DRAWING NOTE

APPROVAL OF THESE DRAWINGS INDICATES THAT THEY HAVE BEEN INTERPRETED CORRECTLY AND HAVE APPLIED THE REQUIREMENTS OF THE CONTRACTS DRAWINGS AND SPECIFICATIONS. WHERE DISCREPANCIES EXIST BETWEEN THESE DRAWINGS AND THE DRAWINGS FOR OTHER TRADES, THE STRUCTURAL STEEL DRAWINGS SHALL GOVERN.

DESIGN NOTE

DESIGN OF ANY MATERIALS IN THE STRUCTURE, WHICH ARE NOT FURNISHED BY THE MANUFACTURER, ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ENGINEERS OTHER THAN THE MANUFACTURER, UNLESS SPECIFICALLY INDICATED.

INSTALLATION NOTES

- FIELD CUTTING OF COMPONENTS IS REQUIRED FOR FITMENT.
- ROOF PANEL LAPS MUST BE SEALED WITH MASTIC TAPE (PROVIDED).
- PANELS AND TRIM ARE RECOMMENDED TO BE SET 1/8" ABOVE CONCRETE SURFACE.
- FLASHING MUST BE LAPPED A MINIMUM 2" AND
- SEALED AS NEEDED FOR WATER RESISTANCE.
- ALLOW 1/2" TOLERANCE FOR GIRTS AND HEADERS

BUILDING LAYOUT

WIDTH (ft.): LENGTH (ft.): EAVE HEIGHT (ft.): ROOF SLOPE (Rise/12):

40 325 16 HS 0.5

PANEL SELECTION

ROOF: SS-II 24 Ga. Steel Gray. SSX 26 Ga. Hawaiian Blue. WALL: PARTITION: REVERSE-LRX 29 Ga. Galv. LINER: None

FBO

FOS

FT

GA

GC

GR

ΗT

INS INT

INFC

JT

MIN

MTL

NIC

NTS

NA

NO

STANDARD ABBREVIATIONS

EJ EXPANSION JOINT EL ELEVATION EXIST EXISTING EXP EXPANSION EXT EXTERIOR	AFF APPR BLDG BLK BM BOT BLK C/L CJ CLG COL CONC CTR DBL DET DIA DWG DIM DR EA ET	ABOVE FINISHED FLOOR APPROXIMATE BUILDING BLOCK BEAM BOTTOM BLOCK CENTERLINE CAULK JOINT CEILING COLUMN CONCRETE CENTER DOUBLE DETAIL DIAMETER DRAWING DIMENSION DOOR EACH ERECTION TOLERANCE
EA EACH ET ERECTION TOLERANCE EJ EXPANSION JOINT EL ELEVATION EXIST EXISTING EXP EXPANSION EXT EXTERIOR	DIM	
ET ERECTION TOLERANCE EJ EXPANSION JOINT EL ELEVATION EXIST EXISTING EXP EXPANSION EXT EXTEDIOD	EA	EACH
EJ EXPANSION JOINT EL ELEVATION EXIST EXISTING EXP EXPANSION EXT EXTERIOR	ET	ERECTION TOLERANCE
EL ELEVATION EXIST EXISTING EXP EXPANSION EXT EXTEDIOD	EJ	EXPANSION JOINT
EXIST EXISTING EXP EXPANSION EXT EXTEDIOD	EL	ELEVATION
EXP EXPANSION	EXIST	EXISTING
FXI EXTEDIOD	EXP	EXPANSION
	EXI	EXTERIOR

EOS EDGE OF SLAB FURNISHED BY OTHERS FND FOUNDATION FOB FACE OF BLOCK / BRICK FACE OF STEEL FOOT / FEET FTG FOOTING GAUGE GALV GALVANIZED GENERAL CONTRACTOR GRND GROUND GRADE GYP GYPSUM WALL BOARD HORIZONTAL HORIZ HEIGHT INSULATION INTERIOR INFORMATION JOINT MAX MAXIMUM MINIMUM MISC MISCELLANEOUS METAL NOT IN CONTRACT NOT TO SCALE NOT APPLICABLE NUMBER

ON CENTER OUTSIDE DIAMETER OPPOSIT PARTITION RADIUS REFERENCE REQUIRED REINFORCED ROUGH OPENING SECTION SQUARE FOOTAGE SIMILAR SQUARE STANDARD STEEL TOP OF BEAM TOP OF CONCRET TOP OF STEEL TOP OF WALL TYPICAL UNLESS NOTED OTHERWISE VARIES VERTICAL VERIFY IN FIELD WITHOUT

OVERALL

ОA

0C

OD

OPP

PTN

RAD

REF

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TOW

SECT

RESPONSIBILITIES

1. THE BUILDING MANUFACTURER'S CUSTOMER, HEREAFTER REFERRED TO AS THE "CUSTOMER", OBTAINS AND PAYS FOR ALL BUILDING PERMITS LICENSES, PUBLIC ASSESSMENTS, PAVING OR UTILITY PRO RATA, UTILITY CONNECTIONS, OCCUPANCY FEES AND OTHER FEES REQUIRED BY ANY GOVERNMENTAL AUTHORITY OR UTILITY IN CONNECTION WITH THE WORK PROVIDED FOR IN THE CONTRACT DOCUMENTS. THE CUSTOMER PROVIDES AT HIS EXPENSE ALL PLANS AND SPECIFICATIONS REQUIRED TO OBTAIN A BUILDING PERMIT. IT IS THE CUSTOMER'S RESPONSIBILITY TO ENSURE THAT ALL PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES

2. THE CUSTOMER IS RESPONSIBLE FOR IDENTIFYING ALL APPLICABLE BUILDING CODES, ZONING CODES, OR OTHER REGULATIONS APPLICABLE TO THE CONSTRUCTION PROJECT, INCLUDING THE METAL BUILDING SYSTEM

3. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO INTERPRET ALL ASPECTS OF THE END USER'S SPECIFICATIONS AND INCORPORATE THE APPROPRIATE SPECIFICATION, DESIGN CRITERIA, AND DESIGN LOADS INTO THE ORDER DOCUMENTS SUBMITTED TO THE BUILDING MANUFACTURER

4. IT IS THE RESPONSIBILITY OF THE BUILDING MANUFACTURER TO FURNISH THE METAL BUILDING SYSTEM TO MEET THE SPECIFICATIONS INCLUDING THE DESIGN CRITERIA AND DESIGN LOADS INCORPORATED BY THE CONTRACTOR INTO THE ORDER DOCUMENTS. THE BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR MAKING AN INDEPENDENT DETERMINATION OF ANY LOCAL CODES OR ANY OTHER REQUIREMENTS NOT PART OF THE ORDER DOCUMENTS

5. THE BUILDING MANUFACTURER'S STANDARD SPECIFICATIONS APPLY UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS. THE BUILDING MANUFACTURER'S DESIGN. FABRICATION. QUALITY CRITERIA. STANDARDS. PRACTICE. METHODS AND TOLERANCES SHALL GOVERN THE WORK ANY OTHER INTERPRETATIONS TO THE CONTRARY NOTWITHSTANDING. IT IS UNDERSTOOD BY BOTH PARTIES THAT THE CUSTOMER IS RESPONSIBLE FOR CLARIFICATIONS OF INCLUSIONS OR EXCLUSIONS FROM THE ARCHITECTURAL PLANS.

6. IN CASE OF DISCREPANCIES BETWEEN BUILDING MANUFACTURER'S STRUCTURAL STEEL PLANS AND PLANS FOR OTHER TRADES, THE BUILDING MANUFACTURER'S SHALL GOVERN PER CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES IN THE AISC 330-10: SECTION 3.3

7. THE CUSTOMER IS RESPONSIBLE FOR OVERALL PROJECT COORDINATION. ALL INTERFACE, COMPATIBILITY AND DESIGN CONSIDERATIONS CONCERNING ANY MATERIALS NOT FURNISHED BY BUILDING MANUFACTURER AND THE BUILDING MANUFACTURER'S STEEL SYSTEM ARE TO BE CONSIDERED AND COORDINATED BY THE CUSTOMER. SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS MUST BE FURNISHED BEFORE THI RELEASE FOR FABRICATION OR THE BUILDING MANUFACTURER'S ASSUMPTIONS WILL GOVERN.

8. ANCHOR RODS AND FOUNDATION EMBEDMENT ARE DESIGNED, FURNISHED, AND SET BY THE CUSTOMER IN ACCORDANCE WITH AN APPROVED DRAWING. DIMENSIONAL ACCURACY SHALL SATISFY THE REQUIREMENT OF SECTIONS 7.5.1 OF CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES IN THE AISC 330-10.

9. ALL OTHER EMBEDDED ITEMS OR CONNECTION MATERIALS BETWEEN THE STRUCTURAL STEEL AND THE WORK OF OTHER TRADES ARE LOCATED AND SET BY THE CUSTOMER IN ACCORDANCE WITH APPROVED LOCATION ON ERECTION DRAWINGS. ACCURACY OF THESE ITEMS MUST SATISFY THE ERECTION TOLERANCE REQUIREMENTS.

10. THE BUILDING MANUFACTURER DOES NOT INVESTIGATE THE INFLUENCE OF THE METAL BUILDING SYSTEMS ON EXISTING BUILDINGS OR STRUCTURES. THE END CUSTOMER ASSURES THAT SUCH BUILDINGS AND STRUCTURES ARE ADEQUATE TO RESIST SNOW DRIFTS, WIND LOADS, OR OTHER CONDITIONS AS A RESULT OF THE PRESENCE OF THE METAL BUILDING SYSTEMS

FUQUAY VARINA, NC 27526 (BUILDING-BR1)

STRUCTURAL ABBREVIA

ΒA

BC

С

DH

DJ

EC

ES

FC

HA

JR

М

ΡA

РС

RA

RC

RS

Z4

Z6

Z8

Z10

Z12

SPD

MCLP

C64

ASE ANGLE ASE CHANNEL ' COLUMN ' COLUMN OOR HEADER OOR JAMB AVE CHANNEL AVE STRUT LOOR CLIP IRT ALL ANGLE ACK RAFTER ULLION INI CLIP ARTITION ANGLE AKE ANGLE AKE ANGLE AKE CLIP DGE STRUT ASE ANGLE ' Z PURLIN ' Z PURLIN	L 4216 - 4" x 2" x 16 U 42516 - 4 1/8" x 2 C 4216 - 4" x 2" x 16 C 4216 - 6" x 4" x 1 C 4216 - 4" x 2" x 16 C 43516 - 4" x 2" x 16 C 43516 - 4" x 3 1/2 U 42514 - 4 1/8" x 2 E S 6 4 16 - 6" x 4" x Manufactured Part C 4216 - 4" x 2" x 16 C 62516 - 6" x 2 1/2 C 12416 - 12" x 4" x Manufactured Part L 4216 - 4" x 2" x 16 C 2218 - 2" x 2" x 16 C 2218 - 2" x 2" x 16 C 2218 - 4" x 2" x 16 Manufactured Part R S 6 4 16 - 6" x 4" x S P D 4 2 16 - 4" x 2 1/2 Z 6 2 5 16 - 6" x 2 1/2 C 2 5 1
ASE ANGLE ' 7 PURI IN	SPD42216 - 4" x 2" 742516 - 4" x 2 1/2
' Z PURLIN	Z62516 - 6" x 2 1/2
'Z PURLIN	Z82516 - 8" x 2 1/2
)" Z PURLIN	Z102516 - 10" x 2
2" Z PURLIN	Z122516 - 12" x 2 1

DRAWING SCHEDULE

1	LEAD SHEET, GENERAL NOTES, SCHE
2	EXTERIOR ELEVATION PLAN
3	SLAB PLAN
4	FLOOR PLAN
5	FRAMING PLAN
5A	GIRT SPACING
6	PARTITION PLAN
7	RAFTER PLAN
7.1	RAFTER DETAILS
8	ROOF PLAN

BUILDING LOADS

CODE: DEAD LOAD: COLLATERAL LOAD: LIVE LOAD: GROUND SNOW LOAD: ROOF SNOW LOAD: WIND SPEED: CLOSED / OPEN: **EXPOSURE**: **IMPORTANCE - WIND: IMPORTANCE - SEISMIC: IMPORTANCE - SNOW:** SEISMIC CATEGORY: SEISMIC COEFFICIENT: SEISMIC S1: SEISMIC Sds: SEISMIC Sd1: SEISMIC BASE SHEAR: **INTERNAL WIND COEFFICIENT:** OCCUPANCY:

TIONS	SHEET ABBREVIATIONS	TRIM ABBREVIATIONS	FASTENER A
Ga. Angle 5/8" x 16 Ga. Channel Ga. Cee Ga. Cee x 16 Ga. Cee 5/8" x 14 Ga. Channel Ga. Strut Ga. Cee Ga. Angle x 16 Ga. Cee	RL29 Ga. SSX LINER PANELRR26 Ga. SSX ROOF PANELRW26 Ga. SSX WALL PANELML29 Ga. LRX LINER PANELMW26 Ga. LRX WALL PANELRML29 Ga. REVERSE LR PARTITION PANELRMW26 Ga. REVERSE LRX WALL PANELSSRSSII 24 Ga. SSR PANEL	DFRDIE FORMED RIDGE CAPMT-134DOOR JAMB COVERDS-101DOWNSPOUT WITH DIVERTERDSS-105DOWNSPOUT STRAPJHC-06DOOR HEADER COVERET-80EAVE TRIMFL-134RAKE ENDGS-501GUTTER STRAPCM-406HALF MULLION COVERFL-17HIGH SIDE EAVE TRIMFL-26HEAD TRIMIAINSIDE ANGLEICT-801INSIDE CORNER	SB 1/2" x 3" SCREW BOLT - SCREW-BOLT + (PFM141 DP 1/4" x 1 1/4" DRIVE PIN MFS058NW #10 x 5/8" SD NO WASH SD100NW #12 x 1" SD MFS114 #12 x 1 1/4" SD MFSZAC114 #12 x 1 1/4" LONG LIFE LS078 #14 x 7/8" LAP SCREW LSZAC078 #14 x 7/8" LONG LIFE L/ PR 1/8" POP RIVET MFS0100 #17-14 x 1" SELF TAPPII MFS0112 1/4"-14 x 1 1/2" SD
Ga. Angle Ga. Cee	SSR ABBREVIATIONS	ICBINSIDE CORNER BOXISCLINSIDE CLOSUREJT-101JAMB TRIMMU-41212" MULLION COVER	
da. Angle Ga. Strut 1/2" Angle x 16 Ga. Zee x 16 Ga. Zee x 16 Ga. Zee 2" x 16 Ga. Zee 2" x 16 Ga. Zee	SS2BUP 24"24" BACK UP PLATESS2ED 24"24" OUTSIDE CLOSUREEP7600EAVE PLATE - LOWHW-7616EAVE PLATE - HIGHHW-200FIXED CLIP - LOWHW-204FIXED CLIP - HIGHHW-426INSIDE CLOSURECS324CINCH STRAPGS501GUTTER STRAPSS2RSLGRAKE PLATE - LOWSS2RSLGRAKE PLATE - HIGH	MU-42424" MULLION COVEROAOUTSIDE ANGLECT-102OUTSIDE CORNERFL-16COUTSIDE CORNER BOXOSCLOUTSIDE CLOSUREFL-125PEAK BOXMT-139PARTITION TOP TRIMFL-240AGUTTERFL-110RAKE TRIMSSCSILICONE SEALANT CAULKMT-101SIDEWALL FLASHINGWT-101WAINSCOT TRIM	



NCBC 18 (IBC 15)
2.0 psf.
1 0 psf
20.0 pof (MAX)
20.0 psi. (IVIAX)
15.0 psf. (MAX)
12.6 psf. (MAX)
117 mph.
Closed
С
1.00
1.00
1.00
С
0.28
0.084
0.187
0.134
0.667*le*Fa*Ss*W/R
-0.18 / +0.18
II - Normal

ABBREVIATIONS

DeWalt 1380)	BASE TO SLAB CONNECTIONS
	BASE TO SLAB CONNECTIONS
IER	SPECIAL TRIM CONNECTIONS
	STRUCTURAL STEEL CONNECTIONS
	WALL SHEETING
SD	ROOF SHEETING
	WALL PANEL LAP
AP SCREW	ROOF PANEL LAP
	TRIM CONNECTIONS
NG	SS-II END LAP ATTACHMENT
	SS-II CLIP ATTACHMENT









EXTERIOR ELEVATIONS



REAR ELEVATION

FRONT ELEVATION

£ £ £ ↓ ↓ ↓ FL-26)13'-3"		لَّنْ الْحَالَةُ مَنْ الْحَالَةُ مَنْ الْحَالَةُ مَنْ الْحَالَةُ مَنْ الْحَالَةُ مَنْ الْحَالَةُ مَنْ الْحَالَةُ مُنْ الْحَالَةُ مَنْ الْحَالَةُ مُنْ الْحَالَةُ مُنْ الْحَالَةُ مُنْ الْحَالَةُ مَنْ الْحَالَةُ مُنْ الْحَالَةُ مُنْ الْحَالَةُ مَنْ الْحَالَةُ مَنْ الْحَالَةُ مَنْ الْحَالَةُ مُنْ الْحَالَةُ مَنْ الْحَالَةُ مُنْ الْحَالَةُ مُنْ الْحَالَةُ مُنْ الْحَالَةُ مُنْ الْحَالَةُ مُنْ الْحَالْةُ مُنْ الْحَالَةُ مُنْ أَحْلَةُ مُنْ الْحَالَةُ مُنْ الْحَالُ لَحَالَةُ مُنْ الْحَالَةُ مُنْ الْحَالَةُ مُنْ الْحَال		لَّهُ اللَّهُ ا (FL-26)13'-3"		. 준 준 준 (FL-26)13'-3'	(RV	ي ي ي ي ي ي ي ي ي ي ي ي ي ي ي ي ي ي ي		ي مجلى محلي محلي محلي محلي محلي محلي محلي محلي	AL) AL	€ € 	AL AL	ਨੂੰ ਨੂੰ (FL-20	َ <u>لَا</u> وَ		َ اللَّٰ اللَّ (FL-26)13'-3"		ي مج س (FL-26)13	MB) MB)	(FL-2	<u>ک</u> <u>ک</u> (13'-3"		لَّهُ اللَّهُ مَنْ ا (FL-26)13'-3		、
HC-06)11'-0"	(MU-624)14'-0"	ĴHC-06́)11'-0 ┣	 (MU-624)14'-0"	(JHC-06)11'-0	= (MU-624)14'-0"	(JHC-06)11'-0	 (MU-624)14'-0"	(JHC-06)11 [,]	습 (MU-624)14'-0"	(JHC-06)11		(JHC-06)11		(JHC-C	6)11'-0" A	(MU-624)14'-0"	(JHC-06)11'-0	= (MU-624)14'-0"	(JHC-06)1	1'-0" "0-'14(-0-"	(JHC-	-06)11'-0" A	(MU-624)14'-0"	(JHC-06)11'-	ୁ (MU-624)14'-0"	(JHC-06)11'-

325'-0"







SLAB	PLA	N







FLOOR PLAN





FRAMING PLAN

	(2	25) 13'-0" BA	YS												
13'-0"	$\begin{array}{c c c c c c c c c c c c c c c c c c c $														
(G) 6 ⁻² 1/2" (C) 10'-4" (G) 6'-2 1/2" (C) 10'-4"	(G) 6-2 1/2" (C) 10-4" (G) 6-2 1/2" (G) 6-2 1/2"	(G) 6-2 1/2" (C) 10-4" (G) 6-2 1/2" (G) 6-4 1/2"	(G) 6-2 1/2" (C) 10-4" (G) 6-2 1/2" (C) 10-4"	(G) 6-2 1/2" (C) 10-4" (G) 6-2 1/2" (G) 10-4"	(G) 6'-2 1/2" (C) 10'-4" (G) 6'-2 1/2"	(C) 10-4 (C) 6'-2 1/2" (C) 10'-4" (G) 6'-2 1/2" (C) 10'-4"	(G) 6-2 1/2" (C) 10-4" (G) 6-2 1/2" (C) 10-4"	(G) 6'-2 1/2" (C) 10'-4" (G) 6'-2 1/2" (C) 10'-4"	(G) 6'-2 1/2" (C) 10'-4" (G) 6'-2 1/2" (C) 10'-4"	(G) 6'-2 1/2" (C) 10'-4" (G) 6'-2 1/2" (C) 10'-4"	(G) 6'-2 1/2" (C) 10'-4" (G) 6'-2 1/2" (C) 10'-4"	(G) 6'-2 1/2" (C) 10'-4"			
14'-6 1/2"	(C) 14'-6 1/2"	(C) 14'-6 1/2" 9	(C) <u>14'-6</u> <u>1/2"</u>	(C) <u>14'-6 1/2"</u>	(C) <u>14'-6</u> <u>1/2"</u>	(C) 14'-6 1/2"	(C) 14'-6 1/2"	(C) 14'-6 1/2"	(C) 14'-6 1/2" (<u>(C) 14'-6 1/2"</u>	(C) <u>14'-6</u> <u>1/2"</u> (C) 14'-6 1/2"			
14'-9"	(C) 14'-9"	(C) 14'-9" 5	(C) 14'-9"	(C) 14'-9"	(C) 14'-9"	(C) 14'-9"	(C) 14'-9"	(C) 14'-9"	(C) 14'-9"(<u>(C) 14'-9"</u>	(C) 14'-9"	<u>C) 14'-9"</u>			
14'-11 1/2"	(C) 14'-11 1/2"	(C) 14'-11 1/2"	(C) 14'-11 1/2"	(C) 14'-11 1/2"	(C) 14'-11 1/2"	(C) 14'-11 1/2"	(C) 14'-11 1/2"	(C) 14'-11 1/2"	(C) 14'-11 1/2" (<u>(C) 14'-11 1/2"</u>	(C) 14'-11 1/2" (<u>C) 14'-11 1/2"</u>			
15'-2"	(C) 15'-2"	(C) 15'-2"	(C) 15'-2"	(C) 15'-2"	(C) 15'-2"	(C) 15'-2"	(C) 15'-2"	(C) 15'-2"	(C) 15'-2" ((C) 15'-2"	(C) 15'-2"	<u>C) 15'-2"</u>			
15'-4 1/2"	(C) 15'-4 1/2"	(C) 15'-4 1/2"	(C) <u>15'-4 1/2"</u>	(C) <u>15'-4 1/2"</u>	(C) <u>15'-4 1/2"</u>	<u>(C) 15'-4 1/2"</u>	(C) 15'-4 1/2"	(C) 15'-4 1/2"	(C) 15'-4 1/2" ((<u>C) 15'-4 1/2"</u>	(C) <u>15'-4 1/2"</u>	<u>C) 15'-4 1/2"</u>			
15'-7"	(C) 15'-7"	(C) 15'-7"	(C) 15'-7"	(C) 15'-7"	(C) 15'-7"	(C) 15'-7"	(C) 15'-7"	(C) 15'-7"	(C) 15'-7" ((C) 15'-7"	(C) 15'-7"	C) 15'-7"			
15'-9 1/2"	(C) 15'-9 1/2"	(C) 15'-9 1/2"	(C) <u>15'-9 1/2"</u>	(C) <u>15'-9 1/2"</u>	(C) <u>15'-9 1/2"</u>	(C) 15'-9 1/2"	(C) 15'-9 1/2"	I(C) 15'-9 1/2"	(C) 15'-9 1/2" (<u>'C) 15'-9 1/2"</u>	(C) 15'-9 1/2"(<u>C) 15'-9 1/2"</u>			
(D1) 19:-11: (C) 1-9:-1- (D1) 19:-1- (D1)	(DH) 10'-11" "	(DH) 10'-11" (DH) 10'-11" (C) 1'-9" (C) 1'-9"	(DH) 10'-11" (C) 19'-1" (C) 1-9" (C) 19'-1 (C)	(DH) 10'-11" (C) 19'-1" (C) 1-9" (C) 19'-1" (C) 19'-1"	(DH) 10'-11'' (C) 140'-1-1'' (C) 1	$(DH) 10^{\circ} 11^{\circ} (C) 10^{\circ} 11^{\circ} (C) 11^{\circ} 11^{\circ} 11^{\circ} (C) 11^{\circ} 11^{$	(DH) 10'-11" (DH) 10'-11" (C) 1'-9" (C) 1'-9"	(DH) 10'-11" (C) 19"-1" (C) 19"-1" (C) 19"-1" (D1) 16'-1" (D1) 16'-1	(D) 16:-1,1 (D) 16	(D1) 10'-11" (D1) 16'-1" (D1) 16'-1" (D1) 16'-1" (D1) 16'-1"	(DH) 10'-11" "	(DH) 10'-' (DH) 10'-' (D1) 16'-1" (D1) 16'-1" (D1) 16'-1" (D1) 16'-1"			
11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"			
1-0- 1-0-	10"-1	1-0" - - 0" -	1-0" - 1-0" -	1-0-1-0-1- 1-0-1-0-1-			1-0" -	1'-0" - 1'-0" -	1'-0" - <u>1'-0" -</u>	1'-0" -	1-0"-1 0	- - -			
13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"			
	(2	' 25) 13'-0" BA	YS	I	1		1								
	32	5'-0" STEEL L	INE												

325'-0" STEEL LINE

LEFT ELEVATION

RIGHT ELEVATION

325'-0"

REAR ELEVATION

GIRT SPACING

PARTITON PLAN

	325	'-O" STEEL L	INE									
	(25	5) 13'-0" BAY	′S									
13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"
(PC)4'-0"	(RML)25-0 ¹ (6) (RML)25-0 ¹ (6) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	(HVML)250; (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	(RML)25-01 (6)	(LM/L)25-01 (6) (RM/L)25-01 (6) (RM/L)25-01 (6)	(RML)25-01 (6)	(RMI)252-01 (6) (RMI)252-01 (6) (8) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	(RML)25-01 (6) (RML)15-31 (5) (FML)15-31 (5)	0-1+(3-4) (RML)25-0 ¹ (6) (RML)15-3 ¹ (5)	(BML)25-01 (6) (RML)25-01 (6) (RML)112-31 (5) (7) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	(RML)255-01 (6) (RML)255-01 (6)	(RML)25'-0 ¹ (6) (RML)15'-3' (5)	(RML)25-0 ¹ (6) (RML)15-3 ¹ (5) (5)
11'-0"	11'-0" 0,-1			11'-0" "0, "0,"								8 5 11'-0"
13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"	13'-0"
	(25 325	5) 13'-0" BAY	'S INE									

														32	5'-0" STEEL I	_INE									
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														32	5'-0" STEEL I	INE									

NOTE : ADD STRAPPING (502PS104M) IN EACH 25'-0" BAY FROM FRONT SIDE WALL TO BACK SIDE WALL. SEE STRAPPING DETAIL BELOW (PAGE 7.1) USE THE SAME STRAPPING TO CREATE X-BRACING THAT WILL TERMINATE INTO THE SHEAR WALLS. THE X CAN TIE IN EVERY OTHER PURLIN SPACE EXCEPT THAT IT WILL NEED TO TERMINATE A AN INTERIOR WALL AS SHOWN.

RAFTER PLAN

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NOTE : FIELD CUT AND BEND PANEL AS REQUIRED.

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-#4 DOWEL **©** 12" O.C.

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<u>GENERAL NOTES</u>

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING ALL WORK DURING CONSTRUCTION.
- 2. FOOTINGS ARE DESIGNED FOR AN ALLOWABLE BEARING CAPACITY OF 2000 P.S.F.
- 3. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 P.S.I. WITH A 4" MAXIMUM SLUMP. DETAILS NOT SHOWN SHALL BE ACCORDING TO ACI 318 AND ACI 301 SPECIFICATIONS FOR CONCRETE CONSTRUCTION. REINFORCING STEEL SHALL BE ASTM A-615 GRADE 60 (TIES MAY BE GRADE 40) W.W.F. SHALL BE ASTM A-185 MINIMUM LAP: #4 28"#5 32"- MINIMUM COVER: 3" U.N.O.
- 4. C.J. ON PLANS INDICATE CONTROL JOINT $1/8" \times 1"$ DEEP SAWN WITHIN 24 HOURS AFTER PLACING CONCRETE. METAL JOINT MATERIAL MAY BE USED.
- 5. FOUNDATION BASED ON REACTIONS FURNISHED BY PEAK STEEL BUILDINGS, JOB NO. 12226-33770-BR1 DATED 02/16/2024.

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GENERAL ELECTRICAL NOTES

G1.	ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH 2020 NATIONAL ELECTRICAL CODE WITH N.C AMENDMENTS AND ALL APPLICABLE LOCAL AND STATE CODES.	G37.	THE ELECT
G2.	ALL MATERIAL, EQUIPMENT AND APPLIANCES SHALL BE NEW, LABELED AND LISTED FOR ITS INTENDED USE BY A QUALIFIED THIRD-PARTY ELECTRICAL TESTING LABORATORY (I.E. UL, ETL, ETC.) AND THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION PER NEC ARTICLES 90.7, 110.2 AND 110.3. WHERE UNDERWRITER'S LABORATORIES LABELING IS AVAILABLE FOR THE CLASS OF MATERIAL INVOLVED, MATERIALS SHALL BE FURNISHED WITH A UL LABEL OR LISTING, OR THE ELECTRICAL CONTRACTOR SHALL PROVE IT IS NOT REQUIRED.	G38.	REQUIREMI IF DURING ⁻ AND SPECI ARCHITECT
G3.	ALL ELECTRICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR.	G39.	SEE PANEL
G4.	ELECTRICAL CONTRACT DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF ELECTRICAL EQUIPMENT. DO NOT SCALE ELECTRICAL PLANS. OBTAIN ALL DIMENSIONS FROM THE ARCHITECT'S DIMENSIONED DRAWINGS AND FIELD MEASUREMENTS. THE CONTRACTOR SHALL REVIEW ARCHITECTURAL PLANS FOR DOOR SWINGS AND BUILT-IN EQUIPMENT; CONDITIONS INDICATED ON THOSE PLANS SHALL GOVERN FOR THIS WORK.		CONDUCTO ANNEX C. T THE NUMBE
G5.	VERIFY ALL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE (PRIOR TO STARTING ANY WORK) SUCH AS VOLTAGE, PHASES, FAULT CURRENT, ETC AND COORDINATE EXACT LOCATION OF INCOMING ELECTRICAL SERVICE WITH LOCAL POWER COMPANY PRIOR TO PROJECT START. NOTIFY ENGINEER OF ANY DIFFERENCES FROM WHAT IS SHOWN ON PLANS.		120V 1 - P 1 - N 1 - G
G6.	ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE FROM THE DATE OF SUBSTANTIAL COMPLETION.		CON
G7.	A COMPLETE GROUNDING SYSTEM SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH ARTICLE 250 OF THE NEC, AND AS SHOWN ON THE DRAWINGS.		208V 2 - P
G8.	ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. DO NOT CUT ANY MATERIAL THAT WILL WEAKEN THE STRUCTURE WITHOUT WRITTEN PERMISSION OF THE ARCHITECT. PATCHING SHALL BE ACCOMPLISHED TO MATCH ADJACENT SURFACES IN EVERY RESPECT. ENGAGE ORIGINAL INSTALLER FOR CUTTING/PATCHING OF ROOFS.		1 - G CON
G9.	PROVIDE A TYPED DIRECTORY IN ALL PANELBOARDS CLEARLY DESCRIBING THE LOCATION AND TYPE OF LOAD SERVED FOR ALL CIRCUITS.		2000 3 - P 1 - N
G10.	THE ELECTRICAL CONTRACTOR SHALL REQUEST A SELECTIVE BREAKER COORDINATION STUDY FROM THE ELECTRICAL GEAR MANUFACTURER PER NEC 700 REQUIREMENTS.		1 - G CON
G11. G12.	PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR ALL PANELBOARDS AND DISCONNECT SWITCHES, WHITE LETTERS ON BLACK BACKGROUND. NAMEPLATE SHALL CONTAIN EQUIPMENT DESIGNATION, VOLTAGE, FEEDER SOURCE, AIC RATING & DATE INSTALLED. PROVIDE "FLASH HAZARD" LABELS FOR ALL PANELBOARDS IN ACCORDANCE WITH NEC REQUIREMENTS.	G40. G41.	ELECTRICA INSTALLED COLOR COI
G13.	ALL TERMINALS/LUGS SHALL BE 60 DEGREE/75 DEGREE RATED.		RESPECTIV STRIPES. T
G14.	FUSES 0-600 AMPS SHALL BE UL CLASS "RK-5" LOW PEAK DUAL ELEMENT TIME DELAY WITH 200,000 AMPERE INTERRUPTING RATING AS MANUFACTURED BY BUSSMAN		AND SMALL ANY ELECT
G15.	UNLESS NOTED OTHERWISE. ALL WATER HEATERS SHALL HAVE DISCONNECT SIZED PER 422.11(E)(3).	G42.	WHERE CO
G16.	ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT REGARDLESS OF WHO SUPPLIES THE EQUIPMENT. THIS INCLUDES		
G17.	ALL HVAC, PLUMBING AND OWNER FURNISHED EQUIPMENT CONNECTIONS OF 120V OR HIGHER. RACEWAYS SHALL BE INSTALLED CONCEALED IN NEW WALL CONSTRUCTION, ABOVE CEILINGS, BELOW FLOOR, AND IN OTHER CAVITIES TO THE GREATEST EXTENT POSSIBLE. WHERE EXPOSED RACEWAYS MUST BE USED, LAYOUT RACEWAYS TO MINIMIZE THE NUMBER OF VERTICAL RUNS.		
G18.	ALL EXPOSED RACEWAY SHALL BE RUN PARALLEL OR PERPENDICULAR TO THE BUILDING SURFACES AND SHALL BE PAINTED AS DIRECTED BY THE ARCHITECT. NO EXPOSED CONDUIT SHALL BE ALLOWED IN FINISHED SPACES EXCEPT AS PERMITTED BY OWNER OR ARCHITECT. EXPOSED RACEWAY IN FINISHED SPACES SHALL BE WIREMOLD TYPE.		
G19.	BEFORE COMMENCING WITH ANY ROUGH-IN, COORDINATE THE EXACT LOCATION AND MOUNTING HEIGHT OF ALL WALL MOUNTED DEVICES WITH THE ARCHITECTURAL INTERIOR ELEVATIONS, CASEWORK SHOP DRAWINGS, AND EXISTING CONDITIONS. IF ANY DISCREPANCIES ARE DISCOVERED, NOTIFY THE ARCHITECT FOR FURTHER DIRECTION. MINOR ADJUSTMENTS IN DEVICE LOCATION, I.E. 5'-0" IN ANY DIRECTION SHALL BE DONE AT NO ADDITIONAL COST TO THE CONTRACT.		
G20.	ALL WIRING SHALL BE INSTALLED IN IMC, RMC, EMT OR TYPES AC AND MC FLEXIBLE CABLES. RNC CONDUIT (PVC), SHALL ONLY BE USED UNDERGROUND AND OUTDOORS, WHERE NOT SUBJECT TO PHYSICAL DAMAGE. MINIMUM SIZE CONDUIT SHALL BE 3/4". AC AND MC FLEXIBLE CABLES SHALL BE USED ONLY IN AREAS PERMITTED BY CODE. INDOOR BRANCH CIRCUIT WIRING MAY BE TYPE NM, NMC, OR NMS FOR DWELLING UNITS OR OTHER BUILDINGS PERMITTED TO BE OF TYPES III, IV OR V CONSTRUCTION. DWELLING UNIT SERVICE FEEDERS MAY BE TYPE SE OR USE CABLES IN AREAS PERMITTED BY CODE. AMPACITY FOR SE AND USE CABLES SHOWN ON THE SER FEEDER SCHEDULE INCLUDED IN THESE DRAWINGS IS BASED ON THE 60 C AMPACITY OF TABLE 310.15(B)(16) FOR INSTALLATION IN INSULATION. SHOULD SER CABLE NOT BE IN CONTACT WITH INSULATION CONTACT ENGINEER FOR REVISED FEEDER SIZES (IN INSULATION SHALL BE AS DEFINED IN ARTICLE 310.15(A)(2) AND AS DETERMINED BY THE LOCAL AHJ). ALL SER FEEDERS LOCATED WITHIN TYPE I AND/OR II BUILDING AREAS (NONCOMBUSTIBLE CONSTRUCTION) SHALL BE RUN IN EMT CONDUIT PER NEC. ONCE THE CONDUIT PENETRATES THE TRANSITION SLAB AND ENTER INTO THE TYPE III, IV OR V CONSTRUCTION THE SER CABLE MAY BE RUN FREELY AS ALLOWED PER NEC. ALL OTHER WIRING IN DWELLING UNITS EXCEEDING 50 AMPERES SHALL BE INSTALLED IN EMT INDOORS OR PVC OUTDOORS, WHERE NOT SUBJECT TO PHYSICAL DAMAGE.		
G21.	ALL FLEX SHALL BE LIQUID TIGHT FLEXIBLE METAL.		
G22.	PROVIDE A PULL WIRE OR FISH TAPE IN ALL EMPTY CONDUITS. PROVIDE A BLANK COVER PLATE OVER ALL UNUSED BOXES INCLUDING DATA/COMM BOXES.		
G23.	WHERE A SINGLE HOMERUN IS SHOWN THE CIRCUIT SHALL BE INSTALLED IN A DEDICATED CONDUIT, DO NOT COMBINE WITH OTHER CIRCUITS. WHERE A CIRCUIT HOMERUN IS NOT SHOWN THE CONTRACTOR SHALL COMBINE CIRCUITS AS FOLLOWS AND IN ACCORDANCE WITH THE NEC:		
	 A MAXIMUM OF THREE 20A, 1 POLE BRANCH CIRCUITS MAY BE COMBINED IN COMMON HOMERUN SHARING A COMMON NEUTRAL OR WITH SEPARATE NEUTRALS, FOR A TOTAL OF SIX CURRENT CARRYING CONDUCTORS. ALL BRANCH CIRCUITS LARGER THAN 20A SHALL BE SEPARATELY HOMERUN TO PANEL. 		
	2. EACH MULTIWIRE BRANCH CIRCUIT SHARING A COMMON NEUTRAL SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES.		
G24.	CONDUCTORS SHALL BE COPPER, RATED AT NOT LESS THAN 600 VOLTS. MINIMUM SIZE SHALL BE NO. 12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL WIRE #8 AWG AND LARGER SHALL BE STRANDED, #10 THRU #12 AWG CONDUCTORS SHALL BE SOLID. ALL INSULATION TYPES SHALL BE THWN/THHN. FEEDER CIRCUIT CONDUCTORS MAY BE COPPER OR ALUMINUM.		
G25.	20A/120V BRANCH CIRCUITS EXTENDING UP TO 56' IN LENGTH, FROM PANEL TO FARTHEST DEVICE, SHALL USE AT MINIMUM NO. 12 (CU) CONDUCTORS AND 3/4"C. FOR 20A/120V BRANCH CIRCUITS EXTENDING UP TO 93' IN LENGTH, FROM PANEL TO FARTHEST DEVICE, SHALL USE NO. 10 (CU) CONDUCTORS AND 3/4"C. ANY BRANCH CIRCUIT LENGTHS THAT EXCEED 93', THE ELECTRICAL CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY FOR UPDATED CONDUCTOR AND CONDUIT SIZES.		
G26.	TO PREVENT UNDER-VOLTAGE, THE FEEDERS SHOWN ON THE VOLTAGE DROP TABLE(S) HAVE BEEN SIZED TO COMPENSATE FOR WHEREVER A MAXIMUM TOTAL VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARTHEST DEVICE DOES NOT EXCEED 5%. FOR FEEDER LENGTHS EXCEEDING THE ONE-WAY DISTANCES PROVIDED ON THE VOLTAGE DROP TABLE(S) THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER PRIOR TO BIDDING, PURCHASING AND ROUGHING-IN FOR UPDATED CONDUCTOR AND CONDUIT SIZES BASED ON UPDATED VOLTAGE DROP CALCULATIONS.		FIF
G27.	FOR EVERY WIRING DEVICE MARK THE BRANCH CIRCUIT TO WHICH IT IS CONNECTED ON THE BACK OF EACH DEVICE PLATE, USING AN INDELIBLE MARKER PEN.		58
G28.	COORDINATE ALL DEVICE AND DEVICE PLATE COLORS WITH OWNER/ARCHITECT. DEVICES AND DEVICE PLATES LOCATED IN CABINETRY SHALL BE A DARK COLOR TO MATCH CABINETRY FINISH.		
<u>G29</u>	EXACT LOCATION OF ALL FLOOR-MOUNTED OUTLETS SHALL BE COORDINATED WITH THE OWNER/ARCHITECT REFORE ROUGH-IN		
G30.	TWO OR MORE ADJACENT POWER OR COMMUNICATION RECEPTACLES SHALL BE GANGED WITH A COMMON FACEPLATE - IF THEY CANNOT BE GANGED THEY SHALL		AL ON
	BE INSTALLED WITH A MINIMUM DISTANCE BETWEEN UNITS.		LI:
G31.	WALL RECEPTACLES SHOWN BACK TO BACK MAY BE OFFSET BUT SHALL BE INSTALLED DIRECTLY ADJACENT TO ONE ANOTHER.		
G32.	LIGHT SWITCHES SHALL BE NO MORE THAN 6" FROM EDGE OF DOOR FRAME.		REMOTE IN
G33.	WHERE PENETRATIONS ARE MADE THROUGH A REQUIRED FIRE-RESISTIVE WALL, FLOOR, OR PARTITION FOR THE PURPOSE OF RUNNING RACEWAY CARRYING ELECTRICAL, TELEPHONE, TELEVISION, OR LOCAL COMMUNICATION AND/OR SIGNALING CIRCUITS, THE OPENING AROUND THE RACEWAY SHALL BE FIRE STOPPED PER THE STATE BUILDING CODE. COORDINATION WITH THE GENERAL CONTRACTOR SHALL BE MAINTAINED TO ENSURE THAT THIS FIRE STOPPING IS ACCOMPLISHED. USE APPROVED ASSEMBLIES SUCH AS THE FOLLOWING:		RECE
	* CONDUIT PENETRATIONS OF 1,2,3 & 4 HOUR GYP BOARD WALLS - U.L.#WL1001 * CONDUIT PENETRATIONS OF 2,3 & 4 HOUR CONCRETE OR BLOCK WALLS - U.L.#CAJ1001 * CONDUIT PENETRATIONS OF 2,3 & 4 HOUR CONCRETE FLOORS - U.L.#CAJ1001 * CONDUIT PENETRATIONS OF 1 HOUR GYPBOARD CEILING ASSEMBLY - L526 * MULT. CONDUIT PENETRATIONS OF 2,3 & 4 HOUR CONCRETE OR BLOCK WALL OR FLOOR - CAJ1042		
G34.	IN REQUIRED FIRE RATED WALLS AND PARTITIONS, OPENINGS FOR INSTALLATION OF BOXES SHALL BE IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS INCLUDED WITH THE BOX LISTING. COORDINATE CLOSELY WITH THE GENERAL CONTRACTOR TO ENSURE THAT THE INTEGRITY OF THE U.L. RATING IS MAINTAINED.		
G35.	OUTLET BOXES FOR DEVICES MOUNTED ON OPPOSITE SIDES OF FIRE RATED PARTITIONS SHALL NOT BE MOUNTED IN THE SAME WALL CAVITY. SEPARATE WALL PENETRATIONS BY MOUNTING ON OPPOSITE SIDES OF WALL STUDS OR OTHER VERTICAL STRUCTURAL MEMBER IN THE WALL.		
G36.	PRIOR TO ORDERING ANY EQUIPMENT THE ELECTRICAL CONTRACTOR SHALL PROVIDE SHOP DRAWING SUBMITTALS TO THE OWNER, ARCHITECT AND ELECTRICAL ENGINEER FOR THE LIGHTING FIXTURES, ELECTRICAL GEAR, FIRE ALARM SYSTEM AND OTHER SIMILAR SYSTEMS. SHOP DRAWING SUBMITTALS SHALL BE PROVIDED REGARDLESS IF THE EQUIPMENT BEING SUPPLIED IS THE SAME AS WHAT IS SPECIFIED ON THE PLANS.		

RICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING RESTRAINTS TO RESIST THE EARTHQUAKE EFFECTS ON THE ELECTRICAL SYSTEM. THE ENTS FOR THOSE RESTRAINTS ARE FOUND IN THE IBC, THE ANCHORING OF THE EQUIPMENT SHALL COMPLY WITH IBC SECTION 1613.

THE COURSE OF WORK THE ELECTRICAL CONTRACTOR DISCOVERS A PROBLEM WITH THE PERFORMANCE OF THE INSTALLATION RELATIVE TO THE PLANS FICATIONS OR NEC OR OTHER CODES, THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY BRING THE PROBLEM TO THE ATTENTION OF THE T AND ENGINEER FOR RESOLUTION PRIOR TO THE EXECUTION OF THE WORK.

SCHEDULES FOR BRANCH CIRCUIT CONDUCTOR SIZES. THE "WIRE SIZE" COLUMN INDICATES THE SIZE OF THE PHASE (IE HOT) AND NEUTRAL ORS. THE EC SHALL SIZE THE EQUIPMENT GROUNDING CONDUCTORS PER NEC TABLE 250.122, THE EC SHALL SIZE THE CONDUIT (IF REQUIRED) PER NEC THE QUANTITY OF CONDUCTORS IS BASED ON THE "POLE" COLUMN AND FOLLOWS THE PROCESS BELOW, PARALLEL SET QUANTITIES ARE MULTIPLIED BY BER OF SETS:

V/277V - 1 POLE PHASE (IE HOT) - CONDUCTOR SIZE PER "WIRE SIZE" COLUMN IN PANEL SCHEDULE NEUTRAL - CONDUCTOR SIZE PER "WIRE SIZE" COLUMN IN PANEL SCHEDULE GROUND - PER NEC TABLE 250.122 NDUIT SIZED PER NEC ANNEX C (IF REQUIRED)

3V/240V/480V - 2 POLE

PHASE (IE HOT) - CONDUCTOR SIZE PER "WIRE SIZE" COLUMN IN PANEL SCHEDULE NEUTRAL (EC VERIFY IF REQUIRED FOR INSTALLED EQUIPMENT) - CONDUCTOR SIZE PER "WIRE SIZE" COLUMN IN PANEL SCHEDULE GROUND - PER NEC TABLE 250.122

NDUIT SIZED PER NEC ANNEX C (IF REQUIRED)

V/240V/480V - 3 POLE

PHASE (IE HOT) - CONDUCTOR SIZE PER "WIRE SIZE" COLUMN IN PANEL SCHEDULE NEUTRAL (EC VERIFY IF REQUIRED FOR INSTALLED EQUIPMENT) - CONDUCTOR SIZE PER "WIRE SIZE" COLUMN IN PANEL SCHEDULE GROUND - PER NEC TABLE 250.122

NDUIT SIZED PER NEC ANNEX C (IF REQUIRED)

AL CONTRACTOR SHALL COORDINATE WITH GEAR MANUFACTURER WHERE THE HIGHEST CONTINUOUS TRIP SETTING FOR WHICH THE ACTUAL DEVICE IN A CIRCUIT BREAKER IS RATED OR CAN BE ADJUSTED IS 1200A OR HIGHER SHALL HAVE ARC ENERGY REDUCTION IN ACCORDANCE WITH NEC 240.87.

DE CONDUCTORS PER NEC. FEEDERS SHALL BE IDENTIFIED IN ACCORDANCE WITH NEC 215.12. USE BLACK, RED, AND BLUE FOR PHASES A, B, AND C VELY ON 208Y/120 VOLT THREE-PHASE Y SYSTEMS AND WHITE FOR THE NEUTRAL. ISOLATED GROUND WIRES SHALL BE GREEN WITH YELLOW BANDS OR THIS IDENTIFICATION SHALL BE MADE AT EACH POINT WHERE A CONNECTION IS MADE. COLORS SHALL BE FACTORY APPLIED FOR CONDUCTORS #6 AWG LER. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL BE GREEN IN COLOR AND MINIMUM #12 AWG. THE EC SHALL PROVIDE PLENUM RATED CABLE FOR FRICAL, TELEPHONE, COMMUNICATION, OR OTHER CABLE THAT ENTERS CEILING RETURN PLENUMS.

ONDUCTORS ARE RUN IN PARALLEL, THE EC SHALL COMPLY WITH NEC 310.4.

C406.6 Dedicated Outdoor Air System

C406.7 Reduced Energy Use in Service Water Heating

DESIGNER STATEMENT:

To the best of my knowledge and belief, the design of this building/space complies with the electrical system and equipment requirements of the 2018 North Carolina Energy Conservation Code.

1. ALL DIMENSIONS ARE TO CENTER LINE OF DEVICE, UNLESS OTHERWISE NOTED.

TYPICAL DEVICE MOUNTING ELEVATION NOT TO SCALE

EL	ECTRICAL SYMBOL LEGEND
	DUPLEX RECEPTACLE, 20A, 120 VOLT, +18" A.F.F. (U.N.O.)
\Rightarrow	"GFCI" INDICATES GROUND FAULT PROTECTION
	"WP" INDICATES WEATHERPROOF
-	QUADPLEX RECEPTACLE, 20A, 120 VOLT, +18" A.F.F. (U.N.O.)
$-\Theta$	SIMPLEX RECEPTACLE, 20A, 120 VOLT, +18" A.F.F. (U.N.O.)
=	208/230 VOLT 1Ø RECEPTACLE
-0	208/230 VOLT 3Ø RECEPTACLE
\bigcirc	DUPLEX RECEPTACLE RECESSED IN FLOOR WITH BRASS COVER
\oplus	QUADPLEX RECEPTACLE RECESSED IN FLOOR WITH BRASS COVER
\bigcirc	DUPLEX RECEPTACLE MOUNTED IN CEILING
\oplus	QUADPLEX RECEPTACLE MOUNTED IN CEILING
J	JUNCTION BOX
لممع	DISCONNECT SWITCH, FUSED, HEAVY DUTY. NEMA 1 FOR INTERIOR, NEMA 3R FOR EXTERIOR. FUSE ACCORDING TO NAMEPLATE DATA
	NON-FUSED PULL DISCONNECT SWITCH. NEMA 1 FOR INTERIOR, NEMA 3R FOR EXTERIOR.
\checkmark	TELEPHONE/DATA JACK (JUNCTION BOX WITH 1" CONDUIT STUBBED TO ABOVE CEILING) CONDUCTORS AND TERMINATIONS PROVIDED AND INSTALLED BY COMMUNICATIONS CONTRACTOR.
\$	SINGLE POLE SWITCH
\$ 3	3 WAY SWITCH
\$ _{ws}	WALL MOUNT INFRARED OCCUPANCY SENSOR WITH UP TO 30 MINUTE TIME-ON SETTING AND MANUAL OVERRIDE, MIN. COVERAGE 500+ SQFT. WATTSTOPPER MODEL WS-250 OR EQUAL, 120.277V RATED
\$ _M	MOTOR RATED SWITCH RATED AT 20 AMPS, VOLTAGE TO MATCH EQUIPMENT
\$ _{WP}	20 AMP SWITCH IN WEATHERPROOF BOX WITH WEATHERPROOF COVER
	ELECTRICAL PANEL
PC	DUSK/DAWN PHOTOCELL
GC	GENERAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
RECEPT	RECEPTACLE
LTS	LIGHTS
IG	ISOLATED GROUND
WP	WEATHER PROOF (DEVICE TO HAVE WEATHERPROOF IN-USE COVER)
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
AFCI	ARC FAULT CIRCUIT INTERRUPTER

LUMINAIF	RE SCHEDULE							
MARK	DESCRIPTION	MANUFACTURER	MODEL	ССТ	MOUNTING	MAX WATTS	BALLAST/DRIVER	REMARKS
А	EXTERIOR GOOSE NECK	NUVO	65-661	VARIES	SURFACE	50	LED	1
В	FLOOD LIGHT	NUVO	65-715	3000K	SURFACE	20	LED	1
1. PRC	OVIDE INTEGRAL MOTION SENSO	R.						

GENERAL NOTES:

- Α.
- C. BID
- ALL EXPEDITED EXPENSES SHALL BE THE RESPONSIBILITY OF THE CONTRACTORS. D. FIXTURES TO BE INSTALLED IN CEILINGS, INDICATE ON THE ARCHITECTURAL PLANS AS HAVING INSULATION IN CONTACT WITH THE CEILING Ε. SURFACE, SHALL BE IC RATED BY MANUFACTURER.
- LIGHTING FIXTURES SHALL MEET THE AESTHETICS, DESCRIPTION AND SPECIFICATIONS, SUBSTITUTIONS SHALL INCLUDE PT. BY PT. F. CALCULATIONS.
- G. DEVIATION FOR THE ARCHITECT/ENGINEER AND OWNER TO MAKE AN INFORMED DECISION.
- H. PRICED WITH THE SPECIFIED FIXTURE AND LISTED SEPARATELY SO THE ARCHITECT, ENGINEER AND OWNER CAN MAKE AN INFORMED DECISION.
- ANY FIXTURE WITH THE TEXT "NL" ADJACENT TO IT SHALL INDICATE THAT THAT FIXTURE IS A NIGHT LIGHT (24HR LIGHT). THE FIXTURE SHALL BE CONNECTED TO THE UNSWITCHED HOT LEG OF THE INDICATED CIRCUIT.
- ACRYLIC PRISMATIC LENSES SHALL BE 0.156" NOMINAL MINIMUM THICKNESS. ALL EXIT AND EMERGENCY FIXTURES SHALL COMPLY WITH NCSBC STANDARDS AND HAVE AUTOMATIC TESTING DEVICES. Κ.
- Μ. OTHERWISE.
- LED MODULES SHALL BE REPLACEABLE. Ν. 0.
- ROUGH-IN. THE ABOVE FIXTURE TYPES ARE LISTED AS THE DESIGN BASIS.

THE CONTRACTOR SHALL VERIFY THE LEAD TIME OF ALL PRODUCTS SPECIFIED IN THIS SCHEDULE AT THE TIME OF PACKAGE QUOTE. DURING THE BID PROCESS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DELIVERY/SCHEDULING ISSUES. NO SUBSTITUTIONS WILL BE ALLOWED DUE TO THE LACK OF COORDINATION OF DELIVERY DATES AND CONSTRUCTION SCHEDULE AFTER

LIGHTING FIXTURES, AS SPECIFIED, HAVE BEEN SO SELECTED TO ACHIEVE REQUIRED/DESIRED FOOTCANDLE LEVELS IN THEIR RESPECTIVE AREA. HENCE SPECIFIC FIXTURE CHARACTERISTICS WHICH MAY CREATE PARTICULAR ILLUMINATION RESULTS ARE ESSENTIAL. ANY DEVIATIONS FROM SPECIFIED FIXTURES SHALL DEEM THE SUBMITTING AGENT AND CONTRACTORS RESPONSIBLE IN PROVIDINGSUCH

SUBSTITUTIONS APPROVED BY THE ENGINEER PREVIOUS TO BID ARE ACCEPTABLE AS LONG AS THEY ARE EQUAL TO THE FIXTURE SPECIFIED, UNLESS OTHERWISE NOTED. THIS INCLUDES LENS, COLORS, REFLECTORS, PHOTOMETRICS, HOUSING MATERIAL, FINISHES, ETC. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER WITH CUT SHEETS FOR APPROVAL. SUBSTITUTE FIXTURES SHALL BE

LED EMERGENCY BATTERY SHALL PROVIDE 1400 MINIMUM LUMENS OUTPUT FROM 1 LAMP FOR 90 MINUTES MINIMUM. ELECTRICAL CONTRACTOR SHALL CONNECT ALL LED EMERGENCY FIXTURES TO CLOSEST AVAILABLE LIGHTING CIRCUIT UNLESS NOTED

ELECTRICAL CONTRACTOR SHALL RECEIVE APPROVAL FOR ALL LIGHTING FIXTURES FROM ARCHITECT/OWNER PRIOR TO PURCHASE AND

	ELECTRICAL DRAWING INDEX
E0.1	ELECTRICAL LEGENDS AND NOTES
E1.1	LIGHTING PLAN
E1.2	POWER PLAN
E2.1	PANEL SCHEDULE AND ONE-LINE DIAGRAM

	SHARPE	ENGINEERING & CONSULTING, PLIC	P.O. Box G Wilsons Mills, NC 27593 NC License # P-2821 Sharpeengineers.com
	DISC	CLAIM	ER
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		BAUCOM BUSINESS PLAZA - BKI	11132 U.S. 401 N FUQUAY-VARINA, NC 27526
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	LIGHTING KEYNOTE LEGEND
KEY VALUE	KEYNOTE TEXT
1	LIGHTING TO BE CONTROLLED BY INTEGRAL MOTION SENSORS TO FIXTURES.

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	24-02 WER	0ATE		DESIGN FOK:	UNIT RECEIPTION	DI ESE DR. CIFICAT ESIGN A RVICE C PERTY C & COMS REPRC NAUTHO UMENTS ITTEN F INEERIN IS	HS V	ARPF
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	<i>t</i> :					E G SS C		

100 AMP MAIN BREAKER				PANELBOARD E							LOCATION: BR1	
100 AMP BUS RATING 42			POLES	OLES 10 KA SHORT CIRCUIT RATING						TING ENCLOSURE RATING: NEMA 3R		
208Y/120 VOLTS 3 PHASE 4 WIRE		60 HZ.	60 HZ.					MOUNTING: SURFACE				
			BREAKER	LOAD KVA					BREAKER			
CIRCUIT	CUIT DESCRIPTION		AMPS/POLES	PHASE		PHASE		PHASE		AMPS/POLES	DESCRIPTION	CIRCUIT
NO.				A		B		С				NO.
1	LIGHTING		20/1	0.13	0.20					20/1	BR2 LIGHTING	2
3	RV RECEPTACLE		20/1			0.18	0.18			20/1	RV RECEPTACLE	4
5	RV RECEPTACLE		20/1					0.18	0.18	20/1	RV RECEPTACLE	6
7	RV RECEPTACLE		20/1	0.18	0.18					20/1	RV RECEPTACLE	8
9	RV RECEPTACLE		20/1			0.18	0.18			20/1	RV RECEPTACLE	10
11	RV RECEPTACLE		20/1					0.18	0.18	20/1	RV RECEPTACLE	12
13	RV RECEPTACLE		20/1	0.18	0.18					20/1	RV RECEPTACLE	14
15	RV RECEPTACLE		20/1			0.18	0.18			20/1	RV RECEPTACLE	16
17	RV RECEPTACLE		20/1					0.18	0.18	20/1	RV RECEPTACLE	18
19	RV RECEPTACLE		20/1	0.18	0.18					20/1	RV RECEPTACLE	20
21	RV RECEPTACLE		20/1			0.18	0.18			20/1	RV RECEPTACLE	22
23	RV RECEPTACLE		20/1					0.18	0.18	20/1	RV RECEPTACLE	24
25	RV RECEPTACLE		20/1	0.18	0.18					20/1	RV RECEPTACLE	26
27	RV RECEPTACLE		20/1			0.18	0.18			20/1	EXTERIOR RECEPTACLE	28
29	EXTERIOR RECEPTACLE		20/1					0.18	0.72	20/1	BR2 RECEPTACLES	30
31	BR2 RECEPTACLES		20/1	0.72	0.72					20/1	BR2 RECEPTACLES	32
33	BR2 RECEPTACLES		20/1			0.72	0.72			20/1	BR2 RECEPTACLES	34
35	BR2 RECEPTACLES		20/1					0.72	0.72	20/1	BR2 RECEPTACLES	36
37	BR2 RECEPTACLES		20/1	0.72	0.72					20/1	BR2 RECEPTACLES	38
39	BR2 RECEPTACLES		20/1			0.72					SPACE	40
41	SPACE										SPACE	42
		TOTAL PHASE KVA PE	RPHASE	4.	65	3.9	96	3.	78		DEMAND KVA: 25.94	
	TOTALCONNECTED KV AMPS PER PHASE		'A		12.39		n - Anna ann an Anna Anna Anna Anna Anna		1	DEMAND AMPS: 72		
				39		33		32		1		
NOTES:												
1												
2												
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												2

SUMMARY OF LOADS					
DESCRIPTION	CONNECTED (kVA)	DEMAND FACTOR	DEMAND (kVA)		
LIGHTING	0.13	1.00	15.0		
RECEPTACLES (1 ST 10 kVA)	10.00	1.00	10.00		
(REMAINING)	1.88	0.50	0.94		
(TOTAL)	11.88	1.00	10.94		
TOTAL KVA	12.0		25.9		
TOTAL AMPS	33		72		

GROUNDING PER CODE

SEE DETAIL

	FEEDER SCHI	EDUL	E - 3 PHASE						
STANDARD VERCURRENT PROTECTION	FEEDER WIRE - # SETS (CONDUCTOR SIZE, EQUIP. GND., CONDUIT SIZE) CONDUCTOR TYPE: THHN - DRY; THWN - WET								
SIZE	COPPER WIRE	GEC	ALUMINUM WIRE	GEC					
30	1 [4 #10, #10G, 3/4"C]		1 [4 #8, #8G, 3/4"C]						
35	1 [4 #8, #10G, 3/4"C]		1 [4 #6, #8G, 1"C]						
40	1 [4 #8, #10G, 3/4"C]		1 [4 #6, #8G, 1"C]						
45	1 [4 #6, #10G, 1"C]		1 [4 #4, #8G, 1-1/4"C]						
50	1 [4 #6, #10G, 1"C]		1 [4 #4, #8G, 1-1/4"C]						
60	1 [4 #4, #10G, 1-1/4"C]		1 [4 #3, #8G, 1-1/4"C]						
70	1 [4 #4, #8G, 1-1/4"C]		1 [4 #2, #6G, 1-1/4"C]						
80	1 [4 #3, #8G, 1-1/4"C]		1 [4 #1, #6G, 1-1/2"C]						
90	1 [4 #2, #8G, 1-1/4"C]		1 [4 #1/0, #6G, 2"C]						
100	1 [4 #1, #6G, 1-1/2"C]	#8	1 [4 #1/0, #6G, 2"C]	#6					
(110)	1 [4 #1, #6G, 1-1/2"C]	#8	1 [4 #1/0, #4G, 2"C]	#6					
(125)	1 [4 #1, #6G, 1-1/2"C]	#6	1 [4 #2/0, #4G, 2"C]	#4					
(150)	1 [4 #1/0, #6G, 2"C]	#6	1 [4 #3/0, #4G, 2"C]	#4					
(175)	1 [4 #2/0, #6G, 2"C]	#4	1 [4 #4/0, #4G, 2-1/2"C]	#2					
200	1 [4 #3/0, #6G, 2"C]	#4	1 [4 #250KCMIL, #4G, 2-1/2"C]	#2					
225	1 [4 #4/0, #4G, 2-1/2"C]	#2	1 [4 #300KCMIL, #2G, 3"C]	#1/0					
250	1 [4 #250KCMIL, #4G, 2-1/2"C]	#2	1 [4 #350KCMIL, #2G, 3"C]	#1/0					
300	1 [4 #300KCMIL, #4G, 3"C]	#2	1 [4 #500KCMIL, #2G, 3"C]	#1/0					
350	2 [4 #2/0, #3G, 2"C]	#2	2 [4 #4/0, #1G, 2-1/2"C]	#1/0					
400	2 [4 #3/0, #3G, 2"C]	#2	2 [4 #250KCMIL, #1G, 2-1/2"C]	#1/0					
450	2 [4 #4/0, #2G, 2-1/2"C]	#1/0	2 [4 #300KCMIL, #1/0G, 3"C]	#3/0					
500	2 [4 #250KCMIL, #2G, 2-1/2"C]	#1/0	2 [4 #350KCMIL, #1/0G, 3"C]	#3/0					
600	2 [4 #350KCMIL, #1G, 3"C]	#2/0	2 [4 #500KCMIL, #2/0G, 3"C]	#4/0					
700	2 [4 #500KCMIL, #1/0G, 3"C]	#2/0	3 [4 #350KCMIL, #3/0G, 3"C]	#4/0					
800	3 [4 #300KCMIL, #1/0G, 3"C]	#3/0	3 [4 #400KCMIL, #3/0G, 3"C]	#4/0					
(1000)	3 [4 #400KCMIL, #2/0G, 3"C]	#3/0	4 [4 #350KCMIL, #4/0G, 3"C]	#4/0					
(1200)	4 [4 #350KCMIL, #3/0G, 3"C]	#3/0	4 [4 #500KCMIL, #250KCMIL G, 3"C]	#250 KCMIL					
(1600)	5 [4 #400KCMIL, #4/0G, 3"C]	#3/0	6 [4 #400KCMIL, #350KCMIL G, 3"C]	#250 KCMIL					
2000	6 [4 #400KCMIL, #250KCMIL G, 3"C]	#3/0	7 [4 #500KCMIL, #400KCMIL G, 3"C]	#250 KCMIL					
(2500)	7 [4 #500KCMIL, #350KCMIL G, 3"C]	#3/0	9 [4 #500KCMIL, #600KCMIL G, 3"C]	#250 KCMIL					
(3000)	8 [4 #500KCMIL, #400KCMIL G, 3"C]	#3/0	10 [4 #500KCMIL, #600KCMIL G, 3"C]	#250 KCMIL					
(4000)	11 [4 #500KCMIL, #500KCMIL G, 3"C]	#3/0	13 [4 #500KCMIL, #750KCMIL G, 3"C]	#250 KCMIL					

 ALL FEEDER SIZES MAY NOT BE LISTED IN ONE-LINE DIAGRAM
 ELECTRICAL CONTRACTOR TO VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED. REFER TO APPLICABLE TABLE IN ANNEX C OF NEC.

3. IF CONDUIT OTHER THAN EMT IS REQUIRED, BASE BID ON NEXT TRADE SIZE ABOVE THAT INDICATED. 4. 'GEC' DENOTES GROUNDING ELECTRODE CONDUCTOR PER NEC TABLE 250.66.

* EC SHALL VERIFY WITH AUTHORITY HAVING JURISDICTION AND UTILITY COMPANY THAT ALUMINUM CONDUCTORS ARE ACCEPTABLE FOR USE AS UTILITY TRANSFORMER SECONDARIES AND FEEDER CIRCUITS.

NOT ALL ELECTRODES MAY BE PRESENT ON-SITE, THEREFORE NOT ALL ELECTRODES ON THIS DETAIL MAY APPLY. DETAIL IS DIAGRAMMATIC ONLY

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