

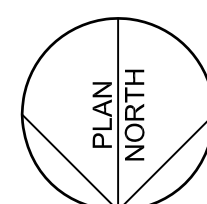
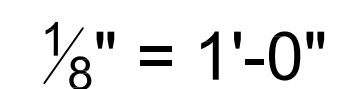
A.P.N.: 799-08-053
OCCUPANCY TYPE: A3
CONSTRUCTION TYPE: VB
REMODEL AREA: APPROX. 504 S.F.

REMODEL EXISTING KITCHEN INCLUDING EXPANSION INTO ADJACENT STORAGE ROOM AND REPLACEMENT OF EXISTING HOOD AND KITCHEN EQUIPMENT WITH MODIFICATION OF UTILITIES AS REQUIRED.

1. VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
2. ALL WORK TO BE DONE IN COMPLIANCE WITH 2022 C.B.C., C.M.C., C.P.C., C.F.C., C.E.C., AND ALL PERTINENT LOCAL, STATE AND FEDERAL CODES AND ORDINANCES.
3. THE ARCHITECT AND HIS CONSULTANTS DO NOT ASSUME ANY RESPONSIBILITY FOR THE METHOD AND/OR MANNER OF CONSTRUCTION NOR FOR ANY JOB SITE SAFETY DURING CONSTRUCTION.
4. ALL FINISH MATERIALS, COLORS, TEXTURES, PATTERNS, ETC. TO BE VERIFIED WITH OWNER PRIOR TO INSTALLATION.
5. ALL NEW & EXISTING EXPOSED SURFACES NOT FACTORY FINISHED TO BE PAINTED WITH QUALITY COMMERCIAL GRADE PAINT (2 FINISH COATS) OVER PROPERLY PRIMED OR PREPARED SURFACE PER PAINT MANUFACTURER RECOMMENDATIONS. ALL PAINT IN KITCHENS TO BE WASHABLE SEMI-GLOSS.
6. ALL DOOR PUSH PLATES, PULL HANDLES, LOCKSETS, ETC. TO BE HANDICAP APPROVED AND MOUNTED +34"- 44". ALL LOCKSETS OR LATCHSETS TO HAVE HANDICAP APPROVED LEVER HANDLES. VERIFY ALL HARDWARE FINISHES WITH OWNER. VERIFY (E) & MODIFY AS REQUIRED.
7. ALL NEW DOORS TO BE 1¾" FLUSH SOLID CORE WOOD. FINISH COLOR AND MATERIAL TO MATCH EXISTING.
8. PROVIDE A 10" HT. STAINLESS STEEL KICK PLATE ON PUSH SIDE OF ALL KITCHEN DOORS.
9. ALL NEW GSM WORK TO BE 24 GA. MIN. DONE IN CONFORMANCE WITH APPROPRIATE SMACNA RECOMMENDATIONS AND DETAILS.
10. ALL NEW PENETRATIONS OF ROOF OR EXTERIOR WALL TO BE FLASHED AND/OR CAULKED AS APPROPRIATE TO PROVIDE WATER PROOF SEAL.
11. ALL AREAS DAMAGED BY DEMOLITION OR NEW CONSTRUCTION TO BE REPAIRED & FINISHED AS REQUIRED TO MATCH (E) ADJACENT SURFACES UNLESS SPECIFICALLY NOTED OTHERWISE.

A1	EXISTING FLOOR / SITE PLAN
A2	(PROJECT AREA) EXISTING FLOOR / DEMO PLAN & EXISTING PARTIAL ROOF PLAN
A3	(PROJECT AREA) NEW FLOOR / EQUIPMENT PLAN, CONCRETE WALK SECTION, EQUIPMENT SCHEDULE & FINISH SCHEDULE
A4	(PROJECT AREA) NEW PLUMBING PLAN
A5	NEW PARTIAL ATTIC PLAN, SECTION AT HOOD
<u>ELECTRICAL (CENTRAL PACIFIC ENGINEERING)</u>	
E0.00	ELECTRICAL INFORMATION SHEET
E0.10	TITLE 24 INTERIOR
E2.00	LIGHTING PLAN - OVERALL
E2.10	LIGHTING PLAN - ENLARGED
E3.00	POWER PLAN - OVERALL
E3.10	POWER PLAN - ENLARGED
E3.20	POWER PLAN - ATTIC
E5.00	ONE-LINE
E5.10	PANEL SCHEDULES
E7.00	ELECTRICAL SPECIFICATIONS
<u>HOOD (ECON-AIR)</u>	
1	EQUIPMENT INFORMATION
2	HOOD PLAN & SECTION
3	MAKE UP AIR UNIT

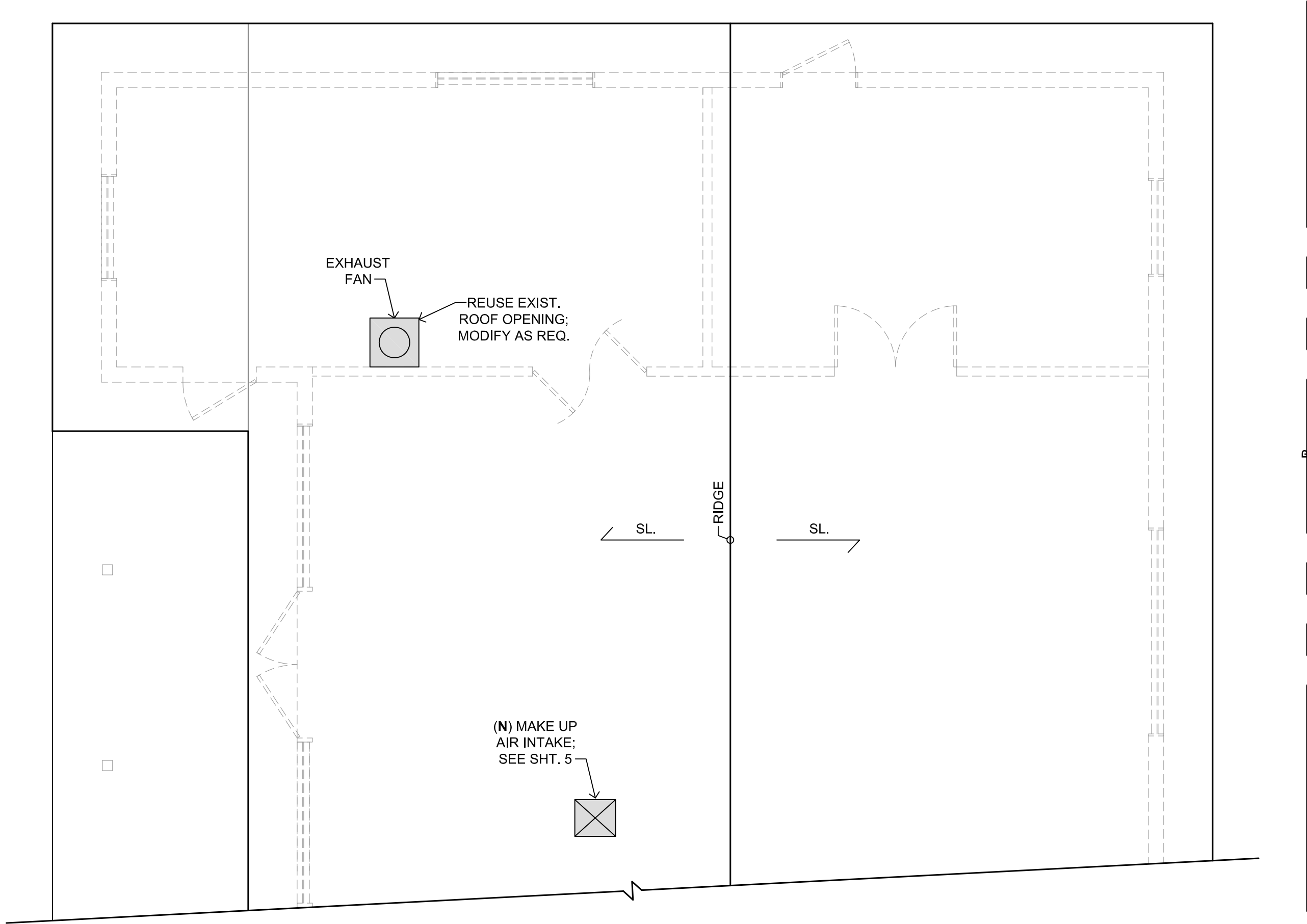
1. REPLACE (E) WINDOWS W/ (N) MILGARD ALUMINUM FRAME LOCKABLE SLIDING WINDOWS W/ TINTED DOUBLE GLAZING & INSECT SCREEN.

[illegible]

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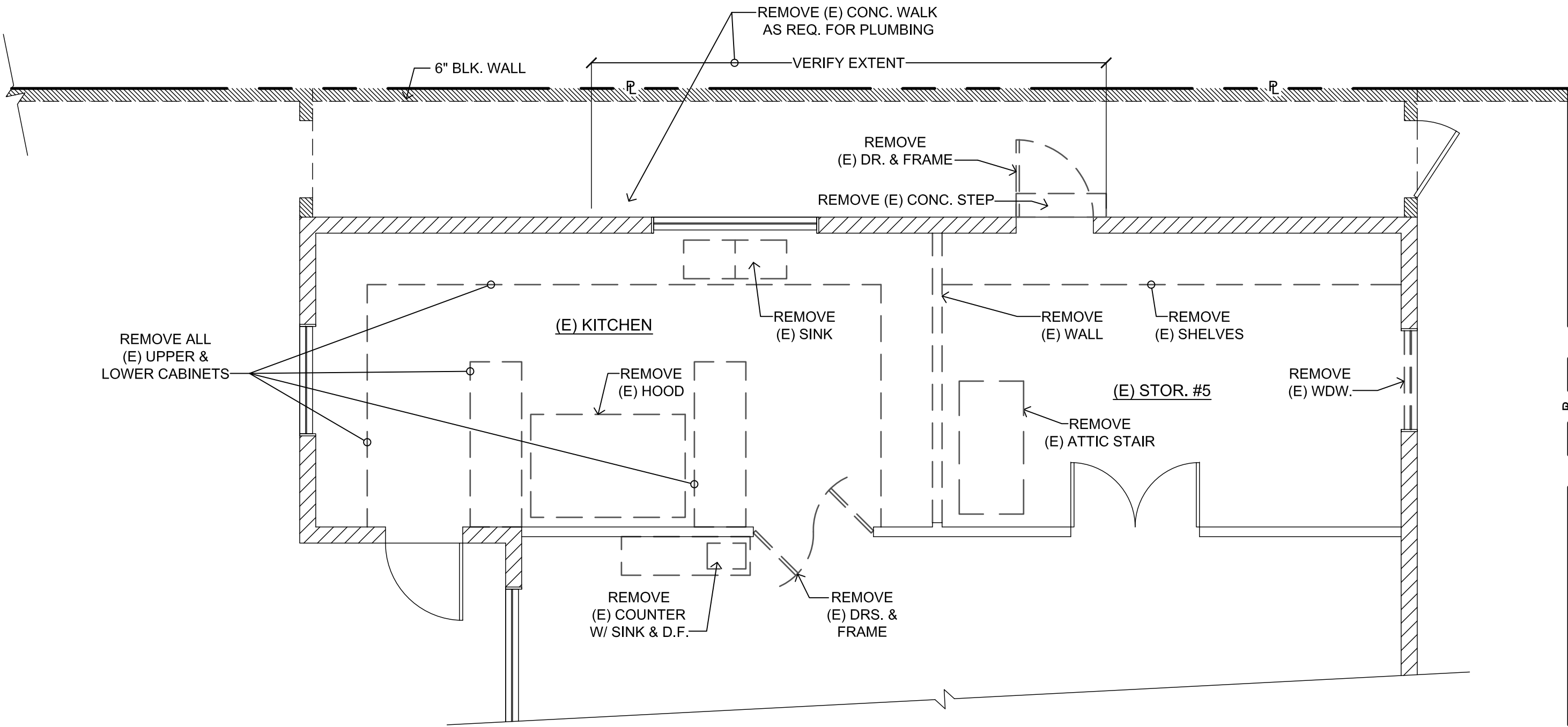
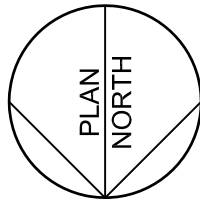
KITCHEN REMODEL
VETERAN'S HALL
SOUTH SANTA CLARA VALLEY MEMORIAL DISTRICT
74 WEST SIXTH ST.
GILROY, CA

DRAWN
CHECKED
DATE 10 FEB. 2024
SCALE AS NOTED
JOB NO. 2208
SHEET A1
OF
SHEETS

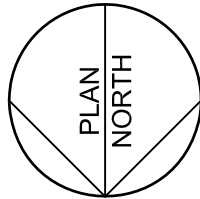


NOTE: ALL ROOF PENETRATIONS TO BE PROPERLY FLASHED TO PREVENT WATER INFILTRATION.

PARTIAL ROOF PLAN
1/4" = 1'-0"



EXISTING FLOOR / DEMO PLAN
(PROJECT AREA)
1/4" = 1'-0"



REVISIONS	BY

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A2
OF
SHEETS

EQUIPMENT SCHEDULE						
ITEM	DESCRIPTION	PLAN DIM. (WIDTH x DEPTH)	GAS / ELECT.	WATER	DRAIN	REMARKS
1	GARLAND GAS GRIDDLE	35 ⁷ / ₁₆ " x 32"		-	-	WITH STAND ON CASTERS
2	EXISTING MONTAGUE 36" GAS RANGE	36" x 33 ³ / ₄ "	120,000 BTU	-	-	
3	VULCAN VSP SERIES STOCKPOT RANGE	18" x 24 ¹ / ₂ "	110,000 BTU	-	-	WITH STAND ON CASTERS
4	TRUE T-23-HC REFRIGERATOR	27" x 29 ¹ / ₂ "	115 / 60 / 1 1/4 H.P. 2.2A	-	-	ON CASTERS
5	BEVERAGE-AIR TMF IHC FREEZER	26 ³ / ₃₂ " x 33 ³ / ₁₆ "	115 / 60 / 1 1/2 H.P. 4.73A			ON CASTERS
6	REGENCY 3-COMP. SINK	100" x 25 ¹ / ₂ "	-	H.W. & C.W.	DRAIN TO GREASE TRAP	
7	GSW HS-2017W HAND SINK	20 ¹ / ₂ " x 17 ¹ / ₂ "	-	H.W. & C.W.	DRAIN TO (E) SAN. SEWER	PROVIDE SOAP & TOWEL DISP. ADJACENT TO SINK
8	GSW SH2424IL FOOD PREP. SINK	51 ¹ / ₈ " x 30"	-	H.W. & C.W.	DRAIN TO FLR. SK.	
9	VULCAN VC4G SINGLE CONVECTION OVEN	40 ¹ / ₄ " x 37 ³ / ₄ "	50,000 BTU	-	-	ON CASTERS
10	TRUE TUC-60-HC UNDER COUNTER REFRIG.	60 ³ / ₈ " x 30 ¹ / ₈ "	115 / 60 / 1 1/4 H.P. 4.0A	-	-	ON CASTERS
11	SOLWAVE #180MW1000SS MICROWAVE	20" x 18 ¹ / ₂ "	120 / 60 / 1 1,000W 8.3A	-	-	PROVIDE S.S. SHELF; VERIFY TYPE W/ OWNER
12	REGENCY WIRE STORAGE CAGES	4'-0" x 2'-0"	-	-	-	LOCKABLE UNITS ON WHEELS
13	MOVABLE TRASH CONTAINERS					VERIFY TYPE WITH OWNER
14	STAINLESS STEEL TABLE WITH SHELF	(A) 5'-0" x 30" (B) 5'-0" x 24"	-	-	-	14B ON WHEELS
15	VENT HOOD	13'-0" x 4'-6"		-	-	
16	EXISTING WATER HEATER BRADFORD / WHITE M-2-XR7556BN	26" DIA.	76,000 BTU	EXISTING	EXISTING	INSTALL (N) RECIRCULATING PUMP ON LINE TO KITCHEN; PROVIDE SHUT OFF SWITCH IN KITCHEN. NOT SHOWN BELOW; SEE SITE PLAN (SHT. A1)
17	EXISTING MOP SINK					INSTALLED BY PREVIOUS PERMIT. NOT SHOWN BELOW; SEE SITE PLAN (SHT. A1)
18	GREASE TRAP					NOT SHOWN BELOW; SEE PLUMBING PLAN (SHT. A4)
19	ULINE STOR. CBNT. H-6316 CLEANING SUPPLIES	18" x 18"	-	-	-	LOCKABLE
20	S.S. SHELF	6'-0" x 18"	-	-	-	

FINISH SCHEDULE (VERIFY ALL COLORS W/ TENANT)									
ROOM	FLOOR	BASE	WALLS				WNSCT.	CEILING	REMARKS
			NORTH	EAST	SOUTH	WEST			
KITCHEN AREA #1	QUARRY TILE	QUARRY TILE	SEE REMARKS	FRP FULL HEIGHT			-	SMOOTH GYP. BD. PAINTED	S.S ON NORTH WALL; FULL HT. UNDER HOOD
KITCHEN AREA #2	QUARRY TILE	QUARRY TILE	FRP FULL HEIGHT				-	SMOOTH GYP. BD. PAINTED	
TABLE STORAGE	QUARRY TILE	QUARRY TILE	FRP FULL HEIGHT				-	SMOOTH GYP. BD. PAINTED	
MAIN HALL	(E)	(E)	(E)	(E)	PAINT COMPLETE WALL	(E)	-	(E)	

NOTES:

1 SMOOTH FINISH WITH SEMI-GLOSS ENAMEL.

2 VERIFY COLOR W/ TENANT & SUBMIT SAMPLE TO HEALTH DEPT. FOR APPROVAL. ALL TILE IN WALK AREAS TO BE SLIP RESISTANT.

3 ALL BASES TO BE 3/8" RADIUS COVE W/ 6" MIN. HT.

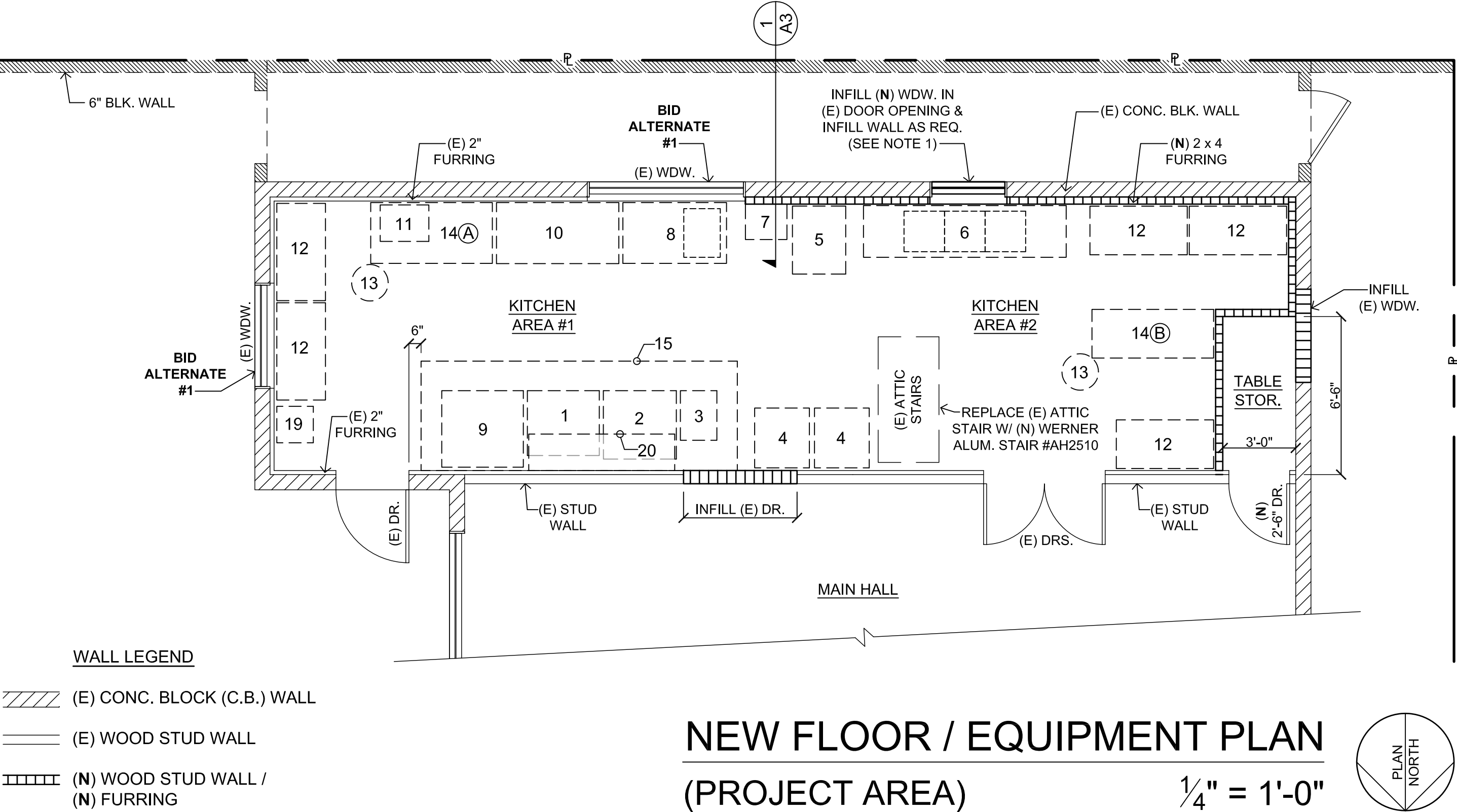
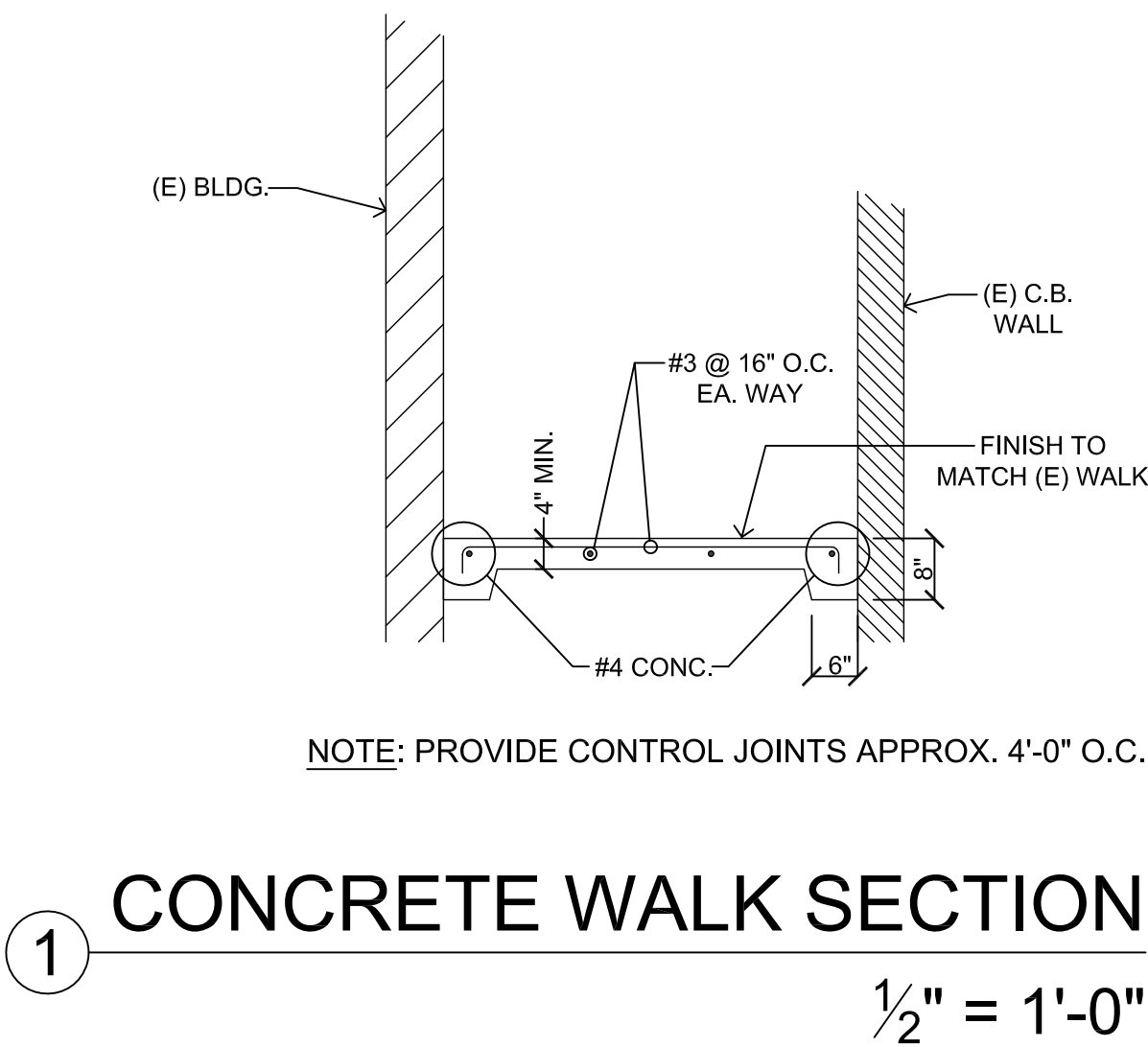
4 ALL WALLS & CEIL. WITHIN KITCHEN AREAS TO BE LIGHT COLOR (LIGHT REFLECTANCE VALUE OF 70% OR GREATER).

5 ALL GYP. BD. BEHIND FRP, TILE OR SIMILAR MATERIAL TO BE MOISTURE RESISTANT.

6 PROVIDE ALUM. RAMP TRANSITIONS MEETING A.D.A. REQ. AT ALL DOORS TO ACCOMMODATE VARIABLE HEIGHTS OF ADJACENT FLOOR FINISHES.

7 VERIFY COLOR & FINISH WITH TENANT

- NOTES:
1. (N) WINDOW WIDTH TO FIT (E) DOOR OPENING & HEIGHT TO MATCH (E) WINDOWS. WINDOW TO BE MILGARD ALUM. FRAME LOCKABLE SLIDING WINDOW W/ TINTED DOUBLE GLAZING & INSECT SCREEN.
2. REPLACE CONCRETE WALK AS REQUIRED; SEE 1 A3



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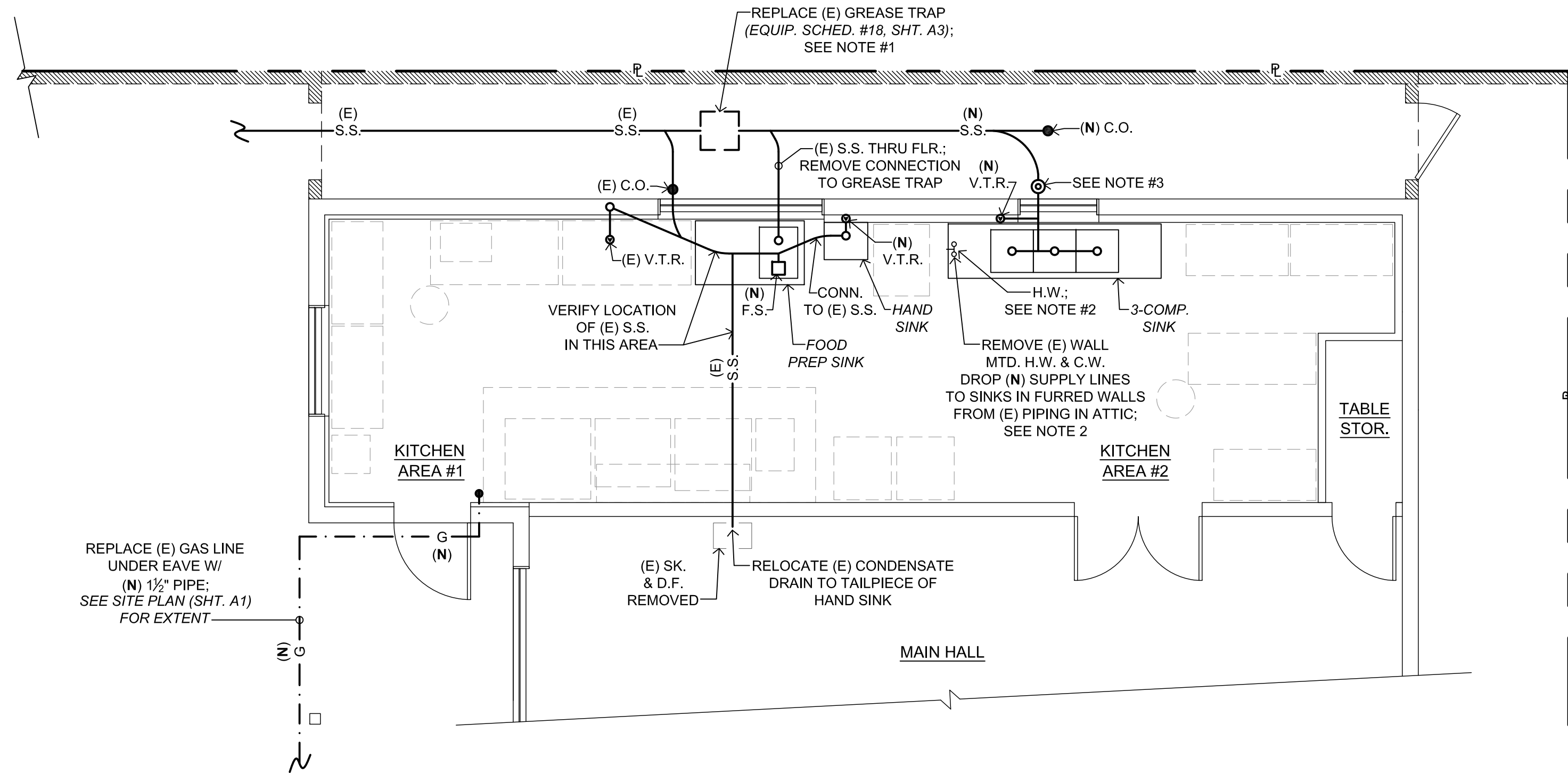
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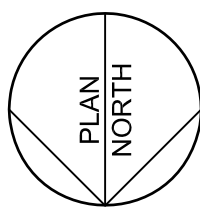
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SHEET
A3
OF SHEETS



NEW PLUMBING PLAN
(PROJ. AREA) 1/4" = 1'-0"



NOTES

1. (N) GREASE TRAP TO BE 'ASHLAND' POLY-TRAP MDL.#4820 (40# GREASE CAPACITY) W/ HD DIAMOND PLATE COVER.
2. ON (E) HOT WATER SUPPLY PROVIDE REQ. PIPING & RECIRCULATION PUMP IN ATTIC FROM (E) WATER HEATER. PROVIDE SWITCH FOR PUMP IN KITCHEN W/ INDICATOR LIGHT WHEN ON; SEE ELECT. SEE SHEET A-1 FOR (E) WATER HEATER LOCATION.
3. DRAIN FROM SINK THRU (E) DOOR OPENING AND DROP BELOW GRADE OUTSIDE WALL.
4. CONNECT (E) WATER LINE IN ATTIC TO (N) M.U.A. UNIT SHOWN ON SHEET A5.
5. CONNECT CONDENSATE DRAIN FROM (N) M.U.A. UNIT IN ATTIC TO (E) CONDENSATE DRAIN FROM (E) HVAC UNIT.

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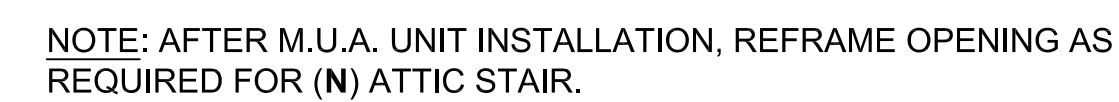
JOB NO.
2208

SHEET

A4

OF

SHEETS


$$\frac{1}{2}'' = 1'-0''$$


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SCALE AS NOTED
JOB NO. 2208
SHEET A5

A5

1. THIS PROJECT INVOLVES RENOVATION OF AND/OR INTERFACING WITH EXISTING FACILITIES. ALL REPRESENTATIONS OF EXISTING CONDITIONS ARE BASED ON OWNER-FURNISHED AS-BUILT DRAWINGS AND/OR LIMITED FIELD VERIFICATION. PRIOR TO BEGINNING CONSTRUCTION OR ORDERING EQUIPMENT, CONTRACTOR SHALL VISIT THE SITE AND PERFORM FIELD INVESTIGATIONS TO DETERMINE ACTUAL EXISTING CONDITIONS INCLUDING LOCATIONS OF UTILITIES, EQUIPMENT, AND OBSTRUCTIONS.

2. THESE DOCUMENTS MAKE NO REPRESENTATION AS TO THE EXISTENCE OR LOCATION OF EXISTING HAZARDOUS MATERIALS (INCLUDING ASBESTOS CONTAINING MATERIALS) AT THE SITE. REMOVAL OR ABATEMENT OF HAZARDOUS MATERIALS IS NOT INCLUDED IN THE SCOPE OF THIS PROJECT. SHOULD CONTRACTOR DISCOVER SUSPECTED HAZARDOUS MATERIALS AT THE SITE HE SHALL IMMEDIATELY BRING IT TO THE ATTENTION OF THE OWNER AND THE ARCHITECT PRIOR TO STARTING OR CONTINUING WORK INVOLVING THOSE MATERIALS.
3. ALL WORK SHOWN IS NEW UNLESS OTHERWISE INDICATED AS EXISTING (E), RELOCATED (RL) OR FUTURE.
4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND STANDARDS INCLUDING BUT NOT LIMITED TO 2019 CALIFORNIA MECHANICAL CODE (CMC), 2019 CALIFORNIA PLUMBING CODE (CPC), 2019 CALIFORNIA BUILDING CODE (CBC), 2016 CALIFORNIA FIRE CODE (CFC), 2019 CALIFORNIA ELECTRICAL CODE, 2019 CALIFORNIA ENERGY CODE (CAL. CFR TITLE 24, PART 6), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
5. SUBMITTALS: REFER TO SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS.

6. ALL EQUIPMENT SHALL BE MOUNTED AND ATTACHED TO STRUCTURE SO THAT IT IS RESTRAINED IN THE CASE OF A SEISMIC EVENT IN ACCORDANCE WITH THE REQUIREMENTS OF 2019 CBC.
7. RECORD DRAWINGS: CONTRACTOR SHALL SUBMIT OF AN ACCURATE RECORD DURING CONSTRUCTION OF AS-BUILT CONDITIONS ON A SET OF CONTRACT DRAWINGS. RED LINE RECORD DRAWING MARK-UPS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE WITHIN 30 DAYS OF COMPLETION OF THE PROJECT.
8. OPERATION & MAINTENANCE (O&M) MANUALS: AT COMPLETION OF PROJECT CONTRACTOR SHALL SUBMIT TO THE OWNER 1 COPIES OF O&M MANUALS WHICH SHALL INCLUDE:
 - * MFR'S O&M INSTRUCTIONS FOR ALL EQUIPMENT
 - * COPIES OF APPROVED SUBMITTAL DATA SHOWING EQUIPMENT SPECIFICATIONS, CAPACITIES, ETC.
 - * 11x17 (FOLDED) COPIES OF ALL SHOP DRAWINGS
 - * 11x17 (FOLDED) COPIES OF CONTRACT RECORD DRAWINGS

ALL O&M MANUALS SHALL BE INDEXED & BOUND IN 3 RING BINDERS WITH CLEAR LABELING & TABBED DIVIDERS.

LIGHTING FIXTURE SCHEDULE										
FIX NO.	MANUFACTURER	CATALOG NO.	LAMP TYPE	LUMENS	COLOR TEMP.	DIM	T24 WATTS	BRANCH CKT DESIGN WATTS	MOUNTING/ HEIGHT	REMARKS/ACCESSORIES
A1	METALUX	22CGTX 45HE L830	LED	4413	3000K	0-10V	40	50	SURFACE CEILING	
A1-DM	METALUX	22CGTX 45HE EL14W L830	LED	4413	3000K	0-10V	40	50	SURFACE CEILING	14W EMERG BATTERY; EM LLF = 0.3%; 1678LU
B1	LITHONIA	STL2 20L EZ1 LP830	LED	1960	3000K	N/A	20	25	SURFACE CEILING	

AFG - ABOVE FINISH GRADE/AFS - ABOVE FINISH SLAB/ASC - ABOVE SUSPENDED CEILING/AFF - ABOVE FINISH FLOOR/ARF - ABOVE RAISED FLOOR



[illegible]



- (1) CONTRACTOR TO FIELD VERIFY ALL EQUIPMENT ELECTRICAL CHARACTERISTICS.
- (2) TOGGLE TYPE MOTOR RATED DISCONNECT SWITCH, PROVIDED WITH EQUIPMENT OVERLOADS.
- (3) COMBINE WITH LIGHTING CIRCUITS.
- (4) PROVIDE EQUIP. SERVICE DISC. SWITCH IF UNIT DOES NOT HAVE INTEGRAL DISCONNECTING MEANS.
- (5) PROVIDE RECEPTACLE TO MATCH UNIT CORD.
- (6) PROVIDE MOTOR THERMAL OVERLOAD PROTECTION IF MOTOR DOES NOT HAVE MOTOR THERMAL OVERLOAD PROTECTION.
- (7) SIZE PER EQUIPMENT FULL LOAD NAMEPLATE CURRENT.
- (8) SEE ELECTRICAL PLAN.

N/A – NOT APPLICABLE.

ELECTRICAL DRAWING INDEX		
PG	SHEET	TITLE
1	E0.00	ELECTRICAL INFORMATION SHEET
2	E0.10	TITLE 24 INTERIOR
3	E2.00	LIGHTING PLAN – OVERALL
4	E2.10	LIGHTING PLAN – ENLARGED
5	E3.00	POWER PLAN – OVERALL
6	E3.10	POWER PLAN – ENLARGED
7	E3.20	POWER PLAN – ATTIC
8	E5.00	ONE-LINE
9	E5.10	PANEL SCHEDULES
10	E7.00	ELECTRICAL SPECIFICATIONS


NO SCALE


	VOLTAGE AND PHASE	120/240V, 1 PHASE PANEL
	AS NOTED PER DWGS.	240/120V, 3 PHASE PANEL
		120/208V, 1 PHASE PANEL
		208/120V, 3 PHASE PANEL
	480/277V, 3 PHASE PANEL	


 480V, 3 PHASE PANEL
 SPECIAL VOLTAGE PANEL
 EMERGENCY POWER PANEL


___	___	___	CONDUIT RUN CONCEALED IN OR UNDER SLAB OR BELOW GRADE
___	___	___	CONDUIT RUN CONCEALED IN CEILING OR WALL, U.O.N.
___	___	C	CONDUIT RUN CONCEALED IN OR UNDER SLAB OR BELOW GRADE FOR COMMUNICATION SYSTEM
___	___	E	EMERGENCY SYSTEM CIRCUITING
___	___	PA	CONDUIT RUN CONCEALED IN OR UNDER SLAB OR BELOW GRADE FOR PA SYSTEM
___	P	P	PRIMARY


— T — — CONDUIT RUN CONCEALED IN OR UNDER SLAB OR BELOW GRADE FOR TELEPHONE SYSTEM
 —————> HOME RUN TO POWER SOURCE
 ● CONDUIT TURN DOWN
 ○ CONDUIT TURN UP
 ——— GROUND CONDUCTOR
 ——— NEUTRAL CONDUCTOR
 ——— POWER CONDUCTORS
 ——— LOW VOLTAGE CONTROL CONDUCTORS
 1 1/2" ——— CONDUIT SIZE


 SINGLE POLE SWITCH, # +6* U.O.N.
 0 - CIRCUIT # +6* SWITCHING
 2 - DOUBLE POLE
 3 - 3 WAY
 4 - 4 WAY


 DUPLEX RECEPT, NEMA 5-20R, +18* U.O.N.

 FOUR-PLEX RECEPT, NEMA 5-20R, +18* U.O.N.


 DUPLEX RECEPT, W/GROUND FAULT INTERRUPTER
 +44*, U.O.N.


 ROOF/CEILING RECEPT/DROP RECEPT


 FLOOR RECEPTACLE


 POWER PACK


A.C. MOTOR GENERAL SYMBOL


 A.C. MOTOR GENERAL SYMBOL


 SAFETY SWITCH, SIZE AS NOTE


 MAGNETIC STARTER



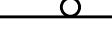






 COMBINATION STARTER

 MANUAL STARTER


 DISTRIBUTION TRANSFORMER
P - PRIMARY
S - SECONDARY


 BOX SIZE


 PULL BOX
POWER; TEL; COMMUNICATION




	FLUORESCENT FIXTURE, RECESSED IN CEILING
	FLUORESCENT FIXTURE, SURFACE OR PENDANT MOUNTED
	FLUORESCENT FIXTURE, WALL MOUNTED
	FLUORESCENT STRIP, SURFACE, PENDANT, OR WALL MOUNTED AS NOTED.
	NL NL= NIGHT LIGHT
	EM EM= EMERGENCY LIGHT
	LIGHT FIXTURE
	EMERGENCY BATTERY POWERED LIGHT
	EXIT SIGN, WITH DIRECTIONAL ARROWS AS SHOWN


LEGEND


 SINGLE POLE SWITCH, +48° U.O.N.
a - CIRCUIT # & SWITCHING





 DOUBLE POLE
1 - 3 WAY
2 - 4 WAY

 LIGHTING CONTROL STATION

 OS = OCCUPANCY SENSOR
 DS = DAYLIGHT SENSOR
 IR = INFRARED SENSOR

 SINGLE OR DUAL SWITCH
OCCUPANCY SENSOR

 RCX
ROOM CONTROL REFERENCE NUMBER

	LIGHT FIXTURE TAG
	MECHANICAL EQUIPMENT TAG
	COMPLY WITH LETTER OR NUMBER NOTE ON SHEET
	SEE DETAIL 8, SHEET E4

XXXXY FEEDER IDENTIFICATION TAG

XXX=FEEDER:
YY=

P-PRIMARY POWER
S-SECONDARY POWER
E-ELECTRIC POWER
EM-EMERGENCY POWER
T-TELCO SERVICE
TD-TELCO DATA
CA-CABLE SERVICE

A - AMP
ADMIN - ADMINISTRATION
AFF - ABOVE FINISHED FLOOR
AFG - ABOVE FINISHED GRADE
AFS - ABOVE FINISHED SLAB
AL - ALUMINUM
ARCH - ARCHITECT
ARF - ABOVE RAISED FLOOR
ASC - ABOVE SUSPENDED CEILING
BD - BOARD
BLDG - BUILDING
C - CONDUIT
CKT - CIRCUIT
CO - CONDUIT ONLY
CONC - CONCRETE
CONN - CONNECT
CU - COPPER
DISC - DISCONNECT
DWG - DRAWING
(E) - EXISTING
ELEC - ELECTRICAL
EM - EMERGENCY
EP - EXPLOSION PROOF

EQUIP - EQUIPMENT
ES - ENERGY SAVING
EXIST - EXISTING
FIRE - FIRE
FACP - FIRE ALARM CONTROL
FIRE ALARM PANEL
FDR - FEEDER
GND - GROUND
HP - HORSEPOWER
MAX - MAXIMUM
MECH - MECHANICAL
MFG - MANUFACTURER
MIN - MINIMUM
MSB - MAIN SWITCH BOARD
MTG - MOUNTING
N - NEW
NL - NIGHT LIGHT
(NL) - NEW LOCATION
NFD5 - NON-FUSED DISC. SWITCH
OVERLAD
PB - PULL BOX
P.O.C - POINT OF CONNECTING
PGAF - PACIFIC GAS AND ELECTRIC

QTY - QUANTITY
(R) - REMOVE
(RL) - RELOCATE
RGS - RIGID GALVANIZED STEEL
(RRE) - REMOVE AND REPLACE EXISTING
(RRN) - REMOVE AND REPLACE NEW
SCH - SCHEDULE
STRUCT - STRUCTURAL
SW - SWITCH
WBD - SWITCHBOARD
SYM - SYMMETRICAL
SYS - SYSTEM
TELE - TELEPHONE
TERM - TERMINAL
TRANS - TRANSFORMER
TYP - TYPICAL
UG - UNDERGROUND
UON - UNLESS OTHERWISE NOTED
VF - VERIFY IN FIELD
V - VOLTS
WP - WEATHERPROOF
WRGS - WRAPPED RIGID GALVANIZED STEEL
Ø - PHASE

NOTE: DIMENSIONS TO CENTERLINE, UNLESS OTHERWISE NOTED.

[illegible]

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KITCHEN REMODEL
VETERAN'S HALL
SOUTH SANTA CLARA VALLEY MEMORIAL DISTRICT
74 WEST SIXTH ST.
GILROY, CA

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STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: Vets Hall Gilroy KITCHEN REMODEL

Report Page: (Page 1 of 7)

Date Prepared: 2024-01-31T13:26:40-05:00

A. GENERAL INFORMATION

01 Project Location (city)

gilroy

04 Total Conditioned Floor Area (ft²)

451.58

02 Climate Zone

4

05 Total Unconditioned Floor Area (ft²)

0

03 Occupancy Types Within Project (select all that apply):

06 # of Stories (Habitable Above Grade)

1

★ Restaurant

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work

Conditioned Spaces

Unconditioned Spaces

01

02

03

04

05

My Project Consists of (check all that apply):

Calculation Method

Area (ft²)

Calculation Method

Area (ft²)

☐ New Lighting System

N/A

0

N/A

0

☐ New Lighting System - Parking Garage

N/A

0

N/A

0

☒ Altered Lighting System

Area Category Method

451.58

N/A

0

Total Area of Work (ft²)

451.58

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Report Page: (Page 2 of 7)

Date Prepared: 2024-01-31T13:26:40-05:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)

Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)

Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)

Compliance Results

01

02

03

04

05

06

07

08

09

Complete Building 140.6(c)1

Area Category Additional 140.6(c)2 / 170.2(e)4

Area Category 140.6(c)2G / 170.2(e)4Av

Tailored 140.6(c)3 / 170.2(e)4B (+)

=

Total Allowed (Watts)

≥

Total Designed (Watts)

PAF Lighting Control Credits 140.6(a)7 / 170.2(e)1B (-)

=

Total Adjusted (Watts) *Includes Adjustments

05 must be >= 08 140.6 / 170.2(e)

Conditioned

Unconditioned

COMPLIES

COMPLIES

Rated Power Reduction Compliance (See Table Q for Details)

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

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Report Page: (Page 3 of 7)

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F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01

02

03

04

05

06

07

08

09

10

Name or Item Tag

Complete Luminaire Description

Modular (Track) Fixture

Small Aperture & Color Change¹

Watts per luminaire²

How is Wattage determined

Total Number of Luminaires

Excluded per 140.6(a)3 / 170.2(e)2C

Design Watts

Field Inspector

A1

CGTX 2X2

No

NA

40

Mfr. Spec

10

No

400

Pass

Fail

B1

STL2

No

NA

20

Mfr. Spec

1

No

20

Pass

Fail

Total Designed Watts: CONDITIONED SPACES

420

¹FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

²Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01

02

03

Mandatory Demand Response 110.12(c)

Shut-off controls 130.1(c) / 160.5(b)4C

Field Inspector

NA < 4,000W subject to multilevel

See Area/Space Level Controls

Pass

Fail

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H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04

05

06

07

08

09

10

11

12

Area Description

Complete Building or Area Category Primary Function Area

Manual Area Controls 130.1(a) / 160.5(b)4A

Multi-Level Controls 130.1(b) / 160.5(b)4B

Shut-Off Controls 130.1(c) // 160.5(b)4C

Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D

Secondary Daylighting 130.1(e)1 / 160.5(b)4D

Interlocked Systems 140.6(a)1 / 170.2(e)2A

Field Inspector

FOOD PREP 1

Kitchen/ Food Preparation

Readily Accessible

Dimmer

Occupancy Sensor

NA: General Ltg < 120W

NA: General Ltg < 120W

No

Pass

Fail

FOOD PREP 2

Kitchen/ Food Preparation

Readily Accessible

Dimmer

Occupancy Sensor

NA: General Ltg < 120W

NA: General Ltg < 120W

No

Pass

Fail

STORAGE

Storage - MF common areas

Readily Accessible

NA: Enclosed area <100SF

Occupancy Sensor

NA: Not daylight zone

NA: Not daylight zone

No

Pass

Fail

13

Plan Sheet Showing Daylit Zones:

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01

02

03

04

05

06

Area Description

Complete Building or Area Category Primary Function Area

Allowed Density (W/ft²)

Area (ft²)

Allowed Wattage (Watts)

Additional Allowance / Adjustment Area Category

PAF

FOOD PREP 1

Kitchen/ Food Preparation

0.95

278.7

264.77

No

No

FOOD PREP 2

Kitchen/ Food Preparation

0.95

187.6

178.22

No

No

STORAGE

Storage - MF common areas

0.45

21.5

9.68

No

No

TOTALS:

487.8

452.67

See Tables J, or P for detail

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J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

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R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title

NRCL-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

Form/Title

NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.

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Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: Vets Hall Gilroy KITCHEN REMODEL

Report Page: (Page 7 of 7)

Date Prepared: 2024-01-31T13:26:40-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: David Smith, P.E.

Signature Date: 02-06-2024

Company: CENTRAL PACIFIC ENGINEERING, INC

CEA/ HERS Certification Identification (if applicable):

City/State/Zip:

Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: David Smith, P.E.

Responsible Designer Signature: David Smith

Company: CENTRAL PACIFIC ENGINEERING, INC

Date Signed: 02-06-2024

Address:

License:

City/State/Zip:

Phone:

Generated Date/Time:

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VETERAN'S HALL

SOUTH SANTA CLARA VALLEY MEMORIAL DISTRICT

74 WEST SIXTH ST.

GILROY, CA

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DATE

SCALE

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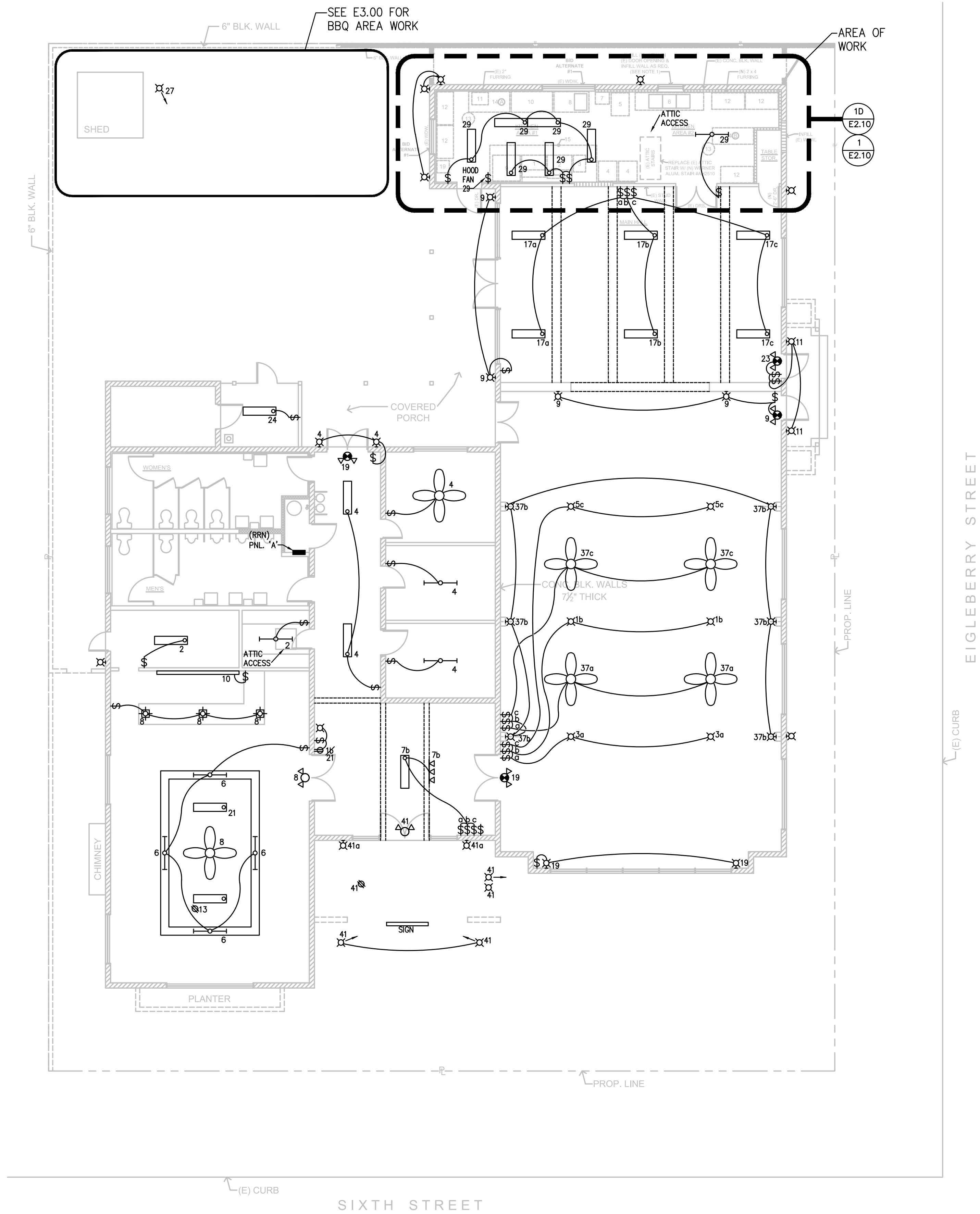
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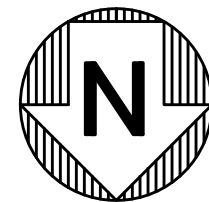
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1 LIGHTING PLAN - OVERALL
SCALE: 1/8" = 1'-0"

8 0 8 16
SCALE: 1" = 8'-0"



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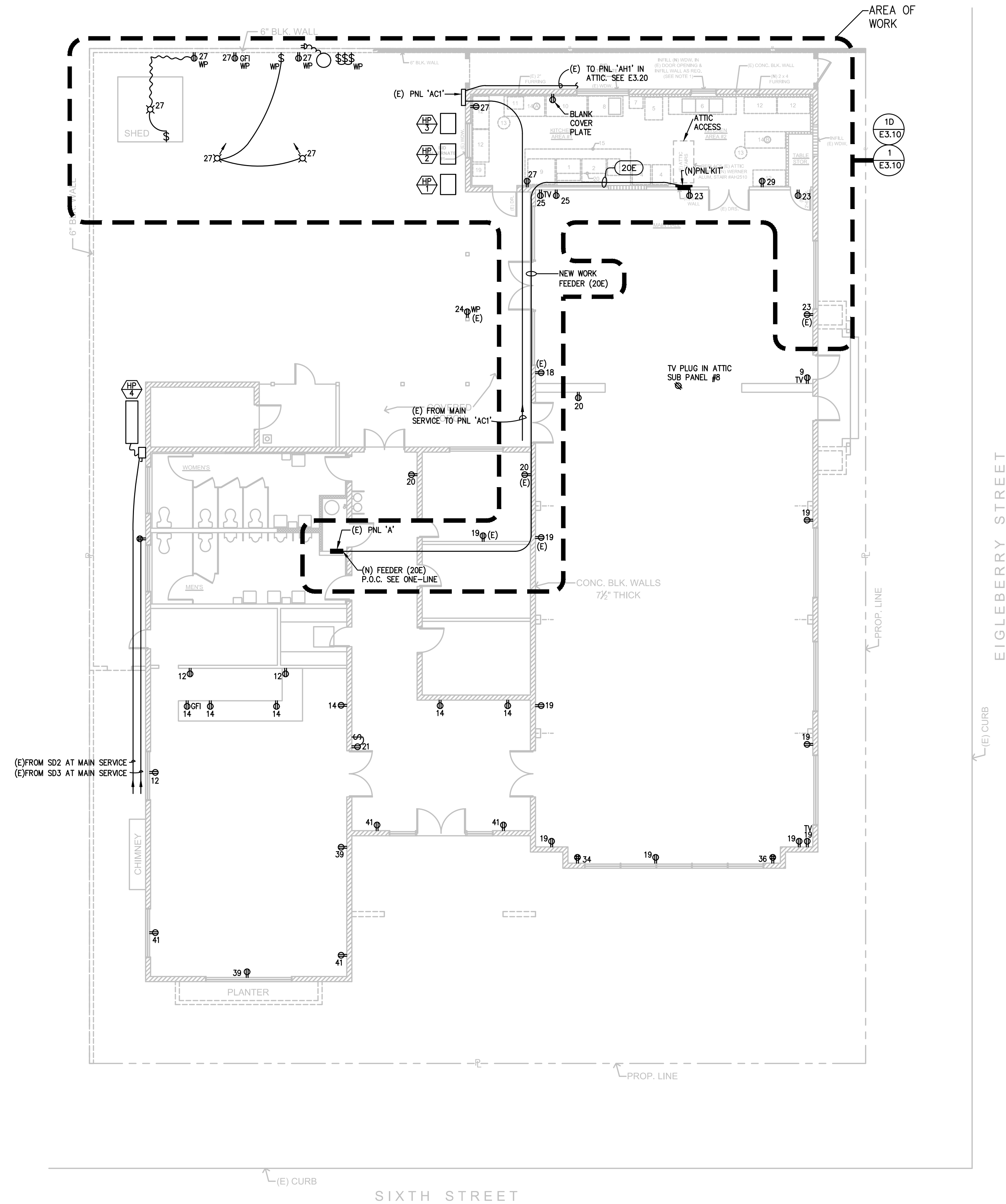
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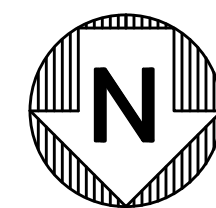
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1 POWER PLAN — OVERALL
SCALE: 1/8" = 1'-0"

8 0 8 16
SCALE: 1" = 8'-0"



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GENERAL DEMOLITION NOTES:

1. REMOVE ALL ELECTRICAL CONDUIT, WIRE, BOXES, FIXTURES, PANELS, ETC, ETC, BACK TO LAST ACTIVE J-BOX.
2. THE INTENT OF THESE DRAWINGS IS TO PROVIDE THE CONTRACTOR WITH GENERAL REMOVAL WORK TO BE PROVIDED. EXISTING SITE CONDITIONS MAY EXIST SUCH THAT ACTUAL QUANTITIES ARE DIFFERENT FROM THESE DOCUMENTS. THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS AT NO ADDITIONAL COST TO OWNER TO PROVIDE COMPLETE RENOVATION AS SHOWN WITHIN THESE AND ASSOCIATED CONSTRUCTION DOCUMENTS. ALL MAJOR ADJUSTMENTS SHALL BE PROVIDED TO THE ENGINEER IN WRITING FOR REVIEW AND COMMENT.
3. CONTRACTOR TO COORDINATE ALL DEMOLITION WORK WITH THE CONSTRUCTION WORK REQUIREMENTS.
4. CONTRACTOR TO REMOVE ALL UNUSED CONDUCTORS, CONDUITS AND ASSOCIATED HARDWARE.
5. CONTRACTOR TO REVIEW MECHANICAL AND OTHER CONSTRUCTION DRAWINGS FOR MECHANICAL AND OTHER EQUIPMENT TO BE REMOVED. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ASSOCIATED ELECTRICAL TO THESE UNITS.

GENERAL CONSTRUCTION NOTES:

1. FOOD PREP AREA'S & RESTROOMS. ALL SINGLE PHASE RECEPTACLES RATED 150V TO GROUND OR LESS SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL.

SHEET NOTES:

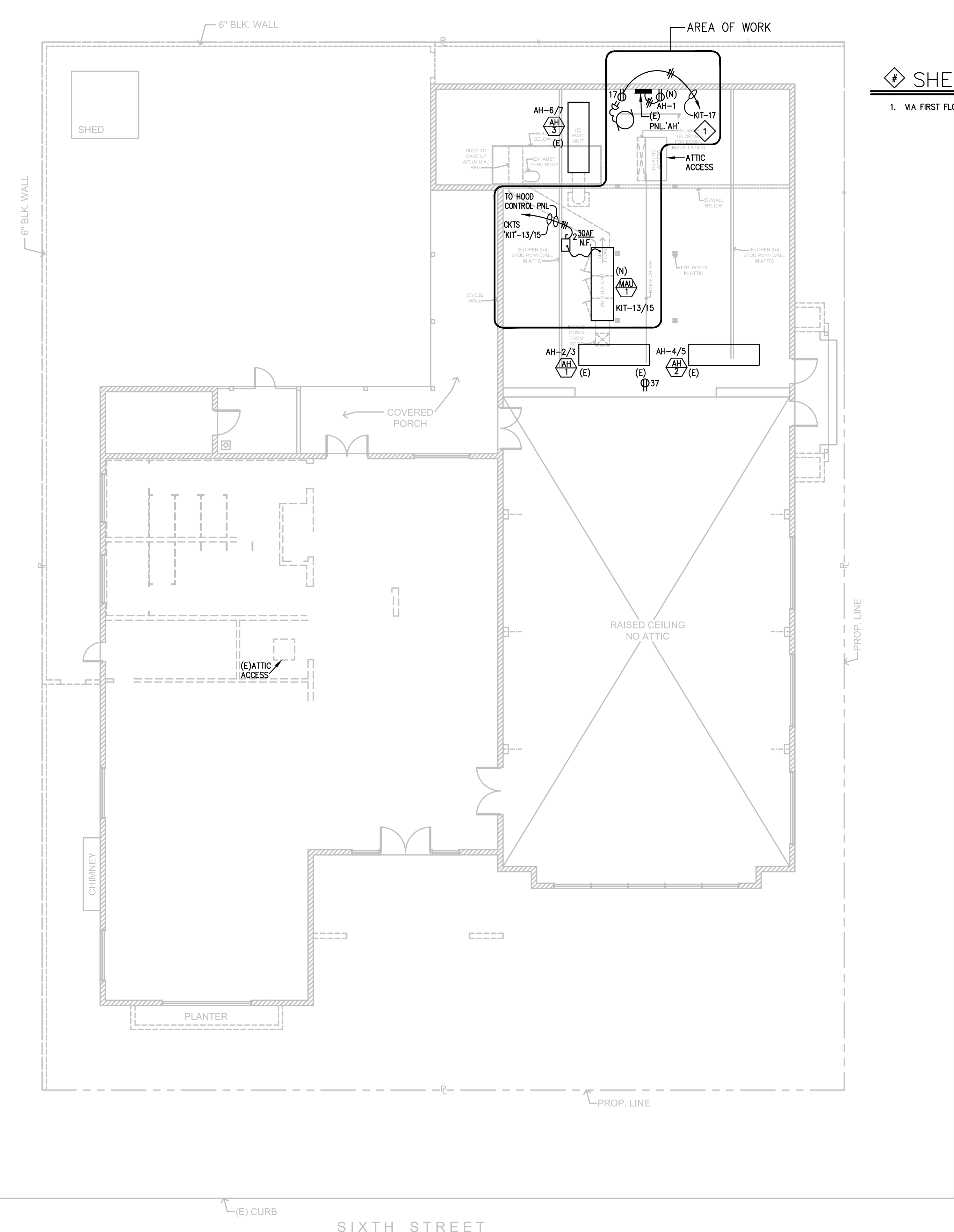
1. PROVIDE NEW HOME RUN TO PANEL 'KIT', WITH CKTS 18, 19, 20, 22, 24
2. REMIRE EXISTING BBO AREA TO NEW ASSIGNED CKTS, REPLACE WIRING AS REQUIRED.

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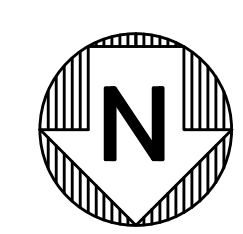
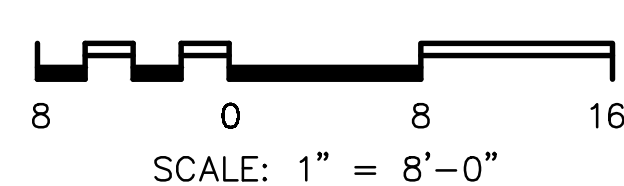
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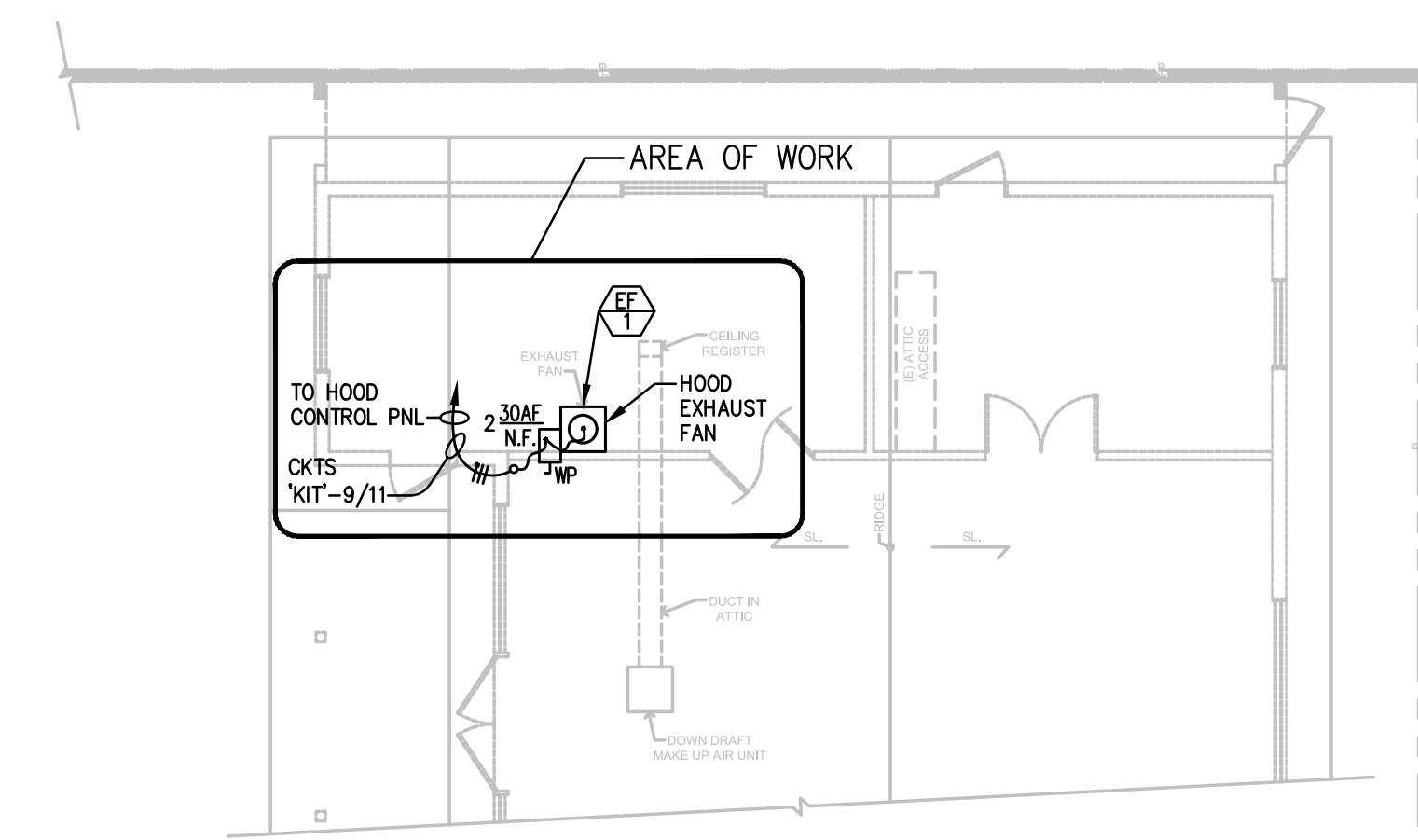
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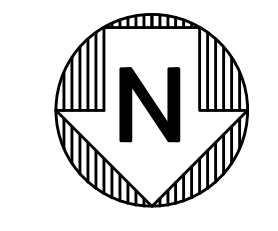
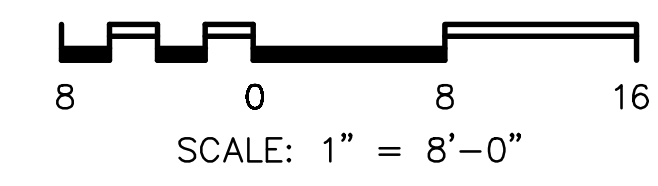
1 ATTIC POWER PLAN - OVERALL
SCALE: 1/8" = 1'-0"



SHEET NOTES:
1. VIA FIRST FLOOR WALL SWITCH BY (E) DBL. DOORS. SEE DETAIL 1/E2.10



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



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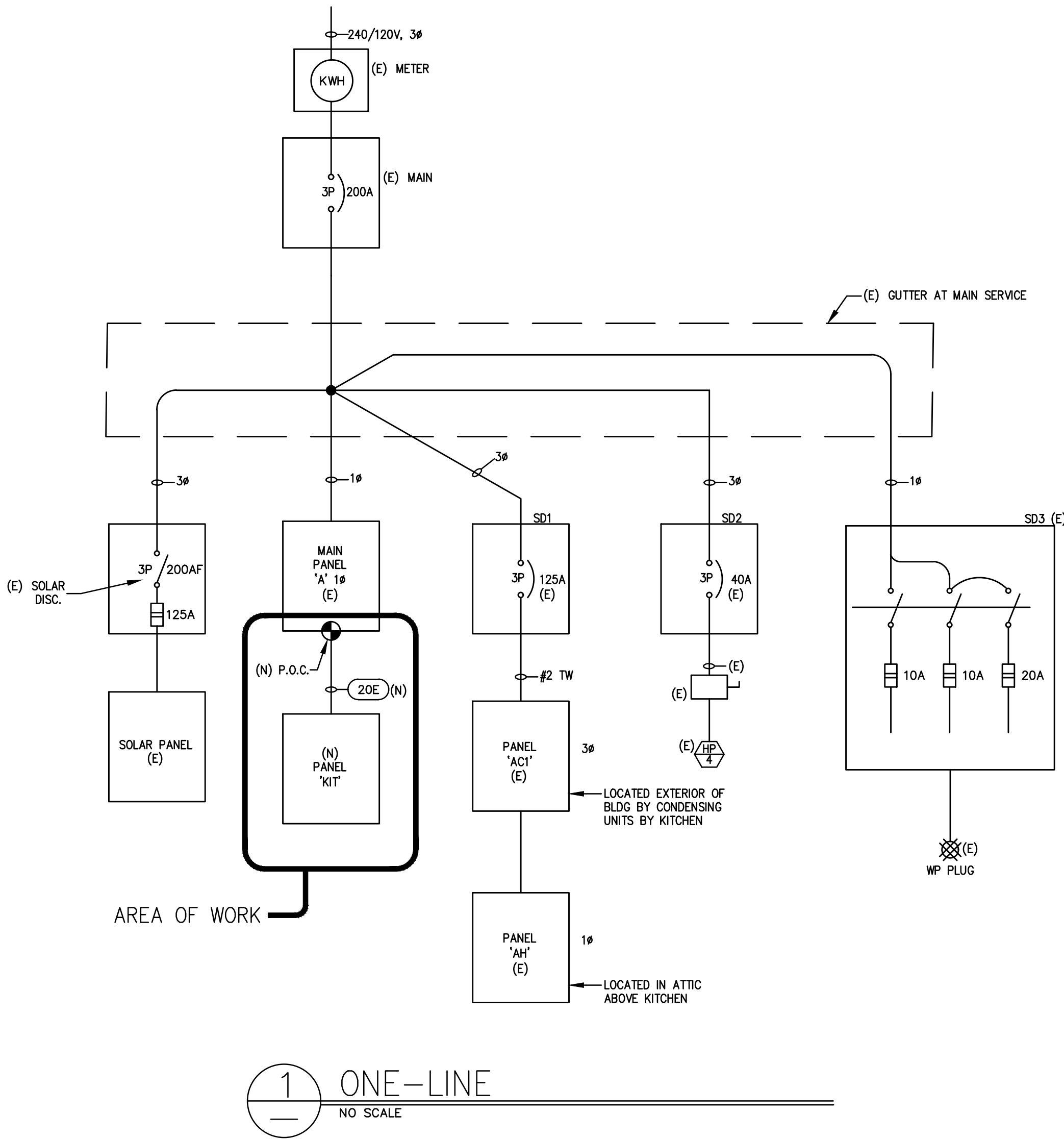
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OF SHEETS

FEEDER SCHEDULE							
MARK	WIRE		CONDUIT		ESTIMATED FEEDER LENGTH	FEEDER SEGMENT VOLTAGE DROP (V)	FEEDER SEGMENT VOLTAGE DROP (%)
	SIZE	TYPE	SIZE	TYPE			
20E	3-#10U + #6CU GND	THHN/THWN	2"	EMT	105	1.94	0.81%
NOTE: ALL WIRE TO BE CU UNLESS OTHERWISE NOTED.							



PROPRIETARY DATA

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23-045-0

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DATE
SCALE AS NOTED
JOB NO.
SHEET
E5.00
OF SHEETS

EXISTING PANELS

PANEL NAME: (E) A		LOCATION: CLOSET		PANEL TYPE: <input checked="" type="checkbox"/> PANEL BOARD <input type="checkbox"/> LOAD CENTER	
VOLTAGE: 120/240		BUS RATING: 400		1 PHASE 3 WIRE + GND.	
SHORT CIR RATING: 22 KAIC		BUS TYPE: <input checked="" type="checkbox"/> COPPER <input type="checkbox"/> ALUMINUM		ENCLOSURE TYPE: NEMA 1 MOUNTING: <input checked="" type="checkbox"/> SURFACE <input checked="" type="checkbox"/> FLUSH	
O.C. DEVICES: <input checked="" type="checkbox"/> BOLT-ON <input type="checkbox"/> PLUG-ON		DEVICE FAMILY:		<input type="checkbox"/> SUB-FEED CIRCUIT BREAKER	

DESCRIPTION	CT	BR	VOLT ΦA ΦB	AMPS ΦC	BRK.	CKT NO.	BUS CONN. A B	CT	BR	VOLT ΦA ΦB	AMPS ΦC	BRK.	CKT NO.	BUS CONN. A B	DESCRIPTION
MAIN ROOM LIGHTS	X		200	20	1	2	20	180	X	X	SECURITY PLUG & STORAGE LTS				
MAIN ROOM LIGHTS	X		200	20	3	4	20	250	X	X	HALLWAY OFFICE STORAGE LIGHTS				
MAIN ROOM LIGHTS	X		200	20	5	6	20	200	X	X	BAR LIGHTS				
ENTRY LIGHTS	X		300	20	7	8	20	200	X	X	BAR CAN LIGHTS				
DINING HALL TV RECEIPT	X		250	20	9	10	20	40	X	X	BAR PLUG/ BOTTLE UPLIGHT				
EXISTING LOAD	X		500	20	11	12	20	720	X	X	BAR ROOM PLUGS EXT. LTS.				
ATTIC SERVICE LIGHTS	X		150	20	13	14	20	900	X	X	BAR / LOBBY PLUGS				
BACK BAR	X		360	20	15	16	20	500	X	X	EXISTING LOAD				
DINING HALL LIGHTS	X		450	20	17	18	20	360	X	X	DINING HALL REFER PLUG				
MAIN ROOM PLUGS & SCONCES	X	X	1200	20	19	20	20	360	X	X	OFFICE AND PLUG IN MAIN ROOM				
DISPLAY, LOBBY	X		600	20	21	22	20	800	X	X	BACK BAR COOLERS				
BACK BAR RM PLUGS	X		180	20	23	24	20	360	X	X	OUTSIDE REFER PLUG AND GFI				
DINING HALL PLUGS	X		720	20	25	26	20	180	X	X	BACK BAR PLUG				
BBQ KITCHEN PLUGS	X		640	20	27	28	20	1800	X	X	ICE MACHINE OUTSIDE				
KITCHEN LIGHTS	X		600	20	29	30					SPACE				
EXIST LOAD	X		500	20	31	32					SPACE				
EXIST LOAD	X		500	20	33	34	20	360	X	X	DEDICATED PLUGS FOR A/V				
BACK BAR RM PLUG	X		180	20	35	36	20	360	X	X	DEDICATED PLUGS FOR A/V				
MAIN ROOM FANS	X		800	20	37	38	20	200	X	X	RESTROOM LIGHTING				
FRONT BAR WALL PLUGS	X		1600	20	39	40					SPACE				
FRONT BAR WALL PLUGS & FRONT EXT LTS	X	X	1600	20	41	42	20	500	X	X	EXISTING LOAD				
SECURITY ALARM	X		250	20	43	44					SPACE				
SPACE					45	46					SPACE				
SPACE					47	48					SPACE				
SPACE					49	50					SPACE				
SPACE					51	52					SPACE				
SPACE					53	54					SPACE				
SPACE					55	56					SPACE				
SPACE					57	58					SPACE				
SPACE					59	60					SPACE				
SPACE					61	62					SPACE				
SPACE					63	64					SPACE				
SPACE					65	66					SPACE				
SPACE					67	68					SPACE				
SPACE					69	70					SPACE				
SPACE					71	72					SPACE				
SPACE					73	74					SPACE				
SPACE					75	76					SPACE				
SPACE					77	78					SPACE				
SPACE					79	80					SPACE				
KIT PANEL	X		8123	100	81	82					SPACE				
KIT PANEL	X		7195	-	83	84					SPACE				
TOTALS			13265	14033				3720		4550					
BUS A 17.0 KVA		ACCESSORIES:		COLOR		COVER		NAME PLATES		OTHER					
BUS B 18.6 KVA		EITHER:		<input checked="" type="checkbox"/> ANSI 61 LT GRAY		<input checked="" type="checkbox"/> DOOR-IN-DOOR		<input checked="" type="checkbox"/> 1/4" LETTERS		<input checked="" type="checkbox"/> GROUND BAR					
TOTAL 35.6 KVA				<input type="checkbox"/> ANSI 49 DK GRAY		<input checked="" type="checkbox"/> KEYED LATCH		<input checked="" type="checkbox"/> WHITE LETTERS ON BLACK		<input checked="" type="checkbox"/> PNL DIRECTORY					
				<input type="checkbox"/> OTHER:		<input type="checkbox"/> OTHER:		<input checked="" type="checkbox"/> SCREW MOUNTED		<input type="checkbox"/> ISO GROUND BAR					

NEW WORK

NEW WORK

PANEL NAME: (E) AH		LOCATION: KITCHEN ATTIC		PANEL TYPE: <input type="checkbox"/> PANEL BOARD <input checked="" type="checkbox"/> LOAD CENTER	
VOLTAGE: 240		BUS RATING: 100		1 PHASE 2 WIRE + GND.	
SHORT CIR RATING: 10 KAIC		BUS TYPE: <input type="checkbox"/> COPPER <input checked="" type="checkbox"/> ALUMINUM		ENCLOSURE TYPE: NEMA 1 MOUNTING: <input checked="" type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH	
O.C. DEVICES: <input type="checkbox"/> BOLT-ON <input checked="" type="checkbox"/> PLUG-ON		DEVICE FAMILY:		<input type="checkbox"/> SUB-FEED CIRCUIT BREAKER	

DESCRIPTION	CT	BR	VOLT ΦA ΦB	AMPS ΦC	BRK.	CKT NO.	BUS CONN. A B
ATTIC SERVICE RECEIPT	X		240	20	1	2	
AH1	X		900	15	2	3	
AH1	X		900	-	3	4	
AH2	X		900	15	4	5	
AH2	X		900	-	5	6	
AH3	X		900	15	6	7	
AH3	X		900	-	7	8	
SPACE					8		
TOTALS			2940	2700			
BUS A 3.0 KVA							
BUS B 2.7 KVA							
TOTAL 5.7 KVA							

PANEL NAME: (E) AC1		LOCATION: PATIO		PANEL TYPE: <input checked="" type="checkbox"/> PANEL BOARD <input type="checkbox"/> LOAD CENTER	
VOLTAGE: 240/120		BUS RATING: 125		3 PHASE 4 WIRE + GND.	
SHORT CIR RATING:		BUS TYPE: <input type="checkbox"/> COPPER <input checked="" type="checkbox"/> ALUMINUM		ENCLOSURE TYPE: NEMA 3R MOUNTING: <input checked="" type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH	
O.C. DEVICES: <input type="checkbox"/> BOLT-ON <input checked="" type="checkbox"/> PLUG-ON		DEVICE FAMILY:		<input type="checkbox"/> SUB-FEED CIRCUIT BREAKER - SEE ONE LINE	

DESCRIPTION	CT	BR	VOLT ΦA ΦB ΦC	AMPS ΦC	BRK.	CKT NO.	BUS CONN. A B C	CT	BR	VOLT ΦA ΦB ΦC	AMPS ΦC	BRK.	CKT NO.	BUS CONN. A B C	DESCRIPTION
HP1	X		4008		40	1	2	30	3456			X	HP3		
HP1	X		4008		-	3	4	-	3456			X	HP3		
HP2	X			4008	40	5	6	30		2700		X	AH SUB		
HP2	X		4008		-	7	8	-	2700			X	AH SUB		
SPACE					9	10							SPACE		
SPACE					11	12							SPACE		
TOTALS			8016	4008	4008			6156	3456	2700					
BUS A 14.2 KVA															
BUS B 7.5 KVA															
BUS C 6.8 KVA															
TOTAL 28.5 KVA															

'B' PHASE
HIGH-LEG

CONST PANELS

PANEL NAME: KIT		LOCATION: KIT #2		PANEL TYPE: <input checked="" type="checkbox"/> PANEL BOARD <input type="checkbox"/> LOAD CENTER	
VOLTAGE: 120/240		BUS RATING: 200		1 PHASE 3 WIRE + GND.	
SHORT CIR RATING: 10 KAIC		BUS TYPE: <input checked="" type="checkbox"/> COPPER <input type="checkbox"/> ALUMINUM		ENCLOSURE TYPE: NEMA 1 MOUNTING: <input type="checkbox"/> SURFACE <input checked="" type="checkbox"/> FLUSH	
O.C. DEVICES: <input checked="" type="checkbox"/> BOLT-ON <input type="checkbox"/> PLUG-ON		DEVICE FAMILY:		<input type="checkbox"/> SUB-FEED CIRCUIT BREAKER	

DESCRIPTION	CT	BR	VOLT ΦA ΦB	AMPS ΦC	BRK.	CKT NO.	BUS CONN. A B	CT	BR	VOLT ΦA ΦB	AMPS ΦC	BRK.	CKT NO.	BUS CONN. A B	DESCRIPTION
EQ-4A REFER	X		253	20	1	2	20	360	X	X	GFI RECPT.				
EQ-4B REFER	X		253	20	3	4	20	360	X	X	GFI RECPT.				
EQ-10 REFER	X		748	20	5	6	20	360	X	X	GFI RECPT.				
GFI RECPT.	X		360	20	7	8	20	1200	X	X	MICROWAVE				
EF-1 HOOD	X		2040	30	9	10	20	924	X	X	CONVECTION OVEN				
EF-1 HOOD	X		2040	-	11	12	ST	0	X	X	CKT 10 - SHUNT TRIP				
MAU-1	X		1140	20	13	14	20	550	X	X	HOOD CONTROLS				
MAU-1	X		1140	-	15	16	20	550	X	X	LIGHTS				
CIRC PUMP	X		100	20	17	18	20	360	X	X	OUTDOOR KIT PLUGS				
WATER HEATER	X		1500	20	19	20	20	360	X	X	OUTDOOR KIT PLUGS				
SPACE					21	22	20	360	X	X	OUTDOOR KIT PLUGS				
SPACE					23	24	20	360	X	X	OUTDOOR KIT LIGHTS				
SPACE					25	26					SPACE				
SPACE					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				
TOTALS			4281	5293				2914	2830						
BUS A 7.2 KVA		ACCESSORIES:		COLOR		COVER		NAME PLATES		OTHER					
BUS B 8.2 KVA		EITHER:		<input checked="" type="checkbox"/> ANSI 61 LT GRAY		<input checked="" type="checkbox"/> DOOR-IN-DOOR		<input checked="" type="checkbox"/> 1/4" LETTERS		<input checked="" type="checkbox"/> GROUND BAR					
TOTAL 15.4 KVA				<input type="checkbox"/> ANSI 49 DK GRAY		<input checked="" type="checkbox"/> KEYED LATCH		<input checked="" type="checkbox"/> WHITE LETTERS ON BLACK		<input checked="" type="checkbox"/> PNL DIRECTORY					
				<input type="checkbox"/> OTHER:		<input type="checkbox"/> OTHER:		<input checked="" type="checkbox"/> SCREW MOUNTED		<input type="checkbox"/> ISO GROUND BAR					

NEW WORK

REVISIONS	BY

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BASIC ELECTRICAL REQUIREMENTS
SECTION 260000

1. PART 1 GENERAL

1.1 SECTION INCLUDES

A. BASIC ELECTRICAL REQUIREMENTS SPECIFICALLY APPLICABLE TO DIVISION 16 SECTIONS, IN ADDITION TO DIVISION 1 - GENERAL REQUIREMENTS.

B. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS TOOLS, TRANSPORTATION, EQUIPMENT, SERVICES, AND FACILITIES REQUIRED FOR THE COMPLETE AND PROPER INSTALLATION OF ALL ELECTRICAL WORK SHOWN ON THE DRAWINGS AND/OR OUTLINED IN THESE SPECIFICATIONS. WORK SHALL INCLUDE ALL MATERIALS, APPLIANCES, AND APPARATUS NOT SPECIFICALLY MENTIONED HEREIN OR NOTED ON THE PLANS BUT NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION OF ALL ELECTRICAL SYSTEMS SHOWN OR DESCRIBED HEREIN.

1.2 WORK SEQUENCE

A. INSTALL WORK IN STAGES DURING THE CONSTRUCTION PERIOD AND COORDINATE ELECTRICAL SCHEDULE AND OPERATIONS WITH OTHER CONTRACTORS DURING WORK OF VARIOUS TRADES EMPLOYED IN CONSTRUCTION OF THE BUILDING. REFER TO CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR DETAILS.

1.3 SUBMITTALS

A. SUBMITTAL PROCEDURES

1. SCHEDULE SUBMITTALS TO EXPEDITE THE PROJECT, AND DELIVER TO ARCHITECT/ENGINEER AT BUSINESS ADDRESS.

2. IDENTIFY VARIATIONS FROM CONTRACT DOCUMENTS AND PRODUCT OR SYSTEM LIMITATIONS, THAT MAY BE DETRIMENTAL TO SUCCESSFUL PERFORMANCE OF THE COMPLETED WORK.

3. SUBMITTALS SHALL BE MARKED AND /OR HIGHLIGHTED TO IDENTIFY SPECIFIC PRODUCTS BEING SUPPLIED AND/OR INSTALLED. THE MARKING SHALL MAKE REFERENCE TO REFERENCE TO THE CORRESPONDING EQUIPMENT THAT THE MATERIAL IS RELATED TO. EXAMPLE: A SUBMITTAL FOR DISCONNECT SWITCH WOULD HAVE THE MECHANICAL REFERENCE "EP-1", "SP-5" PLACED ON THE SUBMITTAL SHEET.

WHERE BEING SUPPLIED AND/OR INSTALLED ON THE PROJECT SUBMIT ON THE FOLLOWING ITEMS:

A. GROUND ROD, GROUND CLAMPS
B. OVERHEAD WIREWAY AND MOUNTING HARDWARE
C. DISCONNECT SWITCHES
D. MOTOR STARTERS
E. COMBINATION MOTOR STARTER DISCONNECT SWITCHES
F. FUSES
G. PLUGS, SWITCHES AND COVER PLATES
H. TRANSFORMERS
I. WIRE
J. WIRE PULLING LUBRICANT
K. WIREMOLD RACEWAY, COVER PLATES, DEVICE MOUNTING HARDWARE, FITTINGS
L. CONDUIT
M. CONDUIT FITTINGS, CONNECTORS AND COUPLINGS - WEATHERPROOF AND NON-WEATHERPROOF
N. WIRENUTS
O. COMPRESSION CONNECTORS FOR CONDUCTORS
P. WRAPPING MATERIALS AND TAPE
Q. PANELS
R. CIRCUIT BREAKERS
S. ENCLOSED CIRCUIT BREAKERS
T. BOXES
U. STRUT, HANGERS, BRACKETS, MOUNTING HARDWARE

1.4 QUALITY CONTROL

A. QUALITY ASSURANCE/CONTROL OF INSTALLATION

1. MONITOR QUALITY CONTROL OVER SUPPLIERS, MANUFACTURERS, PRODUCTS, SERVICES, SITE CONDITIONS, AND WORKMANSHIP, TO PRODUCE WORK OF SPECIFIED QUALITY.

2. COMPLY FULLY WITH MANUFACTURER'S INSTRUCTIONS, INCLUDING EACH STEP IN SEQUENCE.

3. COMPLY WITH SPECIFIED STANDARDS AS A MINIMUM QUALITY FOR THE WORK EXCEPT WHEN MORE STRINGENT TOLERANCES, CODES, OR SPECIFIED REQUIREMENTS INDICATE HIGHER STANDARDS OR MORE PRECISE WORKMANSHIP.

1.5 SAFETY AND INDEMNITY

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING, MAINTAINING AND SUPERVISING ALL NECESSARY SAFETY PRECAUTIONS WHICH WILL INSURE AGAINST INJURY TO PERSONS OR DAMAGE TO PROPERTY AS A RESULT OF ANY OF HIS WORK, TOOLS OR EQUIPMENT ON OR OFF THE PROJECT, BEFORE, DURING OR AFTER NORMAL WORKING HOURS. NO DRAWING REVIEW, CONSTRUCTION REVIEW OR ANY OTHER ACT OR SERVICE RENDERED BY THE OWNER, ENGINEER, THEIR EMPLOYEES OR CONSULTANTS SHALL BE CONSTRUED TO APPROVE OR JUDGE UPON THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES.

B. THE CONTRACTOR SHALL HOLD HARMLESS, INDEMNIFY AND DEFEND THE OWNER, ENGINEER, THEIR EMPLOYEES AND CONSULTANTS FROM ANY AND ALL LIABILITY CLAIMS, LOSSES OR DAMAGE ARISING OR ALLEGED TO ARISE FROM THE PERFORMANCE OF THE WORK DESCRIBED HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE OWNER, ENGINEER, THEIR EMPLOYEES OR CONSULTANTS.

1.6 MATERIALS AND EQUIPMENT

A. PRODUCTS

1. PRODUCTS: MEANS NEW MATERIAL, MACHINERY, COMPONENTS, EQUIPMENT, FIXTURES, AND SYSTEMS FORMING THE WORK DOES NOT INCLUDE MACHINERY AND EQUIPMENT USED FOR PREPARATION, FABRICATION, CONVEYING AND ERECTION OF THE WORK. PRODUCTS MAY ALSO INCLUDE EXISTING MATERIALS OR COMPONENTS REQUIRED FOR REUSE.

2. DO NOT USE MATERIALS AND EQUIPMENT REMOVED FROM EXISTING PREMISES, EXCEPT AS SPECIFICALLY PERMITTED BY THE CONTRACT DOCUMENTS.

B. SUBSTITUTIONS

1. THE ENGINEER WILL CONSIDER REQUESTS FOR SUBSTITUTIONS ONLY WITHIN 15 DAYS AFTER DATE OF OWNER-CONTRACTOR AGREEMENT.

2. SUBSTITUTIONS MAY BE CONSIDERED WHEN A PRODUCT BECOMES UNAVAILABLE THROUGH NO FAULT OF THE CONTRACTOR.

3. DOCUMENT EACH REQUEST WITH COMPLETE DATA SUBSTANTIATING COMPLIANCE OF PROPOSED SUBSTITUTION WITH CONTRACT DOCUMENTS.

C. DELIVERY, STORAGE, AND HANDLING

1. DELIVER, STORE, PROTECT, AND HANDLE PRODUCTS TO SITE.

1.7 CONTRACT CLOSEOUT

A. CLOSEOUT PROCEDURES

1. SUBMIT WRITTEN CERTIFICATION THAT CONTRACT DOCUMENTS HAVE BEEN REVIEWED, WORK HAS BEEN INSPECTED, AND THAT WORK IS COMPLETE IN ACCORDANCE WITH CONTRACT DOCUMENTS AND READY FOR ENGINEER'S INSPECTION.

B. FINAL CLEANING

1. EXECUTE FINAL CLEANING PRIOR TO FINAL INSPECTION.

2. CLEAN EQUIPMENT AND FIXTURES TO A SANITARY CONDITION.

3. REMOVE WASTE AND SURPLUS MATERIALS, RUBBISH, AND CONSTRUCTION FACILITIES FROM THE SITE.

1.8 REGULATORY REQUIREMENTS

A. CONFORM TO APPLICABLE UNIFORM BUILDING CODE.

B. CONFORM TO NFPA 70.

C. CONFORM TO LOCAL ORDINANCES AND REGULATIONS.

D. OBTAIN PERMITS, AND REQUEST INSPECTIONS FROM AUTHORITY HAVING JURISDICTION.

E. FURNISH PRODUCTS LISTED AND CLASSIFIED BY UNDERWRITERS LABORATORIES, INC. AND TESTING FIRMS, ACCEPTABLE TO AUTHORITY HAVING JURISDICTION AS SUITABLE FOR PURPOSE SPECIFIED AND SHOWN.

F. SHOULD THERE BE ANY CONFLICTS BETWEEN THE DRAWINGS, SPECIFICATIONS, OR REGULATORY REQUIREMENTS, THE MOST STRINGENT CONDITION SHALL GOVERN, UNLESS APPROVED BY THE ENGINEER.

G. FURNISH WITHOUT EXTRA CHARGE ADDITIONAL MATERIALS AND LABOR WHICH MAY BE REQUIRED FOR COMPLIANCE WITH THESE LAWS, RULES AND REGULATIONS EVEN THOUGH THE WORK IS NOT MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE DRAWINGS.

1.9 PROJECT/SITE CONDITIONS

A. INSTALL WORK IN LOCATIONS SHOWN ON DRAWINGS, UNLESS PREVENTED BY PROJECT CONDITIONS.

B. PREPARE DRAWINGS SHOWING PROPOSED REARRANGEMENT OF WORK TO MEET PROJECT CONDITIONS, INCLUDING CHANGES TO WORK SPECIFIED IN OTHER SECTIONS. OBTAIN PERMISSION OF ENGINEER BEFORE PROCEEDING.

2. PART 2 PRODUCTS

2.1 CONDUIT REQUIREMENTS

A. MINIMUM SIZE: 1/2 INCH UNLESS OTHERWISE SPECIFIED.

B. UNDERGROUND INSTALLATIONS:

1. USE PVC SCH 40 NONMETALLIC CONDUIT.

2. MINIMUM SIZE: 3/4 INCH.

C. OUTDOOR LOCATIONS, ABOVE GRADE:

1. EXPOSED: USE RIGID GALVANIZED STEEL CONDUIT.

2. CONCEALED: USE PVC SCH 40 NONMETALLIC CONDUIT.

D. IN SLAB:

1. USE PVC SCH 40 NONMETALLIC CONDUIT.

2. MINIMUM SIZE CONDUIT IN SLAB: 3/4 INCH, UNLESS OTHERWISE SPECIFIED.

3. MAXIMUM SIZE CONDUIT IN SLAB: 1 INCH, UNLESS OTHERWISE SPECIFIED.

E. WET AND DAMP LOCATIONS:

1. EXPOSED: USE RIGID GALVANIZED STEEL CONDUIT.

2. CONCEALED: USE PVC SCH 40 NONMETALLIC CONDUIT.

F. INDOOR DRY LOCATIONS:

1. CONCEALED: USE RIGID GALVANIZED STEEL CONDUIT, ELECTRICAL METALLIC TUBING, PVC SCH 40 NONMETALLIC CONDUIT.

2. EXPOSED: USE RIGID GALVANIZED STEEL CONDUIT, AND ELECTRICAL METALLIC TUBING.

2.2 BUILDING WIRE AND CABLE

A. DESCRIPTION: SINGLE CONDUCTOR INSULATED STRANDED WIRE.

1. CONDUCTOR: COPPER.

2. INSULATION VOLTAGE RATING: 600 VOLTS.

3. INSULATION: ANSINFFPA 70, TYPE THHN/THWN.

4. SIZE: 12 AWG. MINIMUM UNLESS OTHERWISE NOTED.

B. DESCRIPTION: FLEXIBLE METAL CLAD CABLE "MC"

1. CONDUCTOR: SOLID/ STRANDED COPPER.

2. VOLTAGE RATING: 600 VOLTS.

3. TEMPERATURE RATING: 90 DEGREE C, (DRY)

4. CONDUCTOR INSULATION: ANSINFFPA 70, TYPE THHN/THWN.

5. CONDUCTOR SIZE: 12 AWG. WITH 10 AWG NEU. FOR SHARED NEUTRAL MINIMUM UNLESS OTHERWISE NOTED.

6. ASSEMBLY COVERING: MYLAR TYPE ARMOR: GALVANIZED OR ALUMINUM STEEL

2.3 OUTLET BOXES

A. SHEET METAL OUTLET BOXES: ANSINEMA OS 1, GALVANIZED STEEL.

1. LUMINAIRE AND EQUIPMENT SUPPORTING BOXES: RATED FOR WEIGHT OF EQUIPMENT SUPPORTED.

B. NONMETALLIC OUTLET BOXES: ANSINEMA OS 2.

C. CAST BOXES: NEMA FB 1, TYPE FD, GALVANIZED STEEL. PROVIDE GASKETED COVER BY BOX MANUFACTURER. PROVIDE THREADED HUBS.

2.4 PULL AND JUNCTION BOXES

A. SHEET METAL BOXES: NEMA OS 1, GALVANIZED STEEL.

B. SURFACE-MOUNTED CAST METAL BOX: NEMA 250, TYPE 4; FLAT-FLANGED, SURFACE-MOUNTED JUNCTION BOX.

1. MATERIAL: CAST GALVANIZED STEEL.

2. COVER: FURNISH WITH GROUND FLANGE, NEOPRENE GASKET, AND STAINLESS STEEL COVER SCREWS.

2.5 WALL SWITCHES

A. MANUFACTURERS:

1. LEVITON: SPECIFICATION GRADE.

B. DESCRIPTION: HEAVY-DUTY, AC ONLY GENERAL-USE SWITCH.

C. DEVICE BODY: WHITE PLASTIC WITH "STANDARD" HANDLE.

D. VOLTAGE RATING: 120-277 VOLTS, AC.

E. CURRENT RATING: 20 AMPERES.

2.6 RECEPTACLES

A. MANUFACTURERS:

1. SLATER, MODEL: MEDALIST.

B. DESCRIPTION: HEAVY-DUTY, RECEPTACLE - COMMERCIAL UNITS

C. DEVICE BODY: WHITE PLASTIC.

D. CONFIGURATION: TYPE AS SPECIFIED AND INDICATED.

E. CONVENIENCE RECEPTACLE: TYPE 5-20R.

F. GFCI RECEPTACLE: CONVENIENCE RECEPTACLE WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER TO MEET REGULATORY REQUIREMENTS, WITH LED STATUS INDICATING LIGHT.

2.7 WALL PLATES

A. DECORATIVE COVER PLATE: WHITE SMOOTH PLASTIC.

1. LEVITON.

B. WEATHERPROOF COVER PLATE: GASKETED IN USE TYPE WITH METAL HINGED GASKETED DEVICE COVER.

2.8 CORDS AND CABS

A. MANUFACTURERS:

1. APPLETON

2. HUBBELL

3. SLATER

4. ARROW-HART

B. ATTACHMENT PLUG CONSTRUCTION: CONFORM TO NEMA.

C. CONFIGURATION: MATCH RECEPTACLE CONFIGURATION AT OUTLET PROVIDED FOR EQUIPMENT.

D. CORD CONSTRUCTION: MULTICONDUCTOR FLEXIBLE CORD WITH IDENTIFIED EQUIPMENT GROUNDING CONDUCTOR, SUITABLE FOR USE IN DAMP LOCATIONS.

E. SIZE: SUITABLE FOR CONNECTED LOAD OF EQUIPMENT, LENGTH OF CORD, AND RATING OF BRANCH CIRCUIT OVERCURRENT PROTECTION.

2.9 SUPPORTING DEVICES

A. MATERIALS AND FINISHES: PROVIDE ADEQUATE CORROSION RESISTANCE

B. PROVIDE MATERIALS, SIZES, AND TYPES OF ANCHORS, FASTENERS AND SUPPORTS TO CARRY THE LOADS OF EQUIPMENT AND CONDUIT. CONSIDER WEIGHT OF WIRE IN CONDUIT WHEN SELECTING PRODUCTS.

C. ANCHORS AND FASTENERS:

1. CONCRETE STRUCTURAL ELEMENTS: USE PRECAST INSERT SYSTEM, EXPANSION ANCHORS, POWDER ACTUATED ANCHORS AND PRESET INSERTS.

2. CONCRETE SURFACES: USE SELF-DRILLING ANCHORS AND EXPANSION ANCHORS.

3. HOLLOW MASONRY, PLASTER, AND GYPSUM BOARD PARTITIONS: USE TOGGLE BOLTS AND HOLLOW WALL FASTENERS.

4. SOLID MASONRY WALLS: USE EXPANSION ANCHORS AND PRESET INSERTS.

5. SHEET METAL: USE SHEET METAL SCREWS.

6. WOOD ELEMENTS: USE WOOD SCREWS.

2.10 NAMEPLATES AND LABELS

A. NAMEPLATES: ENGRAVED THREE-LAYER LAMINATED PLASTIC, WHITE LETTERS ON BLACK BACKGROUND.

B. LOCATIONS:

1. EACH ELECTRICAL DISTRIBUTION AND CONTROL EQUIPMENT ENCLOSURE.

C. LETTER SIZE:

1. USE 1/4 INCH (6 MM) LETTERS FOR IDENTIFYING INDIVIDUAL EQUIPMENT AND LOADS.

D. LABELS: EMBOSSED ADHESIVE TAPE, WITH 3/16 INCH (5 MM) WHITE LETTERS ON BLACK BACKGROUND. USE ONLY FOR IDENTIFICATION OF INDIVIDUAL WALL SWITCHES AND RECEPTACLES.

2.11 WIRE MARKERS

A. DESCRIPTION: CLOTH, TAPE, SPLIT SLEEVE, OR TUBING TYPE WIRE MARKERS.

B. LOCATIONS: EACH CONDUCTOR AT PANELBOARD GUTTERS, PULL BOXES, OUTLET AND JUNCTION BOXES, AND EACH LOAD CONNECTION.

C. LEGEND:

1. POWER AND LIGHTING CIRCUITS: BRANCH CIRCUIT OR FEEDER NUMBER INDICATED ON DRAWINGS.

2. CONTROL CIRCUITS: CONTROL WIRE NUMBER INDICATED ON SCHEMATIC AND INTERCONNECTION DIAGRAMS ON DRAWINGS/ SHOP DRAWINGS.

2.12 PANELBOARDS/LOADCENTERS (AS SCHEDULED)

A. MANUFACTURE:

1. SQUARE "D"

2. CUTLER-HAMMER

3. SIEMENS

4. GENERAL ELECTRIC.

B. ENCLOSURE: GENERAL PURPOSE, NEMA 1; UNLESS OTHERWISE NOTED.

C. PROVIDE FLUSH/SURFACE (AS SCHEDULED) BOX, AND LATCH ON DOOR. FINISH IN MANUFACTURER'S STANDARD GRAY ENAMEL.

D. PROVIDE BUS RATINGS AND MATERIALS AS SCHEDULED.

E. MINIMUM INTEGRATED SHORT CIRCUIT RATING: 10,000 AMPERES RMS SYMMETRICAL.

F. MOLDED CASE CIRCUIT BREAKERS: BOLT-ON/PLUG-ON (AS SCHEDULED) TYPE THERMAL MAGNETIC TRIP CIRCUIT BREAKERS, WITH COMMON TRIP HANDLE FOR ALL POLES, PROVIDE UL CLASS A GROUND FAULT INTERRUPTER CIRCUIT BREAKERS WHERE SCHEDULED.

G. DO NOT USE TANDEM CIRCUIT BREAKERS.

2.13 LUMINAIRES

A. FURNISH PRODUCTS AS SPECIFIED IN SCHEDULE ON DRAWINGS.

B. SUBSTITUTIONS: UNDER PROVISIONS OF THE CONTRACT.

C. INSTALL DRIVERS, LEDS, AND SPECIFIED ACCESSORIES AT FACTORY.

D. SPECIFY AN IN-LINE DISCONNECT TO MEET NEC. FURTHER REQUIRE THAT THE LIGHTING MANUFACTURER PROVIDE A "WIRE NUT" CONNECTION ON THE LOAD SIDE OF THE DISCONNECT TO FACILITATE LIGHT FIXTURE SERVICING.

E. COLOR TEMPERATURE & CRI: 3500K, CRI ≥ 80.

F. LED DRIVERS SHALL HAVE THE FOLLOWING CHARACTERISTICS (UNLESS APPROVED BY ENGINEER):

1. MAXIMUM DRIVE CURRENT: 350MA.

2. MINIMUM EFFICIENCY: 85%.

3. OPERATING TEMPERATURE RANGE: -40°C TO 50°C.

4. MINIMUM RATED LIFE: 50,000 HOURS.

5. DIMMING RANGE: 100% TO 10%

6. UL CLASS I OR II OUTPUT.

7. POWER FACTOR: 90%.

8. TOTAL HARMONIC DISTORTION: 20%.

9. COMPLY WITH FCC 47 CFR PART 15 NON-CONSUMER RF/EMI STANDARDS.

G. ACCESSORIES: PROVIDE LUMINAIRE ACCESSORIES AS INDICATED.

2.14 ENCLOSED SWITCHES

A. FUSIBLE SWITCH ASSEMBLIES: NEMA 1 - INDOOR, NEMA 3R - OUTDOOR, TYPE HD (HEAVY DUTY) LOAD INTERRUPTER ENCLOSED KNIFE SWITCH WITH EXTERNALLY OPERABLE HANDLE INTERLOCKED TO PREVENT OPENING FRONT COVER WITH SWITCH IN ON POSITION. HANDLE LOCKABLE IN OFF POSITION. FUSE CLIPS: DESIGNED TO ACCOMMODATE CLASS R FUSES.

B. NONFUSIBLE SWITCH ASSEMBLIES: NEMA 1 - INDOOR, NEMA 3R - OUTDOOR, TYPE HD LOAD INTERRUPTER ENCLOSED KNIFE SWITCH WITH EXTERNALLY OPERABLE HANDLE INTERLOCKED TO PREVENT OPENING FRONT COVER WITH SWITCH IN ON POSITION. HANDLE LOCKABLE IN OFF POSITION.

2.15 FUSES

A. MANUFACTURERS:

1. BUSSMAN.

2. QOULD - SCHWIMUT.

B. DESCRIPTION: DUAL ELEMENT, CURRENT LIMITING, ONE-TIME FUSE, 250 OR 600 VOLT AS APPLICATION REQUIRES.

C. INTERRUPTING RATING: 200,000 RMS AMPERES.

3. PART 3 EXECUTION

3.1 CONDUIT

A. INSTALL CONDUIT IN ACCORDANCE WITH NECA "STANDARD OF INSTALLATION".

B. ARRANGE CONDUIT TO MAINTAIN HEADROOM AND PRESENT NEAT APPEARANCE.

C. ROUTE CONDUIT PARALLEL AND PERPENDICULAR TO WALLS.

D. MAINTAIN 12 INCH (300 MM) CLEARANCE BETWEEN CONDUIT AND SURFACES WITH TEMPERATURES EXCEEDING 104 DEGREES F (40 DEGREES C).

E. CUT CONDUIT SQUARE USING SAW OR PIPECUTTER; DE-BURR CUT ENDS.

F. BRING CONDUIT TO SHOULDER OF FITTINGS; FASTEN SECURELY.

G. JOIN NON-METALLIC CONDUIT USING CEMENT AS RECOMMENDED BY MANUFACTURER. WIPE NONMETALLIC CONDUIT DRY AND CLEAN BEFORE JOINING. APPLY FULL EVEN COAT OF CEMENT TO ENTIRE AREA INSERTED IN FITTING. ALLOW JOINT TO CURE FOR 20 MINUTES, MINIMUM.

H. USE CONDUIT HUBS OR SEALING LOCKNUTS TO FASTEN CONDUIT TO SHEET METAL BOXES IN DAMP AND WET LOCATIONS AND TO CAST BOXES.

I. INSTALL NO MORE THAN EQUIVALENT OF THREE 90-DEGREE BENDS BETWEEN BOXES. USE CONDUIT BODIES TO MAKE SHARP CHANGES IN DIRECTION, AS AROUND BEAMS. USE HYDRAULIC ONE-SHOT BENDER TO FABRICATE FACTORY ELBOWS FOR BENDS IN METAL CONDUIT LARGER THAN 2 INCH (50 MM) SIZE.

3.2 BUILDING WIRE & CABLE

A. PULL ALL CONDUCTORS INTO RACEWAY AT SAME TIME.

B. USE SUITABLE WIRE PULLING LUBRICANT FOR BUILDING WIRE.

C. USE SUITABLE CABLE FITTINGS AND CONNECTORS.

D. NEATLY TRAIN AND LACE WIRING INSIDE BOXES, EQUIPMENT, AND PANELBOARDS.

E. CLEAN CONDUCTOR SURFACES BEFORE INSTALLING LUGS AND CONNECTORS.

F. MAKE SPLICES, TAPS, AND TERMINATIONS TO CARRY FULL AMPACITY OF CONDUCTORS WITH NO PERCEPTIBLE TEMPERATURE RISE.

G. USE COMPRESSION CONNECTORS FOR COPPER CONDUCTOR SPLICES AND TAPS, 8 AWG AND LARGER. TAPE UNINSULATED CONDUCTORS AND CONNECTOR WITH ELECTRICAL TAPE TO 150 PERCENT OF INSULATION RATING OF CONDUCTOR.

H. USE INSULATED SPRING WIRE CONNECTORS WITH PLASTIC CAPS FOR COPPER CONDUCTOR SPLICES AND TAPS, 10 AWG AND SMALLER.

I. BRANCH CIRCUIT WIRING MAXIMUM 30 AMPS, MAY BE FLEXIBLE METAL CLAD CABLE "MC" OR METAL WHERE CONCEALED IN WOOD FRAMED SPACES, ALL OTHER WIRING, INCLUDING LOW-VOLTAGE WIRING, SHALL BE INSTALLED IN CONDUIT.

3.3 BOXES

A. INSTALL ELECTRICAL BOXES AS SHOWN ON DRAWINGS, AND AS REQUIRED FOR SPLICES, TAPS, WIRE PULLING, EQUIPMENT CONNECTIONS AND COMPLIANCE WITH REGULATORY REQUIREMENTS.

B. INSTALL ELECTRICAL BOXES TO MAINTAIN HEADROOM AND TO PRESENT NEAT MECHANICAL APPEARANCE.

C. INSTALL BOXES TO PRESERVE FIRE RESISTANCE RATING OF PARTITIONS AND OTHER ELEMENTS, USING MATERIALS AND METHODS UNDER THE PROVISIONS IN THE SPECIFICATIONS.

D. SUPPORT BOXES INDEPENDENTLY OF CONDUIT EXCEPT CAST BOX THAT IS CONNECTED TO TWO RIGID METAL CONDUITS BOTH SUPPORTED WITHIN 12 INCHES (300 MM) OF BOX.

E. USE GANG BOX WHERE MORE THAN ONE DEVICE IS MOUNTED TOGETHER. DO NOT USE SECTIONAL BOX.

F. USE GANG BOX WITH PLASTER RING FOR SINGLE DEVICE OUTLETS.

G. USE CAST OUTLET BOX IN EXTERIOR LOCATIONS EXPOSED TO THE WEATHER AND WET LOCATIONS.

3.4 WIRING DEVICES

A. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

B. INSTALL DEVICES PLUMB AND LEVEL.

C. INSTALL SWITCHES WITH OFF POSITION DOWN.

D. INSTALL RECEPTACLES WITH GROUNDING POLE ON BOTTOM.

E. CONNECT WIRING DEVICE GROUNDING TERMINAL TO OUTLET BOX WITH BONDING JUMPER AND BRANCH CIRCUIT EQUIPMENT GROUNDING CONDUCTOR WHEN INSTALLED PER DRAWINGS.

F. CONNECT WIRING DEVICES BY WRAPPING CONDUCTOR AROUND SCREW TERMINAL.

G. COORDINATE LOCATIONS OF OUTLET BOXES TO OBTAIN MOUNTING HEIGHTS SPECIFIED AND INDICATED ON DRAWINGS.

H. INSTALL WALL SWITCH 48 INCHES (1.2 M) ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED.

I. INSTALL CONVENIENCE RECEPTACLE 15 INCHES (381 MM) ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED.

J. INSTALL CONVENIENCE RECEPTACLE 8 INCHES (153 MM) ABOVE COUNTER, UNLESS OTHERWISE NOTED.

3.5 EQUIPMENT WIRING AND SYSTEMS

A. MAKE ELECTRICAL CONNECTIONS IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S INSTRUCTIONS.

B. MAKE CONDUIT CONNECTIONS TO EQUIPMENT USING FLEXIBLE CONDUIT. USE LIQUDTIGHT FLEXIBLE CONDUIT WITH WATERTIGHT CONNECTORS IN DAMP OR WET LOCATIONS.

C. MAKE WIRING CONNECTIONS USING WIRE AND CABLE WITH INSULATION SUITABLE FOR TEMPERATURES ENCOUNTERED IN HEAT PRODUCING EQUIPMENT.

D. INSTALL DISCONNECT SWITCHES, CONTROLLERS, CONTROL STATIONS, AND CONTROL DEVICES AS INDICATED.

E. MODIFY EQUIPMENT CONTROL WIRING WITH TERMINAL BLOCK JUMPERS AS INDICATED.

F. PROVIDE INTERCONNECTING CONDUIT AND WIRING BETWEEN DEVICES AND EQUIPMENT WHERE INDICATED.

3.6 SUPPORTING DEVICES

A. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

B. PROVIDE ANCHORS, FASTENERS, AND SUPPORTS IN ACCORDANCE WITH NECA "STANDARD OF INSTALLATION".

C. DO NOT FASTEN SUPPORTS TO PIPES, DUCTS, MECHANICAL EQUIPMENT, AND CONDUIT.

D. OBTAIN PERMISSION FROM ARCHITECT/ENGINEER BEFORE DRILLING OR CUTTING STRUCTURAL MEMBERS.

3.7 ELECTRICAL IDENTIFICATION

A. DEGREASE AND CLEAN SURFACES TO RECEIVE NAMEPLATES AND LABELS.

B. INSTALL NAMEPLATE AND LABEL PARALLEL TO EQUIPMENT LINES.

C. SECURE NAMEPLATE TO EQUIPMENT FRONT USING SCREWS, OR RIVETS.

3.8 PANELBOARDS/LOADCENTERS (AS SCHEDULED)

A. INSTALL PLUMB AND FLUSH WITH WALL FINISHES, IN CONFORMANCE WITH NEMA PS 1.

B. HEIGHT: 6 FT (2 M), TO TOP OF BOX.

C. PROVIDE FILLER PLATES FOR UNUSED SPACES.

D. PROVIDE TYPED CIRCUIT DIRECTORY FOR EACH BRANCH CIRCUIT PANELBOARD/LOADCENTER. REVISE DIRECTORY TO REFLECT CIRCUITING CHANGES REQUIRED TO BALANCE PHASE LOADS.

E. MEASURE STEADY STATE LOAD CURRENTS AT EACH PANELBOARD/LOADCENTERS FEEDER, SHOULD THE DIFFERENCE BETWEEN PHASES EXCEED 20 PERCENT. REARRANGE CIRCUITS IN THE PANELBOARD/LOADCENTER TO BALANCE THE PHASE LOADS.

WITHIN 20 PERCENT. TAKE CARE TO MAINTAIN PROPER PHASING FOR MULTI-WIRE BRANCH CIRCUITS.

F. VISUAL AND MECHANICAL INSPECTION: INSPECT FOR PHYSICAL DAMAGE, PROPER ALIGNMENT, ANCHORAGE, AND GROUNDING. CHECK PROPER INSTALLATION AND TIGHTNESS OF CONNECTIONS FOR CIRCUIT BREAKERS, FUSIBLE SWITCHES, AND FUSES.

3.9 LUMINAIRES

A. INSTALL IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

B. INSTALL SURFACE MOUNTED LUMINAIRES AND PLUMB AND ADJUST TO ALIGN WITH BUILDING LINES AND WITH EACH OTHER. SECURE TO PROHIBIT MOVEMENT.

C. INSTALL WALL MOUNTED LUMINAIRES, AT HEIGHT AS INDICATED ON DRAWINGS.

D. INSTALL SPECIFIED LAMPS / LED COLOR, OUTPUT AND DRIVERS IN EACH LUMINAIRE.

E. CLEAN ELECTRICAL PARTS TO REMOVE CONDUCTIVE AND DELETERIOUS MATERIALS.

F. REMOVE DIRT AND DEBRIS FROM ENCLOSURE.

G. CLEAN PHOTOMETRIC CONTROL SURFACES AS RECOMMENDED BY MANUFACTURER.

H. CLEAN FINISHES AND TOUCH UP DAMAGE.

3.10 ENCLOSED SWITCHES

A. INSTALL DISCONNECT SWITCHES WHERE INDICATED.

B. INSTALL FUSES IN FUSIBLE DISCONNECT SWITCHES.

C. PROVIDE ADHESIVE LABEL ON INSIDE DOOR OF EACH SWITCH INDICATING UL FUSE CLASS AND SIZE FOR REPLACEMENT.

END OF SECTION 260000

SECTION 260050

MINOR ELECTRICAL DEMOLITION FOR REMODELING

PART I - GENERAL

1.01 SECTION INCLUDES:

A. ELECTRICAL DEMOLITION.

PART II - PRODUCTS

2.01 MATERIALS AND EQUIPMENT:

A. MATERIALS AND EQUIPMENT FOR PATCHING AND EXTENDING WORK: AS IN INDIVIDUAL SECTIONS.

PART III - EXECUTION

3.01 EXAMINATION:

A. VERIFY FIELD MEASUREMENTS AND CIRCUITING ARRANGEMENTS ARE AS SHOWN ON DRAWINGS.

B. VERIFY THAT ABANDONED WIRING AND EQUIPMENT SERVE ONLY ABANDONED FACILITIES.

C. DEMOLITION IS BASED ON CASUAL FIELD OBSERVATION, REPORT DISCREPANCIES TO ARCHITECT/ENGINEER BEFORE DISTURBING EXISTING INSTALLATION.

D. BEGINNING OF DEMOLITION MEANS INSTALLER ACCEPTS EXISTING CONDITIONS.

3.02 PREPARATION:

A. DISCONNECT ELECTRICAL SYSTEMS IN WALLS, FLOORS, AND CEILINGS SCHEDULED FOR REMOVAL.

B. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.

C. EXISTING ELECTRICAL SERVICE: MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER AT LEAST 48 HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE OUTAGE DURATION.

3.03 DEMOLITION AND EXTENSION OF EXISTING ELECTRICAL WORK

A. REMOVE, RELOCATE AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.

B. REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY.

C. REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONDUIT FLUSH WITH WALLS AND FLOORS AND PATCH SURFACES.

D. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS WHICH ARE NOT REMOVED.

E. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.

END OF SECTION 260050

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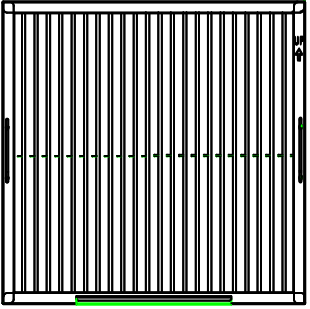
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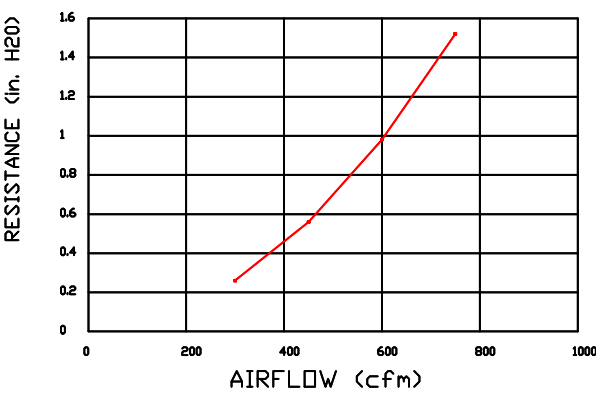
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Captrate
Grease-Stop Solo Filter

RESISTANCE VS. AIRFLOW

2' Captrate Grease-Stop Solo Filter



Filter Detail

CAPRATE

EXHAUST CFM=LENGTH OF HOOD X CFM/LIN.FT. (LOAD)

SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED

TOTAL DUCT AREA=144 X $\frac{CFM}{FPM(*)}$

DUCT LENGTH= $\frac{TOTAL DUCT AREA}{DUCT DEPTH}$



GREASE-STOP SOLID FILTER IS ETL LISTED UNDER FILE NUMBER 3064494-001 AND COMPLIES WITH UL1046 STANDARD, NSF STANDARD #2, NFPA 96 AND

*CAPTIVE-AIRE VENTILATOR DUCT SIZES ARE CALCULATED USING AN EXHAUST VELOCITY OF 1600-1800 FPM AND A SUPPLY VELOCITY OF 1000 FPM. PLEASE CONSULT FACTORY FOR MAXIMUM ALLOWABLE DUCT SIZES.

CALCULATIONS UTILIZED

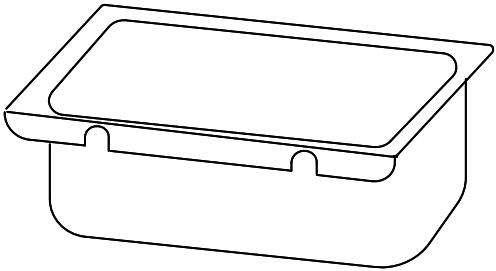
CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

- NFPA #96
- B.O.C.A. #93-16
- I.C.B.O. 34416
- SBCOI PST & ESI NO. 93137
- E.T.L. LISTED 3054804-001
- LOS ANGELES RR#8080
- ETL IS LISTED TO ULC STANDARDS



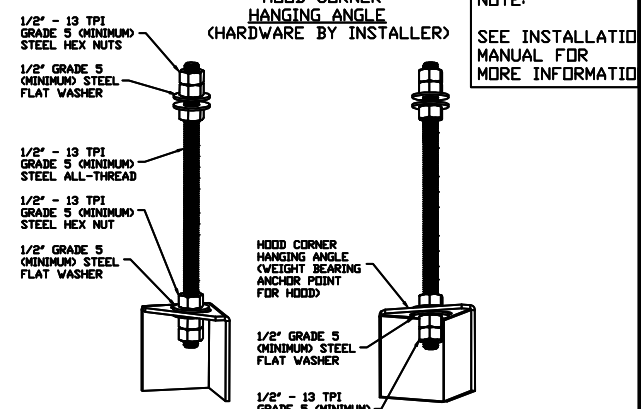
Intertek

BUILDING CODES



GREASE CUP WILL BE SUPPORTED BY TWO STUDS ON THE INSIDE WALL OF THE HOOD. THE GREASE WILL DRAIN THROUGH A CONCEALED GREASE TROUGH AND INTO THIS REMOVABLE/CLEANABLE CUP.

1/2 Pint Grease Cup Detail



NOTE: SEE INSTALLATION MANUAL FOR MORE INFORMATION

ND-2 HANGING ANGLE DETAIL

HANGING ANGLES WILL BE LOCATED IN THE FOLLOWING LOCATIONS FOR WALL CANOPIES

HOOD STYLE	DIM FROM REAR	DIM FROM FRONT (24" High Hood)	DIM FROM FRONT (30" High Hood)
Wall Exhaust Only	4.166	2.25"	2.25"
With MUA		2.25"	2.25"
Back Shelf Exhaust Only	4.166	2.25"	2.25"
With MUA		2.25"	2.25"
Condensate	2.25"	2.25"	

HANGING ANGLE LOCATIONS

HOOD INFORMATION – JOB#6398873

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)						TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG		
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL			SP	END TO END	ROW
1		5424 EX-2-PSP-F	ECON-AIR	13' 0"	600 DEG	I	HEAVY	250	3250			4"	18"	3250	1839	-0.549"	2600	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM	HOOD HANGING WEIGHT		
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	TYPE	SIZE			ELECTRICAL MODEL #	SWITCHES QUANTITY
1		SS BAFFLE WITH HANDLES	9	20"	16"	30%	4	L55 SERIES E26	NO	LEFT	12"x54"x24"			SC-311110MA	1 LIGHT 1 FAN	NO	1058 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1		FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		INSULATION FOR TOP OF HOOD.
		INSULATION FOR BACK OF HOOD.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG	DIA	CFM	SP
1		Front	168"	16"	6"	MUA	12"	28"		650	0.161"
						MUA	12"	28"		650	0.161"
						MUA	12"	28"		650	0.161"
						MUA	12"	28"		650	0.161"

EXHAUST FAN INFORMATION – JOB#6398873

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SDNES
1	KEF-1	1	DUI80HFA	CAPTIVEAIRE	3250	1.500	1320	DDP,PREMIUM	3.000	1.7950	3	208	9.5	751 FPM	189	20

MUA FAN INFORMATION – JOB#6398873

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MDCP	EVAP FLOW RATE (Gal/Hr)	EVAP COOLER ENTERING DB TEMP	EVAP COOLER ENTERING WB TEMP	EVAP COOLER LEAVING DB TEMP	EVAP COOLER LEAVING WB TEMP	WEIGHT (LBS)	SDNES
2	MAU-1	1	EA-A2-20D	20MF-2-MOD	A2	1500	2600	0.750	1276	DDP,PREMIUM	1.500	1.1130	3	208	6.6	8.3A	15A	4.11	90.0°F	62.0°F	70.0°F	62.0°F	695	14.1

FAN OPTIONS

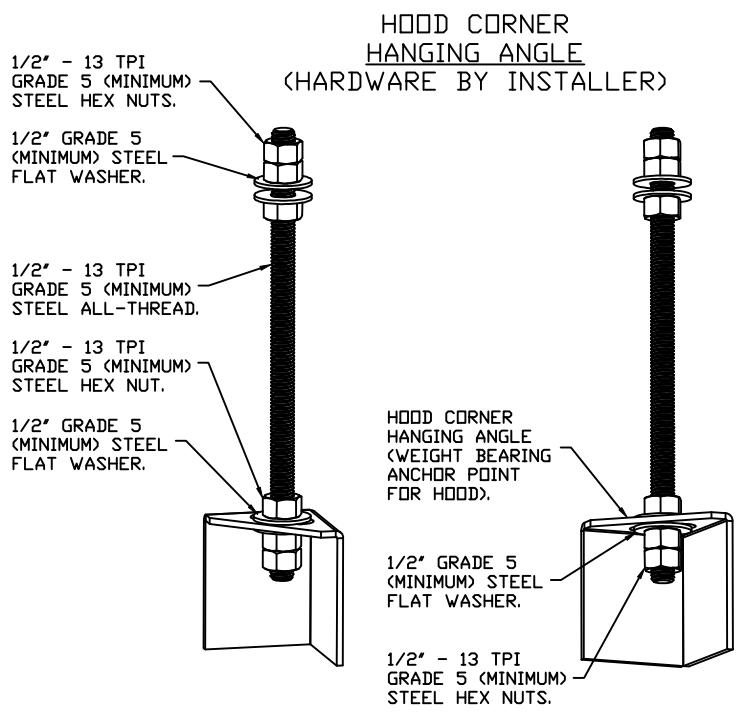
FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF-1	1	GREASE BOX
		1	HINGE KIT – SHIPS LOOSE FOR CURB SUPPLIED BY OTHERS
		1	2 YEAR PARTS WARRANTY
2	MAU-1	1	SIZE 2 UNTEMPERED COMMERCIAL DOWN DISCHARGE FOR DIRECT DRIVE AHUS
		1	EVAPORATIVE COOLER WIRING HARNESS
		1	SEPARATE 120V WIRING PACKAGE (REQUIRED) AND USED ONLY FOR DCV OR PREWIRE WITH VFD) – THREE PHASE ONLY
		1	2 YEAR PARTS WARRANTY

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KEF-1	YES						
2	MAU-1							

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	41 LBS	CURB	26.500"W X 26.500"L X 20.000"H VENTED HINGED.
2	# 2		62 LBS	CURB	31.000"W X 31.000"L X 20.000"H.
	# 2			RAIL	4.000"W X 4.000"L X 36.000"H.
	# 2			RAIL	4.000"W X 4.000"L X 36.000"H.



HOOD CORNER HANGING ANGLE (HARDWARE BY INSTALLER)

1/2" - 13 TPI GRADE 5 (MINIMUM) STEEL HEX NUTS.

1/2" - 13 TPI GRADE 5 (MINIMUM) STEEL ALL-THREAD.

1/2" - 13 TPI GRADE 5 (MINIMUM) STEEL HEX NUT.

1/2" - 13 TPI GRADE 5 (MINIMUM) STEEL FLAT WASHER.

HOOD CORNER HANGING ANGLE (WEIGHT BEARING ANCHOR POINT FOR HOOD).

1/2" - 13 TPI GRADE 5 (MINIMUM) STEEL HEX NUTS.

ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

NOTE

ALL WALLS THAT COME WITHIN 18" OF THE TYPE I HOOD MUST BE METAL STUD AND SHEETROCK. IF WOOD STUDS FACTORY INSTALLED INSULATION REQUIRED, PLEASE ADVISE CAPTIVE AIRE PRIOR TO FABRICATION.

NOTE- Exhaust Collar Must be Factory Installed. If A Different Size Or Location is Required, Please Note Change On Submittal.

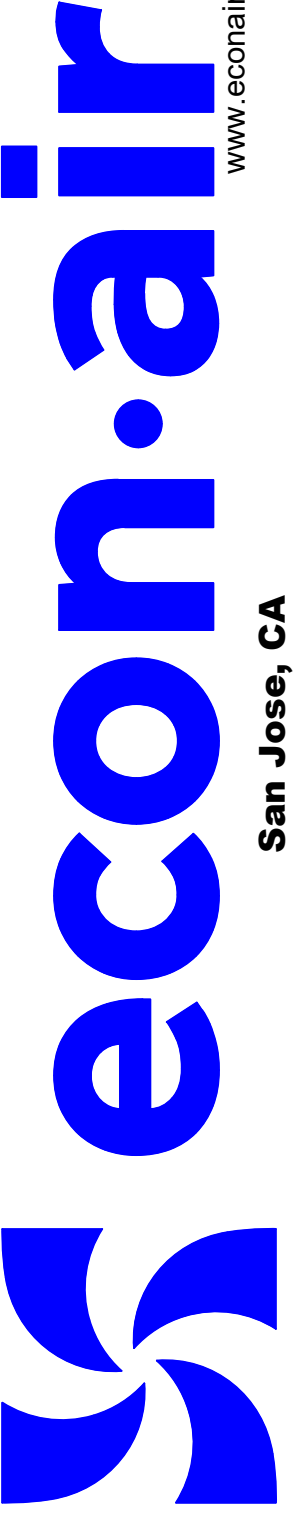
Rear Discharge Is Available. Contact CaptiveAire For Possible Locations.

All Hoods, Exhaust Fans, Tempered/Untempered Make-Up Air Units and Electrical Package to be Start-ed Up and Commissioned by Factory Field Service Technician. Start-Up Report to be Sent to Engineer by Manufacturer When Complete.

FOR QUESTIONS CALL:
REECE MCNULTY
LOS ANGELES SALES OFFICE
REFERENCE JOB NUMBER
PHONE: 310.876.8505 REG81@CAPTIVEAIRE.COM

REVISIONS

DESCRIPTION	DATE:
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△	
△	
△	



San Jose, CA

www.econair.com

San Jose, CA, PHONE: (408) 418 - 1108 FAX: 9188004536 EMAIL: reg89@econair.com

VETERANS HALL ECON – Gilroy, CA rev1

Gilroy, CA, 95020

DATE: 12/8/2023

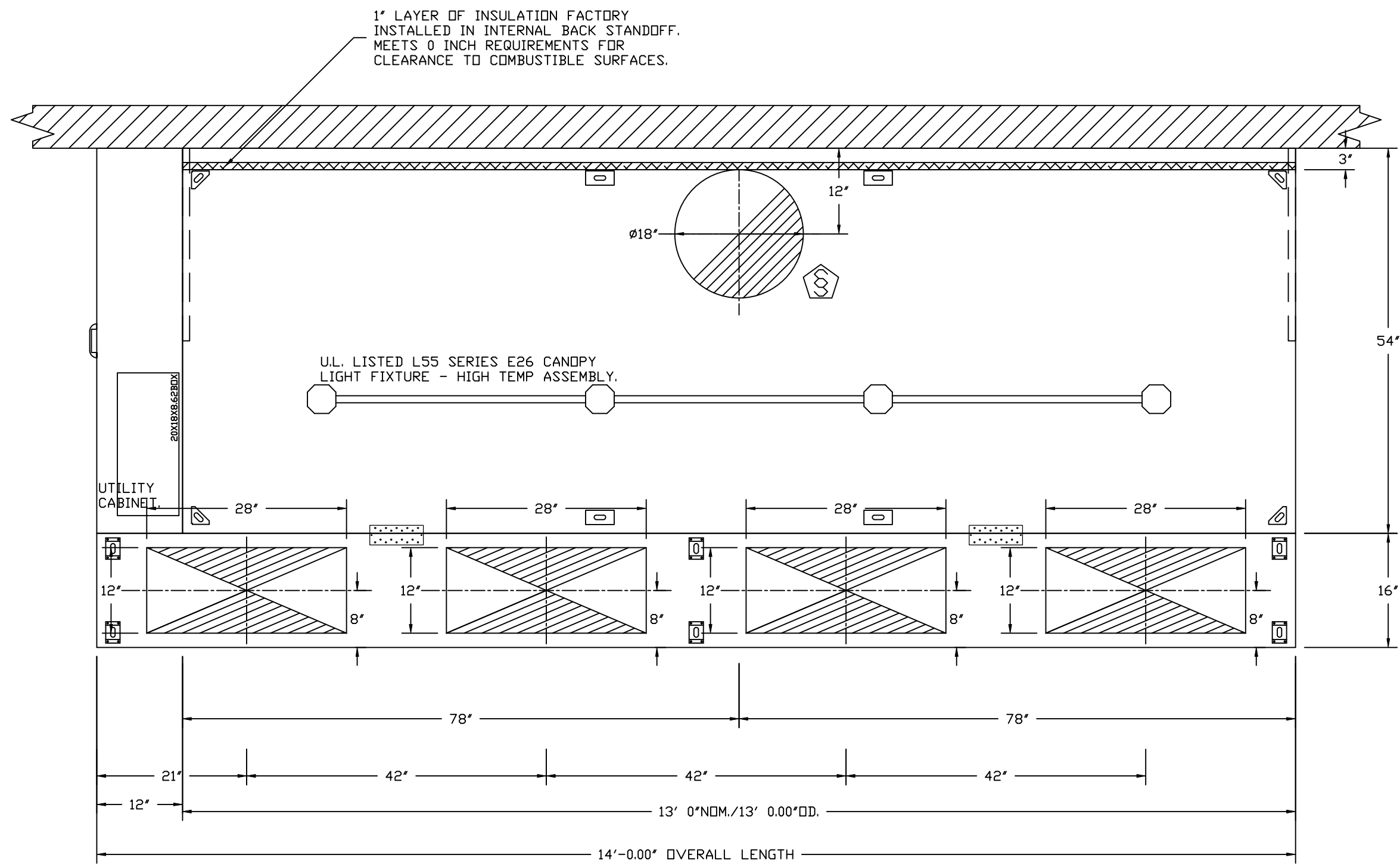
DWG.#: 6398873

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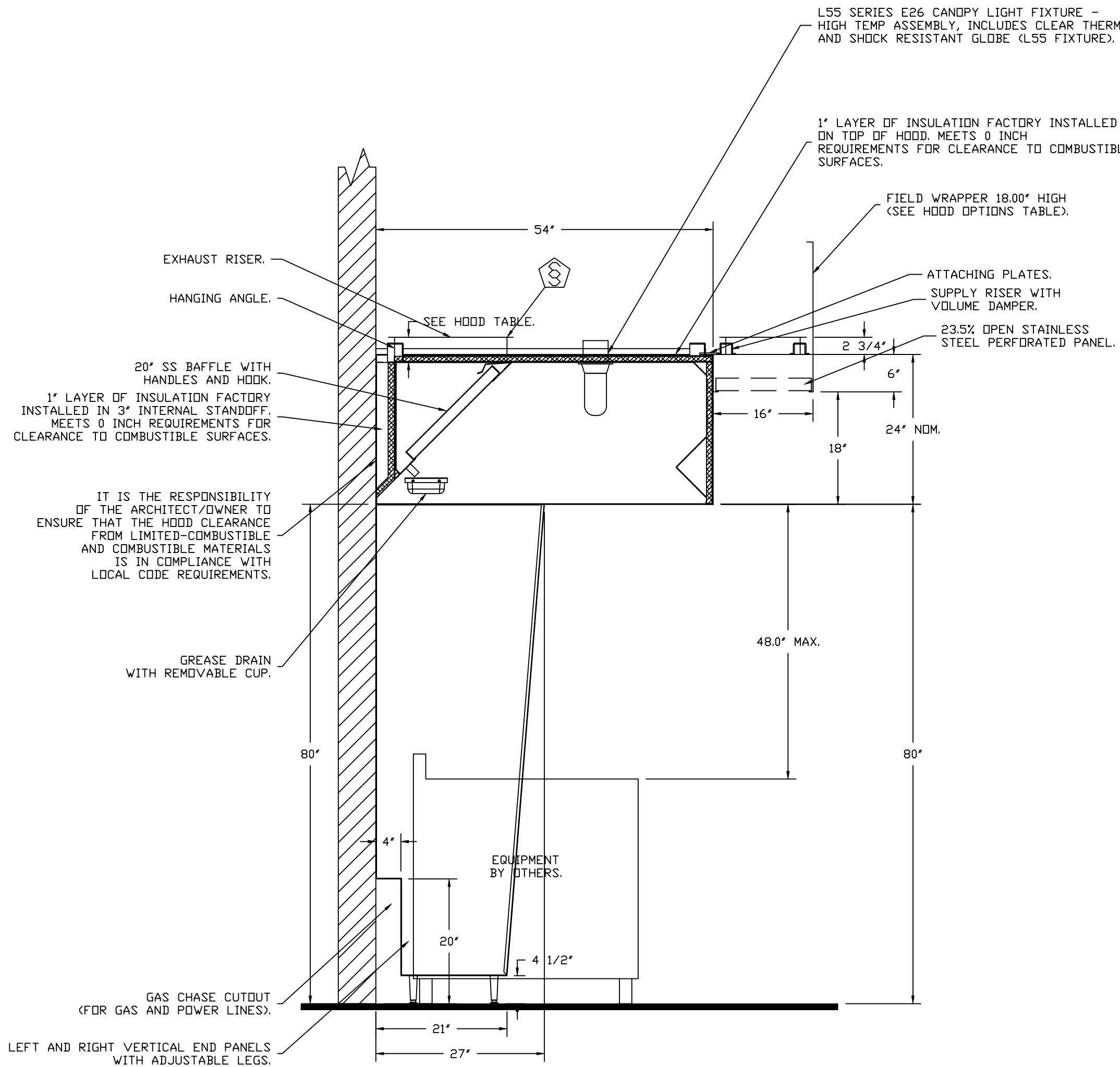
SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 1

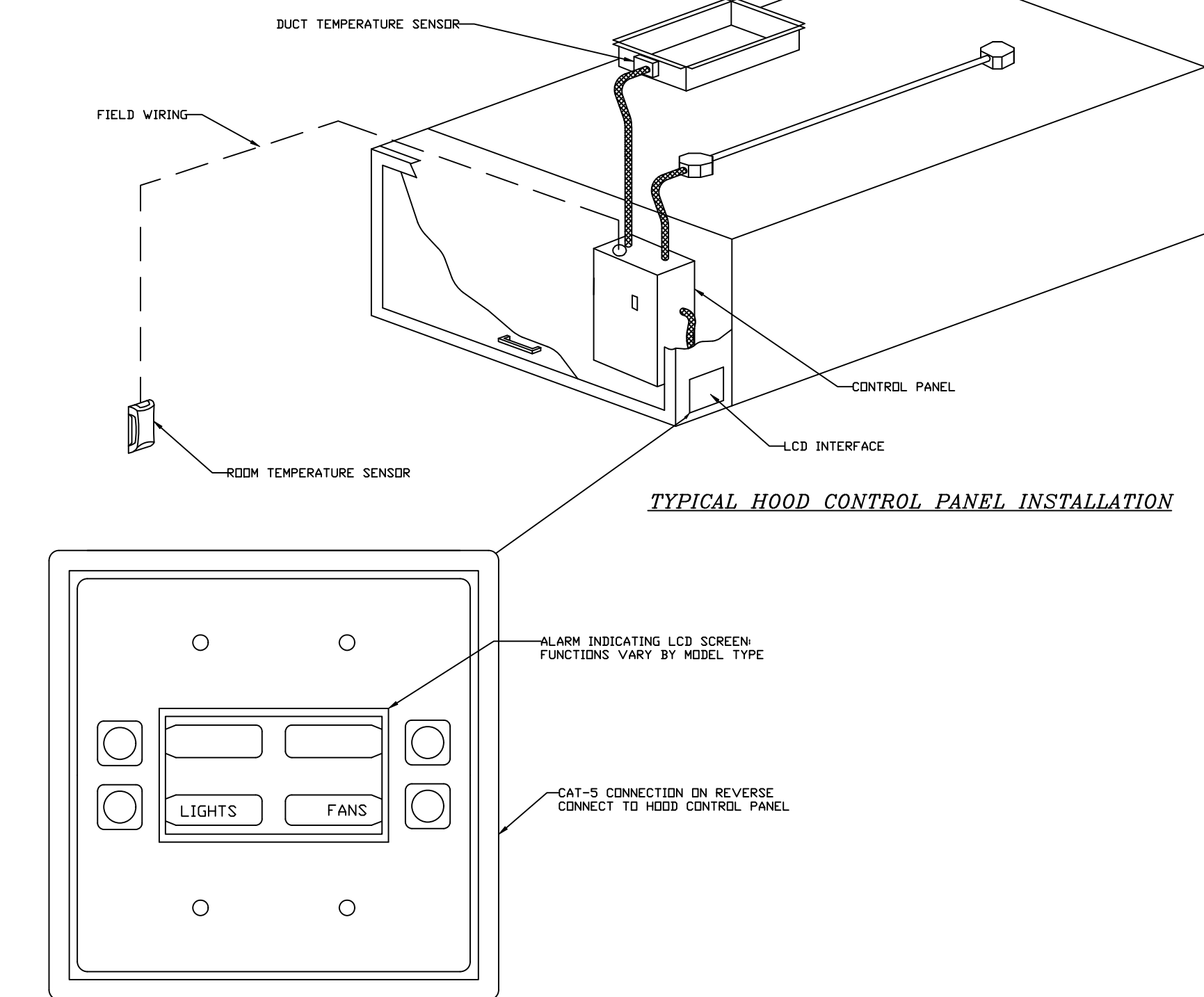


PLAN VIEW - HOOD #1
13' 0.00\"/>

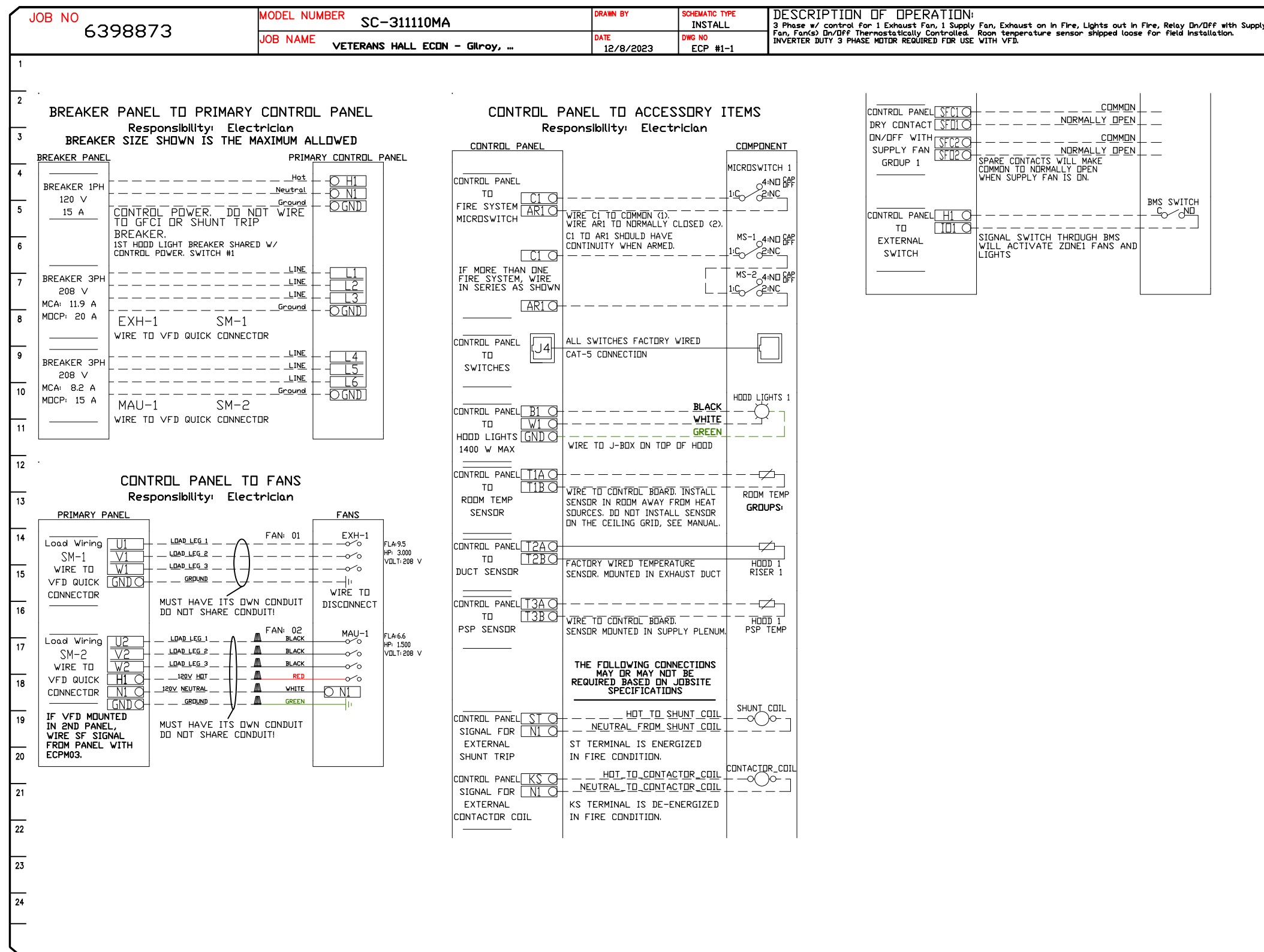


SECTION VIEW - MODEL 5424EX-2-PSP-F
HOOD - #1

UTILITY CABINET CONTROL SYSTEM



TYPICAL INTERFACE CONTROL



ELECTRICAL PACKAGE - JOB#6398873

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	φ	HP	VOLT	FLA
1		SC-311110MA	UTILITY CABINET LEFT	UTILITY CABINET LEFT	1 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL V/ RELAY ON/OFF WITH SUPPLY	KEF-1	EXHAUST	3	3.000	208	9.5
				HOOD # 1	1 FAN							
							MAU-1	SUPPLY	3	1.500	208	6.6

REVISIONS

DESCRIPTION	DATE:

San Jose, CA

www.econair.com

reg89@econair.com

VETERANS HALL ECIN - Gilroy, CA rev1

Gilroy, CA, 95020

DATE: 12/8/2023

DWG.#: 6398873

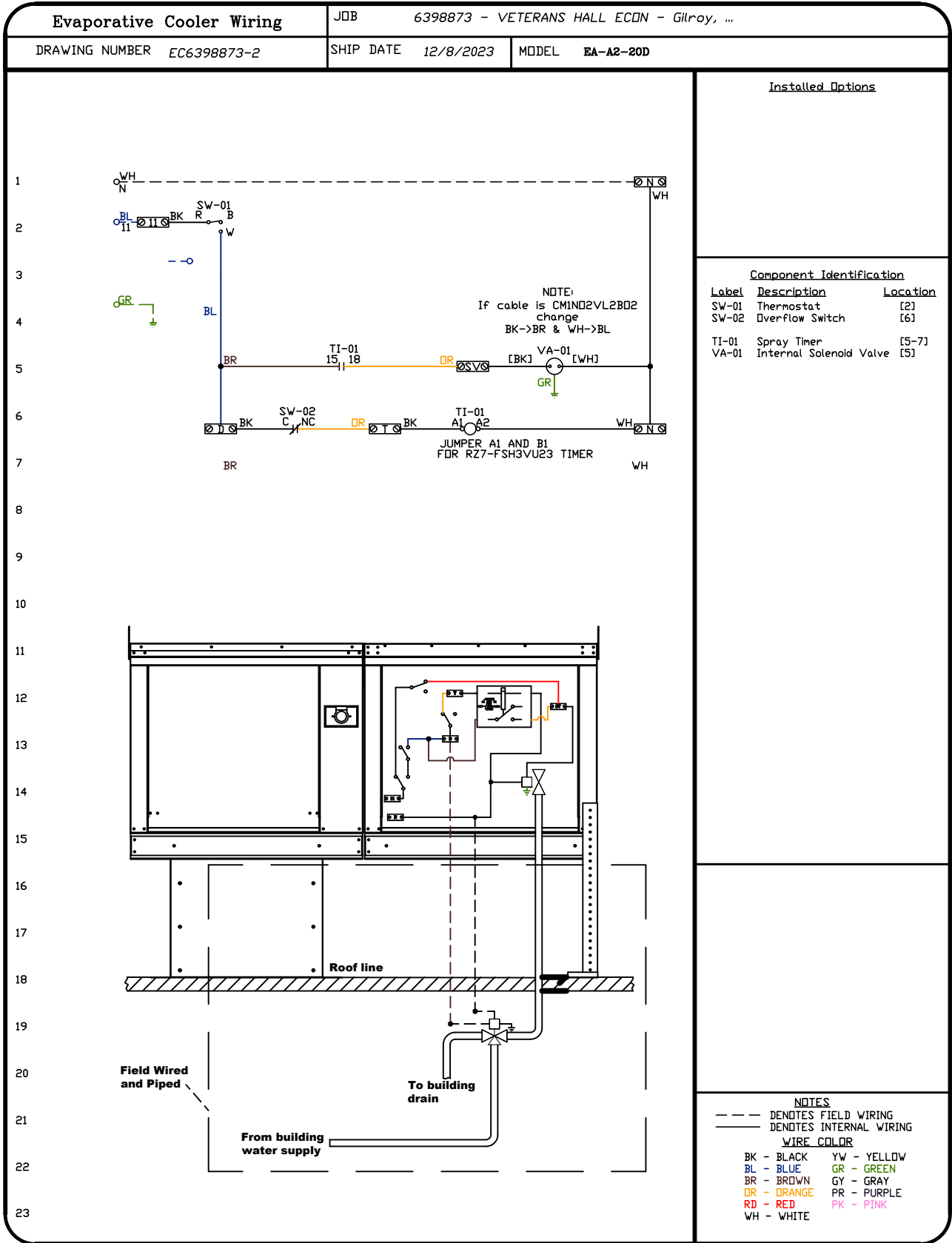
DRAWN BY: RMM

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 2

NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECTS. SYSTEM EFFECT WILL BE INCREASED STATIC PRESSURE, INCREASED FRICTION, REDUCE AIRFLOW, DECREASE PERFORMANCE ON UNIT. SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 20" x 20".



REVISIONS		DATE:
DESCRIPTION		
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VETERANS HALL ECON - Gilroy, CA rev1

Gilroy, CA, 95020

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DATE: 12/8/2023

DWG.#: 6398873

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SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO.

3