



Agenda
Huntington Planning Commission
Monday, January 5, 2026 – 5:30pm

1. Preliminaries
2. Call to Order
3. Roll Call
4. Election of Chair and Vice Chair
5. Approval of the December 1, 2025 Minutes
6. Old Business

PC 25-13

Issue: An ordinance of Council amending, modifying and re-enacting article 1340 of the codified ordinances of the City of Huntington, as revised, to amend definitions, the permit process, and standards for Outdoor Dining Areas, REVISED.

7. New Business

PC 26-01

Issue: A site plan review for a hotel development located at 550 Kinetic Drive that is approximately 2.03 acres. The parcel is zoned C-2 Highway Commercial.

Location: 550 Kinetic Dr., Huntington, WV 25701

Petitioner/Property Owner: Emerald Hospitality LLC, 489 Ironwood Gate Dr., Princeton, WV 24740

8. Good and Welfare
9. Adjournment

**Minutes
Huntington Planning Commission
December 1, 2025**

A meeting of the City of Huntington Planning Commission was held on December 1, 2025 at 5:30 p.m. in the City Council Chambers, 800 5th Avenue, Huntington, WV 25701.

Members Present: Holly Mount, Ford Rucker, Sharon Pell, Ursulette Ward, Matt White, and CW Dolin

Members Absent: Jean Simmons and Charles Shaw

Staff Present: Kenzie Roland, Planner I
Ericka Hernandez, Assistant City Attorney

Mr. Dolin motioned to approve the October 6, 2025 minutes. *Ms. Ward* seconded the motion. All were in favor, Minutes were approved.

Old Business

PC 25-12

Issue: A petition to make the following changes to the City of Huntington Zoning Ordinance:

1. Amend Article 1315 Definitions and Measurements to define additional terms related to Death Care Uses.
2. Amend Article 1320 Permitted Uses to amend Funeral Homes, Cemeteries, and Crematoriums.
3. Amend Article 1341 General Regulations to add Crematoriums to permitted accessory uses.
4. Amend Article 1341.29 to include regulations related to Death Care Uses.
5. Amend Article 1343 Parking requirements for Funeral Homes.

Ms. Roland read the staff report.

Ms. Mount asked for those in favor to the petition to speak.

Andrew Reger, a representative of Reger Funeral Home, stated he was in favor of the text amendment after discussing it with staff.

Ms. Mount asked for those in opposition of the petition to speak. No one spoke.

Mr. Rucker motioned to send to Council with a full recommendation. *Ms. Ward* seconded the motion. All were in favor, PC 25-12 was sent to Council with a full recommendation.

New Business

PC 25-13

Issue: An ordinance of Council amending, modifying and re-enacting article 1340 of the codified ordinances of the City of Huntington, as revised, to amend definitions, the permit process, and standards for Outdoor Dining Areas.

Ms. Roland read the staff report.

Ms. Mount asked for those in favor to the petition to speak. No one spoke.

Ms. Mount asked for those in opposition of the petition to speak. No one spoke.

Mr. White asked why this article is being amended. *Ms. Roland* responded that the text amendment was brought forward to simplify the process of permitting outdoor dining areas and make it easier for businesses to operate in the public space.

Mr. White asked how the businesses were being billed currently. *Zane Parsley*, Planning Director, stated the reason for the amendment is because the City was not billing the annual fee. *Mr. White* then asked if businesses would be charged an annual fee. *Mr. Parsley* stated that there would be no annual fee.

Ms. Mount agreed that the one-time would be more business friendly and not worth the time of the staff. *Ms. Roland* stated that the City's comprehensive plan mentions a goal to keep the downtown area thriving and this text amendment would help achieve it.

Ms. Mount disclosed ex parte communication. She stated that another member of City Council had reached out to ask if this was related to PODA (Private Outdoor Designated Areas).

Mr. Rucker motioned to forward to Council with a favorable recommendation. *Mr. Dolin* seconded the motion. All were in favor, PC 25-13 was recommended favorably to Council.

Good and Welfare

Mr. Rucker motioned to adjourn the meeting. *Mr. Dolin* seconded the motion. All were in favor.

Meeting adjourned at 5:43 pm.

Date approved: _____

Chairperson: _____ Prepared by: _____
Holly Mount, Chair Kenzie Roland, Planner I

City of Huntington Planning Commission

December 1, 2025

Staff Report: An ordinance of Council amending, modifying and re-enacting article 1340 of the codified ordinances of the City of Huntington, as revised, to amend definitions, the permit process, and standards for Outdoor Dining Areas.

PC 25-13

Issue: An ordinance of Council amending, modifying and re-enacting article 1340 of the codified ordinances of the City of Huntington, as revised, to amend definitions, the permit process, and standards for Outdoor Dining Areas.

Petitioner: City of Huntington, 800 5th Avenue, Huntington, WV 25701

Introduction

This is a petition to update the City of Huntington's Zoning Ordinance to amend definitions, the permit process, and standards for Outdoor Dining Areas.

Existing Code

Under the existing code, outdoor dining areas are defined using three different definitions of *Small partitioned area*, *Large partitioned area*, and *Non-partitioned area*, although the difference includes being fenced and linear footage along storefront. Each type of outdoor dining area has a different annual administrative and renewal fee. The code also requires certain hours of operation of the outdoor dining areas, limiting it to only when the kitchen of the establishment is open and food is being served. Overall, the current code is complex and is specifically geared towards restaurants and restaurants serving alcohol.

Proposed Code Changes

Amend Section 1340.04 Definitions

- Amend "Operator"
- Add "Partitioned area"
- Remove "Small partitioned area"
- Remove "Large partitioned area"

Amend Section 1340.05 Permit Process

In Section 1340.05, the proposed amendment would transition from an initial and annual renewal fee of the differing outdoor dining areas to a one-time fee upon initial application for all permitted outdoor dining areas.

Amend Section 1340.06 Standards for Outdoor Dining Areas

In Section 1340.06, the proposed amendment would remove operating within certain hours and only require them to follow serving regulations laid out by the WVABCA regarding permitted days and times of service, if serving alcohol.

PC 25-13 Staff Report

Staff Comments

Article 1340 Outdoor Dining was enacted in 2018 and has acted as a good baseline. However, enforcement has been difficult due to complex regulations under the existing code. The proposed amendments would simplify the definitions to easily determine how to proceed, relieve a financial burden on expanding their business into the public right-of-way, and remove and amend language to be more inclusive of bars and other food industry establishments.

The amendment, addition, and removal of the definitions proposed will open up the types of businesses when referring to their operators and only have a clear difference between “partitioned” and “non-partitioned” areas. The differing fees for different size of outdoor dining areas was difficult to manage as well as enforce. The simplification of a one-time fee upon application promotes ease when obtaining the permit and promotes a business-friendly partnership.

The proposed amendment would alleviate the operator of the outdoor dining area from operating within certain hours and only require them to follow serving regulations laid out by the WVABCA. It will also open the door to small-scale businesses, such as pastry shops, coffee shops, or the like, who may operate differently from a full-scale kitchen restaurant.

Comprehensive Plan

Currently the Zoning Ordinance for Outdoor Dining Areas focuses on restaurants and restaurants serving alcohol. However, it does not essentially target bars or smaller-scale food businesses. The Comprehensive Plan, Plan 2035 does mention the need to create a diverse retail and business environment. Therefore, the proposed amendment would allow current and new businesses to easily obtain a permit with the City by simplifying the fee and process, while promoting achievable growth and a more enjoyable experience.

Attachments

- K Proposed Amendments : Additions are underlined and withdrawn text are stricken through

**AN ORDINANCE OF COUNCIL AMENDING, MODIFYING AND RE-ENACTING
ARTICLE 1340 OF THE CODIFIED ORDINANCES OF THE CITY OF HUNTINGTON,
AS REVISED, TO AMEND DEFINITIONS, THE PERMIT PROCESS, AND
STANDARDS FOR OUTDOOR DINING AREAS.**

**BE IT ORDAINED BY THE COUNCIL OF THE CITY OF HUNTINGTON,
CABELL AND WAYNE COUNTIES, WEST VIRGINIA,** that Article 1340 of the Codified
Ordinances of the City of Huntington, as revised, is hereby **AMENDED, MODIFIED AND RE-
ENACTED** to read as follows:

ARTICLE 1340
OUTDOOR DINING AND OUTDOOR SERVICE OF ALCOHOL

1340.04 DEFINITIONS.

- (a) "Operator" shall mean a person, organization, proprietorship, corporation or other similar entity lawfully operating a business located in a district zoned for commercial use that possesses a valid ~~State of West Virginia food vendor's~~ county health department permit and serves ~~at a minimum both lunch and dinner~~ food and/or drink for on-premise consumption, and has been issued an outdoor dining area permit by the city's ~~planning department~~.
- (b) "Outdoor dining area" shall mean a confined area of the public sidewalk designated by a site plan approved by the city through its planning department and located in a commercial district, as shown on the City of Huntington's Official Zoning Map, where, if abutting a street, the street abutting the sidewalk is posted at a speed limit of 25 mph or less, and which area is adjacent to operator's building/permanent structure, where patrons may sit at tables while consuming food and beverages, which may include alcoholic beverages contingent on proper licensure by the WVABCA.
- (c) "~~Small p~~Partitioned area" shall mean an outdoor dining area that is fenced or otherwise enclosed ~~and occupies 30 or less of linear feet~~ along the adjacent storefront.
- (d) "~~Large partitioned area~~" shall mean ~~an outdoor dining area that is fenced or otherwise enclosed and occupies greater than 30 feet of linear feet along the adjacent storefront.~~
- (e) ——"Non-partitioned area" shall mean an outdoor dining area that is not fenced or otherwise enclosed.

1340.05 PERMIT PROCESS.

* * *

- (c) The outdoor dining area permit term shall be for one fiscal year, renewed July 1, unless revoked prior to expiration, and may be renewed on an annual basis. An ~~annual~~ administrative fee of \$100 ~~for a non-partitioned outdoor dining area, a \$250 administrative fee~~ shall be assessed for

a small partitioned outdoor dining area or a \$500 administrative fee for a large petitioned area, shall be assessed upon initial application renewal of an existing outdoor dining area permit.

* * *

1340.06 STANDARDS FOR OUTDOOR DINING AREAS.

(a) The outdoor dining area shall be located adjacent to the property of an existing and lawful establishment of a permitted operator and shall be under the responsible direction and control of that operator.

(b) ~~The outdoor dining area may be open to patrons between the hours of 7:00 a.m. and 11:00 p.m. daily, but said outdoor dining area may only be open while the kitchen associated with such establishment is open and operating such that it is capable of serving food to patrons.~~ In the event a permitted operator intends to serve any beverage regulated by the WVABCA in an outdoor dining area, all code provisions and regulations of the WVABCA regarding permitted days and hours of service shall be followed. If a bar is proposing to allow for outdoor drinking, ~~and do not meet the dining requirements listed above~~ they may petition to go before the board of zoning appeals to allow for an expansion to their existing special permit/conditional use permit if all other site and location requirements can be met.

* * *

.....
BE IT FURTHER ORDAINED that all other articles, sections and subsections of the Codified Ordinances of the City of Huntington, as revised, shall remain in full force and effect until further Ordinance of this Council.

BE IT FURTHER ORDAINED that the amendments to Article 1340 shall become effective upon its adoption by Council and approval by the Mayor.

SPONSORED BY _____

APPROVED AS TO FORM BY EBH _____

FIRST READING _____

SECOND READING _____

DATE _____

BARBARA MILLER, CITY CLERK

DATE

PATRICK J. FARRELL, MAYOR

APPROVE

DATE _____

VETO

City of Huntington Planning Commission

January 5, 2026

Staff Memorandum: A petition to amend Article 1340 of the Zoning Ordinance.

After the Planning Commission recommended favorably the text amendment to Council, it was brought to the attention of staff that additional areas of the ordinance needed to be revised. This memorandum is intended to be included in the Planning Commission's record.

The following additional amendments are being made to ensure the ordinance reads clearly:

Section 1340.05

d. Any operator holding a valid existing permit for a particular outdoor dining area that continues to utilize that outdoor dining area, shall be deemed to have re-applied for permission to use the same space for a succeeding permit term. Such operator shall ~~pay the applicable annual renewal administrative fee,~~ complete all renewal paperwork and comply with any other renewal requirements of the planning department, within 30 days of the commencement of the succeeding permit term. If the operator fails to meet all renewal requirements within the 30 days, then the operator's permit shall be deemed to have expired.

Section 1340.07

b. The applicant shall maintain such general liability insurance with at least \$1,000,000.00 coverage per each occurrence and shall ~~the~~ name as additional insured the City of Huntington, its agents, officer, directors, and employees. A copy of said insurance policy shall be furnished to the City of Huntington annually.

Attachments

- Proposed Amendments: Additions are underlined and withdraw text are stricken through

**AN ORDINANCE OF COUNCIL AMENDING, MODIFYING AND RE-ENACTING
ARTICLE 1340 OF THE CODIFIED ORDINANCES OF THE CITY OF HUNTINGTON,
AS REVISED, TO ALLOW FOR THE OUTDOOR DINING AND OUTDOOR SERVICE
OF ALCOHOL.**

**BE IT ORDAINED BY THE COUNCIL OF THE CITY OF HUNTINGTON,
CABELL AND WAYNE COUNTIES, WEST VIRGINIA,** that Article 1340 of the Codified
Ordinances of the City of Huntington, as revised, is hereby **AMENDED, MODIFIED AND RE-
ENACTED** to read as follows:

**ARTICLE 1340
OUTDOOR DINING AND OUTDOOR SERVICE OF ALCOHOL**

1340.01 PLANNING DEPARTMENT RULES AND REGULATIONS UNDER ARTICLE.

The City of Huntington Department of Planning and Development ("planning department") is hereby authorized to promulgate reasonable rules and regulations regarding the administration of the requirements of this article, to review all outdoor dining area permit applications and to either grant or deny such permits under this article. Copies of such regulations, as amended from time to time, shall be maintained by the planning department, posted on the city's website and filed in the city clerk's office, and shall be available to interested parties at all reasonable times.

**1340.02 COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS AND
REGULATIONS.**

- (a) The operation of an outdoor dining area pursuant to a permit granted under this article shall comply with the Americans with Disabilities Act, all provisions of state and local building and fire codes, as well as all state and local health laws and regulations regarding the service and preparation of food, and shall not unreasonably interfere with utility access. The operations of an outdoor dining area shall also be conducted in accordance with the code provisions and regulations of the West Virginia Alcoholic Beverage Control Administration (WVABCA). Nothing in this article shall be intended to alter or abridge any applicable federal, state and local laws or the operator's responsibility to comply with all code provisions and regulations of the WVABCA.
- (b) Nothing in this article shall be intended to alter or abridge the prohibition of service of alcoholic beverages or possession thereof on public property in the city, as set forth in section 516.06 of the Huntington Revised Code, except that any permitted outdoor dining area operator and patrons of permitted operator's outdoor dining area shall be deemed to be exempt from said

prohibition during the hours of operation of the outdoor dining area and only within the confines of said area.

1340.03 NONDISCRIMINATION/RIGHT TO LIMIT OR DENY ADMISSION OR SERVICE.

No person shall be denied access or service to an outdoor dining area on the basis of race as defined in Article 147, religion, national origin, sex, sexual orientation, age or disability; notwithstanding the right of the operator to limit access and admission to an outdoor dining area to only bona fide paying customers of that operator's establishment who are behaving in a lawful manner.

1340.04 DEFINITIONS.

(a) "Operator" shall mean a person, organization, proprietorship, corporation or other similar entity lawfully operating a business located in a district zoned for commercial use that possesses a valid ~~State of West Virginia food vendor's~~ county health department permit and serves ~~at a minimum both lunch and dinner~~ food and/or drink for on-premise consumption, and has been issued an outdoor dining area permit by the city's ~~planning department~~.

(b) "Outdoor dining area" shall mean a confined area of the public sidewalk designated by a site plan approved by the city through its planning department and located in a commercial district, as shown on the City of Huntington's Official Zoning Map, where, if abutting a street, the street abutting the sidewalk is posted at a speed limit of 25 mph or less, and which area is adjacent to operator's building/permanent structure, where patrons may sit at tables while consuming food and beverages, which may include alcoholic beverages contingent on proper licensure by the WVABCA.

(c) "~~Small p~~Partitioned area" shall mean an outdoor dining area that is fenced or otherwise enclosed ~~and occupies 30 or less of linear feet~~ along the adjacent storefront.

(d) "~~Large partitioned area~~" shall ~~mean an outdoor dining area that is fenced or otherwise enclosed and occupies greater than 30 feet of linear feet along the adjacent storefront.~~

(e) ——"Non-partitioned area" shall mean an outdoor dining area that is not fenced or otherwise enclosed.

1340.05 PERMIT PROCESS.

(a) An applicant for an outdoor dining area permit shall file an application with the City of Huntington Planning office on such forms and subject to such procedures as the Planner may establish. An application for an outdoor dining area permit shall be accompanied by the appropriate administrative fee as listed in section 1340.05(c), a \$5,000 surety bond for partitioned outdoor dining areas, and shall include: a site plan, drawn to scale showing the layout for the outdoor dining area which accurately depicts the existing sidewalk conditions, including sidewalk width from building face to curb; location and dimensions of tree wells; locations of lamp posts, traffic and parking signs, signal poles, trash receptacles, benches, and other sidewalk features or obstructions; as well as design, location, size and space of the dining area, chairs, tables, aisles between tables, and if applicable, enclosures; routes of ingress and egress; clearances between the seating area and the curb; and any such additional requirements of the planning department with respect to type,

style, or specifications of the outdoor dining area, including those requirements subject to the approval of the WVABCA.

(b) After reviewing the application and site plan, the planner shall determine if the proposed outdoor dining area, consistent with the requirements of this article, is reasonable, promotes safe pedestrian and retail friendly vitality, and that there is adequate space remaining within the public right-of-way to facilitate safe circulation of pedestrian traffic, while promoting the overall public health, safety and welfare. The planner may require that the applicant obtain the approval of other departments or utilities before making a final determination. Thereafter, the planning department may approve, approve with conditions, or deny an application. The approved plan and permit shall be posted at the operator's premises, visible to customers and the public. No material change to the approved plan shall be made without prior written approval by the planning department. The planning department shall provide separate guidelines regarding applicable standards for uniform aesthetics, design, installation, and maintenance of the outdoor dining area and the Planning Commission will review these guidelines annually.

(c) The outdoor dining area permit term shall be for one fiscal year, renewed July 1, unless revoked prior to expiration, and may be renewed on an annual basis. ~~An annual administrative fee of \$100 for a non-partitioned outdoor dining area, a \$250 administrative fee shall be assessed for a small partitioned outdoor dining area or a \$500 administrative fee for a large partitioned area, shall be assessed upon initial application renewal~~ of an existing outdoor dining area permit.

(d) Any operator holding a valid existing permit for a particular outdoor dining area that continues to utilize that outdoor dining area, shall be deemed to have re-applied for permission to use the same space for a succeeding permit term. Such operator shall ~~pay the applicable annual renewal administrative fee,~~ complete all renewal paperwork and comply with any other renewal requirements of the planning department, within 30 days of the commencement of the succeeding permit term. If the operator fails to meet all renewal requirements within the 30 days, then the operator's permit shall be deemed to have expired.

(e) The issuance of an outdoor dining area permit does not grant or imply vested rights to use of the area by the operator, but instead is a privilege granted to the operator. The city retains the right to deny the issuance of a permit or the renewal of a permit for any lawful reason. The city shall have broad discretion to grant or revoke permits issued pursuant to this article in the interests of promoting pedestrian and retail friendly vitality, and improving the overall public health, safety and welfare.

1340.06 STANDARDS FOR OUTDOOR DINING AREAS.

(a) The outdoor dining area shall be located adjacent to the property of an existing and lawful establishment of a permitted operator and shall be under the responsible direction and control of that operator.

~~(b) The outdoor dining area may be open to patrons between the hours of 7:00 a.m. and 11:00 p.m. daily, but said outdoor dining area may only be open while the kitchen associated with such establishment is open and operating such that it is capable of serving food to patrons. In the event a permitted operator intends to serve any beverage regulated by the WVABCA in an outdoor~~

dining area, all code provisions and regulations of the WVABCA regarding permitted days and hours of service shall be followed. If a bar is proposing to allow for outdoor drinking, ~~and do not meet the dining requirements listed above~~ they may petition to go before the board of zoning appeals to allow for an expansion to their existing special permit/conditional use permit if all other site and location requirements can be met.

(c) All furniture or other personal property located on the public sidewalk/right-of-way by operator must be readily removable without damage to the surface of public sidewalk/right-of-way. Penetrations into or permanent fixtures placed upon the public sidewalk/right-of-way by operator are strictly prohibited. If a permanent fixture is placed upon the right-of-way by the operator, the outdoor dining area permit shall be revoked immediately and the public right-of-way returned to its original condition.

(d) As authorized by state law, including, but not limited to, W. Va. Code §§ 8-12-5(4), (20) and (44), all partitions or fencing required for the delineation, designation, or enclosure of the outdoor dining area on city right-of-way shall be provided, installed, maintained and removed by and at the discretion of the city, shall remain property of the city, and no other partitions or fencing shall be permitted absent a finding by the planning department that the city is unable to provide said partitions or fencing, and that the proposed partitions or fencing are consistent with applicable standards for uniform aesthetics, design, installation, maintenance and removal.

(e) The planning department shall have the authority to determine when furniture, personal property and associated enclosures must be removed from the public sidewalk/right-of-way.

(f) An unobstructed corridor space of 60 inches must be maintained between the outer dimension of the outside dining area and the curb or nearest obstruction, in order to ensure a clear pedestrian passageway along the sidewalk. Provided however that the planner may reduce this to a minimum of 36 inches of unobstructed corridor space with approvals from appropriate departments. In order to achieve a continuous pedestrian walk way, the pedestrian passageway shall be a straight line, parallel to the building face or curb line, for the entire length of the outdoor dining area. If the Americans with Disabilities Act requires a greater space, then the federal law shall control.

(g) An unobstructed clearance of 36 inches, must be maintained between a fire connection and any furniture or enclosures of an outdoor dining area. If the city's Fire Code requires a greater space, that Code shall control.

(h) The outdoor dining area must be kept sanitary, neat and clean at all times and shall be free from the accumulation of food, broken tableware, and litter.

(i) In order to control litter, the use of disposable tableware and utensils is prohibited.

(j) In accordance with section 572.04 of the Huntington Revised Code, noise from an outdoor dining area which unreasonably disturbs neighboring commercial or residential occupants is prohibited.

(k) In order to serve any beverage regulated by the WVABCA in an outdoor dining area, the designated area must be included in the floor plan for the licensed premises as approved by the WVABCA. Any beverage regulated by the WVABCA shall be served and consumed only on the enclosed or bounded portion of the public sidewalk designated and permitted by the city as an

outdoor dining area. Patrons are not permitted to carry any beverage regulated by the WVABCA out of the outdoor dining area.

- (l) Smoking is prohibited within any outdoor dining area.

1340.07 ADDITIONAL REQUIREMENTS.

(a) Prior to the issuance of a permit, the applicant must agree, in writing, that it shall indemnify, defend, and save harmless the city, its officers, agents, and employees, from and against all liability, claims, suits, damages, losses, costs, attorneys' fees and expenses of any or all types arising out of, or related in any way to, the permitted outdoor dining area.

(b) The applicant shall maintain ~~such~~ general liability insurance with at least \$1,000,000 coverage per each occurrence and shall ~~the~~ name as additional insured the City of Huntington, its agents, officers, directors and employees. A copy of said insurance policy shall be furnished to the City of Huntington annually.

(c) The authorization and privilege granted by a permit approved under this section shall be terminated due to the operator's failure to comply with any federal, state or local laws, any unabated nuisances or whenever the city desires to use the affected public right-of-way for any public purpose. In the event the city shall have a public need for use of the right-of-way or the property affected by the right-of-way, the city may terminate the use of such right-of-way by written notification to the applicant for the removal of any encroachments, and the operator shall cease use of the right-of-way unless and until such time the city has no public need for use of the right-of-way. Said removal shall be completed by the date specified in the notice and shall be accomplished by the applicant without cost to the city. If the applicant fails or neglects to remove the encroachment within the time specified, the city shall have the right to remove the encroachment, at the expense of the operator, and shall not be liable to the operator for any loss, financial or otherwise, or damage to the encroachment or personal property within the encroachment area.

1340.08 DENIAL OR REVOCATION OF PERMIT.

(a) An outdoor dining area permit is a privilege granted to the operator that may be revoked by the city upon finding by the planning department that the operator has violated any federal, state or city law applicable to the outdoor dining area or the operation thereof, including but not limited to, compliance with all code provisions and regulations of the WVABCA, that the continued operation of the outdoor dining area poses a threat to the health, safety or welfare of the public, or that the outdoor dining area constitutes a public nuisance.

(b) An applicant who has been denied a permit, or an operator whose permit has been revoked, may appeal the denial or revocation to the City of Huntington Board of Zoning Appeals (BZA). The provisions of Article 13 of the City of Huntington Zoning Ordinance shall apply. Such appeal may be made in writing within 30 days following the decision appealed from, on forms available at the planning department, and shall set forth the basis on which the person contests the decision. Within ten days of receipt of the appeal by the BZA, the BZA shall set a date and time for a public

hearing. The public hearing shall be held within 45 days of receipt of the appeal to the BZA. The BZA shall conduct a public hearing on the appeal and may: deny the appeal and uphold the original order, requirement, decision or determination; grant the appeal and overturn the original order, requirement, decision or determination; or, issue an order which denies part of the appeal and grants part of the appeal. The BZA shall make written findings of fact and conclusions of law on which the BZA based its decision. The decision of the BZA may be appealed by either party, within 30 days, to the Cabell County Circuit Court, as set forth in WV Code § 8A-9-1, et seq.

1340.09 NO GRANDFATHER PROVISION.

All outdoor dining areas on city right-of-way in operation at the time of the enactment of this article, as well as all such areas that are licensed thereafter, shall be subject to each provision of this article. No grandfather provision is applicable. No act of any person or business entity prior to the effective date of this article, which would be considered a violation under this article if it were in effect, shall be subject to prosecution.

1340.10 SEVERABILITY.

Each section of this article shall be severable from the others, and if any section or portion thereof shall be determined to be unenforceable, then the remaining sections shall remain in full force and effect.

1340.99 PENALTY.

Any operator who violates any provision of this article shall, upon conviction, be fined up to \$500 per day. Each day any violation of this article shall continue shall constitute a separate offense.

.....
BE IT FURTHER ORDAINED that all other articles, sections and subsections of the Codified Ordinances of the City of Huntington, as revised, shall remain in full force and effect until further Ordinance of this Council.

BE IT FURTHER ORDAINED that the amendments to Article 1340 shall become effective upon its adoption by Council and approval by the Mayor.

SPONSORED BY _____

APPROVED AS TO FORM BY EBH_____

FIRST READING _____

SECOND READING _____

DATE _____

BARBARA MILLER, CITY CLERK

DATE

PATRICK J. FARRELL, MAYOR

APPROVE

DATE _____

VETO

PC 26-01

Issue: A site plan review for a hotel development located at 550 Kinetic Drive that is approximately 2.03 acres. The parcel is zoned C-2 Highway Commercial.

Property Location: 550 Kinetic Drive, Huntington, WV 25701

Petitioner/Property Owner: Emerald Hospitality, 489 Ironwood Gate Drive, Princeton, WV 24740

Planning Commission Role

PC 26-01 is the public hearing for a preliminary site plan review. Because the site is over one (1) acre, the plan must be approved through a public hearing of the Planning Commission. The Planning Commission's responsibility includes:

1. Receiving recommendations from staff and responding agencies and utilities.
2. Reviewing the design of future developments early in its design.
3. Ensuring that the requirements of the development design standards in the development ordinance are met.
4. Conformity with the Comprehensive Plan.
5. Reviewing waiver requests, when applicable.

Planning Commission Duties

Upon presentation of the preliminary plan at the public hearing, the Planning Commission will review recommendations from staff, other agencies, and experts, if used, and then approve, disapprove, or require that the

developer provide more information about the preliminary plans.

Planning Commission provides the final decision and the item will not go before City Council. If approved by the Planning Commission, full plan sets can be submitted for review for building permit applications, with no City Council action or approval.

Public Notification

- Property owners and tenants within a 400 ft. radius of this property were notified of the proposed development and hearing via letter.
- A legal ad was posted in the Herald Dispatch.

Introduction to the Petition

Emerald Hospitality is petitioning for the site plan review of a hotel. The site is approximately 2.03 acres. The property is located at 550 Kinetic Drive.

Existing Conditions/Background

The proposed site is currently vacant and was acquired by Emerald Hospitality LLC in September of 2023.

Because this site is over one (1) acre, plans need to be approved by Planning Commission through a public hearing process before applying for a building permit.

Proposed Conditions

The petitioner is proposing to develop the vacant lot located at 550 Kinetic Drive into a new hotel. The hotel is expected to consist of 107 rooms across four floors, with amenities

PC 26-01 Staff Report

such as a large lobby, dining area, outdoor pool and deck, and an indoor recreational facility.

Development Ordinance

The Development Ordinance designates any commercial development of one (1) acre or more as a major development, triggering special requirements and review.

Factors to consider when reviewing this type of development also include:

- suitability of the land for development due to natural condition, such as flooding, drainage, and topography
- public installations such as location of schools or transportation facilities
- conditions which may endanger health, life, or property
- conformity with the zoning district requirements
- conformity with the comprehensive plan

The Planning Commission may only consider evidence presented for the record which is relevant to authorized grounds for approval.¹

If applicant meets all requirements, the Commission is required to approve the plat.²

Zoning

The property is zoned C-2 Highway Commercial. The purpose of this zoning district is to provide varied professional, personal, and retail services convenient to the neighborhoods in an attractive setting and considerate of traffic safety concerns resulting from location along the major corridors of the City.

The proposed use of a hotel/inn is permitted by right in the C-2 Highway Commercial district.

Comprehensive Plan2035

Staff review finds that the proposed development is in conformity with the Future Land Use map of the comprehensive plan, Plan2035. Plan2035 designates this area as Convenience Commercial, which is designed accommodate a wide range of commercial and institutional uses running along Huntington's major roadways. Uses related to retail, service, and employment are dominant along convenience commercial areas, with structures oriented toward the street.

Department/Agency Comments

- Cabell Huntington Health Department: They will need to obtain three health permits (recreational water facility, food establishment, hotel general). Plan review submittals for the hotel/motel and food establishment would need to be submitted to the health department for approval. A determination would need to be made regarding whether it would require a grease trap. Plans for recreational water facilities must be submitted to the state's Environmental Engineering Division of OEHS for approval before construction.
- Public Works: No concerns or questions.
- Huntington Stormwater Utility: Plans currently under review with comments sent to the developer.
- Huntington Sanitary Board: No issues.
- Mountaineer Gas: There is a 3" plastic line marked that runs along the front of the

PC 26-01 Staff Report

property for other gas users in the area. In response, Staff sent mechanical plans for potential gas service.

- Appalachian Power (AEP): Review pending.
- West Virginia American Water (WVAW): No comment.

Pictures



View of the property in a northerly direction from Kinetic Drive.



View of the property in an easterly direction from Kinetic Drive.



View of the property in a westerly direction from the Fairfield Suites parking lot.

Staff Comments

In considering plans for new development, the Planning Commission and staff must consider compatibility with surrounding uses; impact on vehicular, freight, bicycle, and pedestrian traffic; capacity of existing utilities and city services, and zoning.

Currently in Kinetic Park, there are several operating businesses. When entering the business park, to the right is an office building with services such as dentistry, dermatology, and accounting. In addition to the office building, there is a car dealership and auto shop, a pediatric dental office, Amazon customer service building, and American Red Cross. The lot to the right of the proposed development is the Fairfield Inn, another hotel development. Staff believes the proposed development would not negatively affect the surrounding businesses, their operations, and future developments.

Kinetic Park was designed with a two-lane road with lots on the outside and inside of the circle. Staff does not anticipate this development will have a negative effect on

PC 26-01 Staff Report

the vehicular, freight, bicycle, and pedestrian traffic, especially since another hotel development is able to operate in the business park.

Due to the size of the development, plans were submitted to Huntington Stormwater Utility Plans and are currently under review with comments sent to the applicant. The applicant had a geotechnical report and hydrology study conducted for the development. Both reports indicated that the proposed development should be successful upon following the recommendations from the engineering firm. Mountaineer Gas Company requested additional information for load purposes. Appalachian Power stated they needed more time to review the plans to ensure the proposed development can be supported. The City Public Works department and Huntington Sanitary Board stated they see no issues with the proposed development. In addition to the utility review, the applicant will need to secure three permits before operating from the Cabell Huntington Health Department and the state's Environmental Engineering Division of OEHS.

In conclusion, the proposed development of a hotel will not negatively impact the surrounding area, but rather promote development of a vacant lot. A hotel development can increase the amount of outside City and state residents that can visit, which will contribute to the economy of the City. In an effort to achieve goals stated in the Comprehensive Plan, a hotel development will promote development on a vacant lot and create job opportunities for the City and surrounding areas.

Staff Recommendation

Staff recommends approval of the proposed development due to the alignment with the Comprehensive Plan; compatibility with surrounding uses; impact on vehicular, freight, bicycle, and pedestrian traffic; capacity of existing utilities and city services; and zoning.

Attachments

- Application
- Aerial Map
- Zoning Map
- Future Land Use Map
- Site Plan
- Building Elevations
- Utility Comment Emails
- Hydrology Study (available upon request)
- Geotechnical report (available upon request)



Major Subdivision Application

Huntington Planning Commission

800 5th Avenue

Huntington, WV 25717-1659

This application should be used for a division of a tract/parcel of land that involves the following:

- Commercial, industrial, governmental, religious, non-profit or public, and multi-family residential developments of one (1) acre or more.
- Single-family residential developments of 4 or more lots. Single-family residential developments of 1-3 lots that fall under Article 1389 Hillside Regulations.
- Any development requiring any streets or extension of the local governmental facilities, or the creation of any public improvement.

Please complete and return this application along with a Plat/Survey of the subdivision, a Metes & Bounds Description prepared by a Certified Surveyor, two (2) copies of the Preliminary Plans and a \$100 processing fee to the Planning and Zoning Office located in Room 2 of City Hall.

The Planning Commission, Public Works Director, and Cabell County Health Department will review the application. If you have any questions, please contact the Planning Department at 304-696-5540 opt. 3 or by email at

PART ONE: PROPERTY INFORMATION

Street Address of Subject Property (s): 550 Kinetic drive, Huntington, WV 25701
District: 6 Tax Map: 83 Parcel(s): 10
Zoning Classification: Commercial

PART TWO: APPLICANT/OWNER INFORMATION

Name: Emerald Hospitality
Street Address: 489 Ironwood gate drive
City: Perrinton State: WV Zip Code: 24740
Telephone: (304) 922-0396 Email: vp@vpmgmt.org

All plats/surveys are to be completed by a Registered Surveyor and shall meet the West Virginia Board of Professional Surveyors Minimum Standards for Boundary Surveys, which include, but are not limited to:

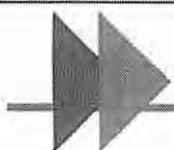
- | | |
|---|--|
| • Map Number and Parcels | • Scale, North Arrow, Basis of Bearings |
| • Lot Numbers | • Adjoining Owners — Deed Reference |
| • Lot Dimensions | • Adjoining Subdivision(s) — Plat Reference |
| • Parent Tract Identification | • Name and Width of Adjoining Right-of-Ways |
| • Name of Subdivision | • Owner Name |
| • District or Municipality, County, and State | • Name and Stamp/Seal of Registered Surveyor |
| • Check of Error of Closure and Area | • Date of Survey |
| • Monumentation | |

By signing below, the applicant agrees that they have read and completed the Major Subdivision Application, and to the best of their knowledge the information reflected here and in the Survey and Metes & Bounds Description is correct.

Vishnu Patel
Applicant's Signature

11/19/2025

Date



Eastham & Associates

Engineers - Surveyors - Planners

DESCRIPTION

for LOT NUMBER 5 KINETIC PARK

All that certain piece or parcel of land situate in the City of Huntington, Cabell County, West Virginia, and being all of Lot Number Five (5) of Kinetic Park, and being more particularly bounded and described as follows:

BEGINNING at a 5/8" reinforcing rod with a yellow plastic cap stamped "Terradon" (found), on the northerly right-of-way line of West Virginia Secondary State Route No. 10/20, commonly known as Kinetic Drive, marking a corner common to Lot No. 6, now or formerly owned by Hill Top Hotel, LLC, (D.B. 1318, Pg. 612), and Lot No. 5, now owned by the Huntington Municipal Development Authority, (D.B. 1059, Pg. 44), and has a coordinate value of North 511,051.66, and East 1,560,867.64; thence, leaving the lands of the said Hill Top Hotel, LLC, (Lot No. 6), and with the northerly, and easterly right-of-way line of the said Drive, as follows:

South 57° 48' 55" West 124.97 feet; thence, with a curve to the right, having a radius of 296.94 feet, and an arc length of 288.46 feet, the long chord of which bears:

South 85° 38' 42" West 277.25 feet to a 5/8" x 32" reinforcing rod with a red plastic cap stamped "Eastham & Associates" (set); thence, with a curve to the right, having a radius of 348.50 feet, and an arc length of 62.81 feet, the long chord of which bears:

North 11° 05' 16" West 62.72 feet; thence, with a curve to the right, having a radius of 230.46 feet, and an arc length of 129.18 feet, the long chord of which bears:

North 10° 07' 43" East 127.49 feet to a 5/8" x 32" reinforcing rod with a red plastic cap stamped "Eastham & Associates" (set); thence, leaving the easterly right-of-way line of the said Drive, and severing the lands of the said Huntington Municipal Development Authority,

North 57° 48' 59" East 261.76 feet to a 5/8" reinforcing rod with a yellow plastic cap stamped "Terradon" (found), marking a corner common to the lands of the said Hill Top Hotel, LLC, (Lot No. 6); thence, with the lands of the said Hill Top Hotel, LLC, and the line between the said Lot Nos. 5 and 6,

South 32° 11' 00" East, passing a 5/8" reinforcing rod with a yellow plastic cap stamped "Terradon" (found), at 162.27 feet, in all 282.22 feet to the POINT OF BEGINNING, containing 2.044 acres, more or less, as surveyed under the supervision of Jeffrey M. Eastham, Licensed West Virginia Professional Surveyor No. 2067, on December 5, 2017, and being all of Lot Number. Five (5), as shown on the attached plat and made a part of this description.

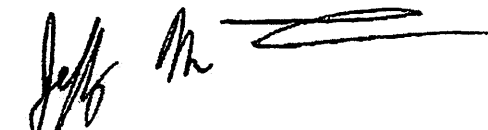
The above survey datum is based on digital drawings provided by the Huntington Municipal Development Authority, and the West Virginia State plane Coordinate System, South Zone, NAD '83, feet.

The above described tract of land is a part of the same land as described in a deed from The City of Huntington, a West Virginia Municipal Corporation, to the Huntington Municipal Development Authority, a public corporation, dated January 14, 2000, and recorded in Deed Book 1059, Page 44, in the Office of the Clerk of the County Commission of Cabell County, West Virginia.

This survey does not constitute a Title Search by the Surveyor. No Title Commitment was provided. This survey is subject to all restrictions, reservations, right-of-ways, easements, utilities, covenants, exceptions, conveyances, leases and exclusions previously imposed and appearing of record, and those not of record.

There is to be reserved and excepted a 15-foot utility easement, along the northerly and easterly right-of-way line of the said Kinetic Drive. The location of which is shown on the attached plat.

Being a part of Tax Map No. 83, Parcel No. 10.



Jeffrey M. Eastham, P.S.
Registration No. 2067



WEST VIRGINIA
CABELL COUNTY
CITY OF HUNTINGTON

Survey datum is based on the West Virginia State Plane Coordinate System, South Zone, NAD '83, feet, and on digital drawings provided by the Huntington Municipal Development Authority.

E: 1,561,000



N/F
HILL TOP HOTEL, LLC
D.B. 1318, Pg. 612

Owned By:
Huntington Municipal
Development Authority
D.B. 1059, Pg. 44

R=230.46'
A=129.18'
BRG=N 10°07'43" E
C LEN=127.49'

83
10

⑤

2.044 Ac.

R=348.50'
A=62.81'
BRG=N 11°05'16" W
C LEN=62.72'

R=296.94'
A=288.46'
BRG=S 85°38'42" W
C LEN=277.25'

84
10.5

⑥

P.O.B.
N: 511,051.66
E: 1,560,867.64

N: 511,000

N: 511,000

KINETIC

Utility

Easement

DRIVE



E: 1,561,000

NOTES

- ⊙ 5/8" Reinforcing Rod w/Yellow Plastic Cap Stamped "TERRADON" (found)
- ⊙ 5/8" x 32" Reinforcing Rod w/Red Plastic Cap Stamped "EASTHAM & ASSOCIATES" (set)
- ∘ Calculation Point Nothing (set)

— Boundary Line

— Utility Easement (as noted)

⑥ Proposed Lot Number

83 Tax Map Number

10 Tax Parcel Number

P.O.B. POINT OF BEGINNING

N/F Now or Formerly

0' 100' 200' 300'



NOTES

1. This survey does not constitute a title search by the surveyor. No title commitment was provided. This survey is subject to all restrictions, reservations, right-of-way, easements, utilities, covenants, exceptions, conveyances, leases and exclusions previously imposed and appearing of record and those not of record.

Aerial Map



550 Kinetic Dr.

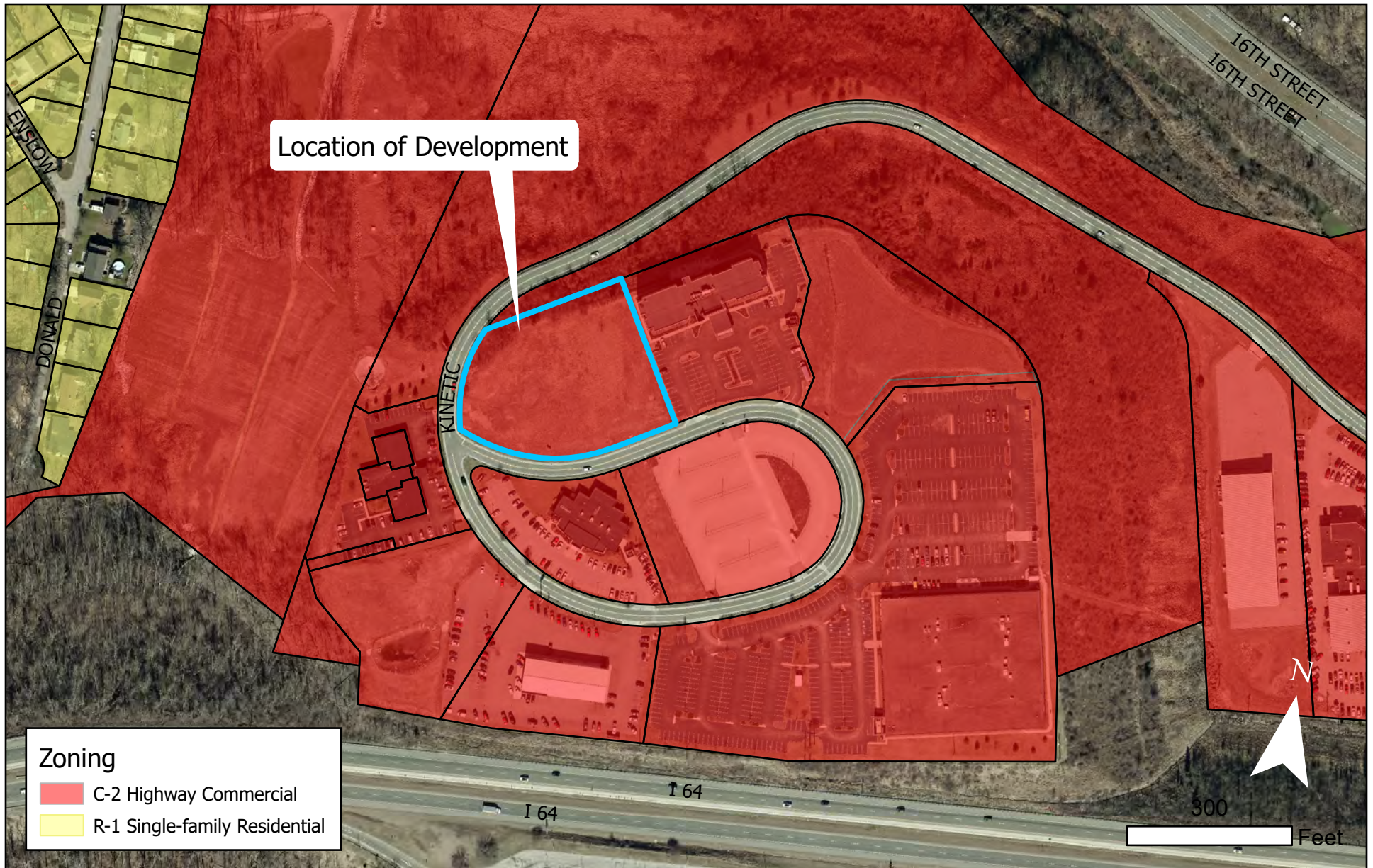
Cabell County Tax District 6, Map 84, Parcel 10.7

PC 26-01

**A site plan review for a hotel development located at 550 Kinetic Drive that is approximately 2.04 acres.
The parcel is zoned C-2 Highway Commercial.**



Zoning Map



550 Kinetic Dr.

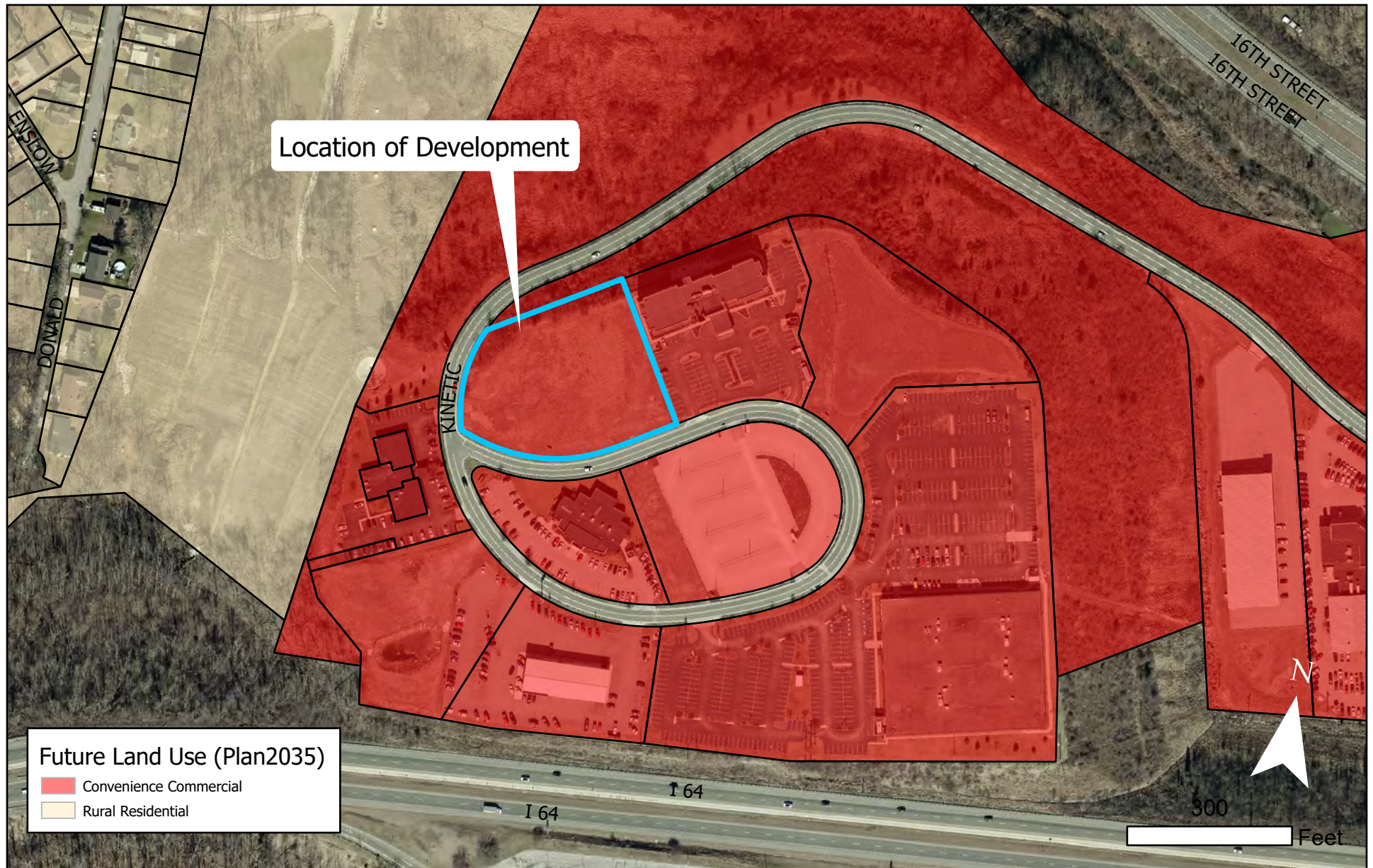
Cabell County Tax District 6, Map 84, Parcel 10.7

PC 26-01

**A site plan review for a hotel development located at 550 Kinetic Drive that is approximately 2.04 acres.
The parcel is zoned C-2 Highway Commercial.**



Future Land Use Map



550 Kinetic Dr.

Cabell County Tax District 6, Map 84, Parcel 10.7

PC 26-01

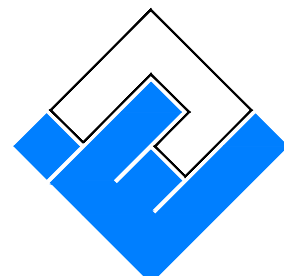
**A site plan review for a hotel development located at 550 Kinetic Drive that is approximately 2.04 acres.
The parcel is zoned C-2 Highway Commercial.**



PLOT DATE : 11/21/2025 9:10 AM P:\2023\2301-3511-001 - EMERALD HOSPITALITY - HOLIDAY INN 20-1D.DWG\PRODUCTION\SP\C101 LAYOUT.DWG



CALL BEFORE YOU DIG,
DRILL OR BLAST!
WEST VIRGINIA LAW REQUIRES 48
HOURS NOTICE FOR CONSTRUCTION
PHASE AND 10 DAYS IN DESIGN STAGE
MISS UTILITY OF WEST VIRGINIA, INC.
1-800-245-4848



NITIN KULKARNI
AIA NCARB
GLEN ALLEN, VA 23059
(804) 200-4085



KINETIC DRIVE
HUNTINGTON WV

LOCATION NUMBER: _____

PROJECT NUMBER: _____
INN CODE: _____

CONSTRUCTION DOCUMENTS

A DEVELOPMENT BY
DR. VISHNU PATEL



Engineering • Surveying • Land Planning
409 Jacobson Drive, Poca, WV 25159
p 304.755.8291 www.terraddon.com

Date: SEPTEMBER 8, 2025

| REVISIONS | | |
|-----------|------|----------|
| NO. | DATE | COMMENTS |
| | | |
| | | |
| | | |
| | | |

Sheet #

C-101

LAYOUT PLAN

GENERAL NOTES:

- SURVEY PREPARED BY TERRADON CORPORATION, 409 JACOBSON DR., POCA, WV 25159 PHONE: 304-755-8291 CONTACT: ROBERT THAW
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING SUBSURFACE UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS FROM THE UTILITY OWNER, FROM UTILITY FIELD LOCATION SERVICES SUCH AS MISS UTILITY AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS EXACT OR COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES. ANY CONFLICTS WITH INFORMATION SHOWN ON THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE ENGINEER IMMEDIATELY.
- ALL DIMENSIONS ARE TO FACE OF CURB OR TO FINISHED FACE OF BUILDING UNLESS NOTED OTHERWISE.
- CONTRACTOR TO TAKE ALL PRECAUTIONS NECESSARY TO DRAIN SUBBASE GRADES FROM PONDING WATER, SUCH AS TEMPORARY RELIEF SWALES AND TEMPORARY DRAIN OPENINGS IN CATCH BASINS.
- ALL RADI ON PAVEMENT CORNERS SHALL BE 2'-0" UNLESS OTHERWISE NOTED.
- ALL EXISTING UTILITIES WITHIN THE LIMITS OF DISTURBANCE THAT ARE TO REMAIN SHALL BE PROTECTED AND KEPT IN SERVICE.
- NEW CONCRETE CURB SHALL HAVE SAW CUT SCORE JOINTS EVERY 10' AND HAVE A COLD JOINT, OR FULL DEPTH SAW CUT EVERY 30'.
- SITE LIGHTING IS SHOWN FOR REFERENCE PURPOSES ONLY. REFER TO SITE ELECTRICAL DRAWINGS FOR REQUIRED SITE LIGHTING LOCATIONS AND INFORMATION.
- UPON REQUEST, CONTRACTOR MAY RECEIVE AN ELECTRONIC VERSION OF THE LAYOUT DRAWINGS FOR LAYOUT AND STAKING PURPOSES. CONTRACT TERRADON CORPORATION 304-755-8291.
- CONTRACTOR SHALL ENSURE ALL INLETS WITHIN CURB LINES ARE ACCURATELY PLACED AND ROTATED IN PROPOSED CURB LINE TO PREVENT KINKING OF ADJACENT CURB SECTIONS IN ORDER TO MEET INLETS. INLETS IN CURB CORNERS SHALL BE POSITIONED SO GRATES ARE TIGHT TO FACE OF CURB.
- CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED PERMITS AND ASSOCIATED FEES AS NECESSARY FOR COMPLETION OF THIS PROJECT PRIOR TO STARTING CONSTRUCTION.

LAYOUT KEY NOTES:

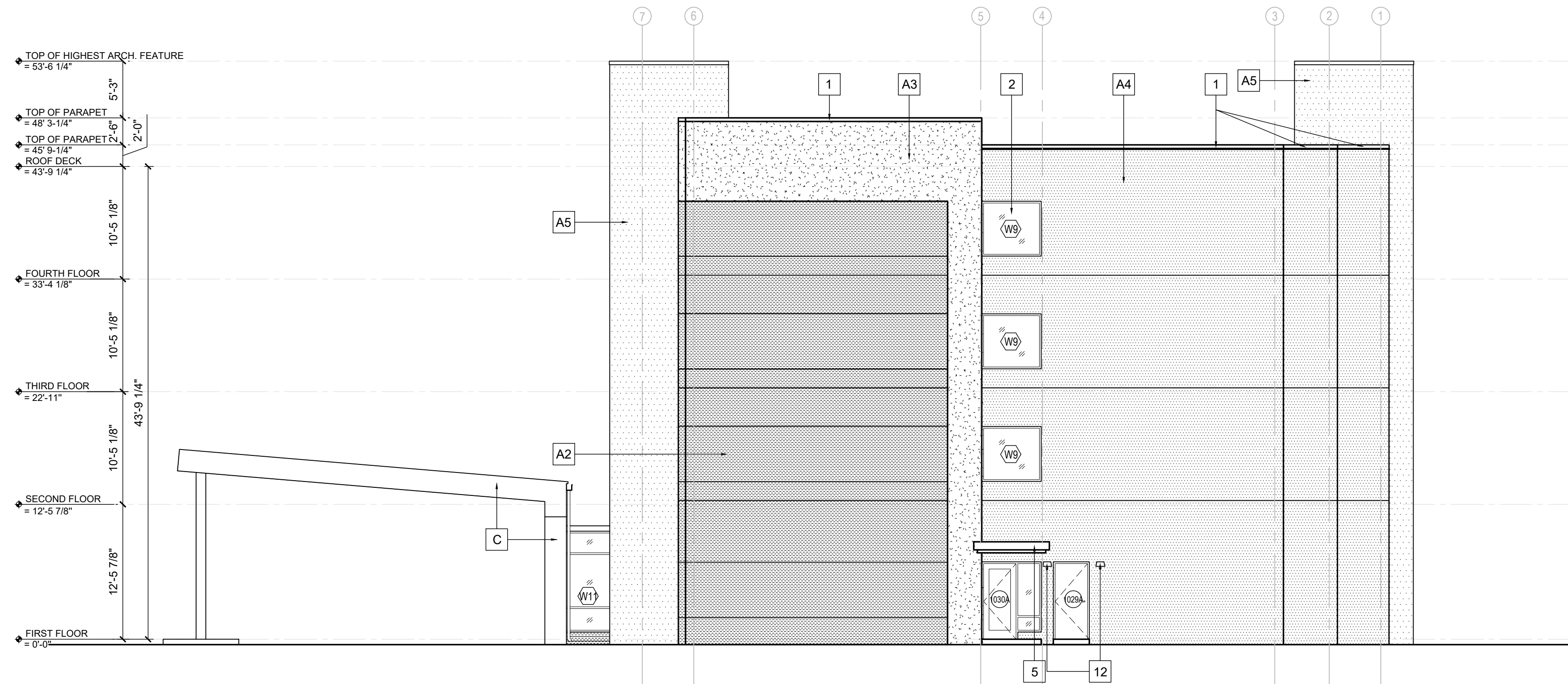
- LAYOUT CONTROL POINT.
- MEDIUM DUTY ASPHALT PAVEMENT. (SEE DETAIL I-C108)
- HEAVY DUTY ASPHALT PAVEMENT. (SEE DETAIL H-C108)
- CONCRETE SIDEWALK. (SEE DETAIL C-C108)
- CONCRETE CURB & GUTTER. (SEE DETAIL D-C108)
- HEAVY DUTY CONCRETE PAVEMENT. (SEE DETAIL G-C108)
- PIPE BOLLARD. (SEE DETAIL J-C108)
- TRASH ENCLOSURE. (SEE ARCHITECTURAL DRAWINGS)
- BUILDING PORTE COCHERE, SUPPORT COLUMNS, AND CURBED ISLAND. (SEE ARCHITECTURAL DRAWINGS)
- TIE NEW CONCRETE CURB AND GUTTER INTO EXISTING WHERE SHOWN.
- DECORATIVE SCREEN. (SEE ARCH. DRAWINGS).
- PROTECT AND CLEAN EXISTING ROAD DAILY.
- ACCESSIBLE CURB RAMP. (SEE DETAIL A-C108)
- REFER TO ARCHITECTURAL & STRUCTURAL DRAWINGS FOR BUILDING LAYOUT.
- AREA TO BE PERMANENTLY SEEDED AND MULCHED.
- RE-SPREAD APPROXIMATELY 6" OF TOPSOIL ON ALL LAWN AND LANDSCAPE AREAS.
- SITE LIGHTING. (SEE MEP DRAWINGS)
- HOTEL ENTRANCE/DIRECTIONAL SIGN LOCATION. (COORDINATE W/OWNER)
- CONCRETE CURB TAPER (SEE DETAIL F-C108).
- "STOP" SIGN AS SPECIFIED BY THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- "STOP" SIGN AS SPECIFIED BY THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- FOLLOW WYDOH CASE A4 FOR TRAFFIC CONTROL DURING CONSTRUCTION WITHIN WYDOH RIGHT OF WAY (SEE DETAIL F-C107)
- ACCESSIBLE PARKING SPACE. (SEE DETAIL B-C108)
- TYPICAL 4" WIDE WHITE TRAFFIC CONTROL STRIPING.
- DECORATIVE STAMPED COLORED CONCRETE, STAMPED PATTERN AND COLOR SELECTED BY ARCHITECT. (FOLLOW DETAIL G-C108)
- LIMITS OF CONSTRUCTION/DISTURBANCE.
- CUSTOM FIREPIT. (COORDINATE WITH OWNER, SELECTED BY OWNER AND INSTALLED BY CONTRACTOR)
- THICKENED TURNED DOWN CONCRETE DUMPSTER SLAB / RETAINING WALL. (SEE DETAIL K-C108)
- ELECTRIC TRANSFORMER LOCATION (SEE MEP DRAWINGS).
- MODULAR PRECAST BLOCK RETAINING WALL WITH 4" BLACK VINYL COATED FENCE ON TOP OF WALL. (SEE DETAIL K-C108)
- RIVER GRAVEL MULCHED AREA (±2" NOMINAL SIZE), PROVIDE 3" THICK LAYER OF ROUND WASHED RIVER GRAVEL OVER FILTER FABRIC.
- HOTEL MONUMENT SIGN LOCATION. (COORDINATE WITH OWNER)
- TRENCH DRAIN, SEE UTILITY PLAN.
- HEAVY DUTY CONCRETE ENTRANCE PAVEMENT. (SEE DETAIL E-C108)
- 4" WIDE DOUBLE YELLOW CENTERLINE STRIPING AS SPECIFIED BY THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES WHERE SHOWN.

PARKING TOTAL = 108 SP.

CONCEPTUAL SITE INFORMATION

HOTEL ROOMS: 107
TOTAL ACREAGE: +/- 2.046 ACRES
TOTAL PARKING SPACES PROVIDED: 108
ADA PARKING SPACES: 5 (INCLUDING 1 "VAN ACCESSIBLE")

CALCULATION BASED ON MINIMUM 1.0 PARKING
RATIO PER ROOM FOR BUILDING (COORDINATE
WITH LOCAL JURISDICTION FOR REQUIRED RATIO)

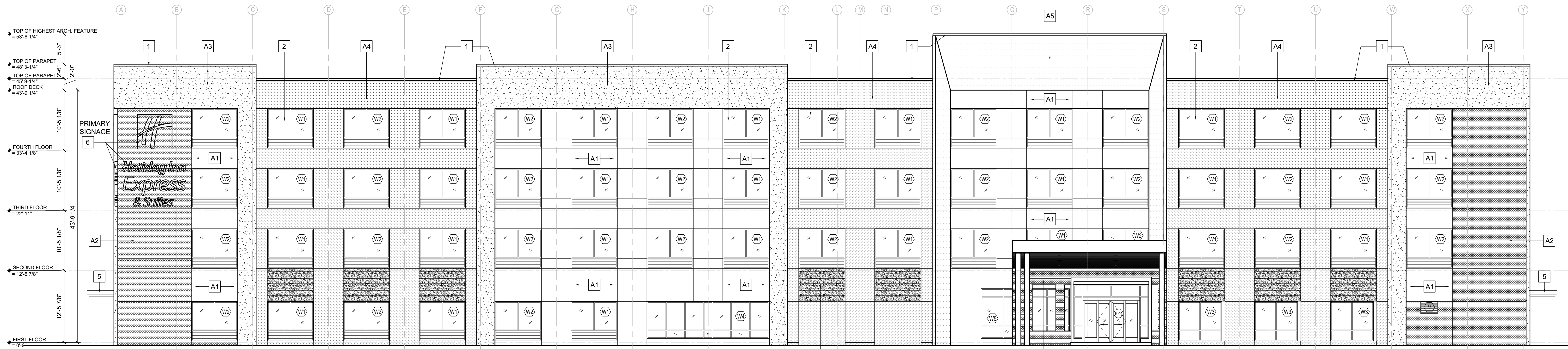


2 RIGHT SIDE ELEVATION
A501
SCALE: 1/8" = 1'-0"

- NOTES:-
1. METAL COPING; COLOR TO MATCH ADJACENT WALL FINISH.
 2. EXTERIOR WINDOWS - WITH GRILLES AT GUESTROOMS ONLY UNO
 3. EXHAUST FANS OR MECHANICAL UNITS
 4. MECHANICAL GRILLES AND/OR LOUVERS TO BE PAINTED TO MATCH ADJACENT EXTERIOR FINISH.
 5. OPTIONAL SOLID CANOPY; RECOMMENDED AT SECONDARY BUILDING ENTRANCES.
 6. BUILDING SIGN BY OTHERS. PROVIDE BLOCKING & POWER.
 7. SCUPPERS AND DOWNSPOUTS; COLOR TO MATCH ADJACENT WALL FINISH.
 8. GROUND-BASED CONDENSER UNITS.
 9. OVERFLOW ROOF DRAIN CONDUCTOR HEAD.
 10. DRYER EXHAUST VENT LOUVER; COLOR TO MATCH ADJACENT WALL FINISH.
 11. ROOF HATCH SAFETY RAILING; FINISH TO MATCH EIFS A3.
 12. WALL MOUNTED LIGHT TYPE "EA". (OPTIONAL RECESSED LIGHT, EB, LOCATED IN CANOPY). PROVIDE EXTERIOR BRAND HALLMARK LIGHTS TO UPLIGHT BEVELED ENTRY ARTICULATION. REFER TO PROTOTYPE BOOK AND DESIGN GUIDE.
 - 13.

| EXTERIOR MATERIALS | |
|--------------------|---|
| SYMBOL | DESCRIPTION |
| | EXTERIOR CLADDING SYSTEM - EIFS A1 |
| | EXTERIOR CLADDING SYSTEM - EIFS A2 |
| | EXTERIOR CLADDING SYSTEM - EIFS A3 |
| | EXTERIOR CLADDING SYSTEM - EIFS A4 |
| | EXTERIOR CLADDING SYSTEM - EIFS A5 |
| | EXTERIOR CLADDING SYSTEM - EIFS B - REVEALS AT 6" OC |
| | EXTERIOR CLADDING SYSTEM - METAL PANEL C - ENTRY CANOPY |
| | EXTERIOR CLADDING SYSTEM - METAL PANEL D - WOOD-LIKE METAL PANELS (WALL & SOFFIT) |

NOTE : PRIMARY EXTERIOR MATERIALS SHALL BE THE COOL COLOR SCHEME. ALTERNATE WARM COLOR SCHEME IS OPTIONAL. ARCHITECT ON RECORD SHALL SELECT COLOR SCHEME APPROPRIATE FOR THE REGION OF CONSTRUCTION AND/OR MEET LOCAL JURISDICTION REQUIREMENTS.



1 FRONT ELEVATION
A501
SCALE: 1/8" = 1'-0"

HOLIDAY INN
EXPRESS SIGNAGE
AT ENTRY

NITIN KULKARNI
AIA NCARB
GLEN ALLEN, VA 23059
(804) 200-4085

KINETIC DRIVE
HUNTINGTON WV

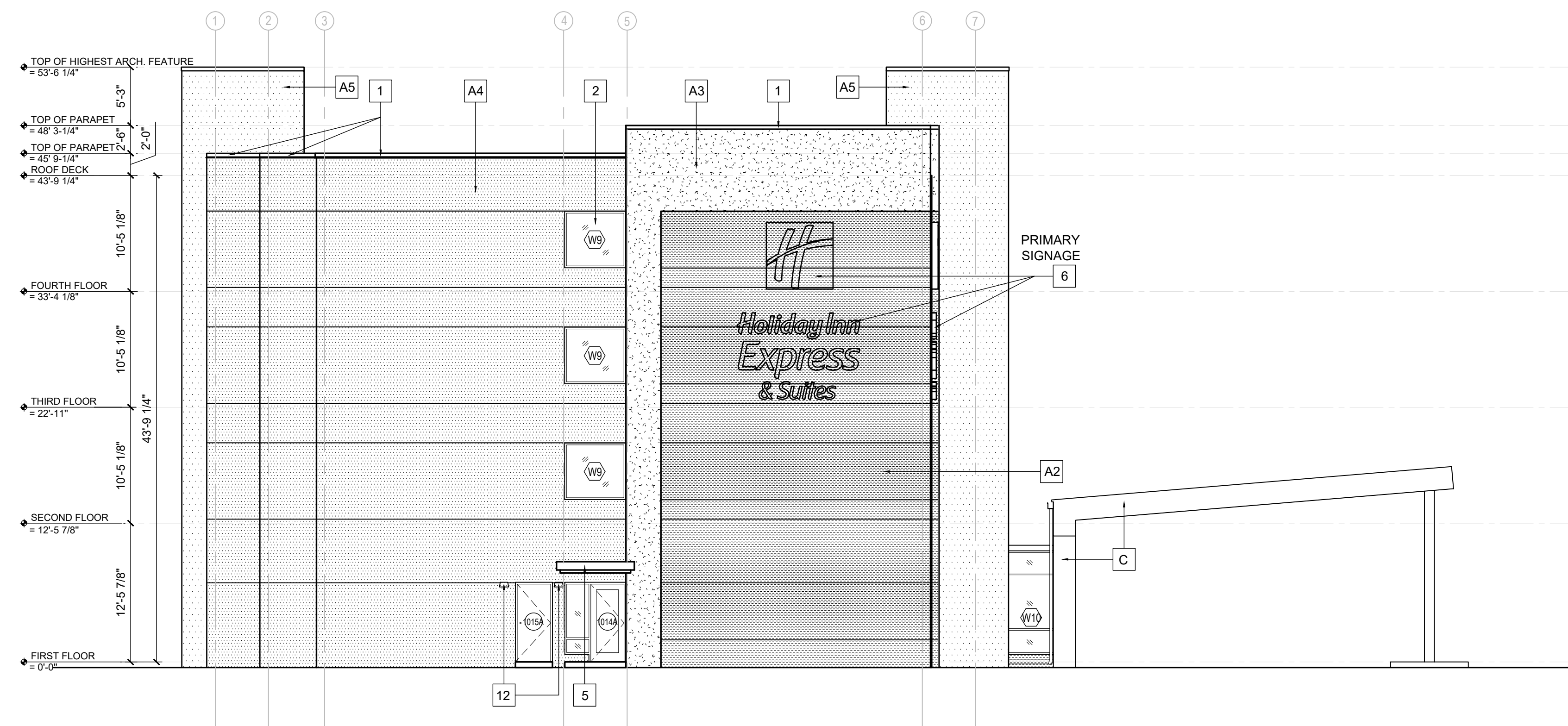
LOCATION NUMBER: HTKSD L91929

A DEVELOPMENT BY
DR. VISHNU PATEL



| Date: JULY 30, 2025 | |
|------------------------|---------------|
| REVISIONS | |
| NO. | DATE |
| 1 | JULY 30, 2025 |
| COMMENTS | |
| CONSTRUCTION DOCUMENTS | |

Sheet #
A-501
BUILDING ELEVATIONS



2 LEFT SIDE ELEVATION
A502
SCALE: 1/8" = 1'-0"

- NOTES:-**
1. METAL COPING; COLOR TO MATCH ADJACENT WALL FINISH.
 2. EXTERIOR WINDOWS - WITH GRILLES AT GUESTROOMS ONLY UNO
 3. EXHAUST FANS OR MECHANICAL UNITS
 4. MECHANICAL GRILLES AND/OR LOUVERS TO BE PAINTED TO MATCH ADJACENT EXTERIOR FINISH.
 5. OPTIONAL SOLID CANOPY; RECOMMENDED AT SECONDARY BUILDING ENTRANCES.
 6. BUILDING SIGN BY OTHERS. PROVIDE BLOCKING & POWER.
 7. SCUPPERS AND DOWNSPOUTS; COLOR TO MATCH ADJACENT WALL FINISH.
 8. GROUND-BASED CONDENSER UNITS.
 9. OVERFLOW ROOF DRAIN CONDUCTOR HEAD.
 10. DRYER EXHAUST VENT LOUVER; COLOR TO MATCH ADJACENT WALL FINISH.
 11. ROOF HATCH SAFETY RAILING; FINISH TO MATCH EIFS A3.
 12. WALL MOUNTED LIGHT TYPE "EA". (OPTIONAL RECESSED LIGHT, EB, LOCATED IN CANOPY).
 13. PROVIDE EXTERIOR BRAND HALLMARK LIGHTS TO UPLIGHT BEVELED ENTRY ARTICULATION. REFER TO PROTOTYPE BOOK AND DESIGN GUIDE.

| EXTERIOR MATERIALS | |
|--------------------|---|
| SYMBOL | DESCRIPTION |
| | EXTERIOR CLADDING SYSTEM - EIFS A1 |
| | EXTERIOR CLADDING SYSTEM - EIFS A2 |
| | EXTERIOR CLADDING SYSTEM - EIFS A3 |
| | EXTERIOR CLADDING SYSTEM - EIFS A4 |
| | EXTERIOR CLADDING SYSTEM - EIFS A5 |
| | EXTERIOR CLADDING SYSTEM - EIFS B - REVEALS AT 6" OC |
| | EXTERIOR CLADDING SYSTEM - METAL PANEL C - ENTRY CANOPY |
| | EXTERIOR CLADDING SYSTEM - METAL PANEL D - WOOD-LIKE METAL PANELS (WALL & SOFFIT) |

NOTE : PRIMARY EXTERIOR MATERIALS SHALL BE THE COOL COLOR SCHEME. ALTERNATE WARM COLOR SCHEME IS OPTIONAL. ARCHITECT ON RECORD SHALL SELECT COLOR SCHEME APPROPRIATE FOR THE REGION OF CONSTRUCTION AND/OR MEET LOCAL JURISDICTION REQUIREMENTS.



1 REAR ELEVATION
A502
SCALE: 1/8" = 1'-0"

LOCATION NUMBER: HTKSD L91929

A DEVELOPMENT BY
DR. VISHNU PATEL



| Date: JULY 30, 2025 | | |
|---------------------|---------------|------------------------|
| REVISIONS | | |
| NO. | DATE | COMMENTS |
| 1 | JULY 30, 2025 | CONSTRUCTION DOCUMENTS |
| | | |
| | | |
| | | |

Sheet #
A-502

BUILDING ELEVATIONS

NITIN KULKARNI
AIA NCARB
GLEN ALLEN, VA 23059
(804) 200-4085

KINETIC DRIVE
HUNTINGTON WV

RE: Planning Commission Review (Kinetic Park) - Request for Comment

From Barton, Jessica <Jessica.Barton@chhdwv.gov>

Date Tue 12/16/2025 12:50 PM

To Kenzie Roland <RolandK@Huntingtonwv.gov>; zasmith1@aep.com <zasmith1@aep.com>; michaelplymale@mgcwv.com <michaelplymale@mgcwv.com>; andrewbays@mgcwv.com <andrewbays@mgcwv.com>; Mark Bates <BatesM@Huntingtonwv.gov>; Sherry Wilkins <sherry.wilkins@huntingtonswu.com>; wleek@huntingtonsb.com <wleek@huntingtonsb.com>; Henry.Perkins@amwater.com <henry.perkins@amwater.com>

Cc Zane Parsley <ParsleyZ@Huntingtonwv.gov>; Steven Curry <CurryS2@Huntingtonwv.gov>; Kaylan Hager <kaylan.hager@chhdwv.onmicrosoft.com>

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Good afternoon,

This establishment would require 3 health permits (recreational water facility, food establishment, hotel general). Plan review submittals for the hotel/motel and food establishment would need to be submitted to the health department for approval. A determination would need to be made regarding whether it would require a grease trap. I didn't see an external grease trap on the plans. Plans for recreational water facilities must be submitted to the State's Environmental Engineering Division of OEHS in Charleston WV for approval before construction.

Thanks,

Jessica Barton

Registered Sanitarian
Phone: 304-523-6483 x 270
Cell Phone: 304-910-1447
Fax: 304-523-6403



Cabell-Huntington Health Department
703 7th Avenue
Huntington, WV 25701
www.cabellhealth.org

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From: Kenzie Roland <RolandK@Huntingtonwv.gov>

Sent: Friday, December 12, 2025 3:28 PM

To: zasmith1@aep.com; michaelplymale@mgcwv.com; andrewbays@mgcwv.com; Mark Bates <BatesM@Huntingtonwv.gov>; Sherry Wilkins <sherry.wilkins@huntingtonswu.com>; wleek@huntingtonsb.com; Henry.Perkins@amwater.com; Barton, Jessica <Jessica.Barton@chhdwv.gov>

Cc: Zane Parsley <ParsleyZ@Huntingtonwv.gov>; Steven Curry <CurryS2@Huntingtonwv.gov>

Subject: Planning Commission Review (Kinetic Park) - Request for Comment

Good afternoon,

At the January 5th City of Huntington Planning Commission meeting, the Planning Commission will be reviewing preliminary plans by Emerald Hospitality LLC to build a hotel in Kinetic Park, which is approximately 2.04 acres.

Please see attached map and site plan. In order to help the Planning Commission review the plans, I am requesting that you review these plans and provide any comments, concerns, or questions from your agency in order to help them evaluate the proposal.

Please provide your comments or request for more time by 4:30 p.m. on Monday December 22nd, so I can report out at the Planning Commission meeting. If I do not hear from you by that time, I will assume that your agency is fine with the plans as presented.

Please let me know if you have any questions, want to discuss, or need specific plans to review. If you are not the appropriate person to review from your agency, please let me know and provide the contact information for the person I should be reaching out to in the future.

Have a great day,

Kenzie Roland

Planner I

Department of Planning & Development

City of Huntington

800 Fifth Avenue, Room 100C

P.O. Box 1659

Huntington, WV 25701

T: 304.696.5540 x2095

Email: rolandk@huntingtonwv.gov

Re: Planning Commission Review (Kinetic Park) - Request for Comment

From Mark Bates <BatesM@Huntingtonwv.gov>

Date Fri 12/12/2025 3:32 PM

To Kenzie Roland <RolandK@Huntingtonwv.gov>

Kenzie,

I have no concerns or questions about the project. I am glad that it is finally moving forward.

Mark

From: Kenzie Roland <RolandK@Huntingtonwv.gov>

Sent: Friday, December 12, 2025 3:27 PM

To: zasmith1@aep.com <zasmith1@aep.com>; michaelplymale@mgcwv.com <michaelplymale@mgcwv.com>; andrewbays@mgcwv.com <andrewbays@mgcwv.com>; Mark Bates <BatesM@Huntingtonwv.gov>; Sherry Wilkins <sherry.wilkins@huntingtonswu.com>; wleek@huntingtonsb.com <wleek@huntingtonsb.com>; Henry.Perkins@amwater.com <henry.perkins@amwater.com>; jessica.barton@chhdwv.gov <jessica.barton@chhdwv.gov>

Cc: Zane Parsley <ParsleyZ@Huntingtonwv.gov>; Steven Curry <CurryS2@Huntingtonwv.gov>

Subject: Planning Commission Review (Kinetic Park) - Request for Comment

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Have a great day,

Kenzie Roland

Planner I

Department of Planning & Development

City of Huntington

800 Fifth Avenue, Room 100C

P.O. Box 1659

Huntington, WV 25701

T: 304.696.5540 x2095

Email: rolandk@huntingtonwv.gov

RE: Planning Commission Review (Kinetic Park) - Request for Comment

From Sherry Wilkins <sherry.wilkins@huntingtonswu.com>

Date Mon 12/15/2025 12:23 PM

To Kenzie Roland <RolandK@Huntingtonwv.gov>

Cc Zane Parsley <ParsleyZ@Huntingtonwv.gov>; Steven Curry <CurryS2@Huntingtonwv.gov>; Wes Leek <wleek@huntingtonsb.com>

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RE: Proposed Holiday Inn Express

Kenzie,

The Stormwater Utility is currently reviewing the stormwater management for the proposed hotel. I sent comments to the developer and their engineers on Dec. 3rd. We had quite a few comments.

So, right now, the “ball is in their court”. We are waiting for the responses to the comments.

Thanks,
Sherry

*Sherry Wilkins
Director
Huntington Stormwater Utility
P.O. Box 7578
Huntington, WV 25777-1931
304-781-1952*

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From: Kenzie Roland <RolandK@Huntingtonwv.gov>

Subject: Planning Commission Review (Kinetic Park) - Request for Comment

Good afternoon,

At the January 5th City of Huntington Planning Commission meeting, the Planning Commission will be reviewing preliminary plans by Emerald Hospitality LLC to build a hotel in Kinetic Park, which is approximately 2.04 acres.

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Have a great day,

Kenzie Roland

Planner I

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City of Huntington

800 Fifth Avenue, Room 100C

P.O. Box 1659

Huntington, WV 25701

T: 304.696.5540 x2095

Email: rolandk@huntingtonwv.gov

RE: Planning Commission Review (Kinetic Park) - Request for Comment

From Wes Leek <wleek@huntingtonsb.com>

Date Mon 12/15/2025 10:54 AM

To Kenzie Roland <RolandK@Huntingtonwv.gov>; zasmith1@aep.com <zasmith1@aep.com>; michaelplymale@mgcww.com <michaelplymale@mgcww.com>; andrewbays@mgcww.com <andrewbays@mgcww.com>; Mark Bates <BatesM@Huntingtonwv.gov>; Sherry Wilkins <sherry.wilkins@huntingtonswu.com>; Henry.Perkins@amwater.com <henry.perkins@amwater.com>; jessica.barton@chhdwv.gov <jessica.barton@chhdwv.gov>

Cc Zane Parsley <ParsleyZ@Huntingtonwv.gov>; Steven Curry <CurryS2@Huntingtonwv.gov>

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Kenzie,
HSB is good with the proposed project.
Wes

Wesley S. Leek
Director
Huntington Sanitary Board
304-781-1912 office
304-360-4495 mobile

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From: Kenzie Roland <RolandK@Huntingtonwv.gov>

Sent: Friday, December 12, 2025 3:28 PM

To: zasmith1@aep.com; michaelplymale@mgcww.com; andrewbays@mgcww.com; Mark Bates <BatesM@Huntingtonwv.gov>; Sherry Wilkins <sherry.wilkins@huntingtonswu.com>; Wes Leek <wleek@huntingtonsb.com>; Henry.Perkins@amwater.com; jessica.barton@chhdwv.gov

Cc: Zane Parsley <ParsleyZ@Huntingtonwv.gov>; Steven Curry <CurryS2@Huntingtonwv.gov>

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Have a great day,

Kenzie Roland

Planner I

Department of Planning & Development

City of Huntington

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P.O. Box 1659

Huntington, WV 25701

T: 304.696.5540 x2095


Email: rolandk@huntingtonwv.gov

Re: Planning Commission Review (Kinetic Park) - Request for Comment

From Kenzie Roland <RolandK@Huntingtonwv.gov>

Date Tue 12/23/2025 11:25 AM

To Bays, Andrew <andrewbays@mgcwv.com>; Zane Parsley <ParsleyZ@Huntingtonwv.gov>; Steven Curry <CurryS2@Huntingtonwv.gov>

 1 attachment (15 MB)

Mechanical Plans - Holiday Inn Kinetic Park.pdf;

Attached are the mechanical plans that include potential gas service.

Kenzie Roland

City of Huntington

T: 304.696.5540 x2095

From: Bays, Andrew <andrewbays@mgcwv.com>

Sent: Friday, December 19, 2025 8:05 AM

To: Kenzie Roland <RolandK@Huntingtonwv.gov>

Subject: RE: Planning Commission Review (Kinetic Park) - Request for Comment

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Kenzie,

We have marked up your drawing for information purposes we have a 3" Plastic line laid in front of the property for other gas users in the area. We do not see a gas service line on these plans. With that said do they plan to use gas, if so we need to know the total load(preferably a list of items with gas and their load), and any irregular operating conditions.

Thanks in advance,

Andrew Bays

Engineer

Mountaineer Gas Company 

2800 7th Ave

Charleston, WV 25387

(888) 420-4427

From: Kenzie Roland <RolandK@Huntingtonwv.gov>

Sent: Friday, December 12, 2025 3:28 PM

To: zasmith1@aep.com; Plymale, Michael <michaelplymale@mgcwv.com>; Bays, Andrew <andrewbays@mgcwv.com>; Mark Bates <BatesM@Huntingtonwv.gov>; Sherry Wilkins <sherry.wilkins@huntingtonswu.com>; wleek@huntingtonsb.com; Henry.Perkins@amwater.com; jessica.barton@chhdwv.gov

Cc: Zane Parsley <ParsleyZ@Huntingtonwv.gov>; Steven Curry <CurryS2@Huntingtonwv.gov>

Subject: Planning Commission Review (Kinetic Park) - Request for Comment

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Have a great day,

Kenzie Roland

Planner I

Department of Planning & Development

City of Huntington

800 Fifth Avenue, Room 100C

P.O. Box 1659

Huntington, WV 25701

T: 304.696.5540 x2095

Email: rolandk@huntingtonwv.gov

HVAC GENERAL SPECIFICATIONS

1. ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE CURRENT REQUIRED CODES, **THE 2018 INTERNATIONAL BUILDING CODE, THE 2018 INTERNATIONAL MECHANICAL CODE, THE STATE ENERGY CODE, NFPA 90A, 96, 101, UNDERWRITERS LABORATORIES (OR ETL) AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.**
2. ALL MECHANICAL EQUIPMENT SHALL BE LABELED WITH BAKELITE NAMEPLATE WITH 2" HIGH WHITE LETTERS ON A BLACK BACKGROUND. NAMEPLATE SHALL SHOW EQUIPMENT TAG USED ON THESE DRAWINGS.
3. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. DISCONNECT TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL DRAWINGS.
4. ALL FANS SUPPLYING MORE THAN 2000 CFM OF AIR TO ANY SPACE AND ALL RECIRCULATING FAN SYSTEMS SERVING AREAS OF EGRESS SHALL BE INSTALLED WITH A SMOKE DETECTOR IN THE RETURN DUCTWORK. THE SMOKE DETECTOR SHALL BE WIRED TO STOP THE FAN UPON DETECTION OF SMOKE, AND SIGNAL THE BUILDING FIRE ALARM CONTROL PANEL (IF BUILDING IS SO EQUIPPED). SMOKE DETECTOR TROUBLE CONDITIONS SHALL BE INDICATED VISUALLY OR AUDIBLY IN A NORMALLY OCCUPIED AREA AND SHALL BE IDENTIFIED AS AIR DUCT DETECTOR TROUBLE. IF A BUILDING FIRE ALARM SYSTEM IS INSTALLED, THE SMOKE DETECTOR SHALL BE FURNISHED BY THE FIRE ALARM SYSTEM CONTRACTOR, MOUNTED IN THE DUCT BY THE MECHANICAL CONTRACTOR, AND WIRED BY THE ELECTRICAL CONTRACTOR.
5. PROVIDE FIRE DAMPERS IN ALL RATED WALLS, FLOOR AND CEILING PENETRATIONS. REFER TO THE ARCHITECTURAL/FIRE SAFETY PLAN FOR LOCATIONS OF RATED AREAS. PROVIDE ACCESS DOORS IN DUCTWORK AND CEILING AT EACH FIRE/SMOKE/FIRE SMOKE DAMPER LOCATION. INSTALL SMOKE DAMPERS IN ALL DUCT PENETRATIONS THROUGH SMOKE RATED WALLS. WHERE DUCTS PENETRATE WALLS THAT CARRY BOTH FIRE AND SMOKE RATINGS, THE DAMPERS INSTALLED SHALL BE COMBINATION FIRE AND SMOKE DAMPERS. ALL DAMPERS SHALL BE U.L. 555 LABELED. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER REQUIREMENT.
6. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
8. ALL HVAC COMPRESSORS SHALL HAVE EXTENDED 5-YEAR MANUFACTURER'S WARRANTY.
9. GROUND MOUNTED OUTDOOR AIR CONDITIONING EQUIPMENT LEVEL ON 4" THICK REINFORCED CONCRETE PADS, EXTENDING 6" BEYOND UNIT PERIMETER OF EQUIPMENT.
10. ALL DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL AS RECOMMENDED IN SMACNA (LATEST EDITION) LOW-PRESSURE DUCT CONSTRUCTION STANDARDS. THE MINIMUM THICKNESS OF 0.0217 INCHES (NO. 26 GAGE), UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL JOINTS AND SEAMS IN ALL SHEET METAL DUCTWORK SHALL BE SEALED WITH DUCT SEALER.
11. SUPPLY, RETURN AND FRESH AIR DUCTS AND EXHAUST DUCTS FOR HEAT RECOVERY SYSTEM AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-8 INSULATION WHERE LOCATED IN UNCONDITIONED SPACES AND WHERE LOCATED OUTSIDE THE BUILDING WITH A MINIMUM OF R-8 INSULATION IN CLIMATE ZONES 4a. WHERE LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-8 INSULATION IN CLIMATE ZONES 4a.
12. ALL DUCTWORK SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE AS PER SMACNA STANDARDS.
13. FLEXIBLE DUCTWORK SHALL BE THERMAFLEX M-KE (U.L. 181 LISTED, CLASS 1 FLEXIBLE AIR DUCT) OR EQUAL. PROVIDE THERMAFLEX M-KE (R VALUE - 6.0 MINIMUM OR AS REQUIRED BY LOCAL ENERGY CODES) IN ATTICS AND OTHER UNCONDITIONED SPACES. AIR CONNECTORS ARE NOT ACCEPTABLE. SIZE TO MATCH DEVICE NECK, PROVIDE ROUND GALVANIZED STEEL DUCT RUNOUTS TO MAINTAIN A MAXIMUM FLEXIBLE DUCT LENGTH OF 5'-0". FLEXIBLE DUCTWORK SHALL BE INSTALLED, SUPPORTED AS STRAIGHT AS POSSIBLE, WITHOUT FORMING CRUMPS OR OTHER AIR FLOW RESTRICTIONS. FLEXIBLE DUCT ROUTING SHALL NOT PENETRATE FIRE- RESISTANCE RATED ASSEMBLY. PROVIDE SQUARE TO ROUND ADAPTERS OR BOOTS TO CONNECT TO AIR DEVICE NECK WHEN REQUIRED.
14. ROUND AND FLEXIBLE DUCTWORK SHALL BE CONNECTED TO MAIN DUCTS WITH SPIN-IN FITTINGS WITH SCOOP AND BALANCING DAMPER.
15. PROVIDE DUCT LINER ONLY WHERE REQUIRED FOR ACOUSTIC NEEDS USING 1" THICK CLOSED-CELL ELASTOMERIC MATERIAL THAT COMPLIES WITH ASTM C1534-07-E1 AND LINE ALL DUCTWORK A 10'-0" DOWNSTREAM OF ALL AIR HANDLING UNITS, FAN COIL UNITS, AND TERMINAL UNITS.
16. PORTIONS OF DUCTWORK VISIBLE THROUGH AIR DISTRIBUTION DEVICES IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.
17. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS.
18. REFRIGERANT PIPING SHALL BE TYPE L OR REFRIGERATION SERVICE COPPER TUBING WITH BRAZED JOINTS/PRESS-TYPE FITTINGS. REFER MANUFACTURER'S SUGGESTION FOR SIZING. SUCTION PIPING SHALL BE INSULATED WITH 1" INCH AP ARMAFLEX INSULATION OR MANUFACTURING AS PER MANUFACTURER REQUIREMENTS, WHICH EVER IS LARGER. INSULATION APPLIED OVER TUBING WITHOUT CUTTING. ALL JOINTS AND SEAMS SHALL BE SEALED WITH ADHESIVE.
19. ALL EXTERNAL LOUVERS/REGISTER SHALL BE PAINTED/COORDINATED WITH ARCHITECTURAL PLAN FOR ADJACENT BUILDING COLOR.
20. CONDENSATE FROM ALL ROOFTOP AIR CONDITIONING EQUIPMENT SHALL BE TRAPPED AND ROUTED TO THE NEAREST ROOF DRAIN. CONDENSATE FROM ALL HORIZONTAL WATER SOURCE HEAT PUMPS ABOVE THE CEILING SHALL BE TRAPPED AND ROUTED TO THE NEAREST UTILITY SINK, MOP SINK OR HUB DRAIN IN THE CEILING PLENUM. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC (EXCEPT INSULATED COPPER IN HVAC PLENUMS AND OUTDOORS). CONDENSATE SHALL BE PUMPED AS REQUIRED. INSULATE CONDENSATE PIPES WITH 1" INCH ARMAFLEX INSULATION.
21. AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM SHALL BE TESTED, ADJUSTED, AND BALANCED IN ACCORDANCE WITH AABC OR NEBB STANDARDS, TO DELIVER THE AIR (AND WATER FLOW) QUANTITIES SHOWN ON THE DRAWINGS. SUBMIT CERTIFIED TEST AND BALANCE REPORT TO ARCHITECT FOR APPROVAL.
22. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM. ACCESS PANELS IN CEILING AND WALLS SHALL BE PROVIDED WHERE SHOWN ON THE DRAWINGS OR NECESSARY TO ACCESS DAMPERS, VALVES, ETC. COORDINATE EXACT LOCATION OF ALL ACCESS PANELS WITH THE ARCHITECT DURING THE SHOP DRAWING PROCESS.
23. MOUNT THERMOSTATS AND HUMIDISTATS 4' AFF TO TOP UNLESS NOTED OTHERWISE. PROVIDE CLEAR LOCKING COVER ASSEMBLIES FOR ALL PUBLIC AREA THERMOSTATS AND HUMIDISTATS.
24. ALL ROOFTOP MOUNTED EQUIPMENT SHALL BE INSTALLED LEVEL ON, AND ANCHORED TO, MINIMUM 12" HIGH INSULATED ROOF CURBS. CONTRACTOR SHALL COORDINATE ROOF SLOPE AND ACTUAL CURB HEIGHTS WITH ARCHITECTURAL DRAWINGS. ALL REFERENCES TO ROOF HEIGHTS REFER TO HEIGHTS ABOVE FINISHED ROOF SURFACE.
25. U.N.O. ROOF CURBS SHALL BE CUSTOM CURB OR APPROVED EQUAL (SUBMIT WITH SHOP DRAWINGS). VIBRATION/SOUND ATTENUATING ROOF CURBS (WHERE SCHEDULED OR NOTED) SHALL BE MASON RSC-A (2-1/2") OR EQUAL WITH ACOUSTICAL PACKAGE.
26. LOCATIONS OF GRILLES, REGISTERS, & DIFFUSERS SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH LIGHTS, CEILING GRID, ETC. AND ARCHITECTURAL REFLECTED CEILING PLAN.
27. SLOPE ALL HORIZONTAL GAS FLUE PIPING MINIMUM 1/4"/FT.
28. GAS FLUE PIPING SHALL BE TYPE "B" DOUBLE WALL FLUE, U.L. LISTED, EXCEPT FOR INDUCED OR FORCED DRAFT EQUIPMENT, WHICH SHALL BE METALBESTOS TYPE PS OR EQUAL.
29. PROVIDE MANUAL AIR VENTS AT HIGH POINTS OF ALL RECIRCULATING WATER PIPING SYSTEMS.

30. PIPING AT PUMPS AND EQUIPMENT SHALL BE SUPPORTED SO THAT NO PIPING OR ACCESSORY LOAD IS CARRIED BY THE PUMP OR EQUIPMENT.
31. ALL PIPING ABOVE GRADE SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. PIPING HUNG FROM JOISTS SHALL BE HUNG FROM THE TOP CHORDS OF THE JOISTS.
32. ALL PIPE AND DUCT PENETRATIONS OF FIRE AND/OR SMOKE-RATED ASSEMBLIES SHALL BE FIRE-STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M CO., CP25 CAULK, CSI95 COMPOSITE PANEL, FS195 INSULMENT SYSTEM OR AS RECOMMENDED BY MFG. FOR PARTICULAR APPLICATION, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.
33. MANUAL OVER-RIDE CONTROL (EMERGENCY SHUT-DOWN) SWITCHES FOR ALL HVAC UNITS SHALL BE LOCATED IN LOCKING COVER ADJACENT TO FIRE ALARM ANNUNCIATOR PANEL OR OTHER LOCATION APPROVED BY LOCAL AUTHORITY HAVING JURISDICTION.
34. ROOFTOP HVAC UNITS SHALL BE INSTALLED SUCH THAT ROOF DECK IS COMPLETE AND CONTINUOUS UNDER BOTTOMS OF HVAC UNITS, AND SHALL BE CUT ONLY FOR UNIT SUPPLY AND RETURN OPENINGS. SPACE BETWEEN ROOF DECK AND BOTTOM OF ROOFTOP HVAC UNITS (INSIDE OF ROOF CURBS) SHALL BE FILLED WITH HIGH DENSITY, 6 LBS./CU.FT., ACOUSTICAL INSULATION.
35. DRYER VENTS SHALL BE CONSTRUCTED OF SHEET METAL AS RECOMMENDED IN SMACNA (LATEST EDITION) AND MECHANICAL CODE. INSTALL CLEAN-OUT DOOR IN HEEL OF 90° ELBOWS. DUCT DISCHARGE OPENING SHALL BE REINFORCED TO MAINTAIN SHAPE AND SHALL HAVE REMOVABLE 1/2" X 1/2" BIRD SCREEN. MECHANICAL CONTRACTOR TO PROVIDE BOOSTER FAN AND LINT TRAP FOR ALL THE DRYER PER MANUFACTURER INSTRUCTION INSTALLATION. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER AND CONTROL WIRING AS REQUIRED.
36. DO NOT ROUTE DUCT OR PIPE OVER ELECTRICAL PANELS.
37. LOCATE VALVES/ CONTROL VOLUME DAMPER WITHIN 18" OF CEILING SO THAT THEY ARE WITHIN REACH
38. WHERE THE DUCTWORK PENETRATE THE RATE WALL WHICH NOT REQUIRE FD/FSO, THE CONTRACTOR MUST PROVIDE A MINIMUM 12-INCH-LONG (305 MM) BY 0.060-INCH-THICK (1.52 MM) STEEL SLEEVE IN EACH DUCT OPENING. THE SLEEVE SHALL BE SECURED TO BOTH SIDES OF THE WALL AND ALL FOUR SIDES OF THE SLEEVE WITH MINIMUM 11/2-INCH BY 11/2-INCH BY 0.060-INCH (38 MM BY 38 MM BY 1.52 MM) STEEL RETAINING ANGLES. THE RETAINING ANGLES SHALL BE SECURED TO THE SLEEVE AND THE WALL WITH NO. 10 (MS) SCREWS. THE ANNULAR SPACE BETWEEN THE STEEL SLEEVE AND THE WALL OPENING SHALL BE FILLED WITH ROCK (MINERAL) WOOL BATTING ON ALL SIDES.
39. THE CONTRACTOR SHALL VERIFY AND RECEIVE AN APPROVAL FROM THE HVAC SYSTEM'S MANUFACTURER TO ENSURE THE HVAC EQUIPMENTS PROPER OPERATION AT THE LOCAL WEATHER.

40. THE CONTRACTORS SHALL CONSTRUCT THE MECHANICAL SYSTEM ACCORDING TO MEPS MECHANICAL PLANS, CALCULATION, DETAILS AND SPECIFICATION. ALL REQUESTS FOR ALTERNATE MECHANICAL EQUIPMENT AND SOLUTIONS MUST BE SUBMITTED THROUGH REQUEST FOR INFORMATION (RFI).

41. THE CONTRACTOR SHALL REVIEW THE LIFE SAFETY OR FIRE RATED WALL PLANS ON THE ARCHITECT PLANS AND MECHANICAL PLANS TO ENSURE BIDDING PROPER NUMBERS OF FIRE/SMOKER DAMPER AND CEILING RADIANT DAMPERS.

42. THE COMPLETE MECHANICAL SYSTEM MUST BE TESTED, BALANCED, AND COMMISSIONED BY QUALIFIED COMMISSIONING AGENT DURING THE CONSTRUCTION PHASE PRIOR TO FULL OPERATION. FAILURE TO PROPERLY CONDUCT TESTING, BALANCING, AND COMMISSIONING THE MECHANICAL SYSTEM SHALL RESULT IN SYSTEM DYSFUNCTION, WHICH IS FULLY RESPONSIBLE BY THE CONTRACTOR

43. DUCTS AND PIPING SHALL BE DESIGNED AND INSTALLED TO MEET THE REQUIREMENTS OF THE CURRENT EDITION OF THE SMACNA DUCT CONSTRUCTION STANDARDS AND SEISMIC RESTRAINT MANUAL. INSTALLER SHALL HAVE A COPY OF THE MANUAL ON SITE AT TIME OF INSPECTIONS. WHERE DISCREPANCIES OCCUR IN THE FIELD, INSPECTION WILL HAVE JURISDICTION, OR JUSTIFICATION SHALL BE PROVIDED FOR STRUCTURAL REVIEW

44. ENVIRONMENTAL AIR DUCT EXHAUST SHALL TERMINATE NOT LESS THAN 3 FEET (914 MM) FROM A PROPERTY LINE, 10 FEET (3048 MM) FROM A FORCED AIR INLET, AND 3 FEET (914 MM) FROM OPENINGS INTO THE BUILDING. ENVIRONMENTAL EXHAUST DUCTS SHALL NOT DISCHARGE ONTO A PUBLIC WALKWAY. CONTRACTOR TO VERIFY ON PLAN PRIOR BIDDING

45. FACTORY-MADE FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET (1524 MM) IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE.

46. REFRIGERANT LINES SHALL BE ROUTED IN THE SHAFT AND THE SHAFT HAS TO BE VENTED PER 2021 IMC, CHAPTER 1109.3.2.

COMMERCIAL ENERGY CONSERVATION CODE COMPLIANCE

DRAWINGS: CONSTRUCTION DOCUMENTS SHALL REQUIRE THAT WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE RECORD DRAWINGS OF THE ACTUAL INSTALLATION BE PROVIDED TO THE BUILDING OWNER OR THE DESIGNATED REPRESENTATIVE OF THE BUILDING OWNER. RECORD DRAWINGS SHALL INCLUDE AS A MINIMUM THE LOCATION AND PERFORMANCE DATA ON EACH PIECE OF EQUIPMENT, GENERAL CONFIGURATION OF DUCT AND PIPE DISTRIBUTION SYSTEM INCLUDING SIZES, AND THE TERMINAL AIR OR WATER DESIGN FLOW RATES.

MANUALS: CONSTRUCTION DOCUMENTS SHALL REQUIRE THAT AN OPERATING MANUAL AND A MAINTENANCE MANUAL BE PROVIDED TO THE BUILDING OWNER OR THE DESIGNATED REPRESENTATIVE OF THE BUILDING OWNER WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE. THESE MANUALS SHALL BE IN ACCORDANCE WITH INDUSTRY-ACCEPTED STANDARDS (SEE APPENDIX E) AND SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:

(a) SUBMITTAL DATA STATING EQUIPMENT SIZE AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.

(b) OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, EXCEPT EQUIPMENT NOT FURNISHED AS PART OF THE PROJECT. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.

(c) NAMES AND ADDRESSES OF AT LEAST ONE SERVICE AGENCY.

(d) HVAC CONTROLS SYSTEM MAINTENANCE AND CALIBRATION INFORMATION, INCLUDING WIRING DIAGRAMS, SCHEMATICS, AND CONTROL SEQUENCE DESCRIPTIONS. DESIRED OR FIELD-DETERMINED SET-POINTS SHALL BE PERMANENTLY RECORDED ON CONTROL DRAWINGS AT CONTROL DEVICES OR, FOR DIGITAL CONTROL SYSTEMS, IN PROGRAMMING COMMENTS.

(e) A COMPLETE NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE, INCLUDING SUGGESTED SET-POINTS.

GENERAL NOTE

1. THE CONTRACTORS SHALL CONSTRUCT MEP SYSTEM ACCORDING TO MEPS PLANS, CALCULATION, DETAILS AND SPECIFICATION. ALL REQUESTS FOR ALTERNATE MATERIAL EQUIPMENT AND SOLUTIONS MUST BE SUBMITTED THROUGH REQUEST FOR INFORMATION (RFI). FAILURE TO SUBMIT THE RFI SHALL RESULT IN THE DISAPPROVAL OF CHANGE ORDER (IF ANY) FOR THE PROPOSED ALTERNATE MATERIAL, EQUIPMENT, AND SOLUTION.

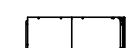




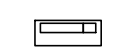











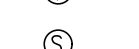



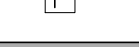









2. THE CONTRACTORS ARE REQUIRED TO FOLLOW THE SPECIFIED EQUIPMENTS INSTALLATION MANUAL FROM THE MANUFACTURE

3. THE CONTRACTORS ARE REQUIRED TO FOLLOW THE LOCAL BUILDING CODE OF AUTHORITY HAVING JURISDICTION.

4. MECHANICAL CONTRACTOR TO INSTALL ROOF TOP UNITS SECURED TO ROOF PER REQUIRED SEISMIC/ WIND LOAD STANDARDS.

5. THE CONTRACTORS ARE REQUIRED TO SUBMIT THEIR VALUED ENGINEERING (IF ANY) TO MEP GREEN DESIGN AND BUILD PLLC. FOR ASSESSMENT AND COMMENT/APPROVAL BEFORE EXECUTING THEM ON THE JOB SITE. OTHERWISE, THE CONTRACTORS SHALL HOLD ALL RES.PONSIBILITIES REGARDING RES.PONDING TO THE INSPECTORS, RESUBMITTING PLANS FOR CITY REAPPROVAL, ETC. DUE TO THE CHANGES MADE ON THE JOB SITE WITHOUT WRITTEN APPROVAL FROM THE ENGINEER OF RECORD AND OWNER.

6. ALL EXTERNAL LOUVERS/REGISTER SHALL BE PAINTED/COORDINATED WITH ARCHITECTURAL PLAN FOR ADJACENT BUILDING COLOR

| MECHANICAL SYMBOLS | | | | | | |
|---|--------------|---|--------------|---|--------------|---|
| SYMBOL | ABBREVIATION | DESCRIPTION | ABBREVIATION | DESCRIPTION | ABBREVIATION | DESCRIPTION |
|  | AHU | AIR HANDLING UNIT-HORIZONTAL (ABOVE CEILING) | ACCU | AIR COOLED CONDENSING UNIT | LDB | LEAVING DRY BULB TEMPERATURE |
|  | AHU | AIR HANDLING UNIT _ VERTICAL | AHU | AIR HANDLING UNIT | LWB | LEAVING WET BULB TEMPERATURE |
|  | AD | ACCESS DOOR | AD | ACCESS DOOR | LRA | LOCKED ROTOR AMP |
|  | AF | ABOVE FINISHED FLOOR | AF | ABOVE FINISHED FLOOR | MC | MECHANICAL CONTRACTOR |
|  | AP | ACCESS PANEL | AP | ACCESS PANEL | MA | MIXED AIR |
|  | ASHRAE | AMERICAN SOCIETY OF HEATING, REFRIGERANT & AIR CONDITIONING ENGINEERS | ASHRAE | AMERICAN SOCIETY OF HEATING, REFRIGERANT & AIR CONDITIONING ENGINEERS | NFPA | NATIONAL FIRE PROTECTION ASSOCIATION |
|  | FCU | FAN COIL UNIT - DUCTLESS | ASME | AMERICAN SOCIETY OF MECHANICAL ENGINEERS | M | ONE THOUSAND |
|  | PTAC | PACKAGE AIR-CONDITIONING UNIT | BTU | BRITISH THERMAL UNIT | MBH | 1000 BTU PER HOUR |
|  | CA | COMBUSTION AIR | BTUH | BRITISH THERMAL UNIT PER HOUR | OSA | OUTSIDE AIR |
|  | CFM | CUBIC FEET PER MINUTE | CA | COMBUSTION AIR | OSAT | OUTSIDE AIR TEMPERATURE |
|  | EF | EXHAUST FAN | CFM | CUBIC FEET PER MINUTE | PACU | PACKAGE AIR-CONDITIONING UNIT |
|  | SAD | SUPPLY AIR DIFFUSER | 'F | DEGREES FAHRENHEIT | RA | RETURN AIR |
|  | DIA. | DIAMETER | DIA. | DIAMETER | RG | RETURN GRILLE |
|  | DF | DUCT FURNACE | DF | DUCT FURNACE | RR | RETURN REGISTER |
|  | EBBH | ELECTRIC BASEBOARD HEATER | EBBH | ELECTRIC BASEBOARD HEATER | RAT | RETURN AIR TEMPERATURE |
|  | EUH | ELECTRIC UNIT HEATER | EBBH | ELECTRIC BASEBOARD HEATER | RPM | REVOLUTIONS PER MINUTE |
|  | EAT | ENTERING AIR TEMPERATURE | EUH | ELECTRIC UNIT HEATER | SMACNA | SHEET METAL & AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION |
|  | EDB | ENTERING DRY BULB TEMPERATURE | EAT | ENTERING AIR TEMPERATURE | TSP | TOTAL STATIC PRESSURE |
|  | EWB | ENTERING WET BULB TEMPERATURE | EDB | ENTERING DRY BULB TEMPERATURE | SA | SUPPLY AIR |
|  | EF | EXHAUST FAN | EWB | ENTERING WET BULB TEMPERATURE | SAG | SUPPLY AIR GRILLE |
|  | EAD | EXHAUST AIR DUCT | EF | EXHAUST FAN | SR | SUPPLY REGISTER |
|  | EAL | EXHAUST AIR LOUVER | EAD | EXHAUST AIR DUCT | Ta | TEMPERATURE DIFFERENCE |
|  | FFM | FEET PER MINUTE | EAL | EXHAUST AIR LOUVER | TYP. | TYPICAL |
|  | FD | FIRE DAMPER | FFM | FEET PER MINUTE | UL | UNDERWRITTEN LABORATORIES |
|  | FAL | FRESH AIR LOUVER | FD | FIRE DAMPER | VTAC | VERTICAL TERMINAL AIR-CONDITIONING |
|  | FLA | FULL LOAD AMPS | FAL | FRESH AIR LOUVER | VCD | VOLUME CONTROL DAMPER |
|  | GPM | GALLONS PER MINUTE | FLA | FULL LOAD AMPS | WSA | WIRE SIZE AMPS |
|  | GC | GENERAL CONTRACTOR | GPM | GALLONS PER MINUTE | | |
|  | HVAC | HEATING, VENTILATION AND AIR CONDITIONING | GC | GENERAL CONTRACTOR | | |
|  | HP | HORSE POWER | HVAC | HEATING, VENTILATION AND AIR CONDITIONING | | |
|  | "WC | INCHES WATER COLUMN | HP | HORSE POWER | | |
| | KW | KILOWATT | "WC | INCHES WATER COLUMN | | |
| | LAT | LEAVING AIR TEMPERATURE | KW | KILOWATT | | |
| | MD | MOTORIZED DAMPER | LAT | LEAVING AIR TEMPERATURE | | |
| | P | PRESSURE SENSOR | | | | |
| | | SUPPLY AIR DUCT | | | | |
| | | OUTSIDE AIR DUCT | | | | |
| | | RETURN AIR DUCT | | | | |
| | | EXHAUST AIR DUCT | | | | |
| | DU-1 | DEHUMIDIFICATION UNIT | | | | |
| | DCU-1 | DEHUMIDIFICATION CONDENSING UNIT | | | | |

BALANCE AIR CALCULATION

EXHAUST AIR QUANTITIES:

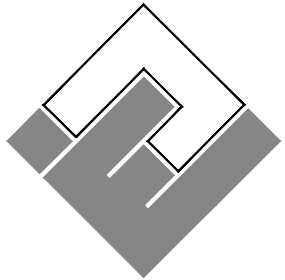
| | | |
|---|-------------------------|------------------------------|
| A) TOTAL GUEST ROOM BATH EXHAUST AIR QUANTITIES | - EXH. FAN EF-7,1~7.32: | 32 @ 90 CFM = 2880 |
| | - EXH. FAN EF-10 | 1 @ 330 CFM = 330 |
| B) UNISEX, CHUTE | - EXH. FAN EF-1: | 3 @ 50 CFM = 150 |
| C) ICE MACHINE | - EXH. FAN EF-1.1: | 4 @ 100 CFM = 400 |
| D) PUBLIC RESTROOM | - EXH. FAN EF-2: | 1 @ 375CFM = 375 |
| E) LAUNDRY EXHAUST | - EXH. FAN EF-4: | 1 @ 250 CFM = 250 |
| F) FITNESS CENTER | - EXH. FAN EF-5: | 1 @ 340 CFM = 340 |
| G) CHUTE ROOM | - EXH. FAN EF-9: | 4 @ 100 CFM = 400 |
| H) POOL DECK | - EXH. FAN EF-11: | 1 @ 640 CFM = 640 |
| | | TOTAL EXHAUST AIR CFM = 5765 |

OUTSIDE AIR QUANTITIES AND SOURCE:

| | |
|---|------------------------------|
| A) OUTSIDE AIR SERVED FOR THE GUESTROOMS: | 107 @ 35 CFM = 3745 |
| B) OUTSIDE AIR SERVED FOR THE GUEST CORRIDORS & 1ST FLOOR AHUs: | DOAS-1 = 4600 DCU-1 = 630 |
| TOTAL OUTSIDE AIR CFM = 5230 | |

OUTSIDE AIR > EXHAUST AIR => POSITIVE BUILDING PRESSURIZATION

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KINETIC DRIVE
HUNTINGTON WV

LOCATION NUMBER: HTKSD L91929

A DEVELOPMENT BY
DR. VISHNU PATEL

JUNE 09, 2025



FAST AND ACCURATE
Tel: 1-888-696-MEPG
contact@mepgreendesigns.com

| Date: JUNE 09, 2025 | | |
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| REVISIONS | | |
| NO. | DATE | COMMENTS |
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Sheet #

M1.0

MECHANICAL
SPECIFICATIONS & SYMBOLS

| AIR HANDLING UNIT WITH HEAT PUMP SCHEDULE (2 STAGE) | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------|----------------|---------|--------------|-------------------------|------------------|-----------|-------------|--------------|-----|--------------|------------------|----------------------|------------------|-----------------------|--------|-----------------|---------|-------------------|--------|------------------|-----------|-------------|--------------|--------------|--------|
| AIR HANDLING UNIT | | | | | | | | | | | HEAT | | AUXILIARY HEAT STRIP | | | | CONDENSING UNIT | | | | | | | | WEIGHT (LBS) | SEER 2 |
| MARK | C.F.M | E.S.P (IN. WC) | FAN H/P | EDB/EWB (°F) | TOTAL CAPACITY (BTU/HR) | VOLTAGE (V/P/HZ) | M.C.A (A) | M.O.C.P (A) | MODEL# | TON | WEIGHT (LBS) | HEATING (BTU/HR) | HSPF2 | VOLTAGE (V/P/HZ) | HEATING CAPACITY (KW) | MODEL# | MARK | AMBIENT | CAPACITY (BTU/HR) | STAGES | VOLTAGE (V/P/HZ) | M.C.A (A) | M.O.C.P (A) | MODEL# | | |
| AHU-1.1 | 1130 | 0.5 | — | 80/67 | 41400 | 208/1/60 | — | — | LG-KNUJB361A | 3 | 85.3 | 42200 | 9.3 | 208/1/60 | 3.8 | PRARH1 | ACCU-1.1 | 105 | 41400 | 2 | 208/1/60 | 32 | 35 | LG-KUSXB361A | 190 | 18.50 |
| AHU-1.2 | 706 | 0.5 | — | 80/67 | 28000 | 208/1/60 | — | — | LG-KNUJB241A | 2 | 64.2 | 26000 | 9.5 | 208/1/60 | 3.8 | PRARH1 | ACCU-1.2 | 105 | 28000 | 2 | 208/1/60 | 16 | 25 | LG-KUSXB241A | 136 | 17.00 |
| AHU-1.3 | 706 | 0.5 | — | 80/67 | 28000 | 208/1/60 | — | — | LG-KNUJB241A | 2 | 64.2 | 26000 | 9.5 | 208/1/60 | 3.8 | PRARH1 | ACCU-1.3 | 105 | 28000 | 2 | 208/1/60 | 16 | 25 | LG-KUSXB241A | 136 | 17.00 |
| AHU-1.4 | 1765 | 0.6 | — | 80/67 | 53000 | 208/1/60 | — | — | LG-KNSJB481A | 4 | 153 | 54000 | 9.5 | 208/1/60 | 3.8 | PRARH1 | ACCU-1.4 | 105 | 53000 | 2 | 208/1/60 | 32 | 40 | LG-KUSXB241A | 136 | 17.00 |
| AHU-1.5 | 706 | 0.5 | — | 80/67 | 28000 | 208/1/60 | — | — | LG-KNUJB241A | 2 | 64.2 | 26000 | 9.5 | 208/1/60 | 3.8 | PRARH1 | ACCU-1.5 | 105 | 28000 | 2 | 208/1/60 | 16 | 25 | LG-KUSXB241A | 136 | 17.00 |
| AHU-1.6 | 1400 | 0.8 | — | 80/67 | 53000 | 208/1/60 | — | — | LG-KNSJB481A | 4 | 146 | 54000 | 9.4 | 208/1/60 | 3.8 | PRARH1 | ACCU-1.6 | 105 | 53000 | 2 | 208/1/60 | 32 | 40 | LG-KUSXB481A | 190 | 18.00 |
| AHU-1.7 | 1130 | 0.5 | — | 80/67 | 41400 | 208/1/60 | — | — | LG-KNUJB361A | 3 | 85.3 | 42200 | 9.3 | 208/1/60 | 3.8 | PRARH1 | ACCU-1.7 | 105 | 41400 | 2 | 208/1/60 | 32 | 35 | LG-KUSXB361A | 190 | 18.50 |
| AHU-1.8 | 1765 | 0.6 | — | 80/67 | 53000 | 208/1/60 | — | — | LG-KNSJB481A | 4 | 153 | 54000 | 9.5 | 208/1/60 | 3.8 | PRARH1 | ACCU-1.8 | 105 | 53000 | 2 | 208/1/60 | 32 | 40 | LG-KUSXB241A | 136 | 17.00 |
| MCA = MINIMUM CIRCUIT AMPS C.B. = CIRCUIT BREAKER MOCP = MAXIMUM OVER CURRENT PROTECTION | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. ALL AIR HANDLING UNITS SHALL BE PROVIDED WITH FACTORY INSTALLED HEATER PACKAGES (FUSED CIRCUIT BREAKERS), DISCONNECT SWITCH, TIME-DELAY RELAY, FACTORY-SUPPLIED POWER CORD, 40-VA- TRANSFORMER, PRE-PAINTED GALVANIZED STEEL CABINET WITH R 4.2 INSULATION, MINIMUM 2% CABINET LEAKAGE RATE WHEN TESTED AT 1.0 INCHES OF STATIC PRESSURE, PRIMARY AND SECONDARY DRAIN CONNECTIONS WITH BRASS INSERTS, INSPECTION PLATES FOR CLEANING COIL, FACTORY-SUPPLIED CLEANABLE FILTER FRAME. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. FURNISH COMMERCIAL PROGRAMMABLE ELECTRONIC THERMOSTATS WITH 7 DAY TIME LOCK, AUTO CHANGEOVER, MULTI STAGE CAPACITY, AND LARGE LCD TEMPERATURE DISPLAY FOR EACH ZONE. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. FURNISH A SMOKE DETECTOR IN THE RETURN DUCT OF EACH UNIT SERVING A CORRIDOR, INTERLOCK THE UNIT TO SHUT DOWN WHEN SMOKE IS DETECTED. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. THERMOSTATIC CONTROLS SHALL BE CAPABLE OF PROVIDING A TEMPERATURE RANGE OR DEAD BAND OF AT LEAST 3 DEGREES. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. FURNISH A PROGRAMMABLE THERMOSTAT WITH EACH UNIT. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. EACH COOLING COIL SHALL BE FURNISHED WITH A MATCHING THERMOSTATIC EXPANSION VALVE (TXV). | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. ALL CONDENSING UNITS SHALL BE FURNISHED WITH CRANKCASE HEATER, LOW AMBIENT KIT & WINTER START CONTROL. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. OPTIONAL SAFETY DEVICE SHALL INCLUDE H.P. & L.P. CUTOUT SWITCH AND EVAPORATOR FREEZE THERMOSTAT. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. IN CASE THE DISTANCE BETWEEN INDOOR AND OUTDOOR UNITS EXCEEDS 60 FEET, THE CONTRACTOR MUST CONTACT THE MANUFACTURE FOR INSTRUCTION. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. PROVIDE MERV-13 FILTERS FOR AHUs WHICH SERVE MULTI-OCCUPANT SPACES. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11. PROVIDE UNIT WITH CONDENSATE PUMP FOR AHUs LOCATED ABOVE CEILING. | | | | | | | | | | | | | | | | | | | | | | | | | | |

| PACKAGED TERMINAL HEAT PUMP | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-------------|-------------|------------|-------------|------------------|-----------------|-------|------|--------|--------|------------------|-------|------|--------|------------------------|------|------|----------|---------------------------------------|
| MARK | MANUFACTURE | MODEL NO. | AREA SERVED | FAN | | COOLING CAPACITY | | | | | EER | HEATING CAPACITY | | | | ELECT. HEATER CAPACITY | | | VOLTAGE | REMARKS |
| | | | | CFM HI/LOW | MIN. O.S.A. | TOTAL BTU/HR | SENSIBLE BTU/HR | WATTS | AMPS | BTU/HR | | C.O.P. | WATTS | AMPS | BTU/HR | WATTS | MCA | MOCP | | |
| PTAC-1 | GE | AZVS09DMQWA | GUEST ROOMS | 400/290 | 35 | 9,600 | 7200 | 770 | 3.9 | 12.4 | 7,900 | 3.9 | 595 | 3.2 | 9,400 | 2,780 | 13.8 | 20 | 208/1/60 | SEE NOTE #1,2,3,4,5,6,7,8,9,10,11,12. |
| PTAC-2 | GE | AZVS12DMQWA | GUEST ROOMS | 440/305 | 35 | 11,900 | 8925 | 1020 | 5.1 | 11.6 | 10,000 | 3.8 | 830 | 3.5 | 9,400 | 2,780 | 13.8 | 20 | 208/1/60 | SEE NOTE #1,2,3,4,5,6,7,8,9,10,11,12. |
| <div>1. PROVIDE WITH FACTORY INSTALLED POWER CORD & SUB-BASE WITH ACCESS PLATES FOR THE MOUNTING OF ELECTRICAL RECEPTACLE.</div> <div>2. PROVIDE INSTRUCTION PLATE AT UNIT FOR REMOTE T-STAT AT WALL.</div> <div>3. PROVIDE UNIT WITH REMOTE WALL T-STAT.</div> <div>4. PROVIDE ARCHITECTURAL OUTDOOR GRILLE, PAINT GRILLE TO MATCH EXTERIOR WALL.</div> <div>5. PROVIDE INSULATED STEEL WALL SLEEVE MODEL WS900E. WALL SLEEVE, 14 1/8" D X 42" W X 16" H, GALVANIZED STEEL, STONEWOOD BEIGE,INSULATED W/ WEATHER BOARD.</div> <div>6. PROVIDE INTERNAL CONDENSATE DRAIN KIT.</div> <div>7. PROVIDE UNIT WITH LOW AMBIENT CONTROL AND LOW AMBIENT LOCKOUT TO LOCKOUT COMPRESSOR BELOW 40°F.</div> <div>8. FURNISH UNIT WITH 42"W x 16"H x 14 1/8"D WALL CASE.</div> <div>9. SEE MECHANICAL PLANS FOR EXACT LOCATIONS AND QUANTITIES OF UNITS.</div> <div>10. T-STAT/REMOTE CONTROL WITH TWO SPEED FAN CONTROL CAPABILITY.</div> <div>11. ALL PTACS ARE PROVIDED MERV 8 FILTER CONDITION AND FILTER THE OUTSIDE VENTILATION AIR BY MANUFACTURER.</div> <div>12. THERMOSTATS SHALL HAVE OCCUPANCY SENSORS AND SHALL BE APPROVED BY IHG. PLEASE REFER TO THE APPROVED LIST OF THERMOSTATS FOR GUEST ROOMS IN THE IHG BRAND STANDARDS.</div> <div>- GUEST ROOM THERMOSTATS MUST BE NETWORKED TO PROVIDE REMOTE MONITORING AND CONFIGURATION. ENSURE THAT ALL THERMOSTATS ARE SUPPLIED WITH AN ONLINE CONNECTION KIT TO PROVIDE THE CAPABILITY TO CENTRALLY MONITOR AND CONFIGURE THE THERMOSTATS VIA A DASHBOARD.</div> <div>- THE GUEST ROOM NETWORKED OCCUPANCY SENSING THERMOSTATS AND PUBLIC AREA AND BACK-OFF-HOUSE PROGRAMMABLE THERMOSTATS, PER OUR BRAND STANDARD REQUIREMENTS, THE GUEST ROOM NETWORK OCCUPANCY SENSOR THERMOSTATS ARE REQUIRED FOR ALL NEW DEVELOPMENT PROPERTIES AND THE PUBLIC AREA AND BACK-OFF-HOUSE PROGRAMMABLE THERMOSTATS NEED TO BE INCORPORATED NOW. PLEASE SELECT MODELS FROM THE APPROVED LIST ON DESIGN CONNECT.</div> | | | | | | | | | | | | | | | | | | | | |

| ZONE REGISTER TERMINAL SCHEDULE | | | | | | |
|--|------|-----|------|--------------|------------|------|
| TAG | SIZE | CFM | ESP | MANUFACTURER | AREA SERVE | NOTE |
| ZRT-1 | 4" | 30 | 0.20 | ALDES | GUESTROOM | ALL |
| NOTES: 1. UNIT SHALL BE POWERED WITH 120V. 2. INSTALL ALL ZRT-1 UNITS WITH EASY ACCESS OF CONTROLS. 3. PROVIDE UNIT WITH MANUFACTURER MOUNTING KITS. 4. REFER TO MANUFACTURER FOR CONTROL AND SEQUENCE. 5. ZRT-1 WILL RUN INTERLOCK WITH GUEST ROOM MANAGEMENT SYSTEM (GRMS). | | | | | | |

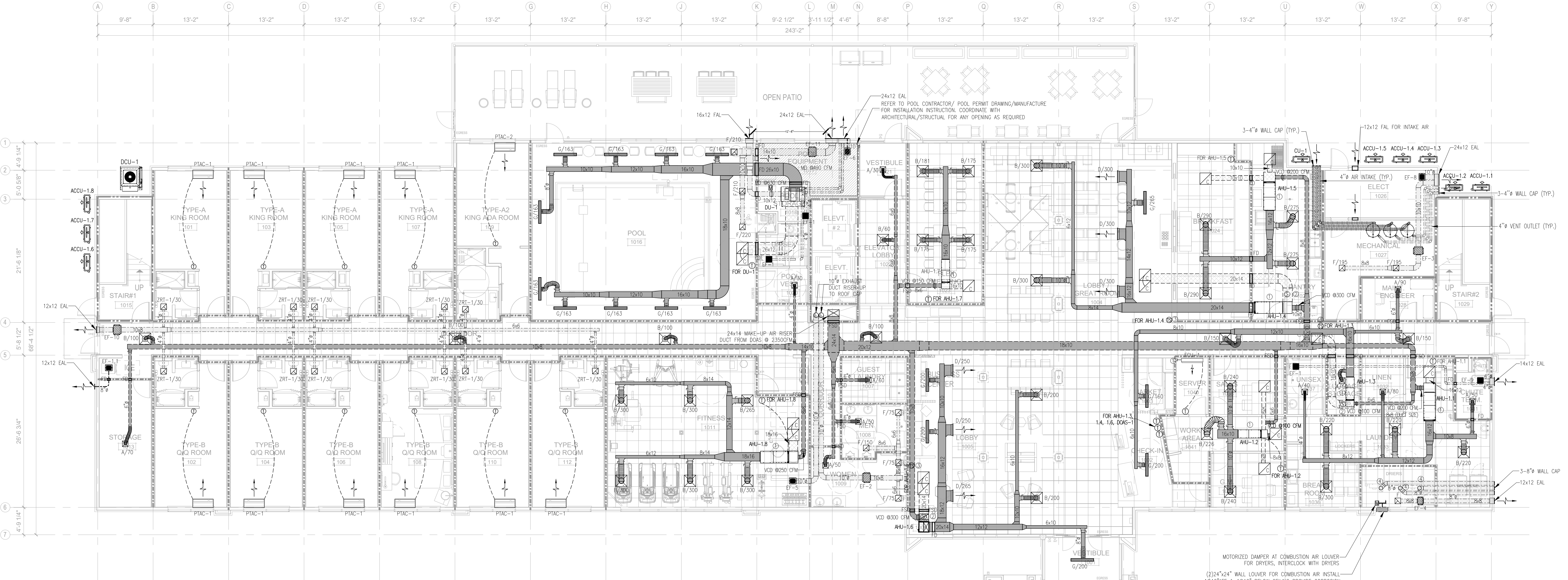
| COMBUSTION AIR ANALYSIS | | | | |
|-------------------------|-----------------|--|-------------------------|------------------|
| AREA SERVED | TOTAL GAS INPUT | REQUIRED SIZE OF OPENING STANDARD (SECTION 304 -IFGC 2018) | MINIMUM SIZE OF OPENING | PROPOSED LOUVERS |
| COMM. LAUNDRY | 495,000 BTUH | 1 SQ. IN. PER 2000 BTUH | 248 SQ. IN. | 2 NOS OF 24x24 |

| DEHUMIDIFICATION AIR HANDLING UNIT SCHEDULE (POOL) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-----------------|------|------------|----------------|-----------------|------|---------------|--------|------------|---------------|--------|---------------------------|------------|----------|-------|-------------------|----------|-----------|--------|---------|----------|-----|-----|-----|-----------------|----------|--|
| INDOOR | | | | | | | | | | | | | | OUTDOOR | | | | | | | | | | | | | | |
| UNIT NO. | AREA SERVED | LOCATION | CFM | O.A. (CFM) | E.S.P. (IN WC) | ROOM CONDITIONS | | ELECTRIC HEAT | | COMP (QTY) | COOLING | | MOISTURE REMOVAL (LBS/HR) | ELECTRICAL | | | MAKE/MODEL | UNIT NO. | LOCATION | SERVES | AMBIENT | V/P/HZ | HP | MCA | MOP | MAKE/MODEL | | |
| | | | | | | °FDB | % RH | KW | FLA(A) | | CAPACITY(MBH) | V/P/HZ | | MCA | MAX FUSE | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | TOTAL | | | | | | | | | | | SENSIBLE | |
| DU-1 | POOL AREA | POOL MECHANICAL | 1630 | 630 | 1.0 | 80 | 60 | 20 | - | 1 | 50 | 33 | 23.6 | 208/3/60 | 97 | 100 | SERESCO NE-004-PS | DCU-1 | 1ST FLOOR | DU-1 | 95 | 208/3/60 | 1.6 | 8 | 15 | Seresco NG-V-01 | | |
| NOTES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Unit shall include a supplemental pool water heater option for heat rejection into pool water. Pool water heat exchanger shall be coaxial. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Lines sizes: Hot Gas = 3/4", Liquid = 1/2" | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. Refrigerant (R-454B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. (Based on a run of 0-10 ft vertical & 40 ft horizontal; total run not to exceed 50 ft.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. Provide traps at all elevation changes and every 15 ft. of riser. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. Provide a separate power supply to the outdoor condenser. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. Provide non-fused disconnects with indoor and outdoor units | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. Unit shall include 2-year unit parts warranty, 5-year warranty on the compressor and 5-year warranty on the coils. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. Compressor shall be isolated from the airstream in a separate mechanical vestibule for both ease of service and to prevent compressor heat from being admitted into supply airstream. (Units with compressors in the airstream shall provided NET delivered sensible cooling output to match the scheduled sensible cooling requirement) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. Unit shall include a motorized O/A damper | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11. Controls sequence: Unit shall have a user-friendly electronic control monitor with room temperature and humidity control and unit trouble-shooting capability. Include unit mounted refrigerant pressure transducers on each compressor circuit, and air pressure switches across filters and coils. Control and service points monitored shall be air temp, humidity, water temps, refrigerant high and low pressure, sensor failures, low water fault, anti short-cycle control and communication fault. Monitoring shall be accomplished by placing all the temp and humidity sensors in the unit and monitoring with a digital display controller that is unit mounted---the panel shall include all setpoints for operation. Controller shall be capable of updating thru a computer connetion or internet connection Controller shall be capable of monitoring over an internet connection at the option of the owner at a later date | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12. Unit mounted modulating SCR electric heater | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13. Unit shall include fully modulating hot gas reheat for temperature and humidity control (on/off reheat not acceptable) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14. All airside coils shall be fully dipped for corrosion protection (fin only coating not acceptable) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15. Supply blower shall be direct drive with EC control. Fan speed shall be adjustable from the unit controller (Belt drives not acceptable) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16. Unit shall have MERV 12 OSA and RA filters | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17. Unit shall have factory trained startup service. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact Grant Gotham @ GothamShaffler, Inc. for information. phone: 1-901-345-8100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| SPLIT DX FANCOIL UNIT SCHEDULES. | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------|-----------------|-----------|--------|--------|--------------|----------------------------|------------------|---------------------|-------------------|---------------|------|--------------------|-----------|--------------------------|-------|-------|------------|---------|----------|--------------------------|
| INDOOR UNIT | | | | | | | | | | | OUTDOOR UNIT | | | | | | | | | | |
| MARK | MANUFACTURER BASED ON | AREA SERVED | MODEL # | FAN | | | COOLING CAPACITY BTU/HR | HEAT CAPACITY | | APPROX. WEIGHT | CONFIGURATION | MARK | MANUF. BASED ON | MODEL # | NOM. CAPACITY TONS | SEER2 | HSPF2 | ELECTRICAL | | | |
| | | | | C.F.M. | O.S.A. | EXT. S.P. | | SUPPLEMTL. KW | HEAT PUMP BTU/HR | | | | | | | | | M.C.A | M.O.C.P | VOLTAGE | APPROX. WEIGHT LBS |
| FCU-1 | LG | SERVER | KNSAL241A | 813 | 0 | -- | 24,300 | -- | -- | 30.6 | HIGH WALL | CU-1 | LG | KUSAL241A | 2.0 | 23 | -- | 19 | 30 | 208/1/60 | 147.7 |
| FCU-2 | LG | ELEV. EQUIPMENT | KSSAL241A | 813 | 0 | -- | 22,000 | -- | 24,000 | 37.7 | HIGH WALL | CU-2 | LG | KUSAL241A | 2.0 | 23 | 10.2 | 19 | 30 | 208/1/60 | 147.7 |
| <div>* INDOOR UNIT POWERED FROM OUTDOOR UNIT. MCA = MINIMUM CIRCUIT AMPS MOCP = MAXIMUM OVERCURRENT PROTECTION AMPS * IN CASE THE DISTANCE BETWEEN INDOOR AND OUTDOOR UNITS EXCEED 60 FEET, THE CONTRACTOR MUST CONTACT THE MANUFACTURE FOR INSTRUCTION. * PROVIDE UNIT WITH CONDENSATE PUMP.</div> | | | | | | | | | | | | | | | | | | | | | |

| FLEXIBLE DUCT SIZE SCHEDULE | |
|-----------------------------|--------------------------------------|
| SUPPLY AIR (CFM) | DIFFUSER NECK AND FLEXIBLE DUCT SIZE |
| 0-100 | 6" |
| 101-200 | 8" |
| 201-300 | 10" |
| 301-400 | 12" |
| 401-500 | 14" |

| EXHAUST FAN SCHEDULES | | | | | | | | | | | | | | | | | | |
|--|-------------|-------------|-------------|--------------------|--|--------|--------|-------|------------|---|----------|-------------|------------|---------------------------|--|--|--|--|
| MARK | TYPE | MANUFACTURE | MODEL # | AREA SERVED | MIN. CAPACITY | | DRIVE | RPM | ELECTRICAL | | | INLET SONES | WEIGHT LBS | REMARKS | | | | |
| | | | | | C.F.M. | E.S.P. | | | WATTS | HP | VOLTAGE | | | | | | | |
| EF-1 | CEILING | GREENHECK | SP-AP0511W | UNSEX, STORAGE | 50 | 0.500 | DIRECT | 0,828 | 14 | -- | 115/1/60 | 2.0 | 10 | NOTES #1, 3, 4, 6. | | | | |
| EF-1.1 | CEILING | GREENHECK | SP-A390-VG | ICE MACHINE | 150 | 0.375 | DIRECT | 1,084 | 23 | -- | 115/1/60 | 3.0 | 24 | NOTES #1, 3, 4, 6. | | | | |
| EF-2 | INLINE | GREENHECK | CSP-A710-VG | PUBLIC RESTROOM | 375 | 0.500 | DIRECT | 1,225 | 94 | -- | 115/1/60 | 1.5 | 36 | NOTES #3, 6. | | | | |
| EF-3 | INLINE | GREENHECK | CSP-A710-VG | MECHANICAL | 390 | 0.375 | DIRECT | 1,147 | 86 | -- | 115/1/60 | 1.4 | 36 | NOTES #3, 6. | | | | |
| EF-4 | INLINE | GREENHECK | CSP-A390-VG | LAUNDRY EXHAUST | 250 | 0.375 | DIRECT | 1,172 | 43 | -- | 115/1/60 | 1.8 | 24 | NOTES #3, 6. | | | | |
| EF-5 | CEILING | GREENHECK | SP-A390-VG | FITNESS CENTER | 340 | 0.375 | DIRECT | 1,368 | 76 | -- | 115/1/60 | 5.0 | 24 | NOTES #1, 3, 4, 5, 13. | | | | |
| EF-6 | CEILING | GREENHECK | SP-A390-VG | POOL EQUIPMENT | 340 | 0.375 | DIRECT | 1,368 | 76 | -- | 115/1/60 | 5.0 | 24 | NOTES #1, 3, 4, 6, 9, 13. | | | | |
| EF-7.1-7.32 | CENTRIFUGAL | GREENHECK | G-097-VG | GUEST ROOM EXHAUST | 90 | 0.500 | DIRECT | 1,113 | -- | 1/4 | 115/1/60 | 4.4 | 54 | NOTES #3, 6, 7, 11. | | | | |
| EF-8 | CEILING | GREENHECK | SP-A390-VG | ELECTRICAL | 360 | 0.375 | DIRECT | 1,412 | 86 | -- | 115/1/60 | 5.0 | 24 | NOTES #1 3, 4, 8, 13. | | | | |
| EF-9 | CEILING | GREENHECK | SP-LP0810W | CHUTE STORAGE | 100 | 0.250 | DIRECT | 0,894 | 8 | -- | 115/1/60 | 1.5 | 8 | NOTES #1, 2, 3, 4. | | | | |
| EF-10 | INLINE | GREENHECK | CSP-A710-VG | GUEST ROOM EXHAUST | 330 | 0.625 | DIRECT | 1,285 | 91 | -- | 115/1/60 | 1.5 | 36 | NOTES #3, 6. | | | | |
| EF-11 | INLINE | GREENHECK | SO-100-VG | POOL DECK | 640 | 0.500 | DIRECT | 1,252 | -- | 1/4 | 115/1/60 | 6.3 | 45 | NOTES #6, 9, 13. | | | | |
| EF-12 | CENTR. | GREENHECK | CUE-090-D | ELEVATOR PENTHOUSE | 400 | 0.500 | DIRECT | 1,550 | -- | 1/15 | 115/1/60 | 7.6 | 41 | NOTES # 3, 7, 8. | | | | |
| NOTES: | | | | | | | | | | | | | | | | | | |
| 1. PROVIDE THE FAN WITH A CEILING RADIATION DAMPER IF THE FAN IS INSTALLED ON THE RATED CEILING ASSEMBLIES. | | | | | 5. FAN WILL RUN INTERLOCK WITH AHU-1.8. | | | | | 9. PROVIDE HX-PRO POLYESTER COATING FOR ACID AND CHLORINE RESISTANCE. | | | | | | | | |
| 2. INTERLOCK FAN WITH LIGHTING | | | | | 6. FAN WILL RUN CONTINUOUSLY. | | | | | 10. PROVIDE FAN WITH INDEPENDENT SWITCH. | | | | | | | | |
| 3. PROVIDE FAN WITH MANUFACTURERS BACKFART DAMPER. | | | | | 7. PROVIDE FAN WITH 14" MANUFACTURER ROOF CURB. | | | | | 11. PROVIDE FAN WITH VARIABLE FREQUENCY DRIVE. | | | | | | | | |
| 4. PROVIDE FAN WITH OFF-WHITE ALUMINUM GRILLE. | | | | | 8. PROVIDE FAN WITH TEMPERATURE SENSOR. (FAN SHALL BE ON WHEN THE TEMPERATURE RISE OVER 80 DEGREES F) | | | | | 12. PROVIDE FAN WITH APPROVED MOTORIZED DAMPER, THERMOSTAT (FAN SHALL BE ON WHEN THE TEMPERATURE RISE OVER 90 DEGREES F) | | | | | | | | |
| 13. PROVIDE FAN WITH MULTIPLE FAN SPEED/VARIABLE FAN SPEED FOR NOISE CONTROL. | | | | | | | | | | | | | | | | | | |



GENERAL NOTES:

1. REFER TO SHEET M1.0-1 & M3.0 FOR DETAILS AND SCHEDULES.
2. REFER TO SHEET M2.1 THRU. M2.4 FOR THE SECOND, THIRD AND FOURTH FLOOR PLAN MECHANICAL DRAWING.
3. ALL HVAC PENETRATIONS THROUGH THE FIRE RATED CEILING SHALL BE PROTECTED BY CEILING FIRE DAMPERS. DAMPERS SHALL BE CLASSIFIED UNDER UL STANDARD 555C. ALL PENETRATIONS THROUGH FIRE WALLS SHALL BE PROTECTED BY RUSKIN MODEL CF02/CF0R2 CEILING FIRE DAMPER.
4. CONTRACTOR TO PROVIDE THE FD/FSO AS REQUIRE WHERE DUCT PENETRATED THRU RATE WALL, SEE ARCHITECTURAL DRAWING FOR RATED WALL LOCATIONS. FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL FSD-37 OR EQUIVALENT. IT IS RATED AS A 1-1/2" HOUR FIRE DAMPER AND A LEAKAGE CLASS I DAMPER.
5. REFER THE ARCHITECTURAL PLANS AND ID PLANS FOR THE EXACT THERMOSTAT LOCATION.
6. CONNECT FULL LINE SIZE CONDENSATE DRAIN FROM EACH PACKAGED AIR CONDENSING UNIT TO THE CONDENSATE RISER. RUN CONDENSATE DRAIN LINES FROM AIR HANDLING UNITS TO THE NEAREST UTILITY SINK OR MOP SINK, OR HUB DRAIN. PROVIDE A P-TRAP AT EACH DRAIN CONNECTION.
7. COMBUSTION AIR SHALL NOT BE OBTAINED FROM A HAZARDOUS LOCATION OR FROM ANY AREA IN WHICH OBJECTIONABLE QUANTITIES OF FLAMMABLE VAPOR, LINT OR DUST ARE RELEASED. COMBUSTION AIR SHALL NOT BE TAKEN FROM A REFRIGERATION MACHINERY ROOM.
8. PROVIDE UV PROTECTIVE COATING/COVERING ON ALL ELASTOMERIC PIPE INSULATION WHERE EXPOSED TO SUNLIGHT.
9. PROVIDE CEILING ACCESS PANELS FOR ALL CEILING-MOUNTED EQUIPMENT. SEE ARCHITECTURAL DRAWINGS FOR ACCESS PANEL REQUIREMENTS IN PUBLIC AREAS.
10. PROVIDE FIRE CAULKING WHEN THE METAL DUCT PENETRATE THE RATED ASSEMBLY.
11. PROVIDE THE SECONDARY DRAIN PANS FOR ALL AHUS THAT ARE HUNG ABOVE THE CEILING.
12. PROVIDE ALDES ZONE REGISTER TERMINAL (ZRT-1) AT GUESTROOM EXHAUST INLETS. WITHIN 30 MINUTES WHEN THE GUEST LEAVES THE ROOM, THE PACKAGED TERMINAL AIR CONDITIONER WITH MAKE UP AIR AND ZRT-1 AT THE EXHAUST AIR WILL AUTOMATICALLY SHUT OFF.
13. PROVIDE REFRIGERANT PIPES FROM/TO CORRESPONDING CONDENSING UNIT. REFER TO MANUFACTURER FOR INSTRUCTION INSULATION. PROVIDE 1-1/2" AF ARMAFLEX INSULATION AS REQUIRED.
14. PROVIDE THE FSD FOR PENETRATED DUCT WORK THRU RATED FLOOR AND SHAFTS AS REQUIRED. FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL FSD-37 OR EQUAL. IT IS RATED AS A 1-1/2" HOUR FIRE DAMPER AND A LEAKAGE CLASS I DAMPER.
15. PROVIDE CEILING RADIATION DAMPER WHERE THE REGISTER IS INSTALLED ON FIRE RATED CEILING. TYP
16. ALL SUPPLY AND EXHAUST DUCTWORK (26 GA MINIMUM) ON GUEST ROOM LEVELS SHALL BE HARD PIPED. NO FLEXIBLE DUCTWORK ALLOWED FOR FIRE DAMPER EXCEPTION IN IBC 717.5.2 EXCEPTION #3 (FIRE BARRIERS) AND IBC 717.5.4 EXCEPTION #4 (FIRE PARTITIONS).
17. NO FIRE DAMPERS NEEDED AT FIRE PARTITION PENETRATIONS IF COMPLY WITH IBC 717.5.4 EXCEPTION #1 AT CORRIDOR WALLS AND EXCEPTION #4 AT NON-CORRIDOR WALLS.
18. NO FIRE DAMPERS NEEDED AT FIRE BARRIER PENETRATION IF COMPLY WITH IBC 717.5.2 EXCEPTION #3
19. PROVIDE FSD FOR THE SUPPLY/RETURN/EXHAUST AT 2 HOUR RATED PENETRATION FLOOR/CEILING/ROOF/ASSEMBLY AS REQUIRE. REFER TO ARCHITECTURAL PLANS FOR DETAIL.

MECHANICAL
FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

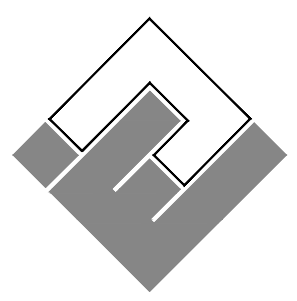
| FIRE RATINGS LEGEND: | |
|----------------------|-----------------------|
| ---- | 1 HOUR FIRE PARTITION |
| ----- | 2 HOUR FIRE BARRIER |

KEY NOTES:

1. PROVIDE FULL SIZE CONDENSATE PIPE TO THE NEAREST APPROVE SANITARY PLUMBING FIXTURE, FLOOR DRAIN, FLOOR SINK, HUB DRAIN OR STORM DRAIN SYSTEM, FOR AHU/FCU FIELD VERIFY AS REQUIRED. CONDENSATE PIPE SHALL BE INSULATED WITH 1" AF ARMAFLEX INSULATION (TYP)
2. SMOKE DETECTOR SHALL BE CONNECTED TO THE ALARM PANEL & INTERLOCKED WITH AHU TO SHUT DOWN WHEN SMOKE IS DETECTED.
3. PROVIDE WALL MOUNTED T-STAT SENSOR AND WIRING BACK TO THE CORRESPONDING T-STAT CONTROLLER IN CHECK-IN AREA.
4. MECHANICAL CONTRACTOR TO PROVIDE BOOSTER FAN AND LINT TRAP FOR ALL THE DRYER PER MANUFACTURER INSTRUCTION. INSTALLATION. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER AND CONTROL WIRING AS REQUIRED AND PROVIDE A MEANS OF CLEANOUT FOR EACH DRYER VERTICAL RISER.

NOTES FOR HVAC SYSTEM:
BALANCING AND REPORT HVAC
SYSTEM HAS TO BE DONE BY
PROFESSIONAL CONSULTANT.

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KINETIC DRIVE
HUNTINGTON WV

LOCATION NUMBER: HTKSD L91929

A DEVELOPMENT BY
DR. VISHNU PATEL

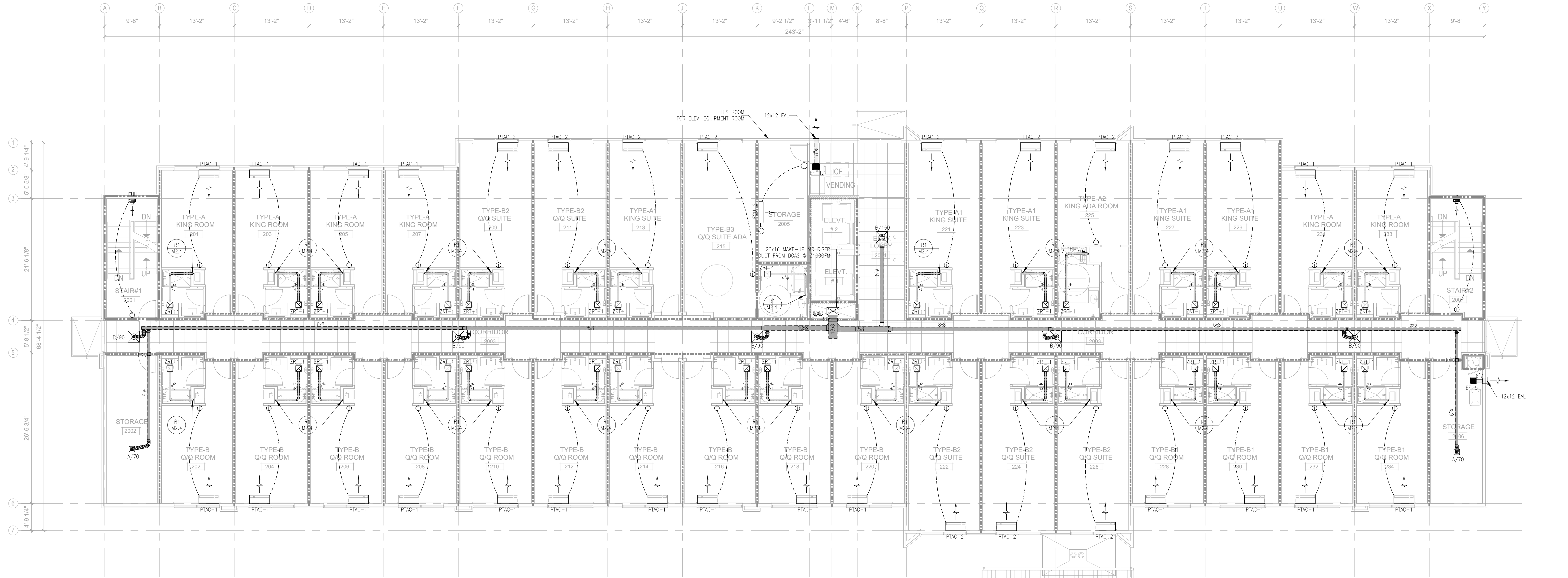
JUNE 09, 2025



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contact@mepgreendesigns.com

| Date: JUNE 09, 2025 | |
|---------------------|---------------|
| REVISIONS | |
| NO. | DATE COMMENTS |
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| | |
| | |

Sheet #
M2.0
**MECHANICAL
FIRST FLOOR PLAN**



GENERAL NOTES:

- REFER TO SHEET M1.0-1 & M3.0 FOR DETAILS AND SCHEDULES.
- REFER TO SHEET M2.1 THRU. M2.4 FOR THE SECOND, THIRD AND FOURTH FLOOR PLAN MECHANICAL DRAWING.
- ALL HVAC PENETRATIONS THROUGH THE FIRE RATED CEILING SHALL BE PROTECTED BY CEILING FIRE DAMPERS. DAMPERS SHALL BE CLASSIFIED UNDER UL STANDARD 555C. ALL PENETRATIONS THROUGH FIRE WALLS SHALL BE PROTECTED BY RUSKIN MODEL CF2/CFDR2 CEILING FIRE DAMPER.
- CONTRACTOR TO PROVIDE THE FD/FSD AS REQUIRE WHERE DUCT PENETRATED THRU RATE WALL. SEE ARCHITECTURAL DRAWING FOR RATED WALL LOCATIONS. FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL FSD-37 OR EQUIVALENT. IT IS RATED AS A 1-1/2" HOUR FIRE DAMPER AND A LEAKAGE CLASS I DAMPER.
- REFER THE ARCHITECTURAL PLANS AND ID PLANS FOR THE EXACT THERMOSTAT LOCATION.
- CONNECT FULL LINE SIZE CONDENSATE DRAIN FROM EACH PACKAGED AIR CONDENSING UNIT TO THE CONDENSATE RISER. RUN CONDENSATE DRAIN LINES FROM AIR HANDLING UNITS TO THE NEAREST UTILITY SINK OR MOP SINK, OR HUB DRAIN. PROVIDE A P-TRAP AT EACH DRAIN CONNECTION.
- COMBUSTION AIR SHALL NOT BE OBTAINED FROM A HAZARDOUS LOCATION OR FROM ANY AREA IN WHICH OBJECTIONABLE QUANTITIES OF FLAMMABLE VAPOR, LINT OR DUST ARE RELEASED. COMBUSTION AIR SHALL NOT BE TAKEN FROM A REFRIGERATION MACHINERY ROOM.
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- PROVIDE FIRE CAULKING WHEN THE METAL DUCT PENETRATE THE RATED ASSEMBLY.
- PROVIDE THE SECONDARY DRAIN PANS FOR ALL AHUS THAT ARE HUNG ABOVE THE CEILING.
- PROVIDE ALDES ZONE REGISTER TERMINAL (ZRT-1) AT GUESTROOM EXHAUST INLETS. WITHIN 30 MINUTES WHEN THE GUEST LEAVES THE ROOM, THE PACKAGED TERMINAL AIR CONDITIONER WITH MAKE UP AIR AND ZRT-1 AT THE EXHAUST AIR WILL AUTOMATICALLY SHUT OFF.
- PROVIDE REFRIGERANT PIPES FROM/TO CORRESPONDING CONDENSING UNIT. REFER TO MANUFACTURER FOR INSTRUCTION INSULATION. PROVIDE 1-1/2" AF ARMAFLEX INSULATION AS REQUIRED.
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- NO FIRE DAMPERS NEEDED AT FIRE PARTITION PENETRATIONS IF COMPLY WITH IBC 717.5.4 EXCEPTION #1 AT CORRIDOR WALLS AND EXCEPTION #4 AT NON-CORRIDOR WALLS.
- NO FIRE DAMPERS NEEDED AT FIRE BARRIER PENETRATION IF COMPLY WITH IBC 717.5.2 EXCEPTION #3
- PROVIDE FSD FOR THE SUPPLY/RETURN/EXHAUST AT 2 HOUR RATED PENETRATION FLOOR/CEILING/ROOF/ASSEMBLY AS REQUIRE. REFER TO ARCHITECTURAL PLANS FOR DETAIL.

MECHANICAL
SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

| FIRE RATINGS LEGEND: | |
|----------------------|-----------------------|
| ----- | 1 HOUR FIRE PARTITION |
| ----- | 2 HOUR FIRE BARRIER |

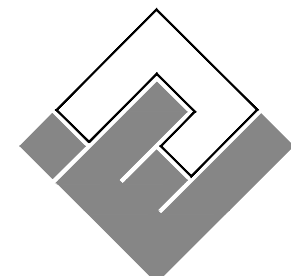
KEY NOTES:

PROVIDE FULL SIZE CONDENSATE PIPE TO THE NEAREST APPROVE SANITARY PLUMBING FIXTURE, FLOOR DRAIN, FLOOR SINK, HUB DRAIN OR STORM DRAIN SYSTEM, FOR FCU FIELD VERIFY AS REQUIRED. CONDENSATE PIPE SHALL BE INSULATED WITH 1" AF ARMAFLEX INSULATION.

NOTES FOR HVAC SYSTEM:

BALANCING AND REPORT HVAC SYSTEM HAS TO BE DONE BY PROFESSIONAL CONSULTANT.

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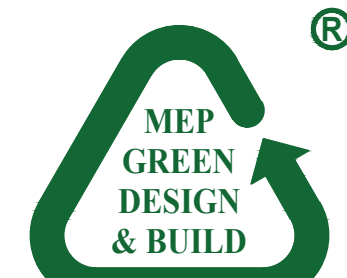


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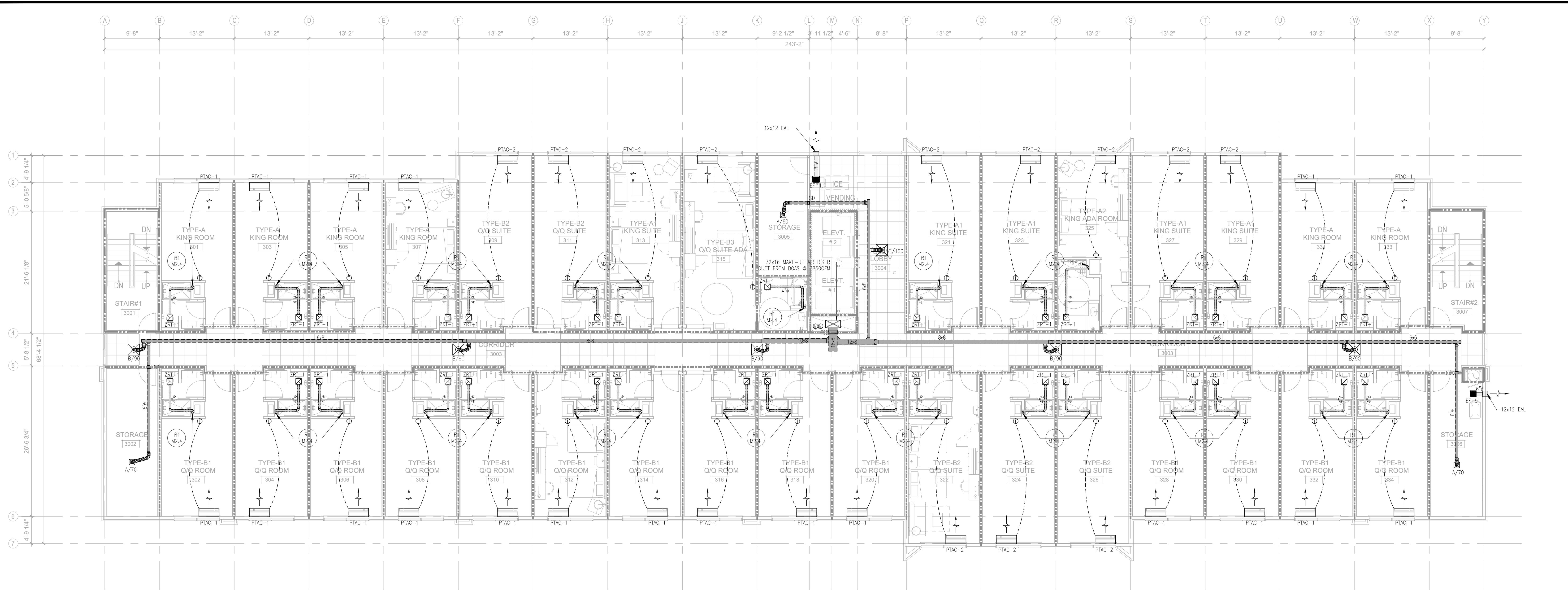
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| Sheet # | M2.1 |
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| MECHANICAL SECOND FLOOR PLAN | |



GENERAL NOTES:

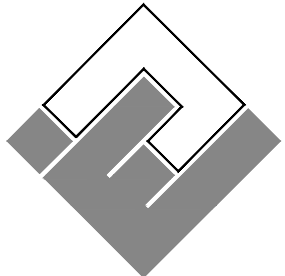
1. REFER TO SHEET M1.0-1 & M3.0 FOR DETAILS AND SCHEDULES.
2. REFER TO SHEET M2.1 THRU. M2.4 FOR THE SECOND, THIRD AND FOURTH FLOOR PLAN MECHANICAL DRAWING.
3. ALL HVAC PENETRATIONS THROUGH THE FIRE RATED CEILING SHALL BE PROTECTED BY CEILING FIRE DAMPERS. DAMPERS SHALL BE CLASSIFIED UNDER UL STANDARD 555C. ALL PENETRATIONS THROUGH FIRE WALLS SHALL BE PROTECTED BY RUSKIN MODEL CF02/CFDR2 CEILING FIRE DAMPER.
4. CONTRACTOR TO PROVIDE THE FD/FSD AS REQUIRE WHERE DUCT PENETRATED THRU RATE WALL, SEE ARCHITECTURAL DRAWING FOR RATED WALL LOCATIONS. FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL FSD-37 OR EQUIVALENT. IT IS RATED AS A 1-1/2" HOUR FIRE DAMPER AND A LEAKAGE CLASS I DAMPER.
5. REFER THE ARCHITECTURAL PLANS AND ID PLANS FOR THE EXACT THERMOSTAT LOCATION.
6. CONNECT FULL LINE SIZE CONDENSATE DRAIN FROM EACH PACKAGED AIR CONDENSING UNIT TO THE CONDENSATE RISER. RUN CONDENSATE DRAIN LINES FROM AIR HANDLING UNITS TO THE NEAREST UTILITY SINK OR MOP SINK, OR HUB DRAIN. PROVIDE A P-TRAP AT EACH DRAIN CONNECTION.
7. COMBUSTION AIR SHALL NOT BE OBTAINED FROM A HAZARDOUS LOCATION OR FROM ANY AREA IN WHICH OBJECTIONABLE QUANTITIES OF FLAMMABLE VAPOR, LINT OR DUST ARE RELEASED. COMBUSTION AIR SHALL NOT BE TAKEN FROM A REFRIGERATION MACHINERY ROOM.
8. PROVIDE UV PROTECTIVE COATING/COVERING ON ALL ELASTOMERIC PIPE INSULATION WHERE EXPOSED TO SUNLIGHT.
9. PROVIDE CEILING ACCESS PANELS FOR ALL CEILING-MOUNTED EQUIPMENT. SEE ARCHITECTURAL DRAWINGS FOR ACCESS PANEL REQUIREMENTS IN PUBLIC AREAS.
10. PROVIDE FIRE CAULKING WHEN THE METAL DUCT PENETRATE THE RATED ASSEMBLY.
11. PROVIDE THE SECONDARY DRAIN PANS FOR ALL AHUs THAT ARE HUNG ABOVE THE CEILING.
12. PROVIDE ALDES ZONE REGISTER TERMINAL (ZRT-1) AT GUESTROOM EXHAUST INLETS. WITHIN 30 MINUTES WHEN THE GUEST LEAVES THE ROOM, THE PACKAGED TERMINAL AIR CONDITIONER WITH MAKE UP AIR AND ZRT-1 AT THE EXHAUST AIR WILL AUTOMATICALLY SHUT OFF.
13. PROVIDE REFRIGERANT PIPES FROM/TO CORRESPONDING CONDENSING UNIT. REFER TO MANUFACTURER FOR INSTRUCTION INSULATION. PROVIDE 1-1/2" AF ARMAFLEX INSULATION AS REQUIRED.
14. PROVIDE THE FSD FOR PENETRATED DUCT WORK THRU RATED FLOOR AND SHAFTS AS REQUIRED. FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL FSD-37 OR EQUAL. IT IS RATED AS A 1-1/2" HOUR FIRE DAMPER AND A LEAKAGE CLASS I DAMPER.
15. PROVIDE CEILING RADIATION DAMPER WHERE THE REGISTER IS INSTALLED ON FIRE RATED CEILING. TYP
16. ALL SUPPLY AND EXHAUST DUCTWORK (26 GA MINIMUM) ON GUEST ROOM LEVELS SHALL BE HARD PIPED. NO FLEXIBLE DUCTWORK ALLOWED FOR FIRE DAMPER EXCEPTION IN IBC 717.5.2 EXCEPTION #3 (FIRE BARRIERS) AND IBC 717.5.4 EXCEPTION #4 (FIRE PARTITIONS).
17. NO FIRE DAMPERS NEEDED AT FIRE PARTITION PENETRATIONS IF COMPLY WITH IBC 717.5.4 EXCEPTION #1 AT CORRIDOR WALLS AND EXCEPTION #4 AT NON-CORRIDOR WALLS.
18. NO FIRE DAMPERS NEEDED AT FIRE BARRIER PENETRATION IF COMPLY WITH IBC 717.5.2 EXCEPTION #3
19. PROVIDE FSD FOR THE SUPPLY/RETURN/EXHAUST AT 2 HOUR RATED PENETRATION FLOOR/CEILING/ROOF/ASSEMBLY AS REQUIRE. REFER TO ARCHITECTURAL PLANS FOR DETAIL.

MECHANICAL
THIRD FLOOR PLAN
SCALE: 1/8"=1'-0"

| FIRE RATINGS LEGEND: | |
|----------------------|-----------------------|
| ----- | 1 HOUR FIRE PARTITION |
| ----- | 2 HOUR FIRE BARRIER |

NOTES FOR HVAC SYSTEM:
BALANCING AND REPORT HVAC
SYSTEM HAS TO BE DONE BY
PROFESSIONAL CONSULTANT.

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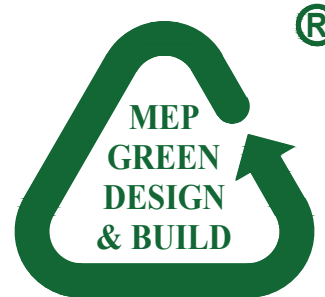


KINETIC DRIVE
HUNTINGTON WV

LOCATION NUMBER: HTKSD L91929

A DEVELOPMENT BY
DR. VISHNU PATEL

JUNE 09, 2025



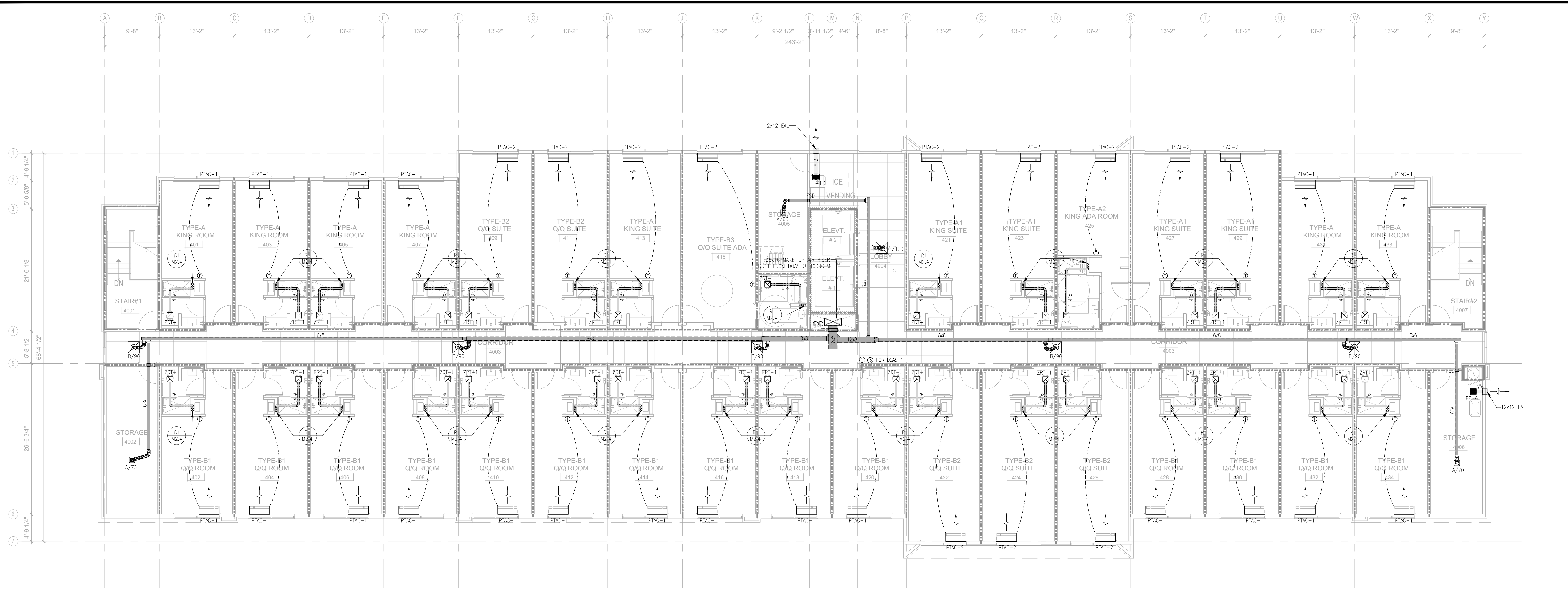
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Sheet #

M2.2

MECHANICAL
THIRD FLOOR PLAN



GENERAL NOTES:

- REFER TO SHEET M1.0-1 & M3.0 FOR DETAILS AND SCHEDULES.
- REFER TO SHEET M2.1 THRU. M2.4 FOR THE SECOND, THIRD AND FOURTH FLOOR PLAN MECHANICAL DRAWING.
- ALL HVAC PENETRATIONS THROUGH THE FIRE RATED CEILING SHALL BE PROTECTED BY CEILING FIRE DAMPERS. DAMPERS SHALL BE CLASSIFIED UNDER UL STANDARD 555C. ALL PENETRATIONS THROUGH FIRE WALLS SHALL BE PROTECTED BY RUSKIN MODEL CF02/CFDR2 CEILING FIRE DAMPER.
- CONTRACTOR TO PROVIDE THE FD/FSD AS REQUIRE WHERE DUCT PENETRATED THRU RATE WALL. SEE ARCHITECTURAL DRAWING FOR RATED WALL LOCATIONS. FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL FSD-37 OR EQUIVALENT. IT IS RATED AS A 1-1/2" HOUR FIRE DAMPER AND A LEAKAGE CLASS I DAMPER.
- REFER THE ARCHITECTURAL PLANS AND ID PLANS FOR THE EXACT THERMOSTAT LOCATION.
- CONNECT FULL LINE SIZE CONDENSATE DRAIN FROM EACH PACKAGED AIR CONDENSING UNIT TO THE CONDENSATE RISER. RUN CONDENSATE DRAIN LINES FROM AIR HANDLING UNITS TO THE NEAREST UTILITY SINK OR MOP SINK, OR HUB DRAIN. PROVIDE A P-TRAP AT EACH DRAIN CONNECTION.
- COMBUSTION AIR SHALL NOT BE OBTAINED FROM A HAZARDOUS LOCATION OR FROM ANY AREA IN WHICH OBJECTIONABLE QUANTITIES OF FLAMMABLE VAPOR, LINT OR DUST ARE RELEASED. COMBUSTION AIR SHALL NOT BE TAKEN FROM A REFRIGERATION MACHINERY ROOM.
- PROVIDE UV PROTECTIVE COATING/COVERING ON ALL ELASTOMERIC PIPE INSULATION WHERE EXPOSED TO SUNLIGHT.
- PROVIDE CEILING ACCESS PANELS FOR ALL CEILING-MOUNTED EQUIPMENT. SEE ARCHITECTURAL DRAWINGS FOR ACCESS PANEL REQUIREMENTS IN PUBLIC AREAS.
- PROVIDE FIRE CAULKING WHEN THE METAL DUCT PENETRATE THE RATED ASSEMBLY.
- PROVIDE THE SECONDARY DRAIN PANS FOR ALL AHUS THAT ARE HUNG ABOVE THE CEILING.
- PROVIDE ALDES ZONE REGISTER TERMINAL (ZRT-1) AT GUESTROOM EXHAUST INLETS. WITHIN 30 MINUTES WHEN THE GUEST LEAVES THE ROOM, THE PACKAGED TERMINAL AIR CONDITIONER WITH MAKE UP AIR AND ZRT-1 AT THE EXHAUST AIR WILL AUTOMATICALLY SHUT OFF.
- PROVIDE REFRIGERANT PIPES FROM/TO CORRESPONDING CONDENSING UNIT. REFER TO MANUFACTURER FOR INSTRUCTION INSULATION. PROVIDE 1-1/2" AF ARMAFLEX INSULATION AS REQUIRED.
- PROVIDE THE FSD FOR PENETRATED DUCT WORK THRU RATED FLOOR AND SHAFTS AS REQUIRED. FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL FSD-37 OR EQUAL. IT IS RATED AS A 1-1/2" HOUR FIRE DAMPER AND A LEAKAGE CLASS I DAMPER.
- PROVIDE CEILING RADIATION DAMPER WHERE THE REGISTER IS INSTALLED ON FIRE RATED CEILING. TYP
- ALL SUPPLY AND EXHAUST DUCTWORK (26 GA MINIMUM) ON GUEST ROOM LEVELS SHALL BE HARD PIPED. NO FLEXIBLE DUCTWORK ALLOWED FOR FIRE DAMPER EXCEPTION IN IBC 717.5.2 EXCEPTION #3 (FIRE BARRIERS) AND IBC 717.5.4 EXCEPTION #4 (FIRE PARTITIONS).
- NO FIRE DAMPERS NEEDED AT FIRE PARTITION PENETRATIONS IF COMPLY WITH IBC 717.5.4 EXCEPTION #1 AT CORRIDOR WALLS AND EXCEPTION #4 AT NON-CORRIDOR WALLS.
- NO FIRE DAMPERS NEEDED AT FIRE BARRIER PENETRATION IF COMPLY WITH IBC 717.5.2 EXCEPTION #3
- PROVIDE FSD FOR THE SUPPLY/RETURN/EXHAUST AT 2 HOUR RATED PENETRATION FLOOR/CEILING/ROOF/ASSEMBLY AS REQUIRE. REFER TO ARCHITECTURAL PLANS FOR DETAIL.

MECHANICAL
FOURTH FLOOR PLAN
SCALE: 1/8"=1'-0"

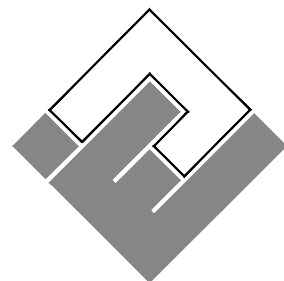
KEY NOTES:

- PROVIDE WALL MOUNTED T-STAT SENSOR AND WIRING BACK TO THE CORRESPONDING T-STAT CONTROLLER IN CHECK-IN AREA.

| FIRE RATINGS LEGEND: | |
|----------------------|-----------------------|
| ----- | 1 HOUR FIRE PARTITION |
| ----- | 2 HOUR FIRE BARRIER |

NOTES FOR HVAC SYSTEM:
BALANCING AND REPORT HVAC
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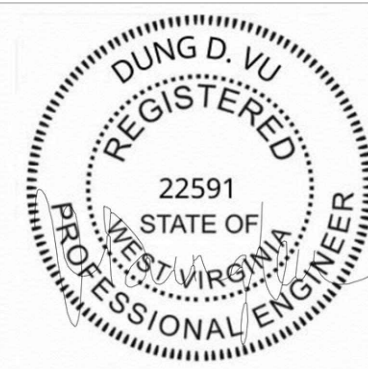


KINETIC DRIVE
HUNTINGTON WV

LOCATION NUMBER: HTKSD L91929

A DEVELOPMENT BY
DR. VISHNU PATEL

JUNE 09, 2025

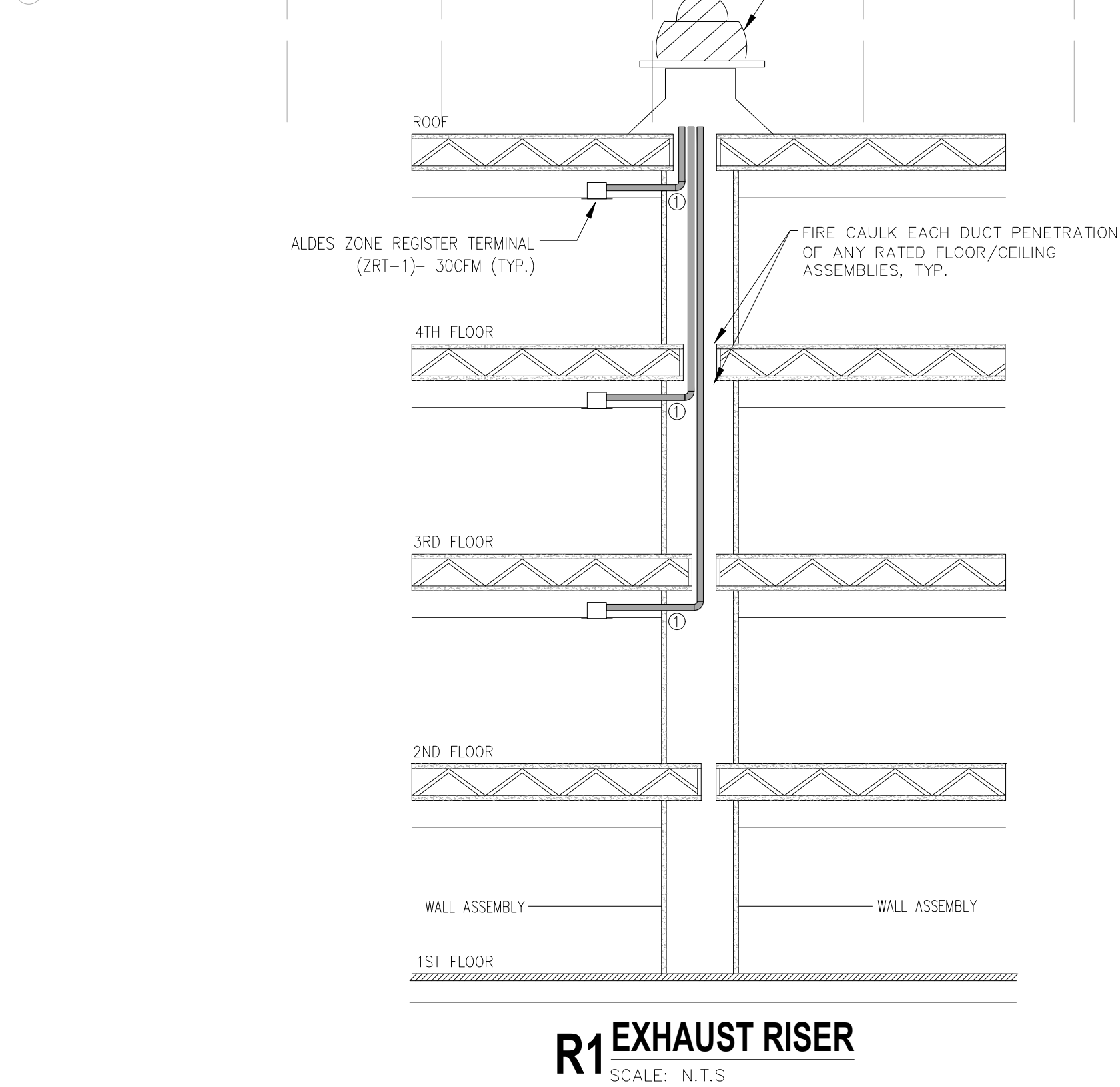
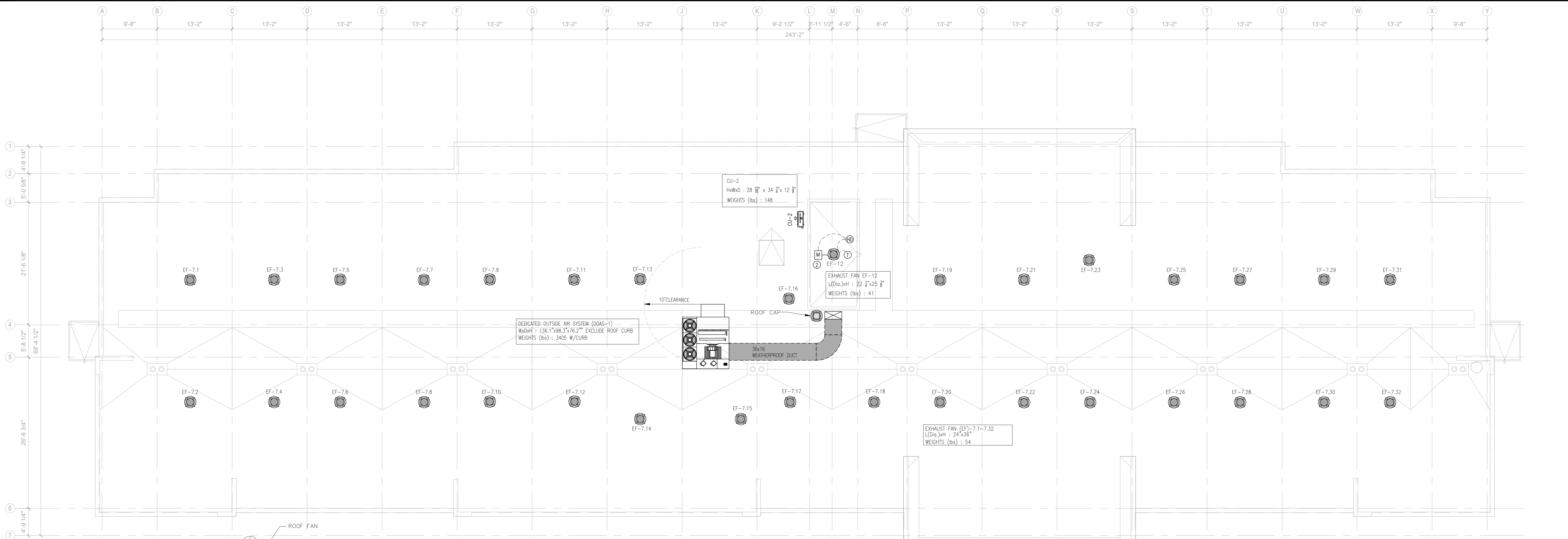


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M2.3

MECHANICAL
FOURTH FLOOR PLAN



GENERAL NOTES

- ALL ROOF MOUNTED HVAC EQUIPMENT, INCLUDING BUT NOT LIMITED TO EXHAUST FANS, CONDENSING UNITS, AND ROOF-TOP UNITS, SHALL BE A MINIMUM OF 10' FROM THE ROOF'S EDGE, OR PARAPET, UNLESS OTHERWISE NOTED ON PLANS. IN SUCH CASE, CONTRACTOR SHALL COORDINATE WITH ARCHITECT TO PROVIDE SAFETY HANDRAILS AROUND ROOF MOUNTED HVAC EQUIPMENT THAT IS LOCATED LESS THAN 10' FROM ROOF'S EDGE, OR PARAPET.
- ALL EXPOSED DUCT WORK ON ROOF SHALL BE INSULATED WITH MINIMUM R-12 INSULATION. PROVIDE WEATHER HOOD/ ALUMINUM HOUSE JACKETING AS REQUIRED.
- PROVIDE TRANSITION AS REQUIRED TO CONNECT THE EXHAUST DUCT TO THE ROOF FAN ON THE ROOF. FIELD VERIFY EXACT LOCATION AT SITE.
- PROVIDE THE FSD AT THE RATED ROOF/CEILING ASSEMBLY FROM MAU AS REQUIRED. FIELD VERIFY AT FIELD.

NOTES (TOILET EXHAUST RISER):

- MC SECTION 607.6.1 THROUGH PENETRATIONS IN OCCUPANCIES OTHER THAN GROUPS 1-2 AND 1-3, A DUCT CONSTRUCTED OF APPROVED MATERIALS IN ACCORDANCE WITH SECTION 603 THAT PENETRATES A FIRE-RESISTANCE-RATED FLOOR/CEILING ASSEMBLY THAT CONNECTS NOT MORE THAN TWO STORIES IS PERMITTED WITHOUT SHAFT ENCLOSURE PROTECTION PROVIDED THAT A LISTED FIRE DAMPER IS INSTALLED AT THE FLOOR LINE OR THE DUCT IS PROTECTED IN ACCORDANCE WITH SECTION 714.4 OF THE IBC. EXCEPTIONS TO THIS CODE ARE AS FOLLOWS:
DUCT IS PERMITTED TO PENETRATE THREE FLOORS OR LESS WITHOUT A FIRE DAMPER AT EACH FLOOR PROVIDED IT MEETS ALL OF THE FOLLOWING REQUIREMENTS:
A) THE DUCT SHALL BE CONTAINED AND LOCATED WITHIN THE CAVITY OF A WALL AND SHALL BE CONSTRUCTED OF STEEL NOT LESS THAN 0.019 INCH (26 GAGE) IN THICKNESS.
B) THE DUCT SHALL OPEN INTO ONLY ONE DWELLING UNIT OR SLEEPING UNIT AND THE DUCT SYSTEM SHALL BE CONTINUOUS FROM THE UNIT TO THE EXTERIOR OF THE BUILDING.
C) THE DUCT SHALL NOT EXCEED 4-INCH NOMINAL DIAMETER AND THE TOTAL AREA OF SUCH DUCTS SHALL NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF THE FLOOR AREA.
D) THE ANNULAR SPACE AROUND THE DUCT IS PROTECTED WITH MATERIALS THAT PREVENT THE PASSAGE OF FLAME AND HOT GASES SUFFICIENT TO IGNITE COTTON WASTE WHEN SUBJECTED TO ASTM E-119 OR UL-263 TIME-TEMPERATURE CONDITIONS UNDER A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA) OF WATER AT THE LOCATION OF THE PENETRATION FOR THE TIME PERIOD EQUIVALENT TO THE FIRE-RESISTANCE RATING OF THE CONSTRUCTION PENETRATED.
E) GRILLE OPENINGS LOCATED IN A CEILING OF A FIRE-RESISTANCE-RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY SHALL BE PROTECTED WITH A LISTED CEILING RADIATION DAMPER INSTALLED IN ACCORDANCE WITH SECTION 607.6.2. IF CEILING IS NOT RATED, CRD WILL NOT BE REQUIRED.
- SMOKE DAMPERS ARE NOT REQUIRED TO BE INSTALLED IN THIS APPLICATION.
- SEE FLOOR PLANS FOR ROUTING. COORDINATE EXACT LOCATIONS OF DUCTWORK IN WALLS WITH PLUMBING PIPING AND STRUCTURE.
- PROVIDE TRANSITION AS NECESSARY TO CONNECT DUCT WORK TO EXHAUST FAN ON ROOF. FIELD VERIFY EXACT LOCATION AT SITE.

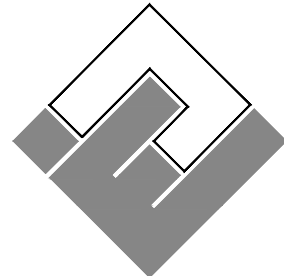
KEY NOTES:

- THE CONTRACTOR MUST PROTECT THE ANNULAR SPACE AROUND THE DUCT WITH MATERIALS THAT PREVENT THE PASSAGE OF FLAME AND HOT GASES SUFFICIENT TO IGNITE COTTON WASTE WHEN SUBJECTED TO ASTM E-119 OR UL-263 TIME-TEMPERATURE CONDITIONS UNDER A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA) OF WATER AT THE LOCATION OF THE PENETRATION FOR THE TIME PERIOD EQUIVALENT TO THE FIRE-RESISTANCE RATING OF THE CONSTRUCTION PENETRATED.
- INTERLOCKED HEAT DETECTOR AND ELEVATOR LOBBY SMOKE DETECTORS WITH MOTORIZED DAMPER TO CLOSE, AND SHUT OFF THE FAN UPON ACTIVATION OF ANY OF THESE DEVICES.

MECHANICAL
ROOF PLAN
SCALE: 1/8"=1'-0"

NOTES FOR HVAC SYSTEM:
BALANCING AND REPORT HVAC
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KINETIC DRIVE
HUNTINGTON WV

LOCATION NUMBER: HTKSD L91929

A DEVELOPMENT BY
DR. VISHNU PATEL

JUNE 09, 2025



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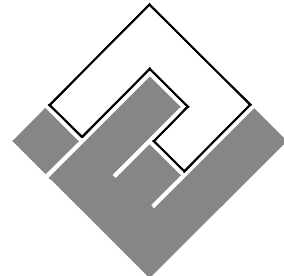
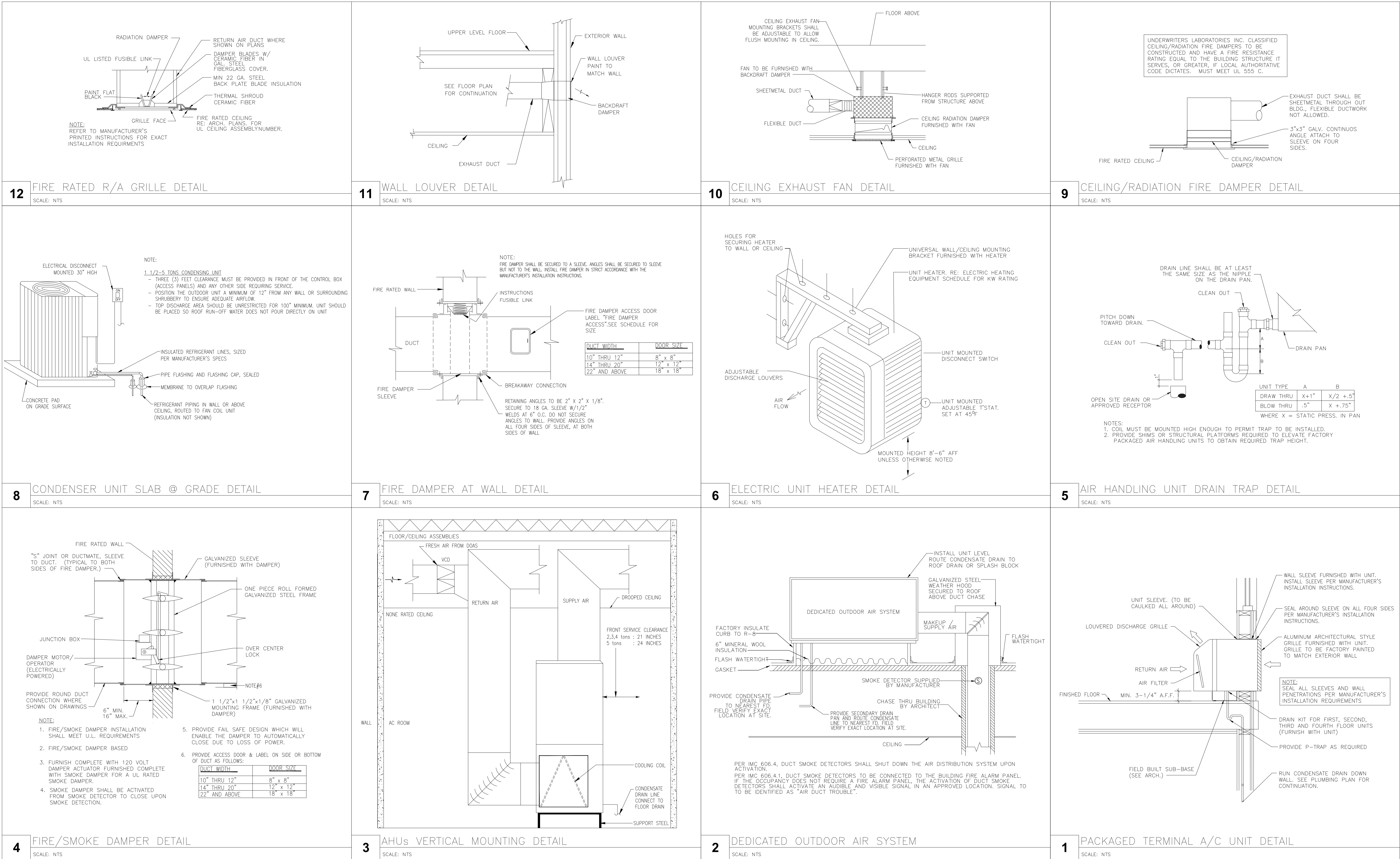
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MECHANICAL
ROOF PLAN



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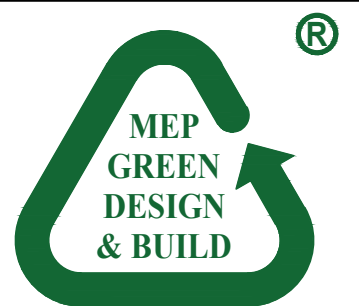
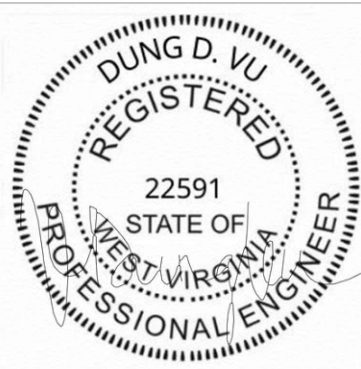


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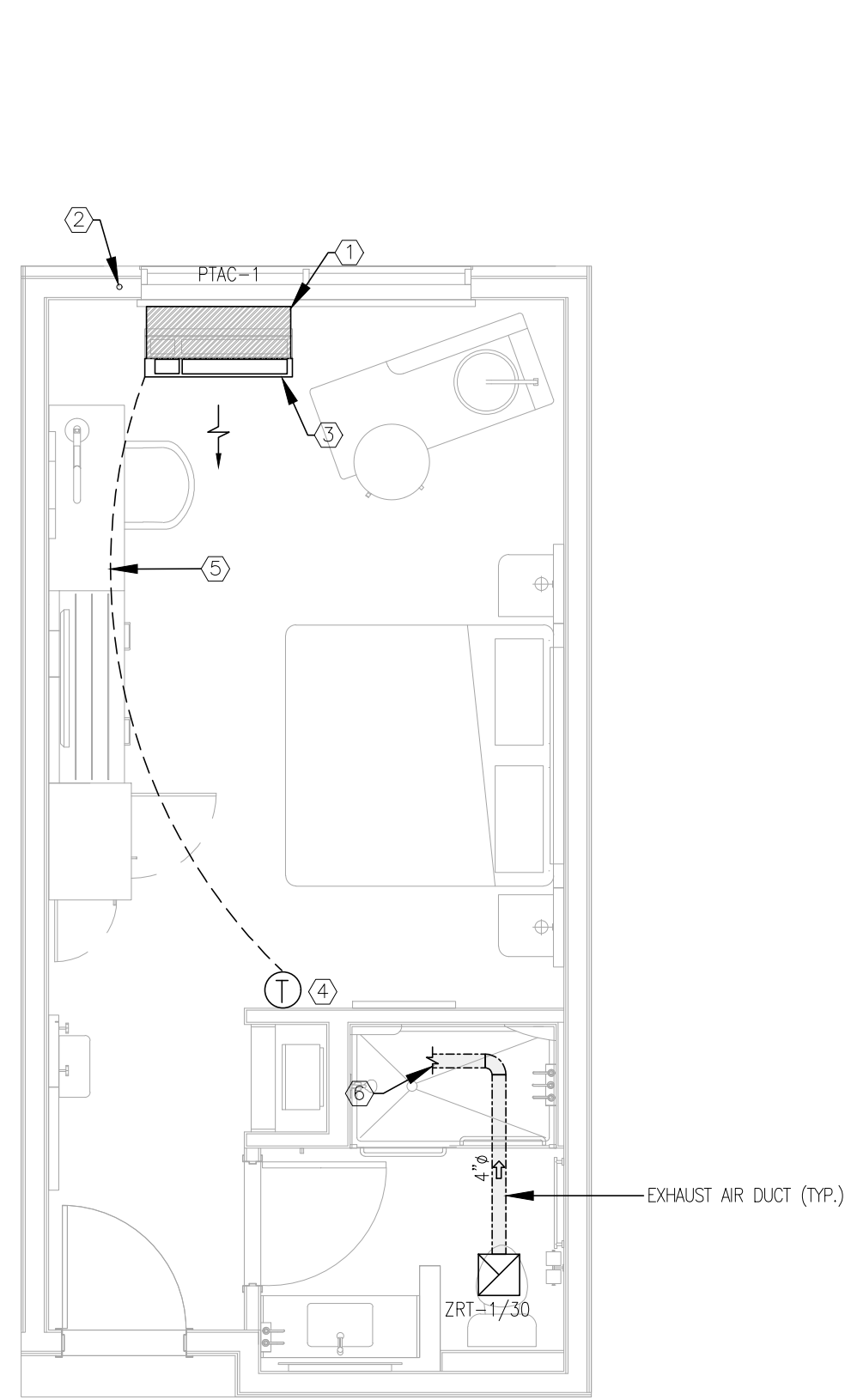
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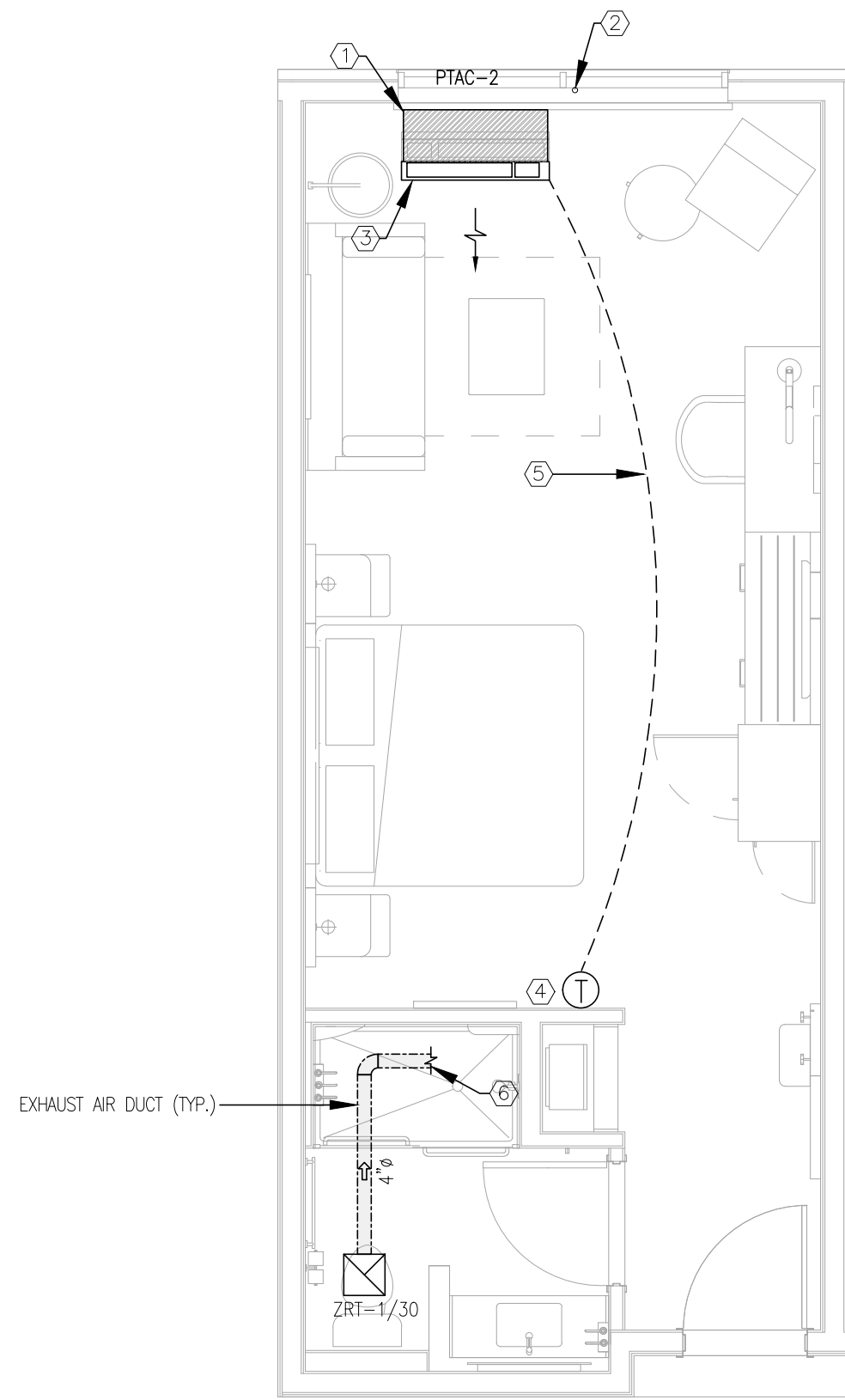
M3.0

MECHANICAL
INSTALLATION DETAILS

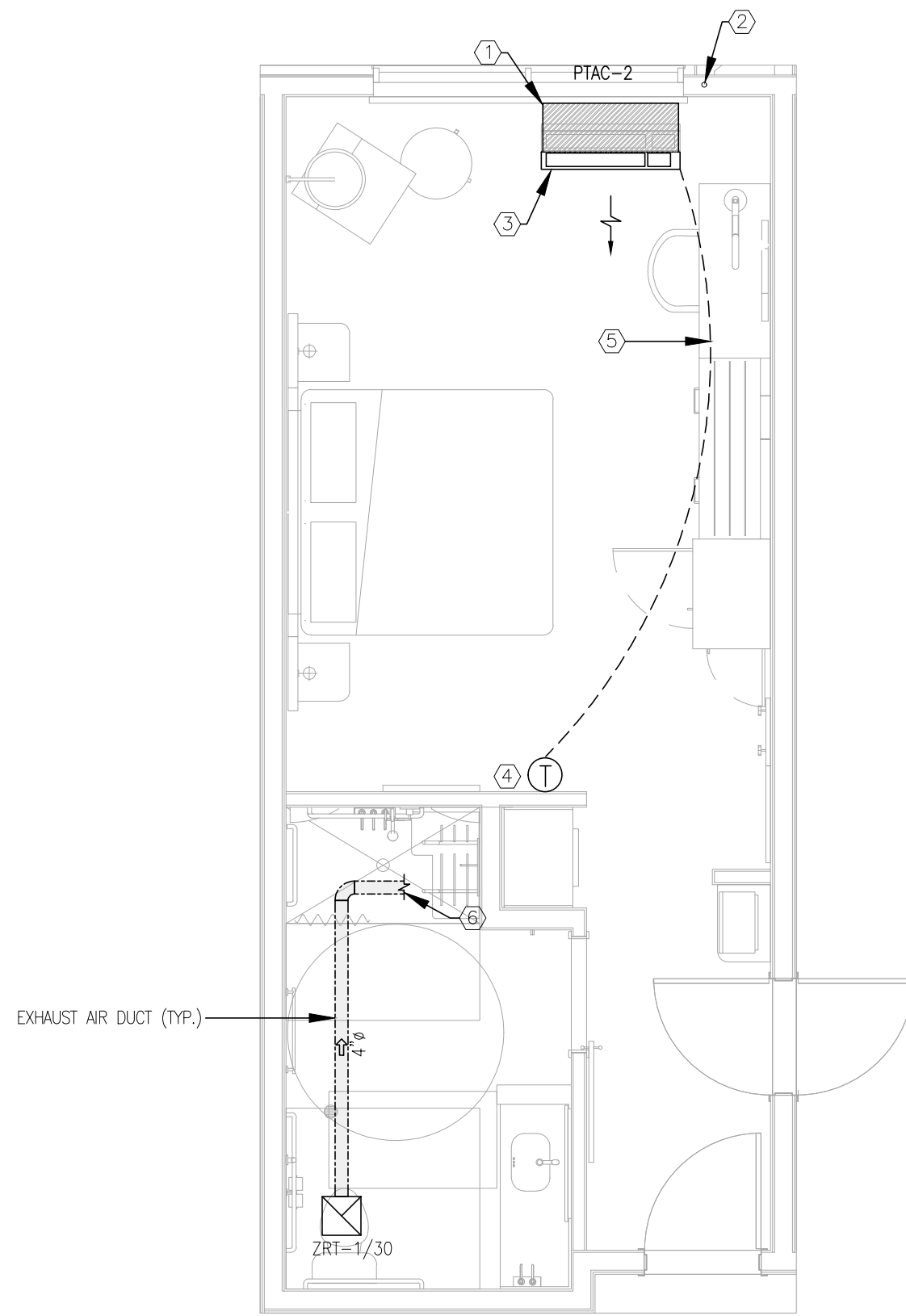
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1 TYPE A
KING ROOM/KING H.I.
SCALE: 1/4"=1'-0"



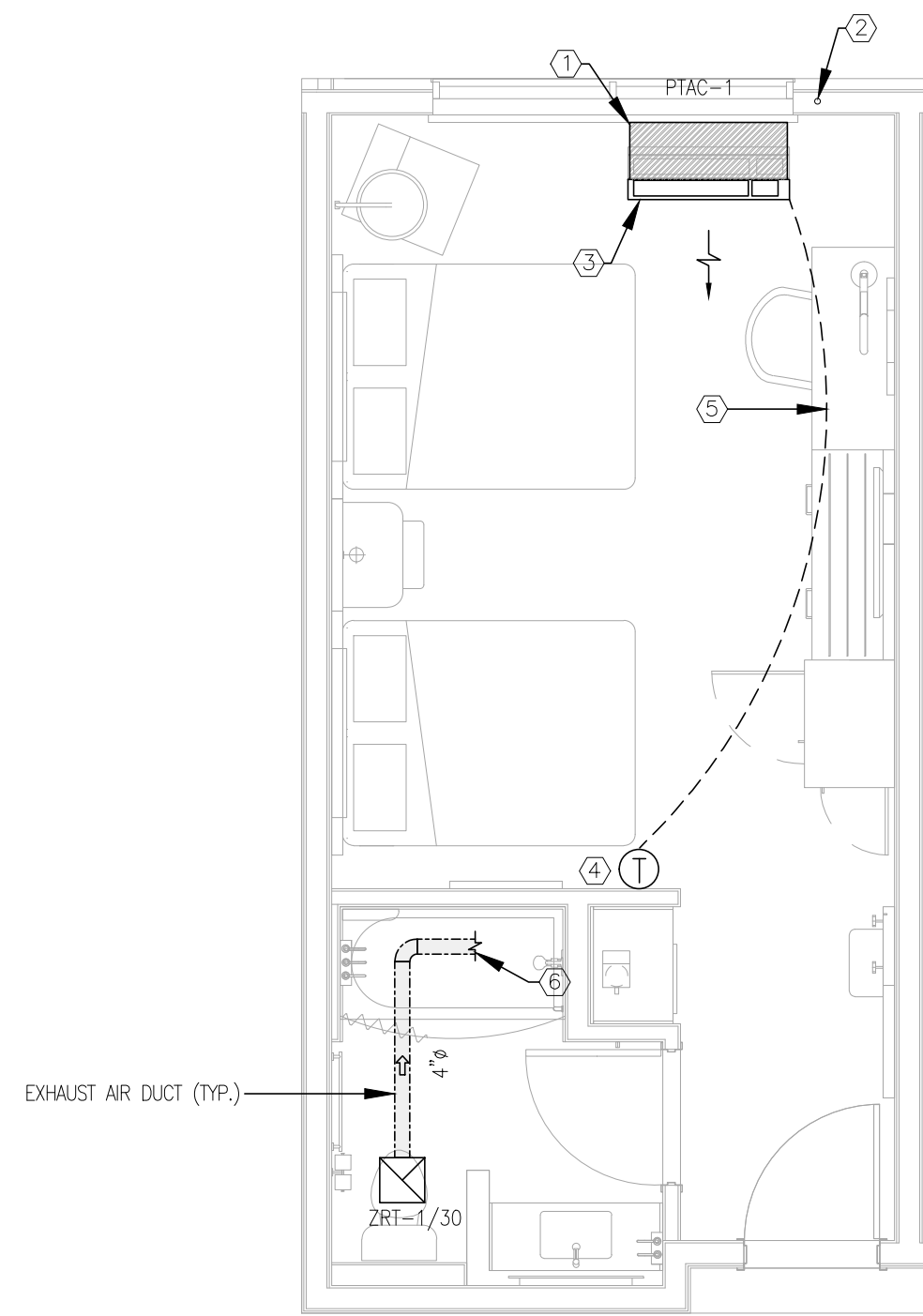
2 TYPE A1
KING SUITE/KS H.I.
SCALE: 1/4"=1'-0"



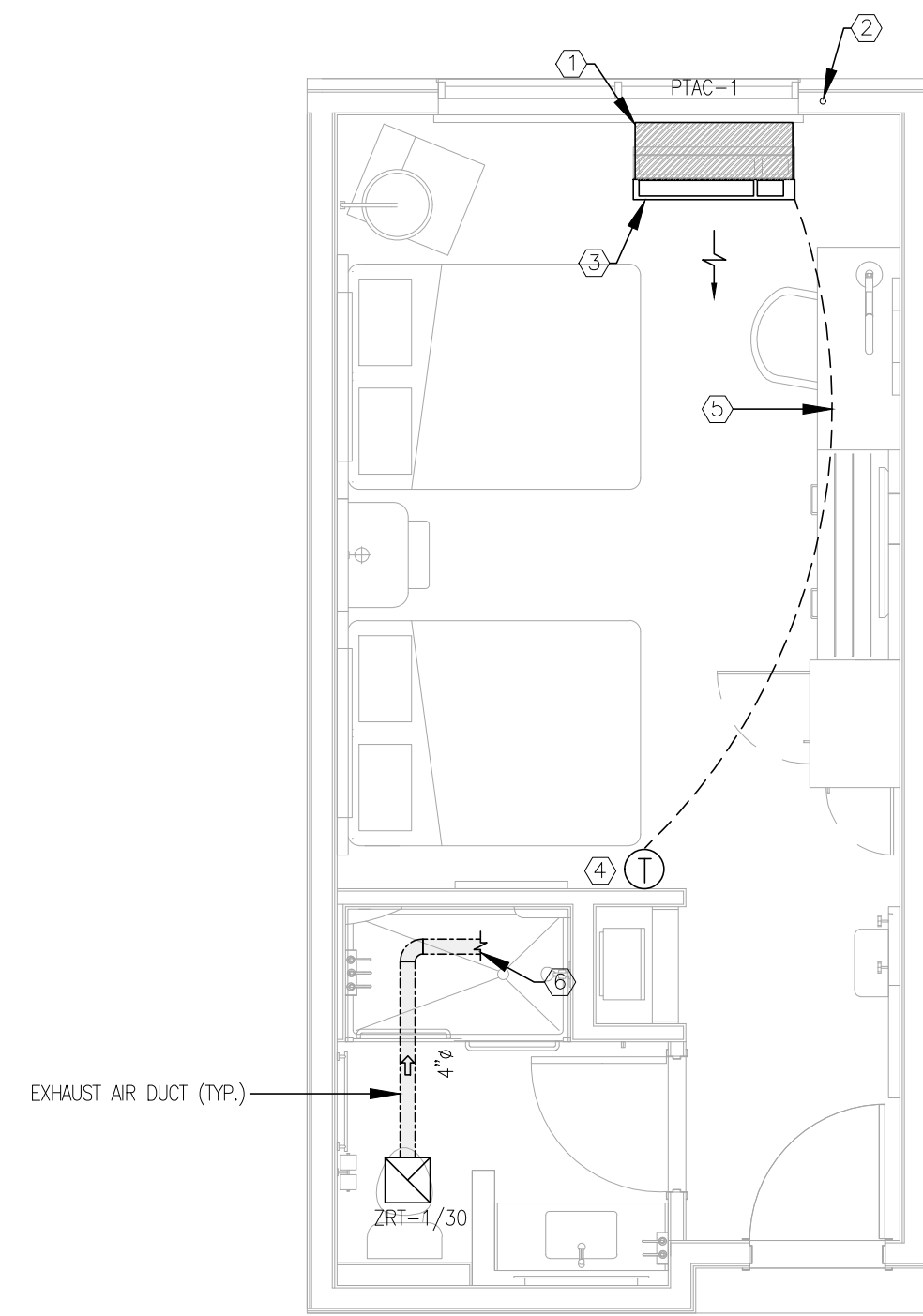
3 TYPE A2
KING ADA ROOM (ROLL-IN)
SCALE: 1/4"=1'-0"

NOTES:

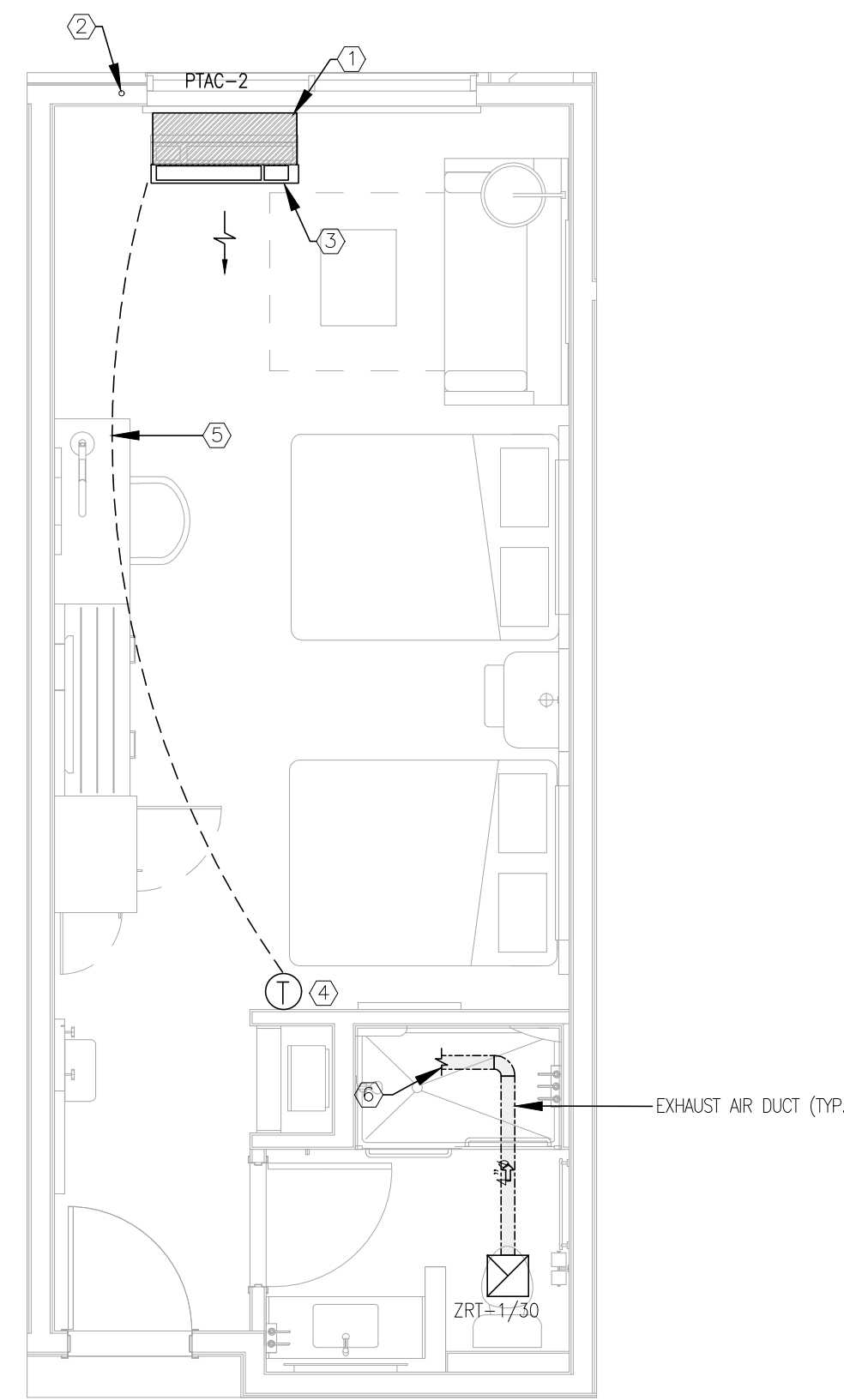
1. ARCHITECTURAL WALL GRILLE FURNISHED WITH UNIT. GRILLE PAINTED TO MATCH EXTERIOR WALL (TYPICAL FOR ALL PTAC UNITS).
2. SEE PLUMBING DRAWINGS FOR CONDENSATE DRAIN PIPING (TYPICAL FOR ALL PTAC UNITS).
3. PACKAGED TERMINAL A/C UNIT (PTAC). SEE DETAIL ON M3.0 FOR INSTALLATION DETAIL.
4. THE THERMOSTAT SHALL BE MOUNTED AT 48" AFF IN ALL ADA/ACCESSIBLE GUESTROOM AND 54" AFF IN ALL NON-ACCESSIBLE GUESTROOM AND VERIFY EXACT LOCATION WITH OWNER/ARCH.
5. THERMOSTAT CONTROL CONDUIT AND CONTROL WIRING.
6. METAL EXHAUST DUCT ABOVE CEILING. SEE MECHANICAL FLOOR PLAN FOR CONTINUATION.
7. METAL MAKE UP AIR DUCT ABOVE CEILING. SEE MECHANICAL FLOOR PLAN FOR CONTINUATION.



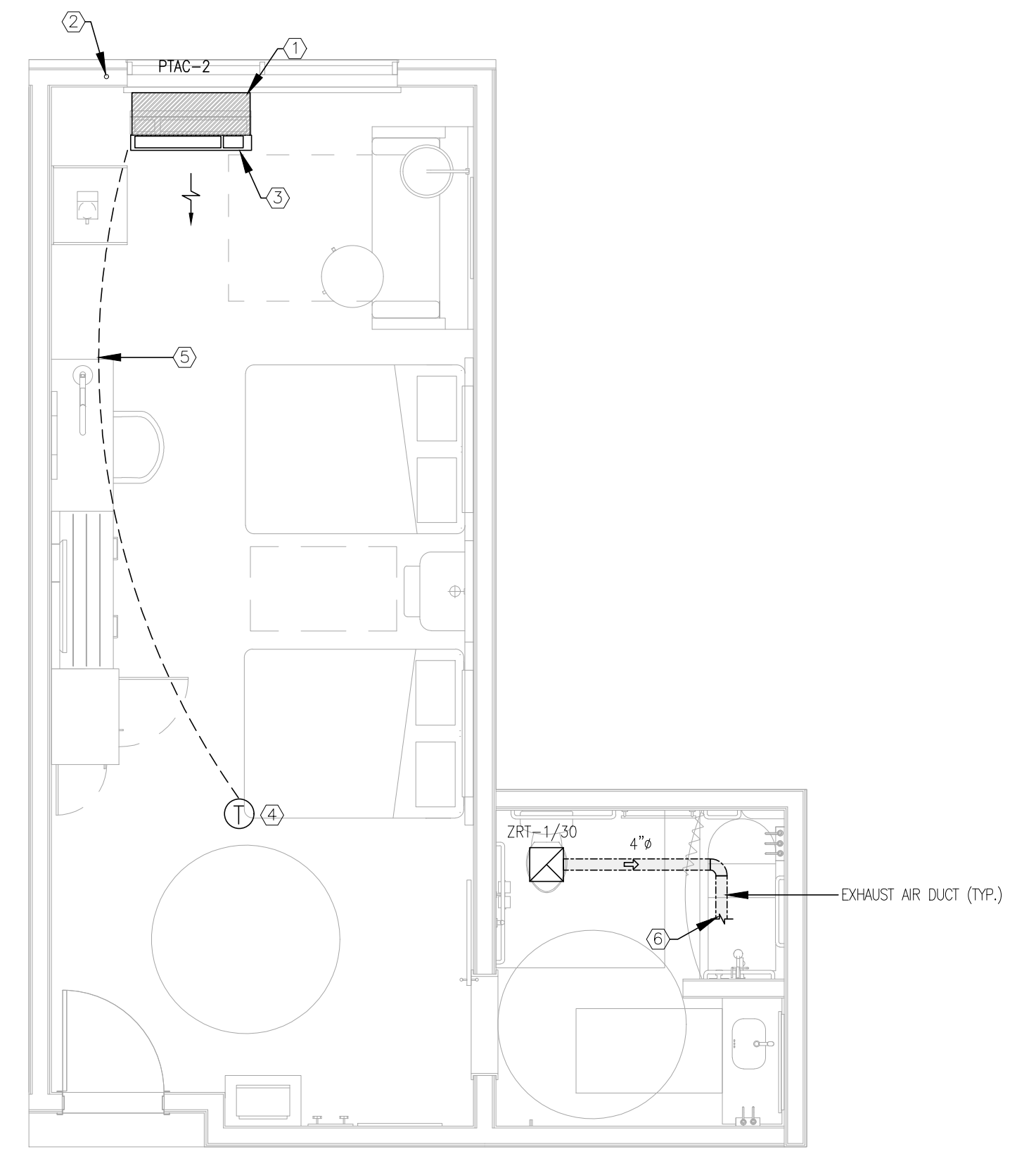
4 TYPE B
QQ ROOM (TUB)/QQ (TUB) H.I.
SCALE: 1/4"=1'-0"



5 TYPE B1
QQ ROOM (ROLL-IN)/QQ (ROLL-IN) H.I.
SCALE: 1/4"=1'-0"

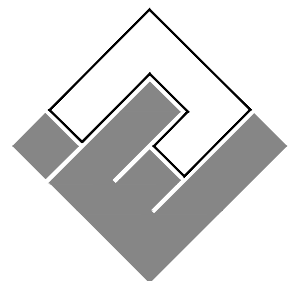


6 TYPE B2
QQ SUITE/QQS H.I.
SCALE: 1/4"=1'-0"



7 TYPE B3
QQ SUITE ADA (TUB)
SCALE: 1/4"=1'-0"

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JUNE 09, 2025




Date: JUNE 09, 2025

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Sheet #

M4.0

MECHANICAL
TYPICAL GUESTROOM PLAN



COMcheck Software Version 4.1.1.0

Mechanical Compliance Certificate

Project Information

Energy Code: 2018 IECC

Project Title: Holiday Huntington WV

Location: Huntington, West Virginia

Climate Zone: 4a

Project Type: New Construction

Construction Site: Huntington, WV

Owner/Agent:

Designer/Contractor: DUNG VU, Ph.D, P.E, LEED AP
MEP Green Designs & Build PLLC
911 Gemini St.
Houston, TX 77058
281-786-1195

Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Mechanical Systems List

| Quantity | System Type & Description |
|----------|--|
| 2 | AHU-1.1, 1.7 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 42 kBtu/h, Proposed Efficiency = 10.70 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 41 kBtu/h, Proposed Efficiency = 18.50 SEER, Required Efficiency: 14.00 SEER Fan System: None |
| 3 | AHU-1.2, 1.3, 1.5 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 26 kBtu/h, Proposed Efficiency = 10.90 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 28 kBtu/h, Proposed Efficiency = 17.60 SEER, Required Efficiency: 14.00 SEER Fan System: None |
| 2 | AHU-1.4, 1.8 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 54 kBtu/h, Proposed Efficiency = 10.90 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 53 kBtu/h, Proposed Efficiency = 17.60 SEER, Required Efficiency: 14.00 SEER Fan System: None |
| 70 | PTAC-1 (Single Zone): Packaged Terminal Heat Pump Heating Mode: Capacity = 8 kBtu/h, Proposed Efficiency = 3.90 COP, Required Efficiency = 2.94 COP Cooling Mode: Capacity = 10 kBtu/h, Proposed Efficiency = 12.40 EER, Required Efficiency: 11.00 EER Fan System: None |
| 37 | PTAC-2 (Single Zone): Packaged Terminal Heat Pump Heating Mode: Capacity = 10 kBtu/h, Proposed Efficiency = 3.80 COP, Required Efficiency = 2.89 COP Cooling Mode: Capacity = 12 kBtu/h, |

Project Title: Holiday Huntington WV

Report date: 06/09/25

Page 1 of 2

Quantity

System Type & Description

Proposed Efficiency = 11.60 EER, Required Efficiency: 10.40 EER
Fan System: None

1 FCU-1 (Single Zone):
Cooling: 1 each - Split System, Capacity = 22 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception: None
Proposed Efficiency = 20.00 SEER, Required Efficiency: 13.00 SEER
Fan System: None

1 FCU-2 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 24 kBtu/h,
Proposed Efficiency = 12.00 HSPF, Required Efficiency = 8.20 HSPF
Cooling Mode: Capacity = 22 kBtu/h,
Proposed Efficiency = 24.00 SEER, Required Efficiency: 14.00 SEER
Fan System: None

1 DOAS-1 (Single Zone):
Heating: 1 each - Central Furnace, Gas, Capacity = 405 kBtu/h
Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et
Cooling: 1 each - Single Package DX Unit, Capacity = 358 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 9.80 EER, Required Efficiency: 9.80 EER + 11.4 IEER
Fan System: None

2 EUH (Single Zone):
Heating: 1 each - Unit Heater, Electric, Capacity = 17 kBtu/h
No minimum efficiency requirement applies
Fan System: None

3 Water Heater 1,2,3:
Gas Storage Water Heater, Capacity: 100 gallons, Input Rating: 199 kBtu/h w/ Circulation Pump
Proposed Efficiency: 97.00 % Et, Required Efficiency: 80.00 % Et

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

DUNG DUC VU, Ph.D, P.E, LEED AP

Signature

Date 06/09/2025

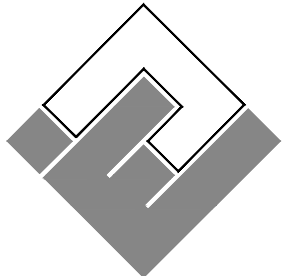
Project Title: Holiday Huntington WV

Report date: 06/09/25

Page 2 of 2

MECHANICAL
COMCHECK REPORT
SCALE: N.T.S

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GLEN ALLEN, VA 23059
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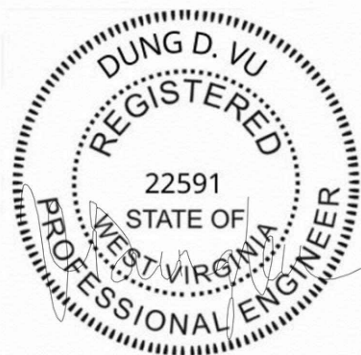


KINETIC DRIVE
HUNTINGTON WV

LOCATION NUMBER: HTKSD L91929

A DEVELOPMENT BY
DR. VISHNU PATEL

JUNE 09, 2025



Date: JUNE 09, 2025

REVISIONS

| NO. | DATE | COMMENTS |
|-----|------|----------|
|-----|------|----------|

Sheet #

M5.0

MECHANICAL
COMCHECK REPORT

Project Name: Holiday Huntington WV
Dataset Name: HOLIDAY HUNTINGTON WV-AHU.TRC

Project Name: Holiday Huntington WV
Dataset Name: HOLIDAY HUNTINGTON WV-AHU.TRC

TRACE® 700 v6.2.5 calculated at 04:19 PM on 05/29/2025
Alternative - 1 System Checksums Report Page 2 of 7

Project Name: Holiday Huntington WV
Dataset Name: HOLIDAY HUNTINGTON WV-AHU.TRC

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Dataset Name: HOLIDAY HUNTINGTON WV-AHU.TRC

TRACE® 700 v6.2.5 calculated at 04:19 PM on 05/29/2025
Alternative - 1 System Checksums Report Page 4 of 7

Project Name: Holiday Huntington WV
Dataset Name: HOLIDAY HUNTINGTON WV-AHU.TRC

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Re: Planning Commission Review (Kinetic Park) - Request for Comment

From Kenzie Roland <RolandK@Huntingtonwv.gov>

Date Wed 12/17/2025 1:15 PM

To Zachariah A Smith <zasmith1@aep.com>; michaelplymale@mgcwv.com <michaelplymale@mgcwv.com>; andrewbays@mgcwv.com <andrewbays@mgcwv.com>; Mark Bates <BatesM@Huntingtonwv.gov>; Sherry Wilkins <sherry.wilkins@huntingtonswu.com>; wleek@huntingtonsb.com <wleek@huntingtonsb.com>; Henry.Perkins@amwater.com <henry.perkins@amwater.com>; jessica.barton@chhdwv.gov <jessica.barton@chhdwv.gov>

Cc Zane Parsley <ParsleyZ@Huntingtonwv.gov>; Steven Curry <CurryS2@Huntingtonwv.gov>

We understand with the holiday season. As long as comments/review can be provided before 2 PM on January 5th, we should have enough time to edit on our end before the hearing.

Kenzie Roland
City of Huntington
T: 304.696.5540 x2095

From: Zachariah A Smith <zasmith1@aep.com>

Sent: Wednesday, December 17, 2025 12:02 PM

To: Kenzie Roland <RolandK@Huntingtonwv.gov>; michaelplymale@mgcwv.com <michaelplymale@mgcwv.com>; andrewbays@mgcwv.com <andrewbays@mgcwv.com>; Mark Bates <BatesM@Huntingtonwv.gov>; Sherry Wilkins <sherry.wilkins@huntingtonswu.com>; wleek@huntingtonsb.com <wleek@huntingtonsb.com>; Henry.Perkins@amwater.com <henry.perkins@amwater.com>; jessica.barton@chhdwv.gov <jessica.barton@chhdwv.gov>

Cc: Zane Parsley <ParsleyZ@Huntingtonwv.gov>; Steven Curry <CurryS2@Huntingtonwv.gov>

Subject: RE: Planning Commission Review (Kinetic Park) - Request for Comment

****EXTERNAL SENDER** This email is not from an official City of Huntington email account. Please take caution when opening links or attachments from this email. Please forward this to spam@huntingtonwv.gov if you believe this email is suspicious.**

Good afternoon, Kenzie, Jeff Ferry is our Tech in the Huntington area that reviews the preliminary plans. He is off until January 2, 2026. Is it possible to get more time?



ZACHARIAH A SMITH | RIGHT OF WAY AGENT

ZASMITH1@AEP.COM | D:304.746.2849 | C:304.964.1227

2935 WV ROUTE 34, WINFIELD, WV 25213

From: Kenzie Roland <RolandK@Huntingtonwv.gov>

Sent: Friday, December 12, 2025 3:28 PM

To: Zachariah A Smith <zasmith1@aep.com>; michaelplymale@mgcwv.com; andrewbays@mgcwv.com; Mark Bates <BatesM@Huntingtonwv.gov>; Sherry Wilkins <sherry.wilkins@huntingtonswu.com>; wleek@huntingtonsb.com; Henry.Perkins@amwater.com; jessica.barton@chhdwv.gov

Cc: Zane Parsley <ParsleyZ@Huntingtonwv.gov>; Steven Curry <CurryS2@Huntingtonwv.gov>

Subject: [EXTERNAL] Planning Commission Review (Kinetic Park) - Request for Comment

Good afternoon,

At the January 5th City of Huntington Planning Commission meeting, the Planning Commission will be reviewing preliminary plans by Emerald Hospitality LLC to build a hotel in Kinetic Park, which is approximately 2.04 acres.

Please see attached map and site plan. In order to help the Planning Commission review the plans, I am requesting that you review these plans and provide any comments, concerns, or questions from your agency in order to help them evaluate the proposal.

Please provide your comments or request for more time by 4:30 p.m. on Monday December 22nd, so I can report out at the Planning Commission meeting. If I do not hear from you by that time, I will assume that your agency is fine with the plans as presented.

Please let me know if you have any questions, want to discuss, or need specific plans to review. If you are not the appropriate person to review from your agency, please let me know and provide the contact information for the person I should be reaching out to in the future.

Have a great day,

Kenzie Roland

Planner I

Department of Planning & Development

City of Huntington

800 Fifth Avenue, Room 100C

P.O. Box 1659

Huntington, WV 25701

T: 304.696.5540 x2095

Email: rolandk@huntingtonwv.gov