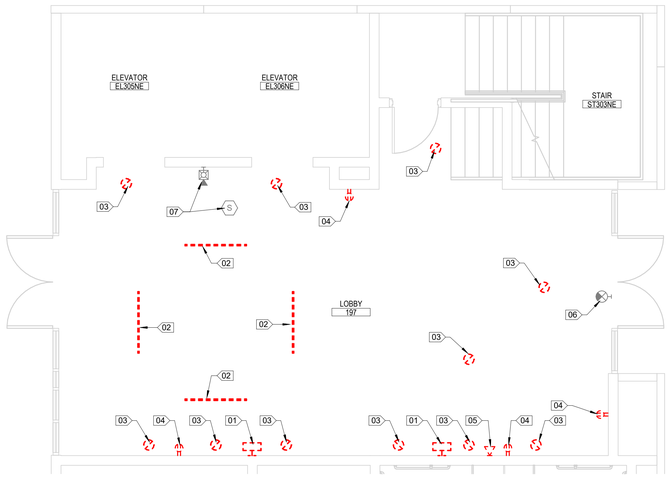
ENLARGED TYPICAL ELECTRICAL DEMOLITION PLANS - SUITES
DATE ISSUED:
11/18/2025

GENERAL NOTES

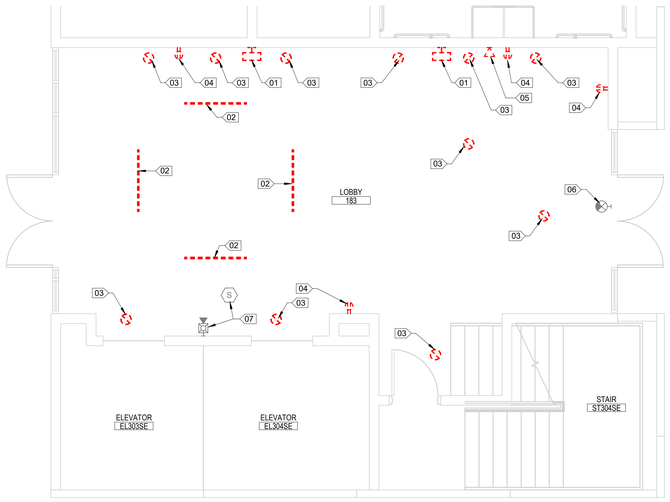
A. ALL EXISTING LIGHT FIXTURES, RECEPTACLES, LIGHTING CONTROLS, DATA OUTLETS, FIRE ALARM DEVICES, AND RELATED SYSTEMS SHALL REMAIN IN PLACE AND BE PROTECTED THROUGHOUT CONSTRUCTION. UNLESS OTHERWISE NOTED FOR REMOVAL.

KEY NOTES - ED106

#	KEY NOTE
01	REMOVE AND DISPOSE OF EXISTING WALL-MOUNTED LIGHT FIXTURE. PROVIDE BLANK COVER PLATE.
02	REMOVE AND DISPOSE OF EXISTING COVE LIGHTING FIXTURE. EXISTING CIRCUIT TO REMAIN AND BE REUSED FOR NEW LIGHTING INSTALLATION.
03	REMOVE AND DISPOSE OF EXISTING RECESSED DOWNLIGHT. EXISTING CIRCUIT TO REMAIN AND BE REUSED FOR NEW LIGHTING INSTALLATION.
04	REMOVE AND DISPOSE OF EXISTING RECEPTACLE. EXISTING CIRCUIT TO REMAIN AND BE REUSED FOR NEW RECEPTACLE INSTALLATION.
05	REMOVE AND DISPOSE OF EXISTING DATA OUTLET FACE PLATE. MAINTAIN CABLING TO BE REUSES IN A NEW FACEPLATE.
06	EXISTING EXIT SIGN TO REMAIN REMOVE RED FILM IN THE FIXTURE TO BE REPLACED WITH GREEN FILM.
07	EXISTING FIRE ALARM DEVICE TO REMAIN AND PROTECTED DURING CONSTRUCTION.



4 ED106 ELECTRICAL DEMO PLAN - LOBBY 197
1/4" = 1'-0"



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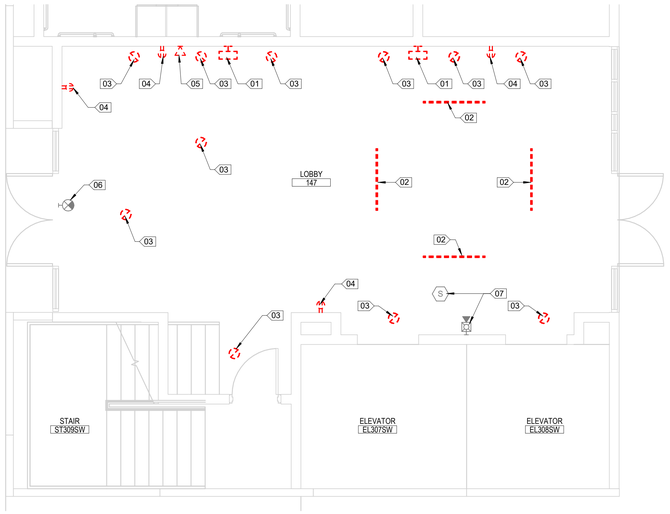

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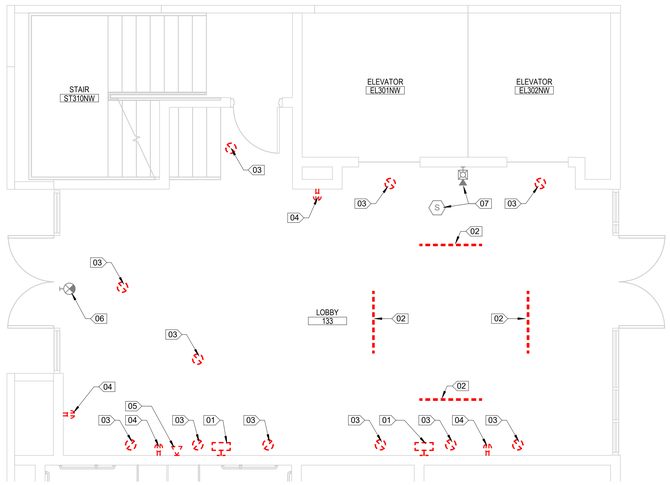
1/4" = 1'-0"



1 ED106 ELECTRICAL DEMO PLAN - LOBBY 133
1/4" = 1'-0"

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STATE OF KENTUCKY
GREGORY G. CARTER
14775
LICENSED PROFESSIONAL ENGINEER

ELECTRICAL DEMOLITION PLANS - LOBBIES

KROGER FIELD - SUITE RENOVATION

FOR THE:

UNIVERSITY OF KENTUCKY
LEXINGTON, KENTUCKY

Architect of Record:
Civil Engineer:
Landscape Architect:
RossTarrant Architects, Inc.
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Signature Sports Architect:
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UK# 3186.0

Project No: 25041
Drawn By: NPD
Rev'd By: GGC

ISSUED FOR:

REVISIONS

#	DATE	DESCRIPTION
1	12/04/25	AS/FO-001
2	01/09/26	ADDENDUM

CONSTRUCTION DOCUMENTS

2 ED106

ELECTRICAL DEMOLITION PLANS - LOBBIES

DATE ISSUED:
11/18/2025

GENERAL NOTES

A. PLANS BELOW ARE SHOWN AS TYPICAL. LETTER DESIGNATION REPRESENT CIRCUIT NUMBERS. REFER TO SHEETS E101, E102, E103 & E104 FOR CIRCUIT DESIGNATIONS. REFER TO E601 FOR PANEL SCHEDULES.

B. ALL EXISTING ABOVE-CEILING JUNCTION BOXES AND CONDUIT PATHWAYS BACK TO THE EXISTING PANEL ARE TO BE REUSED WITH THE NEW CONFIGURATION. ANY DISCREPANCIES NOTIFY THE ARCHITECT/ENGINEER.

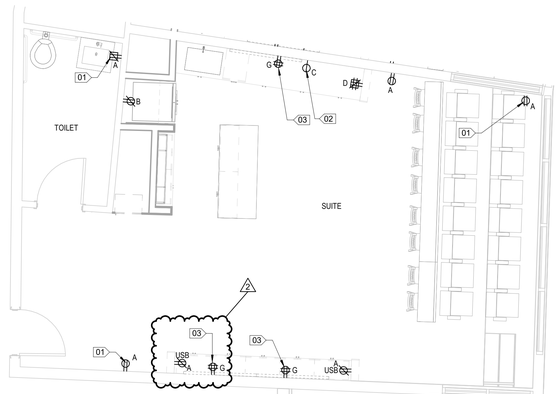
C. MC CABLE IS PERMITTED WITH IN THE SUITE FOR DEVICE TO DEVICE CONNECTION.

KEY NOTES - E302

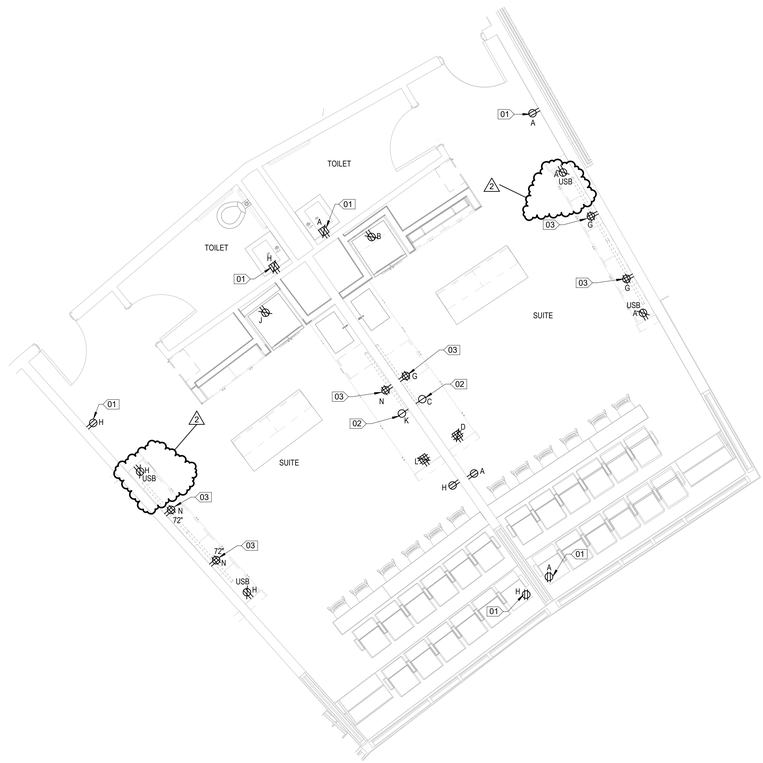
#	KEY NOTE
01	INSTALL NEW RECEPTACLE AND FACEPLATE. CONNECT TO EXISTING CIRCUIT AND UTILIZE EXISTING BACK BOX.
02	RECEPTACLE TO BE INSTALLED BELOW COUNTERTOP INSIDE CASEWORK. COORDINATE EXACT LOCATION WITH CASEWORK SHOP DRAWINGS AND CASEWORK INSTALLER PRIOR TO ROUGH-IN.
03	COORDINATE RECEPTACLE HEIGHT WITH WALL BLOCKING AND TV MOUNT LOCATION. RECEPTACLE TO BE CONCEALED BEHIND TV.

4 E302 TYPICAL ENLARGED POWER PLAN
1/4" = 1'-0"

3 E302 TYPICAL ENLARGED POWER PLAN
1/4" = 1'-0"



2 E302 TYPICAL ENLARGED POWER PLAN
1/4" = 1'-0"



1 E302 TYPICAL ENLARGED POWER PLAN
1/4" = 1'-0"

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KROGER FIELD - SUITE RENOVATION
FOR THE:
UNIVERSITY OF KENTUCKY
LEXINGTON, KENTUCKY

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UK# 3186.0

Project No: 25041
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#	DATE	DESCRIPTION
2	01/09/26	ADDENDUM

CONSTRUCTION DOCUMENTS

E302

ENLARGED TYPICAL POWER PLANS - SUITES

DATE ISSUED:
12/08/2025

GENERAL NOTES

A. PLANS BELOW ARE SHOWN AS TYPICAL. REFER TO SHEETS E101, E102, E103 & E104 FOR COMMUNICATION ROOM LOCATIONS.

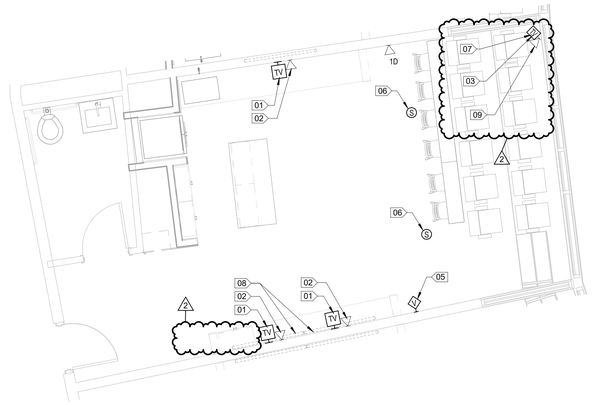
B. ALL EXISTING ABOVE-CEILING JUNCTION BOXES AND CONDUIT PATHWAYS BACK TO THE COMMUNICATIONS ROOM ARE TO BE REUSED WITH THE NEW CONFIGURATION. ANY DISCREPANCIES NOTIFY THE ARCHITECT/ENGINEER.

C. ROUTE COAX CABLE AND TERMINATE IN THE NEAREST COMMUNICATION ROOM.

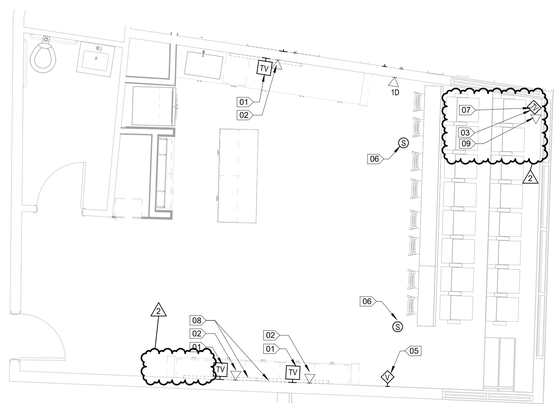
KEY NOTES - E402

#	KEY NOTE
01	PROVIDE AND INSTALL ONE (1) 65" SAMSUNG MODEL QN65Q8FAAFXZA DISPLAY ON PEERLESS-AV SMARTMOUNT UNIVERSAL FLAT WALL MOUNT, MODEL SF670(P). INSTALL DISPLAY SO THAT THE BOTTOM EDGE OF THE SCREEN IS 18" ABOVE COUNTERTOP. CONNECT TO NEW POWER AND DATA.
02	TERMINATE ONE COAX CABLE IN FACE PLATE AND ROUTE CABLE BACK TO NEAREST COMMUNICATONS ROOM. COORDINATE DATA OUTLET HEIGHT WITH WALL BLOCKING AND TV MOUNT LOCATION. DATA OUTLET TO BE CONCEALED BEHIND TV.
03	PROVIDE A TWO CHANNEL AMPLIFIER INSTALLED BEHIND THE TV. PROVIDE CONNECTION TO THE TV, VOLUME CONTROL AND SPEAKERS.
04	NOTE NOT USED.
05	PROVIDE AND INSTALL VOLUME CONTROL FOR CEILING SPEAKERS IN SOFFIT.
06	PROVIDE AND INSTALL 8" CEILING-MOUNTED SPEAKER, 8 Ω, CONNECTED TO AMPLIFIER. SPEAKERS SHALL BE CENTERED WITHIN THE GYPSUM BOARD CEILING AND ALIGNED SYMMETRICALLY BETWEEN LIGHT FIXTURES WITHIN THE SOFFIT.
07	PROVIDE AND INSTALL ONE (1) 43" SAMSUNG MODEL QN43Q8FAAFXZA DISPLAY ON THE EXISTING CEILING HUNG MOUNT. CONNECT TO POWER AND DATA.
08	THE TWO 65" DISPLAYS ARE TO INSTALLED SIDE BY SIDE, FLUSH AND LEVEL WITH EACH OTHER.
09	TERMINATE ONE COAX CABLE IN FACE PLATE AND ROUTE CABLE BACK TO NEAREST COMMUNICATONS ROOM.

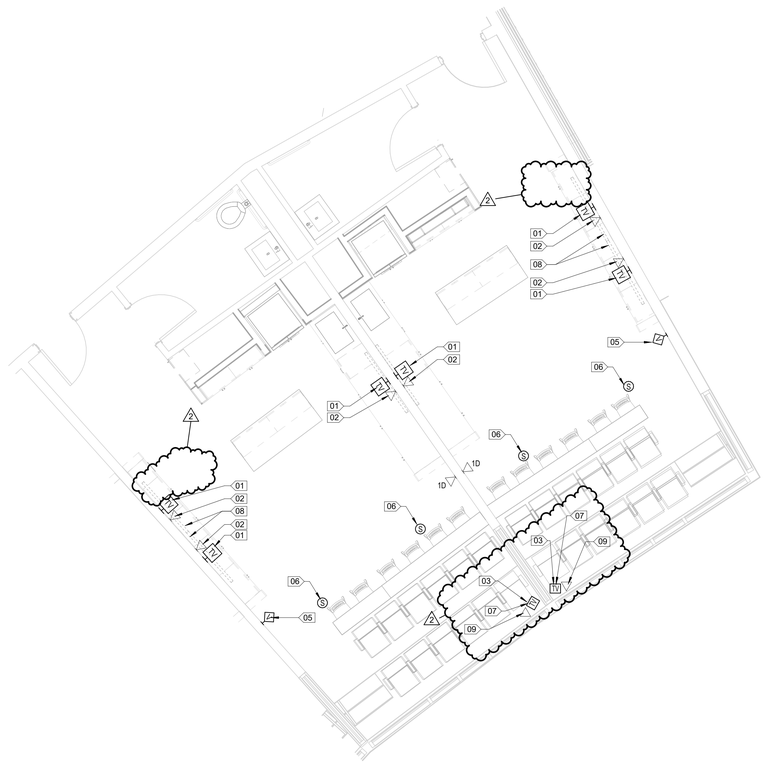
4 E402 ENLARGED TYPICAL TECHNOLOGY PLAN
1/4" = 1'-0"



3 E402 ENLARGED TYPICAL TECHNOLOGY PLAN
1/4" = 1'-0"



2 E402 ENLARGED TYPICAL TECHNOLOGY PLAN
1/4" = 1'-0"



1 E402 ENLARGED TYPICAL TECHNOLOGY PLAN
1/4" = 1'-0"

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#	DATE	DESCRIPTION
2	01/09/26	ADDENDUM

CONSTRUCTION DOCUMENTS

E402

ENLARGED TYPICAL TECHNOLOGY PLANS - SUITES
DATE ISSUED:
12/08/2025

LUMINAIRE SCHEDULE

2

TYPE	DESCRIPTION	CIRCUIT VOLTAGE	MOUNTING	LAMP	LUMENS	CRI	COLOR TEMPERATURE	CONNECTED (VA)	DRIVER TYPE	MANUFACTURER	CATALOG SERIES	NOTES
LF1	FLUSH MOUNTED DECORATIVE CEILING LUMINAIRE WITH 6.25" DIMATER ANODIZED ALUMNUM HOUSING, 2.5" DEEP PROFILE, WHITE GLASS DIFFUSER, 0-10 VOLT DIMMABLE DRIVER, 3000K LED ARRAY, UL LISTEED, AND L70 OF 50,00 HOURS.	120 V	SURFACE	LED	878 lm	90	3000 K	10 VA	0-10V DIMMING TO 1%	MODERN FORMS OR EQUAL BY EUREKA, MODERN FORMSRBW LIGHTING	FM-W44806 3000K BK SERIES	2
LF2	PENDANT MOUNTED LINEAR CHANDLEIR WITH 49.62" LONG X 6.5" WIDE X 7.62" HIGH PROFILE, AGED IRON STEEL TUBING, FOUR (4) 6.5" DIAMETER MOUTH BLOWN GLASS DIFFUSERS, UL LISTING FOR DAMP LOCATIONS, AND FOUR (4) LED G9 T4 LED LAMPS.	120 V	SUSPENDED	LED	1800 lm	90	3000 K	18 VA	0-10V DIMMING TO 1%	VISUAL COMFORT LIGHTING OR EQUAL BY REJUVENATION, MODERN FORMS	EC1264AI SERIES	1,2
LF3	WALL MOUNTED LED SCONCE WITH 26" TALL PROFILE, 4.25" ROUND BACKPLATE, 6.75" EXTENSION, ROUND SPUN ALUMINUM BLACK HOUSING, CLEAR GLASS DIFFUSER, ETL LISTING, E26 SOCKET, AND 8 WATT T10 LED LAMP.	120 V	WALL	LED	800 lm	90	3000 K	8 VA	0-10V DIMMING TO 1%	VISUAL COMFORT LIGHTING OR EQUAL BY REJUVENATION, MODERN FORMS	JUNIO WALL LIGHT TOB 2615BZ/HAB-CG SERIES	1,2
LF4	RECESSED 2" LED DOWNLIGHT WITH 1500 LUMEN OUTPUT, SELF-FLANGED ALZAK LOWER REFLECTOR, HIGHLY TRANSMISSIVE LENS, 55 DEGREE CUTOFF, GALVANIZED STEEL MOUNTING FRAME, ADJUSTABLE 16-GAUGE GALVANIZED STEEL MOUNTING BARS WITH CONTINUOUS 4" VERTICAL ADJUSTMENT FROM BELOW CEILING, GALVANIZED STEEL JUNCTION BOX WITH HINGED ACCESS COVERS, SOLID STATE LED LIGHT ENGINE IN 3000 K COLOR TEMPERATURE, CLASS P, THERMALLY PROTECTED SOLID-STATE 0-10V DIMMING DRIVER, RATED SYSTEM LIFE OF 50,000 HOURS AT 70% OUTPUT, MAXIMUM 40 DEGREE CELSIUS OPERATING TEMPERATURE, ENERGY STAR CERTIFIED, AND 5-YEAR LIMITED WARRANTY.	120 V	RECESSED	LED	500 lm	90	3000 K	10 VA	0-10V DIMMING TO 1%	GOTHAM OR EQUAL BY HE WILLIAMS, METALUX	EV02 30/05 AR LSS MWD MVOLT UGZ TRBL SERIES	2,3
LF5	RECESSED 4" LED DOWNLIGHT WITH 1500 LUMEN OUTPUT, SELF-FLANGED ALZAK LOWER REFLECTOR, HIGHLY TRANSMISSIVE LENS, 55 DEGREE CUTOFF, GALVANIZED STEEL MOUNTING FRAME, ADJUSTABLE 16-GAUGE GALVANIZED STEEL MOUNTING BARS WITH CONTINUOUS 4" VERTICAL ADJUSTMENT FROM BELOW CEILING, GALVANIZED STEEL JUNCTION BOX WITH HINGED ACCESS COVERS, SOLID STATE LED LIGHT ENGINE IN 3000 K COLOR TEMPERATURE, CLASS P, THERMALLY PROTECTED SOLID-STATE 0-10V DIMMING DRIVER, RATED SYSTEM LIFE OF 50,000 HOURS AT 70% OUTPUT, MAXIMUM 40 DEGREE CELSIUS OPERATING TEMPERATURE, ENERGY STAR CERTIFIED, AND 5-YEAR LIMITED WARRANTY.	120 V	RECESSED	LED	1500 lm	90	3000 K	15 VA	0-10V DIMMING TO 1%	GOTHAM OR EQUAL BY HE WILLIAMS, METALUX	IV04 D 15 30K 90CRI 55D MIN1 MVOLT EZT SF P AR LSS FBL SERIES	2
LF6	RECESSED 6" LED RETRO FIT DOWNLIGHT WITH 2500 LUMEN OUTPUT, SELF-FLANGED ALZAK LOWER REFLECTOR, WITH AN EXTENDED REMODEL/RETRO FIT TRIM, HIGHLY TRANSMISSIVE LENS, 55 DEGREE CUTOFF, SOLID STATE LED LIGHT ENGINE IN 4000 K COLOR TEMPERATURE, CLASS P, THERMALLY PROTECTED SOLID-STATE 0-10V DIMMING DRIVER, RATED SYSTEM LIFE OF 50,000 HOURS AT 70% OUTPUT, MAXIMUM 40 DEGREE CELSIUS OPERATING TEMPERATURE, ENERGY STAR CERTIFIED, AND 5-YEAR LIMITED WARRANTY.	120 V	RECESSED	LED	2500 lm	90	4000 K	32 VA	0-10V DIMMING TO 1%	LITHONIA, OR EQUAL BY HE WILLIAMS, METALUX	LBR6 25LM 400K WR TRW LSS WD MVOLT UGZ 90CRI LBRGR78 SERIES	
LF7	1' IN LENGTH X 1.26" TALL X 1.44" WIDE LINEAR COVE LIGHT WITH SNAP ON FROSTED LENS. INTEGRAL 0-10V DIMMING DRIVER, 8.5 WATT PER FOOT, 738 LUMENS PER FOOT. WITH AN ADJUSTABLE MOUNTING BRACKET.	120 V	SURFACE, CEILING	LED	738 lm	90	4000 K	9 VA	0-10V DIMMING TO 1%	ECOSENSE LIGHTING OR EQUAL	L30 I 12 08 30 90 MULT 120 SERIES	
LF7A	4' IN LENGTH X 1.26" TALL X 1.44" WIDE LINEAR COVE LIGHT WITH SNAP ON FROSTED LENS. INTEGRAL 0-10V DIMMING DRIVER, 8.5 WATT PER FOOT, 738 LUMENS PER FOOT. WITH AN ADJUSTABLE MOUNTING BRACKET.	120 V	SURFACE, CEILING	LED	2780 lm	90	4000 K	34 VA	0-10V DIMMING TO 1%	ECOSENSE LIGHTING OR EQUAL	L30 I 48 08 30 90 MULT 120 SERIES	

LUMINAIRE SCHEDULE NOTES:

1. PROVIDE 10% QUANTITY OF REQUIRED LAMPS FOR ATTIC STOCK.
2. PROVIDE 10% QUANTITY OF REQUIRED DRIVERS FOR ATTIC STOCK.
3. FIXTURE MUST BE ABLE TO BE SERVICED FROM BELOW THE CEILING.

Branch Panel: SAA

Location: ELECTRIC-1 333-1
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 22000
Mains Type: MLO
Mains Rating: 225 A

Header Notes:

THIS PANEL IS EXISTING.

Note	Circuit Description	CKT	Trip	Poles	A		B		C		Poles	Trip	CKT	Circuit Description	Note
a	RECS - SUITE 35 & TOLIET 35A	1	20 A	1	1260...	1260...					1	20 A	2	RECS - SUITE 40 & TOLIET 40A	a
a	REC - REFRIGERATOR - SUITE 35	3	20 A	1			800 VA	800 VA			1	20 A	4	REC - REFRIGERATOR - SUITE 40	a
a	REC - INDUCTION WARMER - SUITE 35	5	20 A	1					1800...	1800...	1	20 A	6	REC - INDUCTION WARMER - SUITE 40	a
a	RECS - ABOVE COUNTER - SUITE 35	7	20 A	1	720 VA	720 VA					1	20 A	8	RECS - ABOVE COUNTER - SUITE 40	a
a	RECS - SUITE 39 & TOLIET 39A	9	20 A	1			1260...	1260...			1	20 A	10	RECS - SUITE 34 & TOLIET 34A	a
b	REC - REFRIGERATOR - SUITE 39	11	20 A	1					800 VA	800 VA	1	20 A	12	REC - REFRIGERATOR - SUITE 34	a
a	REC - INDUCTION WARMER - SUITE 39	13	20 A	1	1800...	1800...					1	20 A	14	REC - INDUCTION WARMER - SUITE 34	a
a	RECS - ABOVE COUNTER - SUITE 39	15	20 A	1			720 VA	720 VA			1	20 A	16	RECS - ABOVE COUNTER - SUITE 34	a
a	RECS - SUITE 38 & TOLIET 38A	17	20 A	1					1260...	1260...	1	20 A	18	RECS - SUITE 33 & TOLIET 33A	a
a	REC - REFRIGERATOR - SUITE 38	19	20 A	1	800 VA	800 VA					1	20 A	20	REC - REFRIGERATOR - SUITE 33	a
a	REC - INDUCTION WARMER - SUITE 38	21	20 A	1			1800...	1800...			1	20 A	22	REC - INDUCTION WARMER - SUITE 33	a
a	RECS - ABOVE COUNTER - SUITE 38	23	20 A	1					720 VA	720 VA	1	20 A	24	RECS - ABOVE COUNTER - SUITE 33	a
a	RECS - SUITE 37 & TOLIET 37A	25	20 A	1	1260...	1260...					1	20 A	26	RECS - SUITE 32 & TOLIET 32A	a
a	REC - REFRIGERATOR - SUITE 37	27	20 A	1			800 VA	800 VA			1	20 A	28	REC - REFRIGERATOR - SUITE 32	a
a	REC - INDUCTION WARMER - SUITE 37	29	20 A	1					1400...	1400...	1	20 A	30	REC - INDUCTION WARMER - SUITE 32	a
a	RECS - ABOVE COUNTER - SUITE 37	31	20 A	1	720 VA	720 VA					1	20 A	32	RECS - ABOVE COUNTER - SUITE 32	a
a	RECS - SUITE 36 & TOLIET 36A	33	20 A	1			1260...	1260...			1	20 A	34	RECS - SUITE 31 & TOLIET 31A	a
a	REC - REFRIGERATOR - SUITE 36	35	20 A	1					800 VA	800 VA	1	20 A	36	REC - REFRIGERATOR - SUITE 31	a
a	REC - INDUCTION WARMER - SUITE 36	37	20 A	1	1800...	1800...					1	20 A	38	REC - INDUCTION WARMER - SUITE 31	a
a	RECS - ABOVE COUNTER - SUITE 36	39	20 A	1			720 VA	720 VA			1	20 A	40	RECS - ABOVE COUNTER - SUITE 31	a
	SPARE	41	20 A	1					0 VA	0 VA	1	20 A	42	SPARE	
				Total Load:	16720 VA		14720 VA		13560 VA						
				Total Amps:	141 A		124 A		113 A						

Notes:
a - NEW LOAD ON A EXISTING BREAKER.

Branch Panel: SBB

Location: ELECTRIC-1 333-1
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 22000
Mains Type: MLO
Mains Rating: 225 A

Header Notes:

THIS PANEL IS EXISTING.

Note	Circuit Description	CKT	Trip	Poles	A		B		C		Poles	Trip	CKT	Circuit Description	Note
a	LIGHTING - SUITE 40	1	20 A	1	253 VA	253 VA					1	20 A	2	LIGHTING - SUITE 35	a
a	TVs & STEREO - SUITE 40	3	20 A	1			1260...	1260...			1	20 A	4	TVs & STEREO - SUITE 35	a
a	LIGHTING - SUITE 39	5	20 A	1					253 VA	253 VA	1	20 A	6	LIGHTING - SUITE 34	a
a	TVs & STEREO - SUITE 39	7	20 A	1	1260...	1260...					1	20 A	8	TVs & STEREO - SUITE 34	a
a	LIGHTING - SUITE 38	9	20 A	1			253 VA	253 VA			1	20 A	10	LIGHTING - SUITE 33	a
a	TVs & STEREO - SUITE 38	11	20 A	1					1260...	1260...	1	20 A	12	TVs & STEREO - SUITE 33	a
a	LIGHTING - SUITE 37	13	20 A	1	253 VA	253 VA					1	20 A	14	LIGHTING - SUITE 32	a
a	TVs & STEREO - SUITE 37	15	20 A	1			1260...	1260...			1	20 A	16	TVs & STEREO - SUITE 32	a
a	LIGHTING - SUITE 36	17	20 A	1					253 VA	253 VA	1	20 A	18	LIGHTING - SUITE 31	a
a	TVs & STEREO - SUITE 36	19	20 A	1	1260...	1260...					1	20 A	20	TVs & STEREO - SUITE 31	a
		21					--	--			1	--	22	EXHAUST FAN 23, COMM 335	b
b	SKY CAM	23	--	3					--	--	1	--	24	EX FAN 24, FIRST AID 29, EF-31, RM 337	b
		25			--	--					1	--	26	EXHAUST FAN	b
c	SPARE	27	20 A	1			0 VA	0 VA			1	20 A	28	SPARE	c
c	SPARE	29	20 A	1					0 VA	--	1	--	30	REC. CORRIDOR	b
c	SPARE	31	20 A	1	0 VA	--					1	--	32	ROOF	b
b	CAMERA DECK	33	--	1			--	--			1	--	34	EF-6 ROOF	b
b	CAMERA DECK	35	--	1					--	--	1	--	36	EXHAUST FANS SUITES 31,32,35,36,39,40	b
c	SPARE	37	20 A	1	0 VA	--					1	--	38	EXHAUST FANS SUITES 33,34,37,38	b
c	SPARE	39	20 A	2			0 VA	0 VA			2	20 A	40	SPARE	c
		41							0 VA	0 VA			42		
				Total Load:	6052 VA		5546 VA		3532 VA						
				Total Amps:	53 A		49 A		29 A						

Notes:
a - NEW LOAD ON A EXISTING BREAKER.
b - EXISTING ELECTRICAL LOAD.
c - EXISTING SPARE BREAKER.

Branch Panel: SCC

Location: ELECTRIC-1 367-1
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 22000
Mains Type: MLO
Mains Rating: 225 A

Header Notes:

THIS PANEL IS EXISTING.

Note	Circuit Description	CKT	Trip	Poles	A		B		C		Poles	Trip	CKT	Circuit Description	Note
a	RECS - SUITE 1 & TOLIET 1A	1	20 A	1	1080...	1260...					1	20 A	2	RECS - SUITE 6 & TOLIET 6A	a
a	REC - REFRIGERATOR - SUITE 1	3	20 A	1			800 VA	800 VA			1	20 A	4	REC - REFRIGERATOR - SUITE 6	a
a	REC - INDUCTION WARMER - SUITE 1	5	20 A	1					1800...	1800...	1	20 A	6	REC - INDUCTION WARMER - SUITE 6	a
a	RECS - ABOVE COUNTER - SUITE 1	7	20 A	1	720 VA	720 VA					1	20 A	8	RECS - ABOVE COUNTER - SUITE 6	a
a	RECS - SUITE 2 & TOLIET 2A	9	20 A	1			1080...	720 VA			1	20 A	10	RECS - SUITE 7 & TOLIET 7A	a
a	REC - REFRIGERATOR - SUITE 2	11	20 A	1					800 VA	800 VA	1	20 A	12	REC - REFRIGERATOR - SUITE 7	a
a	REC - INDUCTION WARMER - SUITE 2	13	20 A	1	1800...	1800...					1	20 A	14	REC - INDUCTION WARMER - SUITE 7	a
a	REC - ABOVE COUNTER - SUITE 2	15	20 A	1			720 VA	720 VA			1	20 A	16	RECS - ABOVE COUNTER - SUITE 7	a
a	RECS - SUITE 3 & TOLIET 3A	17	20 A	1					1260...	1260...	1	20 A	18	RECS - SUITE 8 & TOLIET 8A	a
a	REC - REFRIGERATOR - SUITE 3	19	20 A	1	800 VA	800 VA					1	20 A	20	REC - REFRIGERATOR - SUITE 8	a
a	REC - INDUCTION WARMER - SUITE 3	21	20 A	1			1800...	1800...			1	20 A	22	REC - INDUCTION WARMER - SUITE 8	a
a	REC - ABOVE COUNTER - SUITE 3	23	20 A	1					720 VA	720 VA	1	20 A	24	RECS - ABOVE COUNTER - SUITE 8	a
a	RECS - SUITE 4 & TOLIET 4A	25	20 A	1	1260...	1260...					1	20 A	26	RECS - SUITE 9 & TOLIET 9A	a
a	REC - REFRIGERATOR - SUITE 4	27	20 A	1			800 VA	800 VA			1	20 A	28	REC - REFRIGERATOR - SUITE 9	a
a	REC - INDUCTION WARMER - SUITE 4	29	20 A	1					1800...	1800...	1	20 A	30	REC - INDUCTION WARMER - SUITE 9	a
a	REC - ABOVE COUNTER - SUITE 4	31	20 A	1	720 VA	720 VA					1	20 A	32	RECS - ABOVE COUNTER - SUITE 9	a
a	RECS - SUITE 5 & TOLIET 5A	33	20 A	1			1260...	1260...			1	20 A	34	RECS - SUITE 10 & TOLIET 10A	a
a	REC - REFRIGERATOR - SUITE 5	35	20 A	1					800 VA	800 VA	1	20 A	36	REC - REFRIGERATOR - SUITE 10	a
a	REC - INDUCTION WARMER - SUITE 5	37	20 A	1	1800...	1800...					1	20 A	38	REC - INDUCTION WARMER - SUITE 10	a
a	REC - ABOVE COUNTER - SUITE 5	39	20 A	1			720 VA	720 VA			1	20 A	40	RECS - ABOVE COUNTER - SUITE 10	a
	SPARE	41	20 A	1					0 VA	0 VA	1	20 A	42	SPARE	
				Total Load:	16540 VA		14000 VA		14360 VA						
				Total Amps:	138 A		117 A		120 A						

Notes:
a - NEW LOAD ON A EXISTING BREAKER.

Branch Panel: SDD

Location: ELECTRIC-1 367-1
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 22000
Mains Type: MLO
Mains Rating: 225 A

Header Notes:

THIS PANEL IS EXISTING.

Note	Circuit Description	CKT	Trip	Poles	A		B		C		Poles	Trip	CKT	Circuit Description	Note
a	LIGHTING - SUITE 1	1	20 A	1	263 VA	253 VA					1	20 A	2	LIGHTING - SUITE 6	a
a	TVs & STEREO - SUITE 1	3	20 A	1			1260...	1260...			1	20 A	4	TVs & STEREO - SUITE 6	a
a	LIGHTING - SUITE 2	5	20 A	1					263 VA	253 VA	1	20 A	6	LIGHTING - SUITE 7	a
a	TVs & STEREO - SUITE 2	7	20 A	1	1260...	1260...					1	20 A	8	TVs & STEREO - SUITE 7	a
a	LIGHTING - SUITE 3	9	20 A	1			253 VA	253 VA			1	20 A	10	LIGHTING - SUITE 8	a
a	TVs & STEREO - SUITE 3	11	20 A	1					1260...	1260...	1	20 A	12	TVs & STEREO - SUITE 8	a
a	LIGHTING - SUITE 3	13	20 A	1	253 VA	253 VA					1	20 A	14	LIGHTING - SUITE 9	a
a	TVs & STEREO - SUITE 4	15	20 A	1			1260...	1260...			1	20 A	16	TVs & STEREO - SUITE 9	a
a	LIGHTING - SUITE 5	17	20 A	1					253 VA	253 VA	1	20 A	18	LIGHTING - SUITE 10	a
a	TVs & STEREO - SUITE 5	19	20 A	1	1260...	1260...					1	20 A	20	TVs & STEREO - SUITE 10	a
b	REC - CAMERA DECK	21	--	1			--	--					22		
b	REC - CAMERA DECK	23	--	1					--	--	3	--	24	SKY CAM	b
c	SPARE	25	20 A	1	0 VA	--							26		
c	SPARE	27	20 A	1			0 VA	0 VA			1	20 A	28	SPARE	c
b	REC - CONCESSION CORRIDOR	29	--	1					--	--	1	--	30	REC - CORRIDOR	b
b	EXHAUST FAN	31	--	2	--	--					1	--	32	REC - ROOF	b
		33					--	0 VA			1	20 A	34	SPARE	c
c	SPARE	35	20 A	1					0 VA	--	1	--	36	EXHAUST FAN	b
c	SPARE	37	20 A	1	0 VA	--					1	--	38	EXHAUST FAN	b
b	ROOF TOP ELEVATOR CONDENSOR	39	--	2			--	--			2	--	40	ELEVATOR HEAT AND FAN	b
		41							--	--			42		
				Total Load:	6062 VA		5546 VA		3542 VA						
				Total Amps:	53 A		49 A		30 A						

Notes:
a - NEW LOAD ON A EXISTING BREAKER.
b - EXISTING ELECTRICAL LOAD.
c - EXISTING SPARE BREAKER.

Branch Panel: SFF

Location: ELECTRICAL-1 317-1
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 22000
Mains Type: MLO
Mains Rating: 225 A

Header Notes:

THIS PANEL IS EXISTING

Note	Circuit Description	CKT	Trip	Poles	A		B		C		Poles	Trip	CKT	Circuit Description	Note
a	RECS - SUITE 21 & TOLIET 21A	1	20 A	1	1260...	1260...					1	20 A	2	RECS - SUITE 26 & TOLIET 26A	a
a	REC - REFRIGERATOR - SUITE 21	3	20 A	1			800 VA	800 VA			1	20 A	4	REC - REFRIGERATOR - SUITE 26	a
a	REC - INDUCTION WARMER - SUITE 21	5	20 A	1					1800...	1800...	1	20 A	6	REC - INDUCTION WARMER - SUITE 26	a
a	RECS - ABOVE COUNTER - SUITE 21	7	20 A	1	720 VA	720 VA					1	20 A	8	RECS - ABOVE COUNTER - SUITE 26	a
a	RECS - SUITE 22 & TOLIET 22A	9	20 A	1			1260...	1260...			1	20 A	10	RECS - SUITE 27 & TOLIET 27A	a
a	REC - REFRIGERATOR - SUITE 22	11	20 A	1					800 VA	800 VA	1	20 A	12	REC - REFRIGERATOR - SUITE 27	a
a	REC - INDUCTION WARMER - SUITE 22	13	20 A	1	1800...	1800...					1	20 A	14	REC - INDUCTION WARMER - SUITE 27	a
a	RECS - ABOVE COUNTER - SUITE 22	15	20 A	1			720 VA	720 VA			1	20 A	16	RECS - ABOVE COUNTER - SUITE 27	a
a	RECS - SUITE 23 & TOLIET 23A	17	20 A	1					1260...	1260...	1	20 A	18	RECS - SUITE 28 & TOLIET 28A	a
a	REC - REFRIGERATOR - SUITE 23	19	20 A	1	800 VA	800 VA					1	20 A	20	REC - REFRIGERATOR - SUITE 28	a
a	REC - INDUCTION WARMER - SUITE 23	21	20 A	1			1800...	1800...			1	20 A	22	REC - INDUCTION WARMER - SUITE 28	a
a	RECS - ABOVE COUNTER - SUITE 23	23	20 A	1					720 VA	720 VA	1	20 A	24	RECS - ABOVE COUNTER - SUITE 28	a
a	RECS - SUITE 24 & TOLIET 24A	25	20 A	1	1260...	1260...					1	20 A	26	RECS - SUITE 29 & TOLIET 29A	a
a	REC - REFRIGERATOR - SUITE 24	27	20 A	1			800 VA	800 VA			1	20 A	28	REC - REFRIGERATOR - SUITE 29	a
a	REC - INDUCTION WARMER - SUITE 24	29	20 A	1					1800...	1800...	1	20 A	30	REC - INDUCTION WARMER - SUITE 29	a
a	RECS - ABOVE COUNTER - SUITE 24	31	20 A	1	720 VA	720 VA					1	20 A	32	RECS - ABOVE COUNTER - SUITE 29	a
a	RECS - SUITE 25 & TOLIET 25A	33	20 A	1			1260...	1260...			1	20 A	34	RECS - SUITE 30 & TOLIET 30A	a
a	REC - REFRIGERATOR - SUITE 25	35	20 A	1					800 VA	800 VA	1	20 A	36	REC - REFRIGERATOR - SUITE 30	a
a	REC - INDUCTION WARMER - SUITE 25	37	20 A	1	1800...	1800...					1	20 A	38	REC - INDUCTION WARMER - SUITE 30	a
a	RECS - ABOVE COUNTER - SUITE 25	39	20 A	1			720 VA	720 VA			1	20 A	40	RECS - ABOVE COUNTER - SUITE 30	a
	SPARE	41	20 A	1					0 VA	0 VA	1	20 A	42	SPARE	
				Total Load:	16720 VA		14720 VA		14360 VA						
				Total Amps:	140 A		123 A		120 A						

Notes:
a - EXISTING ELECTRICAL LOAD.

Branch Panel: SGG

Location: ELECTRICAL-1 317-1
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 22000
Mains Type: MLO
Mains Rating: 100 A

Header Notes:

THIS PANEL IS EXISTING.

Note	Circuit Description	CKT	Trip	Poles	A		B		C		Poles	Trip	CKT	Circuit Description	Note
a	LIGHTING - SUITE 21	1	20 A	1	253 VA	253 VA					1	20 A	2	LIGHTING - SUITE 26	a
a	TVs & STEREO - SUITE 21	3	20 A	1			1260...	1260...			1	20 A	4	TVs & STEREO - SUITE 26	a
a	LIGHTING - SUITE 22	5	20 A	1					253 VA	253 VA	1	20 A	6	LIGHTING - SUITE 27	a
a	TVs & STEREO - SUITE 22	7	20 A	1	1260...	1260...					1	20 A	8	TVs & STEREO - SUITE 27	a
a	LIGHTING - SUITE 23	9	20 A	1			253 VA	253 VA			1	20 A	10	LIGHTING - SUITE 28	a
a	TVs & STEREO - SUITE 23	11	20 A	1					1260...	1260...	1	20 A	12	TVs & STEREO - SUITE 28	a
a	LIGHTING - SUITE 24	13	20 A	1	253 VA	253 VA					1	20 A	14	LIGHTING - SUITE 29	a
a	TVs & STEREO - SUITE 23	15	20 A	1			1260...	1260...			1	20 A	16	TVs & STEREO - SUITE 29	a
a	LIGHTING - SUITE 25	17	20 A	1					253 VA	253 VA	1	20 A	18	LIGHTING - SUITE 30	a
a	TVs & STEREO - SUITE 25	19	20 A	1	1260...	1260...					1	20 A	20	TVs & STEREO - SUITE 30	a
b	HEAT TRACE	21	--	1			--	0 VA			1	20 A	22	SPARE	c
b	SUITE D CORRIDOR REC	23	--	1					--	0 VA	1	20 A	24	SPARE	c
c	SPARE	25	20 A	1	0 VA	--					1	--	26	EXHAUST FAN COMM 315, EF 25 & 26	b
b	D ELEVATOR ROOM AIR PUMP	27	--	1			--	--			1	--	28	D ELEVATOR ROOM REC	b
c	SPARE	29	20 A	1					0 VA	--	1	--	30	REC	b
b	D ELEVATOR ROOM A/C	31	--	1	--	--					1	--	32	EF 32 PANTRY	b
		33					--	0 VA			1	20 A	34	SPARE	c
b	SKY CAM	35	--	3					--	--	1	--	36	EFS 23, 24, 27, 28	b
		37			--	--					1	--	38	EFS 21, 22, 25,26, 29, 30	b
b	CAMERA DECK SOUTH REC	39	--	1			--	0 VA			1	20 A	40	SPARE	c
b	CAMERA DECK MIDDLE REC	41	--	1					--	0 VA	1	20 A	42	SPARE	c
				Total Load:	6052 VA		5546 VA		3532 VA						
				Total Amps:	53 A		49 A		29 A						

Notes:
a - NEW LOAD ON A EXISTING BREAKER.
b - EXISTING ELECTRICAL LOAD.
c - EXISTING SPARE BREAKER.

Branch Panel: SHH

Location: ELECTRIC-1 383-1
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 22000
Mains Type: MLO
Mains Rating: 225 A

Header Notes:

THIS PANEL IS EXISTING.

Note	Circuit Description	CKT	Trip	Poles	A		B		C		Poles	Trip	CKT	Circuit Description	Note
a	RECS - SUITE 20 & TOLIET 20A	1	20 A	1	1260...	1260...					1	20 A	2	RECS - SUITE 15 & TOLIET 15A	a
a	REC - REFRIGERATOR - SUITE 20	3	20 A	1			800 VA	800 VA			1	20 A	4	REC - REFRIGERATOR - SUITE 15	a
a	REC - INDUCTION WARMER - SUITE 20	5	20 A	1					1800...	1800...	1	20 A	6	REC - INDUCTION WARMER - SUITE 15	a
a	RECS - ABOVE COUNTER - SUITE 20	7	20 A	1	720 VA	720 VA					1	20 A	8	RECS - ABOVE COUNTER - SUITE 15	a
a	RECS - SUITE 19 & TOLIET 19A	9	20 A	1			1260...	1260...			1	20 A	10	RECS - SUITE 14 & TOLIET 14A	a
a	REC - REFRIGERATOR - SUITE 19	11	20 A	1					800 VA	800 VA	1	20 A	12	REC - REFRIGERATOR - SUITE 14	a
a	REC - INDUCTION WARMER - SUITE 19	13	20 A	1	1800...	1800...					1	20 A	14	REC - INDUCTION WARMER - SUITE 14	a
a	RECS - ABOVE COUNTER - SUITE 19	15	20 A	1			720 VA	720 VA			1	20 A	16	RECS - ABOVE COUNTER - SUITE 14	a
a	RECS - SUITE 18 & TOLIET 18A	17	20 A	1					1260...	1260...	1	20 A	18	RECS - SUITE 13 & TOLIET 13A	a
a	REC - REFRIGERATOR - SUITE 18	19	20 A	1	800 VA	800 VA					1	20 A	20	REC - REFRIGERATOR - SUITE 13	a
a	REC - INDUCTION WARMER - SUITE 18	21	20 A	1			1800...	1800...			1	20 A	22	REC - INDUCTION WARMER - SUITE 13	a
a	RECS - ABOVE COUNTER - SUITE 18	23	20 A	1					720 VA	720 VA	1	20 A	24	RECS - ABOVE COUNTER - SUITE 13	a
a	RECS - SUITE 17 & TOLIET 17A	25	20 A	1	1260...	1260...					1	20 A	26	RECS - SUITE 12 & TOLIET 12A	a
a	REC - REFRIGERATOR - SUITE 17	27	20 A	1			800 VA	800 VA			1	20 A	28	REC - REFRIGERATOR - SUITE 12	a
a	REC - INDUCTION WARMER - SUITE 17	29	20 A	1					1400...	1400...	1	20 A	30	REC - INDUCTION WARMER - SUITE 12	a
a	RECS - ABOVE COUNTER - SUITE 17	31	20 A	1	720 VA	720 VA					1	20 A	32	RECS - ABOVE COUNTER - SUITE 12	a
a	RECS - SUITE 16 & TOLIET 16A	33	20 A	1			1260...	1260...			1	20 A	34	RECS - SUITE 11 & TOLIET 11A	a
a	REC - REFRIGERATOR - SUITE 16	35	20 A	1					800 VA	800 VA	1	20 A	36	REC - REFRIGERATOR - SUITE 11	a
a	REC - INDUCTION WARMER - SUITE 16	37	20 A	1	1800...	1800...					1	20 A	38	REC - INDUCTION WARMER - SUITE 11	a
a	RECS - ABOVE COUNTER - SUITE 16	39	20 A	1			720 VA	720 VA			1	20 A	40	RECS - ABOVE COUNTER - SUITE 11	a
	SPARE	41	20 A	1					0 VA	0 VA	1	20 A	42	SPARE	
				Total Load:	16720 VA		14720 VA		13560 VA						
				Total Amps:	141 A		124 A		113 A						

Notes:
a - NEW LOAD ON A EXISTING BREAKER.

Branch Panel: SJJ

Location: ELECTRIC-1 383-1
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 22000
Mains Type: MLO
Mains Rating: 225 A

Header Notes:

THIS PANEL IS EXISTING

Note	Circuit Description	CKT	Trip	Poles	A		B		C		Poles	Trip	CKT	Circuit Description	Note
	LIGHTING - SUITE 20	1	20 A	1	253 VA	253 VA					1	20 A	2	LIGHTING - SUITE 15	
	TVs & STEREO - SUITE 20	3	20 A	1			1260...	1260...			1	20 A	4	TVs & STEREO - SUITE 15	
	LIGHTING - SUITE 19	5	20 A	1					253 VA	253 VA	1	20 A	6	LIGHTING - SUITE 14	
	TVs & STEREO - SUITE 19	7	20 A	1	1260...	1260...					1	20 A	8	TVs & STEREO - SUITE 14	
	LIGHTING - SUITE 18	9	20 A	1			253 VA	253 VA			1	20 A	10	LIGHTING - SUITE 13	
	TVs & STEREO - SUITE 18	11	20 A	1					1260...	1260...	1	20 A	12	TVs & STEREO - SUITE 13	
	LIGHTING - SUITE 17	13	20 A	1	253 VA	253 VA					1	20 A	14	LIGHTING - SUITE 12	
	TVs & STEREO - SUITE 17	15	20 A	1			1260...	1260...			1	20 A	16	TVs & STEREO - SUITE 12	
	LIGHTING - SUITE 16	17	20 A	1					253 VA	253 VA	1	20 A	18	LIGHTING - SUITE 11	
	TVs & STEREO - SUITE 16	19	20 A	1	1260...	1260...					1	20 A	20	TVs & STEREO - SUITE 11	
		21					--	0 VA			1	20 A	22	SPARE	
	SKY CAM	23	--	3					--	0 VA	1	20 A	24	SPARE	
		25			--	0 VA					1	20 A	26	SPARE	
	SPARE	27	20 A	1			0 VA	0 VA			1	20 A	28	SPARE	
	SPARE	29	20 A	1					0 VA	--	1	--	30	REC CORRIDOR	
	SPARE	31	20 A	1	0 VA	--					1	--	32	ROOF - EF-19 COMM. RM. 385	
	SPARE	33	20 A	1			0 VA	--			1	--	34	EF ROOF FIRST AID 227	
	SPARE	35	20 A	1					0 VA	--	1	--	36	EXHAUST FANS 11, 12, 13,14	
	SPARE	37	20 A	1	0 VA	--					1	--	38	EXHAUST FANS 15, 17,19	
	CAMERA BOOTH / WEST PLAY CLOCK	39	--	1			--	0 VA			1	20 A	40	SPARE	
	CAMERA BOOTH	41	--	1					--	0 VA	1	20 A	42	SPARE	
				Total Load:	6052 VA		5546 VA		3532 VA						
				Total Amps:	53 A		49 A		29 A						

Notes:

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ELECTRICAL SCHEDULES
KROGER FIELD - SUITE RENOVATION
FOR THE:
UNIVERSITY OF KENTUCKY
LEXINGTON, KENTUCKY

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UK# 3186.0

Project No: 25041
Drawn By: NPD
Rev'd By: GGC
ISSUED FOR:

REVISIONS

#	DATE	DESCRIPTION
2	01/09/26	ADDENDUM

CONSTRUCTION DOCUMENTS

E601

ELECTRICAL SCHEDULES

DATE ISSUED:
12/08/2025