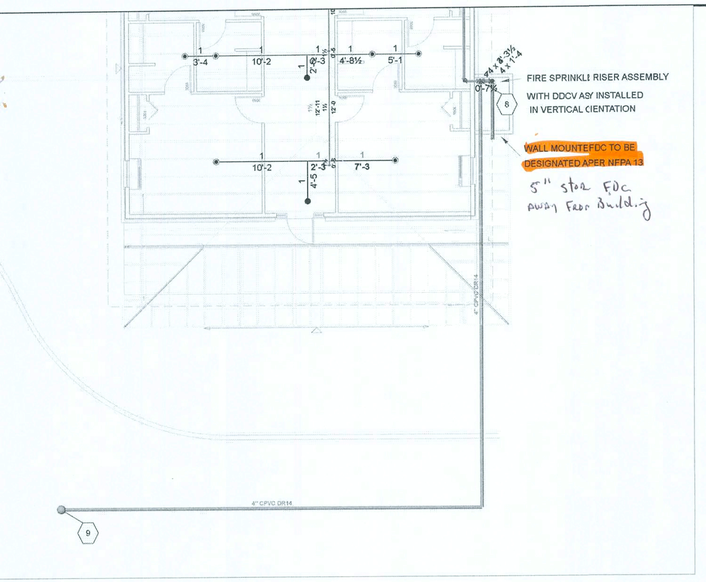
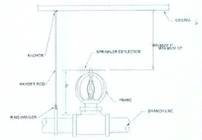
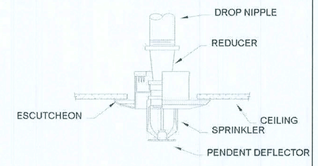


SITE PLAN SHOWN FOR REF POINTS ONLY



TYPICAL UPRIGHT SPRINKLER
N.T.S.



SEMI-RECESSED SPRINKLER DETAIL
N.T.S.

DESIGN NOTES

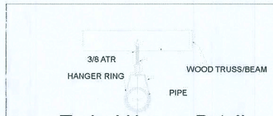
1. FIRE SPRINKLER SYSTEM DESIGN AS PER NFPA # 13-2013

   RESIDENTIAL SPACING
   MAXIMUM SPACING OF 225 SQ. FT. AND .10GPM/SQFT DENSITY

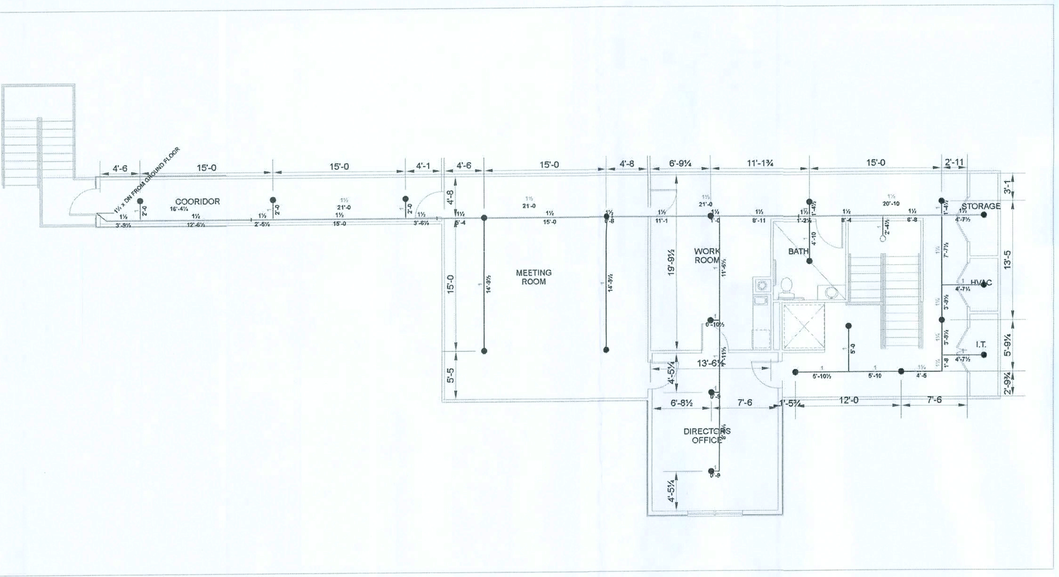
2. ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH NFPA 13 13 ED. AND LOCAL CODES AND REGULATIONS.
3. ALL ARMOVERS TO BE 1" PIPING
4. ALL CUT LENGTHS TO BE DETERMINED AT JOBSITE AND PIPE TO BE FIT IN THE FIELD.
5. SEE LEGEND FOR SPRINKLER AND PIPE DESCRIPTION
6. PIPE LENGTHS NOTED FROM CENTER TO CENTER.
7. PIPE LOCATION MAY CHANGE DUE TO FIELD CONDITIONS.
8. ALL WORK & MATERIALS TO BE IN ACCORDANCE WITH NFPA 13 2013 EDITION AND LOCAL CODES.

PIPE LEGEND

- NEW PIPE
- GALVANIZED PIPE
- NEW SPRINKLER HEAD
- MT MECH TEE
- NEW HANGER

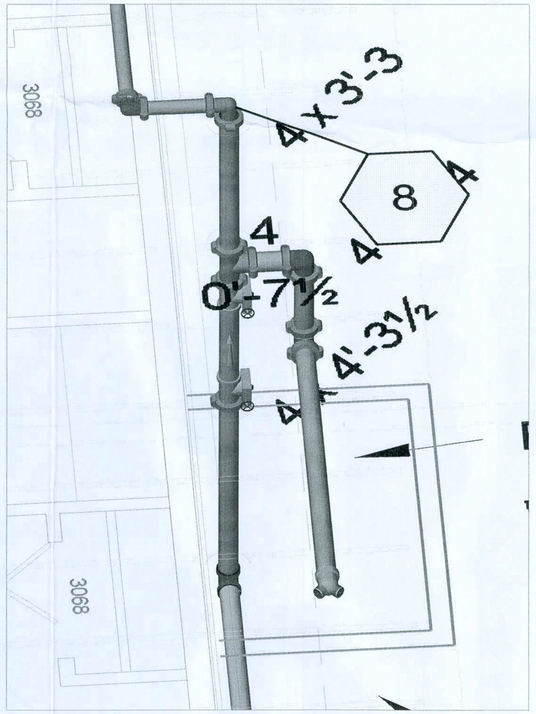


Typical Hanger DetalL
NO SCALE



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

N



RISER DETAIL

NO SCALE

MAXIMUM DISTANCE BETWEEN HANGERS												
NOMINAL PIPE SIZE (in.)	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"	8"
STEEL PIPE EXCEPT THREADED LIGHTWALL	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0
THREADED LIGHTWALL STEEL PIPE	N/A	12-0	12-0	12-0	12-0	12-0	12-0	N/A	N/A	N/A	N/A	N/A
CPVC	5-6	6-0	6-6	7-0	8-0	9-0	12-0	N/A	N/A	N/A	N/A	N/A

APPROVED (Subject to Revisions)
Life Safety Services
Columbia County Fire Rescue
Florida State Fire Inspector # 13846
By: ____ Date: 10-7-2020

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

FP	FIRE PROTECTION PLAN	SCOPE OF WORK	CONTACT INFO.	CONTRACTOR
1/8"=1'-0"	OCCUPANCY:LIGHT/ORDINARY HAZARD	INSALL NEW SPRINKLER SYSTEM		CONTACT NAME
				CONTACT #
				M.PERMIT #

BY	No.	REVISIONS	DATE

Drawn OF Check SS
Job No. 5265
Date 09/28/20

Drawing No. FP-1
1 of 2

SPRINKLER SCHEDULE

SYM	QTY	FINISH	BIN	SIZE	TEMP	K	MODEL

DESIGN CRITERIA

SYSTEM #
OCCUPANCY
DESIGN AREA
DENSITY
TOTAL WATER REQUIRED
SPRINKLERS IN DESIGN AREA
HOSE ALLOWANCE

WATER SUPPLY INFO

STATIC PSI		FIRE PUMP	
RESIDUAL PSI		MODEL	
PITOT READING		SIZE	
FLOW @ 20PSI		GPM @ PSI	
DATE OF TEST		DRIVER	
TIME OF TEST		ELECTRICAL	
TEST PERFORMED LOCATION			

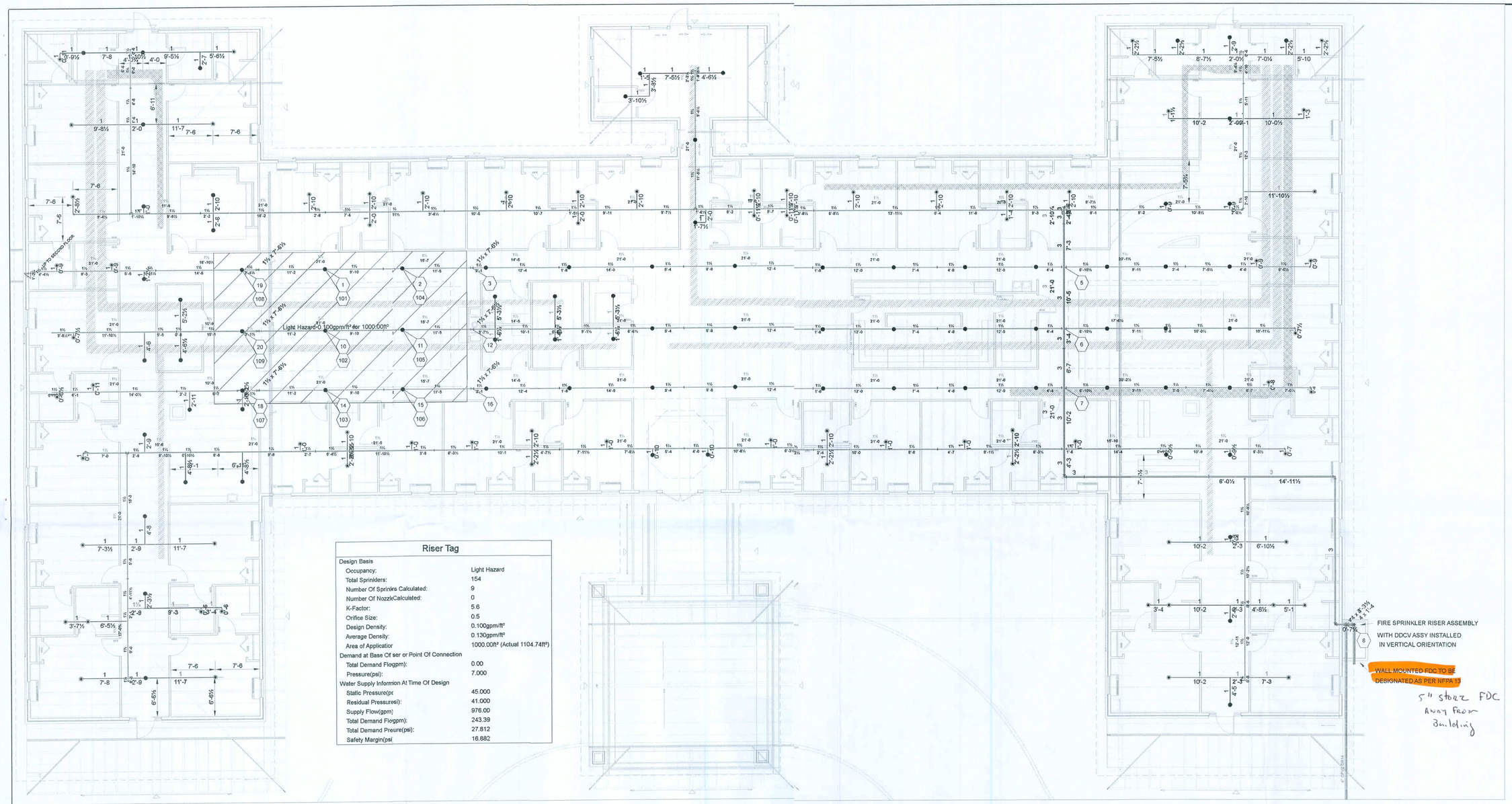
JOB ADDRESS: GRAND CYPRESS LAKE CITY, FL

CONTRACTOR:

CARIBBEAN FIRE & ASSOCIATES, INC.
4300 W BROWARD BLVD, UNIT 108
PLANTATION, FL 33317
(954)581-9393 FAX:(954)581-2896
E-mail=OFONSECA@CARIBBEANFIRE.COM

CARIBBEAN FIRE & ASSOCIATES, INC.
FIRE PROTECTION CONSULTANTS
TEL: 954-581-9393 FAX: 954-581-2896
CERTIFICATE OF AUTHORIZATION NUMBER 5387

DATE:
REGINA BOBO-JACKSON, P.E. FL P.E.
NO: 39505



Riser Tag	
Design Basis	
Occupancy:	Light Hazard
Total Sprinklers:	154
Number Of Sprinkrs Calculated:	9
Number Of NozzlsCalculated:	0
K-Factor:	5.6
Orifice Size:	0.5
Design Density:	0.100gpm/ft²
Average Density:	0.130gpm/ft²
Area of Applicatior	1000.00ft² (Actual 1104.74ft²)
Demand at Base Of ser or Point Of Connection	
Total Demand Flogpm):	0.00
Pressure(psi):	7.000
Water Supply Informion At Time Of Design	
Static Pressure(ps	45.000
Residual Pressuresi):	41.000
Supply Flow(gpm)	976.00
Total Demand Flogpm):	243.39
Total Demand Preure(psi):	27.812
Safety Margin(psi	16.882

GROUND FLOOR SPRINKLER PLAN

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

N

SPRINKLER SCHEDULE

SYM	QTY	FINISH	SIN	SIZE	TEMP	K	MODEL
●	83	WHITE	R4414	1/2"	155°	5.6	RELIABLE MODEL F1FR56 SEMI-RECESSED QUICK RESPONSE
○	71	WHITE	R2816	1/2"	165°	5.6	RELIABLE MODEL F1FR48 SEMI-RECESSED FAST RESPONSE

TOTAL THIS SHEET=154

DESIGN CRITERIA

SYSTEM #	
OCCUPANCY	
DESIGN AREA	
DENSITY	
TEMPORARY REQUIRED IN DESIGN AREA	
HOSE ALLOWANCE	

WATER SUPPLY INFO

STATIC PSI		FIRE PUMP	
RESIDUAL PSI		MODEL	
FLOW IN GPM		SIZE	
DATE OF TEST		GPM @ PSI	
TIME OF TEST		DRIVER	
TEST BY		ELECTRICAL	
LOCATION			

GRAND CYPRESS
LAKE CITY, FL

FOR APPROVAL

CARIBBEAN FIRE & ASSOCIATES, INC.
4402 W BROWARD BLVD, UNIT 108
PLANTATION, FL 33317
(954)581-9393 FAX:(954)581-2896
E-mail=OFONSECA@CARIBBEANFIRE.COM

GAUGE ENGINEERING
WOODLAWN PLAZA, SUITE 102
1000 WOODLAWN PLAZA DRIVE
TEL: 904-878-9000 FAX: 904-878-9004
CERTIFICATE OF AUTHORIZATION NUMBER C057

DATE:
REGINA BOBO-JACKSON, P.E. FL P.E.
LIC. 58029

FP	FIRE PROTECTION PLAN	SCOPE OF WORK	CONTACT INFO:	CONTRACTOR
1/8"=1'-0"	OCCUPANCY: LIGHT/ORDINARY HAZARD	NSTALL NEW SPRINKLER SYSTEM		CONTACT NAME
				CONTACT #
				M PERMIT #

BY	No.	REVISIONS	DATE

NO SCALE

MAXIMUM DISTANCE BETWEEN HANGERS

NOMINAL PIPE SIZE (in.)	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"	8"
STEEL PIPE EXCEPT THREADED LIGHTWALL	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0
THREADED LIGHTWALL STEEL PIPE	N/A	12-0	12-0	12-0	12-0	12-0	12-0	N/A	N/A	N/A	N/A	N/A
CPVC	8-0	8-0	8-0	8-0	8-0	8-0	10-0	10-0	10-0	N/A	N/A	N/A

Drawn OF Check SS

Job No. 5265

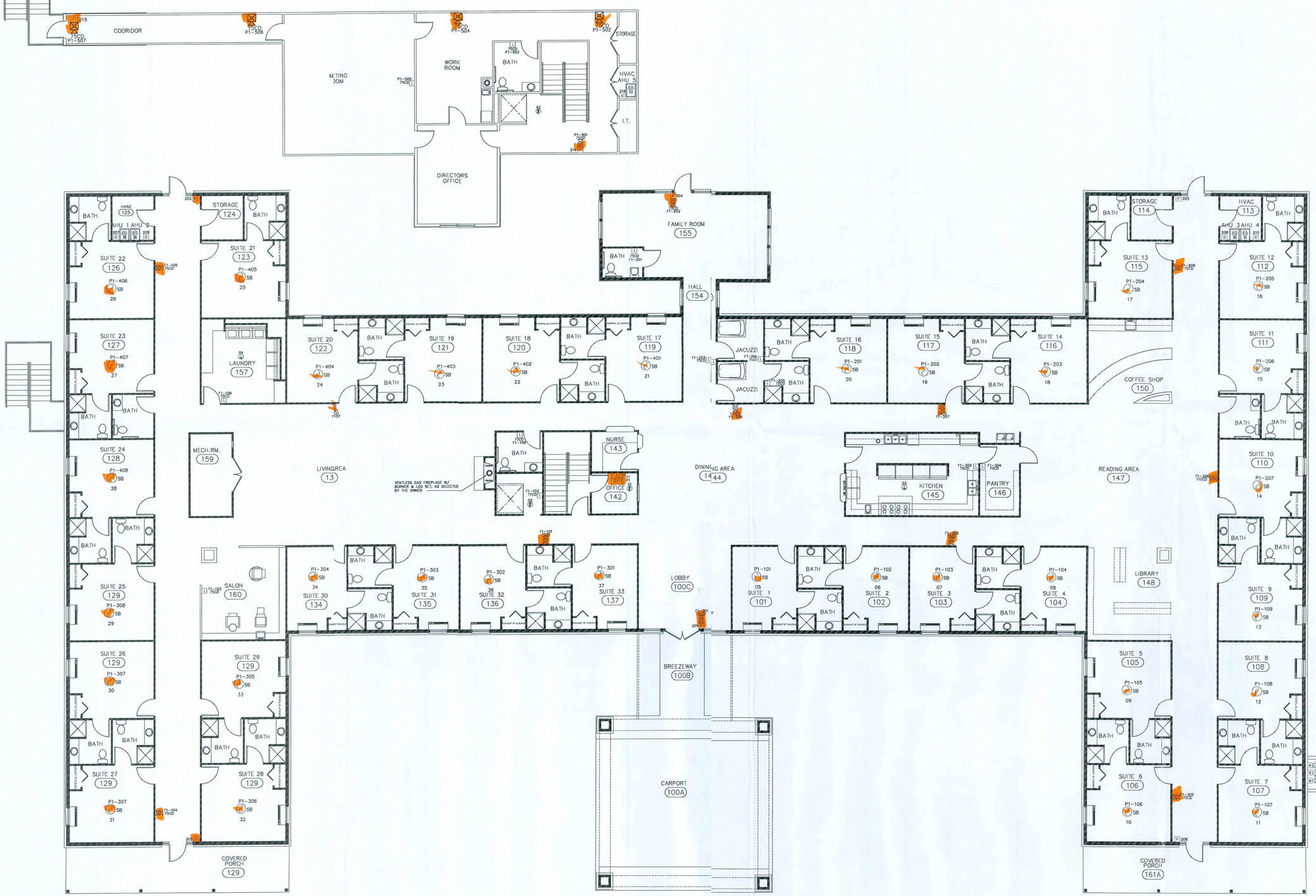
Date 09/28/20

Drawing No. FP-2

TOTAL THIS SHEET=154

2nd FLOOR FIRE ALARM FLOOR PLAN

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



FIRE ALARM FLOOR PLAN

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

APPROVED (Subject to Revisions)
Life Safety Services
Columbia County Fire Rescue
Florida State Fire Inspector # 1364116
By: ____ Date: 10/7/2020

Received for FILE COPY Code Compliance
COLUMBIA COUNTY BUILDING & ZONING PLANS EXAMINER

REVISIONS

PROJECT
SMITH - SORENSON
LAKE CITY, FLORIDA 32055

DRAWING TYPE
FIRE ALARM PLAN

CONTRACTOR
CARIBBEAN FIRE & SECURITY, INC.
3856 S.W. 30th AVE.
HOLLYWOOD, FLORIDA 33312
(954)581-9393 FAX:(954)581-2896
STATE CERTIFIED EF 20000969

GAYOR ENGINEERING
1900 DIERKS BLVD. SUITE 102
LAKE CHARLES, LOUISIANA 70605
TEL: (954) 434-0660 FAX: (954) 434-4664
CERTIFICATE OF AUTHORIZATION NUMBER: 1287

DATE: 10/10/2020
NAME: THOMAS JACKSON, P.E. P.L.S.
P.E. NO. 76860

SEAL

DWG #: 0928-81F-0703

REVISION: 0

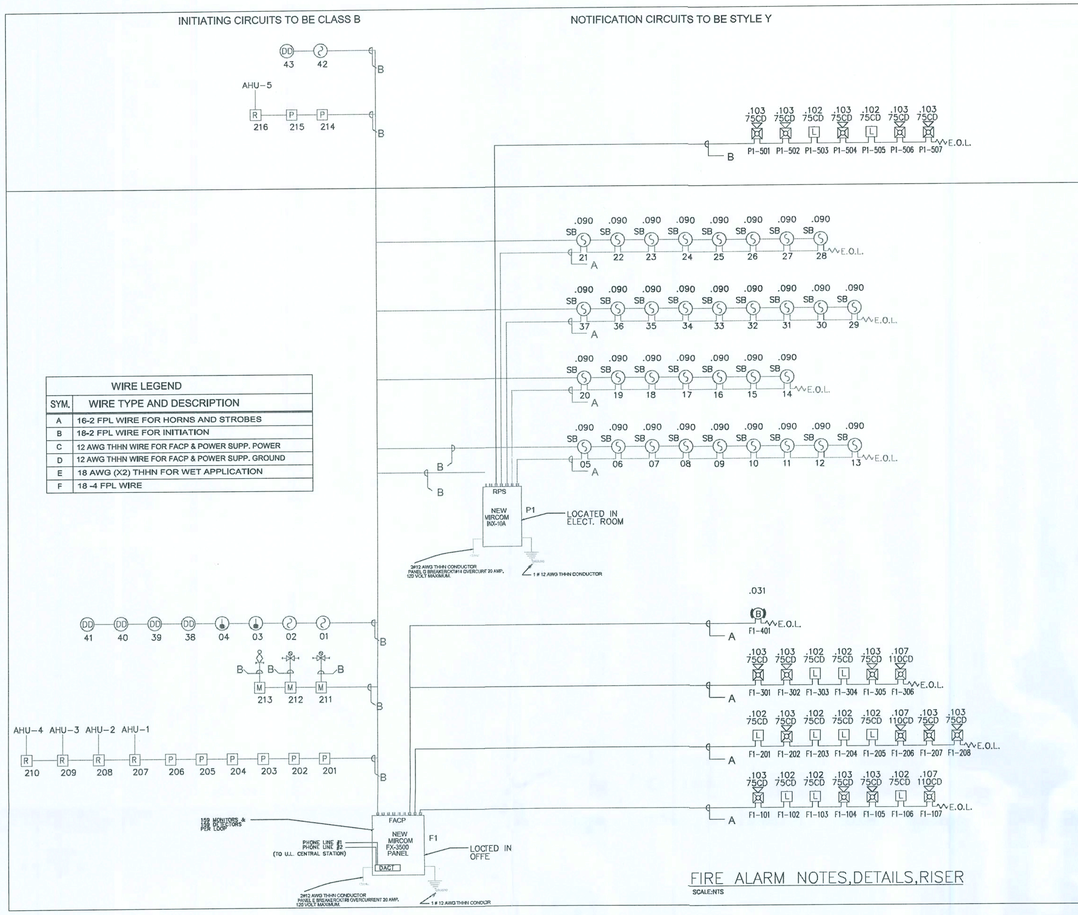
DATE: 09/28/2020

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

DRAWN BY F.O.

CHECKED BY S.P.

SHEET FA-1 OF 3



WIRE LEGEND	
SYM.	WIRE TYPE AND DESCRIPTION
A	16-2 FPL WIRE FOR HORNS AND STROBES
B	18-2 FPL WIRE FOR INITIATION
C	12 AWG THHN WIRE FOR FACP & POWER SUPP. POWER
D	12 AWG THHN WIRE FOR FACP & POWER SUPP. GROUND
E	18 AWG (X2) THHN FOR WET APPLICATION
F	18 -4 FPL WIRE

FIRE ALARM NOTES,DETAILS,RISER

SCALE:NTS

MIRCOM FX-3500-BATTERY CALCULATIONS F1

	CD	QTY	STANDYBY PER.DEV.	TOTAL STANDBY	ALARM PER.DEV.	TOTAL ALARM
FIRE ALARM PANEL		1	0.390000	0.390000	0.630000	0.630000
MIX-2251AP SMOKE DETECTOR		37	0.000300	0.011100	0.006500	0.240500
MS-710APU PULL STATION		8	0.000400	0.003200	0.000600	0.004800
DNR W/MIX-2251AP SMOKE DETECTOR		5	0.000300	0.001500	0.006500	0.032500
MIX-M501MAP MONITOR MODULE		3	0.000400	0.001200	0.000600	0.001800
MIX-M500RAP RELAY MODULE		5	0.000300	0.001500	0.006500	0.032500
RAM-3500-LCD REMOTE ANNUNCIATOR		1	0.070000	0.070000	0.100000	0.100000
				TOTAL INPUT:		1.058
CIRCUIT #1 1.5 Amps Max.						
WALL MOUNT STROBE	75	3	N/A	N/A	0.102	0.306
WALL MOUNT HORN/STROBE	75	3	N/A	N/A	0.103	0.309
WALL MOUNT HORN/STROBE	110	1	N/A	N/A	0.107	0.107
				TOTAL CIRCUIT #1:		0.722
CIRCUIT #2 1.5 Amps Max.						
WALL MOUNT HORN/STROBE	110	1	N/A	N/A	0.107	0.107
WALL MOUNT STROBE	75	4	N/A	N/A	0.102	0.408
WALL MOUNT HORN/STROBE	75	3	N/A	N/A	0.103	0.309
				TOTAL CIRCUIT #2:		0.824
CIRCUIT #3 1.5 Amps Max.						
WALL MOUNT STROBE	75	2	N/A	N/A	0.102	0.204
WALL MOUNT HORN/STROBE	75	3	N/A	N/A	0.103	0.309
WALL MOUNT HORN/STROBE	110	1	N/A	N/A	0.107	0.107
				TOTAL CIRCUIT #3:		0.620
CIRCUIT #4 1.5 Amps Max.						
MOTORIZED BELL	N/A	1	N/A	N/A	0.031	0.031
				TOTAL CIRCUIT #4:		0.031
(A) TOTAL STANDBY				0.479	ALARM	3.255
(B) STANDBY HOURS (24 OR 60):				24		
(A) X (B) = (C) (C) TOTAL STANDBY AMP HOURS:				11.496		
(D) ALARM SOUNDING PERIOD IN MINUTES (5 OR 15):				5 MINUTES = 0.083 HOURS		
TOTAL ALARM X 0.083 = (E) TOTAL ALARM AMP HOURS:					0.270	
(F) TOTAL ALARM + STANDBY AH:					11.766	
MULT. BY DERATING FACTOR = 1.2					14.119	
QTY:2 REQUIRED MINIMUM 15 AH BATTERY PROVIDED CHARGE CAPACITY IS 26 AH						

MIRCOM INX-10A BATTERY CALCULATIONS P1

10.0 AMPS MAXIMUM DRAW

	CD	QTY	STANDYBY PER.DEV.	TOTAL STANDBY	ALARM PER.DEV.	TOTAL ALARM
MAIN PANEL		1	0.200	0.200	0.350	0.350
CIRCUIT #1 2.5 Amps Max.						
SOUNDER BASE	N/A	9	0.001	0.009	0.090	0.810
WALL MOUNT STROBE	75	0	N/A	N/A	0.102	0.000
WALL MOUNT HORN/STROBE	75	0	N/A	N/A	0.103	0.000
				TOTAL CIRCUIT #1:		0.810
CIRCUIT #2 2.5 Amps Max.						
SOUNDER BASE	N/A	7	0.001	0.007	0.090	0.630
WALL MOUNT STROBE	75	0	N/A	N/A	0.102	0.000
WALL MOUNT HORN/STROBE	75	0	N/A	N/A	0.103	0.000
				TOTAL CIRCUIT #2:		0.630
CIRCUIT #3 2.5 Amps Max.						
SOUNDER BASE	N/A	9	0.001	0.009	0.090	0.810
WALL MOUNT STROBE	75	0	N/A	N/A	0.102	0.000
WALL MOUNT HORN/STROBE	75	0	N/A	N/A	0.103	0.000
				TOTAL CIRCUIT #3:		0.810
CIRCUIT #4 2.5 Amps Max.						
SOUNDER BASE	N/A	8	0.001	0.008	0.090	0.720
WALL MOUNT STROBE	75	0	N/A	N/A	0.102	0.000
WALL MOUNT HORN/STROBE	75	0	N/A	N/A	0.103	0.000
				TOTAL CIRCUIT #4:		0.720
CIRCUIT #5 2.5 Amps Max.						
SOUNDER BASE	N/A	0	0.001	0.000	0.090	0.000
WALL MOUNT STROBE	75	2	N/A	N/A	0.102	0.204
WALL MOUNT HORN/STROBE	75	5	N/A	N/A	0.103	0.515
				TOTAL CIRCUIT #5:		0.719
CIRCUIT #6 2.5 Amps Max. (SPARE)						
SOUNDER BASE	N/A	0	0.001	0.000	0.090	0.000
WALL MOUNT STROBE	75	0	N/A	N/A	0.102	0.000
WALL MOUNT HORN/STROBE	75	0	N/A	N/A	0.103	0.000
				TOTAL CIRCUIT #6:		0.000
(A) TOTAL STANDBY				0.224	ALARM	4.039
(B) STANDBY HOURS (24 OR 60):				24		
(A) X (B) = (C) (C) TOTAL STANDBY AMP HOURS:				5.376		
(D) ALARM SOUNDING PERIOD IN MINUTES (5 OR 15):				5 MINUTES = 0.083 HOURS		
TOTAL ALARM X 0.083 = (E) TOTAL ALARM AMP HOURS:					0.335	
(F) TOTAL ALARM + STANDBY AH:					5.711	
MULT. BY DERATING FACTOR = 1.2					6.853	
QTY:2 REQUIRED MINIMUM 7.0 AH BATTERY PROVIDED CHARGE CAPACITY IS 18 AH						

N.A.C. VOLTAGE DROP CALCULATIONS

DC RESISTANCE FOR SOLID COPPER WIRE AT 75 DEGREES -C

SIZE	OHMS PER FOOT
18	0.00777
16	0.00489
14	0.00307
12	0.00193
10	0.00121

VALUES TAKEN FROM 2011 NEC CHAPTER 9 TABLE 8

FORMULA FOR CALCULATION OF VOLTAGE DROP IN DC 2 WIRE CIRCUITS

VD=R x 2 L x I

WHERE VD = VOLTAGE DROP AT THE LAST DEVICE ON THE CIRCUIT
"R" = RESISTANCE OF WIRE IN OHMS PER FOOT (VALUES OF RESISTANCE FOR COPPER WIRE PER TABLE ABOVE)
"I" = TOTAL CIRCUIT CURRENT IN AMPERES
" L" = LENGTH ONE WAY OF THE CIRCUIT IN FEET

STARTING VOLTAGE USED IN CALCULATIONS IS 20.4 PER U.L. & NFPA REQUIREMENTS

(INFORMATION PROVIDED BY CUSTOMER)

F1

NAC #1 WIRE SIZE	16
R=	0.00489
L=	310
I=	0.722
VD=	2.19
VOLTAGE AT LAST DEVICE	18.21
% OF VOLTAGE DROP	10.72%
ACCEPTABLE V - DROP	YES
NAC #2 WIRE SIZE	16
R=	0.00489
L=	212
I=	0.824
VD=	1.71
VOLTAGE AT LAST DEVICE	18.68
% OF VOLTAGE DROP	8.37%
ACCEPTABLE V - DROP	OK
NAC #3 WIRE SIZE	16
R=	0.00489
L=	219
I=	0.62
VD=	1.327928
VOLTAGE AT LAST DEVICE	18.07207
% OF VOLTAGE DROP	6.51%
ACCEPTABLE V - DROP	OK
NAC #4 WIRE SIZE	16
R=	0.00489
L=	149
I=	0.031
VD=	0.045174
VOLTAGE AT LAST DEVICE	20.35483
% OF VOLTAGE DROP	0.22%
ACCEPTABLE V - DROP	OK

N.A.C. VOLTAGE DROP CALCULATIONS

DC RESISTANCE FOR SOLID COPPER WIRE AT 75 DEGREES -C

SIZE	OHMS PER FOOT
18	0.00777
16	0.00489
14	0.00307
12	0.00193
10	0.00121

VALUES TAKEN FROM 2011 NEC CHAPTER 9 TABLE 8

FORMULA FOR CALCULATION OF VOLTAGE DROP IN DC 2 WIRE CIRCUITS

VD=R x 2 L x I

WHERE VD = VOLTAGE DROP AT THE LAST DEVICE ON THE CIRCUIT
"R" = RESISTANCE OF WIRE IN OHMS PER FOOT (VALUES OF RESISTANCE FOR COPPER WIRE PER TABLE ABOVE)
"I" = TOTAL CIRCUIT CURRENT IN AMPERES
" L" = LENGTH ONE WAY OF THE CIRCUIT IN FEET

STARTING VOLTAGE USED IN CALCULATIONS IS 20.4 PER U.L. & NFPA REQUIREMENTS

(INFORMATION PROVIDED BY CUSTOMER)

P1

NAC #1 WIRE SIZE	16
R=	0.00489
L=	187
I=	0.81
VD=	1.48
VOLTAGE AT LAST DEVICE	18.92
% OF VOLTAGE DROP	7.28%
ACCEPTABLE V - DROP	YES
NAC #2 WIRE SIZE	16
R=	0.00489
L=	161
I=	0.63
VD=	0.99
VOLTAGE AT LAST DEVICE	18.41
% OF VOLTAGE DROP	4.89%
ACCEPTABLE V - DROP	OK
NAC #3 WIRE SIZE	16
R=	0.00489
L=	174
I=	0.81
VD=	1.378393
VOLTAGE AT LAST DEVICE	19.02161
% OF VOLTAGE DROP	6.78%
ACCEPTABLE V - DROP	OK
NAC #4 WIRE SIZE	16
R=	0.00489
L=	161
I=	0.72
VD=	1.123698
VOLTAGE AT LAST DEVICE	19.2663
% OF VOLTAGE DROP	5.58%
ACCEPTABLE V - DROP	OK
NAC #5 WIRE SIZE	16
R=	0.00489
L=	184
I=	0.719
VD=	1.0829
VOLTAGE AT LAST DEVICE	19.3171
% OF VOLTAGE DROP	5.31%
ACCEPTABLE V - DROP	OK
NAC #6 WIRE SIZE	
R=	#N/A
L=	
I=	
VD=	#N/A
VOLTAGE AT LAST DEVICE	#N/A
% OF VOLTAGE DROP	#N/A
ACCEPTABLE V - DROP	#N/A

FIRE ALARM GENERAL NOTES:

1. NEW MIRCOM FX-3500 FIRE ALARM PANEL TO BE POWER LIMITED AND HAVE BATTERY BACKUP.
2. BUILDING IS NEW.
3. BUILDING IS 100% SPRINKLERED.
4. OCCUPANCY: ASSISTED LIVING FACILITY
5. SYSTEM AND INSTALLATION TO COMPLY WITH FLORIDA FIRE PEVENTION SIXTH EDITION, NFPA-72 2013 EDITION, NFPA-1 2015, AND NFPA-101 2015 EDITION, NFPA-70 2014 EDITION.
6. WIRING MINIMUMS;
   INITIATING CIRCUITS 18/2 FPL
   INDICATING CIRCUITS 16/2 FPL (NAC)
   SOUNDER BASES 16/2 FPL
7. CONDUIT IF REQUIRED WILL BE 1/2", MINIMUM 40% FILL MAX.
8. ALL DEVICES TO BE MOUNTED PER NFPA GUIDELINES OR ADA WHERE REQUIRED.
9. SYSTEM COMPONENTS SHALL BE U.L LISTED AND COMPATIBLE
10. CIRCUITS TO BE CLASS B.
11. WHERE AUDIBLE APPLIANCES ARE INSTALLED TO PROVIDE SIGNALS FOR SLEEPING AREAS, THEY SHALL HAVE A SOUND LEVEL OF AT LEAST 15dB ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5dB ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS OR A SOUND LEVEL OF AT LEAST 75dB, WHICHEVER IS GREATER, MEASURED AT THE PILLOW LEVEL IN THE OCCUPIABLE AREA, USING THE A-WEIGHTED SCALE (dBA).
12. AUDIBLE RATINGS, AS MEASURED BY THE MANUFACTURER AND THE QUALIFIED TESTING LABS, ARE SPECIFIED AS A DECIBEL RATING AT A PREDETERMINED DISTANCE, USUALLY 10 FT. THE RULE OF THUMB IS THAT THE OUTPUT OF AN AUDIBLE NOTIFICATION APPLIANCE IS REDUCED BY 6dBF THE DISTANCE BETWEEN THE APPLIANCE AND LISTENER IS DOUBLED.
13. EACH STROBE SHALL BE ADEQUATE TO PROVIDE REQUIRED COVERAGE.
14. THE DESIGN INSTALLATION COMPLIES WITH FBC 2017.

SCOPE OF WORK:

1. INSTALL NEW ADDRESSABLE MIRCOM FX-3500 FIRE ALARM PANEL AT REFERENCED PROPERTY.
2. SCOPE OF WORK IS LIMITED ONLY TO WHAT IS PROVIDED ON FLOOR PLAN AND RISER.
3. FIRE ALARM CONTROL PANEL & POWER BOOSTER TO BE PROTECTED BY SMOKE DETECTOR.
4. INSTALL PULL STATIONS AT EXITS.
5. INSTALL HORN/STROBES AND STROBES THROUGHOUT.
6. INSTALLS SMOKE DETECTORS WITH LOW FREQUENCY SOUNDER BASES IN ALL SLEEPING UNITS.
7. AUDIBLE TROUBLE SIGNAL TO BE LOCATED AT FACP AND ANNUNCIATOR.
8. SYSTEM SHALL BE A REMOTE SUPERVISING STATION WITH 24 HOURS OF STANDBY.

SEQUENCE OF OPERATION:

THE ACTUATION OF THE FIRE ALARM INITIATING DEVICE SHALL AUTOMATICALLY INITIATE THE FUNCTION DETAILED BELOW.

A. MANUAL FIRE ALARM PULL STATION

- ACTIVATION OF THE MANUAL FIRE ALARM PULL STATION SHALL INITIATE THE FOLLOWING FUNCTIONS:

1. GENERATE AN AUDIBLE SIGNAL AT FIRE ALARM CONTROL PANEL.
2. GENERATE AN AUDIBLE ALARM SIGNAL SIMULTANEOUSLY ON DESIGNATED AREAS OF THE BUILDING BY MEANS OF A HORN/STROBE OR SOUNDER BASE DEVICE. GENERATE A VISUAL ALARM SIGNAL SIMULTANEOUSLY ON ALL AREAS OF THE BUILDING BY THE USE OF STROBE DEVICE OR COMBINATION HORN/STROBE NOTIFICATION DEVICES.
3. INDICATE THE LOCATION OF THE PULL STATION, BY DISPLAYING IN ENGLISH THE ALARMED DEVICE AND ITS LOCATION ON THE FACP AND REMOTE ANNUNCIATOR DISPLAY.
4. WHEN ALARMED, TRANSMITS A FIRE ALARM SIGNAL TO THE U.L. CENTRAL STATION.

B. COMMON AREA SMOKE DETECTOR/HEAT DETECTOR

- ACTIVATION OF THE SMOKE DETECTORS SHALL INITIATE THE FOLLOWING FUNCTIONS:

1. GENERATE AN AUDIBLE SIGNAL AT FIRE ALARM CONTROL PANEL.
2. GENERATE AN AUDIBLE ALARM SIGNAL SIMULTANEOUSLY ON DESIGNATED AREAS OF THE BUILDING BY MEANS OF A HORN/STROBE OR SOUNDER BASE DEVICE. GENERATE A VISUAL ALARM SIGNAL SIMULTANEOUSLY ON ALL AREAS OF THE BUILDING BY THE USE OF STROBE DEVICESOR COMBINATION HORN/STROBE NOTIFICATION DEVICES.
3. INDICATE THE LOCATION OF THE SMOKE DETECTOR, BY DISPLAYING IN ENGLISH THE ALARMED DEVICE AND ITS LOCATION ON THE FACP AND REMOTE ANNUNCIATOR DISPLAY.
4. WHEN ALARMED, TRANSMITS A FIRE ALARM SIGNAL TO THE U.L. CENTRAL STATION.

C. SLEEPING AREA SMOKE DETECTOR

- ACTIVATION OF THE SMOKE DETECTORS SHALL INITIATE THE FOLLOWING FUNCTIONS:

1. GENERATE AN SUPERVISORY SIGNAL AT FIRE ALARM CONTROL PANEL.
2. GENERATE AN AUDIBLE ALARM SIGNAL AT THAT UNIT BY MEANS OF THE SOUNDER BASE DEVICE.
3. INDICATE THE LOCATION OF THE SMOKE DETECTOR, BY DISPLAYING IN ENGLISH THE ALARMED DEVICE AND ITS LOCATION ON THE FACP AND REMOTE ANNUNCIATOR DISPLAY.
4. WHEN ALARMED, TRANSMITS A SUPERVISORY SIGNAL TO THE U.L. CENTRAL STATION.

D. TROUBLE SIGNAL

1. TROUBLE AND SUPERVISORY DEVICES SHALL NOT ACTIVATE AUDIBLE AND VISIBLE DEVICES, INSTEAD THEY SHOULD SHOW A SUPERVISORY OR TROUBLE INDICATION AT FACP AND REMOTE ANNUNCIATOR IF INSTALLED. A TROUBLE SIGNAL COULD INDICATE A BREAK IN THE CIRCUIT WIRING OR A DETECTOR THAT IS NOT OPERATING PROPERLY.
2. WHEN ALARMED, TRANSMITS A TROUBLE SIGNAL TO THE U.L. CENTRAL STATION.

E. DUCT DETECTORS

- ACTIVATION OF THE SMOKE DUCT DETECTORS SHALL INITIATE THE FOLLOWING FUNCTIONS:

1. GENERATE AN AUDIBLE SUPERVISORY SIGNAL AT FIRE ALARM CONTROL PANEL ONLY.
2. INDICATE THE LOCATION OF THE SMOKE DUCT DETECTOR BY DISPLAYING IN ENGLISH THE ALARMED DEVICE AND ITS LOCATION ON THE FACP ANNUNCIATOR DISPLAY .
3. SHUT OFF THE AIR HANDLING UNIT AND A/C EQUIPMENT ASSOCIATED WITH THE DUCT DETECTOR.
4. WHEN ALARMED, TRANSMITS A SUPERVISORY SIGNAL TO THE U.L. CENTRAL STATION.

F. TAMPER AND FLOW SWITCH OPERATION

1. ALL TAMPER SWITCHES (VALVE SUPERVISORY SWITCHES) SHALL INITIATE A SUPERVISORY SIGNAL INDICATING AN OFF-NORMAL CONDITION OF THE VALVE AT THE FIRE ALARM CONTROL PANEL AND THE U.L. CENTRAL STATION.
2. THE ACTUATION OF ANY FLOW SWITCH SHALL INITIATE AN ALARM SIGNAL AT THE FIRE ALARM CONTROL PANEL AND U.L. CENTRAL STATION, AND INITIATE THE SMOKE CONTROL FUNCTIONS FOR THE RELATED ZONE IN ALARM.

REVISIONS

PROJECT

SMITH - SORENSON
LAKE CITY, FLORIDA 32055

DRAWING TYPE

FIRE ALARM PLAN

CONTRACTOR

CARIBBEAN FIRE & SECURITY, INC.
3856 S.W. 30th AVE.
HOLLYWOOD, FLORIDA 33312
(954)581-9393 FAX:(954)581-2896

STATE CERTIFIED EF 20000969

GATOR ENGINEERING CONSULTANTS, P.A.
CERTIFICATE OF AUTHORIZATION NUMBER 5287
COOPER CITY, FL 33328
TEL: (954) 680-0000 FAX: (954) 680-0004
CERTIFICATE OF AUTHORIZATION NUMBER 5287

DATE:
DRAWN BY: RODIO-JACKSON, P.E. P.L.
P.E. NO.: 38890

SEAL:

DWG #: 0928-811F-0703

REVISION: 0

DATE: 09/28/2020

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

DRAWN BY F.O.

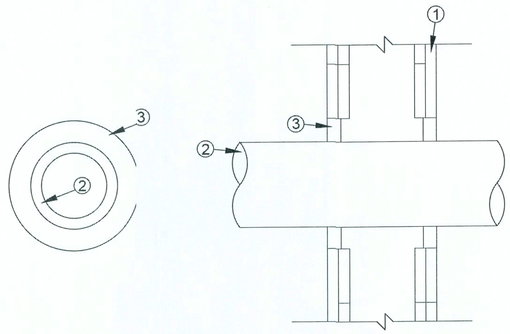
CHECKED BY S.P.

SHEET FA-2 OF 3

WL1147

1 OR 2 HOUR FIRE RATED THROUGH PENETRATION FIRESTOP FOR SINGLE METAL PIPE THROUGH GYPSUM WALLS USING TREMSTOP WBM.

F-RATING = 1 AND 2 HR.
T-RATING = 0 AND 1/2 HR.

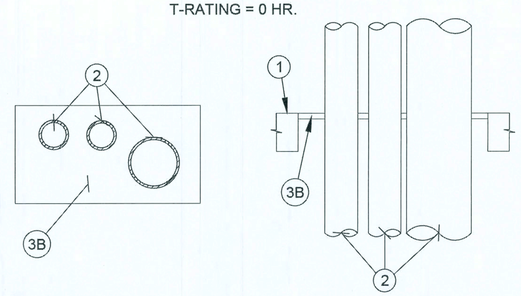


1. 1 OR 2 - HOUR FIRE RATED GYPSUM WALLBOARD/STUD ASSEMBLY
2. A) STEEL PIPE - 6" DIAM.(OR SMALLER) SCH. 40 (OR HEAVIER) STEEL
   B) CONDUIT - 4" DIAM.(OR SMALLER) EMT OR RIGID STEEL
3. TREMSTOP WBM - FILL MAX. 3/4" ANNULUS AT A THICKNESS OF 1 " (2 HR. F-RATING) OR 3/4" (1 HR. F-RATING).

CAJ--1304

2 HOUR FIRE RATED THROUGH PENETRATION FIRESTOP FOR MULTIPLE METAL PIPE THROUGH CONCRETE FLOORS OR WALLS USING FYRE-SHIELD.

F-RATING = 2 HR.
T-RATING = 0 HR.



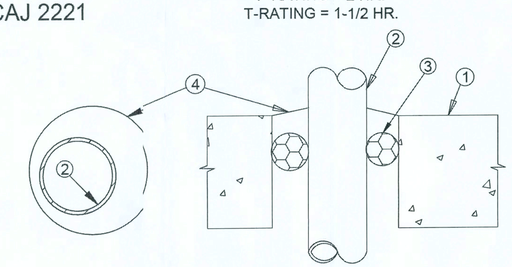
1. FLOOR OR WALL ASSEMBLY = 4 " THICK CONCRETE, MAX. AREA OF OPENING IS 288 SQ. IN.
2. COPPER PIPE: 4" DIA. (OR SMALLER) REGULAR (OR HEAVIER) COPPER.
   STEEL PIPE: 8" DIA. (OR SMALLER) SCH.40 (OR HEAVIER) STEEL.
   CONDUIT: 4" DIA. (OR SMALLER) EMT OR 6" DIA. (OR SMALLER) STEEL CONDUIT.
   COPPER TUBING: 4" DIA.(OR SMALLER) TYPE L(OR HEAVIER) COPPER.
   IRON PIPE: 8" DIA.(OR SMALLER) CAST OR DUCTILE IRON.
   MAX. NUMBER OF PIPES WITH OPENING IS THREE (3).
3. A) FORMING MATERIAL - (NOT SHOWN) - NOM. 1" THICK POLY URETHANE BACKER ROD FRICTION FITTED INTO OPENING.
   B) NOM. ½" FYRE-SHIELD THICKNESS INSTALLED WITHIN OPENING.

NOTE: FOR WALL APPLY FYRE-SHIELD TO BOTH SURFACES OF WALL.

CAJ 2221

2 HOUR FIRE RATED THROUGH PENETRATION FIRESTOP FOR SINGLE PLASTIC PIPE THROUGH CONCRETE FLOORS OR WALLS USING BLAZEMASTER CAULK & WALK

F-RATING = 2 HR.
T-RATING = 1-1/2 HR.

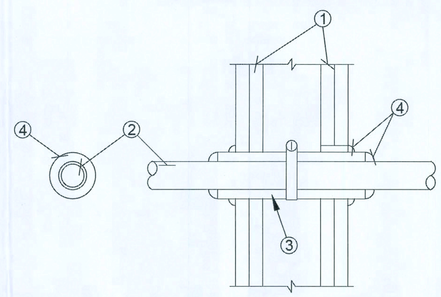


1. PRE-RATED CONCRETE FLOORS OR BLOCK WALLS = MIN. 4-1/2" THICKNESS
2. PLASTIC PIPE - A) NOM. 2" DIAM. (OR SMALLER) SCH. 40 PVC PIPE.
   B) NOM. 2DIAM. (OR SMALLER) CPVC PIPE
   THE ANNUAR SPACE RANGE SHALL BE MIN MIN 1/4" TO MAX 3/8"
   NOTE: FOR USE IN CLOSED (PROCESS OR SUPPLY) PIPING SYSTEMS.
3. FORMING MATERIAL - FOAM BACKER ROD FIRMLY PACKED INTO THE OPENING AS A PERMANENT FORM.
4. BLAZEMASTR CAULK & WALK - MIN 1/2" THICKNESS OF SEALANT APPLIED WITHIN OPENING, FLUSH TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL ASSEMBLY

WL2151

1 OR 2 HOUR FIRE RATED THROUGH PENETRATION FIRESTOP FOR PLASTIC PIPE THROUGH GYPSUM WALLS USING FYRE-CAN SLEEVE

F-RATING = 2 HR.
T-RATING = 1 HR.



1. PRE-RATED GYPSUM WALLBOARD/STUD ASSEMBLY.
2. PLASTIC PIPE - 3" DIA. OR 2" DIA. SCH.40 PVC FOR USE IN CLOSED OR VENTED PIPING SYSTEMS.
3. FYRE-CAN SLEEVE/INTUMESCENT DEVICE:

NOM. PIPE DIAM. (IN.)	DEVICE SIZE	DIAM. OF OPENING (IN.)	ANNULAR SPACE (IN.)
2	TS2	3-1/2	1/4 TO 7/8
3	TS3	4-3/4	1/2 TO 3/4

4. TREMSTOP WBM - MIN. 1/4" THICK SEALANT APPLIED AT SLEEVE/PIPE AND SLEEVE/WALL INTERFACES.

TREMCO®
3735 Green Rd.
Beachwood, OH44122

DRAWING NOT O SCALE

THE PRODUCTS USED IN THE ABOVE ASSEMBLY HAVE BEEN TESTED IN ACCORDANCE WITH THE FOLLOWING:
- ASTM E814 (UL1479) STANDARD TEST METHOD FOR THROUGH PENETRATION FIRESTOPPING.
- ASTM E119 (UL 263) STANDARD FOR FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS.

The above described assembly and products have been tested and are based on both past and anticipated performance criteria. tremco shall not be liable for any damages, direct or consequential, resulting from use of this material or design. tremco shall only be responsible for replacing material found to be defective.

REVISIONS

PROJECT
SMITH - SORENSON
LAKE CITY, FLORIDA 32055

DRAWING TYPE
FIRE ALARM PLAN

CONTRACTOR
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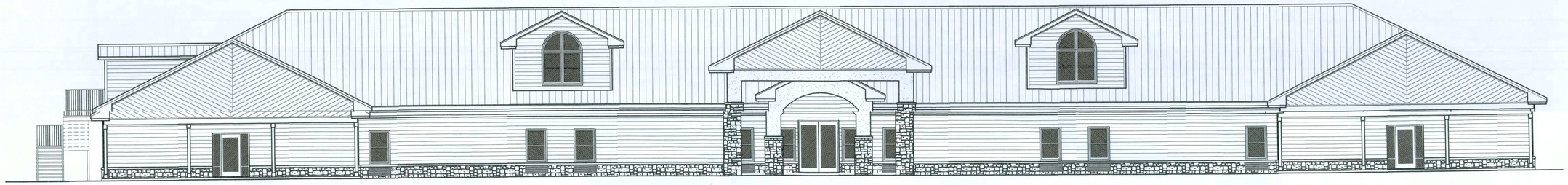
3856 S.W. 30th AVE.
HOLLYWOOD, FLORIDA 33312
(954)581-9393 FAX:(954)581-2896
STATE CERTIFIED EF 20000969

GATOR ENGINEERING CONSULTANTS, INC.
2000 NW 33RD STREET
COOPER CITY, FL. 33309
TEL: (954)-680-0000 FAX: (954)-680-0004
CERTIFICATE OF AUTHORIZATION NUMBER 5287
BY: REGINA BONO-JACKSON, P.E. FL
P.E. NO. 39950
SEAL

DWG #: 0928-81F-0703
REVISION: 0
DATE: 09/28/2020
SCALE: 1/8"=1'-0"
DRAWN BY F.O.
CHECKED BY S.P.
SHEET FA-1 OF 3



Assisted Living Facility for:

GRANDE CYPRESS

Lake City, Columbia County, Florida

Drawing Index

REVISION:

DRAWN: nps

ASSISTED LIVING FACILITY for
GRANDE CYPRESS
LAKE CITY, COLUMBIA COUNTY, FLORIDA
COVER SHEET

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-365-355

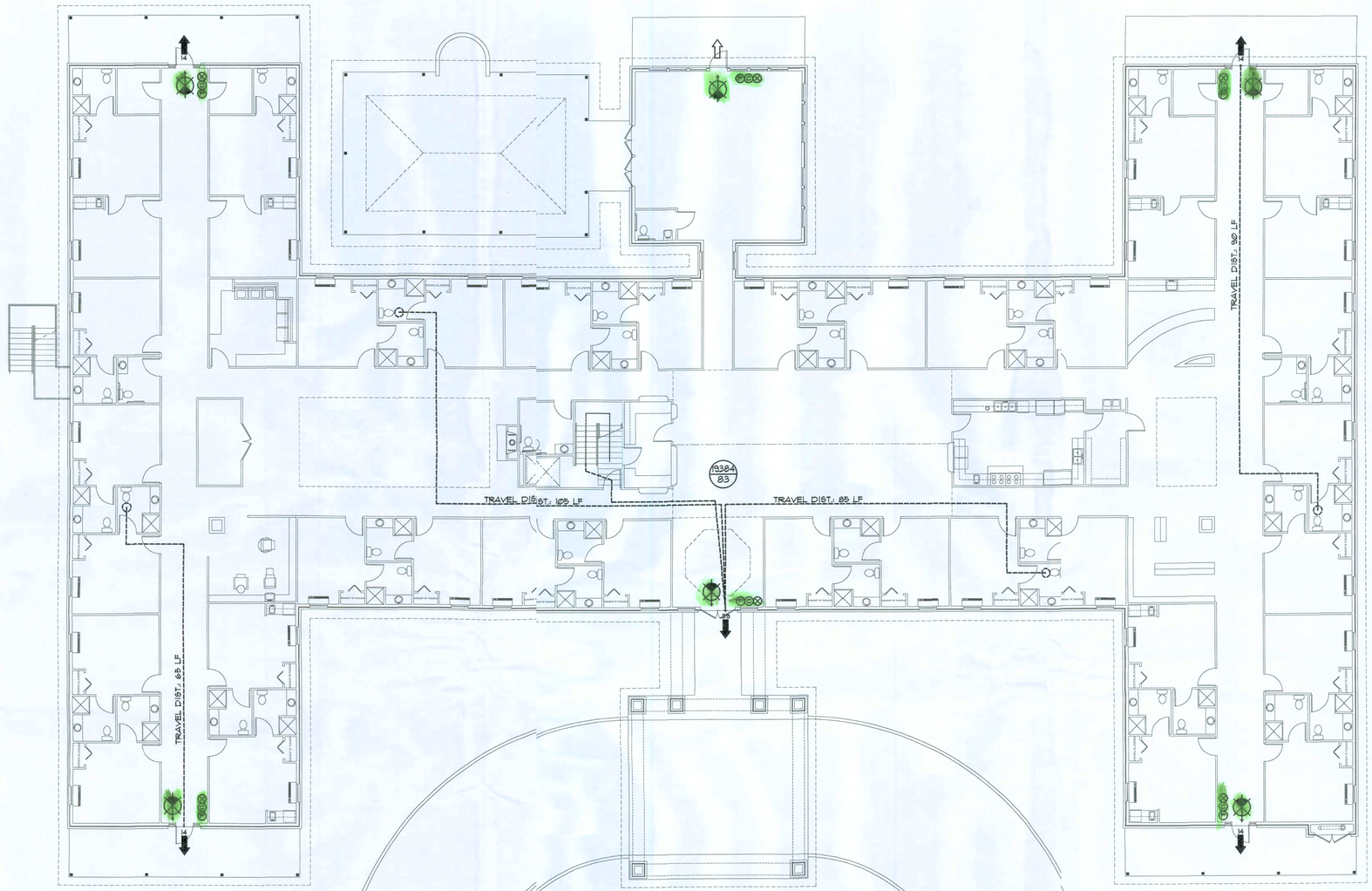
DATE: 18 AUG 2020

COMM: 2K2040

SHEET: CS.1

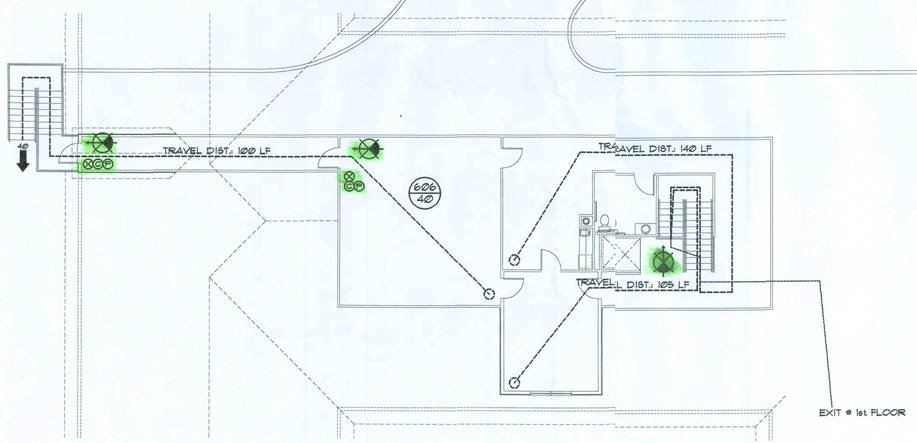
1 OF 1

AR0007005



LIFE SAFETY PLAN

SCALE: 3/32" = 1'-0"



LOFT LIFE SAFETY PLAN

SCALE: 3/32" = 1'-0"

LEGEND

- EXIT LIGHT - ARROW REPRESENTS DIRECTION OF EXIT
- WALL HANG "ABC" FIRE EXTINGUISHER
- DOOR CLOSER FOR EXITING OR RATING REASONS
- PANIC DEVICE
- 938 / 3D — ROOM SQUARE FOOTAGE / ROOM OCCUPANCY LOAD
- 1&5 — PRIMARY EGRESS / EXIT CAPACITY
- SECONDARY EGRESS

FIRE/INTRUSION ALARM SYSTEM

THIS BUILDING SHALL BE EQUIPPED WITH A SELF-CONTAINED FIRE ALARM - INTRUSION ALARM SYSTEM. THE OPERATION OF WHICH SHALL ALERT THE BUILDING OCCUPANTS AND NOTIFY THE 911 EMERGENCY RESPONSE SYSTEM. EQUIPMENT AND SERVICE PROVIDER SHALL BE AS SELECTED BY THE OWNER. DETAILS OF INSTALLATION SHALL BE VIA SHOP DRAWINGS AND OPERATING FEATURES SHALL BE AS REQUIRED BY NFPA 101, LATEST EDITION, "LIFE SAFETY CODE" SECTION 4.6.3.4

WET-PIPE SPRINKLER SYSTEM

THIS BUILDING SHALL BE EQUIPPED WITH A WET-PIPE SPRINKLER SYSTEM, DESIGNED BY A LICENSED FIRE PROTECTION ENGINEER OR FIRE PROTECTION SYSTEM DESIGNER CERTIFIED BY "NICET" TO A LEVEL THREE MINIMUM AND ENGAGED IN DESIGN OF FIRE PROTECTION SYSTEMS. SEE GENERAL NOTES FOR ADDITIONAL SYSTEM REQUIREMENTS

EXIT ACCESS TRAVEL DISTANCE PER FBC 1016, TABLE 1016.1
OCCUPANCY - RESIDENTIAL - R4
250 FT. (NO SPRINKLER SYSTEM)
350 FT. (W/ SPRINKLER SYSTEM)

NOTE!

TRAVEL DISTANCES SHOWN ARE MAXIMUM FOR EMERGENCY EGRESS. SECONDARY EM. EGRESS AND NON-EMERGENCY EGRESS - ALL OTHER TRAVEL DISTANCES ARE LESS THAN THAT SHOWN

R/F — 8" SQ. MALTESE CROSS W/ "F/R" IDENTIFIER SIGNAGE, MOUNTED @ 60" ABV. WALKWAY LOCATE AS DIRECTED BY THE FIRE MARSHALL

NOTE!

EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED PER NEC 1020-2F.

NOTE!

SMOKE DETECTORS SHALL BE MOUNTED NOT LESS THAN 90" ABOVE FINISHED FLOOR AND SHALL BE THE IONIZATION TYPE, INTERLOCKED TOGETHER, POWERED FROM EACH STORE PANEL W/BATTERY BACKUP

2017 FBC-BUILDING, TABLE 1004.1.

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT

OCCUPANCY CLASSIFICATION	FLOOR AREA	OCCUPANCY BASIS	NUMBER OF OCCUPS
PASSAGEWAY	4135.3	@ 1/200 SF	21
LIVING AREA	1528.2	@ 1/50 SF	
DINING AREA	725.0	@ 1/15 SF	
SOCIAL COR. LIB.	143.8	@ 1/200 SF	96 RESIDENTS
BED ROOMS	6893.1	@ 1/200 SF	
BATHS	229.4	@ 1/50 SF	
LAUNDRY	155.4	@ 1/50 SF	
CLOS./PANTRY	502.2	@ 1/200 SF	
KITCHEN	348.1	@ 1/200 SF	2 PER 8FT per FACMA-9.2.13
OFFICE	239.6	@ 1/100 SF	
LOFT PASSAGEWAY	737.4	@ 1/200 SF	4
LOFT OFFICE	251.3	@ 1/100 SF	3
LOFT WORKROOM	264.0	@ 1/100 SF	3
LOFT MEETINGROOM	606.2	@ 1/15 SF	40
LOFT RESTROOM	72.9	@ 1/50 SF	1
LOFT HALLS	145.1	@ 1/500 SF	1
MECH. EQUIP.	236.4	@ 1/500 SF	1
BUILDING	1264.9	@ 1/500 SF	3
BUILDING TOTALS:	21461.0 SQ. FT.		135 OCCUPANTS

REVISION:
02 SEP 2020

DRAWN:
NPG

ASSISTED LIVING FACILITY for SMITH - SORENSEN

LIVE OAK, SUWANNEE COUNTY, FLORIDA

LIFE SAFETY PLAN

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd
Lake City, FL 32055
386-365-4355

DATE:
18 AUG 2020

COMM:
2K2040

SHEET:
LSP.1
1 OF 1

AR0007005

Digitally signed by: N. P. GEISLER
DN: CN = N. P. GEISLER C = US
O = AR0007005 LIC# / ARCHITECT
Date: 2020.08.31 09:56:59 -00'00'

A.D.A NOTES: ACCESSIBILITY

RESTROOM NOTES

WATERCLOSETS: SHALL COMPLY WITH SEC. 4.16 OF ADA
HEIGHT OF SEAT SHALL BE IN ACCORDANCE WITH SEC. 4.16.3 OF DA
FLUSH CONTROLS SHALL BE IN ACCORDANCE WITH SEC. 4.16.5 OFADA

GRAB BARS: SHALL COMPLY WITH SEC. 4.16.4 OF ADA

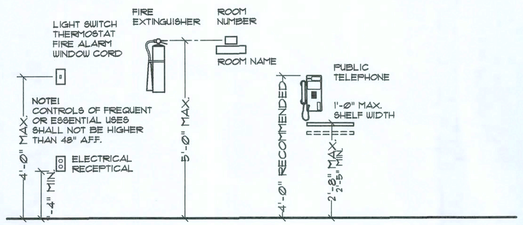
DISPENSERS: SHALL COMPLY WITH SEC. 4.16.6 OF ADA

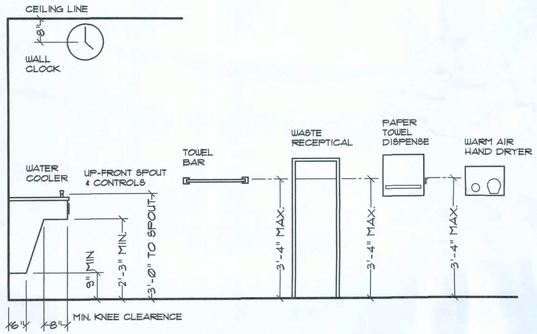
LAVATORIES, SINKS & MIRRORS: SHALL COMPLY W/ SECTION 4.19 OFADA
HEIGHTS SHALL COMPLY WITH SEC. 4.19.2.1 OF ADA
EXPOSED PIPES & SURFACES SHALL COMPLY W/ SECTION 4.19.4 C ADA
FAUCETS SHALL COMPLY WITH SEC. 4.19.5 OF ADA
MIRRORS SHALL COMPLY WITH SEC. 4.19.6 OF ADA

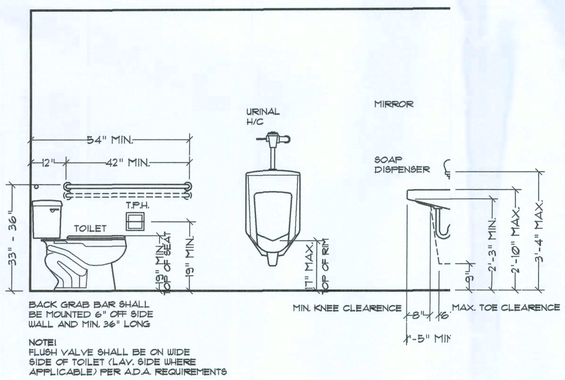
OWNER SELECTED MATERIAL AND INSTALLATION OF FINISH FLOORIN MATERIALS TO COMPLY WITH THE FOLLOWING:

SEC. 4.5 OF ADA
SEC. 4.3 OF ADA
APPLICABLE SECTIONS OF NFPA FIRE CODES
APPLICABLE SECTIONS OF NFPA 101-LATEST LIFE SAFETY CODE

FIXTURES, DEVICES AND RELATED HARDWARE NOT SPECIFICALLY EFINED OR MENTIONED ELSEWHERE ARE TO BE OWNER SELECTED AND INSALLED TO COMPLY WITH THE ABOVE APPLICABLE ADA SECTIONS.



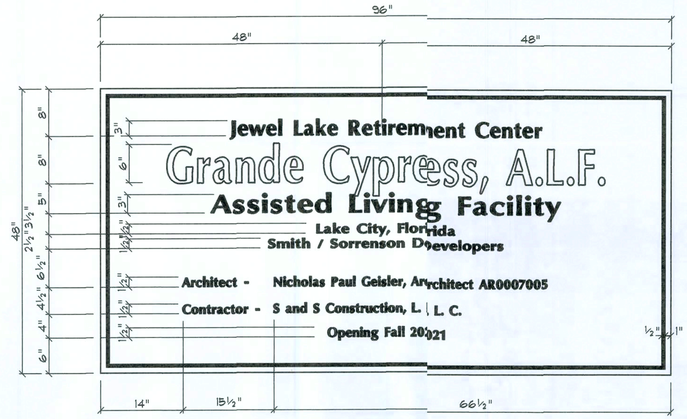


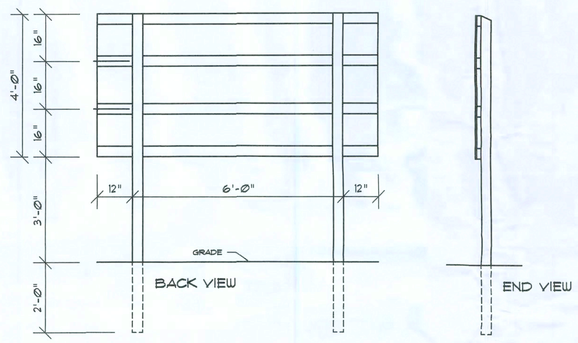


NOTE!
FLUSH VALVE SHALL BE ON WIDE SIDE OF TOILET (LAV. SIDE WHERE APPLICABLE) PER A.D.A. REQUIREMENTS

STANDARD MOUNTING PER A.D.A. REQUIREMENTS

SCALE: 1/2" = 1'-0"





Construction Sign DETAILS

SCALE: FACE: 1" = 1'-0" / DETAILS: 1/2" = 1'-0"

SIGNAGE NOTES

1. BACKING SHALL BE 48" X 96" X 1/2" ACX PLYWOOD, PRIMED AND PAINTED 2 COATS WHITE EXTERIOR ENAMAL.
2. SUPPORTS SHALL BE 4 - P/T 2X4 AT 16" O.C., AS SHOWN.
3. POSTS SHALL BE P/T 4X4, DIRECT BURIED, WITH THE TOP FACE CUT AT A 30° ANGLE AS SHOWN.
4. ASSEMBLY SHALL BE WITH 8 - 1/4" X 6" CARRAGE BOLTS W/ 1"ø WASHERS AND NUTS - 4 EACH POST.
5. THE BLUE BORDER SHALL BE A 1/2" WIDE BLACK STRIPE SET 1" IN FROM THE SIGN EDGE, ALL AROUND.
6. TEXT SHALL BE BLACK FOR ALL LINES EXCEPT THE 2nd LINE, WHICH SHALL BE LIGHT BLUE WITH 1/8" BLACK PIPING.
7. TEXT SPACING AND HEIGHT SHALL BE AS THE DETAIL.
8. FONT STYLE SHALL BE OPTIMA BOLD.

GENERAL NOTES:

1. THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.
2. THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORKMANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.
3. AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.
4. THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL.
5. THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING THE THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.
6. ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.
7. ALL WORK SHALL BE IN ACCORDANCE W/ APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.
8. ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABLES LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
9. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
10. INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", BATT INSULATION SHALL BE INCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED FROM HEATED / COOLED AREA.
11. INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GARAGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", INCLUDING R-11 BATT INSULATION.
12. CEILINGS OVER ATTACHED GARAGES OR GARAGES W/ LIVING AREA ABOVE SHALL BE 5/8" FIRECODE "C" GUB ON 1X3 WOOD FURRING AT 16" O.C., ATTACHED W/ 1 1/4" BUGLEHEAD SCREWS @ 6" O.C. ALONG EACH POINT OF BEARING.

STANDARD ABBREVIATIONS

@	AT	GALV.	GALVANIZED
#	NUMBER or POUND(S)	HORZ.	HORIZONTAL
=	EQUALS	INS.	INSULATION
ϕ	DIAMETER	INT.	INTERIOR
W/	WITH	LAV.	LAVATORY
W/O	WITHOUT	L.V.L.	LAMINATED VENEER LUMBER
℄	CENTERLINE	MAX.	MAXIMUM
&	AND	MIN.	MINIMUM
+/- or ±	PLUS OR MINUS	MISC.	MISCELLANEOUS
1'	ONE FOOT	M.O.	MASONRY OPENING
1"	ONE INCH	No. or Nr.	NUMBER
1/4" or ¼"	ONE QUARTER INCH	O.C.	ON CENTER
8d	8 PENNY	O/H	OVERHEAD
BM	BEAM	OHD	OVERHEAD DOOR
B.O.	BY OTHERS	PLYWD.	PLYWOOD
BOT.	BOTTOM	P/T	PRESSURE TREATED
CLG.	CEILING	REINF.	REINFORCING (ED)
CO	CLEANOUT	REQ'D	REQUIRED
CONC.	CONCRETE	RM.	ROOM
COTG	CLEANOUT TO GRADE	R.O.	ROUGH OPENING
DBL.	DOUBLE	SF	SQUARE FEET
DIM.	DIMENSION	SGD	SLIDING GLASS DOOR
DN.	DOWN	SHT.	SHEET
ELEV.	ELEVATION	SRLH	SUWANNEE RIVER LOG HOMES
EXT.	EXTERIOR	TYP.	TYPICAL
F	FRENCH (DOORS)	VERT.	VERTICAL
FDN.	FOUNDATION	WC	WATERCLOSET (TOILET)

PROJECT INFORMATION / NOTES:

DESIGN VALUES/LOADS & CODES

WIND DESIGN SPEED: 130 MPH, UNLESS NOTED OTHERWISE

SOIL DESIGN STATEMENT:
FOOTING DESIGN IS BASED UPON 1000PSF SOIL BEARING PRESSURE PROVIDED BY CLEAN SAND, GRAVEL OR STONE. OTHER SOIL CONDITIONS ie: CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS SHALL REQUIRE FOUNDATION MODIFACATIONS.

LIVE LOADS: 1st FLOOR: 40PSF, 2nd FLOOR: 40PSF, ROOF: AS DETERMINED BY SHAPE FACTORS APPLIED TO THE WIND FORCE GENERATED BY THE DESIGN WIND SPEED.

BUILDING CODE: 2011 FLORIDA BUILDING CODE, 6th EDITION

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - LATEST
LIFE SAFETY: NFPA-101 - LATEST

CONSTRUCTION DOCUMENTS

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES, FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRACATION OF ANY MATERIALS.

DO NOT SCALE OFF THESE PLANS

AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE ITEMS NOT DIMENSIONED.

CHANGES TO FINAL PLAN SETS

PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT. THE OWNER SHALL ASSUME ANY AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATION ON THE PLANS.

AS - BUILT DRAWING REQUIREMENTS:

A. ELECTRICAL "AS-BUILT" DRAWINGS
ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR. SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

B. H.V.A.C. "AS-BUILT" DRAWINGS
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONT'R SHALL PROVIDE 1 COPY OF AS-BLT. DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

C. PLUMBING "AS-BUILT" DRAWINGS
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONT'R SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

SYMBOLS

THESE SYMBOLS ARE MOST OFTEN ENCOUNTERED IN THE FOLLOWING DRAWINGS: ELEVATIONS, DIMENSION PLANS, SECTIONS & STRUCTURAL PLANS

+/- 0'-0" TOP OF SUB-FLOOR	TYPE OF ELEVATION MARK USED TO INDICATE A PREFERRED TARGET ELEVATION - TRUE MEASUREMENT.
TOP OF 19th LOG COURSE NOMINAL + 8'-8 1/2"	TYPE OF ELEVATION MARK USED TO INDICATE THE TOP OF A LOG WALL STACK - NOMINAL ONLY.
A / A.5	TYPE OF DETAIL MARK USED TO INDICATE A SECTION OR DETAIL ASSOCIATED WITH A PLAN VIEW
A / A.5	TYPE OF DETAIL MARK USED TO INDICATE A SECTION ie: SECTION "A" ON SHEET "A.5", TAIL INDICATES DIRECTION OF VIEW
A / A.5	TYPE OF SECTION MARK USED TO INDICATE A VIEW TAKEN IN THE DIRECTION OF THE ARROW ie: SECTION "A" FOUND ON "D.6a" OF THE PROJECT MANUAL
A	INDICATES FOOTING TYPE "A", DESCRIBED IN THE FOOTING SCHEDULE
1	INDICATES POST/COLUMN TYPE "1", DESCRIBED IN THE COLUMN SCHEDULE
1	INDICATES POST/COLUMN TYPE "1", LOCATED BELOW CURRENT LEVEL
2	INDICATES POST/COLUMN TYPE "2", LOCATED ABOVE CURRENT LEVEL
2 / 1	INDICATES POST/COLUMN TYPE "2" LOCATED OVER TYPE "1" POST/COLUMN

REVISION:
02 SEP 2020

DRAWN:
NPG

ASSISTED LIVING FACILITY for
GRANDE CYPRESS
LAKE CITY, COLUMBIA COUNTY, FLORIDA
GENERAL INFORMATION

Celebrating 46 Years
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
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Lake City, FL 32055
386-363-4355

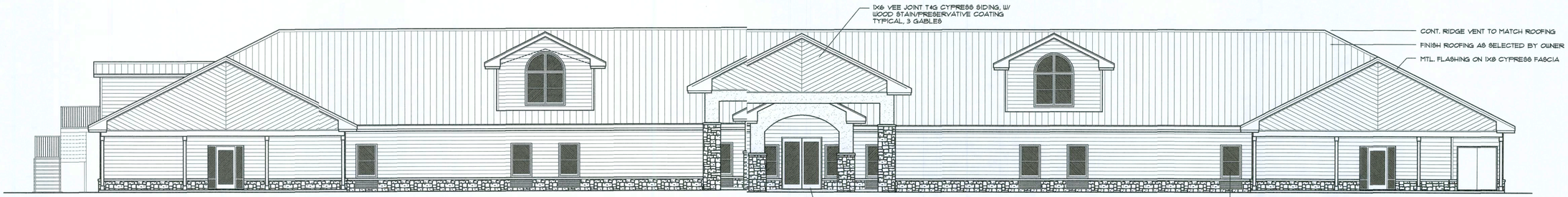
DATE:
18 AUG 2020

COMM:
2K2040

SHEET:
G.1
1 OF 1

Digitally signed by N. P. GEISLER
DN: CN = N. P. GEISLER, C = US, O = AR0007005 QUALIFIED ARCHITECT
Date: 2020.08.03 15:57:38 -05'00'

AR0007005

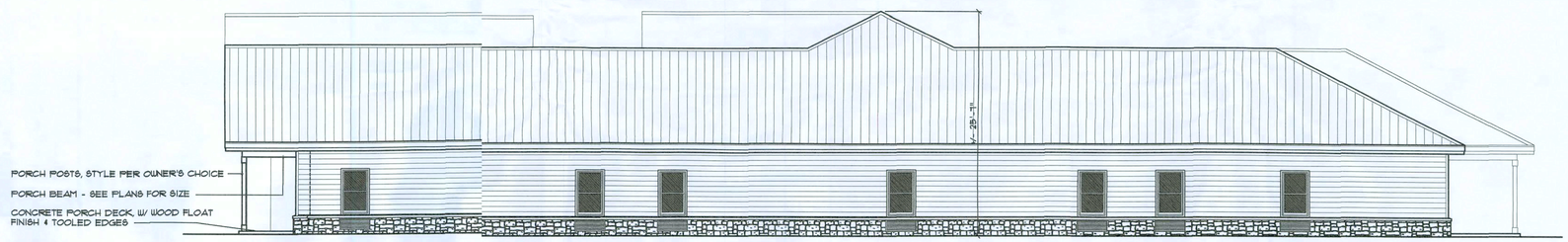


Front ELEVATION

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

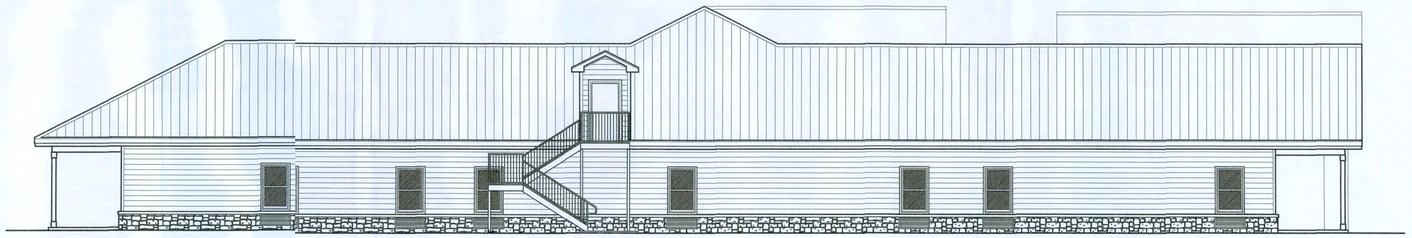
Rear ELEVATION

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



Right ELEVATION

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



Left ELEVATION

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

REVISION:
22 SEP 2020

DRAWN:
npg

ASSISTED LIVING FACILITY for
SMITH - SORENSEN
LAKE CITY, COLUMBIA COUNTY, FLORIDA
PROPOSED FLOOR PLAN

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386- 365- 4355

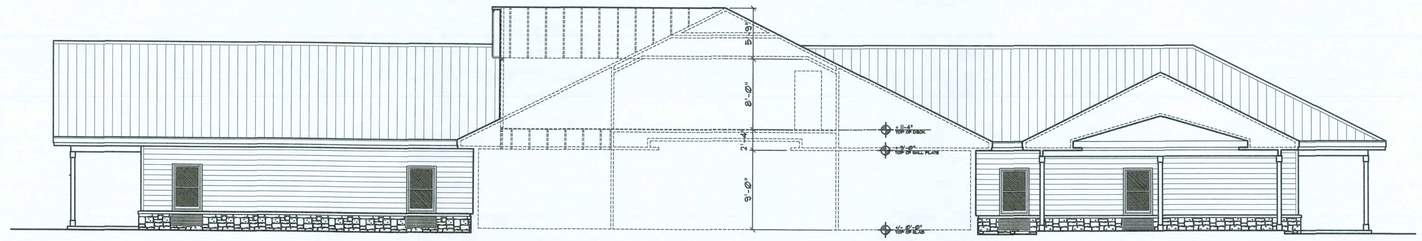
DATE:
8 AUG 2020

COMM:
2K2040

SHEET:
A.1
1 OF 11

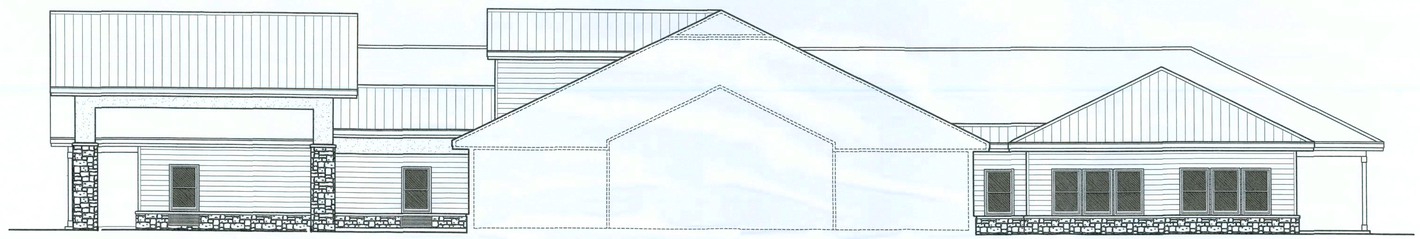
Digitally signed by: N. P. GEISLER
DN: CN = N. P. GEISLER C = US
O = AR0007005 N. P. GEISLER, ARCHITECT
Date: 2020.09.09 08:58:16 -05'00'

AF0007005



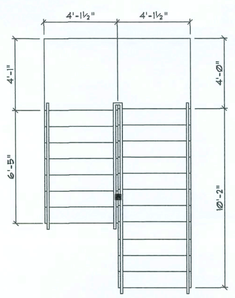
Courtyard ELEVATION

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

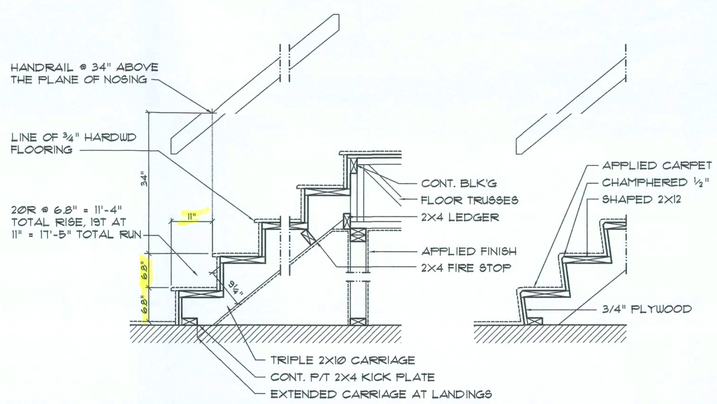


Courtyard ELEVATION

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



PLAN
WOOD STAIR



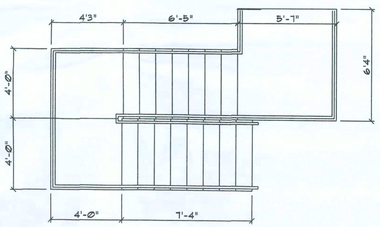
FOOT HEAD
FINISHED WOOD STAIR

FOOT
CARPETED STAIR

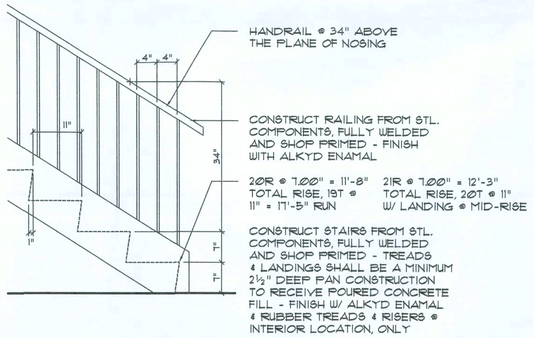
Interior Wood Stair DETAIL

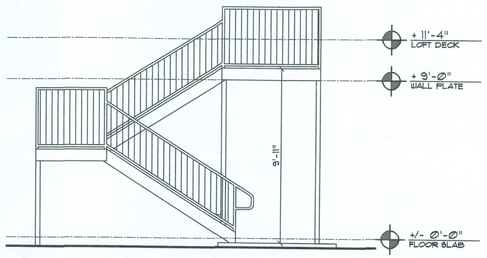
SCALE: 3/4" = 1'-0"

A



PLAN
STEEL STAIRS





PLAN
STEEL STAIRS

Exterior Steel Stair DETAIL

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

B

REVISION:
02 SEP 2020

DRAWN:
NPG

ASSISTED LIVING FACILITY for
SMITH - SORENSEN
LAKE CITY, COLUMBIA COUNTY, FLORIDA
PROPOSED FLOOR PLAN

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
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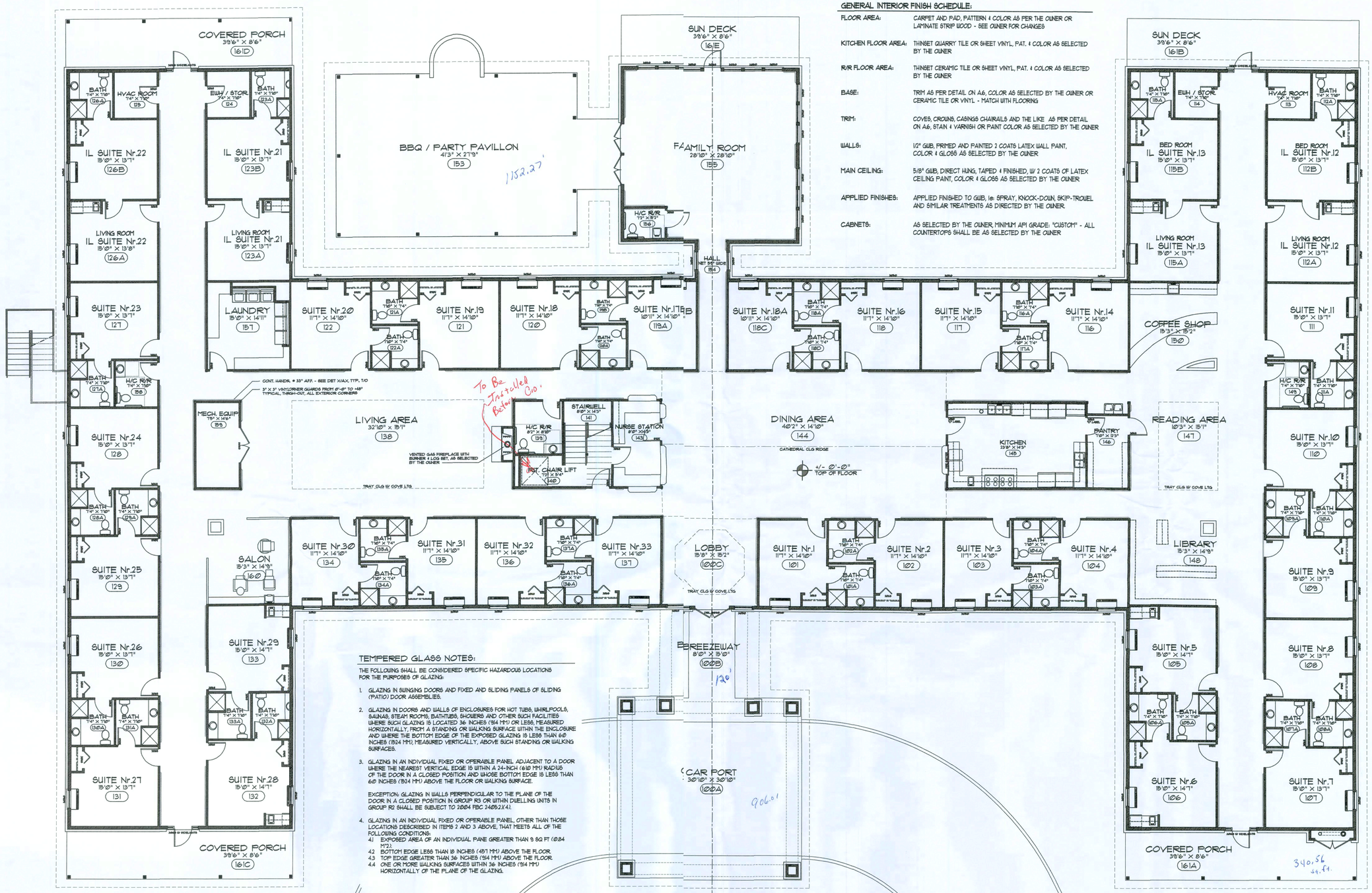
NCARB CERTIFIED
1758 NW Brown Rd.
Lake City, FL 32055
386-755-1532

DATE:
18 AUG 2020

COMM:
2K2040

SHEET:
A.2
2 OF 11

AR0007005



GENERAL INTERIOR FINISH SCHEDULE:

FLOOR AREA:	CARPET AND PAD, PATTERN & COLOR AS PER THE OWNER OR LAMINATE STRIP WOOD - SEE OWNER FOR CHANGES
KITCHEN FLOOR AREA:	THINSET QUARRY TILE OR SHEET VINYL, PAT. & COLOR AS SELECTED BY THE OWNER
R/R FLOOR AREA:	THINSET CERAMIC TILE OR SHEET VINYL, PAT. & COLOR AS SELECTED BY THE OWNER
BASE:	TRIM AS PER DETAIL ON A6, COLOR AS SELECTED BY THE OWNER OR CERAMIC TILE OR VINYL - MATCH WITH FLOORING
TRIM:	COVES, CROWNS, CASINGS CHAIRRAILS AND THE LIKE AS PER DETAIL ON A6, STAIN & VARNISH OR PAINT COLOR AS SELECTED BY THE OWNER
WALLS:	1/2" GWB, PRIMED AND PAINTED 2 COATS LATEX WALL PAINT, COLOR & GLOSS AS SELECTED BY THE OWNER
MAIN CEILING:	5/8" GWB, DIRECT HUNG, TAPED & FINISHED, W/ 2 COATS OF LATEX CEILING PAINT, COLOR & GLOSS AS SELECTED BY THE OWNER
APPLIED FINISHES:	APPLIED FINISHED TO GWB, ie: SPRAY, KNOCK-DOWN, SKIP-TROWEL AND SIMILAR TREATMENTS AS DIRECTED BY THE OWNER
CABNETS:	AS SELECTED BY THE OWNER, MINIMUM AP1 GRADE: "CUSTOM" - ALL COUNTERTOPS SHALL BE AS SELECTED BY THE OWNER

TEMPERED GLASS NOTES:

THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF GLAZING:

1. GLAZING IN SWINGING DOORS AND FIXED AND SLIDING PANELS OF SLIDING (PATIO) DOOR ASSEMBLIES.
2. GLAZING IN DOORS AND WALLS OF ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND OTHER SUCH FACILITIES WHERE SUCH GLAZING IS LOCATED 36 INCHES (914 MM) OR LESS, MEASURED HORIZONTALLY, FROM A STANDING OR WALKING SURFACE WITHIN THE ENCLOSURE AND WHERE THE BOTTOM EDGE OF THE EXPOSED GLAZING IS LESS THAN 60 INCHES (1524 MM), MEASURED VERTICALLY, ABOVE SUCH STANDING OR WALKING SURFACES.
3. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH (610 MM) RADIUS OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES (1524 MM) ABOVE THE FLOOR OR WALKING SURFACE.

   EXCEPTION: GLAZING IN WALLS PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION IN GROUP R3 OR WITHIN DWELLING UNITS IN GROUP R2 SHALL BE SUBJECT TO 2004 FBC 2405.2.1.4).
4. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEMS 2 AND 3 ABOVE, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
   - 4.1 EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ FT (0.84 M²2).
   - 4.2 BOTTOM EDGE LESS THAN 18 INCHES (457 MM) ABOVE THE FLOOR.
   - 4.3 TOP EDGE GREATER THAN 36 INCHES (914 MM) ABOVE THE FLOOR.
   - 4.4 ONE OR MORE WALKING SURFACES WITHIN 36 INCHES (914 MM) HORIZONTALLY OF THE PLANE OF THE GLAZING.

FLOOR PLAN

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

GRAPHIC SCALE 10 20 10 20

PUBLIC TOILET ROOM ACCESSORIES

MANUF'R	ITEM	MODEL Nr.	COMMENTS
BRADLEY	PAPER TOWEL DISP.	2494	SURFACE MOUNTED, 48" A.F.F., BATTERY OPERATION
BOBRICK	HANDICAP RAILING	B-5806.99-36	PEENED GRIP SURFACES
BOBRICK	TOILET TISSUE DISP'R	B-2892	JUMBO DUAL ROLL - 36" AFF. TO TOP
BOBRICK	SOAP DISP'R	B-211	54 7/8" AFF. TO TOP
-	MIRROR	-	WALL ABV. VANITY TO RECEIVE FULL MIRROR

BOBRICK WASHROOM ACCESSORIES
200 COMMERCE DRIVE
CLIFTON PARK, NY 12065-1336
518-871-1444
www.bobrick.com

NOTE!!! MANUFACTURERS LISTED ARE FOR BASIS OF COMPARISON FOR "AS EQUAL" PRODUCTS OTHER MANUFACTURER'S PRODUCTS MAY BE SUBSTITUTED WITH ARCHITECT'S APPROVAL FOR PRODUCTS MEETING OR EXCEEDING THE SPECIFACATIONS FOR THOSE LISTED IN THE SCHEDULE, ABOVE

REVISION:
02 SEP 2020

DRAWN: rpg

ASSISTED LIVING FACILITY for
SMITH - SORENSEN
LAKE CITY, COLUMBIA COUNTY, FLORIDA
FLOOR PLAN

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
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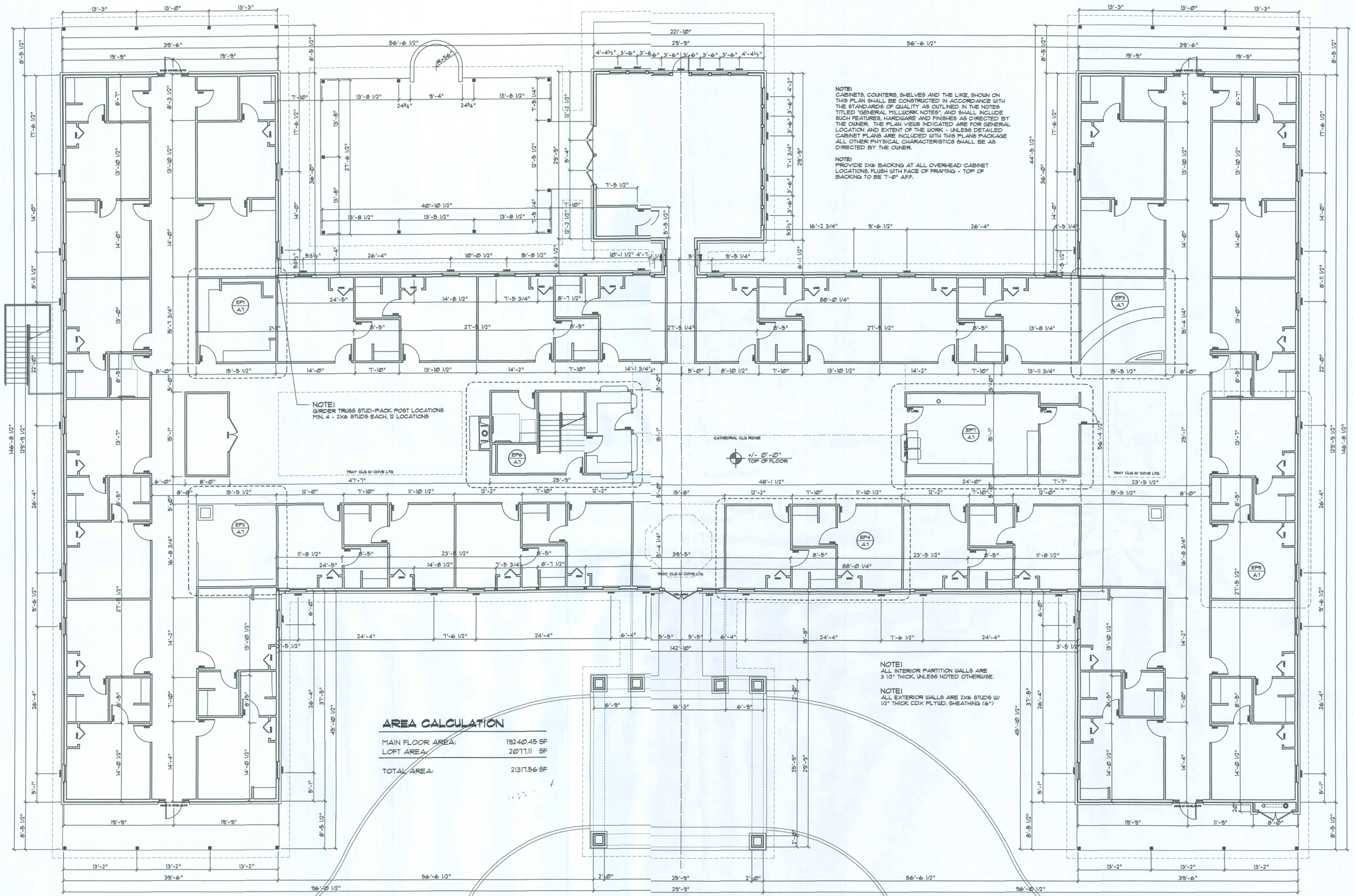
DATE: 18 AUG 2020
COMM: 2K2040

SHEET A.3
3 OF 11

Digitally signed by: N.P. GEISLER
DN: CN = N.P. GEISLER C = US
O = AR0007005 OU = ARCHITECT
Date: 2020.08.03 09:59:46 -05'00'

AR0007005



REVISION:
01 SEP 2020
06 SEP 2020

DRAWN:
NPG

ASSISTED LIVING FACILITY for SMITH - SORENSEN

LAKE CITY, COLUMBIA COUNTY, FLORIDA

DIMENSION PLAN

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER ARCHITECT
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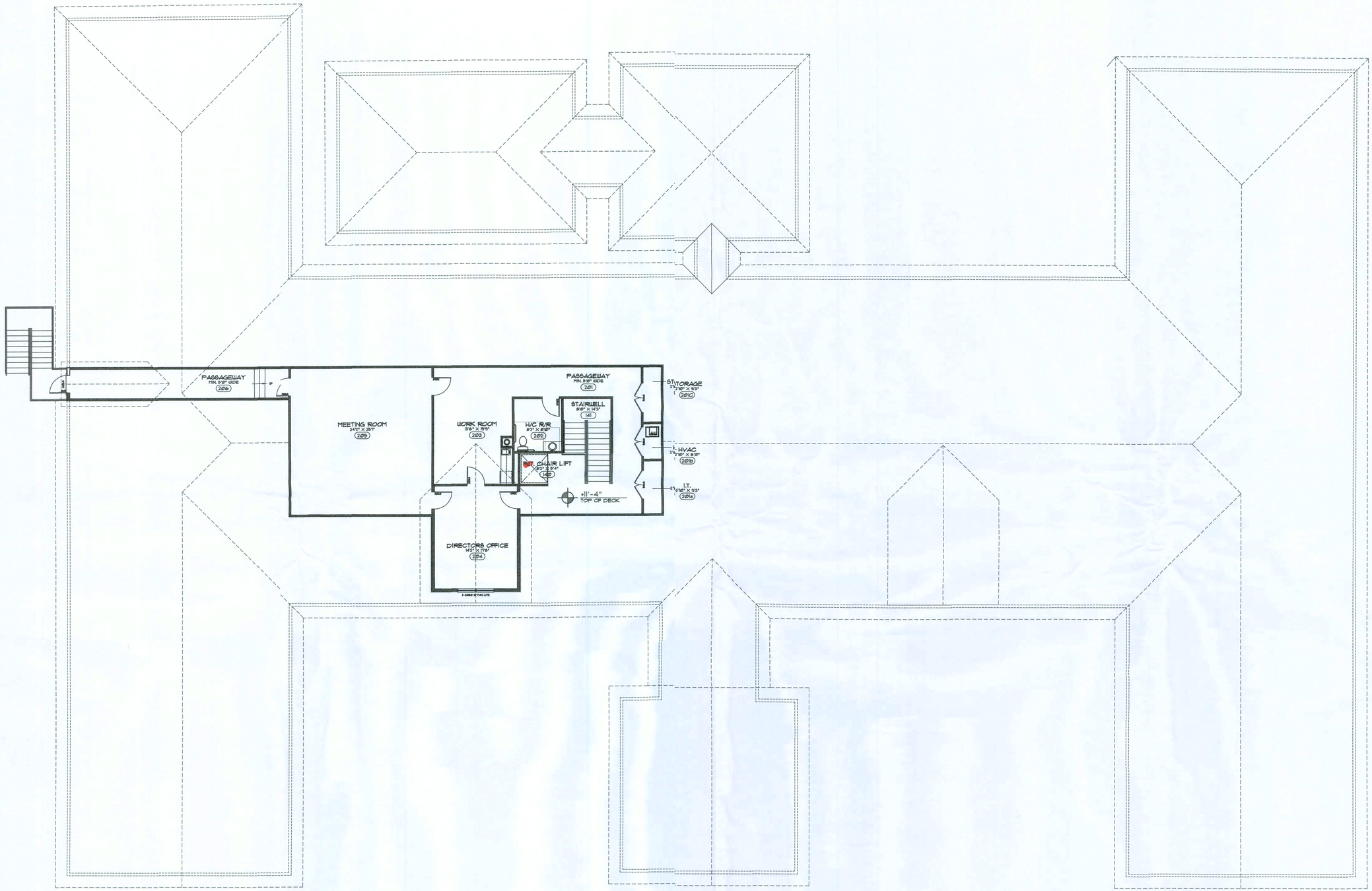
1758 NW Brown Rd.
Lake City, FL 32055
386-752-4333

DATE
18 AUG 2020

COMR:
2K2040

SHEE:
A.4
4 OF 11

AR0007005



LOFT PLAN

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

GRAPHIC: SCALE

10 0 10 20

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REVISION:

DRAWN: nps

ASSISTED LIVING FACILITY for
SMITH - SORENSEN
LAKE CITY, COLUMBIA COUNTY, FLORIDA
LOFT PLAN

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
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386-365-4355

DATE: 18 AUG 2020

COMM: 2K2040

SHEET: A.5

5 OF 11

Digitally signed by: N. P. GEISLER
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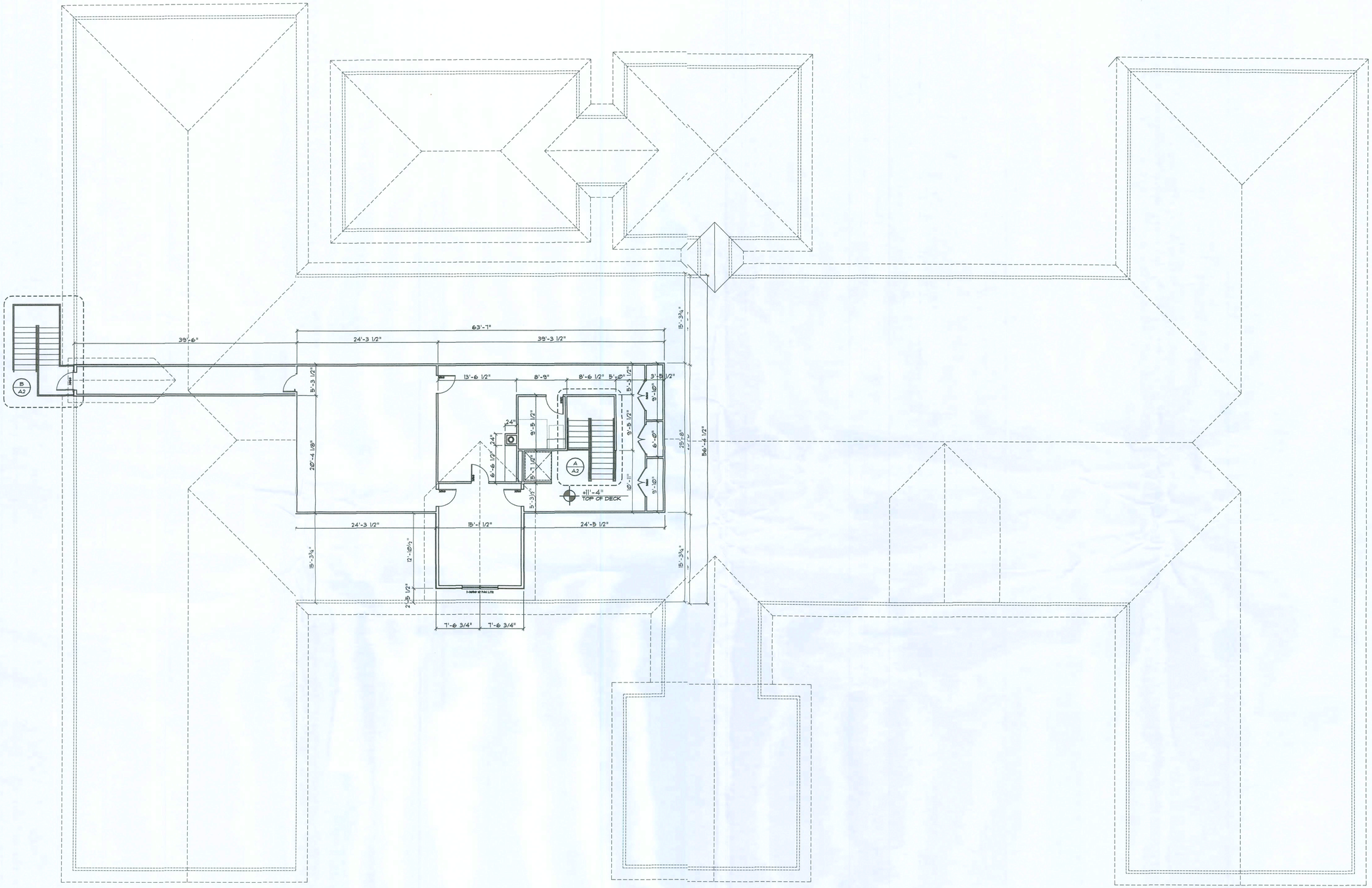
O = Assisted Living Architects
Date: 2020.08.06 06:01:04 -05'00'

AR0007005



LOFT DIM. PLAN

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

GRAPHIC SCALE

10 00 10 20

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02 SEP 2020

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rpg

ASSISTED LIVING FACILITY for
SMITH - SORENSEN
LAKE CITY, COLUMBIA COUNTY, FLORIDA
LOFT DIMENSION PLAN

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

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386-369-4355

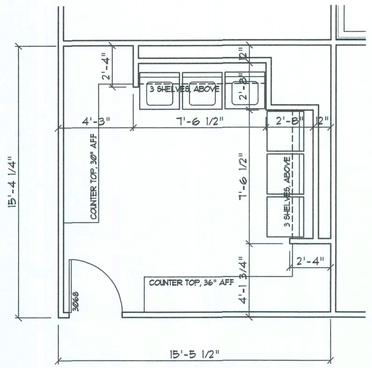
DATE:
18 AUG 2020

COMM:
2K2040

SHEET:
A.6
6 OF 11

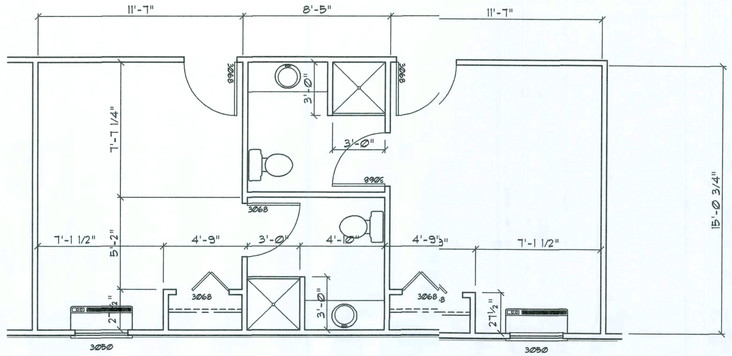
Digitally signed by: N. P. GEISLER
DN: C=US, E=NPGEISLER@ATT.NET, O=AR0007005, OU=ARCHITECT
Date: 2020.08.03 09:01:37 -05'00'

AR0007005



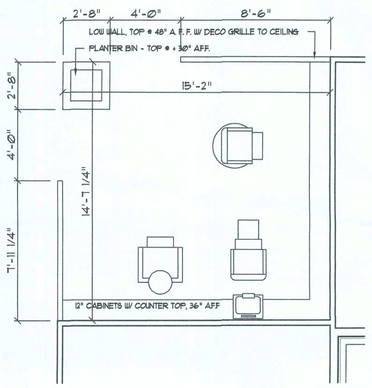
Laundry PLAN (EP1)

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



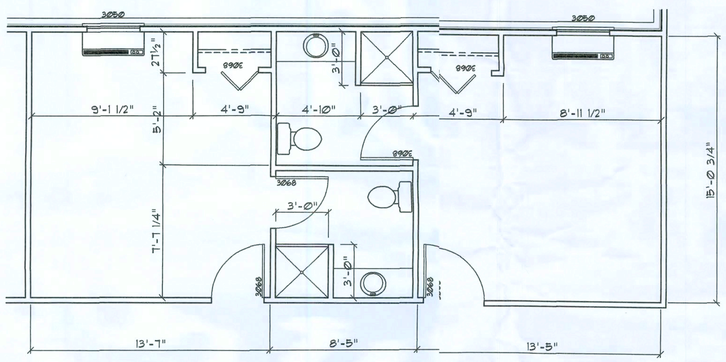
Small Dual Unit PLAN (EP4)

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



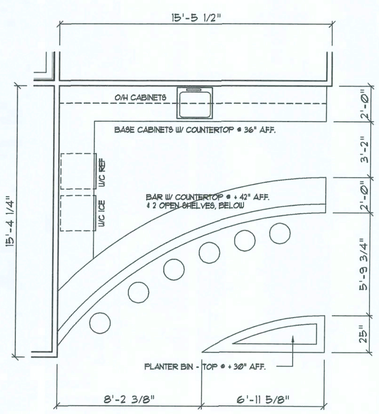
Beauty PLAN (EP2)

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



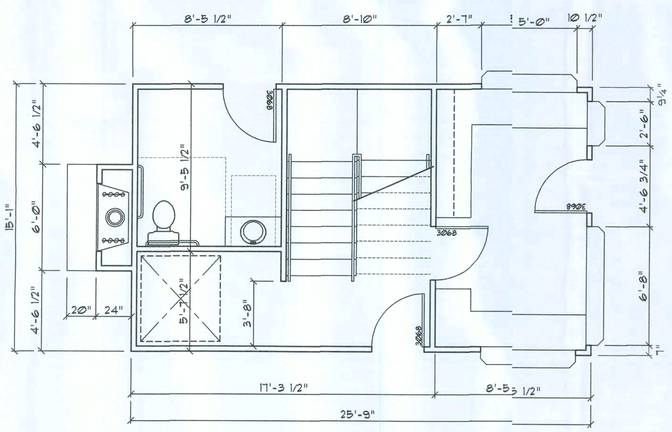
Large Dual Unit PLAN (EP5)

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



Coffee Shop PLAN (EP3)

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

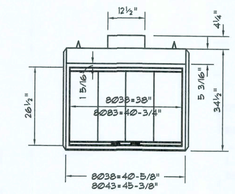


Office Area PLAN (EP6)

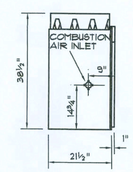
SCALE: 1/4" = 1'-0"

APPLIANCE SPECIFICATIONS

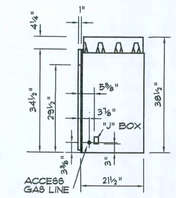
MODELS: KR 43, KC 43, KBV 43, BRF 4375, BCF 4385
RD 4300A, HC 4320, HCE 4550A,
UVFR 43, UVFC 43, GRDE 8043



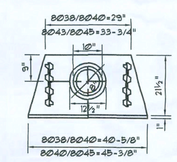
FRONT VIEW



LEFT SIDE



RIGHT SIDE



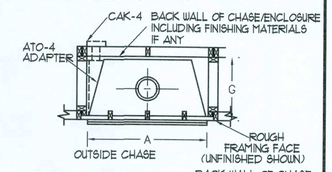
TOP VIEW

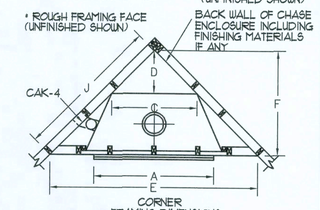
SCALE: 1/2"=1'-0"

SUPERIOR.

FRAMING SPECIFICATIONS

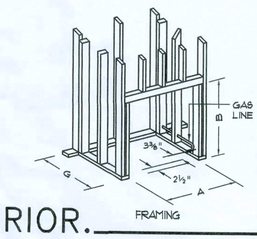
NOTE: FRAMING DIMENSIONS ARE CALCULATED FOR A NAILING FLANGE DEPTH OF 1/2"





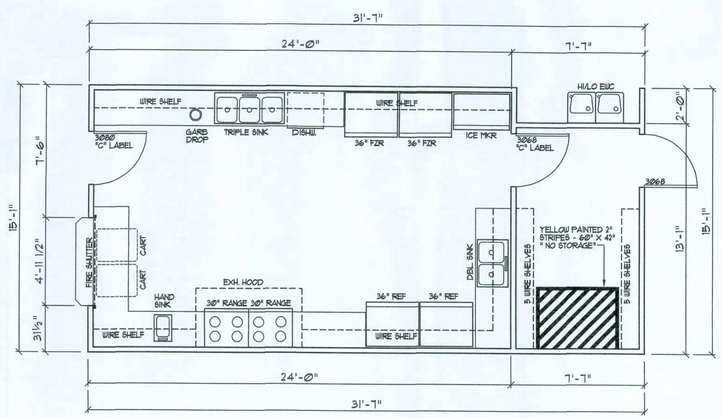
CORNER FRAMING DIMENSIONS

	APPLIANCE SIZES	
	38/40	43/45
A	40-3/4"	45-1/2"
B	39"	39"
C	28"	33-3/4"
D	14-1/2"	16-7/8"
E	70-3/4"	77-1/2"
F	35-3/8"	37-3/4"
G	21-3/8"	21-3/8
H	4"	4"
J	50"	53-3/8"



Typ.Fireplace DET. (FP1)

SCALE: 1/2" = 1'-0"



Kitchen Area PLAN (EP7)

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

REVISION:
02 SEP 2020

DRAWN:
nps

ASSISTED LIVING FACILITY for
GRANDE CYPRESS
LAKE CITY, COLUMBIA COUNTY, FLORIDA
ENLARGED PLANS

Celebrating 50 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS GEISLER ARCHITECT
N.C.A.R.B. Certified
1756 NW Brown Rd.
Lake City, FL 32055
386-365-4355

DATE:
18 AUG 2020

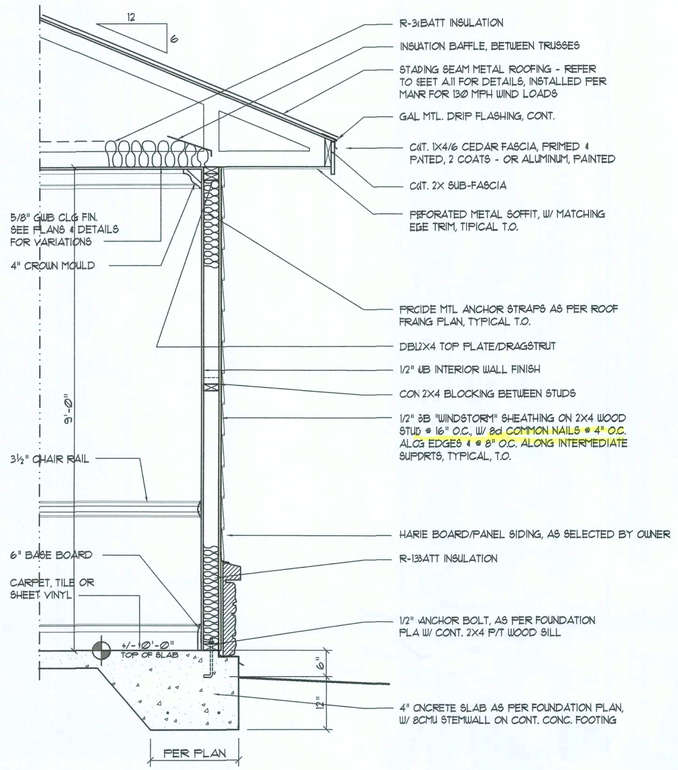
CODE:
2K2040

SHEET:
A.7
7 OF 11

Digitally signed by: N. P. GEISLER
DN: C=US, E=, L=LAKE CITY, FL, O=, OU=, CN=N. P. GEISLER
O = AR0007005, OU = ARCHITECT
Date: 2020.09.09 09:26:49 -05'00'

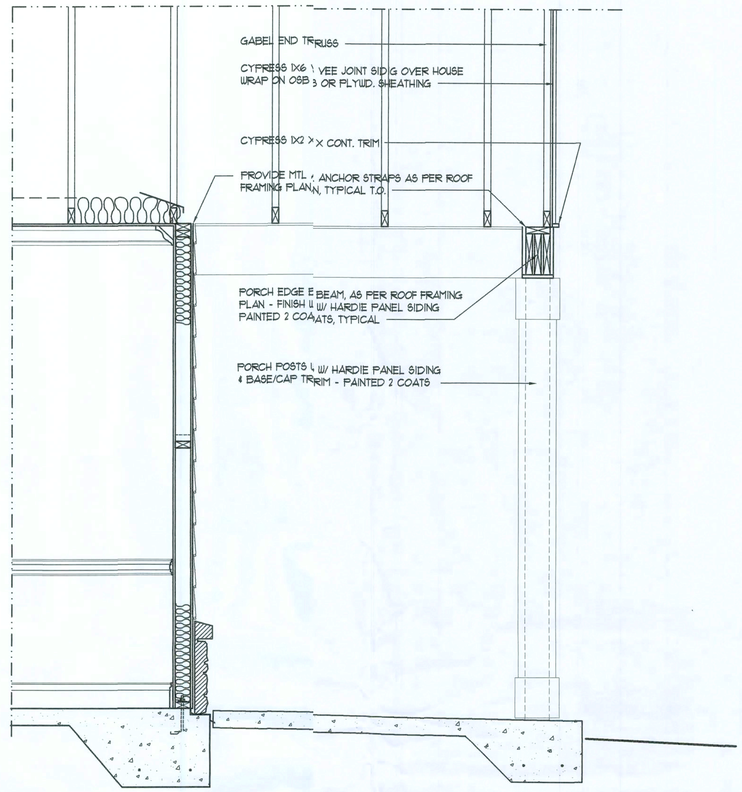
AR0007005

EXTERIOR WALL SHEATHING:
APPLY VERTICALLY, "WindSTORM" 7/16" OSB 48" X 97", 109", 121" OR 145" SHEATHING. FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITER 6d COMMON NAILS @ 3" O.C. OR 8d COMMON NAILS @ 4" O.C. FASTEN O EACH STUD WITH EITHER 6d COMMON NAILS @ 6" O.C. OR 8d COMMO NAILS @ 8" O.C.



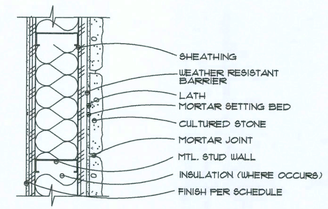
Wall SECTION (A)

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



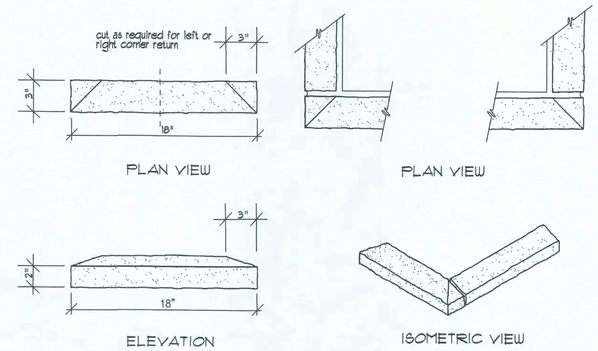
Porch Wall SECTION (B)

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



INSTALLATION OVER SHEATHING

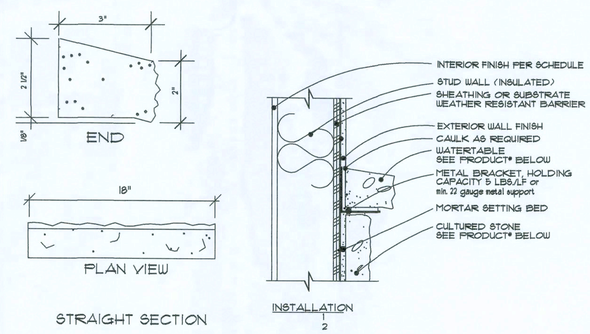
SCALE: NONE



OUTSIDE CORNER

WATERTABLE outside corner components

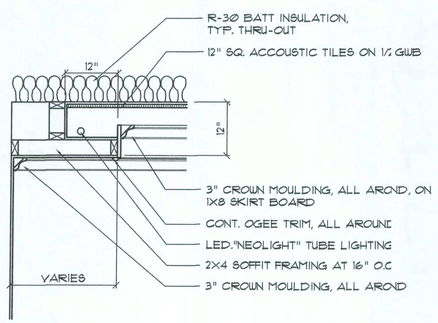
SCALE: NONE



STRAIGHT SECTION

WATERTABLE @ WAINSCOT

SCALE: NONE



Cove Ltg./Soffit SEC. (C)

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

CULTURED STONE DETAILS (E)

SCALE: NONE

Digitally signed by N. P. GEISLER
DN: C=US, O=GEISLER, L=LAKE CITY, O=AR0007005, OU=ARCHITECT
Date: 2020.09.03 09:02:49 -05'00'

REVISION:
01 SEP 2020

DRAWN:
rpg

ASSISTED LIVING FACILITY for
GRANDE CYPRESS
LAKE CITY, COLUMBIA COUNTY, FLORIDA
WALL SECTIONS & DETAILS

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

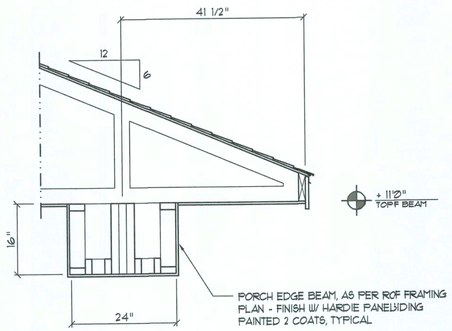
NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. CERTIFIED
1758 NW Brown Rd.
Lake City, FL 32055
386-365-4252

DATE
18 AUG 2020

COMM:
2K2040

SHEET:
A.8
8 OF 11

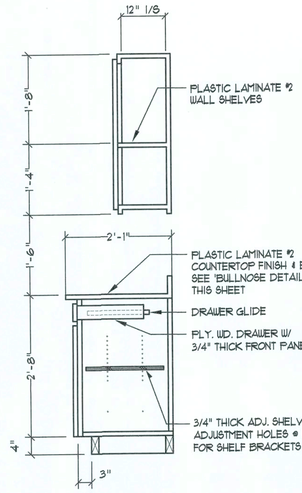
AR0007005



Entry Canopy SEC. (A)

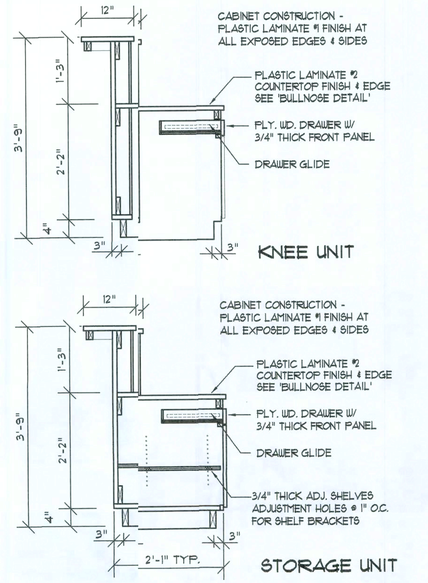
SCALE: 3/4" = 1'-0"

NOTE!
PROVIDE 2X6 BACKING AT ALL OVERHEAD CABINET LOCATIONS, FLUSH WITH FACE OF FRAMING - TOP OF BACKING TO BE 7'-0" AFF.



Base & O/H Cab.

SCALE 3/4" = 1'-0"



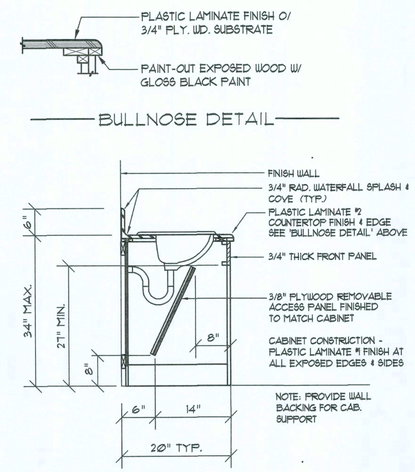
Desk W// Walk-up Counter

SCALE 3/4" = 1'-0"

NOTE!
THESE COUNTER DETAILS ARE GENERAL IN NATURE AND PROVIDE A BASIS FOR ACTUAL CABINET CONSTRUCTION.

Typical Cabinet DETAILS (C)

SCALE 3/4" = 1'-0"

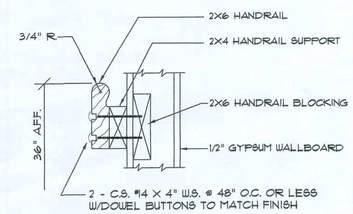


R/R Vanity Cab.

SCALE 3/4" = 1'-0"

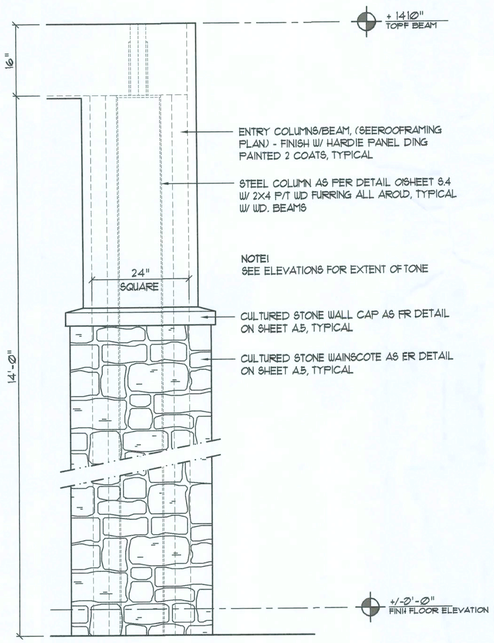
HANDRAILS

1. HANDRAILS SHALL BE 1 1/2" WIDE X 5 1/2" DEEP, MOUNTED 36" ABOVE FLOOR.
2. HANDRAIL SUPPORT SPACERS SHALL BE 1 1/2" X 3 1/2", AS SHOWN IN DETAIL
3. FASTENERS AND MOUNTING SUPPORT SHALL BE ABLE TO WITHSTAND 250 LBS. POINT LOAD IN TENSION.
4. SURFACE OF WALL ADJACENT TO HANDRAIL IS TO BE FREE OF SHARP OR ABRASIVE ELEMENTS
5. SURFACE OF HANDRAIL IS TO BE SANDED & FREE SHARP CORNERS OR ABRASIVE ELEMENTS



Handrail DET. (E)

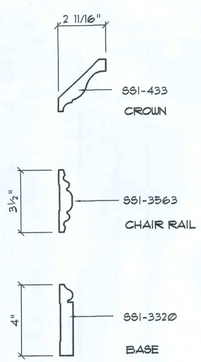
SCALE = NONE



NOTE!
SEE ELEVATIONS FOR EXTENT OF TONE

Entry Canopy SEC. (E)

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

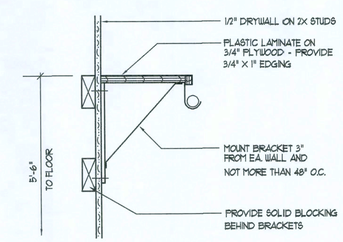


NOTE !!!
ALL PROFILES AS PER S&S CRAFTSMAN, INC., TAMPA FLORIDA
PAINTED TRIM WOOD SPECIES SHALL BE "POPLAR"
STAINED TRIM WOOD SPECIES SHALL BE "POPLAR"

Wall/Ceiling Trim PROFILES (D)

SCALE: 3" = 1'-0"

ALTERNATE:
FOR TRIM TYPE T1, 2" DENTAL MOULDING SHALL BE INSERTED BETWEEN SSI-456 AND SSI-3349



Closet Rod & Shelf (F)

SCALE: NONE

GENERAL MILLWORK NOTES:

1. MILLWORK SUB-CONTRACTOR PROVIDING CASEWORK, MILLWORK OR THE LIKE FOR THIS PROJECT SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6 OF THE GENERAL NOTES, THIS SHEET.
2. SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING: FABRICATION AND DELIVERY OF MILLWORK, SHOWN IN THE DRAWINGS, TO THE JOB SITE, INSTALLATION OF CABINET HINGES, CATCHES, DRAWER & TRAY GUIDES, ADJUSTABLE SHELF STANDARDS & SURFACE BOLTS.
3. ALL APPLICABLE STANDARDS OF "AWI QUALITY STANDARDS & GUIDE SPECIFICATIONS" APPLY TO THIS PROJECT, UNLESS NOTED OTHERWISE.
4. AWI "CUSTOM" GRADE EXCEPT AS OTHERWISE NOTED OR DIRECTED BY THE OWNER, SHALL BE THE BASE STANDARD OF QUALITY REQ'D FOR THIS WORK.
5. MILLWORK SUB-CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER, THE FOLLOWING ITEMS, PRIOR TO FABRICATING ANY MAT'LS OR MILLWORK: COMPLETE SET OF SHOP DRAWINGS, SAMPLES OF WD. SPECIES RECEIVING TRANSPARENT FINISH, MFR'S LITERATURE FOR ALL SPECIALTY ITEMS NOT MFD. BY THE ARCHITECTURAL WOODWORK FIRM AND HARDWARE SCHEDULE, SHOWING HARDWARE USED AT EA. LOCATION & CONFORMANCE W/ THE DESIGN INTENT OF THE DRAWINGS OR DIRECTIVES ISSUED BY THE OWNER.
6. PRODUCTS SHALL INCLUDE THE FOLLOWING:
   SOFTWOOD - SOLID STOCK PINE, C OR BETTER
   HARDWOOD - SPECIES AS SELECTED BY OWNER
   PLYWOOD, OPAQUE FINISH - FIR, GRADE A/B
   PLYWOOD, TRANSPARENT FINISH - SPECIES AS SELECTED BY OWNER
   PARTICLE BOARD - HIGH DENSITY, W/ RESIN BINDER
   LAM. PLASTIC - MFG, COLORS, PATTERNS & TEXTURES AS SELECTED BY OWNER
   LAMINATING ADHESIVES - POLYVINYL ACETATE, UREA-FORMALDEHYDE, CASEIN
7. ASSEMBLE WORK AT MILL & DELIVER TO JOB SITE READY TO INSTALL INSOFAR AS POSSIBLE.
8. PROTECT MILLWORK FROM MOISTURE & DAMAGE WHILE IN TRANSIT TO THE JOB SITE. UNLOAD AND STORE IN A PLACE WHERE IT WILL BE PROTECTED FROM MOISTURE AND DAMAGE AND BE CONVENIENT FOR INSTALLATION.
9. FABRICATE WORK IN ACCORDANCE WITH MEASUREMENTS TAKEN AT THE JOB SITE.
10. INSTALL HARDWARE IN ACCORDANCE WITH MANUFR'S DIRECTIONS. LEAVE OPERATING HARDWARE OPERATING SMOOTHLY & QUIETLY.
11. DAMAGED SURFACES SHALL BE REPAIRED TO MATCH UNDAMAGED ADJACENT PORTION OF THE WORK.

NOTE!
CABINETS, COUNTERS, SHELVES AND THE LIKE, SHOWN ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF QUALITY AS OUTLINED IN THE NOTES TITLED "GENERAL MILLWORK NOTES", AND SHALL INCLUDE SUCH FEATURES, HARDWARE AND FINISHES AS DIRECTED BY THE OWNER. THE PLAN VIEWS INDICATED ARE FOR GENERAL LOCATION AND EXTENT OF THE WORK - UNLESS DETAILED CABINET PLANS ARE INCLUDED WITH THIS PLANS PACKAGE ALL OTHER PHYSICAL CHARACTERISTICS SHALL BE AS DIRECTED BY THE OWNER.

REVISION:
02 SEP 2020

DRAWN:
MPB

ASSISTED LIVING FACILITY for
GRANDE CYPRESS
LAKE CITY, COLUMBIA COUNTY, FLORIDA
MILLWORK DETAILS

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
CORPORATION
NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-365-4355

DATE:
18 AUG 2020

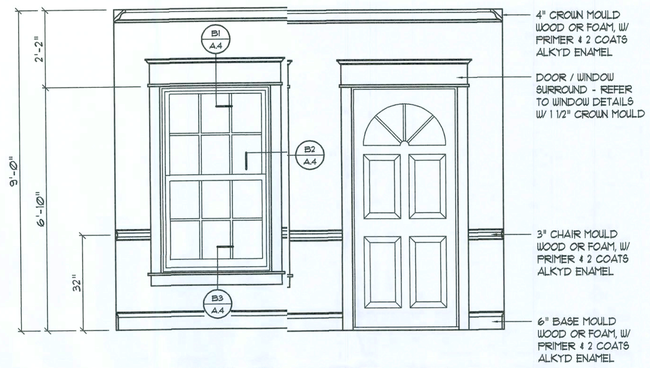
COMM:
2K2040

SHEET:
A.9
6 of 7

Digitally signed by N. P. GEISLER
DN: CN = N. P. GEISLER C = US
O = AR0007005.qid / ARCHITECT
Date: 2020.08.06 09:03:31 -05'00'

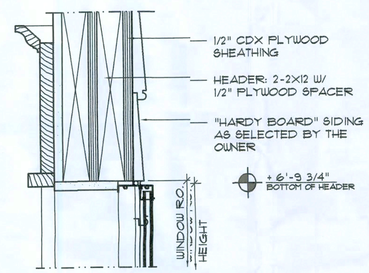
AR0007005

FIELD "AS-BUILT" NOTES:

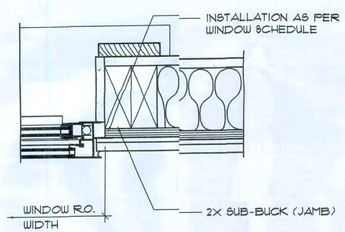


Int. Wall Trim DETAIL (A)

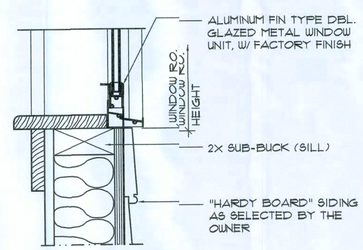
SCALE: 1/2" = 1'-0"



HEAD DETAIL WOOD SASH (1)



JAMB DETAIL WOOD SASH (2)



SILL DETAIL WOOD SASH (3)

Typical Window DET'S (B)

SCALE: 3" = 1'-0"

STOREFRONT GLASS & GLAZING:

1. REFER TO PLANS, AND DETAILS AND FOR SIZE, AND TYPE.

2. MATERIALS: ALL GLASS AND GLAZING SHALL BE IN ACCORDANCE WITH THE STANDARDS AND RECOMMENDATIONS OF THE CURRENT EDITION OF THE GLAZING MANUAL OF THE FLAT GLASS JOBBERS ASSOCIATION.

4. EACH PIECE OF GLASS SHALL BE LABELED, NOTING THE NAME OF THE MANUFACTURER, GRADE, QUALITY AND TYPE. LABELS SHALL BE INTACT BEFORE AND AFTER INSTALLATION.

3. EXTERIOR GLASS SHALL BE 1/2" CLEAR, FULLY TEMPERED WITH BUTT GLAZED JOINTS, JOINT NOT TO EXCEED 3/8" GAP NOR LESS THAN 1/4". SEAL JOINTS WITH COMMERCIAL GRADE NEUTRAL CURE, CLEAR SILICONE. ACID CURE SILICONE WILL NOT BE ACCEPTED. APPLICATION SHALL BE TAPE AND TOOL.

4. MIRRORS SHALL BE "A" QUALITY 1/4" THICK POLISHED PLATE WITH FULL STAINLESS OR ALUMINUM FRAME AND CONCEALED FASTENERS.

5. STOREFRONT SHALL BE EQUAL TO YKK AP AMERICA, INC. 7600 CURRENCY DR., ORLANDO, FL. 32807, OTHER APPROVED MFG'RS ARE KAWNEER CO. AND VISTAWALL ARCHITECTURAL

6. ALL ALUMINUM STOREFRONT FRAMING AND DETAILS INDICATED ON THE DRAWINGS AND/OR DETAILS, SHALL BE EQUAL TO VISTAWALL SERIES 2000. THE FRAMING SHALL BE ACCURATELY ASSEMBLED WITH UNEXPOSED FASTENERS UTILIZING EXTRUDED SPLINES, CLIPS AND/OR SNAP-IN FEATURES. ALL GLAZING SHALL BE HELD IN PLACE BY E.P.D.M. GLAZING GASKETS. NO APPLIED STOPS SHALL BE PERMITTED. ALL EXPOSED SURFACES SHALL BE FREE OF UNSIGHTLY SCRATCHES AND BLEMISHES. THE FINISH SHALL BE ANODIZED ALUMINUM. COLOR: DK. BRONZE IN ACCORDANCE W/ AA-M12C22A42/A44

7. FINISH OF ALL SILL FLASHING SHALL BE .040" ALUMINUM TO MATCH STOREFRONT MATERIAL.

8. DOOR FRAMES FOR ENTRANCE DOORS SHALL BE ALUMINUM STOREFRONT FRAME WITH CUT OUTS AND BACKING PLATES FOR (3) BUTT HINGES FOR EACH DOOR LEAF. LOCATION OF HINGES TO BE COORDINATED BY GENERAL CONTRACTOR WITH STOREFRONT SUBCONTRACTOR.

9. ALL DOOR AND FRAMING SECTIONS SHALL BE EXTRUDED ALUMINUM ALLOY AND TEMPERED TO MEET OR EXCEED FINISHING AND STRUCTURAL CRITERIA. DOOR STILES AND RAILS, EXCLUDING GLASS STOPS, SHALL BE TUBULAR AND HAVE .125" WALL THICKNESS. ALL WEATHERING SHALL BE HARDBACKED SILICONE TREATED POLYPROPYLENE. ANY EXPOSED FASTENERS SHALL BE ALUMINUM, STAINLESS STEEL, OR OTHER NON-CORROSIVE MATERIAL. DOOR VERTICAL STYLES SHALL BE NOMINAL 4-1/4", BE A MINIMUM OF 8-1/2". ALL DIMENSIONS NOTED ABOVE ARE WITH GLASS STOPS ON.

10. ALL EXPOSED SURFACES SHALL BE FREE OF UNSIGHTLY SCRATCHES AND BLEMISHES. THE FINISH SHALL BE ANODIZED, AS PER VISTAWALL ARCHITECTURAL PRODUCTS STANDARD.

11. DOOR STILES AND RAILS SHALL BE ACCURATELY JOINED AT CORNERS WITH CONCELAED REINFORCEMENT BRACKETS SECURED WITH BOLTS AND SCREWS, AND SHALL BE "MIG" WELDED. DOORS SHALL HAVE SNAP-IN STOPS WITH BULB GLAZING VINYL ON BOTH SIDES OF GLASS. NO EXPOSED SCREWS SHALL BE PERMITTED. EACH DOOR LEAF SHALL BE EQUIPPED WITH AND ADJUSTING MECHANISM LOCATED IN THE TOP RAIL NEAR THE LOCK STILE, WHICH PROVIDES FOR MINOR CLEARANCE ADJUSTMENTS AFTER INSTALLATION. WEATHERING SHALL BE INSTALLED IN THE HINGE STILE OF PAIR OF DOORS. DOOR FRAME AND SIDELIGHT FRAMING SHALL BE ACCURATELY JOINED AT CORNERS WITH CONCEALED SCREWS.

12. DESIGN CRITERIA FOR WIND LOADS SHALL BE IN ACCORDANCE WITH ASCE-7-10 DESIGN WITH WIND VELOCITY OF 130 M.P.H., BUILDING IMPORTANCE FACTOR OF 1.0

13. ALL HARDWARE FOR ENTRANCE DOORS, WITH THE EXCEPTION OF THE CYLINDERS, SHALL BE FURNISHED AND INSTALLED BY ALUMINUM STOREFRONT CONTRACTOR AS FOLLOWS:

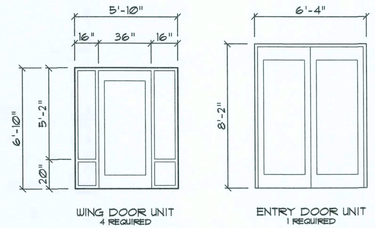
A. 1-1/2 PAIR OF 4-1/2" BUTTS
B. ADAMS-RITE 8400 SERIES MORTISE EXIT DEVICE
C. LCN SUPER SMOOTHEE MOUNTED PARALLEL ARM WITH DROP PLATE
D. BUG SWEEP WITH SLIDE ON COVER
E. MANUFACTURER'S STANDARD WEATHERSTRIPPING
F. PH - 11 FULL HANDLE ON EXTERIOR
G. ALL HARDWARE SHALL BE FINISHED AS SELECTED BY THE OWNER.

14. ALL ITEMS SHALL BE SET IN THEIR CORRECT LOCATIONS AS SHOWN ON THE DRAWINGS AND SHALL BE LEVEL, SQUAREM PLUMB, AND AT PROPER ELEVATION AND IN ALIGNMENT WITH OTHER WORK. THIS CONTRACTOR SHALL DO ALL CAULKING AND SEALING ASSOCIATED WITH THIS WORK.

15. SEAL ALL JOINTS. FRAMING MEMBERS SHALL BE SCREWED IN PLACE USING BACKING, ANCHOR PLUGS, OR STRAPS AS REQUIRED. WHERE MOLDINGS ARE JOINED, THEY SHALL BE ACCURATELY CUT AND FITTED TO RESULT IN A TIGHTLY CLOSED HAIRLINE JOINT. NO UNFINISHED ALUMINUM SHALL BE VISIBLE.

16. DOORS SHALL OPERATE FREELY AND SHALL NOT RATTLE WHEN CLOSED. SWING TYPE DOORS SHALL HAVE HEAD AND JAMB CLEARANCE OF 3/32" PLUS OR MINUS 1/32".

17. AFTER ERECTION, THE CONTRACTOR SHALL PROTECT EXPOSED PORTIONS FROM DAMAGE BY MACHINES, PLASTER, LIME, PAINT, ACID, CEMENT, OR OTHER HARMFUL COMPOUNDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF PROTECTIVE MATERIALS AND CLEANING PER STOREFRONT FRAMING MANUFACTURER'S PRINTED INSTRUCTIONS.



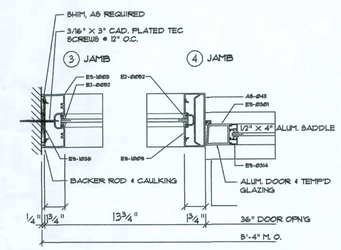
WING DOOR UNIT
4 REQUIRED

ENTRY DOOR UNIT
1 REQUIRED

TEMPERED GLASS NOTES:

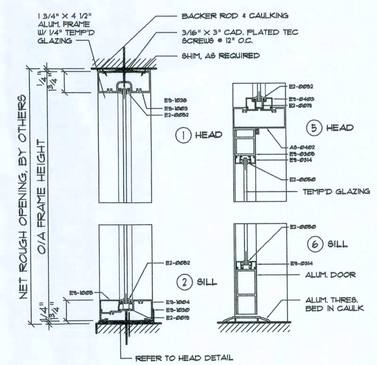
THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF GLAZING:

1. GLAZING IN SWINGING DOORS AND FIXED AND SLIDING PANELS OF SLIDING (PATIO) DOOR ASSEMBLIES.
2. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH (610 MM) RADIUS OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES (1524 MM) ABOVE THE FLOOR OR WALKING SURFACE. EXCEPTION: GLAZING IN WALLS PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION IN GROUP R3 OR WITHIN DWELLING UNITS IN GROUP R2 SHALL BE SUBJECT TO 2004 FBC 2406.2.(4).
3. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEM 2 ABOVE, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
   3.1 EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ FT (0.84 M^2)
   3.2 BOTTOM EDGE LESS THAN 18 INCHES (457 MM) ABOVE THE FLOOR.
   3.3 TOP EDGE GREATER THAN 36 INCHES (914 MM) ABOVE THE FLOOR.
   3.4 ONE OR MORE WALKING SURFACES WITHIN 36 INCHES (914 MM) HORIZONTALLY OF THE PLANE OF THE GLAZING.



Typical Horizontal SEC.

SCALE: 2" = 1'-0"



Typical Vertical SEC.

SCALE: 2" = 1'-0"

Storefront Door DET'S (A)

SCALE : VARIOUS

FIELD MEASUREMENTS:
FEILD VERIFY ALL OVERALL FRAME SIZES PRIOR TO METALS FABRACATION

Digitally signed by N. P. GEISLER
DN: C=US, E=NPG@NPGARCHITECT.COM, O=, A=BOOOTOOS, OU=ARCHITECT
Date: 2020.08.18 09:04:06 -05'00'

REVISION:
02 SEP 2020

DRAWN:
MPB

ASSISTED LIVING FACILITY for
GRANDE CYPRESS
LAKE CITY, COLUMBIA COUNTY, FLORIDA
WINDOW-STOREFRONT DETAILS

Celebrating 48 Years of Service
1972 - 2020
N.P. GEISLER ARCHITECT
AR0007005

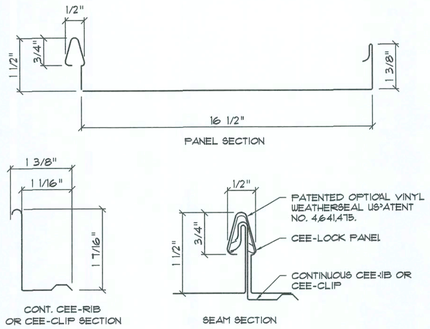
NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. CERTIFIED
1758 NW Brown Rd.
Lake City, FL 32055
(386) 752-1635

DATE:
18 AUG 2020

COMM:
2K2040

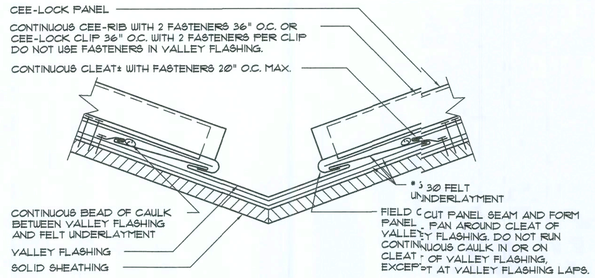
SHEET:
A.10
10 OF 11

AR0007005



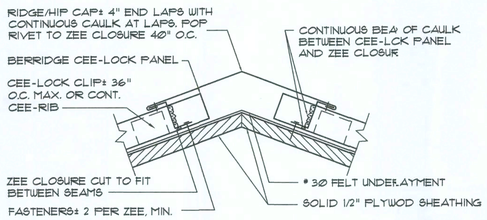
PANEL DETAIL

SCALE: NONE



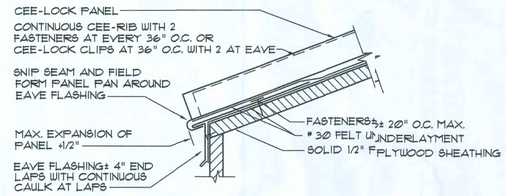
VALLEY DETAIL

SCALE: NONE



RIDGE/HIP DETAIL

SCALE: NONE

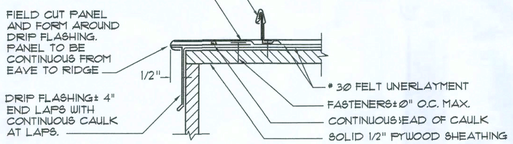


EAVE DETAIL

SCALE: NONE

NOTE: ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, SHALL BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER.

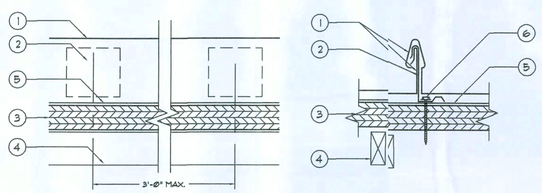
ALL ARCHITECTURAL PANELS ARE 24 GAUGE METAL, TAKE CARE IN HANDLING AND INSTALLATION TO AVOID DAMAGING OR DEFORMING THE PANELS.



NOTE: FIELD CUT AND FORM LAST PANEL AROUND DRIP FLASHING. PANEL MUST BE CONTINUOUS FROM RIDGE TO EAVE.

GABLE DETAIL / PANEL TURNDOWN

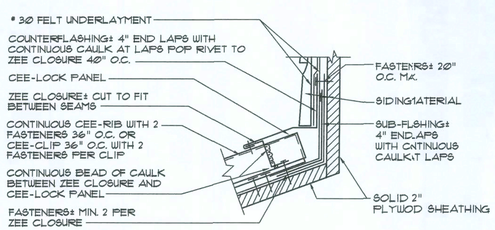
SCALE: NONE



1. CEE-LOCK PANEL # NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) THICKNESS COATED STEEL, 16 1/2 IN. WIDE 1 1/2 IN. HIGH. PANEL ((NON-STRUCTURAL VINYL WEATHER SEAL OPTIONAL IN SEAM) CONTINUOUS OVER TWO OR MORE SPANS WITHOUT LAPS.
2. CEE-CLIP (PANEL CLIP) - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) COATED STEEL CEE-CLIP LOCATED AT EACH PANEL SIDE LAPS BEING PLACED AT 3'-0" O.C. MAXIMUM.
3. DECK - 5/8" APA 40/20 PLYWOOD.
4. JOIST - 2" X 4" AT 2'-0" O.C. MAXIMUM WITH #12 X 2" PAN HEAD) WOOD SCREW AT 12" O.C. MAX. AT PLYWOOD TO JOIST CONNECTION AND AT PLYWOOD ENDS.
5. # 30 FELT UNDERLAYMENT.
6. FASTENERS (SCREWS) - FOR ATTACHING "CEE-CLIP" (ITEM TWO) TO DECK USE NO. 10 PANCAKE HEAD TEKS STEEL SCREWS, TWO FASTENER PER "CEE-CLIP".

CLIP FASTENER DETAIL

SCALE: NONE



NOTE: FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL SEAMS.

FLASHING DETAIL

SCALE: NONE

THE STANDING SEAM METAL ROOF SYSTEM SHALL COMPLY WITH 'BERRIDGE MANUFACTURING COMPANY' SPECIFICATIONS & DETAILS AS SHOWN ON THIS DRAWING, OR AN APPROVED PRODUCT OF EQUAL DESIGN.

BERRIDGE MANUFACTURING COMPANY
1720 MAURY STREET
HOUSTON, TX 77026
1-800-237-8127
http://www.berridge.com

METAL ROOFING INSTALLATION NOTES

1. DOUBLE LAYER OF NUMBER THIRTY FELT UNDERLAYMENT OR EQUAL AND THE CEE-LOCK OPTIONAL VINYL WEATHERSEAL (US PATENT NO. 4,641,475) ARE RECOMMENDED FOR ALL APPLICATIONS WHERE THE ROOF SLOPE IS 3 ON 12 OR LESS.

2. STRIPPABLE FILM: THE STRIPPABLE PLASTIC FILM WHICH IS APPLIED OVER MOST BERRIDGE PREFINISHED PRODUCTS, PANELS, FLASHINGS, COILS, AND FLAT SHEETS PROVIDES PROTECTION OF THE FINISH DURING FABRICATION AND TRANSIT. THIS FILM MUST BE REMOVED PRIOR TO INSTALLATION.

3. SOLID SHEATHING REQUIREMENTS: 5/8" PLYWOOD SHEATHING SHALL BE USED TO PROVIDE SUFFICIENT HOLDING POWER FOR FASTENERS.

4. SHEATHING INSPECTION:
   - A. SHEATHING END JOINTS SHOULD BE STAGGERED.
   - B. ALL END JOINTS SHOULD MEET AT EITHER A JOIST OR RAFTER.
   - C. BLOCKING OR "H" CLIPS SHOULD BE USED IF JOISTS DO NOT REMAIN FLAT UNDER THE WEIGHT OF WORKMEN.
   - D. USE SHIMS TO KEEP ENTIRE SUBSTRATE EVEN. UNEVEN SUBSTRATE WILL RESULT IN "OIL-CANNING" IN PANELS. SUBSTRATE SHOULD BE LEVEL TO 1/4" IN 20'-0".
   - E. ALL CUTS AT PENETRATIONS SHOULD BE TIGHT, WITHOUT GAPS.
   - F. USE WOOD-FRAMED CRICKETS AT LARGE PENETRATIONS.
   - G. MAKE SURE SUBSTRATE JOINTS ARE TIGHT AT ALL HIPS, VALLEYS, AND RIDGES.

5. FASCIA/RAKE INSPECTION:
   - A. STRIKE A LINE THE FULL LENGTH OF THE FASCIA OR RAKE. IF NOT STRAIGHT, CORRECT WITH SHIMS.
   - B. MAKE SURE FASCIA/RAKE IS FLUSH WITH SHEATHING.

6. FELT UNDERLAYMENT: A MINIMUM SINGLE LAYER OF # 30 FELT UNDERLAYMENT (OR EQUAL) MUST BE APPLIED OVER SOLID SHEATHING AS SHOWN IN THE BERRIDGE MANUFACTURING COMPANY TYPICAL FELTING DETAILS. THE USE OF ADDITIONAL LAYERS OF # 30 FELT IS RECOMMENDED ON LOW-SLOPED ROOFS, AT ALL VALLEY CONDITIONS, AT ROOF PENETRATIONS, AND CERTAIN OTHER FLASHING CONDITIONS AS DEPICTED IN THE CEE-LOCK PANEL TYPICAL DETAILS. (THE UNDERLAYMENT MUST COVER THE ENTIRE ROOF DECKED SURFACE).

7. FELTING INSTALLATION:
   - A. DO NOT USE RED ROSIN PAPER UNDER METAL ROOFING PANELS.
   - B. SWEEP ROOF AREA CLEAN.
   - C. USE FLAT HEAD GALVANIZED ROOFING NAILS x 1 1/4" LONG WITH BERRIDGE GALVANIZED FELT CAPS.
   - D. INSTALL VALLEY FELT FIRST.
   - E. INSTALL FELT PARALLEL TO EAVE (2 LAYERS REQUIRED AT EAVE), STARTING AT EAVE AND USING MINIMUM 6" LAPS. USE TWO LAYERS OF FELT ON ENTIRE ROOF DECK IF ROOF SLOPE IS 3 ON 12 OR LESS. 2 LAYERS OF FELT REQUIRED AT EAVE REGARDLESS OF SLOPE.

8. FLASHING: IF BERRIDGE MANUFACTURING COMPANY IS TO SUPPLY FLASHINGS, ALL FLASHINGS WILL BE FABRICATED IN 10'-0" LENGTHS WITH SQUARE END CUTS ONLY. THE PURCHASER MUST PROVIDE ALL DIMENSIONS AND DEGREE OF ANGLES.

9. FLASHING INSTALLATION:
   - A. REMOVE STRIPPABLE PLASTIC FILM FROM ALL FLASHINGS PRIOR TO INSTALLATION.
   - B. ALWAYS STAGGER JOINTS WHEN ONE FLASHING IS INSTALLED OVER OTHER FLASHING.
   - C. INSTALL ALL FLASHINGS AS PER BERRIDGE TYPICAL DETAILS.
   - D. ALL FLASHINGS ARE TO BE DESIGNED AND INSTALLED TO NOT TRAP WATER.

10. PANEL INSTALLATION:
   - A. REMOVE STRIPPABLE PLASTIC FILM FROM EACH PANEL PRIOR TO INSTALLATION.
   - B. START PANEL INSTALLATION AT ON GABLE END OF THE ROOF, WORKING TOWARD THE OTHER GABLE END. MAKE SURE PANELS ARE PERPENDICULAR TO THE EAVE. AT VALLEY AREAS, MAKE SURE PANELS ARE INSTALLED SO THAT DRAINAGE HAS FREE FLOW AND IS NOT OBSTRUCTED BY PANEL SEAMS.
   - C. BEGIN BY INSTALLING J-CLIP AND/OR DRIP FLASHING AT GABLE THEN PLACING FIRST CEE-LOCK CONTINUOUS LENGTH PANEL.
   - D. INSTALL CEE-LOCK CLIPS OR CONTINUOUS CEE-RIB AS PER BERRIDGE TYPICAL DETAILS AND CEE-LOCK CONTINUOUS RIB/CLIP INSTALLATION NOTES.
   - E. IF OPTIONAL VINYL WEATHERSEAL (US PATENT 4,641,475) IS TO BE USED, THIS WILL BE EITHER FACTORY INSTALLED OR INSTALLED IN THE FIELD AS THE CEE-LOCK PANEL EXITS FROM THE CL-21 PORTABLE ROLL FORMER.
   - F. INSTALL PANELS BY PLACING THE FEMALE LEG OVER THE MALE LEG AND CONTINUOUS CEE-RIB OR CLIP AND SNAPPING THE INTEGRAL SEAM INTO PLACE WITH HAND PRESSURE. DO NOT USE EXCESSIVE FORCE, FOOT PRESSURE OR OTHER TOOLS SUCH AS MALLETS AS THIS WILL SCRATCH OR DENT THE PANEL RIB AND CAUSE DEFORMATION TO THE VINYL WEATHERSEAL.
   - G. EACH PANEL IS TO BE KEPT TIGHT AGAINST THE LEG OF THE ADJOINING PANEL. NEVER PERMIT A GAP BETWEEN VERTICAL LEGS.
   - H. KEEP PANELS ALIGNED SO THAT SEAMS MATCH AT HIPS, VALLEYS AND WHERE VERTICAL PANELS ADJOIN ROOF PANELS. DO NOT INSTALL LONG CONTINUOUS RUNS OF PANELS ALL AT ONE TIME WHERE SEAM LINES MUST MATCH. INSTALL TEN OR TWELVE PANELS IN ONE ELEVATION AND THEN FOLLOW WITH A LIKE NUMBER OF PANELS ON THE OTHER ELEVATION. WHEN YOU INSTALL PANELS IN THIS MANNER, YOU WILL BE ABLE TO MAKE ANY ADJUSTMENTS REQUIRED TO INSURE SEAM MATCHING.
   - J. COPPER-COTE, CHAMPAGNE, LEAD-COTE, AND PREWEATHER GALVALUME PANEL INSTALLATION: NOTE THE SERIES OF ARROWS PAINTED ON THE UNDERSIDE OF THE PANEL. ALL PANELS MUST BE INSTALLED IN CONSISTENT MANNER, MEANING THAT THE ARROWS ON EVERY PANEL ARE ALL POINTING IN THE SAME DIRECTION. IF A PANEL IS REVERSED (ARROWS POINTING OPPOSITE OF THOSE ON OTHER PANELS) IT WILL APPEAR, FROM A DISTANCE, A DIFFERENT SHADE DUE TO THE GRANULAR OF THE PIGMENTS IN THE FINISH. METALLIC FINISHES ARE MATCH - LOT FINISHES. DO NOT MIX LOTS.

11. CEE-LOCK CLIP INSTALLATION:
   - A. INSTALL CLIPS AT PER BERRIDGE TYPICAL CEE-LOCK PANEL DETAILS.
   - B. CLIP SPACING ON SOLID SHEATHING TYPICALLY 36" ON CENTER.

12. FASTENERS:
   FLATED FASTENERS WHEN FASTENING TO WOOD. MAKE SURE ALL FASTENERS ARE DRIVEN STRAIGHT AND SET FLAT. DO NOT OVERDRIVE FASTENERS AS THIS WILL CAUSE THE CLIP AND/OR FLASHINGS TO BUCKLE OR BECOME RECESSED BELOW THE ELEVATION OF THE SUBSTRATE.

13. SEALANT RECOMMENDATIONS: TREMCO, INC. SPECTREM 1 SILICONE SEALANT. DO NOT USE CLEAR CAULK.

THESE INSTALLATION INSTRUCTIONS AND THE FOLLOWING TYPICAL DETAILS ARE INTENDED TO PROVIDE OUR CUSTOMERS WITH THE INFORMATION REQUIRED FOR AN AESTHETICALLY PLEASING AND FUNCTIONAL INSTALLATION OF THE BERRIDGE CEE-LOCK STANDING SEAM ROOF PANEL SYSTEM.

Digitally signed by N.P. GEISLER
DN: cn=N.P. GEISLER c=US
E=n.p.geisler@gmail.com, o=ARCHITECT
Date: 2020.08.19 09:04:55 -05'00'

REVISION:

DRAWN: RPB

ASSISTED LIVING FACILITY for
GRANDE CYPRESS
LAKE CITY, COLUMBIA COUNTY, FLORIDA
METAL ROOFING DETAILS

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-365-4355

DATE: 18 AUG 2020

COMM: 2K2040

SHEET A.11

1 OF 11

AR0007005

FLORIDA BUILDING CODE
Compliance Summary

TYPE OF CONSTRUCTION
Roof: Hip / Gable Construction, Wood Trusses @ 24" O.C.
Walls: 2x6 Wood Studs @ 16" O.C.
Floor: 4" Thk. Concrete Slab W/ Fibermesh Concrete Additive
Foundation: Continuous Monolithic Slab/Footer

ROOF DECKING
Material: 1/2" CD Plywood or 7/16" O.S.B.
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing
Fasteners: 8d Ring Shank Nails per schedule on sheet S.5

SHEARWALLS
Material: 7/16" O.S.B. "WindSTORM", 48" X 97", 109", 121" OR 145"
Sheet Size: 48"x97" (109", 121" OR 145") Sheets Placed Vertical
Fasteners: 8d Ring Shank Nails @ 4" O.C. Edges & 8" O.C. Interior
Dragstrut: Double Top Plate (S.Y.P.) W/2 - 16d Nails @ 12" O.C.
Wall Studs: 2x6 SPF Studs @ 16" O.C.

HURRICANE UPLIFT CONNECTORS
Truss Anchors: Simpson H2.5a @ Ea. Truss End (Typ. U.O.N)
Wall Tension: Wall Sheathing Nailing Is Adequate - 8d @ 4" O.C. Top & Bot.
Anchor Bolts: 1/2" A307 @ 48" O.C. - 1st Bolt 8" from corner
Corner Hold-down Device: Simpson HD2A, ea. corner

FOOTINGS AND FOUNDATIONS
Footing: 16"X18" Cont. Mono W/2-#5 Cont. & wire chairs @ 48" O.C.

BUILDING COMPONENTS & CLADDING LOADS
MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"
ROOF ANGLE 7° TO 27°

45° 27° 7° 0°

	ZONE	AREA	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH
ROOF 7° TO 27°	1	10	12.0 / -13.9	14.9 / -23.7	17.5 / -27.8	20.3 / -32.3
	1	20	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.5 / -31.4
	1	50	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
	2	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2
	2	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6	18.5 / -51.7
	2	50	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.7
	3	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6	20.3 / -83.1
	3	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0	18.5 / -77.7
	3	50	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5
WALL	4	10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2
	4	20	20.8 / -22.6	24.7 / -26.9	29.0 / -31.6	33.7 / -36.7
	4	50	19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6
	5	10	21.8 / -29.1	25.9 / -34.7	30.4 / -40.7	35.3 / -47.2
	5	20	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0
	5	50	19.5 / -24.6	23.2 / -29.3	27.2 / -34.3	31.6 / -39.8

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING

BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	1.00	1.21	1.47
20	1.00	1.29	1.55
25	1.00	1.35	1.61
30	1.00	1.40	1.66

STRUCTURAL DESIGN CRITERIA:

1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2011 FLORIDA BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.

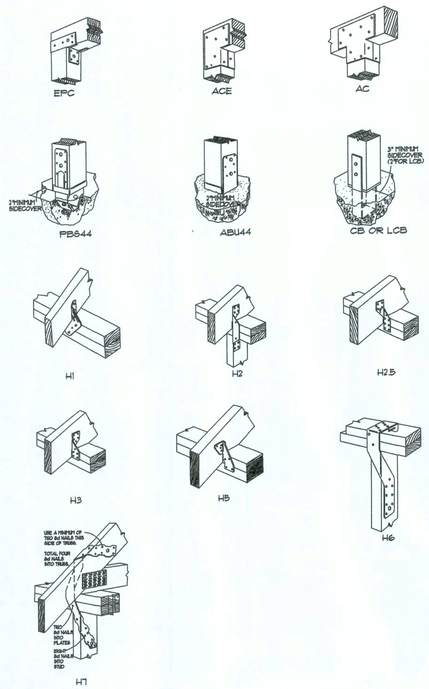
2. WIND LOAD CRITERIA: RISK CATAGORY: 2, EXPOSURE "C"

BASED ON ANSI/ASCE 7-10. 2011 FBC 1609-A WIND VELOCITY: V_{ULT}= 130 MPH
V_{ASD}= 103 MPH

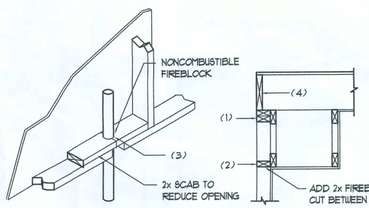
3. ROOF DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: ..... 20 PSF
SUPERIMPOSED LIVE LOADS: ..... 20 PSF

4. FLOOR DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: ..... 25 PSF
SUPERIMPOSED LIVE LOADS:
RESIDENTIAL ..... 40 PSF
BALCONIES ..... 60 PSF

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS



Typical "Simpson" CONNECTORS
SCALE: NONE
A



PENETRATIONS — SOFFIT/DROPPED CLG.

FIREBLOCKING NOTES:

FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.

2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.

3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"

4. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

Fire Stopping DETAILS
SCALE: NONE
B

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

1. A PERMANENT SIGN IN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR RENEWAL INSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 1804.2.6

2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING FOUNDATION WALLS. FBC 1503.4.4

3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4

4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6".

EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6

5. INITIAL TREATMENT IT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1

6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BEHIND OR FORMED. FBC 1816.1.2

7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3

8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4

9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5

10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-6.0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6

11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1816.1.6

12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7

13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1816.1.7

14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BRACES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.3.13

15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

STANDARD ABBREVIATIONS

@	AT	GALV.	GALVANIZED
#	NUMBER & or POUND(S)	HORZ.	HORIZONTAL
=	EQUALS	INS.	INSULATION
ϕ	DIAMETER	INT.	INTERIOR
W/	WITH	LAV.	LAVATORY
W/O	WITHOUT	L.V.L.	LAMINATED VENEER LUMBER
℄	CENTERLINE	MAX.	MAXIMUM
&	AND	MIN.	MINIMUM
+/- or ±	PLUS OR MINUS	MISC.	MISCELLANEOUS
'	ONE FOOT	M.O.	MASONRY OPENING
"	ONE INCH	No. or Nr.	NUMBER
1/4" or ¼"	ONE QUARTER INCH	O.C.	ON CENTER
8d	8 PENNY	O/H	OVERHEAD
BM	BEAM	OHD	OVERHEAD DOOR
B.O.	BY OTHERS	PLYWD.	PLYWOOD
BOT.	BOTTOM	P/T	PRESSURE TREATED
CLG.	CEILING	REINF.	REINFORCING (ED)
CO	CLEANOUT	REQ'D	REQUIRED
CONC.	CONCRETE	RM.	ROOM
COTG	CLEANOUT TO GRADE	R.O.	ROUGH OPENING
DBL.	DOUBLE	SF	SQUARE FEET
DIM.	DIMENSION	SGD	SLIDING GLASS DOOR
DN.	DOWN	SHT.	SHEET
ELEV.	ELEVATION	SRLH	SUWANNEE RIVER LOG HOMES
EXT.	EXTERIOR	TYP.	TYPICAL
F	FRENCH (DOORS)	VERT.	VERTICAL
FDN.	FOUNDATION	WC	WATERCLOSET (TOILET)

OPTIONAL SHINGLE ROOFING
General Roofing NOTES:

DECK REQUIREMENTS:
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

SLOPE:
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DBL. UNDERLAYMENT IS REQUIRED.

UNDERLAYMENT:
UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226, TYPE I, OR ASTM D 4869, TYPE I.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:
SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1970.

ASPHALT SHINGLES:
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR ASTM D 3462.

FASTENERS:
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE THE SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

ATTACHMENT:
ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR M-DC PA 107-98.

UNDERLAYMENT APPLICATION:
FOR ROOF SLOPES FROM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:
STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 77 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

VALLEYS:
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED.
1. OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 1507.3.9.2.
2. OPEN VALLEYS: VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
3. CLOSED VALLEYS: VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
I. BOTH TYPES 1 AND 2 ABOVE, COMBINED.
2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE & COMPLYING WITH ASTM D 1970.

NOTE !!!
ROOF SHINGLES SHALL BE OF THE FOLLOWING MANUFACURERS AND MODELS:

TAMKO ROOFING PRODUCTS	GAF MATERIALS CORP.	ELK PREMIUM ROOFING
GLASS-SEAL AR	ROYAL SOVEREIGN	RAISED PROFILE #
ELITE GLASS-SEAL AR	MARQUIS	PRESTIGE HIGH DEFINITION
HERITAGE 30 AR	WEATHERMAX	PRESTIGE 25 #
HERITAGE 40 AR	SLATELINE	PRESTIGE 30 #
HERITAGE 50 AR	GRAND CANYON	PRESTIGE I 35 *
	GRAND SEQUOIA	PRESTIGE I *
TAMKO REQ'D NAILS/SHINGLE = 4	COUNTRY MANSION	PRESTIGE PLUS *
	COUNTRY ESTATES	PRESTIGE GALLERY COLLECTION
	TIMBERLINE 30	CAPSTONE *
	TIMBERLINE SELECT 40	
	TIMBERLINE ULTRA	ELK REQUIRED NAILS/SHINGLE = 4
	SENTINEL	# = 5 NAILS
	GAF REQ'D NAILS/SHINGLE = 4	* = 6 NAILS

THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE I MODIFIED TO 120 MPH WINDS & FBC TAS 100, USING THE SPECIFIED NAILS

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUFR/MODEL	CAP.
TRUSS TO WALL:	SIMPSON H2.5a	535#
GIRDER TRUSS TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	1185#
HEADER TO KING STUD(S):	SIMPSON ST22	1370#
PLATE TO FOUNDATION:	5/8"ϕ THRU-BOLT	3340#
PORCH BEAM TO POST:	SIMPSON PC44/EPC44	1700#
PORCH POST TO FND.:	SIMPSON ABU44	2200#
MISC. JOINTS	SIMPSON A34	315#/240#

NOTE:
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.
NOTE:
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFORCEMENT AND FASTENERS.
NOTE:
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.
NOTE:
"SEMCO" PRODUCT APPROVAL:
MIAMI/DADE COUNTY REPORT #95-0818.15
NOTE:
"SIMPSON" PRODUCT APPROVALS:
MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04
SBCCI NER-443, NER-393

GENERAL NAILING SCHEDULE:

NUMBER OF NAILS FOR CONNECTING WOOD MEMBERS:

CONNECTION	COMMON NAILS	Nr. / SPACING
BRIDGING TO JOIST, TOE NAIL	16d	2 EA. END
2" SUBFLOOR TO JOIST, BLIND & FACE NAILING	16d	2
SOLE PLATE TO JOIST OR BLOCKING FACE NAILED	16d	16" O.C.
TOP OR SOLE PLATE TO STUD END NAILED	16d	2
STUD TO SOLE PLATE, TOE NAILED	8d	3 OR 2 16d
DOUBLE STUDS, FACE NAILED	16d	24" O.C.
DOUBLE TOP PLATES, FACE NAILED	16d	16" O.C.
TOP PLATES - LAPS & INTERSECTIONS FACE NAILED	16d	2
1 X 6 SHEATHING TO EACH POINT OF BEARING, FACE NAILED	8d	2
BUILT-UP CORNER STUDS, FACE NAILED	16d	30" O.C.
BUILT-UP GIRDERS & BEAMS	20d	32" O.C. @ TOP & BOTTOM & STAGGERED - 2 @ EA. END & @ SPLICES
3/4" PLYWOOD SUBFLOORING	8d	6" O.C. @ EDGES 10" O.C. @ INTERMEDIATE
OSB SHEATHING, 7/16" THICK	8d	6" O.C. @ EDGES 10" O.C. @ INTERMEDIATE
1/8" FIBERBOARD SHEATHING	6d	3" O.C. @ EDGES 6" O.C. @ INTERMEDIATE

A. NAILS, BOLTS AND OTHER METAL CONNECTORS WHICH ARE USED IN LOCATIONS EXPOSED TO THE WEATHER SHALL BE GALVANIZED OR OTHERWISE CORROSION RESISTANT.

B. IN GENERAL, NAILS SHALL PENETRATE THE SECOND MEMBER A DISTANCE EQUAL TO THE THICKNESS OF THE MEMBER BEING NAILED THERETO, OR GREATER.

C. THERE SHALL BE NOT LESS THAN 2 NAILS PER CONNECTION.

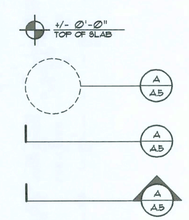
D. GLUING SHALL NOT BE CONSIDERED AN ACCEPTABLE CONNECTOR IN LIEU OF THOSE SPECIFIED HEREIN.

E. FORMED METAL CONNECTORS, AS PER THE SCHEDULE HEREIN, SHALL HAVE THE NUMBER OF NAILS INSTALLED AS REQUIRED BY THE MANUFACTURER, OR AS DIRECTED BY THE PLANS.

F. NAILS PROJECTING BEYOND THE LAST WOOD MEMBER SHALL BE CLINCHED, WHEREVER POSSIBLE.

G. NOTES IN THE "PLANS" PACKAGE OF THE CONSTRUCTION DOCUMENTS SUPERSEDE SIZES & SPACINGS OF NAILS CONTAINED HEREIN.

SYMBOLS
THESE SYMBOLS ARE MOST OFTEN ENCOUNTERED IN THE FOLLOWING DRAWINGS: ELEVATIONS, DIMENSION PLANS, SECTIONS & STRUCTURAL PLANS



TYPE OF ELEVATION MARK USED TO INDICATE A PREFERRED TARGET ELEVATION - TRUE MEASUREMENT.

TYPE OF DETAIL MARK USED TO INDICATE A SECTION OR DETAIL ASSOCIATED WITH A PLAN VIEW

TYPE OF DETAIL MARK USED TO INDICATE A SECTION Ie: SECTION "A" ON SHEET "A5", TAIL INDICATES DIRECTION OF VIEW

TYPE OF SECTION MARK USED TO INDICATE A VIEW TAKEN IN THE DIRECTION OF THE ARROW Ie: SECTION "A" FOUND ON SHEET A5 OF THE CONDOCS

Digitally signed by N. P. GEISLER
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Date: 2020.08.07 09:05:40 -05'00'

REVISION:
02 SEP 2020

DRAWN: MPB

ASSISTED LIVING FACILITY for
GRANDE CYPRESS
LAKE CITY, COLUMBIA COUNTY, FLORIDA
STRUCTURAL INFORMATION

NICHOLAS P. GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-365-4355

DATE: 18 AUG 2020
COMM: 2K2040
SHEET: S.1
1 OF 6

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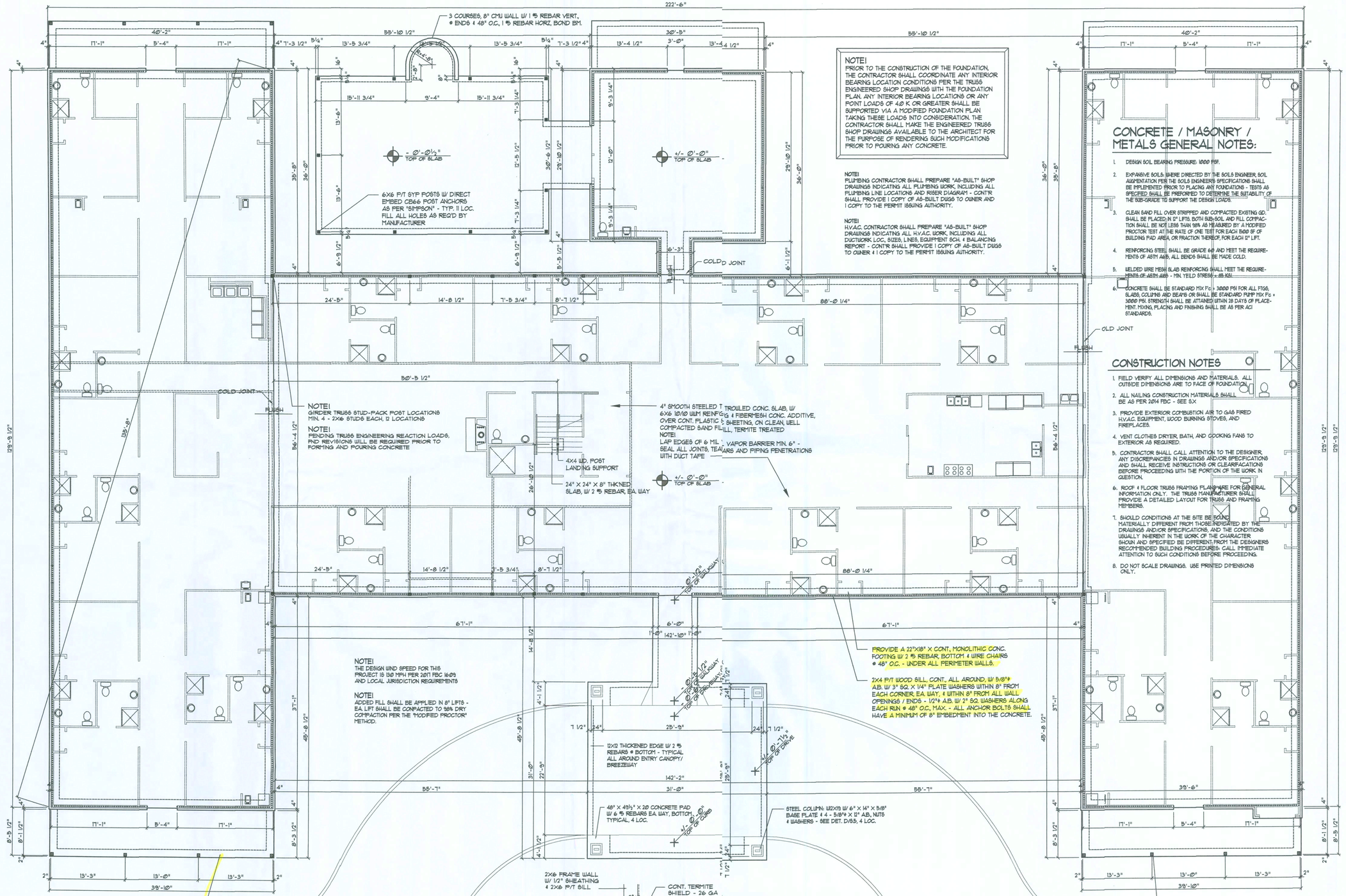

NOTE!
PRIOR TO THE CONSTRUCTION OF THE FOUNDATION, THE CONTRACTOR SHALL COORDINATE ANY INTERIOR BEARING LOCATION CONDITIONS PER THE TRUSS ENGINEERED SHOP DRAWINGS WITH THE FOUNDATION PLAN. ANY INTERIOR BEARING LOCATIONS OR ANY POINT LOADS OF 4.0 K OR GREATER SHALL BE SUPPORTED VIA A MODIFIED FOUNDATION PLAN TAKING THESE LOADS INTO CONSIDERATION. THE CONTRACTOR SHALL MAKE THE ENGINEERED TRUSS SHOP DRAWINGS AVAILABLE TO THE ARCHITECT FOR THE PURPOSE OF RENDERING SUCH MODIFICATIONS PRIOR TO POURING ANY CONCRETE.

NOTE!
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTR. SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE!
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONTR. SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

CONCRETE / MASONRY / METALS GENERAL NOTES:

1. DESIGN SOIL BEARING PRESSURE: 1000 PSF.
2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
3. CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS, BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 2000 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615. ALL BENDS SHALL BE MADE COLD.
5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85,150.
6. CONCRETE SHALL BE STANDARD MIX (F'c = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX (F'c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.

CONSTRUCTION NOTES

1. FIELD VERIFY ALL DIMENSIONS AND MATERIALS. ALL OUTSIDE DIMENSIONS ARE TO FACE OF FOUNDATION.
2. ALL NAILING CONSTRUCTION MATERIALS SHALL BE AS PER 2014 FBC - SEE 5.X
3. PROVIDE EXTERIOR COMBUSTION AIR TO GAS FIRED H.V.A.C. EQUIPMENT, WOOD BURNING STOVES, AND FIREPLACES.
4. VENT CLOTHES DRYER, BATH, AND COOKING FANS TO EXTERIOR AS REQUIRED.
5. CONTRACTOR SHALL CALL ATTENTION TO THE DESIGNER, ANY DISCREPANCIES IN DRAWINGS AND/OR SPECIFICATIONS AND SHALL RECEIVE INSTRUCTIONS OR CLEARIFICATIONS BEFORE PROCEEDING WITH THE PORTION OF THE WORK IN QUESTION.
6. ROOF & FLOOR TRUSS FRAMING PLANS ARE FOR GENERAL INFORMATION ONLY. THE TRUSS MANUFACTURER SHALL PROVIDE A DETAILED LAYOUT FOR TRUSS AND FRAMING MEMBERS.
7. SHOULD CONDITIONS AT THE SITE BE SO MATERIALLY DIFFERENT FROM THOSE INDICATED BY THE DRAWINGS AND/OR SPECIFICATIONS, AND THE CONDITIONS USUALLY INHERENT IN THE WORK OF THE CHARACTER SHOWN AND SPECIFIED BE DIFFERENT FROM THE DESIGNER'S RECOMMENDED BUILDING PROCEDURES: CALL IMMEDIATE ATTENTION TO SUCH CONDITIONS BEFORE PROCEEDING.
8. DO NOT SCALE DRAWINGS. USE PRINTED DIMENSIONS ONLY.

EXTERIOR WALL SHEATHING:
APPLY VERTICALLY, "WINDSTORM" 7/16" OSB 48" X 97", 109", 121" OR 145" SHEATHING. FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 6d RING SHANK NAILS @ 3" O.C. OR 8d RING SHANK NAILS @ 4" O.C. FASTEN TO EACH STUD WITH EITHER 6d RING SHANK NAILS @ 6" O.C. OR 8d RING SHANK NAILS @ 8" O.C.

SHEAR WALL SEGMENTS, SEE S.5 (ALL EXT. WALLS, LESS DOOR OPENINGS)

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

Typ. Monolithic Ftg DET'S (A)
SCALE: 1/2" = 1'-0"

REVISION:
02 SEP 2020

DRAWN:
MPB

ASSISTED LIVING FACILITY for
SMITH - SORENSEN
LAKE CITY, COLUMBIA COUNTY, FLORIDA
FOUNDATION PLAN

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
A0000100

NICHOLAS PAUL GEISLER
ARCHITECT
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1758 NW Brown Rd.
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18 AUG 2020

COMM:
2K2040

SHEET:
S.2
2 OF 6

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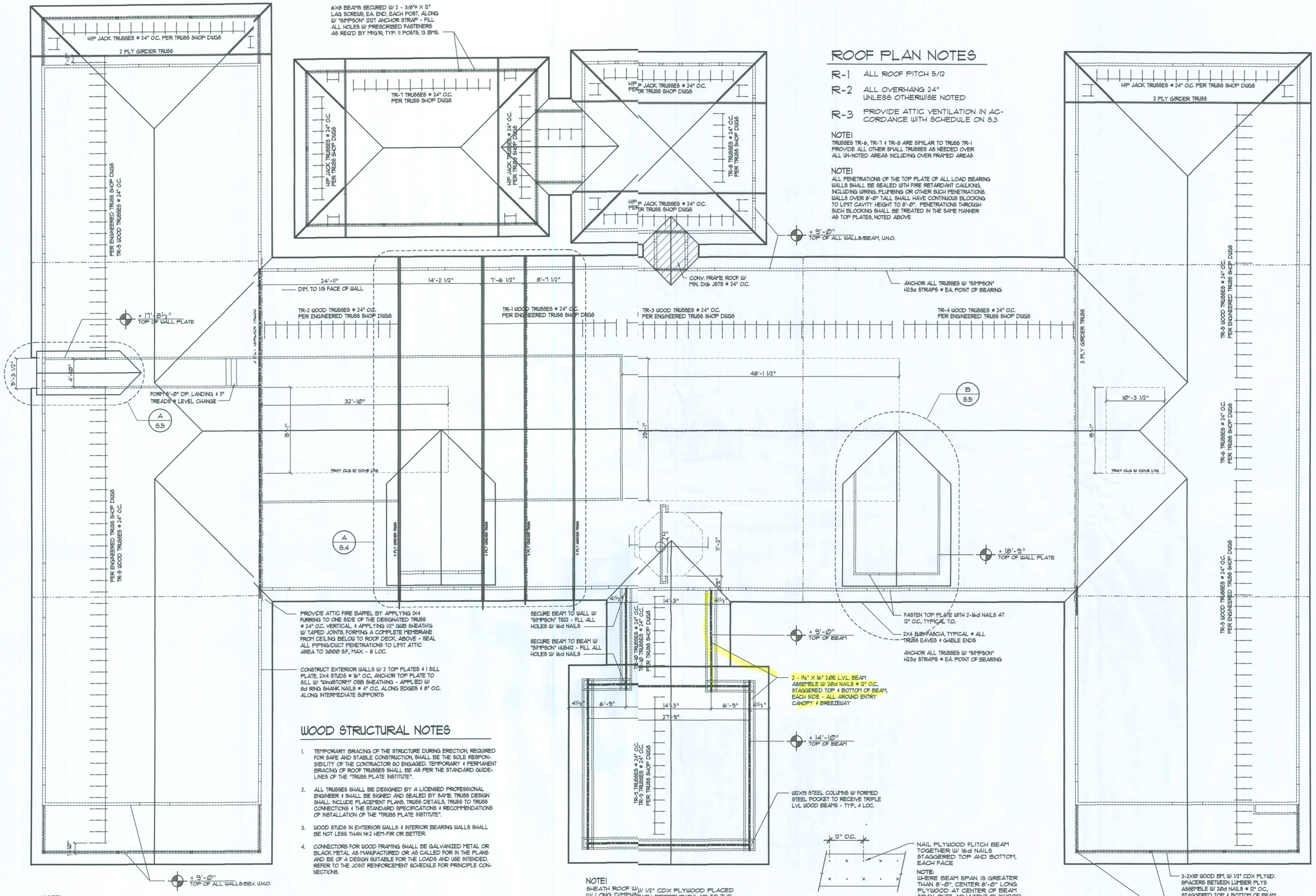

ROOF PLAN NOTES

R-1 ALL ROOF PITCH 5/12

R-2 ALL OVERHANG 24" UNLESS OTHERWISE NOTED

R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON S.3

NOTE!
TRUSSES TR-6, TR-7 & TR-8 ARE SIMILAR TO TRUSS TR-1
PROVIDE ALL OTHER SMALL TRUSSES AS NEEDED OVER ALL UN-NOTED AREAS INCLUDING OVER PRA'ED AREAS

NOTE!
ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALLS SHALL BE SEALED WITH FIRE RETARDANT CAULKING, INCLUDING WIRING, PLUMBING OR OTHER SUCH PENETRATIONS. WALLS OVER 8'-0" TALL SHALL HAVE CONTINUOUS BLOCKING TO LIMIT CAVITY HEIGHT TO 8'-0". PENETRATIONS THROUGH SUCH BLOCKINGS SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

WOOD STRUCTURAL NOTES

1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE "TRUSS PLATE INSTITUTE".
2. ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME. TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
3. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN #2 HEM-FIR OR BETTER.
4. CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.

NOTE!
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2017 FBC 16.09 AND LOCAL JURISDICTION REQUIREMENTS

NOTE!
SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, & SECURE TO FRAMING W/ 8d RS. NAILS - AS PER DETAIL N ON SHEET S.4

NOTE!
REFER TO THE WINDOW/DOOR HEADER SCHEDULE ON SHEET S.4 FOR ALL MINIMUM SIZE HEADERS AND ALTERNATES MINIMUM SIZE ALLOWABLE IS 2-2X10.

ROOF FRAMING PLAN

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

B/U Beam DETAILS

SCALE: NONE

C

REVISION:
01 SEP 2020

DRAWN:
NPG

ASSISTED LIVING FACILITY for
SMITH - SORENSEN
LAKE CITY, COLUMBIA COUNTY, FLORIDA
ROOF PLAN

Celebrating 48 Years of Service
1972 - 2020
NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certificate AR0007005
1758 NW Brown Rd.
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386-365-4253

DATE
18 AUG 2020

COM#:
2K2040

SHEET:
S.3
3 OF 6

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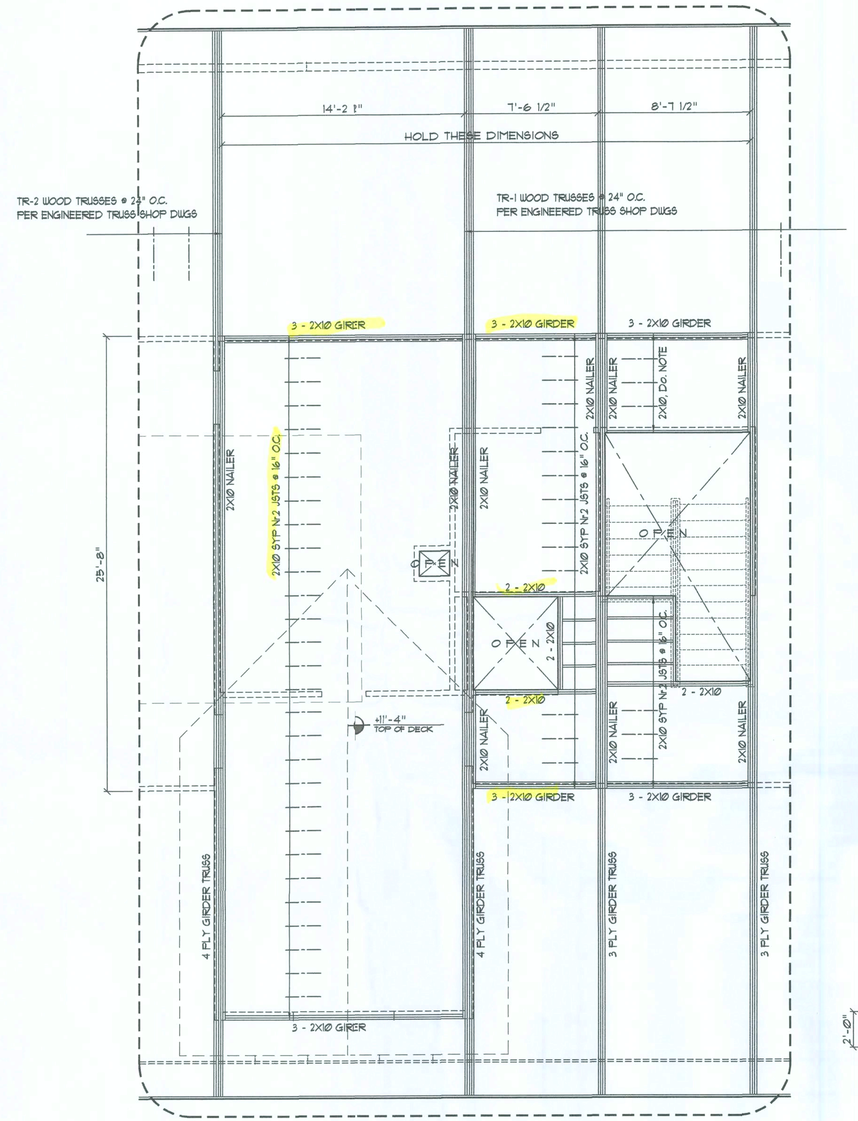
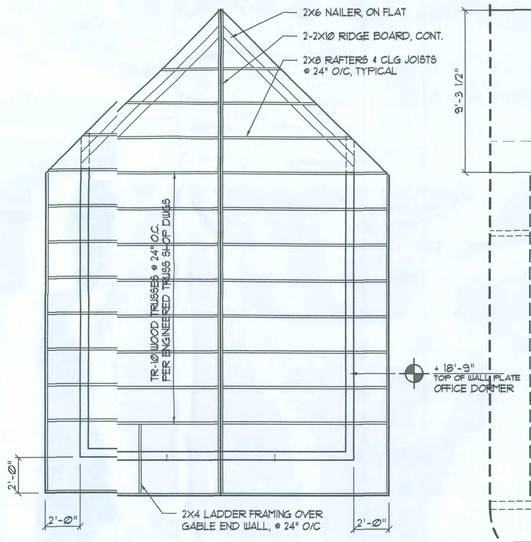


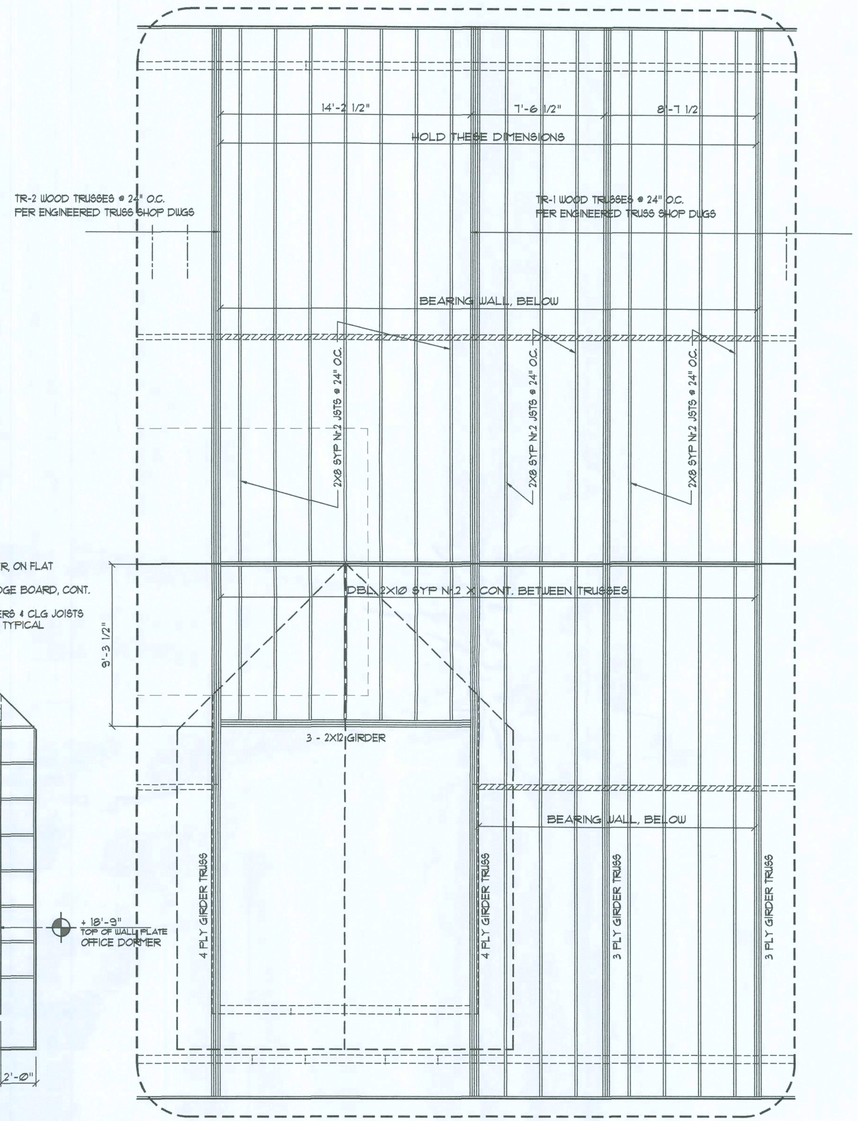
FLOOR FRAMING PLAN (A)

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



Dormer DETAIL (C)

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



ROOF FRAMING PLAN (B)

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

REVISION:
02 SEP 2020

DRAWN:
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ASSISTED LIVING FACILITY for SMITH - SORENSEN

LAKE CITY, COLUMBIA COUNTY, FLORIDA

LOFT FLOOR / ROOF PLAN

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
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SHEET:
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4 OF 6

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Date: 2020.09.02 10:27:00-04'00'

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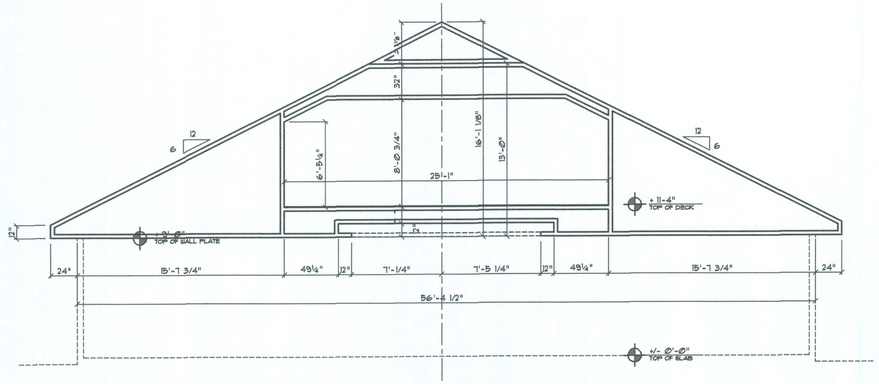
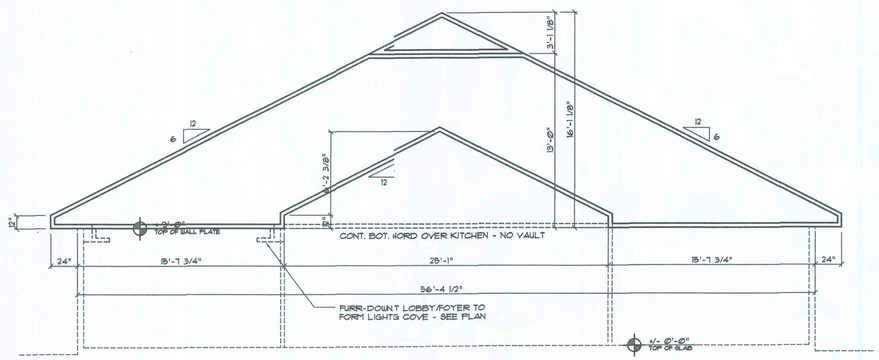


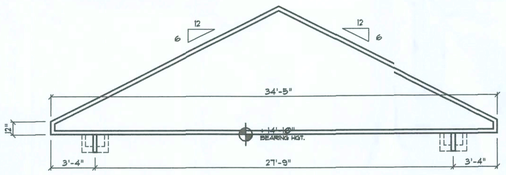
PROFILE @ MEETING ROOM / LIVING AREA

SCALE: 3/16" = 1'-0" TR-1 / TR-2



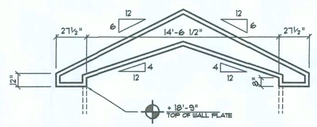
PROFILE @ DINING ROOM / KITCHEN

SCALE: 3/16" = 1'-0" TR-3 / TR-4



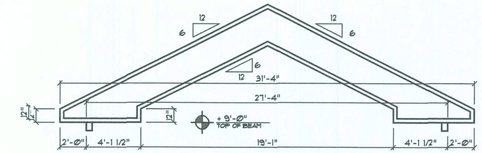
PROFILE @ ENTRY CANOPY

SCALE: 3/16" = 1'-0" TR-9



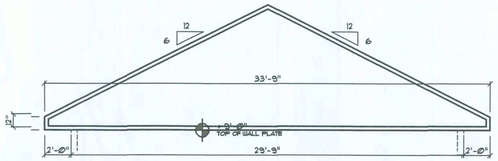
PROFILE @ DORMER

SCALE: 3/16" = 1'-0" TR-10



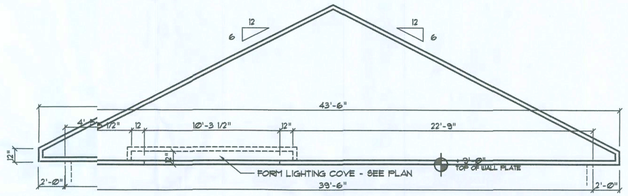
PROFILE @ PAVILLION

SCALE: 3/16" = 1'-0" TR-8



PROFILE @ PAVILLION

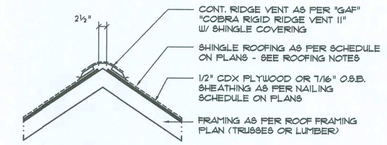
SCALE: 3/16" = 1'-0" TR-7



PROFILE @ FAMILY ROOM

SCALE: 3/16" = 1'-0" TR-5 / TR-6

AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1900 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	810 SQ.IN.
3600 SF	44 LF	900 SQ.IN.



MIAMI/DADE PRODUCT APPROVAL REPORT: #98-0713.05

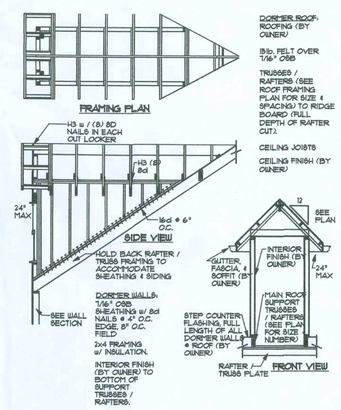
Ridge Vent DETAIL (F)

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

ROOFING METALS for FLASHING/ROOFING MINIMUM THICKNESS REQUIREMENTS			
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (OZ)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0179	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027		40 20

Roofing/Flashing DETS. (E)

SCALE: NONE



Dormer Framing DET. (D)

SCALE: N.T.S.

GENERAL TRUSS NOTES:

1. TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL FOREST PRODUCTS ANNOCIATION MANUAL FOR "STRESS RATED LUMBER AND ITS CONNECTIONS", LATEST Ed. ALONG W/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR "TEMPORARY" AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS & DESIGN, PLACEMENT PLANS, DETS. & TRUSS TO TRUSS CONNECTIONS.
2. TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
3. FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIREMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS. THE CONTRACTOR SHALL MAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

NOTE!
PRIOR TO THE CONSTRUCTION OF THE FOUNDATION, THE CONTRACTOR SHALL COORDINATE ANY INTERIOR BEARING LOCATION CONDITIONS PER THE TRUSS ENGINEERED SHOP DRAWINGS WITH THE FOUNDATION PLAN. ANY INTERIOR BEARING LOCATIONS OR ANY POINT LOADS OF 4.0 K OR GREATER SHALL BE SUPPORTED VIA A MODIFIED FOUNDATION PLAN TAKING THESE LOADS INTO CONSIDERATION. THE CONTRACTOR SHALL MAKE THE ENGINEERED TRUSS SHOP DRAWINGS AVAILABLE TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OR RENDERING SUCH MODIFICATIONS PRIOR TO POURING ANY CONCRETE.

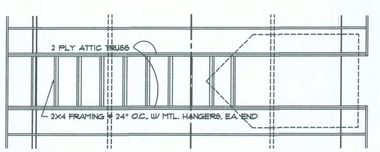
SHOP DWG COORDINATION: THE TRUSS ANCHOR STRAPS AS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE SUGGESTED STRAPS AND THAT THE TRUSS ENGINEERED SHOP DRAWING LOADS TAKE PRECEDENCE OVER THAT INDICATED IN THE CONSTRUCTION DOCUMENTS.
THE UPLIFT LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED TRUSS SHOP DRAWINGS MAY BE MATCHED TO STANDARD PRODUCT UPLIFT RATINGS FOR COMPARABLE UPLIFT CONNECTORS, AND THAT THE PRODUCTS THAT PROVIDE EQUAL OR GREATER UPLIFT RESISTANCE FOR THE LISTED LOADS MAY BE USED IN LIEU OF THOSE INDICATED IN THE CONSTRUCTION DOCUMENTS OR AS APPROVED BY THE BUILDING OFFICIAL.

THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS. SOME OF THE TRUSS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITION TO TYPICAL NAILING. ANCHOR DEVICES SHALL BE REQUIRED FOR ALL JOINTS WITH AN UPLIFT OR GRAVITY LOAD OF 300 LBS. OR GREATER.

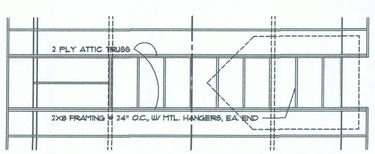
TRUSSES BEARING ON INTERIOR PARTITIONS WHERE UPLIFT LOADS ARE PRESENT SHALL REQUIRE ANCHORS OF EQUAL OR GREATER LOAD CAPACITY THAN THAT INDICATED BY THE TRUSS SHOP DRAWINGS. THE UPLIFT ANCHOR SYSTEM SHALL BE CONTINUOUS TO THE FOUNDATION.

PRINCIPLE TRUSS PROFILES (A)

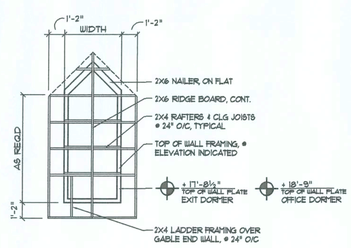
SCALE: 3/16" = 1'-0"



TRUSS OPENING ROOF FRAMING

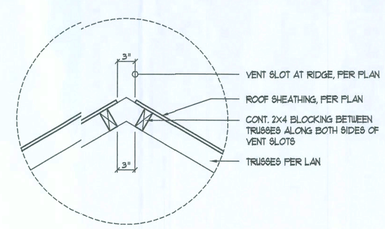


TRUSS OPENING FLOOR FRAMING



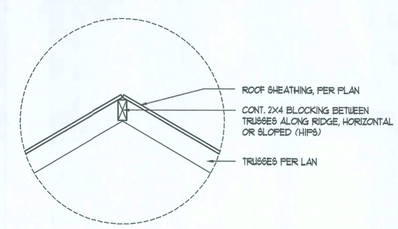
Dormer DETAIL (B)

SCALE: 3/16" = 1'-0"



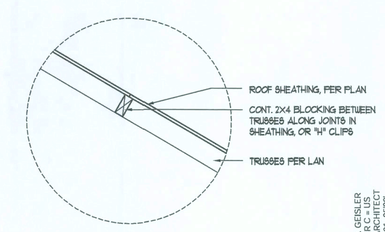
Vent DETAIL (C1)

SCALE: 1" = 1'-0"



Ridge DETAIL (C2)

SCALE: 1" = 1'-0"



Joint DETAIL (C3)

SCALE: 1" = 1'-0"

REVISION:
02 SEP 2020

DRAWN:
NPG

ASSISTED LIVING FACILITY for
SMITH - SORENSEN
LAKE CITY, COLUMBIA COUNTY, FLORIDA
ROOF PLAN

Calchmating
48 Years of Service
1972 - 2020
N.P. GEISLER ARCHITECT
AR000'005

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. CERTIFIED
1758 NW Brown Rd.
Lake City, FL 32055
386-752-2055

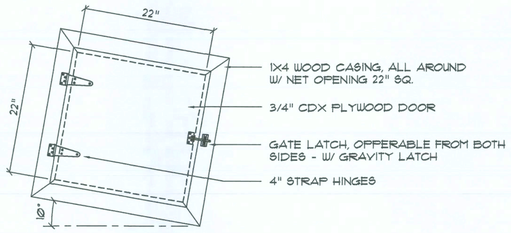
DATE:
18 AUG 2020

COMM:
2K1040

SHEET:
S.5
5 OF 6

Digitally signed by N. P. GEISLER
DN: CN=N.P. GEISLER ARCHITECT, C=US, O=N.P. GEISLER ARCHITECT
Date: 2020.08.06 09:08:01 -05'00'

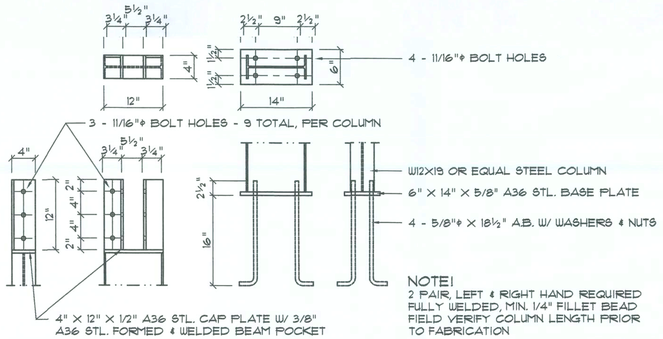
AR000'005



Self-Closing, Smoke Division Wall, Scuttle DETAIL

SCALE: 1" = 1'-Ø"

A



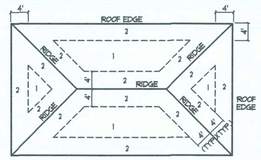
NOTE!
2 PAIR, LEFT & RIGHT HAND REQUIRED
FULLY WELDED, MIN. 1/4" FILLET BEAD
FIELD VERIFY COLUMN LENGTH PRIOR TO FABRICATION

Steel Column DETAIL

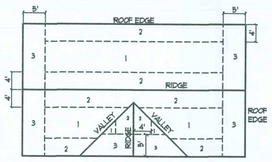
SCALE: N.T.S.

D

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16 " O.S.B. OR 15/32 CDX	8d RING SHANK OR 8d HOT DIPPED GALVANIZED BOX NAILS	6 in. o.c. EDGE 12 in. o.c. FIELD
2			6 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD



ROOF SHEATHING NAILING ZONES
(HIP ROOF)

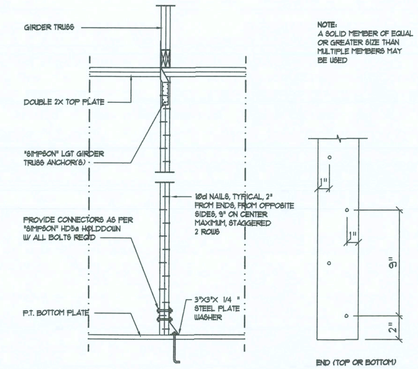


ROOF SHEATHING NAILING ZONES
(GABLE ROOF)

Roof Nail Pattern DET.

SCALE: NONE

B



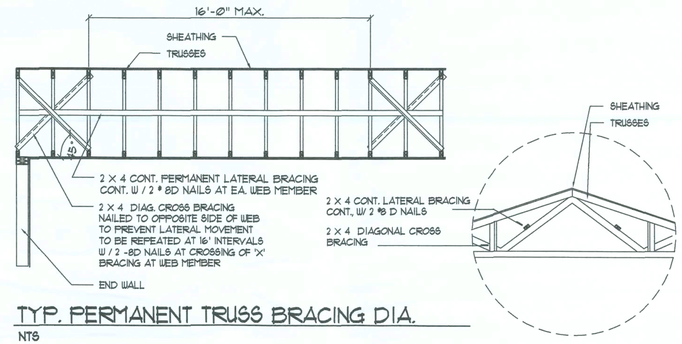
NOTE:
A SOLID MEMBER OF EQUAL OR GREATER SIZE THAN MULTIPLE MEMBERS MAY BE USED

Girder Truss Column DET.

SCALE: 1/2" = 1'-Ø"

C

HEADER SPANS FOR EXTERIOR BEARING WALLS								
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)						
		20'		28'		36'		
		SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS	
ROOF, CEILING	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1	
	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1	
	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1	
	2-2x10	8'-5"	2	7'-3"	2	6'-6"	2	
	2-2x12	9'-9"	2	8'-5"	2	7'-6"	2	
	3-2x8	8'-4"	1	7'-5"	1	6'-8"	1	
	3-2x10	10'-6"	1	9'-1"	2	8'-2"	1	
	3-2x12	12'-2"	2	10'-7"	2	9'-5"	2	
	4-2x8	9'-2"	1	8'-4"	1	9'-2"	1	
	4-2x10	11'-8"	1	10'-6"	1	9'-5"	1	
	4-2x12	14'-1"	1	12'-2"	2	10'-11"	1	



TYP. PERMANENT TRUSS BRACING DIA.

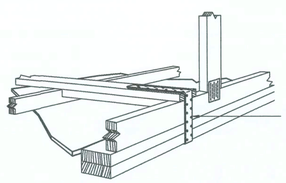
NTS

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing DETAILS

SCALE: AS NOTED

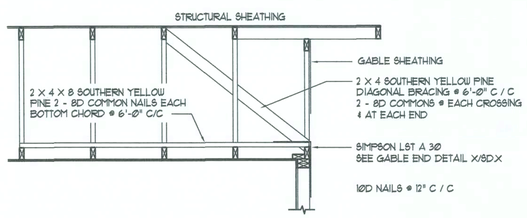
E



GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

F.1

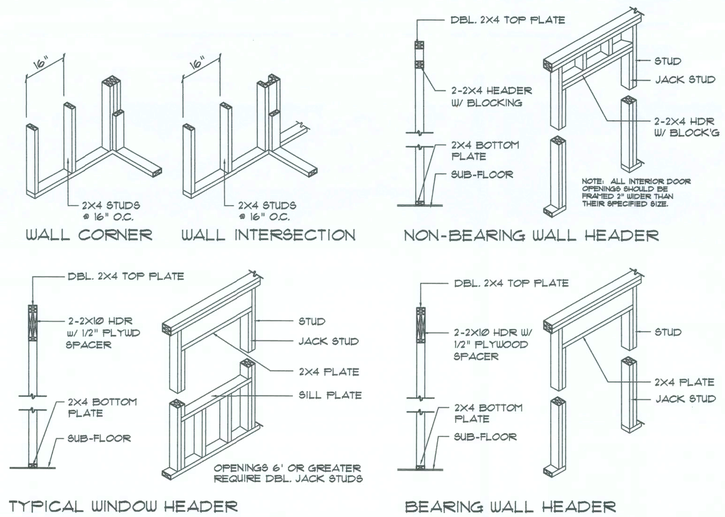


END WALL BRACING FOR CEILING DIAPHRAGM

NTS (ALTERNATIVE TO BALLOON FRAMING)

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

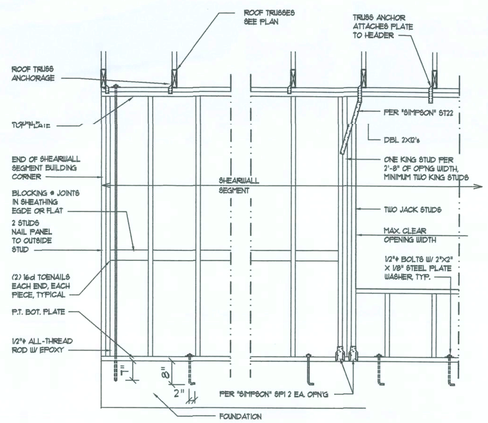
F.2



Wall Framing/Header DETAILS

SCALE: NONE

G



SHEARWALL NOTES:

1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS
2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16 " O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS
3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
4. NAIL SPACING SHALL BE 4" O.C. EDGES AND 8" O.C. IN THE FIELD.
5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 FOR 8'-0" WALLS (7'-3").

OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
E 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
E 9' TO 12'-0"	(3) 2x4 OR (2) 2x6	3

Shear Wall DETAILS

SCALE: NONE

H

REVISION:

DRAWN: rpg

ASSISTED LIVING FACILITY for
GRANDE CYPRESS
LAKE CITY, COLUMBIA COUNTY, FLORIDA
STRUCTURAL DETAILS

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER ARCHITECT
N.A.R.B. CERTIFIED
1758 N Brown Rd.
Lake City, FL 32055
386-752-7365

DATE: 18 AUG 2020

COMM: 2K2040

SHEET: S.6

6 OF 6

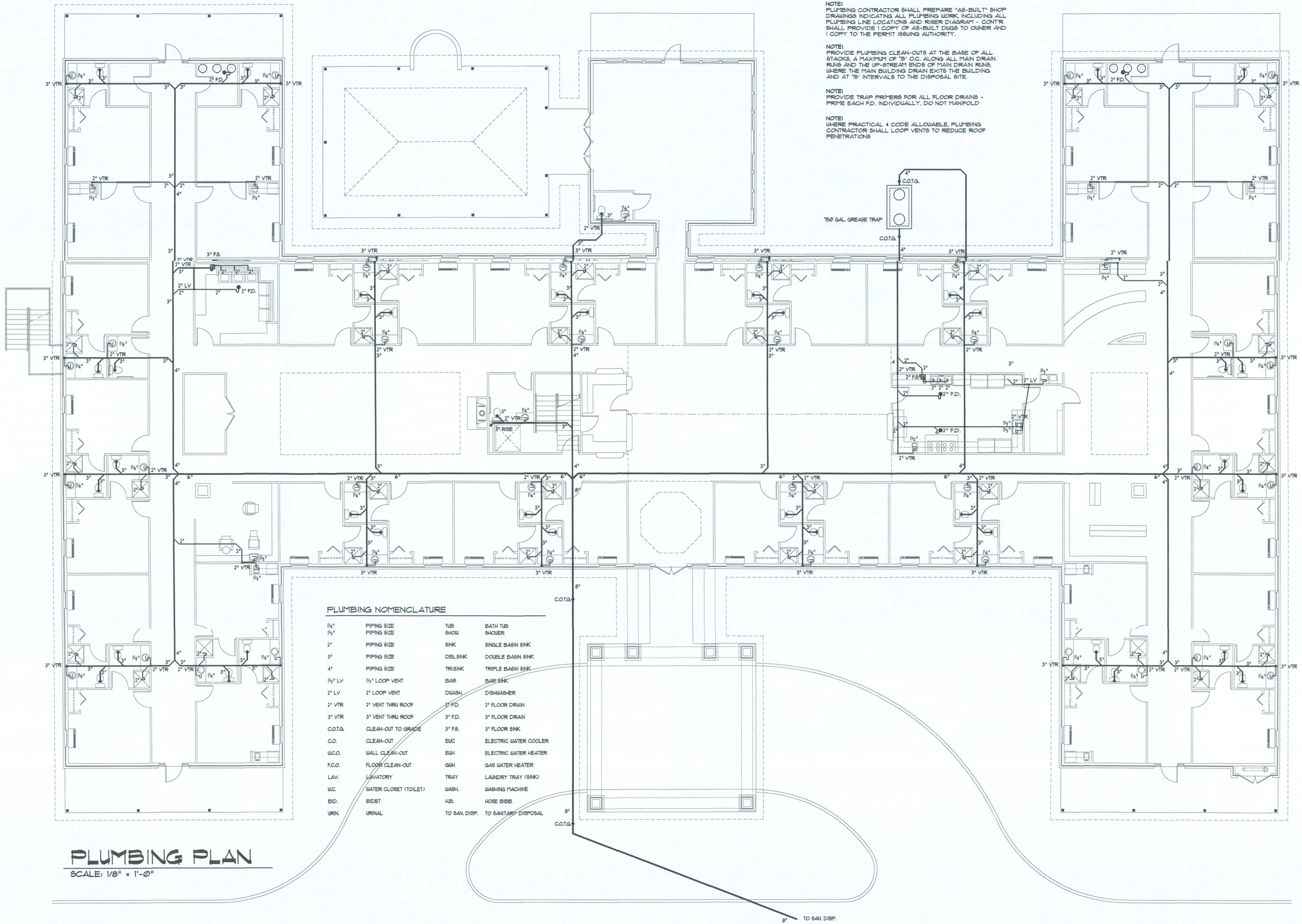
AR0007005

NOTE!
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE!
PROVIDE PLUMBING CLEAN-OUTS AT THE BASE OF ALL STACKS, A MAXIMUM OF 75' O.C. ALONG ALL MAIN DRAIN RUNS AND THE UP-STREAM ENDS OF MAIN DRAIN RUNS, WHERE THE MAIN BUILDING DRAIN EXITS THE BUILDING AND AT 75' INTERVALS TO THE DISPOSAL SITE.

NOTE!
PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS - PRIME EACH F.D. INDIVIDUALLY, DO NOT MANIFOLD

NOTE!
WHERE PRACTICAL & CODE ALLOWABLE, PLUMBING CONTRACTOR SHALL LOOP VENTS TO REDUCE ROOF PENETRATIONS



PLUMBING NOMENCLATURE

1¼"	PIPING SIZE	TUB	BATH TUB
1½"	PIPING SIZE	SHOW.	SHOWER
2"	PIPING SIZE	SINK	SINGLE BASIN SINK
3"	PIPING SIZE	DBL.SINK	DOUBLE BASIN SINK
4"	PIPING SIZE	TRI.SINK	TRIPLE BASIN SINK
1½" LV	1½" LOOP VENT	BAR	BAR SINK
2" LV	2" LOOP VENT	DWASH.	DISHWASHER
2" VTR	2" VENT THRU ROOF	2" F.D.	2" FLOOR DRAIN
3" VTR	3" VENT THRU ROOF	3" F.D.	3" FLOOR DRAIN
C.O.T.G.	CLEAN-OUT TO GRADE	3" F.S.	3" FLOOR SINK
C.O.	CLEAN-OUT	EWC	ELECTRIC WATER COOLER
W.C.O.	WALL CLEAN-OUT	EWH	ELECTRIC WATER HEATER
F.C.O.	FLOOR CLEAN-OUT	GWH	GAS WATER HEATER
LAV.	LAVATORY	TRAY	LAUNDRY TRAY (SINK)
W.C.	WATER CLOSET (TOILET)	WASH.	WASHING MACHINE
BID.	BIDET	H.B.	HOSE BIBB
URN.	URINAL	TO SAN. DISP.	TO SANITARY DISPOSAL

PLUMBING PLAN

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

REVISION:
02 SEP 2020

DRAWN:
NPG

ASSISTED LIVING FACILITY for
SMITH - SORENSEN
LAKE CITY, COLUMBIA COUNTY, FLORIDA
PROPOSED FLOOR PLAN

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AA0001700

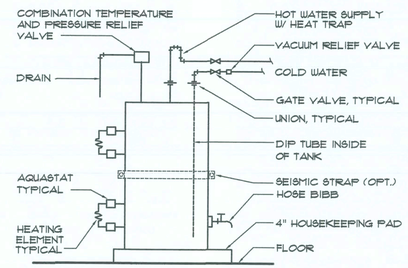
NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Sven Rd.
Lake City, FL 32055
386-365-4112

DATE:
18 AUG 2020

COMM:
2K2040

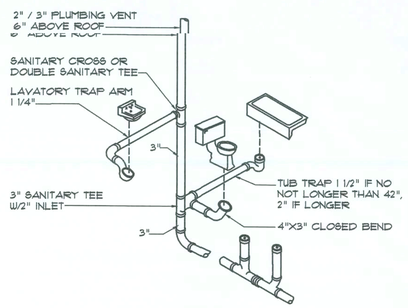
SHEET:
PME.1
1 OF 7

AR0007005



E.W.H. DETAIL (A)

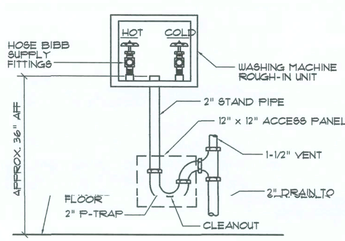
SCALE: NONE



Typ. Bath Plumbing DET. (B)

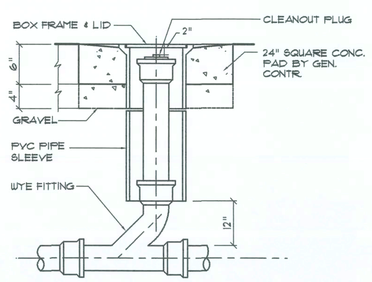
N.T.S.

N.T.S. - THIS PLUMBING DIAGRAM IS GENERAL IN NATURE, REFER TO THE 'PLUMBING RISER DIAGRAM' FOR INFORMATION.



Wash. Mach. Hook-up DET. (C)

N.T.S.



Outdoor Cleanout DETAIL (D)

N.T.S.

GENERAL PLUMBING NOTES:

1. SUB-CONTRACTORS PROVIDING PLUMBING MATERIALS AND INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6.
2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
3. ALL MATERIALS SHALL BE NEW.
4. ALL WORK SHALL BE PREFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL.
5. ALL EXCAVATION & BACKFILL AS REQUIRED FOR THIS PHASE OF THE CONSTRUCTION SHALL BE PART OF THE PLUMBING SUB-CONTRACTOR'S RESPONSIBILITIES.
6. PLUMBING FLAT PLANS AND RISER DIAGRAMS (IF INCLUDED) ARE DIAGRAMATIC. DO NOT SCALE THE DRAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES.
7. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF THE CONSTRUCTION.
8. WATER PIPING SHALL BE TYPE L COPPER UP TO 1", & TYPE K FOR ALL LARGER SIZES. ALL UNDERGROUND PIPING SHALL BE TYPE K COPPER. AT THE OWNERS OPTION SUPPLY PIPING MAY BE C.P.V.C., SCHEDULE 40 OR SCHEDULE 80.
9. DO NOT USE LEAD BASED SOLDER FOR JOINING SUPPLY PIPING.
10. SOIL, WASTE, VENT & RAINWATER PIPING SHALL BE CAST IRON NO-HUB 301-72 ABOVE GRADE WITH NEOPRENE GASKETS AND STAINLESS STEEL BANDS & BELL & SPIGOT CAST IRON BELOW GRADE W/ LEAD & OAKUM JOINTS OR AT THE OWNERS OPTION, P.V.C., SCHEDULE 40, SEE NOTE 12.
11. AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN, WASTE OR VENT PIPE AND FITTINGS, OR P.V.C. SEE NOTE 12 BELOW. INSULATE ALL CONDENSATE PIPING EXCEPT P.V.C., SEE NOTE 12, BELOW. INSULATE ALL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS.
12. P.V.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOIL, WASTE, VENT, RAINWATER OR CONDENSATE PIPING AS APPROPRIATE, WHERE APPROVED BY LOCAL BUILDING CODES & OFFICIALS. P.V.C. MAY NOT BE USED TO PENETRATE CHASES OR FIRE RATED WALLS / CEILINGS.
13. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND WHERE PROVIDED, MARKED ACCESS PANELS.
14. FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE AND APPROVED SHOCK ARRESTERS ON MAIN LINE OR RISERS.
15. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
16. ISOLATE COPPER PIPING FROM HANGERS OR SUPPORTS W/ HAIR FELT INSULATOR PADS.
17. PROVIDE 1/2" TRAP PRIMER LINE FOR ALL FLOOR DRAINS FROM NEAREST PLUMBING FIXTURE, DO NOT MANIFOLD.
18. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES.
19. PROVIDE COMBINATION COVERPLATE / CLEANOUT PLUG FOR ALL WALL CLEANOUTS, FINISH AS DIRECTED BY THE OWNER.
20. FIXTURES, HARDWARE, EQUIPMENT, COLORS AND FINISHES SHALL BE AS SELECTED BY THE OWNER.

GENERAL WELL & SEPTIC NOTES:

1. SUB-CONTRACTORS PROVIDING WATER WELLS AND/OR SEPTIC TANKS AND DRAINFIELDS SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6, THIS SHEET
2. LOCATION OF POTABLE WATER WELLS SHALL BE DETERMINED BY THE OWNER IN CONSULTATION WITH THE WELL DRILLING CONTRACTOR. WELLS SHALL NOT BE LOCATED CLOSER THAN 75'-0" TO ANY PROPOSED OR EXISTING SEPTIC TANK OR DRAINFIELD, EITHER ON SUBJECT PROPERTY OR ADJACENT/ADJOINING PROPERTY.
3. POTABLE WATER WELLS SHALL BE A MINIMUM 4"Ø WITH BLACK IRON CASING TO A DEPTH OF 80'-0". PUMPS SHALL BE OF THE SUBMERSIBLE TYPE, THREE WIRE SYSTEM, MINIMUM HORSEPOWER SHALL BE 1/2 H/P OR AS DIRECTED BY THE OWNER. MOTOR STARTER SHALL BE ENCLOSED IN A WEATHERPROOF HOUSING, MOUNTED ON A P/T 4X4 POST AT THE WELL HEAD.
4. WELL HEAD SHALL PROJECT 12" ABOVE GRADE.
5. ALL REQUIRED COMPONENTS FOR A COMPLETE OPERATING SYSTEM SHALL BE PROVIDED, INCLUDING ANTI-FREEZE BLEEDER FITTING, CHECKVALVE, AIR BLEEDERS, SHUTOFF VALVE, HOSE BIBB, PRESSURE REGULATOR/CONTACTOR, UNIONS AND PRESSURE GAUGE.
6. PRESSURE TANK SHALL BE GALVANIZED 82 GALLON CAPACITY, UNLESS DIRECTED OTHERWISE BY THE OWNER.
7. SEPTIC TANK LOCATION & DRAINFIELD INVERT SHALL BE DETERMINED BY THE LOCAL HEALTH DEPARTMENT, IN CONSULTATION W/ THE OWNER.
8. SEPTIC TANKS SHALL BE OF A SIZE & CONSTRUCTION AS DETERMINED BY THE LOCAL HEALTH DEPARTMENT. TANK MAT'L SHALL BE POURED CONCRETE OR FIBERGLASS AS ALLOWED BY THE SEPTIC TANK PERMIT.
9. SEPTIC DRAINFIELDS SHALL BE CONSTRUCTED TO THE STANDARDS OF THE LOCAL HEALTH DEPARTMENT. DRAINFIELD PIPING SHALL BE CLAY TILE OR P.V.C. OR POL'Y AS ALLOWED BY THE SEPTIC TANK PERMIT. DRAINFIELD BEDS SHALL BE 3/4" WASHED ROCK, INSTALLED THICKNESS SHALL BE AS PER SEPTIC TANK PERMIT.
10. SAND FILTER BEADS, MOUND SYSTEMS, DOSING TANKS, GREASE TRAPS, DISTRIBUTION BOXES, GRINDER PUMPS, SUMP PUMPS AND OTHER SUCH RELATED ITEMS (IF REQUIRED OR REQUESTED) SHALL BE AS PER THE DESIGN STANDARDS OF THE LOCAL HEALTH DEPARTMENT.

FIELD "AS-BUILT" NOTES:

REVISION:

DRAWN: NPG

ASSISTED LIVING FACILITY for
GRANDE CYPRESS
LAKE CITY, COLUMBIA COUNTY, FLORIDA
PLUMBING DETAILS / AS-BUILT NOTES

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brett Rd.
Lake City, FL 32055
386-365-0552

DATE: 18 AUG 2020

COMM: 2K2040

SHEET: PME.2

2 OF 7

Digitally signed by: N.P. GEISLER
DN: cn=N.P. GEISLER CN=US
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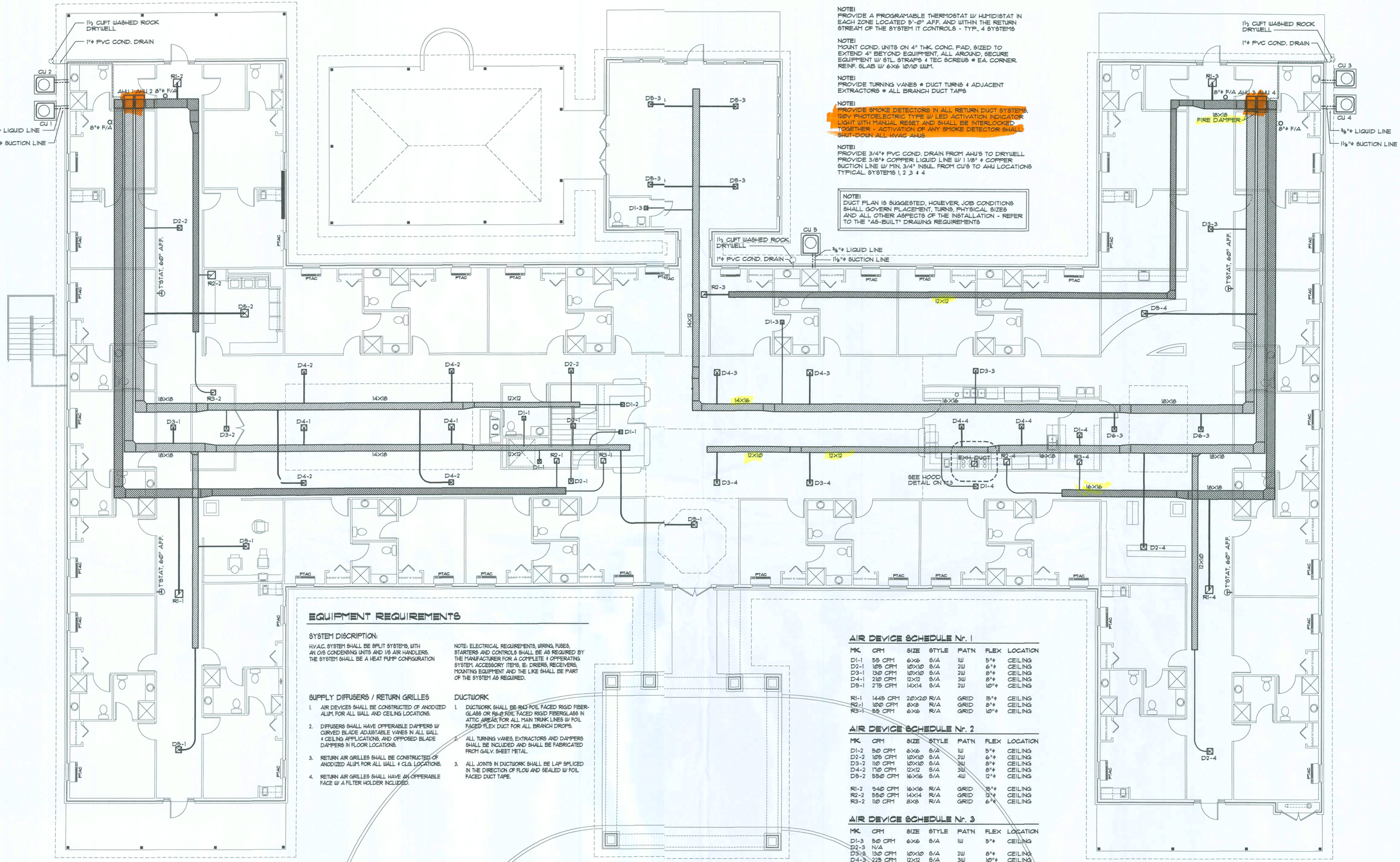

NOTE!
PROVIDE A PROGRAMABLE THERMOSTAT W/ HUMIDISTAT IN EACH ZONE LOCATED 5'-0" A.F.F. AND WITHIN THE RETURN STREAM OF THE SYSTEM IT CONTROLS - TYP., 4 SYSTEMS

NOTE!
MOUNT COND. UNITS ON 4" THK. CONC. PAD, SIZED TO EXTEND 4" BEYOND EQUIPMENT, ALL AROUND, SECURE EQUIPMENT W/ STL. STRAPS & TEC SCREWS @ EA. CORNER. REINF. SLAB W/ 6X6 10/10 WWM.

NOTE!
PROVIDE TURNING VANES @ DUCT TURNS & ADJACENT EXTRACTORS @ ALL BRANCH DUCT TAPS

NOTE!
PROVIDE SMOKE DETECTORS IN ALL RETURN DUCT SYSTEMS. 120V PHOTOELECTRIC TYPE W/ LED ACTIVATION INDICATOR LIGHT WITH MANUAL RESET AND SHALL BE INTERLOCKED TOGETHER - ACTIVATION OF ANY SMOKE DETECTOR SHALL SHUT-DOWN ALL HVAC AHUS

NOTE!
PROVIDE 3/4"ø PVC COND. DRAIN FROM AHU'S TO DRYWELL PROVIDE 3/8"ø COPPER LIQUID LINE W/ 1 1/8" ø COPPER SUCTION LINE W/ MIN. 3/4" INSUL. FROM CU'S TO AHU LOCATIONS TYPICAL. SYSTEMS 1, 2 ,3 & 4

NOTE!
DUCT PLAN IS SUGGESTED, HOWEVER, JOB CONDITIONS SHALL GOVERN PLACEMENT, TURNS, PHYSICAL SIZES AND ALL OTHER ASPECTS OF THE INSTALLATION - REFER TO THE "AS-BUILT" DRAWING REQUIREMENTS

EQUIPMENT REQUIREMENTS

SYSTEM DISCRIPTION:

H.V.A.C. SYSTEM SHALL BE SPLIT SYSTEMS, WITH AN O/S CONDENSING UNITS AND I/S AIR HANDLERS. THE SYSTEM SHALL BE A HEAT PUMP CONFIGURATION

NOTE: ELECTRICAL REQUIREMENTS, WIRING, FUSES, STARTERS AND CONTROLS SHALL BE AS REQUIRED BY THE MANUFACTURER FOR A COMPLETE & OPPERATING SYSTEM. ACCESSORY ITEMS, IE. DRIERS, RECEIVERS, MOUNTING EQUIPMENT AND THE LIKE SHALL BE PART OF THE SYSTEM AS REQUIRED.

SUPPLY DIFFUSERS / RETURN GRILLES

1. AIR DEVICES SHALL BE CONSTRUCTED OF ANODIZED ALUM. FOR ALL WALL AND CEILING LOCATIONS.
2. DIFFUSERS SHALL HAVE OPPERABLE DAMPERS W/ CURVED BLADE ADJUSTABLE VANES IN ALL WALL & CEILING APPLICATIONS, AND OPPOSED BLADE DAMPERS IN FLOOR LOCATIONS.
3. RETURN AIR GRILLES SHALL BE CONSTRUCTED OF ANODIZED ALUM. FOR ALL WALL & CLG. LOCATIONS.
4. RETURN AIR GRILLES SHALL HAVE AN OPPERABLE FACE W/ A FILTER HOLDER INCLUDED.

DUCTWORK

1. DUCTWORK SHALL BE R6.0 FOIL FACED RIGID FIBER-GLASS OR R6.0 FOIL FACED RIGID FIBERGLASS IN ATTIC AREAS FOR ALL MAIN TRUNK LINES W/ FOIL FACED FLEX DUCT FOR ALL BRANCH DROPS.
2. ALL TURNING VANES, EXTRACTORS AND DAMPERS SHALL BE INCLUDED AND SHALL BE FABRICATED FROM GALV. SHEET METAL.
3. ALL JOINTS IN DUCTWORK SHALL BE LAP SPLICED IN THE DIRECTION OF FLOW AND SEALED W/ FOIL FACED DUCT TAPE.

AIR DEVICE SCHEDULE Nr. 1

MK	CFM	SIZE	STYLE	PATN	FLEX	LOCATION
D1-1	55 CFM	6X6	S/A	1W	5"ø	CEILING
D2-1	105 CFM	10X10	S/A	2W	6"ø	CEILING
D3-1	130 CFM	10X10	S/A	2W	8"ø	CEILING
D4-1	210 CFM	12X12	S/A	3W	8"ø	CEILING
D5-1	275 CFM	14X14	S/A	2W	10"ø	CEILING
R1-1	1445 CFM	20X20	R/A	GRID	15"ø	CEILING
R2-1	100 CFM	8X8	R/A	GRID	8"ø	CEILING
R3-1	55 CFM	6X6	R/A	GRID	10"ø	CEILING

AIR DEVICE SCHEDULE Nr. 2

MK	CFM	SIZE	STYLE	PATN	FLEX	LOCATION
D1-2	50 CFM	6X6	S/A	1W	5"ø	CEILING
D2-2	105 CFM	10X10	S/A	2W	6"ø	CEILING
D3-2	110 CFM	10X10	S/A	2W	8"ø	CEILING
D4-2	170 CFM	12X12	S/A	3W	8"ø	CEILING
D5-2	550 CFM	16X16	S/A	4W	12"ø	CEILING
R1-2	940 CFM	16X16	R/A	GRID	15"ø	CEILING
R2-2	550 CFM	14X14	R/A	GRID	12"ø	CEILING
R3-2	110 CFM	8X8	R/A	GRID	6"ø	CEILING

AIR DEVICE SCHEDULE Nr. 3

MK	CFM	SIZE	STYLE	PATN	FLEX	LOCATION
D1-3	50 CFM	6X6	S/A	1W	5"ø	CEILING
D2-3	N/A					
D3-3	130 CFM	10X10	S/A	2W	8"ø	CEILING
D4-3	225 CFM	12X12	S/A	3W	10"ø	CEILING
D5-3	380 CFM	14X14	S/A	4W	12"ø	CEILING
D6-3	215 CFM	14X14	S/A	2W	12"ø	CEILING
R1-3	1220 CFM	24X24	R/A	GRID	18"ø	CEILING
R2-3	680 CFM	14X14	R/A	GRID	12"ø	CEILING

AIR DEVICE SCHEDULE Nr. 4

MK	CFM	SIZE	STYLE	PATN	FLEX	LOCATION
D1-4	100 CFM	8X8	S/A	2W	6"ø	CEILING
D2-4	210 CFM	12X12	S/A	4W	10"ø	CEILING
D3-4	275 CFM	12X12	S/A	3W	10"ø	CEILING
D4-4	240 CFM	14X14	S/A	4W	12"ø	CEILING
D5-4	250 CFM	14X14	S/A	4W	12"ø	CEILING
R1-4	1020 CFM	20X20	R/A	GRID	15"ø	CEILING
R2-4	480 CFM	14X14	R/A	GRID	12"ø	CEILING
R3-4	100 CFM	8X8	R/A	GRID	6"ø	CEILING

EQUIPMENT SPECIFACATION:											
SYS.	TOTAL COOL	SENSIBLE	HEATING		SEER	HSPF	EF	KW	CFM	VOLTAGE	LIQUID	SUCTION
1, 2, 4	48000 BTU	36300 BTU	47°F DB = 48000 BTU 17°F DB = 31200 BTU		14.50	8.00	.31	3.65 8.80	1600	240V - 1ø	3/8"ø	1 1/8"ø
3, 5	60000 BTU	46200 BTU	47°F DB = 60000 BTU 17°F DB = 39600 BTU		14.50	8.00	.31	4.65 10.80	2000	240V - 1ø	3/8"ø	1 1/8"ø
PTAC	12000 BTU	9000 BTU	47°F DB = 12000 BTU 17°F DB = 6550 BTU		14.50	8.00	-	1.8 3.60	800	240V - 1ø	-	-

EQUIPMENT BY LISTED MFG'RS MEETING OR EXCEEDING THESE PERFORANCE RATINGS ARE APPROVED, AS EQUAL

A. RHEEM / RUUD
B. CARRIER
C. TRANE
D. YORK
E. LENNOX
F. BRYANT

NOTE!
H.V.A.C. CONTRACTOR SHALL PREPARE "WORKING" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. - CONTRACTOR SHALL PROVIDE 1 COPY OF "WORKING" SHOP DWGS TO THE TO THE PERMIT ISSUING AUTHORITY PRIOR TO STARTING INSTALLATION OF ANY MATERIALS.

NOTE!
DUCTWORK TO BE RUN IN TRUSSES IS SUGGESTED - SIZES, LOCATIONS, TURNS AND OTHER CHARACTERISTICS OF THE DUCT INSTALLATION WILL REQUIRE FIELD ADJUSTMENTS / MODIFACATIONS AS NEEDED TO ACCOMODATE THE STRUCTURAL MEMBERS AND LIMITATIONS

H. V. A. C. PLAN

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

NOTE!
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

REVISION:
01 SEP 2020

DRAWN:
NPG

ASSISTED LIVING FACILITY for
SMITH - SORENSEN
LAKE CITY, COLUMBIA COUNTY, FLORIDA
HVAC PLAN

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B.E. CERTIFICATE
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18 AUG 2020

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2K2040

SHEET:
PME.3
3 OF 7

Digitally signed by N. P. GEISLER
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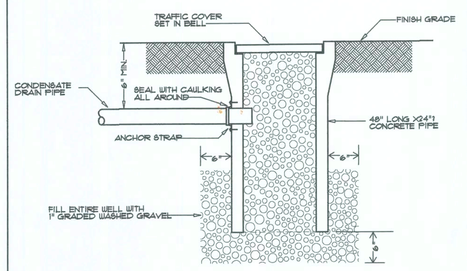
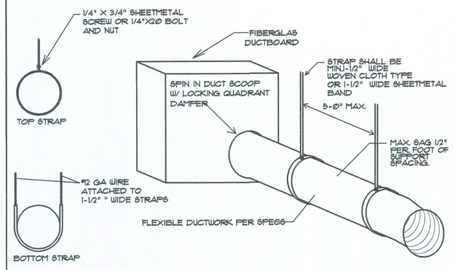
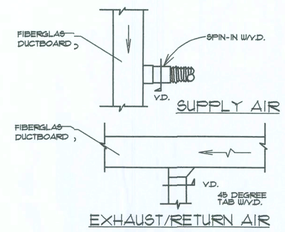


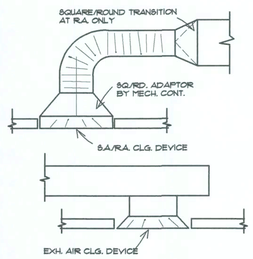
DRYWELL DETAIL (OPTIONAL) — DET #1 SHT M-4



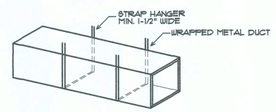
FLEXIBLE SUPPORTS DETAIL NTS — DET #2 SHT M-4



AIR DUCT DETAILS NTS — DET #3 SHT M-4



DIFFUSER CONNECTIONS NTS — DET #4 SHT M-4

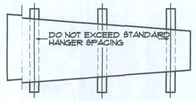


MAX. HALF OF DUCT PERIMETER	STRAP MATERIAL			
	10'-0" SPACING	8'-0" SPACING	5'-0" SPACING	4'-0" SPACING
P/2 = 30"	1.5" X 22 GA	1.5" X 22 GA	1.5" X 22 GA	1.5" X 22 GA
P/2 = 72"	1.5" X 18 GA	1.5" X 22 GA	1.5" X 22 GA	1.5" X 22 GA
P/2 = 96"	1.5" X 16 GA	1.5" X 18 GA	1.5" X 20 GA	1.5" X 22 GA
P/2 = 120"	1.5" X 16 GA	1.5" X 16 GA	1.5" X 18 GA	1.5" X 20 GA
P/2 = 168"	1.5" X 16 GA	1.5" X 16 GA	1.5" X 16 GA	1.5" X 18 GA

SHEETMETAL DUCT SUPPORT DETAIL — DET #5 SHT M-4

TRANSITION SUPPORT (FLAT BOTTOM SURFACE)

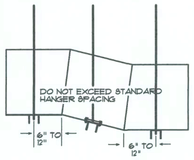
LOCATE HANGERS AS FOR STRAIGHT DUCT. NOTE: HANGER SPACING MAY CHANGE WHEN TRANSITION IS FROM ONE HANGER SIZE TO ANOTHER. USE CLOSEST SPACING DESCRIBED BY DETAIL 7.



DUCTBOARD TRANSITIONS AND OFFSET SUPPORTS NTS — DET # 6 SHT M-4

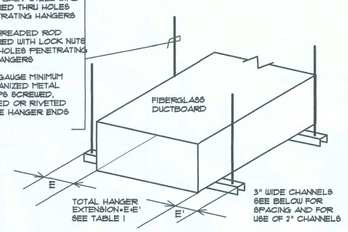
SUPPORTING OFFSETS AND TRANITIONS WITH INCLINED BOTTOM

REQUIRED ONLY WHEN INCLINED PORTION OF DUCT IS GREATER THEN 48". HANGER IS ATTACHED TO DUCT PER DETAIL AS SHOWN BELOW. ADDITIONAL HANGERS MAY BE REQUIRED TO COMPLY WITH HANGER SPACING PER DETAIL 7



DUCTBOARD TRANSITIONS AND OFFSET SUPPORTS NTS — DET #7 SHT M-4

ATTACHMENT TO STRUCTURE BY ANY OF THE FOLLOWING
#12 GA GALV STEEL WIRE SECURED THRU HOLES PENETRATING HANGERS
OR
1/4" THREADED ROD SECURED WITH LOCK NUTS THRU HOLES PENETRATING THE HANGERS
OR
17X22 GAUGE MINIMUM GALVANIZED METAL STRAPS SCREWED, WELDED OR RIVETED TO THE HANGER ENDS
OR



CHANNEL SELECTION

IF TOTAL EXTENSION NOT GREATER THAN	MINIMUM CHANNEL GAUGE	MINIMUM CHANNEL PROFILE
6"	24	3"X1.5"
18"	22	3"X2"
30"	18	3"X2"

MAXIMUM HANGER SPACING FOR 3" WIDE HANGERS

DUCT SIZE (INCHES)	MAXIMUM HANGER SPACING
48" WIDE OR MORE	4 FT
LESS THAN 48" WIDE AND GREATER THAN 24" DEEP	6 FT
WIDTH BETWEEN 24"&48" AND GREATER THAN 24"DEEP	6 FT
LESS THAN 48" WIDE AND DEPTH BETWEEN 12"&24"	8 FT
WIDTH 24" OR LESS AND DEPTH GREATER THAN 12"	8 FT
WIDE BOARD ANY WIDTH OR DEPTH	8 FT

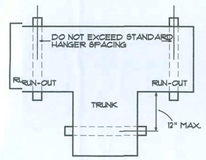
MAXIMUM HANGER SPACING FOR 2" WIDE HANGERS

ANY DUCT LESS THAN 48" WIDE AND DEPTH NOT EXCEEDING 24" = 4'6" MAX SPACING

DUCTBOARD 90° ELBOW AND BRANCH LINE SUPPORTS NTS — DET # 10 SHT M-2

TEE SUPPORT

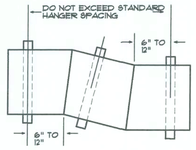
IF A TEE RUN-OUT FALLS WHERE TRUNK DUCT IS LOCATED, ADD RUN-OUT HANGERS ON EITHER SIDE OF TRUNK. DO NOT EXCEED MAXIMUM HANGER & SPACING.



DUCTBOARD FLAT BOTTOM OFFSETS AND TEES SUPPORTS NTS — DET #8 SHT M-2

OFFSET SUPPORT (FLAT BOTTOM SUFACE)

REQUIRED ONLY WHEN ANGLED PORTION OF OFF SET IS GREATER THEN 48" LONG. ADDITIONAL HANGERS MEY BE REQUIRED TO COMPLY WITH SPACING.



FIBERGLASS DUCT SUPPORT DETAIL NTS — DET #9 SHT M-2

DUCTBOARD FLAT BOTTOM OFFSETS AND TEES SUPPORTS NTS — DET #11 SHT M-2

H.V.A.C. DETAILS

N.T.S.

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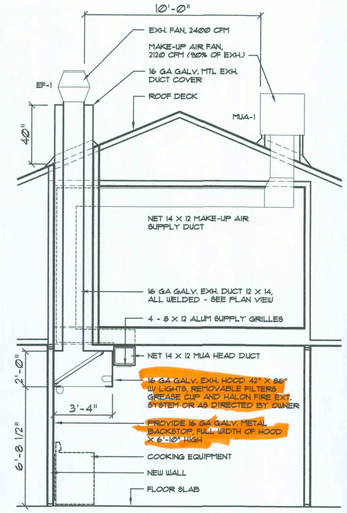
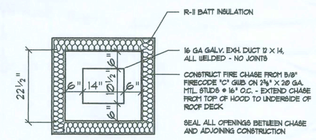


NOTE!!!
SUPPORT HOOD W/ 6 - 3/8"# THREADED RODS FROM STRUCTURE, ABOVE - VERIFY IN FIELD STRUCTURAL CONDITIONS & CONTACT ARCHITECT PRIOR TO INSTALLATION.

Hood Schematic SEC.

SCALE: NONE

NOTE!
HVAC CONTRACTOR SHALL PREPARE SHOP DRAWINGS INDICATING HOOD SYSTEM CONSTRUCTION INCLUDING FANS, EXHAUST DUCT, HOOD, FIRE SUPPRESSION AND CONTROL SYSTEM - DESIGN SHALL PROVIDE FOR 2200 CFM EXHAUST & 2160 CFM MAKE-UP AIR.



Exhaust Duct PLAN

SCALE: NONE

GENERAL HOOD NOTES:

1. EXHAUST HOOD CONSTRUCTION AND DESIGN SHALL BE IN CONFORMANCE WITH NFPA 96-LATEST.
2. FIRE SUPPRESSION SYSTEM SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH NFPA 12-LATEST, NFPA 12A-LATEST OR NFPA 12B-LATEST
3. HOOD MATERIALS SHALL NOT BE LESS THAN 18 GA GALVANIZED SHEET STEEL OR 20 GA STAINLESS STEEL.
4. ALL JOINTS SHALL BE FULLY WELDED AND LIQUID TIGHT.
5. THE MINIMUM FACE VELOCITY OF EXHAUST AIR ACROSS TO HOOD OPENING SHALL NOT BE LESS THAN 100 FEET PER MINUTE.
6. THE EXHAUST VELOCITY THRU THE EXHAUST DUCT SHALL NOT BE LESS THAN 1500 FEET PER MINUTE, NOR GREATER THAN 2000 FEET PER MINUTE.

EXHAUST FAN SCHEDULE

MARK	MFG/MODEL	RPM	CFM	ESP IN. WG	VOLT/PH	WATTS (LBS.)	SONES	COMMENTS
EF-1	0.75	1750	2400	2.50	240/1	152.41	12.4	W/ GREASE BOX & GREASE CUP

MAKE UP AIR FAN SCHEDULE

MARK	MFG/MODEL	RPM	CFM	ESP IN. WG	VOLT/PH	WATTS (LBS.)	SONES	COMMENTS
MUA-1	0.50	1130	2200	2.50	240/1	1/2	-	MTD ON ROOF W/ FILTER RACK

GENERAL H.V.A.C. NOTES:

1. SUB-CONTRACTORS PROVIDING HVAC INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6, GENERAL NOTES/D.1a.
2. HVAC SUB-CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL A COMPLETE & OPERATING HVAC SYSTEM.
3. HVAC SYSTEM SHALL BE AS DETAILED IN THE PLANS (IF INCLUDED), OR SHALL BE AS DIRECTED BY THE OWNER IN CONSULTATION WITH THE HVAC SUB-CONTRACTOR.
4. HVAC SUB-CONTRACTOR SHALL FURNISH SHOP DWGS FOR DUCTWORK, CONDENSING UNIT & AIR HANDLER, EXHAUST FANS AND AIR DEVICES.
5. IT IS THE HVAC SUB-CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH NFPA-90A AND ALL APPLICABLE CODES.
6. FLEXIBLE DUCT SHALL BE FULLY ANNEALED, CORRUGATED ALUMINUM W/ 1 3/4 LB. DENSITY FIBERGLASS INSULATION AND SHALL BE U.L. LISTED. SHEET METAL DUCT SHALL BE LINED W/ 1" MATFACED DUCT LINER & WRAPPED W/ 1 3/4 LB. FOILFACED FIBERGLASS INSULATION. ALL FIBERGLASS DUCT SHALL BE FOILFACED, R4.2/R6.0 DUCTBOARD.
7. ALL EXHAUST AND OUTSIDE AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHREA AND SMACNA STANDARDS.
8. ALL AIR DEVICES SHALL BE OF ALUMINUM CONSTRUCTION FOR WALL AND CEILING APPLICATIONS AND STEEL CONSTRUCTION IN FLOOR APPLICATIONS. ACCEPTABLE MANUFACTURER'S SHALL BE TITUS, METALAIRE, NAILORHART, HART & COOLIE OR AS DIRECTED BY THE OWNER.
9. IF REQUIRED BY THE OWNER, THE HVAC SUB-CONTRACTOR SHALL SUPPLY A TEST AND BALANCE REPORT IN ACCORDANCE WITH AIR BALANCE COUNCIL STANDARDS, SIGN AND SEALED BY A REGISTERED ENGINEER.
10. HVAC SUB-CONTRACTOR SHALL SUPPLY ALL CONTRACTORS, RELAYS, AND THERMOSTATS. THE ELECTRICAL SUB-CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS & CONTROL WIRING. THERMOSTATS SHALL BE APPROVED BY THE EQUIPMENT MFG'R.
11. ALL DUCT SIZES INDICATED IN THE PLANS (IF INCLUDED) ARE NET INSIDE DIMENSIONS.
12. ALL EQUIPMENT SHALL BE FULLY WARRANTED FOR 1 YEAR AND THE COMPRESSOR(S) SHALL BE WARRANTED 5 YEARS FROM DATE OF FINAL ACCEPTANCE, BY THE OWNER.
13. ALL WORK IN THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES SO AS TO AVOID CONFLICTS OR HINDERANCE TO COMPLETION OF THE JOB.
14. CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1/2" THICK ARMAFLEX INSULATION.
15. FILTERS SHALL BE DISPOSABLE TYPE AND HAVE INITIAL SHARE WEIGHT ARRESTANCE OF 10% AND A CLEAN PRESSURE DROP OF 0.15. PROVIDE 2 SETS, ONE DURING CONSTRUCTION AND ONE FOR USE AT FINAL ACCEPTANCE.
16. HVAC SUB-CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY OFFSETS, TRANSITIONS & BENDS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
17. IT IS THE RESPONSIBILITY OF THE HVAC SUB-CONTRACTOR TO CO-ORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH THE ELECTRICIAN, LIGHTS AND ARCHITECTURAL ELEMENTS.
18. COORDINATE W/ THE ELECTRICIAN, PARTICULARLY ELECTRICAL NOTE Nr. 29, TO ASSURE SUITABLE SIZES OF BREAKERS, SWITCHES AND WIRING.

REVISION:

DRAWN: MPB

ASSISTED LIVING FACILITY for GRANDE CYPRESS
LAKE CITY, COLUMBIA COUNTY, FLORIDA
HVAC DETAILS

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-362-4355

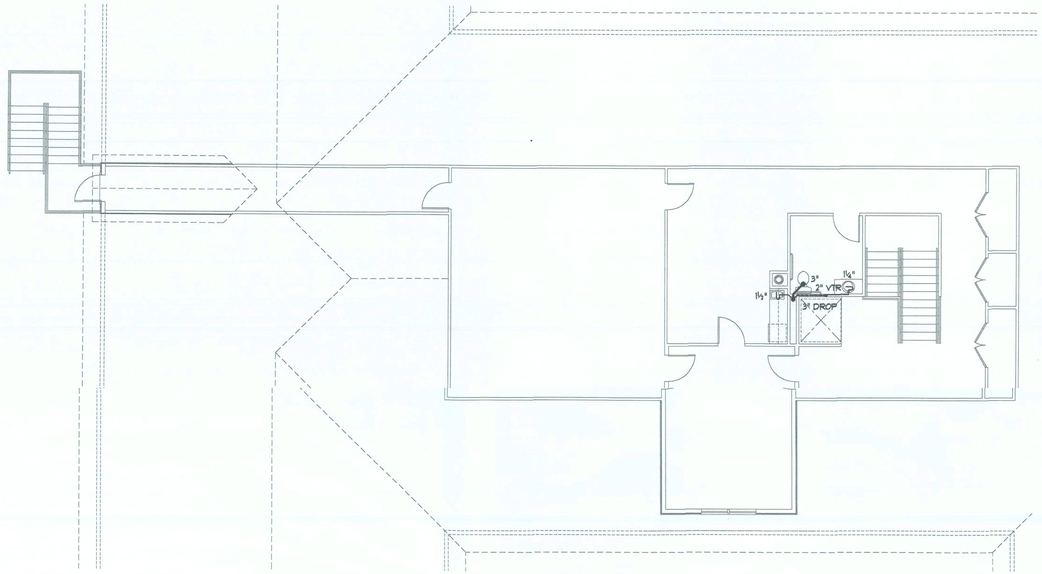
DATE: 18 AUG 2020

COMM: 2K2040

SHEET: PME.4

4 OF 7

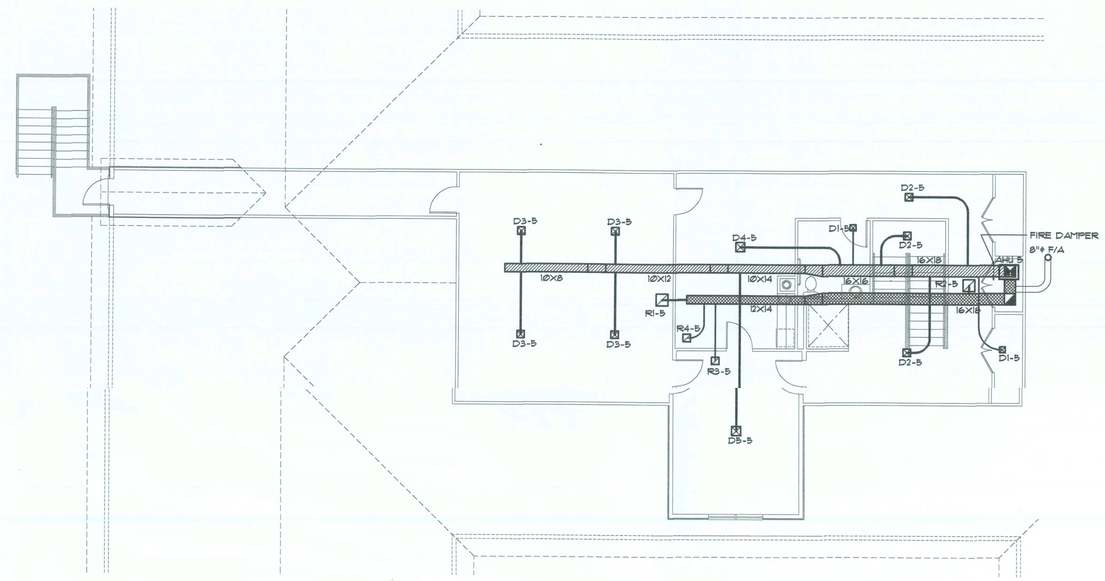
AR0007005



LOFT PLUMBING PLAN

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

NOTE!
REFER TO SHEETS PME.1 & PME.2 FOR
PLUMBING DATA AND DETAILS



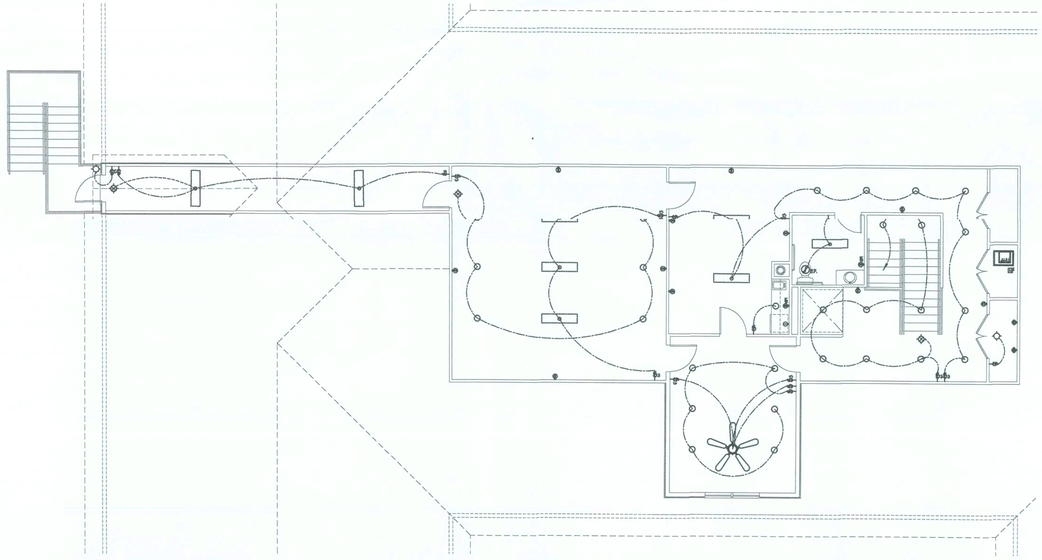
LOFT H. V. A. C. PLAN

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

NOTE!
REFER TO SHEETS PME.3 & PME.4 FOR
HVAC DATA AND DETAILS

AIR DEVICE SCHEDULE Nr. 5

MK	CFM	SIZE	STYLE	PATN	FLEX	LOCATION
D1-5	45 CFM	6X6	S/A	1W	5"ø	CEILING
D2-5	175 CFM	10X10	S/A	2W	8"ø	CEILING
D3-5	190 CFM	12X12	S/A	4W	8"ø	CEILING
D4-5	305 CFM	14X14	S/A	4W	10"ø	CEILING
D5-5	320 CFM	14X14	S/A	4W	10"ø	CEILING
R1-5	760 CFM	16X16	R/A	GRID	12"ø	CEILING
R2-5	530 CFM	12X12	R/A	GRID	12"ø	CEILING
R3-5	320 CFM	10X10	R/A	GRID	10"ø	CEILING
R4-5	305 CFM	10X10	R/A	GRID	10"ø	CEILING



LOFT ELECTRICAL PLAN

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

NOTE!
REFER TO SHEETS PME.6 & PME.7 FOR
ELECTRICAL DATA AND DETAILS

Electrical SYMBOLS

POWER

- DUPLEX WALL RECEPTACLE
- DUPLEX WALL RECPT., BELOW COUNTER
- 240V OUTLET
- GFI — GND FAULT INTERRUPTER DUPLEX RECEPT.
- WP GFI — WEATHER PROOF GFI DUPLEX RECEPT.
- QUADRAPLEX WALL RECEPTACLE
- J — JUNCTION BOX
- M — MOTOR (SP - SUBMERSIBLE PUMP)
- ELECTRICAL PANEL
- UP DP — ELECTRICAL PANEL
- EF — EXHAUST FAN
- SD — SMOKE DETECTOR, 120V
- N — NON-FUSED DISC. SWITCH
- CH — CHIME
- MOMENTARY PUSHBUTTON SWITCH, LIGHTED
- T — HVAC THERMOSTAT, @ 60" AFF

LIGHTING

- SPST WALL SWITCH
- 3 — DPDT WALL SWITCH (3-WAY)
- L.E.D. CHANDELIER
- CEILING FAN, W/ L.E.D. LIGHT FIXTURE 4 OR 5 BLADE, DECO.
- 2 STRIP L.E.D. PRISMATIC WRAP SURFACE FIXTURE
- L.E.D. LIGHT FIXTURE
- L.E.D. HIGH HAT DOWN LIGHT
- VP — VAPOR PROOF L.E.D. LIGHT FIXTURE
- H — L.E.D. WALL BRACKET
- INC. ROPE LIGHT W/ 5W LAMPS @ 4" O.C.
- SWITCH/FIXTURE WIRING
- CONTROL WIRE / LOW VOLTAGE
- 36"/120" 9 BLADE INDOOR/OUTDOOR CEILING FAN PER "MODERN FORMS" HYDRA 120" OR "BIG AIR" 36"

REVISION:

DRAWN:
RPG

ASSISTED LIVING FACILITY for
SMITH - SORENSEN
LAKE CITY, COLUMBIA COUNTY, FLORIDA
LOFT PME PLANS

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

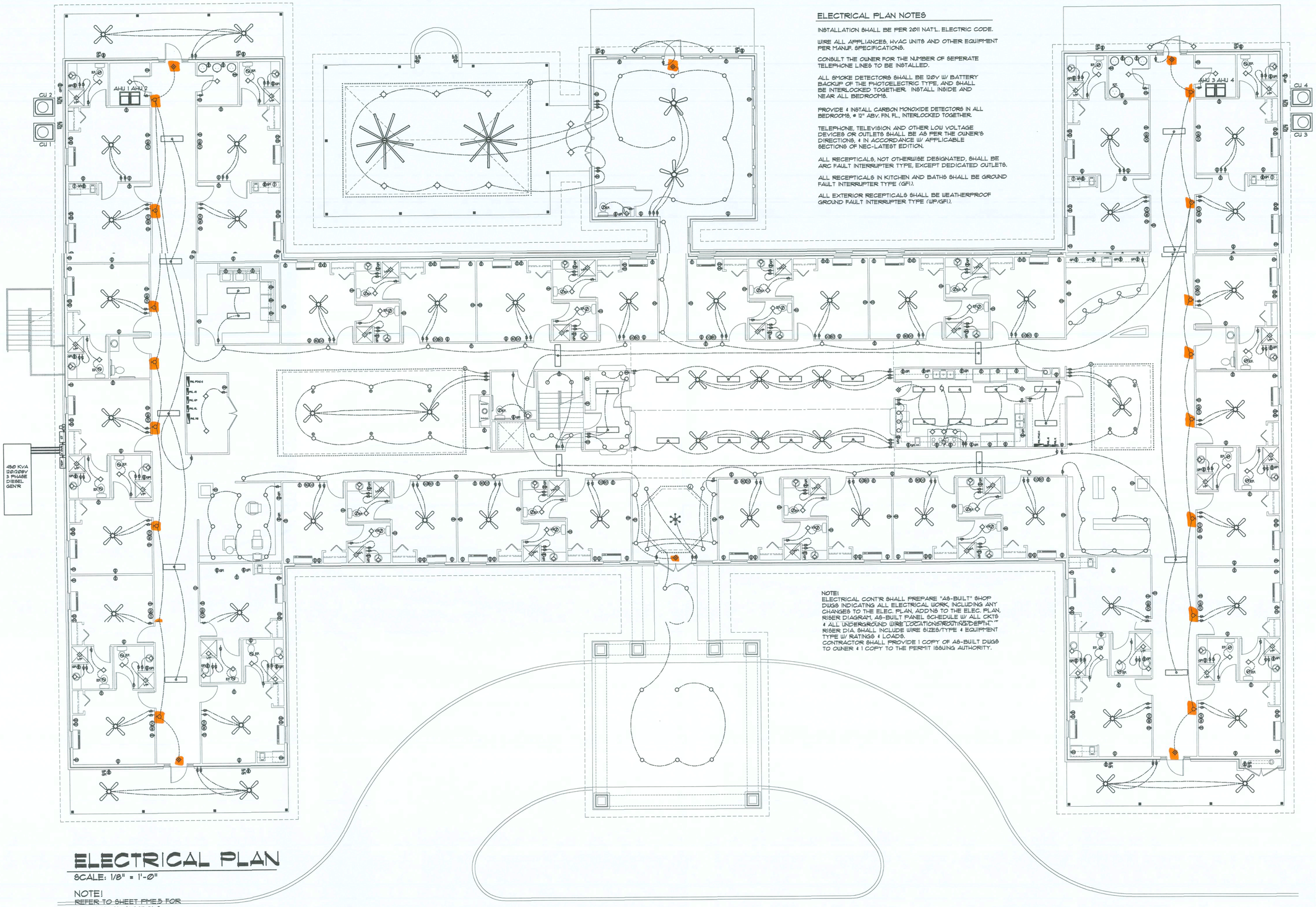
NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386.752.4353

DATE:
19 AUG 2020
COMM:
2K2040

SHEET:
PME.5
5 OF 7

Digitally signed by N. P. GEISLER
DN: CN = N. P. GEISLER C = US
O = AR0007005 OU = ARCHITECT
Date: 2020.08.19 09:11:32 -05'00'

AR0007005



ELECTRICAL PLAN NOTES

INSTALLATION SHALL BE PER 2011 NAT'L. ELECTRIC CODE.

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.

ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.

PROVIDE & INSTALL CARBON MONOXIDE DETECTORS IN ALL BEDROOMS, @ 12" ABV. FIN. FL., INTERLOCKED TOGETHER.

TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

ALL RECEPTICALS, NOT OTHERWISE DESIGNATED, SHALL BE ARC FAULT INTERRUPTER TYPE, EXCEPT DEDICATED OUTLETS.

ALL RECEPTICALS IN KITCHEN AND BATHS SHALL BE GROUND FAULT INTERRUPTER TYPE (GFI).

ALL EXTERIOR RECEPTICALS SHALL BE WEATHERPROOF GROUND FAULT INTERRUPTER TYPE (WP/GFI).

NOTE!
ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS & ALL UNDERGROUND WIRE LOCATIONS/ROUTINGS/DEPTH.'-" RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

ELECTRICAL PLAN

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

NOTE!
REFER TO SHEET PME.5 FOR ELECTRICAL SYMBOLS

REVISION:
02 SEP 2020

DRAWN:
NPG

ASSISTED LIVING FACILITY for
SMITH - SORENSEN
LAKE CITY, COLUMBIA COUNTY, FLORIDA
ELECTRICAL PLAN

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-1135

DATE:
18 AUG 2020

COMM:
2K2040

SHEET:
PME.6
6 OF 7

AR0007005

Digitally signed by: N.P. GEISLER
DN: CN = N.P. GEISLER C = US
O = ARCHITECT O = ARCHITECT
Date: 2020.09.09 12:14 -05'00'

PNL "A1": 125A - MLO - 120/208V - 3Φ - 5W
10K A.I.C. - FLUSH - 42 SLOT

CIR Nr.	LOCATION	TRIP/POLES	WIRE SIZE	LOAD	ΦA KW	ΦB KW	ΦC KW	LOAD	WIRE SIZE	TRIP/POLES	LOCTION	CIR Nr.
1	SUITE Nr.1	20A/1P	12TW	1.86	3.72			1.86	12TW	20A/1P	SUIT Nr.2	2
3	SUITE Nr.3	"	"	1.86		3.72		1.86	"	"	SUIT Nr.4	4
5	SUITE Nr.5	"	"	1.86			3.72	1.86	"	"	SUIT Nr.6	6
7	SUITE Nr.7	"	"	1.86	3.72			1.86	"	"	SUIT Nr.8	8
9	SUITE Nr.9	"	"	1.86		3.72		1.86	"	"	SUIT Nr.10	10
11	SUITE Nr.11	"	"	1.86			3.72	1.86	"	"	SUIT Nr.12A	12
13	SUITE Nr.13A	"	"	1.86	3.72			1.86	"	"	SUIT Nr.12B	14
15	SUITE Nr.13B	"	"	1.86		3.72		1.86	"	"	SUIT Nr.14	16
17	SUITE Nr.15	"	"	1.86			3.72	1.86	"	"	SUIT Nr.16	18
19	SPARE	-	-	0.54	1.08			0.54	-	-	SPRE	20
21	"	-	-	0.54		1.08		0.54	-	-	'	22
23	"	-	-	0.54			1.08	0.54	-	-	'	24
25	SPACE	-	-	0.0	0.0			0.0	-	-	SPCE	26
27						0.0						28
29							0.0					30
31					0.0							32
33						0.0						34
35							0.0					36
37					0.0							38
39						0.0						40
41							0.0					42
					12.24	12.24	12.24					

ΦA 12.24 KW / 120 V = 102.0 AMPERS
ΦB 12.24 KW / 120 V = 102.0 AMPERS
ΦC 12.24 KW / 120 V = 102.0 AMPERS
FEEDER SIZE: 3 * 1 - THW - Cu, 1 * 2 - THW - Cu - Neut.
1 * 4 - Cu - GND, 1½" C.

PNL "A2": 125A - MLO - 120/208V - 3Φ - 5W
10K A.I.C. - FLUSH - 42 SLOT

CIR Nr.	LOCATION	TRIP/POLES	WIRE SIZE	LOAD	ΦA KW	ΦB KW	ΦC KW	LOAD	WIRE SIZE	TRIP/POLES	LOCATION	CIR Nr.
1	SUITE Nr.17	20A/1P	12TW	1.86	3.72			1.86	12TW	20A/1P	SUITE Nr.18	2
3	SUITE Nr.19	"	"	1.86		3.72		1.86	"	"	SUITE Nr.20	4
5	SUITE Nr.21 A	"	"	1.86			3.72	1.86	"	"	SUITE Nr.22 A	6
7	SUITE Nr.21 B	"	"	1.86	3.72			1.86	"	"	SUITE Nr.22 B	8
9	SUITE Nr.23	"	"	1.86		3.72		1.86	"	"	SUITE Nr.24	10
11	SUITE Nr.25	"	"	1.86			3.72	1.86	"	"	SUITE Nr.26	12
13	SUITE Nr.27	"	"	1.86	3.72			1.86	"	"	SUITE Nr.28	14
15	SUITE Nr.29	"	"	1.86		3.72		1.86	"	"	SUITE Nr.30	16
17	SUITE Nr.31	"	"	1.86			3.72	1.86	"	"	SUITE Nr.32	18
19	SUITE Nr.33	"	"	1.86	2.40			0.54	-	-	SPARE	20
21	SPARE	-	-	0.54		1.08		0.54	-	-	"	22
23	"	-	-	0.54			1.08	0.54	-	-	"	24
25	SPACE	-	-	0.0	0.0			0.0	-	-	SPACE	26
27						0.0						28
29							0.0					30
31					0.0							32
33						0.0						34
35							0.0					36
37					0.0							38
39						0.0						40
41							0.0					42
					13.56	12.24	12.24					

ΦA 13.56 KW / 120 V = 113.0 AMPERS
ΦB 12.24 KW / 120 V = 102.0 AMPERS
ΦC 12.24 KW / 120 V = 102.0 AMPERS
FEEDER SIZE: 3 * 1 - THW - Cu, 1 * 2 - THW - Cu - Neut.
1 * 4 - Cu - GND, 1½" C.

PNL "K": 150A - MLO - 120/208V - 3Φ - 5W
10K A.I.C. - FLUSH - 42 SLOT

CIR Nr.	LOCATION	TRIP/POLES	WIRE SIZE	LOAD	ΦA KW	ΦB KW	ΦC KW	LOAD	WIRE SIZE	TRIP/POLES	LOCATION	CIR Nr.
1	KITCHEN/PANT. LTG	20A/1P	12TW	0.77	4.77			4.00	6TW	50A/2P	RANGE/OVEN	2
3	SM APPL RECEPT.	"	"	0.72		4.72		4.00	"	-	W/ CIR Nr. 2	4
5	SM APPL RECEPT.	"	"	0.72			4.72	4.00	"	50A/2P	RANGE/OVEN	6
7	REACH-IN REF.	"	"	1.50	5.50			4.00	"	-	W/ CIR Nr. 6	8
9	REACH-IN REF.	"	"	1.50		1.68		0.18	12TW	20A/1P	EXH. HOOD LTG	10
11	REACH-IN FZR	"	"	1.50			2.25	0.75	"	20A/2P	EXH. HOOD FAN	12
13	REACH-IN FZR	"	"	1.50	2.25			0.75	"	-	W/ CIR Nr. 12	14
15	DISHW.	"	"	1.92		2.59		0.67	"	20A/2P	MUA FAN	16
17	80 GAL EWH	30A/2P	10TW	2.25			2.92	0.67	"	-	W/ CIR Nr. 16	18
19	W/ CIR Nr. 13	-	"	2.25	2.79			0.54	-	-	SPARE	20
21	SERV. COUNTER LTG	20A/1P	12TW	0.25		0.79		0.54	-	-	"	22
23	SPARE	-	-	0.54			1.08	0.54	-	-	"	24
25	ICE MAKER	20A/1P	12TW	1.20	1.74			0.54	-	-	"	26
27	SPACE	-	-	0.0		0.0		0.0	-	-	SPACE	28
29							0.0					30
31					0.0							32
33						0.0						34
35							0.0					36
37					0.0							38
39						0.0						40
41							0.0					42
					17.05	9.78	10.97					

ΦA 17.05 KW / 120 V = 143.1 AMPERS
ΦB 9.78 KW / 120 V = 81.5 AMPERS
ΦC 10.97 KW / 120 V = 91.4 AMPERS
FEEDER SIZE: 3 * 1/0 - THW - Cu, 1 * 1 - THW - Cu - Neut.
1 * 4 - Cu - GND, 2" C.

PNL "PTAC-1": 400A - MLO - 120/208V - 3Φ - 5W
10K A.I.C. - FLUSH - 42 SLOT

CIR Nr.	LOCATION	TRIP/POLES	WIRE SIZE	LOAD	ΦA KW	ΦB KW	ΦC KW	LOAD	WIRE SIZE	TRIP/POLES	LOCTION	CIR Nr.
1	SUITE Nr.1 PTAC	20A/2P	12TW	1.80	3.60			1.80	12TW	20A/2P	SUIT Nr2 PTAC	2
3	W/ CIR Nr.1	"	"	1.80		3.60		1.80	"	"	W/ C Nr.2	4
5	SUITE Nr.3 PTAC	"	"	1.80			3.60	1.80	"	"	SUIT Nr.4 PTAC	6
7	W/ CIR Nr.5	"	"	1.80	3.60			1.80	"	"	W/ C Nr.6	8
9	SUITE Nr.5 PTAC	"	"	1.80		3.60		1.80	"	"	SUIT Nr.6 PTAC	10
11	W/ CIR Nr.9	"	"	1.80			3.60	1.80	"	"	W/ C Nr.10	12
13	SUITE Nr.7 PTAC	"	"	1.80	3.60			1.80	"	"	SUIT Nr.8 PTAC	14
15	W/ CIR Nr.13	"	"	1.80		3.60		1.80	"	"	W/ C Nr.14	16
17	SUITE Nr.9 PTAC	"	"	1.80			3.60	1.80	"	"	SUIT Nr.10 PTAC	18
19	W/ CIR Nr.15	"	"	1.80	3.60			1.80	"	"	W/ C Nr.18	20
21	SUITE Nr.11 PTAC	"	"	1.80		3.60		1.80	"	"	SUIT Nr.12A PTAC	22
23	W/ CIR Nr.21	"	"	1.80			3.60	1.80	"	"	W/ C Nr.22	24
25	SUITE Nr.13A PTAC	"	"	1.80	3.60			1.80	"	"	SUIT Nr.12B PTAC	26
27	W/ CIR Nr.25	"	"	1.80		3.60		1.80	"	"	W/ C Nr.26	28
29	SUITE Nr.13B PTAC	"	"	1.80			3.60	1.80	"	"	SUIT Nr.14 PTAC	30
31	W/ CIR Nr.29	"	"	1.80	3.60			1.80	"	"	W/ C Nr.30	32
33	SUITE Nr.15 PTAC	"	"	1.80		3.60		1.80	"	"	SUIT Nr.16 PTAC	34
35	W/ CIR Nr.33	"	"	1.80			3.60	1.80	"	"	W/ C Nr.34	36
37	SPARE	-	-	0.54	1.08			0.54	-	-	SPAE	38
39	"	-	-	0.54		1.08		0.54	-	-	"	40
41	"	-	-	0.54			1.08	0.54	-	-		42
					22.68	22.68	22.68					

ΦA 22.68 KW / 120 V = 189.0 X 125% D.F. = 236.3 A.
ΦB 22.68 KW / 120 V = 189.0 X 125% D.F. = 236.3 A.
ΦC 22.68 KW / 120 V = 189.0 X 125% D.F. = 236.3 A.
FEEDER SIZE: 3 * 250 MCM - THW - Cu, 1 * 3/0 - THW - Cu - Neut.
1 * 2 - Cu - GND, 2½" C.

PNL "PTAC-2": 400A - MLO - 120/208V - 3Φ - 5W
10K A.I.C. - FLUSH - 42 SLOT

CIR Nr.	LOCATION	TRIP/POLES	WIRE SIZE	LOAD	ΦA KW	ΦB KW	ΦC KW	LOAD	WIRE SIZE	TRIP/POLES	LOCATION	CIR Nr.
1	SUITE Nr.17 PTAC	20A/2P	12TW	1.80	3.60			1.80	12TW	20A/2P	SUITE Nr.18 PTAC	2
3	W/ CIR Nr.1	"	"	1.80		3.60		1.80	"	"	W/ CIR Nr.2	4
5	SUITE Nr.19 PTAC	"	"	1.80			3.60	1.80	"	"	SUITE Nr.20 PTAC	6
7	W/ CIR Nr.5	"	"	1.80	3.60			1.80	"	"	W/ CIR Nr.6	8
9	SUITE Nr.21A PTAC	"	"	1.80		3.60		1.80	"	"	SUITE Nr.22A PTAC	10
11	W/ CIR Nr.9	"	"	1.80			3.60	1.80	"	"	W/ CIR Nr.10	12
13	SUITE Nr.21 B PTAC	"	"	1.80	3.60			1.80	"	"	SUITE Nr.22B PTAC	14
15	W/ CIR Nr.13	"	"	1.80		3.60		1.80	"	"	W/ CIR Nr.14	16
17	SUITE Nr.23 PTAC	"	"	1.80			3.60	1.80	"	"	SUITE Nr.24 PTAC	18
19	W/ CIR Nr.17	"	"	1.80	3.60			1.80	"	"	W/ CIR Nr.18	20
21	SUITE Nr.25 PTAC	"	"	1.80		3.60		1.80	"	"	SUITE Nr.26 PTAC	22
23	W/ CIR Nr.21	"	"	1.80			3.60	1.80	"	"	W/ CIR Nr.22	24
25	SUITE Nr.27 PTAC	"	"	1.80	3.60			1.80	"	"	SUITE Nr.28 PTAC	26
27	W/ CIR Nr.25	"	"	1.80		3.60		1.80	"	"	W/ CIR Nr.26	28
29	SUITE Nr.29 PTAC	"	"	1.80			3.60	1.80	"	"	SUITE Nr.30 PTAC	30
31	W/ CIR Nr.29	"	"	1.80	3.60			1.80	"	"	W/ CIR Nr.30	32
33	SUITE Nr.31 PTAC	"	"	1.80		3.60		1.80	"	"	SUITE Nr.32 PTAC	34
35	W/ CIR Nr.33	"	"	1.80			3.60	1.80	"	"	W/ CIR Nr.34	36
37	SUITE Nr.33 PTAC	-	-	1.80	2.34			0.54	-	-	SPARE	38
39	W/ CIR Nr.37	-	-	1.80		2.34		0.54	-	-	"	40
41	SPARE	-	-	0.54			1.08	0.54	-	-	"	42
					23.94	23.94	22.68					

ΦA 23.94 KW / 120 V = 199.5 X 125% D.F. = 249.4 A.
ΦB 23.94 KW / 120 V = 199.5 X 125% D.F. = 249.4 A.
ΦC 22.68 KW / 120 V = 189.0 X 125% D.F. = 236.3 A.
FEEDER SIZE: 3 * 250MCM - THW - Cu, 1 * 3/0 - THW - Cu - Neut.
1 * 2 - Cu - GND, 2½" C.

PNL "ME": 400A - MLO - 120/208V - 3Φ - 5W
10K A.I.C. - FLUSH - 42 SLOT

CIR Nr.	LOCATION	TRIP/POLES	WIRE SIZE	LOAD	ΦA KW	ΦB KW	ΦC KW	LOAD	WIRE SIZE	TRIP/POLES	LOCATION	CIR Nr.
1	CU Nr.1	50A/2P	6TW	(1.93)	4.40			4.40	4TW	60A/2P	AHU Nr.1	2
3	W/ CIR Nr. 1	-	"	(1.93)		4.40		4.40	"	-	W/ CIR Nr. 2	4
5	CU Nr.2	50A/2P	"	(1.93)			4.40	4.40	"	60A/2P	AHU Nr.2	6
7	W/ CIR Nr. 5	-	"	(1.93)	4.40			4.40	"	-	W/ CIR Nr. 6	8
9	CU Nr.3	50A/2P	6TW	(2.33)		5.40		5.40	4TW	60A/2P	AHU Nr.3	10
11	W/ CIR Nr. 9	-	"	(2.33)			5.40	5.40	"	-	W/ CIR Nr. 10	12
13	CU Nr.4	50A/2P	"	(1.93)	4.40			4.40	"	60A/2P	AHU Nr.4	14
15	W/ CIR Nr. 12	-	"	(1.93)		4.40		4.40	"	-	W/ CIR Nr. 14	16
17	50 GAL EWH 1	30A/2P	10TW	2.25			4.50	2.25	10TW	30A/2P	50 GAL EWH 4	18
19	W/ CIR Nr. 13	-	"	2.25	4.50			2.25	"	-	W/ CIR Nr. 10	20
21	50 GAL EWH 2	30A/2P	"	2.25		4.50		2.25	"	30A/2P	50 GAL EWH 5	22
23	W/ CIR Nr. 13	-	"	2.25			4.50	2.25	"	-	W/ CIR Nr. 14	24
25	50 GAL EWH 3	30A/2P	"	2.25	4.50			2.25	"	30A/2P	50 GAL EWH 6	26
27	W/ CIR Nr. 17	-	"	2.25		4.50		2.25	"	-	W/ CIR Nr. 18	28
29	HW RECIRC'N PUMPS	20A/1P	12TW	0.54			1.08	0.54	-	-	HW RECIRC'N PUMPS	30
31	SPARE	-	-	0.54	1.08			0.54	-	-	SPARE	32
33	"	-	-	0.54		1.08		0.54	-	-	"	34
35	"	-	-	0.54			1.08	0.54	-	-	"	36
37	SPACE	-	-	0.0	0.0			0.0	-	-	SPACE	38
39	"	-	-	0.0		0.0		0.0	-	-	"	40
41	"	-	-	0.0			0.0	0.0	-	-	"	42
					23.28	24.28	20.96					

ΦA 23.28 KW / 120 V = 194.0 X 125% D.F. = 242.5 A.
ΦB 24.28 KW / 120 V = 202.3 X 125% D.F. = 252.9 A.
ΦC 20.96 KW / 120 V = 174.7 X 125% D.F. = 218.4 A.
FEEDER SIZE: 3 * 300MCM - THW - Cu, 1 * 3/0 - THW - Cu - Neut.
1 * 2 - Cu - GND, 3" C.

PNL "HL": 100A - MLO - 120/208V - 3Φ - 5W
10K A.I.C. - FLUSH - 42 SLOT

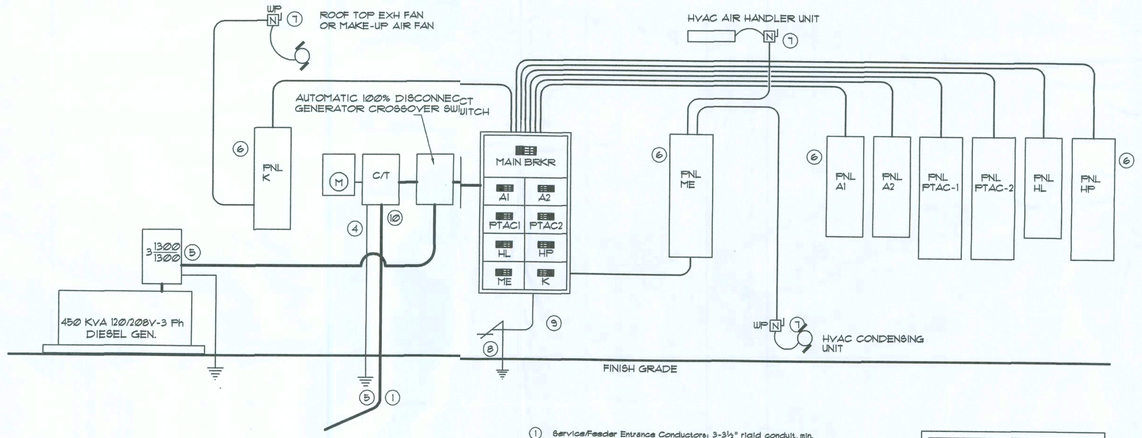
CIR Nr.	LOCATION	TRIP/POLES	WIRE SIZE	LOAD	ΦA KW	ΦB KW	ΦC KW	LOAD	WIRE SIZE	TRIP/POLES	LOCION	CIR Nr.
1	LOBBY CHAND.	20A/1P	12TW	0.60	1.03			0.43	12TW	20A/1P	MEC RM. LTG	2
3	LOBBY CAN LTG	"	"	0.11		0.32		0.21	"	"	STOAGE RM. LTG	4
5	LOBBY ROPE LTG	"	"	0.48			0.96	0.48	"	"	DINI FLU LTG	6
7	PASSAGE SCONCE	"	"	0.31	1.08			0.77	"	"	DINI CLG FANS	8
9	PASSAGE SCONCE	"	"	0.34		1.78		1.44	"	"	DINI CLG FANS	10
11	PASSAGE SCONCE	"	"	0.29			0.61	0.32	"	"	LAUDRY LTG	12
13	LIV'G ROPE LTG	"	"	0.98	1.22			0.24	"	"	BEATY SHOP LTG	14
15	LIV'G CLG FANS	"	"	0.72		0.94		0.22	"	"	LIBRRY LTG	16
17	READ'G ROPE LTG	"	"	0.98			1.12	0.14	"	"	COFE SHOP LTG	18
19	READ'G CLG FANS	"	"	0.72	1.04			0.32	"	"	HALREST ROOM	20
21	ACTIVITY RM. LTG	"	"	0.17		0.49		0.32	"	"	HALREST ROOM	22
23	ACTIVITY CLG FAN	"	"	0.36			0.68	0.32	"	"	ACTITY REST ROOM	24
25	ENTRY DRIVE LTG	"	"	0.16	0.80			0.64	"	"	OFFI REST ROOMS	26
27	PORCH CLG FANS	"	"	0.72		1.36		0.64	"	"	MAIN. OFFICE LTG	28
29	PORCH CLG FANS	"	"	0.72			1.39	0.67	"	"	SPAREA / R/R	30
31	SPARE	-	-	0.54	1.08			0.54	"	"	PAV.ION LTG	32
33	"	-	-	0.54		1.08		0.54	-	-	SPAE	34
35	"	-	-	0.54			1.08	0.54	-	-	"	36
37	PAVLLION CLG FAN	20A/1P	12TW	0.40	1.08			0.68	12TW	20A/1P	LOFOFFICE LTG	38
39	"	"	"	0.40		1.08		0.68	"	"	"	40
41	HALL LED WRAP LTG	"	"	0.54			1.08	0.54	"	"	HALLED WRAP LTG	42
					7.33	7.05	6.92					

ΦA 7.33 KW / 120 V = 61.1 AMPERS
ΦB 7.05 KW / 120 V = 58.8 AMPERS
ΦC 6.92 KW / 120 V = 57.7 AMPERS
FEEDER SIZE: 3 * 3 - THW - Cu, 1 * 2 - THW - Cu - Neut.
1 * X - Cu - GND, 1¼" C.

PNL "HP": 200A - MLO - 120/208V - 3Φ - 5W
10K A.I.C. - FLUSH - 42 SLOT

CIR Nr.	LOCATION	TRIP/POLES	WIRE SIZE	LOAD	ΦA KW	ΦB KW	ΦC KW	LOAD	WIRE SIZE	TRIP/POLES	LOCAION	CIR Nr.
1	GEN. PURP. RECEPT.	20A/1P	12TW	1.26	1.66			0.54	12TW	20A/1P	HVACERV. RECEPT.	2
3	GEN. PURP. RECEPT.	"	"	1.26		1.66		0.54	"	"	HVACERV. RECEPT.	4
5	GEN. PURP. RECEPT.	"	"	1.26			2.46	1.20	"	"	EWC	6
7	LIVING FL. RECEPT	"	"	1.08	2.28			1.20	"	"	FUT. CAIR LIFT	8
9	READ'G FL. RECEPT.	"	"	0.72		1.92		1.20	"	"	W/ CI NR. 8	10
11	1st FL. OFFICE RECEPT.	"	"	1.80			2.52	0.72	"	"	PORC GFI RECEPT.	12
13	COFFEE REF.	"	"	1.20	1.56			0.36	"	"	BEAU GP RECEPT.	14
15	COFFEE ICE MKR.	"	"	1.20		1.56		0.36	"	"	BEAU GP RECEPT.	16
17	COFFEE BREW	"	"	1.50			3.00	1.50	12TW	20A/2P	BEAU HAIR DRYER	18
19	COFFEE TOASTER	"	"	1.50	3.00			1.50	"	-	W/ CI Nr.18	20
21	WASHER	"	"	1.50		4.70		3.20	10TW	30A/2P	DRYR Nr.1	22
23	WASHER	"	"	1.50			4.70	3.20	"	-	W/CIRNr. 22	24
25	WASHER	"	"	1.50	4.70			3.20	"	30A/2P	DRYR Nr.2	26
27	LAUNDRY RECEPT	"	"	0.18		3.38		3.20	"	-	W/CIRNr. 26	28
29	DINING GP RECEPT.	"	"	0.54			3.14	3.20	"	30A/2P	DRYR Nr3	30
31	EWC	"	"	0.72	3.94			3.20	"	-	W/CIRNr. 30	32
33	LOFT OFF. RECEPT	"	"	1.08		1.62		0.54	-	-	SPAF	34
35	"	"	"	1.08			1.62	0.54	-	-	"	36
37	SPARE	-	-	0.54	1.08			0.54	-	-	"	38
39	"	-	-	0.54		1.08		0.54	-	-	"	40
41							1.08					42
					18.22	15.92	19.12					

ΦA 18.22 KW / 120 V = 151.8 AMPERS
ΦB 15.92 KW / 120 V = 132.7 AMPERS
ΦC 19.12 KW / 120 V = 159.3 AMPERS
FEEDER SIZE: 3 * 3/0 - THW - Cu, 1 * 2/0 - THW - Cu - Neut.
1 * 4 - Cu - GND, 2" C.



LOAD COMPUTATION - SERVICE SIZE

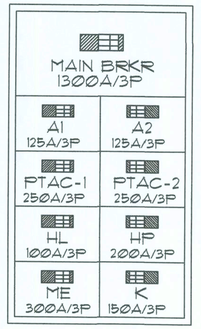
LOAD	ΦA KW	ΦB KW	ΦC KW
PNL "A1"	12.24	12.24	12.24
PNL "A2"	13.56	12.24	12.24
PNL "HL"	7.33	7.05	6.92
PNL "HP"	18.22	15.92	19.12
PNL "K"	17.05	9.78	10.97
PNL "ME" (D.F.)	29.10	31.00	26.20
PNL "PTAC-1" (D.F.)	28.40	28.40	28.40
PNL "PTAC-2" (D.F.)	29.90	29.90	28.40
TOTAL LOAD - KW:	155.80	146.53	144.49
TOTAL LOAD - AMPERS:	1298.3	1221.1	1204.1

SERVICE SIZE W/ PARALLEL CONDUCTORS:
155.80 KW + 146.53 KW + 144.49 KW / 360V = 446.82 KW / 360V = 1241.2 AMPERS
3 - 4" CONDUITS, EACH WITH: 4 - 500 MCM THHN - AL
4 - 350 MCM THHN - AL - NEUT & 1 - #3/0 - AL - GND

① Service/Feeder Entrance Conductors: 3-3½" rigid conduit, min. 18" deep, w/ continuous Ground Bonding Conductor, Service/Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
② Meter Enclosure, weatherproof, U.L. Listed.
③ Main Disconnect Switch: fused or Main BRKR, weatherproof, U.L. Listed.
④ Service entrance Ground: ⅝" Φ iron/steel rod x 8'-0" long and/or concrete encased foundation steel rebar x 20'-0" long. Grounding Conductor shall be bonded to each piece of Service/Entrance Equipment, and shall be sized per Item #5, below.
⑤ 1000 AMPERE SERVICE: Refer to SERVICE COMPUTATIONS
⑥ Panelboard (PNL), U.L. Listed, sized per schedule.
⑦ Equipment Disconnect Switch: non-fused, in weatherproof enclosure, size according to Panel Schedule loads.
⑧ Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.
⑨ Main Distribution Panel: Refer to layout at left
⑩ Current Transformer: Refer to Utility Company for requirements, Contact Clay Electrical Cooperative

NOTE!
THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS AND DISCONNECT SWITCHES SHALL BE 22,000 AIC.

Electrical Riser DIAGRAM: 1300A
SCALE: NONE



M.D.P. Layout
SCALE: NONE

ELECTRICAL NOTES: General

1. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER.
2. INSTALL ALL ELECTRICAL WORK IN CONFORMANCE WITH THE NEC 1997 EDITION, AND IT'S AMENDMENTS AS ADOPTED BY THE PERMIT ISSUING AUTHORITY AT THE TIME OF CONSTRUCTION.
3. GROUNDING: GROUND ALL MAIN DISCONNECTS TO STANDARD GROUND ROD(S) AND TO COLD WATER SUPPLY AS PER ARTICLE 250 OF NEC-1994.
4. INSTALL ONLY COPPER WIRING ON THIS PROJECT: THW, TW, THWN, THHN OR NM CABLE, UNLESS NOTED OTHERWISE. ALL CONDUCTORS #10 & SMALLER MAY BE SOLID. ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED TYPE.
5. PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPENINGS OF NEUTRAL IN REPLACEMENT OF A DEVICE.
6. COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL - WHITE, GROUND - GREEN, LINE - ALL OTHER COLORS.
7. INSTALL ONLY HIGH POWER FACTOR BALLASTS AT FLUORESCENT FIXTURES.
8. INSTALL GFI BREAKERS OF DEVICES AT ALL BATHROOM, RESTROOM, KITCHEN, GARAGE AND EXTERIOR RECEPTACLES AND AS NOTED ON THE DRAWINGS.
9. INSTALL ONLY THOSE ELECTRICAL DEVICES THAT BEAR A "UL" OR OTHER RECOGNIZED TESTING LAB LABEL. ALL MATERIALS SHALL BE NEW.
10. INSTALL NON-FUSED DISCONNECT SWITCHES AT ALL PIECES OF ELECTRICAL EQUIPMENT LOCATED WHERE SAID EQUIPMENT IS NOT VISIBLE FROM THE CIRCUIT BREAKER THAT PROTECTS IT: SIZE IN ACCORD WITH THE LOAD. ALL DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE - QUICK-BREAK TYPE - ENCLOSURES SHALL BE AS REQ'D FOR EXPOSURE.
11. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVERLOAD RELAYS IN EACH HOT LEG.
12. ISOLATE DISSIMILAR CONDUIT AND TUBING METALS FROM SOIL, WATER AND GAS PIPING AND OTHER BUILDING MATERIALS WHERE DAMAGE BY FRICTION OR ELECTROLYSIS MAY OCCUR, EXCEPT WHERE ELECTRICAL GROUND IS PROVIDED.
13. FURNISH AND INSTALL ALL ELECTRICAL DEVICES AND ITEMS REQUIRES FOR A COMPLETE, OPERATING SYSTEM, PROVIDING THE FUNCTIONS AS DETAILED IN THE PLANS (AND SPECS).
14. OUTLET BOXES SHALL BE PRESSED STEEL OR PLASTIC OR ALL DRY LOCATIONS. FOR WET LOCATIONS, CAST ALLOY WITH THREADED HUB OUTLET BOXES SHALL BE INSTALLED.
15. HOT CHECK ALL SYSTEMS WITH THE OWNER'S REPRESENTATIVE PRESENT TO VERIFY PROPER FUNCTION PRIOR TO C.O.
16. COORDINATE ALL WORK THROUGH GC TO AVOID CONFLICTS. COORDINATE WITH HVAC CONTRACTOR AND ELECTRONICS SYSTEMS CONTRACTORS SO THAT A COMPLETE, FUNCTIONING SYSTEM IS INSTALLED, IN EACH CASE, WITH NO EXTRA COST TO THE OWNER.
17. EMERGENCY LIGHTING AND EXIT SIGNS, IF INDICATED ON THE PLANS, SHALL BE WIRED PER NEC 700-12F.
18. ALL PANEL SCHEDULES SHALL BE FULLY FILLED OUT AND SHALL BE TYPEWRITTEN. EA. CIRCUIT SHALL BE CLEARLY IDENTIFIED A TO WHAT IS INCLUDED ON SAID CIRCUIT.
19. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION.
20. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF THE POWER COMPANY & TELEPHONE COMPANY.
21. FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR HVAC SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY THE HVAC CONTRACTOR, AND CONNECTED BY THE ELECTRICAL CONTRACTOR.
22. ALL RACEWAYS BELOW GROUND SHALL BE A MINIMUM OD 3/4".
23. ALL CIRCUIT BREAKERS, TWO AND THREE POLE, SHALL BE COMMON TRIP. NO TIE-HANDLES OR TANDEMS SHALL BE ACCEPTABLE.
24. ALL FUSES, UNLESS NOTED OTHERWISE ON THE DRAWINGS, SHALL BE CURRENT LIMITED TYPE (C.L.) RATED 200,000 AIC.
25. ELECTRICAL CONTRACTOR SHALL VERIFY ALL COMPONENTS FOR ALL ELECTRICAL APPLICATIONS & DETERMINE THE CORRECTNESS OF SAME. ANY DISCREPANCY SHALL BE REPORTED TO THE OWNER PRIOR TO FABRICATING ANY MATERIALS, ORDERING COMPONENTS OR DOING ANY WORK.
26. CIRCUITS ON PANEL SCHEDULE (AND PLANS) ARE TO DETERMINE LOAD DATA AND SIZE. THE CONTRACTOR SHALL PROVIDE CIRCUITS AND ROUTING OF CONDUITS AND WIRING TO SUIT JOB CONDITIONS, AND BALANCE THE JOB, THROUGHOUT.
27. CHECK EQUIPMENT FOR PROPER VOLTAGE, PHASE AND AMPERAGE RATING PRIOR TO CONNECTION TO CIRCUITS.
28. PANEL BOARDS SHALL BE CIRCUIT BREAKER TYPE. VERIFY NUMBER AND SIZES OF CIRCUITS.
29. WHEN CONDUIT RUNS EXCEED 200 FEET, PULL BOXES SHALL BE INSTALLED SO THAT NO PULL EXCEEDS THIS DISTANCE.
30. ELECTRICAL EQUIPMENT AIC RATING AND FEEDER SIZE SHOWN ON THE PLANS ARE DESIGNED FOR MAX. AVAILABLE FAULT CURRENT AND MAX. ALLOWABLE VOLTAGE DROP, RESPECTIVELY.

NOTE!
ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

Digitally signed by N. P. GEISLER
DN: CN = N. P. GEISLER C = US
O = AR0007005 OU = ARCHITECT
Date: 2020.09.03 06:13:04 -05'00'

REVISION:
02 SEP 2020

DRAWN:
npg

ASSISTED LIVING FACILITY for
GRANDE CYPRESS
LAKE CITY, COLUMBIA COUNTY, FLORIDA
ELECTRICAL PANELS, NOTES & SYMBOLS

Celebrating
48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS
PAUL
GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-365-4355

DATE
18 AUG 2020
COMM:
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PME.7
7 OF 7

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