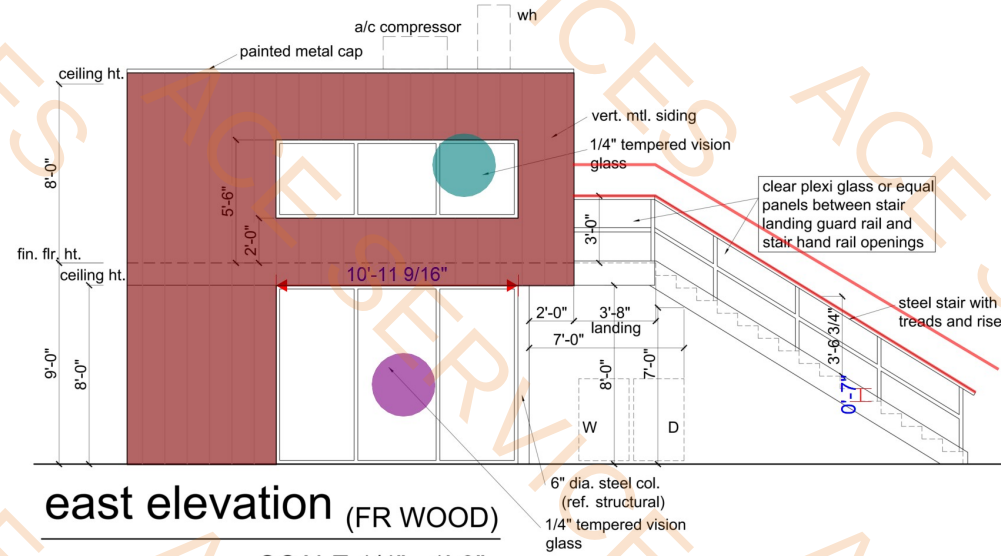
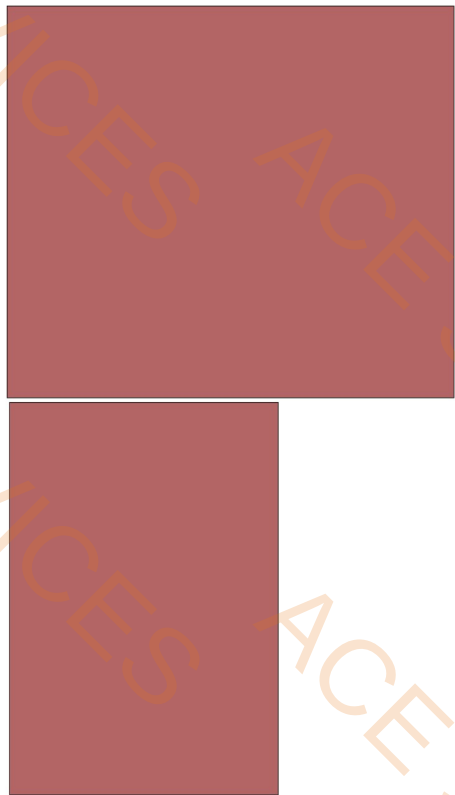
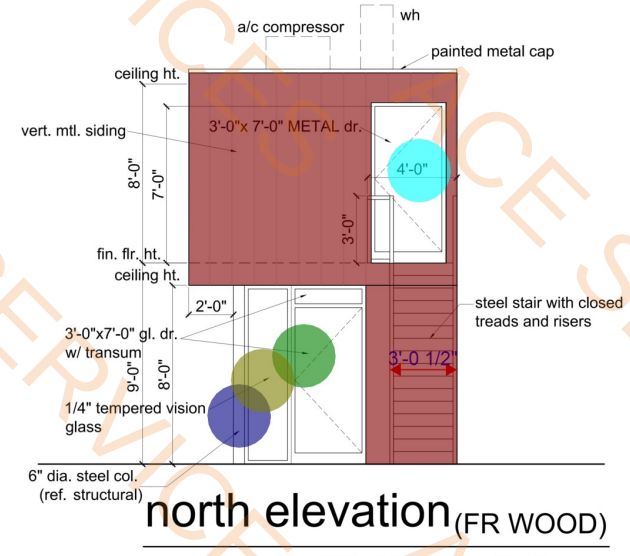
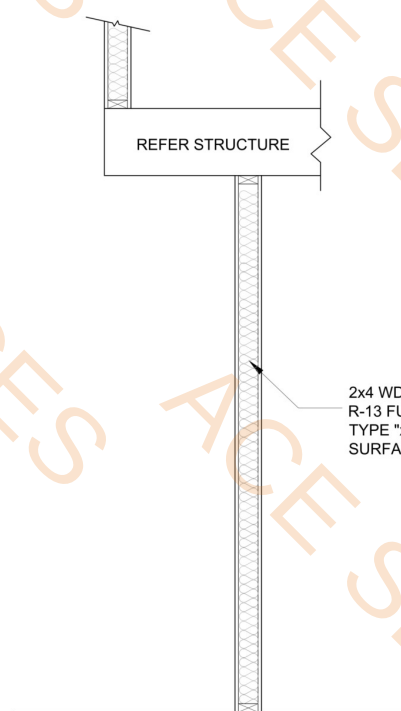




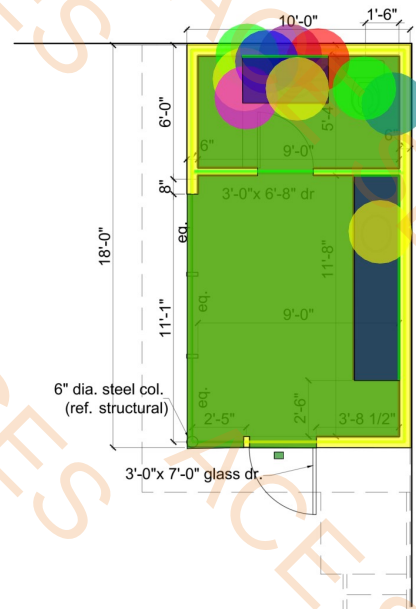
east elevation (FR WOOD)
SCALE 1/4"= 1'-0"



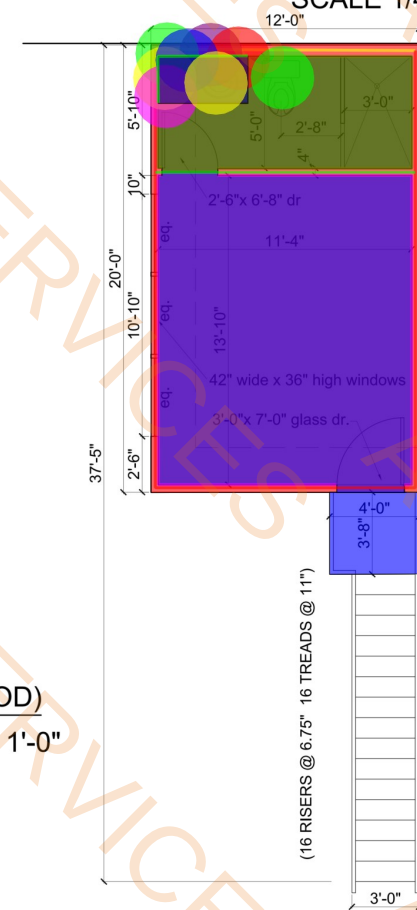
north elevation (FR WOOD)
SCALE 1/4"= 1'-0"



TYPICAL WALL SECTION



ground floor (FR WOOD)
180 sf. SCALE 1/4"= 1'-0"

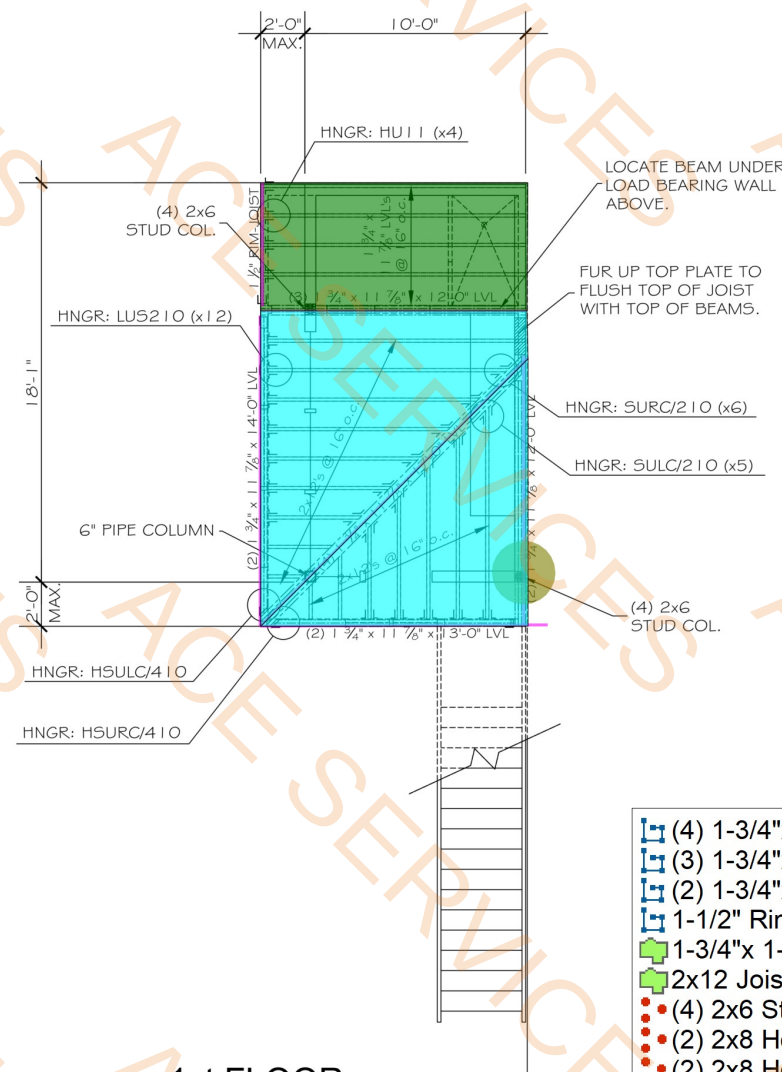


second floor (FR WOOD)
240 sf. SCALE 1/4"= 1'-0"

Vertical Metal Siding	913.6 SQ FT
Tile Flooring	222.7 SQ FT
Wall Tile, H: 5'-0"	79.6 FT
2'-0"D Lavatory Countertop	35.9 SQ FT
4"H Backsplash	21.4 FT
1'-0"D Wall Hung Cabinets	8.0 FT
2'-0"D Base Cabinets	17.2 FT
WC-1, Water Closet	2.0 EA
L-1, Lavatory - White Porcelain - Model: American Standard	3.0 EA
Vinyl Flooring	162.9 SQ FT
Vinyl Wall Base	45.4 FT
3'-0" x 7'-0" Metal Door	1.0 EA
3'-0" x 7'-0" Glass Door w/ Transum	1.0 EA
2'-2" x 8'-0" Storefront - 1/4" Tempered Vision Glass	1.0 EA
6" Dia Steel Column, H: 8'-0"	1.0 EA
11'-0" x 8'-0" Storefront	1.0 EA
11'-0" x 3'-6" Tempered Vision Glass Windows w/ Frame	1.0 EA
Stair's Metal Railing, H: 3'-0"	42.6 FT
2x6 Extr. Wood Studs @ 16" O.C	53.0 FT
2x4 Extr. Wood Studs @ 16" O.C - R-13 Batt Insulation - 5/8" Type 'x' Gypsum Board	51.5 FT
2x4 Intr. Wood Studs @ 16" O.C	21.2 FT
Stairs Landing Metal Deck	15.3 SQ FT
1'-3"W x 2'-3" D Concrete Footing	64.4 FT
Painted Metal Cap	249.0 SQ FT
4" Slab on Grade	185.9 SQ FT
Wall Mirror	2.0 EA
48" Grab Bar	1.0 EA
Wall Mounted Soap Dispenser	2.0 EA
Tissue Paper Holder	2.0 EA
Sanitary Napkin Disposal	2.0 EA
Soap Dispenser	2.0 EA
Towel Paper Dispenser	2.0 EA

SEE HEADER SCHEDULE SHEET S2.2.
FOR ALL HEADER SIZES NOT LABELED.

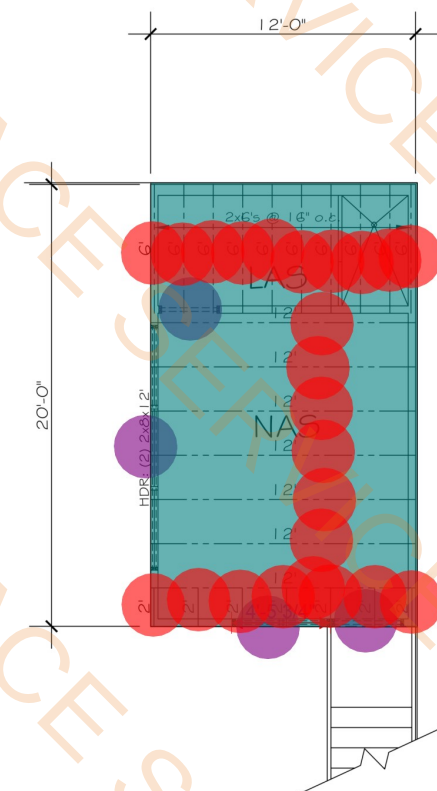
ALL MATERIALS (LUMBER AND LVL'S) ARE TO BE FIRE RETARDANT TREATED WITH UL[®] CLASS A (CLASS 1) PRODUCT WITH AN FR-S RATING IN ACCORDANCE WITH ASTM D 3201. TREATMENT MUST COMPLY WITH 2024 (IBC).



1st FLOOR CEILING FRAMING

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

- | | |
|--|-------------|
|  (4) 1-3/4"x 1-1 7/8" LVL Beam | 17.2 FT |
|  (3) 1-3/4"x 1-1 7/8" LVL Beam | 12.1 FT |
|  (2) 1-3/4"x 1-1 7/8" LVL Beam | 39.4 FT |
|  1-1/2" Rim Joist | 5.6 FT |
|  1-3/4"x 1-1 7/8" LVL @ 16" O.C | 70.1 SQ FT |
|  2x12 Joists @ 16" O.C | 173.2 SQ FT |
|  (4) 2x6 Stud | 1.0 EA |
|  (2) 2x8 Header, L-12' | 1.0 EA |
|  (2) 2x8 Header, L-6'-0" | 1.0 EA |
|  (2) 2x6 Header, L-3'-6" | 2.0 EA |
|  ROOF AREA | 243.5 SQ FT |
|  2x6 Joist, L: 6'-0" | 10.0 EA |
|  2x6 Joist, L: 12'-0" | 7.0 EA |
|  2x6 Joist, L: 2'-0" | 7.0 EA |



2nd FLOOR CEILING FRAMING

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

REV	DATE	DESCRIPTION
-	01/31/25	ISSUED FOR CONSTRUCTION
A	02/03/25	REVISED TO STEEL FRAMING

LR ENGINEERING
STRUCTURAL DESIGN & INSPECTION

22115 TEAKWOOD LANE
SUITE #450
PLANO, TEXAS 75075
FIRM # F-15652

PHONE 972-964-
FAX 972-964-
ENGINEERING@LR



ADDISON, TEXAS
15809 ADDISON ROAD

MEZZANINE FRAMING PLAN

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

2025-0029B
SHEET
S3.0

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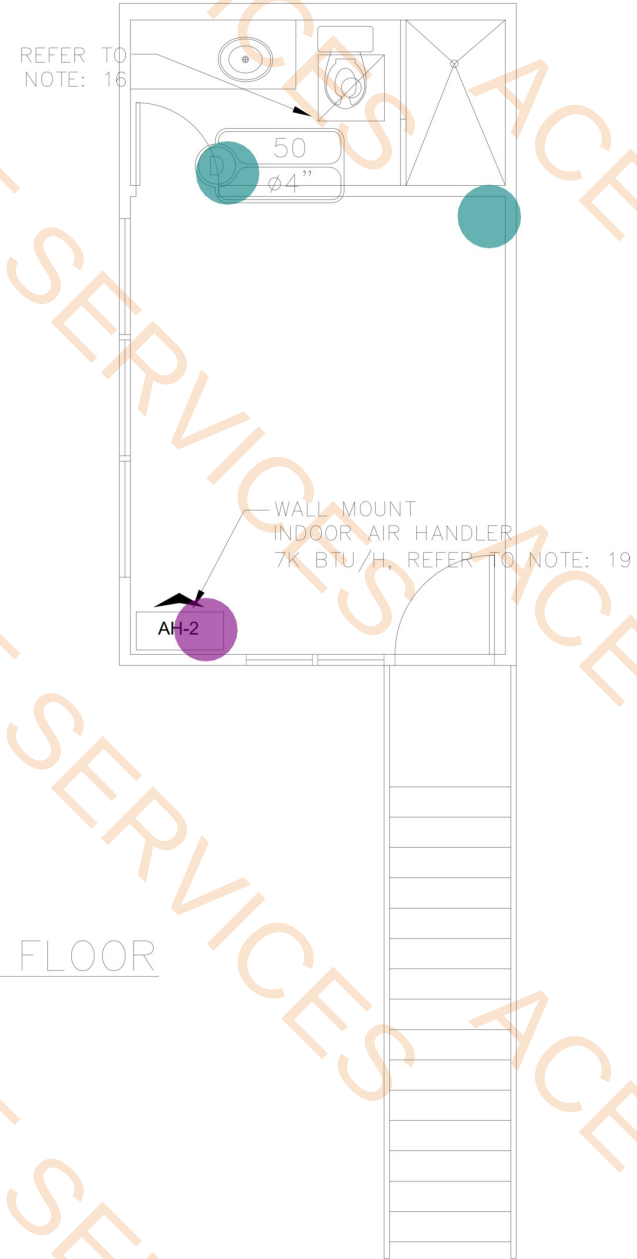
THESE DRAWINGS, AS INSTRUMENTS OF PROFESSIONAL SERVICE, ARE THE PROPERTY OF

A circular professional engineer seal for the State of Texas. The outer ring contains the text "STATE OF TEXAS" at the top and "LICENSED PROFESSIONAL ENGINEER" at the bottom, separated by two stars on each side. In the center is a five-pointed star. Below the star, the name "JUAN ALONZO JR" and the license number "130035" are printed. The seal is surrounded by a decorative wavy border.

DATE: JANUARY 10, 2025

Copyright 2025

1. COORDINATE ALL EQUIPMENT LOCATIONS AND CEILING PENETRATIONS WITH THE GENERAL CONTRACTOR. USE SHOP DRAWINGS PROVIDED BY THE EQUIPMENT MANUFACTURER.
2. ALL EQUIPMENT SUBSTITUTIONS SHALL BE APPROVED BY OWNER AND MUST BE EQUAL TO OR OF BETTER QUALITY THAN EQUIPMENT SPECIFIED.
3. USE OF ALTERNATE H.V.A.C. EQUIPMENT MAY RESULT IN DIFFERENCES IN STRUCTURAL, ELECTRICAL, PLUMBING AND DUCT CONFIGURATION AND/OR SIZES. MECHANICAL CONTRACTOR TO VERIFY AND COORDINATE ALL REQUIRED CHANGES AND OBTAIN OWNERS PRIOR APPROVAL.
4. ANY NEW THERMOSTATS SHALL BE LOCATED GENERALLY AND THEIR EXACT LOCATION SHALL BE FIELD COORDINATED TO AVOID INTERFERENCE WITH WALL MOUNTED ITEMS. MOUNT AT 60" A.F.F.
5. PROVIDE NEOPRENE FLEXIBLE CONNECTORS AT ALL MECHANICAL EQUIPMENT DUCT CONNECTIONS.
6. COORDINATE HANG HEIGHTS AND ROUTING OF DUCTWORK WITH ALL AFFECTED BUILDING TRADES TO AVOID CONFLICTS.
7. MECHANICAL CONTRACTOR SHALL COORDINATE ALL HVAC ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO THE INSTALLATION OF ELECTRICAL SERVICE.
8. ALL ROOF PENETRATIONS SHALL BE SEALED AIR TIGHT FOR BUILDING PRESSURE TESTING.
9. THE MECHANICAL CONTRACTOR SHALL INSTALL ALL REFRIGERANT PIPING.
10. MAINTAIN PROPER CLEARANCE AROUND ALL EQUIPMENT AS PER MANUFACTURER'S REQUIREMENTS. ALL CLEARANCES MUST MEET APPLICABLE CODES AND ORDINANCES.
11. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL VERTICAL AND HORIZONTAL OFFSETS (NOT SHOWN) FOR DUCT AND EQUIPMENT INSTALLATION.
12. ALL OUTSIDE AIR INTAKES AND OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM ANY EXHAUST CAP OR PLUMBING VENT.
13. ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS (WIDTH X HEIGHT).
14. TRANSITION ALL DUCTS AS REQUIRED TO ATTACH TO EQUIPMENT.
15. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES, ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS AND ROOFS SHALL BE DESIGNED INTO THE STRUCTURE INITIALLY BY THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
16. RESTROOM EXHAUSTS TO CONNECT TO EXISTING BUILDING EXHAUST SYSTEMS (REFER TO EXISTING BUILDING PLANS, BY OTHERS)
17. VENTLESS DRYER TO BE INSTALLED, GE GFT14ESSMWW, INSTALL AS PER MANUFACTURER'S INSTALLATION.
18. LMU183HV 14,000 BTU MULTI F INVERTER HEAT PUMP OUTDOOR UNIT, INSTALL AS PER MANUFACTURER'S INSTALLATION MANUAL
19. LMN079HVT MULTI F WALL MOUNTED HIGH EFFICIENCY INDOOR UNIT, INSTALL AS PER MANUFACTURER'S INSTALLATION MANUAL.



2 MECHANICAL PLAN: 2ND FLOOR
SCALE: 3/8"=1'-0"

Diagram illustrating the location of the Condenser Unit for a Split System Air Handler Unit. The unit is shown with labels for the Air Handler (ASH-1) and the Condenser Unit (CU-1). The Condenser Unit is located outside the building, as indicated by the red circle and arrow pointing to the 'CONDENSER UNIT LOCATION' label.

DIFFUSER SCHEDULE						
TYPE	SERVICE	ALUMINUM	FINISH COLOR	MANUFACTURER	MODEL NUMBER	REMARKS
A	SUPPLY AIR	ALUMINUM	OFF WHITE	TITUS	TDC	24"x24"
B	SUPPLY AIR	ALUMINUM	OFF WHITE	HART & COOLEY	SVH	SPIRAL DIFFUSER
C	SUPPLY AIR	ALUMINUM	OFF WHITE	HART & COOLEY	A618	SIDEWALL DIFFUSER
D	RETURN AIR & EXHAUST	STEEL	OFF WHITE	BROAN OR APPROVED EQUAL	67B	CEILING MOUNTED EXHAUST
REMARKS: 1.) COORDINATE FINAL AIR DEVICE COLOR AND LOCATION WITH ARCHITECT. 2.) CONTRACTOR TO SUBMIT SHOP DRAWINGS OF AHU'S AND DIFFUSERS FOR APPROVAL						

- | | | |
|--|--------|--|
| CU-1, Mini Split Air Conditioner Condensing Unit | 1.0 EA | |
| AH-1, Mini Split Indoor Air Handler Unit | 1.0 EA | |
| AH-2, Mini Split Indoor Air Handler Unit | 1.0 EA | |
| Return Air Grille | 1.0 EA | |
| Air Supply Diffuser | 2.0 EA | |
| RTU, Roof Top Unit | 1.0 EA | |

3. CONTRACTOR TO VERIFY CONDENSER UNIT LOCATION WITH CIVIL DRAFTER.

4. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF EQUIPMENT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

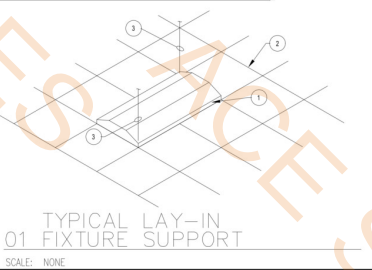
5. HVAC CONTRACTOR TO PROVIDE SPECIFICATIONS OF RTU MOUNT TO A.O.R. & E.O.R. BEFORE COMMENCING WORK. VERIFY THE CAPACITY OF ALL EXISTING AND NEW STRUCTURAL COMPONENTS BEFORE INSTALLATION.

---ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS.
SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION	MTD. HT. UNO (SEE NOTE 1)	SYMBOL	DESCRIPTION	MTD. HT. UNO (SEE NOTE 1)
	2"x4" FLUORESCENT LIGHT FIXTURE (LED)	SEE FIX. SCH.		FLOOR MOUNTED DATA OUTLET - FLUSH MOUNTED UNIT FLOOR BOX = 82529, COVER = 52525 FLANGE = 53079 CLEAR	1300H
	2"x4" FLUORESCENT FIXTURE W/EMERGENCY BATTERY PACK (LED)	SEE FIX. SCH.		FLOOR MOUNTED TELEPHONE OUTLET - FLUSH MOUNTED UNIT FLOOR BOX = 82529, COVER = 52525 FLANGE = 53079 CLEAR	FLOOR
	2"x2" FLUORESCENT LIGHT FIXTURE (LED)	SEE FIX. SCH.		FIRE ALARM AUDIBLE/VISUAL SIGNAL	48" AFF
	2"x2" FLUORESCENT FIXTURE W/EMERGENCY BATTERY PACK (LED)	SEE FIX. SCH.		FIRE ALARM VISUAL SIGNAL	48" AFF
	TRACK LIGHT WITH HEADS AS INDICATED	SEE FIX. SCH.		WALL PACKS	REFER TO ARCH. PLANS
	CHANDELIER	SEE FIX. SCH.		FIRE ALARM PULL STATION	48" AFF
	WALL MOUNTED LIGHT	SEE FIX. SCH.		FIRE ALARM AUDIBLE/VISUAL SIGNAL	80" AFF
	LED RECESSED CAN LIGHT	SEE FIX. SCH.		FIRE ALARM VISUAL SIGNAL	80" AFF
	LED HIGH BAY EXPOSED LIGHT WITH EMERGENCY BATTERY PACK	SEE FIX. SCH.		FIRE ALARM SMOKE DETECTOR CEILING OR WALL MOUNTED	---
	EXIT LIGHT, CEILING OR WALL MOUNTED - SHADING INDICATING SINGLE OR DOUBLE FACE; DIRECTIONAL ARROWS AS INDICATED	9" BFC		HEAT DETECTOR CEILING OR WALL MOUNTED	---
	EXIT LIGHT SAME AS ABOVE, EXCEPT WITH AN EMERGENCY UNIT AS A COMBO	9" BFC		DUCT SMOKE DETECTOR	---
	CEILING FAN	---		FIRE ALARM CONTROL PANEL, ADDRESSABLE, SURFACE MOUNT UNIT	---
	FLUORESCENT STRIP LIGHT	SEE FIX. SCH.		FIRE ALARM REMOTE ANNUNCIATOR PANEL, FLUSH MOUNTED UNIT	---
	FLUORESCENT STRIP LIGHT WITH EMERGENCY BATTERY PACK	SEE FIX. SCH.		POWER SUPPLY, DEDICATED 110V	FIELD LOCATE
	WALL SWITCH SPST, 20A/120/277V	48" AFF		DOOR HOLDER DEVICE	AS REQD.
	DOUBLE POLE TOGGLE SWITCH, 20A/120/277V	48" AFF		TAMPER SWITCH	AS REQD.
	3-WAY WALL SWITCH, 20A/120/277V	48" AFF		FLOW SWITCH	AS REQD.
	4-WAY WALL SWITCH, 20A/120/277V	48" AFF		HEAVY DUTY DISCONNECT SWITCH FUSED	AS REQD.
	WALL DIMMER SWITCH	48" AFF		HEAVY DUTY DISCONNECT SWITCH NONFUSED	AS REQD.
	SINGLE RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R	15" AFF		HEAVY DUTY COMBINATION DISCONNECT/MOTOR STARTER	AS REQD.
	DUPLEX RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R	15" AFF		HEAVY DUTY MOTOR STARTER	AS REQD.
	DUPLEX RCPT. GF - 20A/125V/2P/3W/G NEMA 5-20R	15" AFF		ENCLOSED BREAKER, RE: TO SCH. FOR MORE INFO.	AS REQD.
	DUPLEX RCPT. GF INSTALLED IN A "IN-USE" WEATHER PROOF STEEL ENCLOSURE - 20A/125V/2P/3W/G NEMA 5-20R	15" AFF		MOTOR	AS REQD.
	QUADPLEX RECEPTACLE	15" AFF		PANELBOARD, CLEARANCE AS PER LATEST NEC	---
	ISOLATED GROUND QUADPLEX RECEPTACLE	15" AFF		FLOOD LIGHTS OR WALL PACKS	90" AFF
	ISOLATED GROUND DUPLEX RECEPTACLE - 20A/125V NEMA 5-20R	15" AFF		SWITCH LEG	---
	220V RECEPTACLE, VERIFY NEMA NO. WITH EQUIPMENT SUPPLIER	---		ELECTRICAL CONDUIT	---
	SPECIAL PURPOSE RECEPTACLE (NEMA NO. AS INDICATED)	15" AFF		UNDERGROUND ELECTRICAL CONDUIT	---
	JUNCTION BOX - SIZE & MOUNTING AS REQUIRED, MINIMUM OF 4" SQUARE	AS REQD.		MULTI-POLE DEVICE CIRCUIT NUMBERS	---
	WALL MOUNTED TELEPHONE/DATA OUTLET, FURNISH AND INSTALL 1'c, WITH PULLSTRING AND INSULATED BUSHING, STUBBED ABOVE CEILING, +24" UNLESS OTHERWISE NOTED. BOX TO BE MINIMUM 2 1/8" DEEP.	15" AFF		THREE SINGLE POLE DEVICE CIRCUIT NUMBERS	---
	WALL MOUNTED TELEPHONE/DATA OUTLET, FURNISH AND INSTALL 3/4" c/c, WITH PULLSTRING AND INSULATED BUSHING, STUBBED ABOVE CEILING, +24" UNLESS OTHERWISE NOTED. BOX TO BE MINIMUM 2 1/8" DEEP.	15" AFF		CONDUIT AND WIRE HOMERUN TO PANEL, SHORT HATCH INDICATES NEUTRAL CONDUCTOR, LONG HATCHES INDICATE PHASE CONDUCTORS, AND LONG HATCH WITH CIRCLE INDICATES ISOLATES OR INSULATED GROUND, ALPHANUMERIC DESCRIPTION INDICATES PANEL AND BREAKER	---
	PUBLIC TELEPHONE OUTLET.	---		UNDERGROUND CONDUIT AND WIRE HOMERUN TO PANEL, SHORT HATCH INDICATES NEUTRAL CONDUCTOR, LONG HATCHES INDICATE PHASE CONDUCTORS, AND LONG HATCH WITH CIRCLE INDICATES ISOLATES OR INSULATED GROUND, ALPHANUMERIC DESCRIPTION INDICATES PANEL AND BREAKER	---
	TELEVISION OUTLET, C/C, OR WALL MOUNTED - STUB 3/4" c/c, ABOVE CEILING FROM OUTLET BOX	15" AFF		DETAIL NUMBER	---
	PUSHBUTTON WALL MOUNTED.	48" AFF		THERMOSTAT WALL MOUNTED - STUB 1/2" ABOVE CEILING FROM OUTLET BOX, COORDINATE EXACT LOCATION AND HEIGHT WITH MECHANICAL DIVISION.	---
	FLOOR MOUNTED DUPLEX L.E. RECEPTACLE - FLUSH MOUNTED UNIT, FLOOR BOX = HUBBELL # 82529, COVER = 53725, FLANGE = # 53079 CLEAR	FLOOR		ELECTRICAL DEVICE AS SHOWN ON PLANS	---
	FLOOR MOUNTED QUADPLEX L.E. RECEPTACLE FLOOR BOX = HUBBELL # PF802, COVER = 53826, FLANGE = # PF802	FLOOR		SURFACE RACEWAY, SURFACE MOUNT RACEWAY SHALL BE WIREMOLD #2100 SERIES. PROVIDE ALL RELATED #2100 SERIES ACCESSORIES FOR AN OPERABLE SYSTEM	---
	FLOOR MOUNTED TELEPHONE OUTLET - FLUSH MOUNTED UNIT FLOOR BOX = 82529, COVER = 52525 FLANGE = 53079 CLEAR	FLOOR		LIGHTING MAIN AREA: REFER TO OWNER FOR TYPE	---
	PENDANT LIGHT	---		TELEVISION OUTLET, C/C, OR WALL MOUNTED - STUB 3/4" c/c, ABOVE CEILING FROM OUTLET BOX	---
	6" TUBE 2-LAMP FLUORESCENT LED LIGHTS	---		EXIT LIGHT, CEILING OR WALL MOUNTED - SHADING INDICATING SINGLE OR DOUBLE FACE, DIRECTIONAL ARROWS AS INDICATED WITH AN EMERGENCY UNIT AS COMBO	---
	6" TUBE 2-LAMP FLUORESCENT LED LIGHTS W/ EMERGENCY BATTERY BACK-UP	---		RESTROOM EXHAUST FAN	---
	LED EMERGENCY LIGHT WITH BATTERY BACK-UP	---		VAPOR PROOF LIGHT FIXTURE	---

ABBV:	DESCRIPTION	ABBV:	DESCRIPTION
AFB	ABOVE FINISHED FLOOR	(S.C.)	SHARE CIRCUIT
BFC	BELOW FINISHED CEILING	QRCP(T)(S)	QUAD RECEPTACLE(S)
C	CONDUIT	RCPT(S)	DUPLEX RECEPTACLE(S)
CB	CIRCUIT BREAKER	CRCP(T)(S)	I.G. RECEPTACLE(S)
EC	EMPTY CONDUIT	QRCRCP(T)(S)	QUAD I.G. RECEPTACLE(S)
EX	EXISTING	PNL	PANEL
F	FUSE	SO (S.O.)	SPACE ONLY
G	GROUND (EQUIPMENT)	SP	SPARE
GT	GROUND FAULT INTERRUPTER	ST (S.T.)	SHUNT TRIP
MT	MOUNT OR MOUNTED	SW	SWITCH
NF	NONFUSED	UF	UNDERFLOOR
N.C.	NOT IN CONTRACT	UG	UNDERGROUND
N.D.	HEAVY DUTY	UNO(UN.O.)	UNLESS NOTED OTHERWISE
NL	NIGHT LIGHT	WG	WIRE GUARD
AC	ABOVE COUNTER	WP	WEATHERPROOF
HT	HEIGHT	XFR	TRANSFORMER
MTD.	MOUNTING	MB	MAIN BREAKER
FDR.	FEEDER	MLO	MAIN LUGS ONLY
CKT.	CIRCUIT	RMC	RIGID METAL CONDUIT
LTG.	LIGHTING	RNC	RIGID NONMETALLIC CONDUIT
LC	LIGHTING CONTACTOR	EMT	ELECTRICAL METAL TUBING CONDUIT
IG	ISOLATED GROUND		
EA	EACH		
MFR.	MANUFACTURER		

- 1 2'x 4' LAY-IN FLUORESCENT FIXTURE
- 2 SUSPENDED CEILING
- 3 TIE WIRE, CONNECT TO ALL FOUR CORNERS OF FIXTURE TO TOP OF STRUCTURE, INDEPENDENT OF CEILING SUPPORTS.



NOTE:
PROVIDE EMERGENCY LIGHTS AND EXIT
ILLUMINATION SIGNS. SEE EXAMPLE —

ALL ELECTRICAL WORK SHALL BE
DONE BY A LICENSED ELECTRICIAN
AS PER ELECTRICAL CODE
PROVIDE 36" CLEARANCES FOR ALL
PANEL BOXES & IDENTIFY ALL BREAKER

FOR ALL EQUIPMENT SCHEDULE REFER
TO ARCHITECTURAL PLANS

REFER TO PRODUCT/EQUIPMENT SPECS
FOR ELECTRICAL REQUIREMENT AND
INSTALLATION

NOTE:
ALL SWITCHES TO BE AT EYE LEVEL
ELECTRICAL OUTLETS TO BE 42" ABOVE
FINISH FLOOR.

- A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WIRING IN ACCORDANCE WITH ARCHITECTURAL MILLWORK.
- B. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS BEFORE ANY ROUGH-IN IN ORDER TO COORDINATE MANUFACTURER'S DRAWINGS FOR EQUIPMENT LOCATION AND INSTALLATION ACCESSORIES.
- C. COORDINATE RUNS FOR CONDUIT UP IN JOIST AND SUSPENDING REQUIREMENTS.
- D. COORDINATE LOCATION OF LIGHTS WITH DIFFUSERS AND GRILLES.
- E. COORDINATE EXACT ROUTING OF ALL CONDUIT ABOVE CEILING IN BUILDING, TYPICAL FOR ALL BUILDING EXTERIOR LIGHTING.
- F. VERIFY CEILING TYPES AND COORDINATE WITH FIXTURE TYPE. NOTIFY ENGINEER IF DISCREPANCIES EXIST PRIOR TO ORDERING FIXTURES.

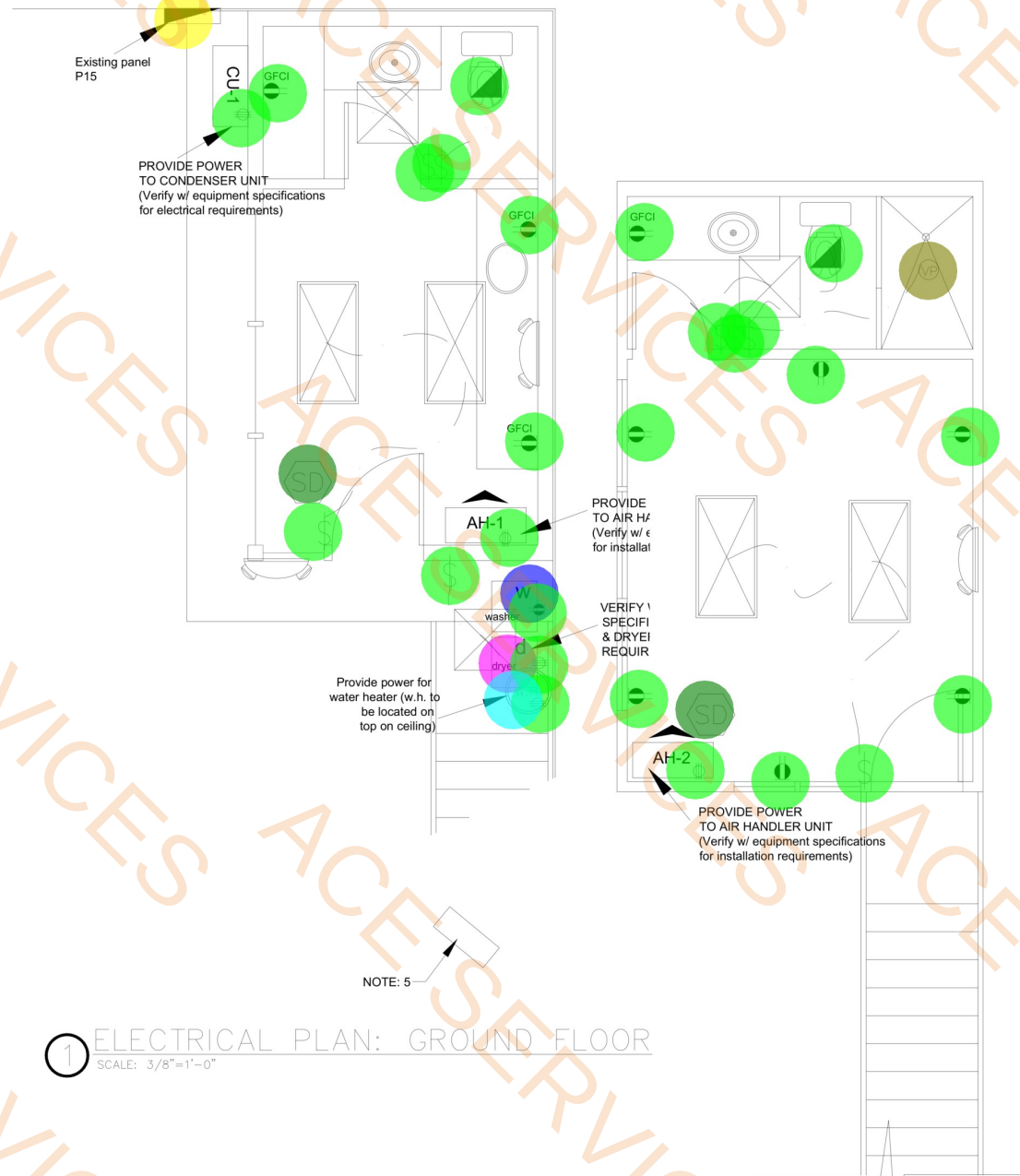
FOR ALL EQUIPMENT SCHEDULE REFER
TO ARCHITECTURAL PLANS

REFER TO PRODUCT/EQUIPMENT SPECS.
FOR ELECTRICAL REQUIREMENT AND
INSTALLATION

NOTE (A) :
COORDINATE ALL OUTLET
HEIGHTS WITH ARCHITECT
PRIOR TO INSTALLATION.

- | NO. | DESCRIPTION | UNIT | QTY | UNIT PRICE | TOTAL PRICE | REMARKS |
|-----|--|--|-----|------------|-------------|---------|
| 1 | ROUTE 2-2" CONDUIT TELEPHONE DEMARK. | • GFCI Duplex Receptacle | 4.0 | EA | 4.0 EA | |
| 2 | TELEPHONE/CABLE D | • Duplex Receptacle - 20A/125V/2P/3W/G NEMA | 7.0 | EA | 7.0 EA | |
| 3 | FURNISH AND INSTAL | • Receptacle | 5.0 | EA | 5.0 EA | |
| 4 | ROUTE 2-4" CONDUIT | • Exhaust Fan | 2.0 | EA | 2.0 EA | |
| 5 | ROUTE 2#10, 10G, 3 | • Single Pole Switch | 8.0 | EA | 8.0 EA | |
| 6 | LIGHTING CIRCUIT SH | • P15 Existing Panel - 120V/208V - 3 Ph - 4 Wire - 150 Amp - Enclosur... | 1.0 | EA | 1.0 EA | |
| 7 | ASTRONOMICAL TIME
SIDE FACING EXPOSU | • Washer | 1.0 | EA | 1.0 EA | |
| 8 | FURNISH AND INSTAL
PRIOR TO ROUGH-IN | • Dryer | 1.0 | EA | 1.0 EA | |
| 9 | ROUTE 2-2" CONDUIT | • Water Heater | 1.0 | EA | 1.0 EA | |
| 10 | ROUTE 1-2" CONDUIT | • SD | 2.0 | EA | 2.0 EA | |
| 11 | FURNISH AND INSTAL
CONNECTION OF SATI | • VP | 1.0 | EA | 1.0 EA | |
| 12 | JUNCTION BOX- 4" | | | | | |

- | ALL SITE LIGHTING | CIRCUITS CONSISTS OF 2#10, #10G CONDUCTOR AND 3/4"C, UNO. |
|-------------------|--|
| 4.0 EA | TYPE X, UNO, CONNECT EXIT LIGHT FIXTURES TO UN-SWITCHED CIRCUIT SERVING SPACE IN WHICH |
| 7.0 EA | ED,INSTALL WALL MOUNTED FIXTURES 8'-0" AFF, UNO. |
| 5.0 EA | FIXTURES IN ROOMS TO PERMIT ALL THE LAMP,S TO BE SWITCHED OFF, LEAVING THE BATTERY IN |
| 2.0 EA | ON, SO THE EMERGENCY BATTERY UNIT WILL OPERATE ONE LAMP WHEN THE NORMAL POWER IS |
| 8.0 EA | JEST THE REQUIRED WIRING DIAGRAM FROM EQUIPMENT MANUFACTURER. ALL EMERGENCY LIGHTING |
| 1.0 EA | IS CIRCUITED TO THE NON-SWITCHED/PHASE WIRE IN ADDITION TO THE SWITCHED LEG. ALL EXIT |
| 1.0 EA | UITED TO THE NON-SWITCHED PHASE WIRE ONLY. |
| 1.0 EA | DUIT RUNS SHALL BE KEPT TO MINIMUM FOR AESTHETIC PURPOSES. CONDUITS SHALL BE RUN WITHIN |
| 1.0 EA | EATER FOR FREEZE PROTECTION SUSPENDED FROM STRUCTURE. REFER TO BUILDING MEP PLANS (BY |
| 2.0 EA | TS TO CONNECT TO EXISTING EXHAUST SYSTEMS IN BUILDING. (FIELD VERIFY W/ BUILDING PLANS, BY |



1 ELECTRICAL PLAN: GROUND FLOOR
SCALE: 3/8"=1'-0"

2 ELECTRICAL PLAN: 2ND FLOOR
SCALE: 3/8"=1'-0"



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DATE: JANUARY 10, 2025

[illegible]

EHOAA HANGAR
R4-15
15809 ADDISON
ROAD
ADDISON, TEXAS

LIGHTING & POWER PLAN

E-1

ALLEN WHITWELL

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KEYED NOTES: ELECTRICAL

- 1
- NEW POWER COMPANY TRANSFORMER PER POWER COMPANY STANDARDS. COORDINATE COST AND INSTALLATION WITH POWER COMPANY PRIOR TO BID.
- 2
- EXISTING 120/208V, 3Ø, 4W, ELECTRICAL SERVICE .
- 3
- CONTRACTOR TO PROVIDE AND INSTALL PVC CONDUIT FROM NEW UTILITY TRANSFORMER TO NEW ELECTRICAL METER PER POWER COMPANY STANDARDS. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN. REFER TO ELECTRICAL RISER DIAGRAM.
- 4
- EXISTING ELECTRICAL SERVICE MCB
- 5
- CONTRACTOR TO PROVIDE AND INSTALL (1)-4" PVC CONDUIT FROM PROPOSED NEW POWER COMPANY POWER POLE WITH RISER DIP POLE TO NEW POWER COMPANY PAD MOUNT TRANSFORMER. ALL UNDERGROUND WORK SHALL BE ACCORDING TO POWER COMPANY STANDARDS. VERIFY ALL REQUIREMENTS WITH THE POWER COMPANY BEFORE ANY ROUGH-IN. COORDINATE LOCATION, COST, AND INSTALLATION WITH POWER COMPANY PRIOR TO BID.
- 6
- TIE INTO EXISTING TELEPHONE LINE. COORDINATE WITH TELEPHONE COMPANY FOR EXACT LOCATION AND ALL REQUIREMENTS PRIOR TO BID DATE.
- 7
- CONTRACTOR TO PROVIDE AND INSTALL (1)-4" PVC CONDUIT FOR TELEPHONE SERVICE EQUIPPED WITH PULLSTRING, AND TURNED UP AND CAPPED AT BOTH ENDS. DEPTH OF CONDUIT SHALL BE A MINIMUM OF 36". VERIFY ALL REQUIREMENTS WITH LOCAL UTILITIES BEFORE ROUGH-IN. ROUTE TO NEAREST TELEPHONE SERVICE LINE OR AS DIRECTED BY LOCAL TELEPHONE COMPANY. PROVIDE TRENCHING AND BACKFILL AS REQUIRED. COORDINATE EXACT LOCATION AND COST WITH TELEPHONE CO. PRIOR TO BID.
- 8
- SIGN CIRCUIT. COORDINATE EXACT LOCATION BEFORE ANY ROUGH-IN.
- 9
- NEW POWER COMPANY POWER POLE WITH RISER DIP POLE. COORDINATE EXACT LOCATION AND ALL REQUIREMENTS WITH POWER COMPANY PRIOR TO BID DATE.
- 10
- ROUTE TO LIGHTING CONTACTOR (LC).
- 11
- EXISTING PANEL, ELECTRICAL CONTRACTOR TO VERIFY EXISTING CONDITIONS AND ELECTRICAL LOADS OF OCCUPIED BREAKERS (CONTRACTOR TO INFORM E.O.R. OF ANY DISCREPANCIES)

20A, 1 Pole Breaker	8.0 EA	
20A, 3 Pole Breaker	1.0 EA	
50A, 3 Pole Breaker	1.0 EA	
30A, 2 Pole Breaker	2.0 EA	

PANEL P15

SERVICE:	120/208V, 3Ø, 4 WIRE	SOURCE	MAIN DISCONNECT
MAIN BREAKER RTNG:	MAIN LUGS ONLY	FEED	BOTTOM
MAIN LUGS/BUS RTNG:	150 AMP	MOUNTING	SURFACE
NEUTRAL BUS REQ'D:	100%	ENCLOSURE	NEMA-1
GROUND BUSS REQ'D:	100%	LOCATION	INSIDE BLDG. ELEC ROOM
A.I.C. RATING:	10,000	SQUARE "D" TYPE:	NQOD PANEL BOARD
DESCRIPTION	CKT. BKR. CONN. LOAD (VA) "A" "B" "C"	CKT. BKR. CONN. LOAD (VA) "A" "B" "C"	DESCRIPTION
RECP-HANGAR	---	1 2 ---	20/1 LTS-HANGAR WALLPACKS
LTS-HANGAR	---	3 4 ---	
WALL PACKS	---	5 6 ---	20/2 DOOR SWITCH CONTROL
		7 8 ---	
		9 10 ---	
DRYER	2.15	11 12 ---	30/3 RUH
WASHER	3.6	13 14 ---	
SPARE		15 16 ---	30/2 WATER HEATER
SPARE		17 18 ---	
SPARE		19 20 ---	SPACE
		21 22 ---	SPACE
MINI SPLIT CU	3.6	23 24 ---	SPACE
MINI SPLIT IDU	0.2	25 26 ---	SPACE
MINI SPLIT IDU	0.2	27 28 ---	SPACE
SPACE		29 30 ---	SPACE
SPACE		31 32 ---	SPACE
SPACE		33 34 ---	SPACE
SPACE		35 36 ---	SPACE
SPACE		37 38 ---	SPACE
SPACE		39 40 ---	SPACE
SPACE		41 42 ---	SPACE
SERVICE CALCULATION			
CONN. LOAD			KVA AMPS
		PHASE "A"	-- --
		PHASE "B"	-- --
		PHASE "C"	-- --
		TOTAL	122 AMPS

11 NOTE: EXISTING PANEL, VERIFY EXISTING CONDITIONS



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[Signature]

DATE: JANUARY 10, 2025

REVISION:	DESCR:	DATE:

EHOAA HANGAR
R4-15
15809 ADDISON
ROAD
ADDISON, TEXAS

PANELS AND
RISER
DIAGRAM

E-2

ALLEN WHITWELL

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- 1 CITY OF ADDISON TO MAKE FINAL CONNECTION TO CITY SEWER MAIN. FIELD VERIFY LOCATION OF EXISTING SEWER. PLUMBING CONTRACTOR TO BE RESPONSIBLE FOR COORDINATION, VERIFICATION AND CONNECTION OF ALL UTILITIES TO SITE UTILITY STUB-OUTS.
- 2 CITY OF ADDISON TO MAKE FINAL CONNECTION TO WATER MAIN TAP. FIELD VERIFY LOCATION OF TAP. PROVIDE 1" WATER METER AND BACKFLOW PREVENTER.
- 3 1/2" COPPER FROM TRAP PRIMER COVER WITH POLYETHYLENE SLEEVE "POLY SLEEVE" OR EQUAL. PROVIDE FLUSH VALVE WITH TRAP SEAL PRIMER EQUAL TO SLOAN VBF-72-A. SEE DETAIL 09/P-3.
- 4 1/2" COPPER FROM TRAP PRIMER, COVER WITH POLYETHYLENE SLEEVE, POLY-SLEEVE OR EQUAL. TYPICAL FOR ALL TRAP PRIMERS.
- 5 COORDINATE LOCATIONS OF ALL FLOOR SINKS WITH ARCHITECT.
- 6 WATER HAMMER ARRESTOR ABOVE CEILING. PROVIDE ACCESS PANEL WHERE LOCATED IN AN INACCESSIBLE CEILING. PANEL SHALL BE 12"x12" PAINTED TO MATCH CEILING.
- 7 GENERAL LOCATION OF WATER HEATER.
- 8 DRY VENT FOR COMBINATION WASTE AND VENT SYSTEM.
- 9 WATER SERVICE ENTRANCE.
- 10 BRONZE CUT-OFF VALVE ABOVE CEILING. PROVIDE ACCESS PANEL WHERE LOCATED IN AN INACCESSIBLE CEILING. PANEL SHALL BE 12"x12" PAINTED TO MATCH CEILING.
- 11 PVC OR PEX PIPE MATERIAL FOR PLUMBING LINES
- 12 4" SS UP IN FLOOR AND CAPPED AT 12" AFF FOR FUTURE TENANT CONNECTION
- 13 1" DCW VALVED AND CAPPED FOR FUTURE TENANT CONNECTION
- 14 ELECTRICAL UNIT HEATER FOR FREEZE PROTECTION SUSPENDED FROM STRUCTURE. REFER TO BUILDING MEP PLANS (BY OTHERS)
- 15 VENTLESS DRYER GFT14ESSMWW GE
- 16 VERIFY EXISTING SANITARY SEWER AND DOMESTIC WATER LOCATION

Legend for plumbing symbols:

- HOSE BIB
- FLOOR DRAIN
- HOT WATER
- COLD WATER
- GREASE WASTE
- 3" SEWER WASTE
- 4" SEWER WASTE
- 6" SEWER WASTE

FIXTURE ID	FIXTURE	TYPE/MODEL	QUANTITY
L-1	LAVATORY -WHITE PORCELAIN	AMERICAN STANDARD	1
WC-1	WATER CLOSET	AMERICAN STANDARD MADERA 1.28GPF EVERCLEAN	1

