

**MODIFICATIONS OF THE
ELDRA SHULTERBRANDT LONG TERM
HEALTH CARE
FACILITY BUILDING
AT
PARCEL 6A ANNA'S RETREAT
ST. THOMAS, VIRGIN ISLANDS**

GRANT NO. D12AP00349 (VI-CIP-2012-3)

Hon. John P. deJongh, Jr.
Governor

Hon. Gregory R. Francis
Lieutenant Governor

Hon Darice S. Plaskett, RN, MPA, FACHE
Commissioner of Health

Hon. Lynn A. Millin Maduro
Commissioner of Property & Procurement

Hon. Darryl A. Smalls, PE
Commissioner of Department of Public Works

PREPARED BY



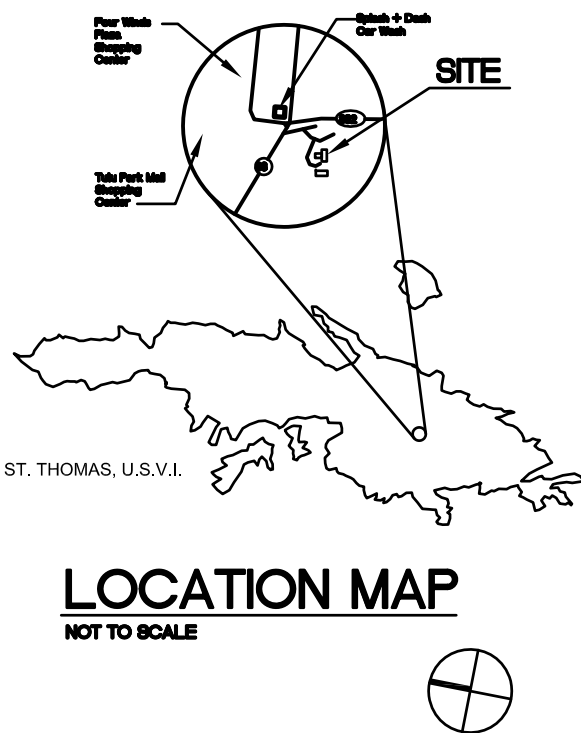
Jaredian Design Group
Architects, Engineers and Planners

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St. Thomas, U.S. Virgin Islands
Telephone 340.777.1600 Fax 340.777.1601

DATE 6-2-14

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[Signature]



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- D

B

- A

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MATCHLINE



A

IN ELEVATION:



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C

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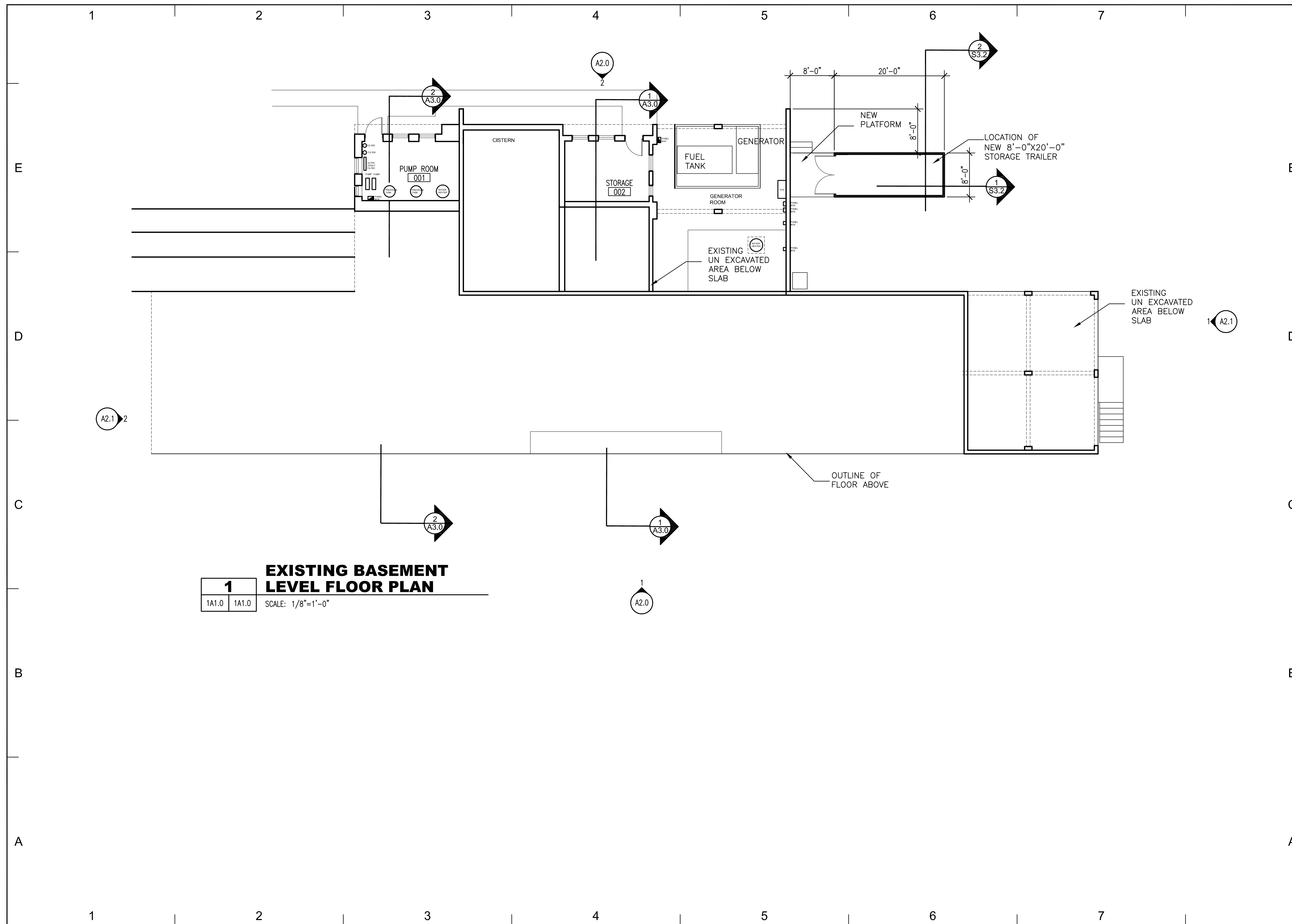
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CONTRACT NO.:

SHEET NO.:

GENERAL NOTES AND ABBREVIATIONS



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[illegible]

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DEMOLITION SYMBOL LEGEND



PORTION OF EXISTING WALL TO BE DEMOLISHED



EXISTING WALL TO REMAIN

DEMOLITION NOTES LEGEND

- 1 REMOVE AND DISCARD EXISTING AC UNIT.
- 2 REMOVE AND DISCARD ALL LOOSE PLASTER ON FLOOR SLAB. PATCH AND REPAIR.
- 3 REMOVE AND DISCARD EXISTING CASEWORK CABINETS AND EQUIPMENT.
- 4 REMOVE AND DISCARD EXISTING TUB AND GRAB BARS. REMOVE ALL TILES AS REQUIRED. CONTRACTOR SHALL PATCH WALL AS NECESSARY TO RECEIVE NEW WALK IN TUB.
- 5 EXISTING DUCTWORK TO BE PATCHED, RE-WRAPPED WITH INSULATION AND RECOATED WITH FLUID APPLIED WATER PROOFING MEMBRANE AS REQUIRED.
- 6 EXISTING TUBULAR STEEL RAIL OR FENCE POST TO BE REMOVED TO MAKE ROOM FOR NEW 4X4 TUBULAR STEEL ROOF POST. ADJUST EXISTING FENCING TO CONNECT TO NEW ROOF POST.
- 7 EXISTING TUBULAR STEEL POST AND FENCE ASSEMBLY TO BE ADJUST ASREQUIRED FOR INSTALLATION OF THE NEW 4X4 ROOF DECK POST.
- 8 REMOVE AND DISCARD EXISTING WOOD FRAMED STAIR AND RAILING ASSEMBLY.
- 9 REMOVE AND DISCARD EXISTING SUSPENDED CEILING ASSEMBLY.
- 10 REMOVE AND DISCARD EXISTING LAVATORIES AND COUNTER. REMOVE ALL TILES AS REQUIRED. CONTRACTOR SHALL PATCH WALL AS NECESSARY TO RECEIVE NEW TILES
- 11 REMOVE & DISCARD EXISTING FULLY ADHERED 12"x12" ACOUSTIC CEILING TILE FROM PLYWOOD SHEATHING. PREPARE FOR NEW 1/2" MOISTURE & MOLD RESISTING GYPSUM WALL BOARD.
- 12 REMOVE & DISCARD EXISTING 2'X2' SUSPENDING CEILING TILES. CONTRACTOR SHALL KEEP & PROTECT EXISTING GRID FOR RE-USE.

GENERAL DEMOLITION NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND BE FAMILIAR WITH ALL SYSTEMS BEFORE DEMOLITION. DEMOLITION SHALL COMPLY WITH THE RULES & REGULATIONS OF THE FEDERAL, STATE, COUNTRY AND CITY GOVERNMENTS. EXISTING SERVICES SHALL BE MAINTAINED DURING DEMOLITION. ANY SHUTDOWN OF SYSTEMS MUST BE COORDINATED & APPROVED BY THE OWNER. CONTRACTOR SHOULD COORDINATE WORK WITH ALL TRADES & PROVIDE SUPERVISION WHILE WORK IS BEING PERFORMED.
2. THE CONTRACTOR SHALL VERIFY WITH THE OWNER, ALL MATERIALS TO BE RETAINED BY THE OWNER & DELIVER & STORE SAME WHERE DIRECTED BY THE OWNER. ALL REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR & SHALL BE DISPOSED OF IN A LEGAL MANNER.
3. DO NOT INTERFERE WITH USE OF ADJACENT AREAS. MAINTAIN FREE & SAFE PASSAGE TO & FROM ADJACENT AREAS. PROVIDE, ERECT & MAINTAIN BARRICADES & LIGHTING AS REQUIRED BY APPLICABLE REGULATORY ADVISORY TO PROTECT OCCUPANTS OF THE BUILDING & WORKERS.
4. REMOVE EXISTING ELEMENTS AS INDICATED BY LEGEND. SURFACES OF EXISTING AREAS WHICH HAVE BEEN ALTERED BY DEMOLITION NOT SPECIFICALLY CALLED FOR SHALL BE REPAIRED & FINISHED TO MATCH THE ADJACENT SURFACES. PROTECT ALL EXISTING OR REMAINING SURFACES, FLOORS, WALLS & CEILINGS FROM AREAS OF DEMOLITION & NEW CONSTRUCTION.
5. CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS & NOTIFY THE ARCHITECT OF DISSIMILARITIES BEFORE PROCEEDING WITH DEMOLITION WORK. ALL WORK SHALL BE COORDINATED WITH DRAWINGS FOR NEW CONSTRUCTION.
6. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO DEMOLITION OR CONSTRUCTION IN EXISTING AREAS
7. ERECT & MAINTAIN DUST PROOF PARTITIONS AS REQUIRED TO PREVENT THE SPREAD OF DUST, FUMES & SMOKE TO OTHER PARTS OF THE BUILDING. MAINTAIN EXIT REQUIREMENTS, COORDINATE EXACT LOCATION WITH OWNER. ON COMPLETION OF WORK, REMOVE TEMPORARY PARTITIONS & REPAIR DAMAGED SURFACES TO MATCH ADJACENT SURFACES.
8. ARRANGE & PAY FOR DISCONNECTING, REMOVING & CAPPING UTILITY SERVICES WITHIN AREAS OF DEMOLITION. DISCONNECT & STUB-OFF, NOTIFY THE AFFECTED UTILITY COMPANY & OBTAIN APPROVAL BEFORE STARTING THIS WORK.
9. REMOVE FROM THE SITE ALL CONTAMINATED, VERMIN INFESTED OR DANGEROUS MATERIALS ENCOUNTERED & DISPOSE OF BY LEGAL MEANS. DO NOT ENDANGER THE HEALTH OF WORKERS OF THE PUBLIC.
10. THE OWNER RESERVES THE RIGHT TO SALVAGE ANY MATERIAL OR PORTION THEREOF FROM DEMOLISHED MATERIAL BEFORE IT IS DISPOSED OF.
11. ALL PLUMBING (POTABLE, SANITARY, ETC.) REQUIRED FOR OTHER FLOORS ABOVE OR BELOW SHALL NOT BE DISRUPTED OR REMOVED. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL SERVICES PRIOR TO REMOVAL OR DISCONNECTION OF ALL SERVICES (ELECTRICAL, HVAC, PLUMBING, SECURITY & TEL./DATA) FOR ADJOINING OCCUPIED SPACES SHALL BE MAINTAINED. CONTRACTOR TO MAKE MINOR ADJUSTMENTS AS REQUIRED TO MAINTAIN PLUMBING, ELECTRICAL & TEL./DATA TO OCCUPIED AREAS.
12. THE CONTRACTOR SHALL SURVEY THE EXISTING EQUIPMENT & FURNISHINGS & DISCARD ALL EQUIPMENT & FURNISHINGS NOT DESIGNATED BY OWNER OR OWNER'S REPRESENTATIVE TO BE SALVAGED.
13. WHERE EXISTING WALLS ARE INDICATED TO BE REMOVED, PATCH INTERSECTING WALLS TO REMAIN FLUSH TO ACCEPT NEW FINISH.
14. CONTRACTOR SHALL USE LEVEL COMPOUND TO INSURE A SMOOTH AND LEVEL SURFACE FOR THE INSTALLATION OF THE NEW FLOOR TILES
15. CONTRACTOR SHALL USE LEVEL COMPOUND TO INSURE A SMOOTH AND LEVEL SURFACE FOR THE INSTALLATION OF THE NEW FLOOR TILES
16. CONTRACTOR SHALL REMOVE AND DISCARD EXISTING FULLY ADHERED ACOUSTIC CEILING TILES FROM THE PLYWOOD SUBSTRATE IN ALL PATIENT ROOMS. THEY SHALL PREPARE EXISTING SHEATHING TO RECEIVE NEW GYPSUM BOARD FINISH.
17. CONTRACTOR HAVE ALL OF THE EXISTING VCT FLOORING PROFESSIONALLY CLEANED.
18. CONTRACTOR SHALL REMOVE AND DELIVER ALL EXISTING APPLIANCES AND FIXTURES FROM KITCHEN AND LAUNDRY FOR SALVAGE TO A SITE AS DETERMINED BY THE DEPARTMENT OF HEALTH.
19. THE CONTRACTOR SHALL REMOVE AND DISCARD EXISTING FULLY ADHERED CEILING TILES FROM PLYWOOD SUBSTRATE IN ALL ROOMS. CONTRACTOR MUST PROVIDE LINE ITEM PRICE FOR THE REMOVAL AND INSTALLATION OF NEW ½" MOISTURE AND MOLD GYPSUM BOARD SHEATHING.
20. LAUNDRY ROOM 124 TO RECEIVE NEW SUSPENDED CEILING SYSTEM INCLUSIVE OF NEW 2X2 ACOUSTIC CEILING TILE & GRID SYSTEM.

ELDRA SHULTERBRANDT
LONG TERM HEALTH CARE
REHABILITATION FACILITY
PARCEL 6A ANNA'S RETREAT
ST. THOMAS, U.S.V.I

DATE: 6-2-14

DRAWN BY: K.R.B

CHECKED BY: K.R.B

APPROVED BY: J.P.W

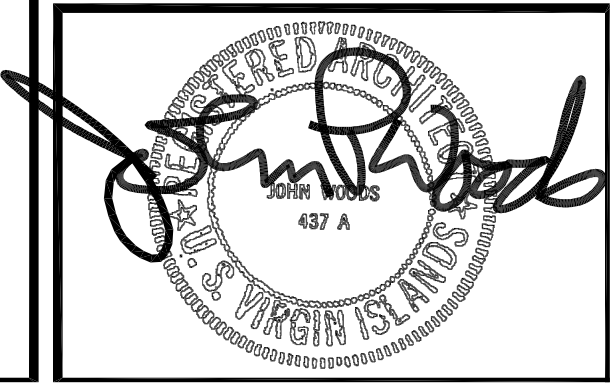
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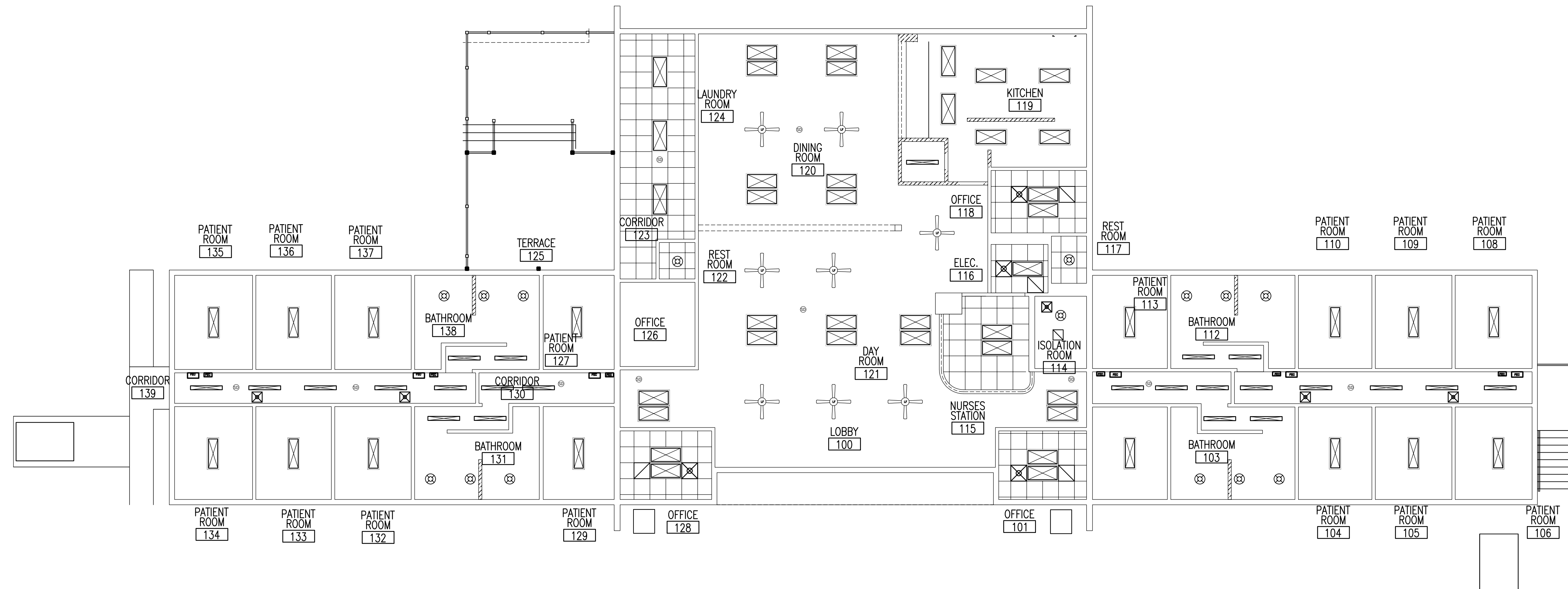
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2A1.1

**FIRST
LEVEL DEMOLITION
PLAN**





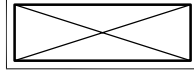
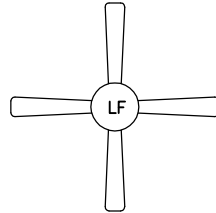
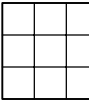
FIRST LEVEL REFLECTED CEILING PLAN

1	
2A1.3	2A1.3

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

REFER TO SHEET A4.0 ROOM FINISH SCHEDULE

LEGEND

- | | | | |
|---|--|---|---------------------------|
|  | CEILING GRILLE, REGISTER FOR RETURN OR EXHAUST AIR |  | 220 ELECTRICAL RECEPTACLE |
|  | CEILING SUPPLY DIFFUSER RECTANGULAR OR SQUARE |  | DATA/PHONE PORT |
|  | CEILING MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROWS |  | LIGHT SWITCH |
|  | CEILING MOUNTED LIGHT FIXTURES |  | FIRE EXTINGUISHER CABINET |
|  | FLUORESCENT LIGHT FIXTURES |  | FIRE ALARM BOX |
|  | FLUORESCENT LIGHT FIXTURES |  | PANEL BOX |
|  | CEILING FAN WITH LIGHT KIT |  | DISCONNECT SWITCH |
|  | SMOKE DETECTOR | E.S. | EXPOSED STRUCTURE |
|  | 24" x 24" SUSPENDED ACOUSTIC CEILING TILE SYSTEM | | |
|  | ELECTRICAL RECEPTACLE | | |

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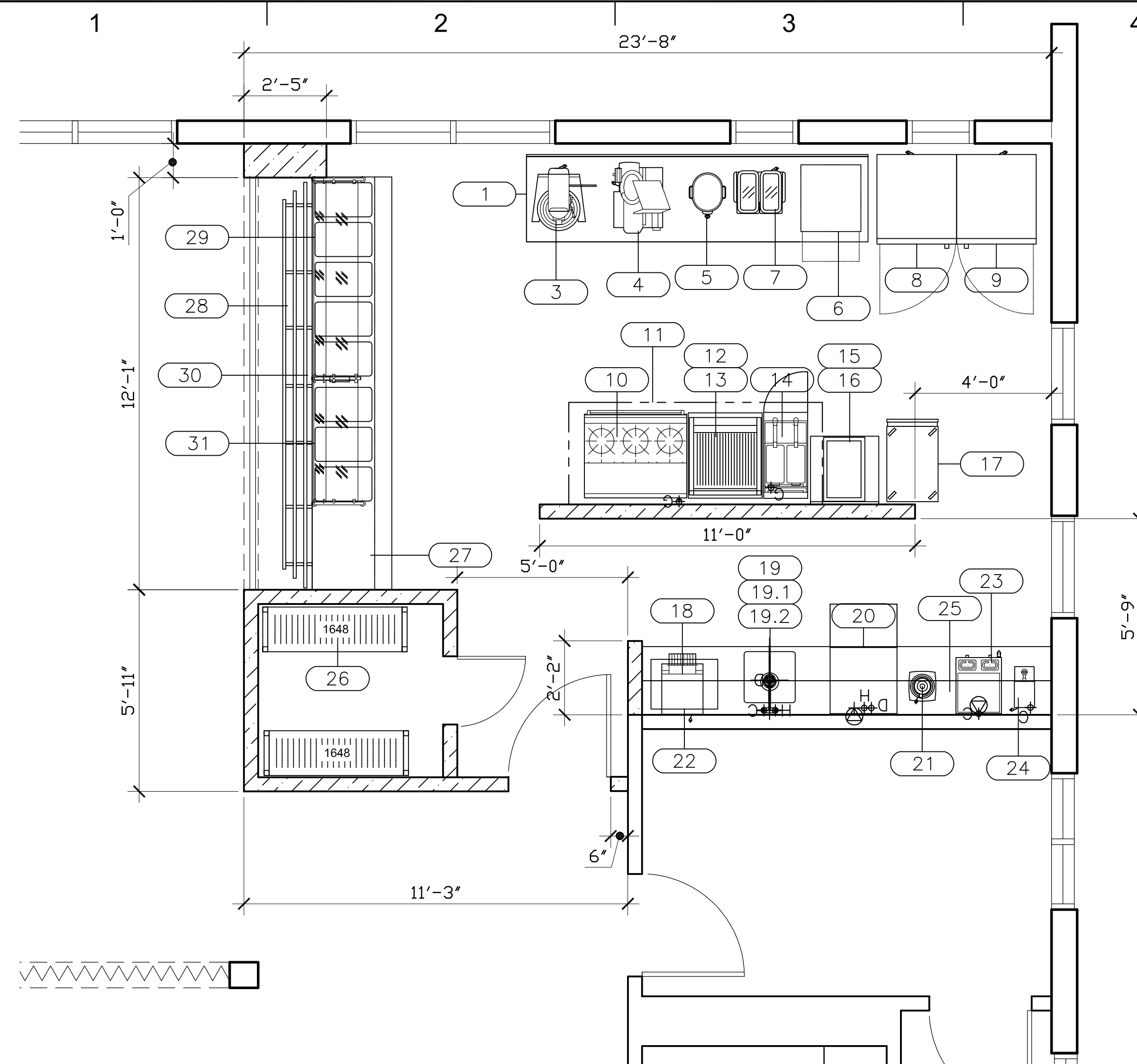
CONTRACT NO.:

SHEET NO.:

2A1.3

**FIRST LEVEL
PROPOSED REFLECTED
CEILING PLAN**





1		KITCHEN PLAN
2A1.4	2A1.4	SCALE: 3/8"=1'-0"

EQUIPMENT SCHEDULE

ITEM NO	QTY	EQUIPMENT CATEGORY
1	1	WORK TABLE
3	1	MIXER, COUNTER
4	1	SLICER, FOOD
5	1	DISPENSER, TEA
6	1	ICE MACHINE
7	1	DISPENSER, BEVERAGE
8	1	REACH IN FREEZER
9	1	REACH IN REFRIGERATOR
10	1	RANGE, RESTAURANT, GAS
11	1	EXHAUST HOOD SYSTEM
12	1	STAND, EQUIPMENT
13	1	BROILER, UNDER-FIRED/GAS
14	1	FRYER, DEEP FAT, GAS
15	1	WORK TABLE
16	1	FOOD WARMER
17	1	UTILITY CART
18	1	TOASTER, CONVEYOR
19	1	WORK TABLE W/SINK
19.1	1	FAUCET, DECK MOUNT
19.2	1	DRAIN, LEVER HANDLE, W/ OVERFLOW
20	1	WAREWASHER, UNDERCOUNTER
21	1	MIXER/BLENDER
22	1	GREASE TRAP
23	1	COFFEE BREWER FOR AIRPOT
24	1	DISPENSER, HOT WATER
25	1	WALL SHELF
26	2	RUST PROOF SHELVES
27	1	CAFETERIA COUNTER
28	2	TRAY SLIDE RAIL
29	1	DROP-IN HOT FOOD WELL UNIT,GAS
30	2	SNEEZE GUARDS
31	1	DROP-IN REFRIGERATE COLD PAN UNIT

[illegible][illegible]

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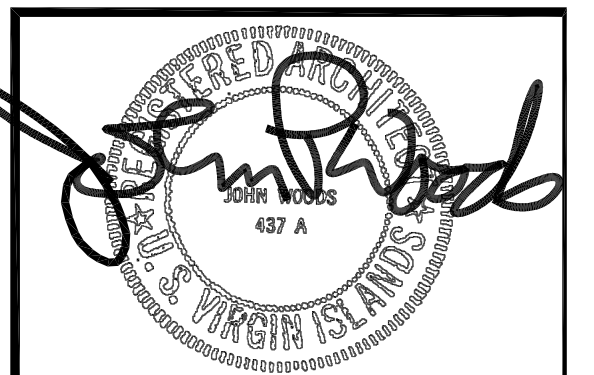
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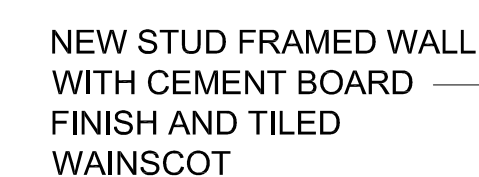
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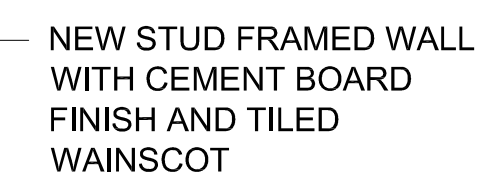
2A1.4

KITCHEN PROPOSED FLOOR PLAN

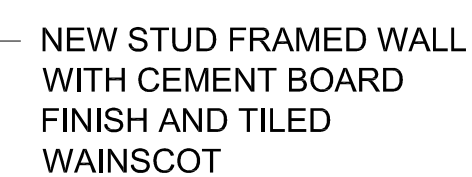




**REST ROOM 103
ENLARGED FLOOR PLAN**



REST ROOM 131 ENLARGED FLOOR PLAN



REST ROOM 112 ENLARGED FLOOR PLAN



REST ROOM 138 ENLARGED FLOOR PLAN

CONSULTANTS



1	
A2.1	A2.1



2	
A2.1	A2.1

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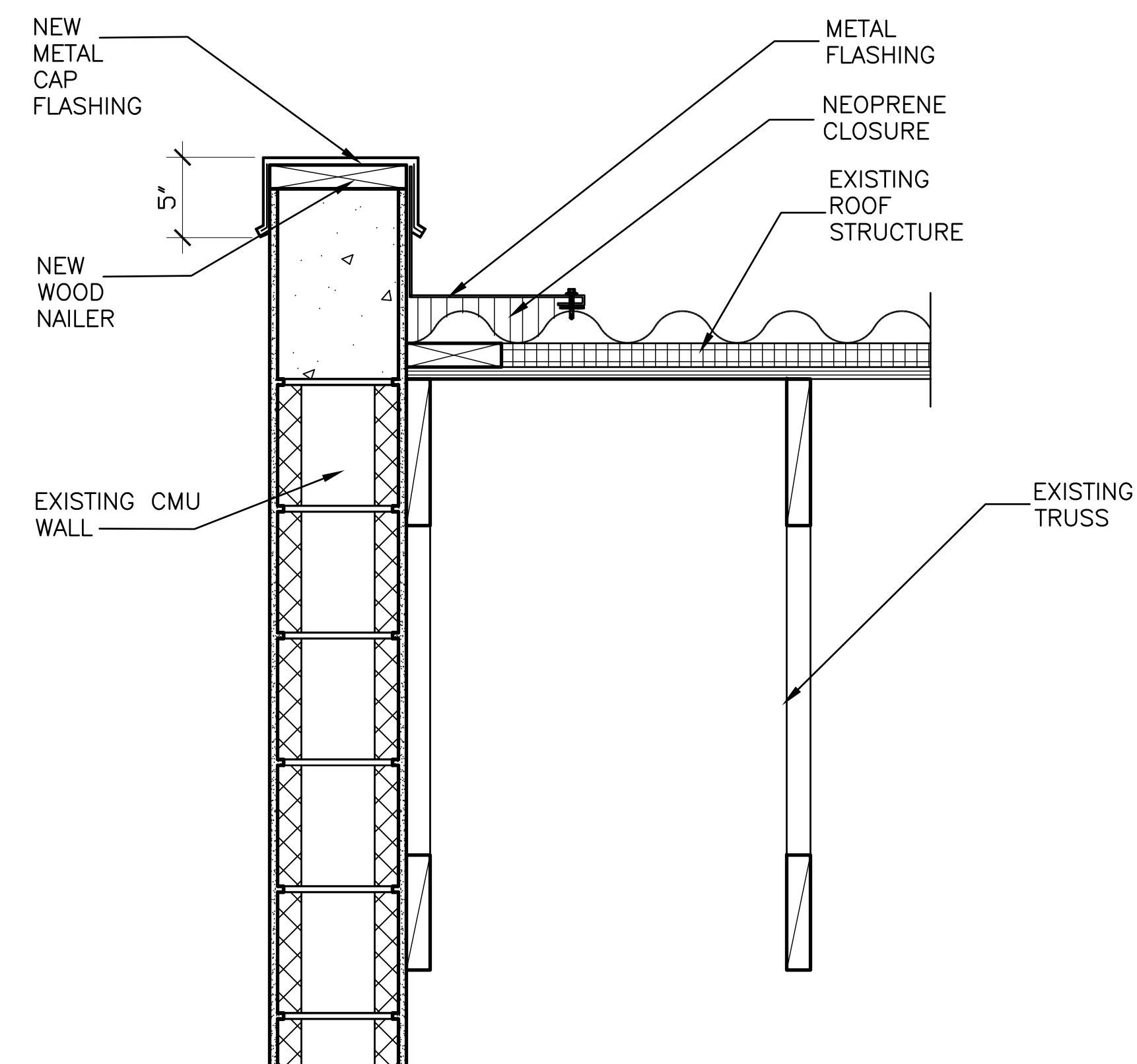
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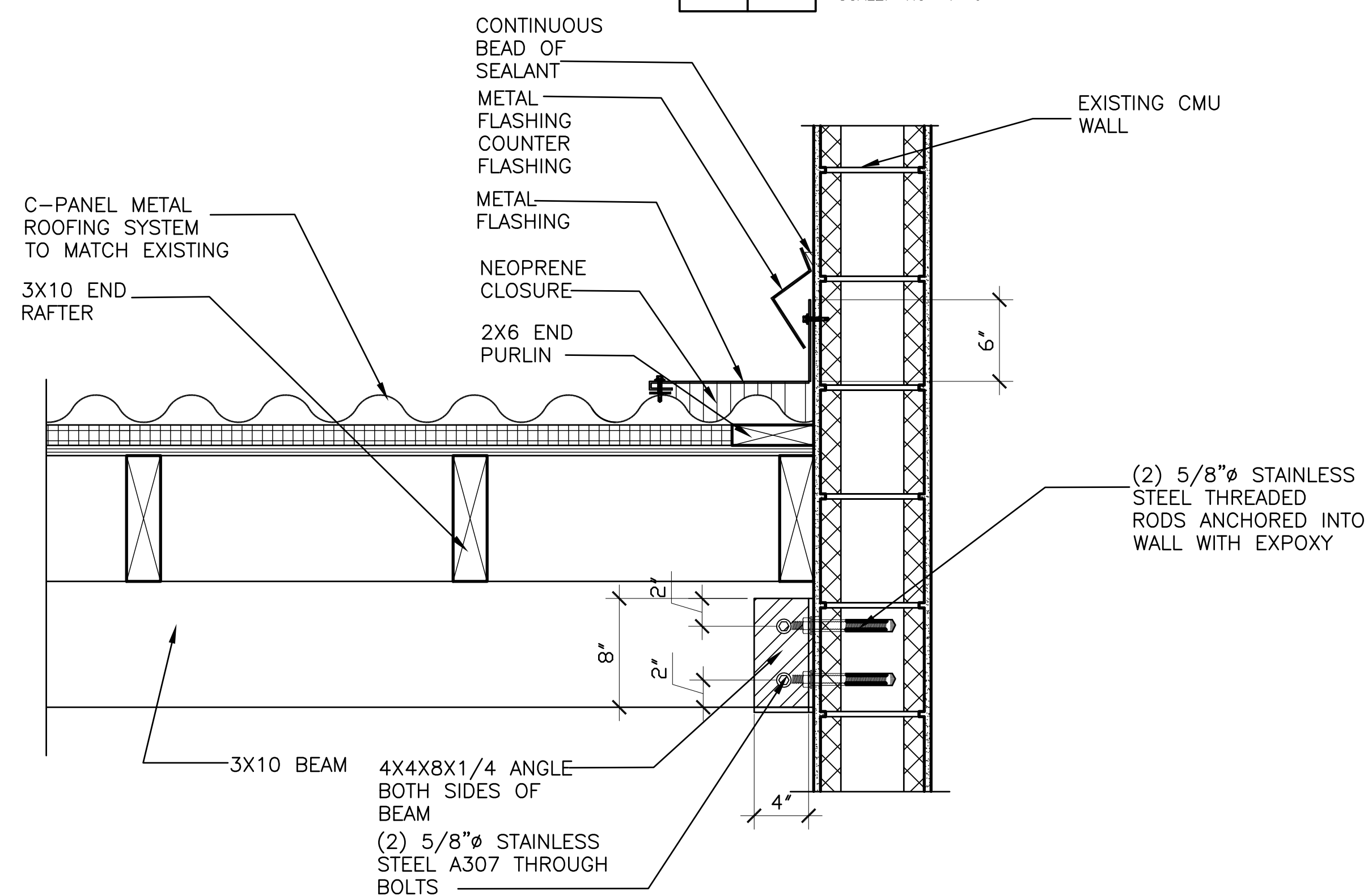
A2.1

ELEVATIONS





3		ROOF DETAIL
S2.0	S2.0	SCALE: 1.5"=1'-0"



4		ROOF DETAIL
S2.0	S2.0	SCALE: 1.5"=1'-0"

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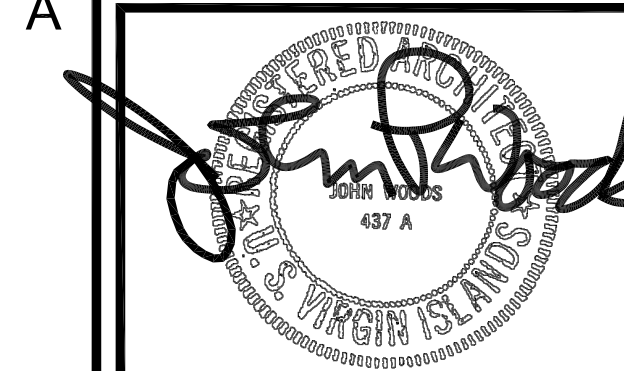
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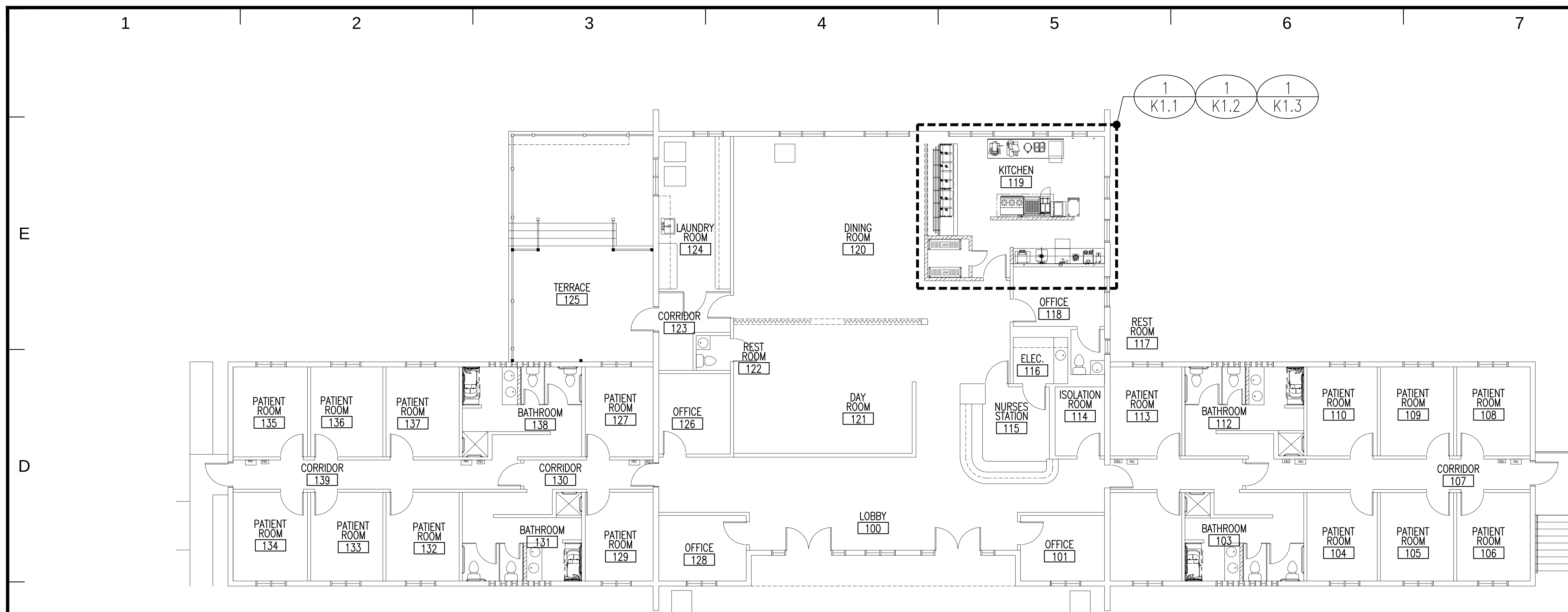
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S2.0

SECTIONS



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DRAWN BY: L.C

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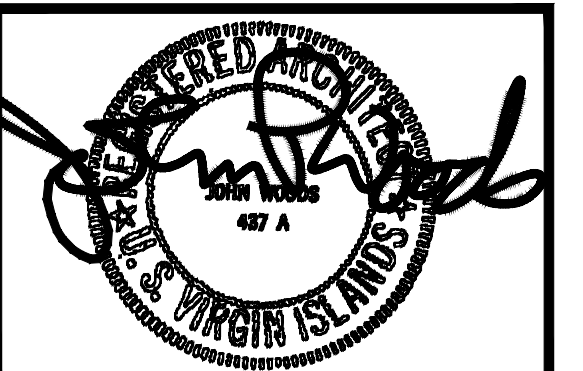
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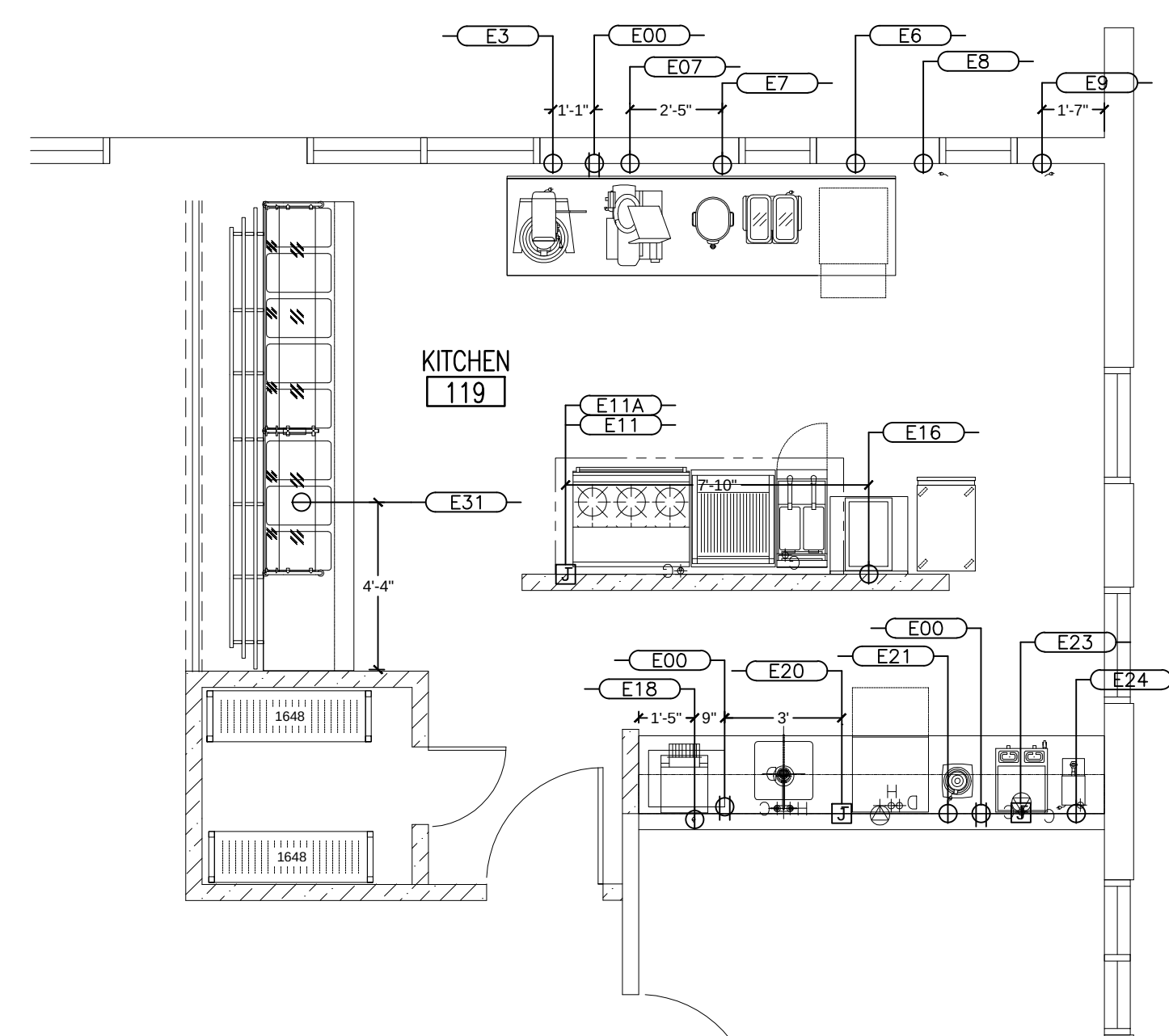
OVERALL KITCHEN FLOOR PLAN

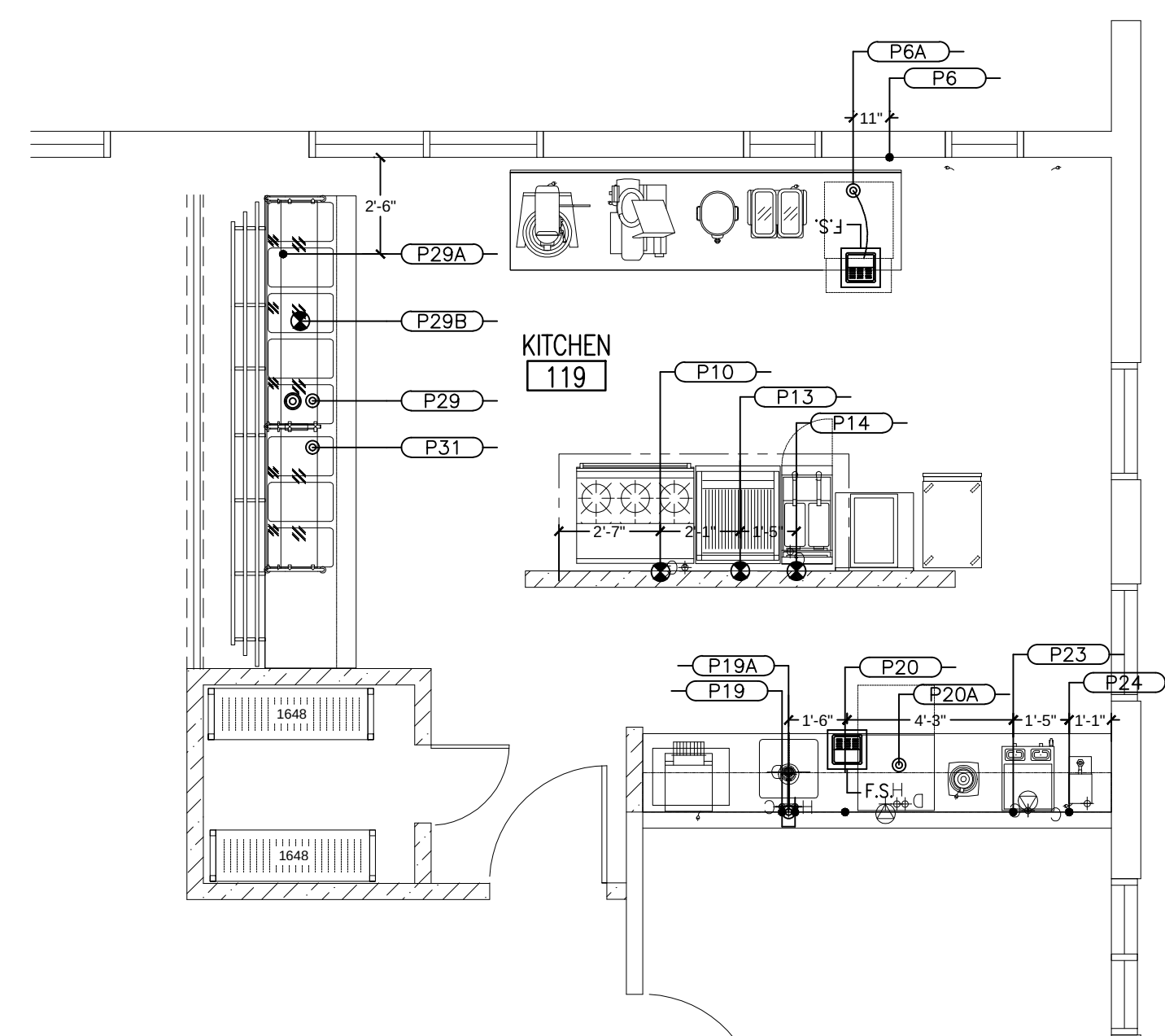




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18	1	TOASTER, CONVEYOR
19	1	WORK TABLE W/SINK
19.1	1	FAUCET, DECK MOUNT
19.2	1	DRAIN, LEVER HANDLE, W/ OVERFLOW
20	1	WAREWASHER, UNDERCOUNTER
21	1	MIXER/BLENDER
22	1	GREASE TRAP
23	1	COFFEE BREWER FOR AIRPORT
24	1	DISPENSER, HOT WATER
25	1	WALL SHELF
26	2	RUST PROOF SHELVES
27	1	CAFETERIA COUNTER
28	2	TRAY SLIDE RAIL
29	1	DROP-IN HOT FOOD WELL UNIT,GAS
30	2	SNEEZE GUARDS
31	1	DROP-IN REFRIGERATE COLD PAN UNIT

A circular stamp from the U.S. Virgin Islands. The outer ring contains the text "RECEIVED ARCHIVES" at the top and "U.S. VIRGIN ISLANDS" at the bottom. In the center, it says "JAN 1988" and "487 A". A handwritten signature in black ink is written across the stamp.





PLUMBING SCHEDULE		
Item No	Qty	Equipment Category
P6	1	1/2" CW. +18" AFF
P6A	1	1" L.WASTE TO FLOOR SINK
P10	1	3/4" GAS CONN 191 MBTU + 18" AFF.
P13	1	3/4" GAS CONN 58 MBTU + 18" AFF.
P14	1	3/4" GAS CONN 90 MBTU + 18" AFF.
P19	1	1/2" CW.-HW. +18" AFF
P19A	1	1/2" WASTE +12" AFF
P20	1	1/2" HW. +18" AFF
P20A	1	1" L.WASTE TO FLOOR SINK
P23	1	1/2" CW. +48" AFF
P24	1	1/2" CW. +48" AFF
P29	1	1 1/2" S.WASTE W/ FUNNEL +4" AFF
P29A	1	1/2" CW. +4" AFF
P29B	1	3/4" GAS CONN 40 MBTU +4" AFF
P31	1	1 1/2" S.WASTE W/ FUNNEL +4" AFF

[illegible][illegible]

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ELDRA SHULTERBRANDT
LONG TERM HEALTH CARE
REHABILITATION FACILITY
PARCEL 6A ANNA'S RETREAT
ST. THOMAS, U.S.V.I

DATE: 6-2-14

DRAWN BY: L.C

CHECKED BY: K.R.B

APPROVED BY: J.P.W.

PROJECT NO: 13-016A
CONTRACT NO:

SHEET NO: **K1.3**

**KITCHEN PLUMBING
ROUGH-IN PLAN**



HOOD INFORMATION

HOOD NO.	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM RISER(S)					SUPPLY PLENUM RISER(S)					HOOD CONSTRUCTION	HOOD CONFIG.			
				TOTAL EXH. CFM	WIDTH	LENG.	DIA.	CFM	S.P.	TOTAL SUP. CFM	WIDTH	LENG.	DIA.		CFM	S.P.	END TO END	ROW
1	5424 ND-2-PSP-F	7' 6.00"	450 Deg.	1875	10"	18"		1875	-0.470"	1500					430 SS Where Exposed	ALONE	ALONE	

HOOD INFORMATION

HOOD NO.	FILTER(S)				LIGHT(S)			UTILITY CABINET(S)							FIRE SYSTEM PIPING	HOOD HANGING WGT
	TYPE	QTY.	HEIGHT	LENGTH	QTY.	TYPE	WIRE GUARD	LOCATION	FIRE SYSTEM		ELECTRICAL		SWITCHES			
									TYPE	SIZE	MODEL #	QUANTITY	LOCATION			
1	SS Baffle with Handles	3	2	16" 16" 20"	3	Incandescent Light Fixt	NO	Left	Ansul R102	3.0	21111002	1 Light 1 Fan	Outside	NO	423 LBS	

PERFORATED SUPPLY PLENUM(S)

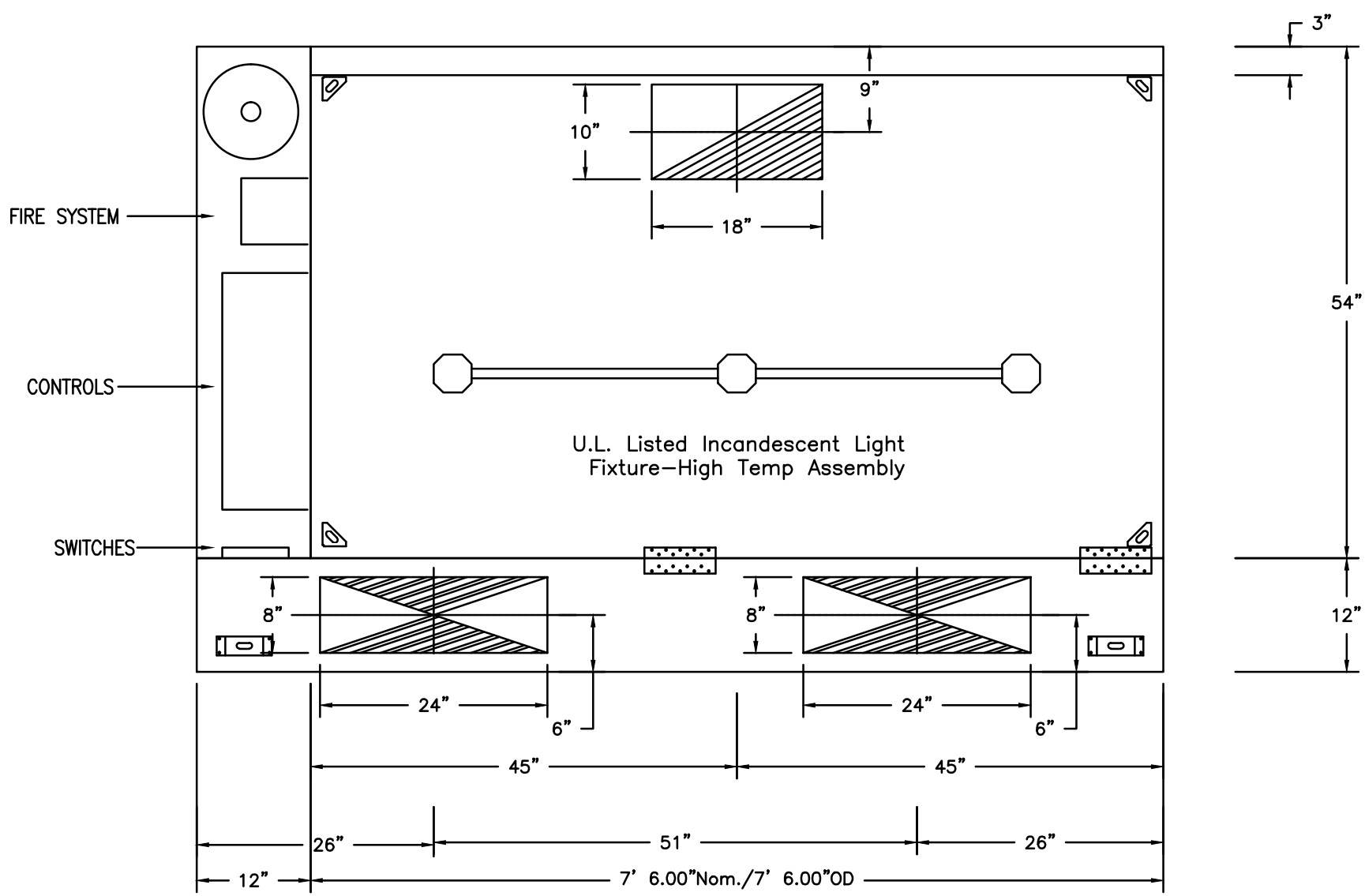
HOOD NO.	POS.	LENGTH	WIDTH	HEIGHT	RISER(S)				
					WIDTH	LENG.	DIA.	CFM	S.P.
1	Front	102"	12"	6"	8"	24"		750	0.259"
					8"	24"		750	0.259"

EXHAUST FAN INFORMATION

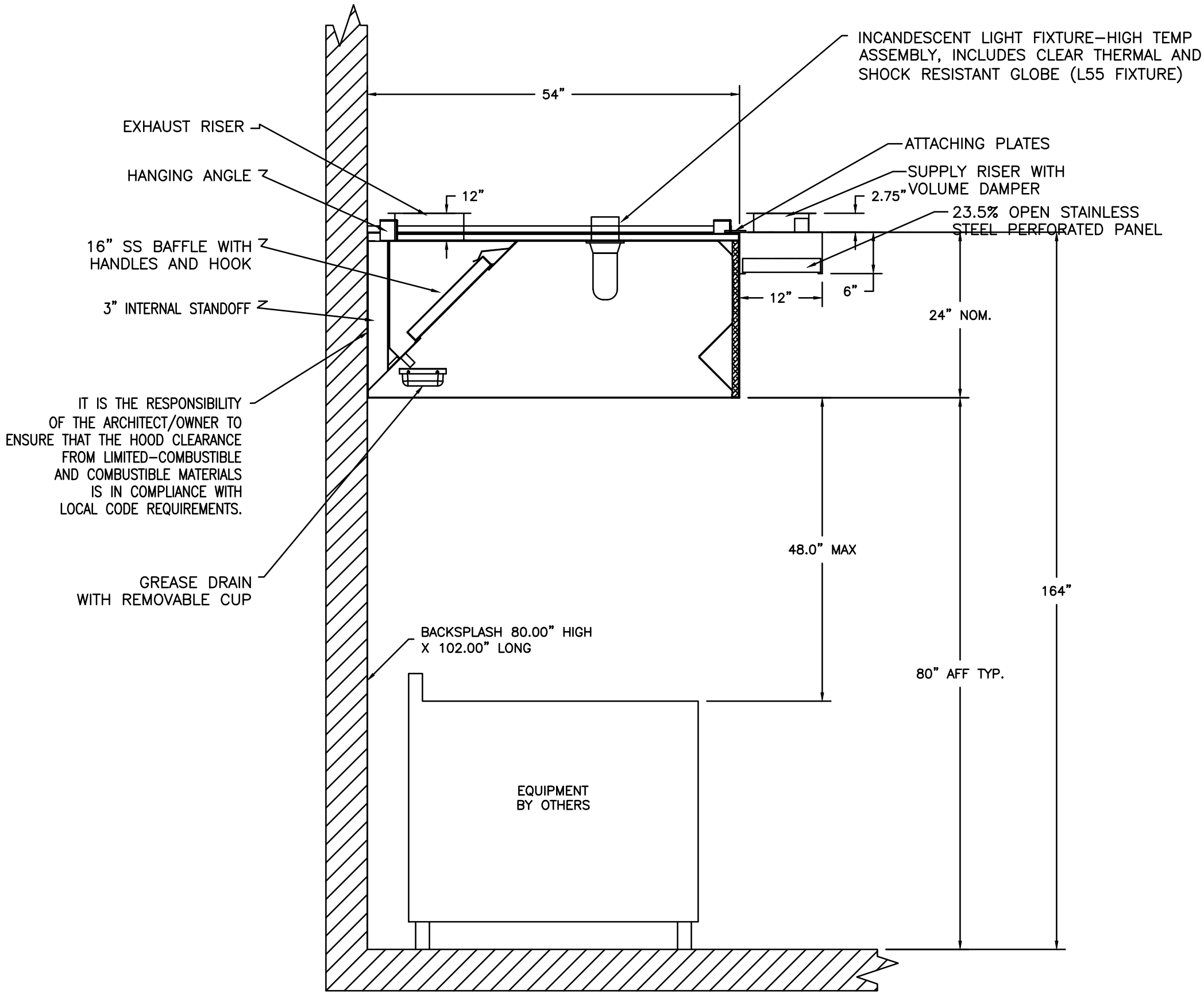
FAN UNIT NO.	FAN UNIT MODEL #	MODEL	TAG	CFM	S.P.	RPM	H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)
KEF-1	NCA14FA	NCA14FA		1875	1.000	1199	1.000	1	208	7.0	133.14

MUA FAN INFORMATION

FAN UNIT NO.	FAN UNIT MODEL #	BLOWER	HOUSING	TAG	CFM	S.P.	RPM	H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)
MUA-1	NSAU1-G10	G10	NSAU.1		1500	0.700	841	0.750	1	208	6.0	195.00



PLAN VIEW - Hood #1
7' 6.00" LONG 5424ND-2-PSP-F
N.T.S.



SECTION VIEW - HOOD #1
MODEL 5424ND-2-PSP-F
N.T.S.

FEATURES:

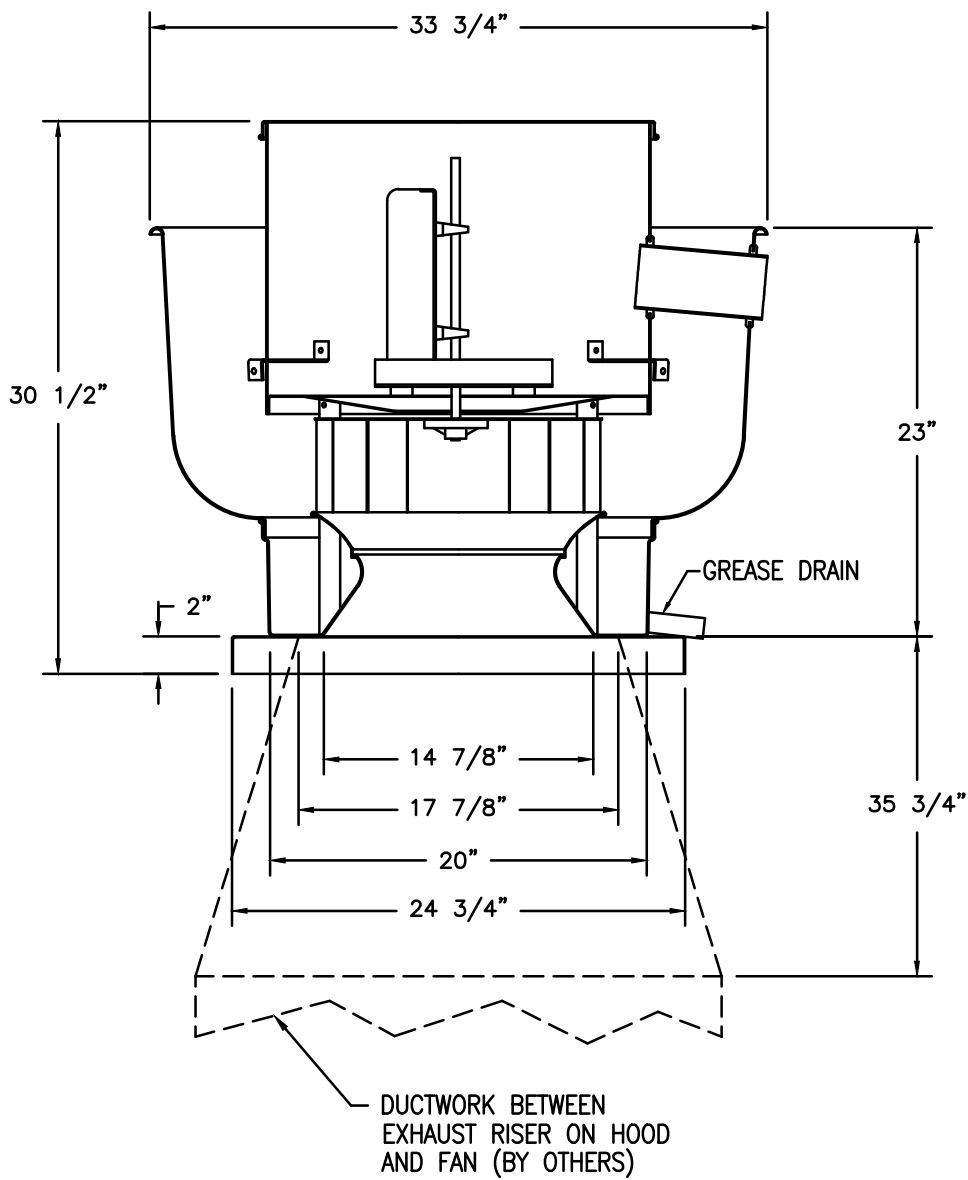
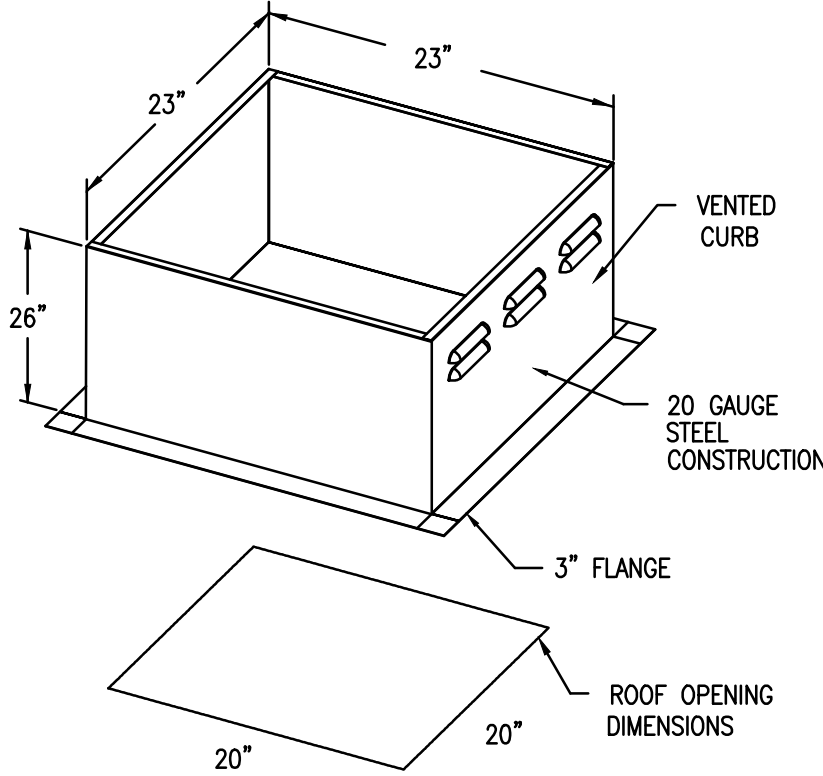
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

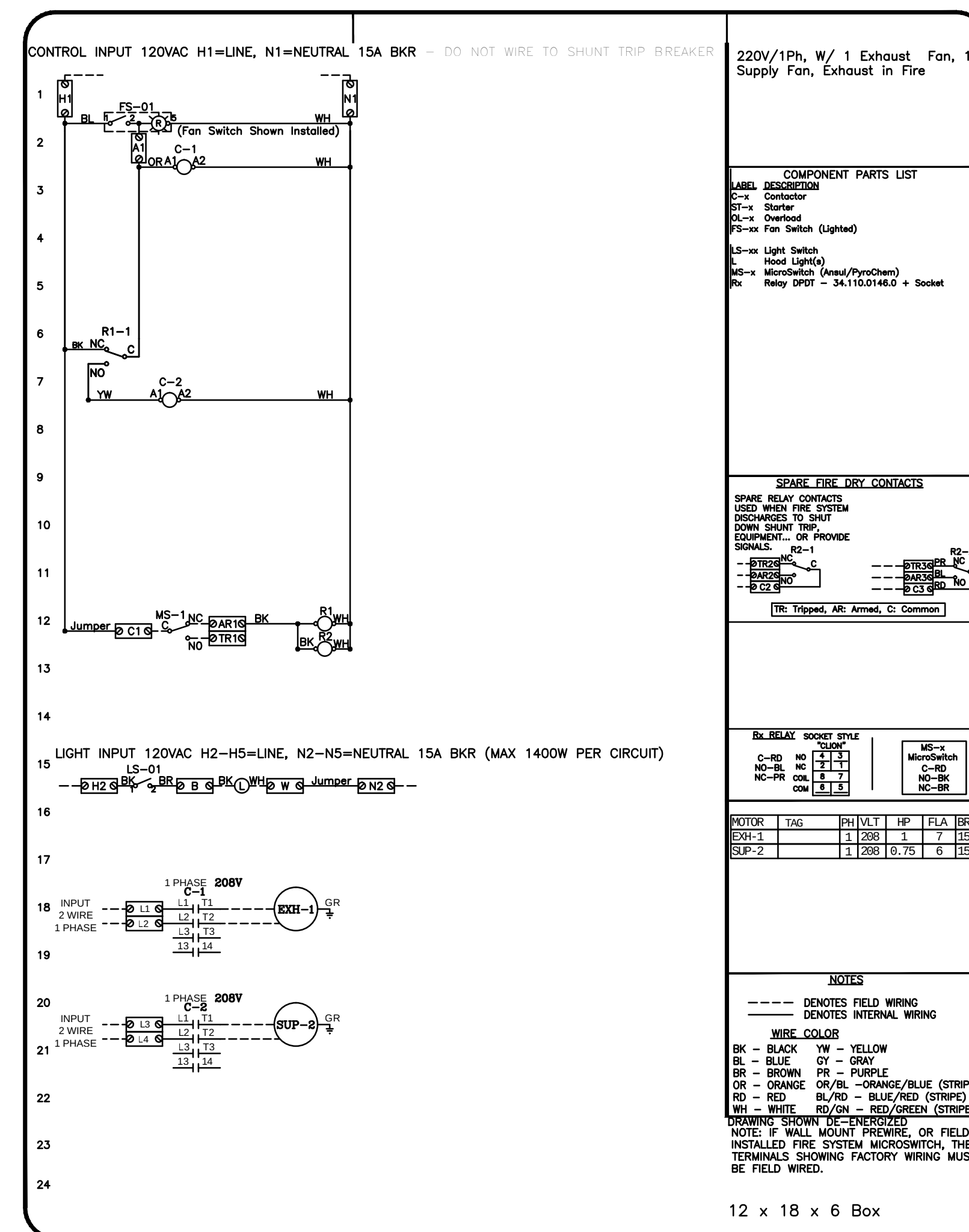
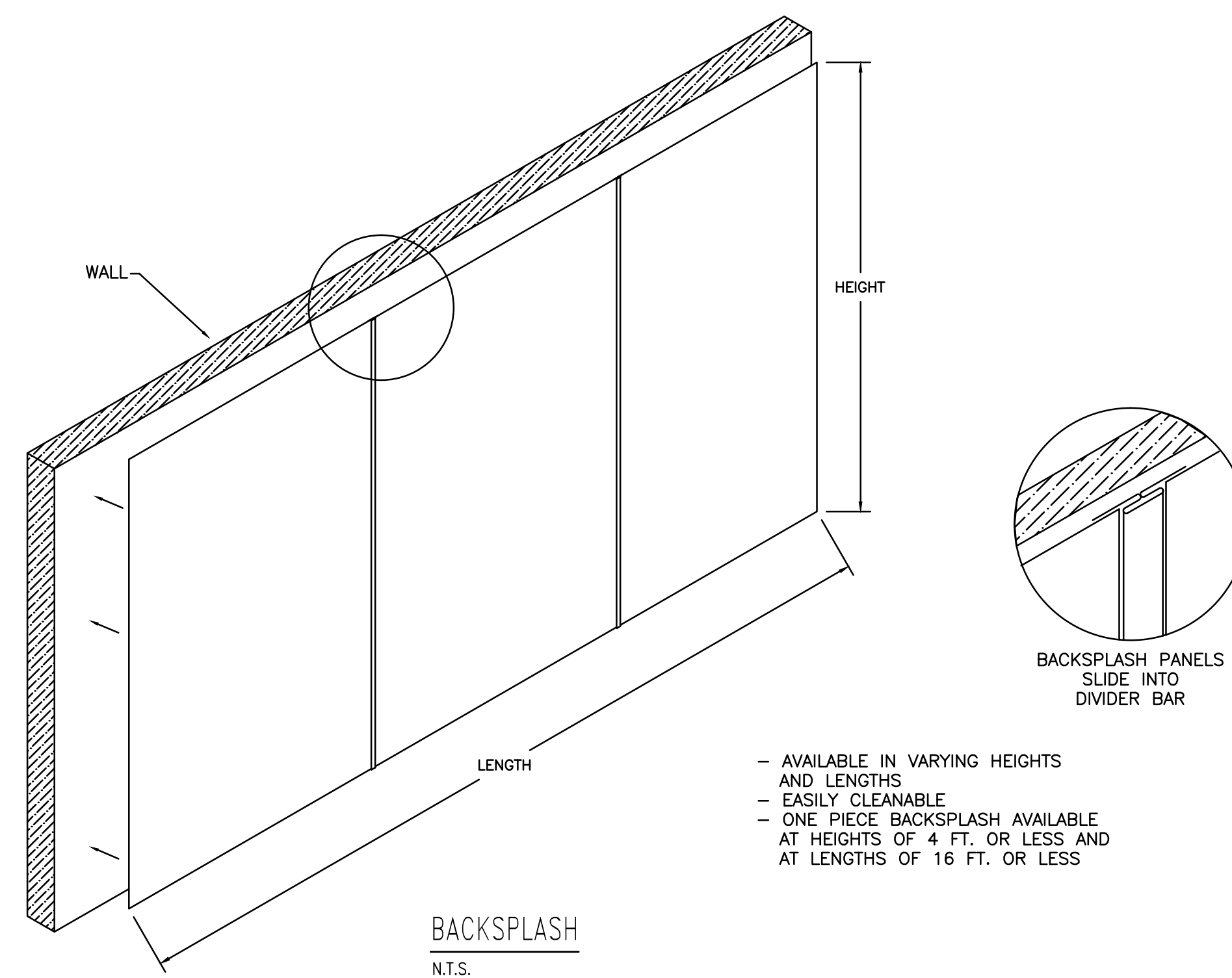
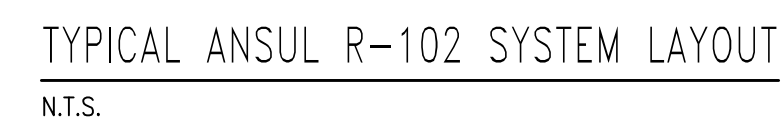
ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

GREASE BOX



FAN #1 NCA14FA - EXHAUST FAN
N.T.S.

[illegible][illegible]

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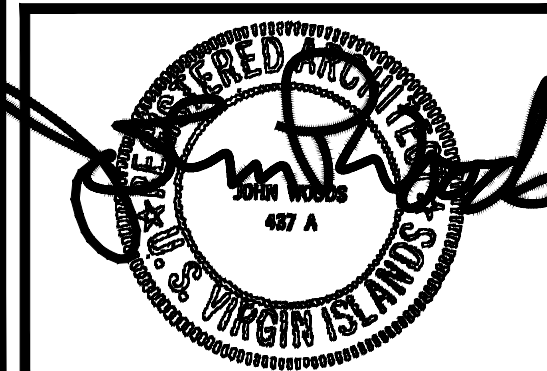
DRAWN BY: L.C

CHECKED BY: K.R.B

APPROVED BY: J.P.W.

PROJECT NO:	13-016A
CONTRACT NO:	

SHEET NO:
K3.0



ED

C

A



487 A

ST. JOHN VIRGIN ISLANDS

1. PROVIDE ALL PLUMBING ITEMS INDICATED ON THE DRAWINGS, DESCRIBED HEREIN:
OR OTHERWISE REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, INCLUDING:
A. PLUMBING FIXTURES, FITTINGS AND EQUIPMENT.
B. HOT AND COLD WATER SYSTEMS.
C. DRAIN WASTE AND VENT PIPING SYSTEMS.
D. INDIRECT WASTE PIPING, INCLUDING ALL VALVES, TRAPS, PIPING AND ACCESSORIES FOR ALL KITCHEN EQUIPMENT. SIZE PER EQUIPMENT REQUIREMENTS.
2. COMPLY WITH ALL APPLICABLE CODES, STANDARDS AND ORDINANCES, INCLUDING REQUIREMENTS OF INTERNATIONAL PLUMBING AND FUEL GAS AND AMENDMENTS.
3. THESE DRAWINGS AND SPECIFICATIONS REFLECT A STANDARD DESIGN WHICH MUST BE VERIFIED OR MODIFIED FOR EACH APPLICATION. AS A MINIMUM, VERIFY ALL EQUIPMENT LOADS AND REQUIREMENTS, PIPE AND SERVICE SIZES, SITE CONDITIONS, LOCAL ORDINANCES AND CODES ETC.
4. COORDINATE WITH ALL TRADES AND VERIFY ALL EQUIPMENT ROUGH-IN ITEMS AND LOCATIONS WITH THE EQUIPMENT SUPPLIER OR CONTRACTOR. ALL RE-WORK AND CORRECTIONS REQUIRED DUE TO LACK OF COORDINATION SHALL BE THE CONTRACTOR'S RESPONSIBILITY, AND DONE AT NO COST TO THE OWNER.
5. SUBMIT SHOP DRAWINGS AND MATERIAL DATA SUBMITTALS FOR APPROVAL BEFORE INSTALLATION.
6. GREASE WASTE AND VENTS SHALL BE STANDARD WEIGHT
CAST IRON NO-HUB PER CISPI STANDARDS 301 AND 310, WITH STAINLESS STEEL ONE-PIECE NEOPRENE GASKETS. UNDER SLAB PIPING SHALL BE CAST IRON BELL AND SPIGOT PIPING WITH NEOPRENE GASKETS, OR A.B.I. "BEST" COUPLING. WHERE PERMITTED BY LOCAL AUTHORITY, APPROVED PVC OR ABS PLASTIC PIPE AND FITTINGS, PER ASTM D2661-89 OR D2665-89, MAY BE USED. ALL 3 COMPARTMENT SINKS, DISHWASHER MACHINE AND WORK TABLE WITH SINKS WASTE SHALL BE COPPER TUBE.
7. HOT AND COLD WATER AND INDIRECT WASTE PIPING: HARD-DRAWN COPPER TUBE, TYPE "L", PER ASTM B88-88A, MADE UP WITH WROUGHT OR FORGED COPPER SWEAT FITTINGS. UNDER SLABS: TYPE "K" SOFT TEMPER COPPER TUBE WITHOUT JOINTS. SOLDER: LEAD-FREE, CANFIELD "100% WATERSAFE".
8. VALVES: USE PIPE SIZE VALVES, AS SHOWN BELOW:
A. GATE: MILWAUKEE 148 OR 149
B. CHECK: MILWAUKEE 509T OR 1509T
C. PRESSURE AND TEMPERATURE RELIEF VALVES: WATTS TYPE 100XL
9. FIXTURE TAILPIECES AND TRAPS FOR LAVATORIES AND SINKS SHALL BE BRASS TUBING, SEMI-CAST, OR CAST IRON; ALL BRASS TUBING SHALL BE 17 GAGE, CHROME PLATED.
10. ALL PIPE HANGERS, CLAMPS AND CHANNELS SHALL BE ADEQUATELY SIZED TO CARRY PIPE LOADS AND PREVENT SAGGING.
11. INSULATE ALL HOT WATER PIPING WITH OWENS CORNING TYPE ASJ/SSL-11 HEAVY DENSITY FIBER GLASS WITH ALL SERVICE JACKET, 1/2" FOR RUNOUTS UP TO 12'; 1" FOR OTHER PIPING 2" OR LESS IN DIAMETER. INSULATION SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 50 WHEN TESTED IN ACCORDANCE WITH U.B.C. STANDARD 42-1.
12. UNLESS SHOWN OTHERWISE, PROVIDE UNIFORM PITCH OF AT LEAST 1/4 INCH PER FOOT FOR ALL HORIZONTAL DRAINAGE PIPING WITHIN THE BUILDING.
13. PROVIDE SHUT-OFF GATE VALVES AND UNIONS AT ALL WATER CONNECTIONS TO EQUIPMENT AND APPLIANCES. PROVIDE STOPS AND CHROME PLATED BRASS SUPPLIES AT ALL FIXTURES.
14. ISOLATE ALL DISSIMILAR METALS "WITH" "EPCO" DIELECTRIC UNIONS, EXCEPT FOR BRASS OR BRONZE VALVES WITH STEEL PIPE.
15. THOROUGHLY CLEAN ALL PIPING AND EQUIPMENT, REMOVING ALL DIRT, RUST, OIL AND PLASTER.
16. THE ENTIRE SYSTEM SHALL BE WARRANTED FOR A PERIOD OF ONE (1) YEAR BEGINNING WITH OWNER'S ACCEPTANCE OF THE WORK. ALL LABOR AND MATERIALS NECESSARY TO REPAIR OR REPLACE THE SYSTEM, OR PORTIONS THEREOF, DURING THAT TIME SHALL BE WARRANTED FOR A PERIOD OF ONE (1) YEAR FROM THE REPAIR OR REPLACEMENT.
17. PIPING SHALL BE IDENTIFIED AT LEAST EVERY 20 FT. WITH NAME AND FLOW DIRECTION WITH SNAP-ON PLASTIC PIPE MARKERS, ALL EQUIPMENT SHALL BE IDENTIFIED WITH ENGRAVED PLASTIC MARKERS.
18. GAS PIPING SHALL BE BLACK STEEL PIPE, OR GALVANIZED STEEL PIPE FOR PIPING EXPOSED TO THE WEATHER OR UNDERGROUND, SCHEDULE 40 ASTM 53 FOR PIPES UP TO 2" DIAMETER WITH STANDARD WEIGHT MELLEABLE THREADED FITTINGS ANSI B16.3, A 53 GRADE 2-1/2" DIAMETER AND LARGER WITH STANDARD WEIGHT BLACK STEEL WELDING FITTINGS ANSI 16.5.

	G	GAS LINE
	GW	GREASE WASTE
	SAN	EXISTING SANITARY
	SAN	SAN/WASTE ABOVE SLAB
	SAN	SAN/WASTE BELOW SLAB
	V	VENT LINE
	CD	CONDENSATE DRAIN LINE
	GV	GATE VALVE
	CW	COLD WATER LINE
	HW	HOT WATER LINE
	HWR	HOT WATER RETURN LINE
	V	VALVES
	CV	CHECK VALVE
		BUTTERFLY OR BALL VALVE
		PRESS & TEMP. RELIEF VALVE
	WHA	WATER HAMMER ARRESTOR
	WH	WATER HYDRANT W/VACUUM BREAKER
	CO	CLEAN-OUT PLUG
	WCO	WALL CLEAN-OUT
	GV	GAS VALVE
	FD	FLOOR DRAIN
	FCO	FLOOR CLEAN-OUT
	HD	HUB DRAIN
	FFD	FUNNEL TYPE FLOOR DRAIN
	FS	FLOOR SINK
	FT	FLOOR THROUGH
	CTE	CONNECT TO EXISTING FIELD VERIFY EXACT LOCATION.
	VTR	VENT THRU ROOF
	AP	ACCESS PANEL
	AHU	AIR HANDLING UNIT
	TH	THERMOMETER
	CO	CLEAN OUT
	WCO	WALL CLEAN OUT
	FCO	FLOOR CLEAN OUT
	COTG	CLEAN OUT TO GRADE
	TP	TRAP PRIMER (RESEALER)
	CIP	CAST IRON PIPE
	DIP	DUCTILE IRON PIPE
	UG	UNDER GROUND
	V	VENT
	HW	HOTWATER
	FL	FLOOR
	CW	COLDWATER
	SCW	SOFTER COLD WATER
	HWR	HOT WATER RETURN LINE
	AFF	ABOVE FINISH FLOOR

Diagram illustrating two types of cleanout fittings and their installation details:

- Left Diagram (JOSAM Levels Floor Cleanout):**
 - Top: "JOSAM" LEVELS FLOOR CLEANOUT NO. 56014-2-22 NO HUB CONN.
 - Section View (Left): Shows the fitting installed in a floor, with labels for "FIN. FLR." and "SECTION VIEW FOR CLARITY".
 - Elevation View (Right): Shows the fitting installed in a floor, with labels for "FLOOR", "TWO-WAY CLEANOUT TEE OR LONG SWEEP QUARTER BEND. (CAST IRON OR PVC ACCORDING TO LOCATION)", and "TO GRADE".
 - Labels: "COMPACTED FILL" and "ELEVATION VIEW".
- Right Diagram (US Foundry No. 7610 Cast Iron Box Cleanout):**
 - Top: US FOUNDRY NO. 7610 CAST IRON BOX WITH COVER MARKED "C.O."
 - Section View (Left): Shows the fitting installed in a floor, with labels for "FIN. FLR." and "SECTION VIEW FOR CLARITY".
 - Elevation View (Right): Shows the fitting installed in a floor, with labels for "FLOOR", "TWO-WAY CLEANOUT TEE OR LONG SWEEP QUARTER BEND. (CAST IRON OR PVC ACCORDING TO LOCATION)", and "TO GRADE".
 - Labels: "COMPACTED FILL", "ELEVATION VIEW", "FILL VOIDS WITH OILED SAND", and "CLEANOUT FITTING W/ BRASS OR PVC PLUG".

The diagram illustrates the installation of a grease interceptor. It shows a P-10 unit connected to a main line. An air intake line runs above the unit. A grease draw-off is located on top of the unit. A 2" vent is shown on the right. A line shut-off valve is located on the right side of the unit. A flow control fitting is located on the left side of the unit. The unit is labeled 'GREASE INTERCEPTOR J.R. SMITH HB025 OR EQUAL 25GPM FLOW RATE 60 INCH DEPTH'. The diagram also shows a 4" connection at the bottom right.

[illegible]

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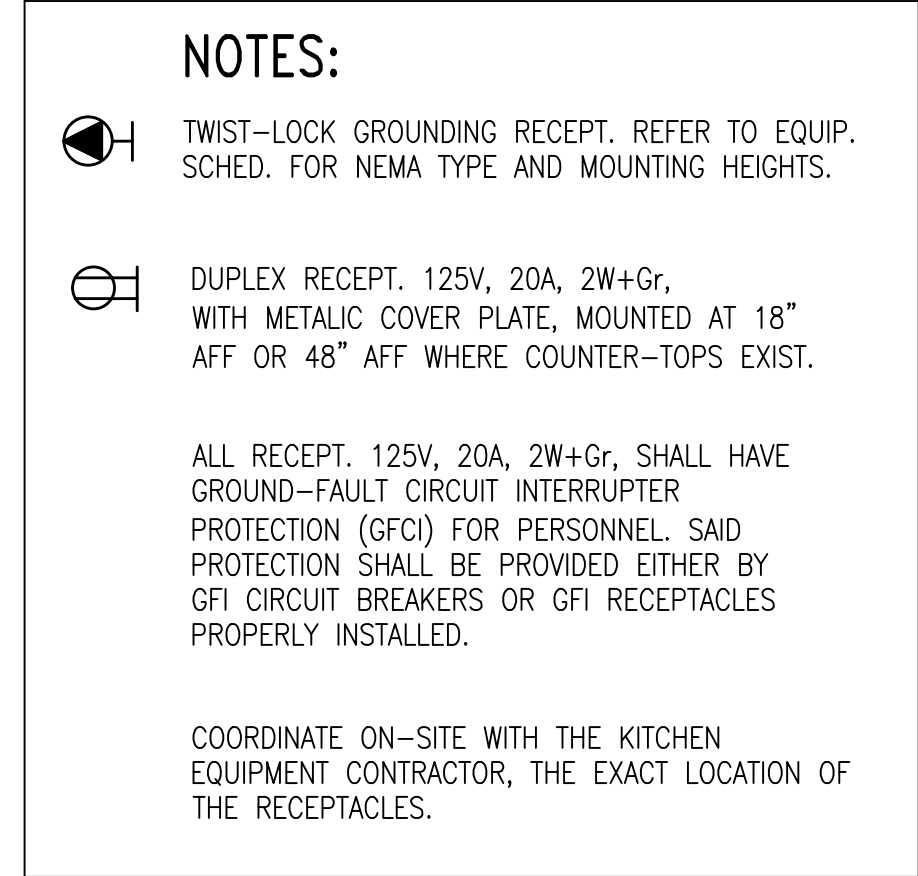
APPROVED BY: J.P.W.

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CONTRACT NO.:

SHEET NO.:	P0.1
PLUMBING NOTES, LEGEND, AND DETAILS	





1	
E1.3	E1.3

[illegible]

CONSULTANTS	

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