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.):	30
LENGTH (ft.):	170
EAVE HEIGHT (ft.):	9'-6" HS
ROOF SLOPE (Rise/12):	0.5

PANEL SELECTION

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

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 THE 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-S3)

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

Reviewed for Code Compliance

09/24/2024

Harnett COUNTY NORTH CAROLINA

DRAWING SCHEDULE

BUILDING LOADS

CODE:	NCBC 18 (IBC 15)
DEAD LOAD:	2.0 psf.
COLLATERAL LOAD:	1.0 psf.
LIVE LOAD:	20.0 psf. (MAX)
GROUND SNOW LOAD:	15.0 psf. (MAX)
ROOF SNOW LOAD:	12.6 psf. (MAX)
WIND SPEED:	117 mph.
CLOSED / OPEN:	Closed
EXPOSURE:	C
IMPORTANCE - WIND:	1.00
IMPORTANCE - SEISMIC:	1.00
IMPORTANCE - SNOW:	1.00
SEISMIC CATEGORY:	C
SEISMIC COEFFICIENT:	0.28
SEISMIC S1:	0.084
SEISMIC Sds:	0.187
SEISMIC Sd1:	0.134
SEISMIC BASE SHEAR:	0.667*Ie*Fa*Ss*W/R
INTERNAL WIND COEFFICIENT:	-0.18 / +0.18
OCCUPANCY:	II - Normal

STANDARD ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	EOS	EDGE OF SLAB	OA	OVERALL
APPR	APPROXIMATE	FBO	FURNISHED BY OTHERS	OC	ON CENTER
BLDG	BUILDING	FND	FOUNDATION	OD	OUTSIDE DIAMETER
BLK	BLOCK	FOB	FACE OF BLOCK / BRICK	OPP	OPPOSITE
BM	BEAM	FOS	FACE OF STEEL	PTN	PARTITION
BOT	BOTTOM	FT	FOOT / FEET	RAD	RADIUS
BLK	BLOCK	FTG	FOOTING	REF	REFERENCE
C/L	CENTERLINE	GA	GAUGE	REQD	REQUIRED
CJ	CAULK JOINT	GALV	GALVANIZED	REINF	REINFORCED
CLG	CEILING	GC	GENERAL CONTRACTOR	RO	ROUGH OPENING
COL	COLUMN	GRND	GROUND	SECT	SECTION
CONC	CONCRETE	GR	GRADE	SF	SQUARE FOOTAGE
CTR	CENTER	GYP	GYPSUM WALL BOARD	SIM	SIMILAR
DBL	DOUBLE	HORIZ	HORIZONTAL	SQ	SQUARE
DET	DETAIL	HT	HEIGHT	STD	STANDARD
DIA	DIAMETER	INS	INSULATION	STL	STEEL
DWG	DRAWING	INT	INTERIOR	TOB	TOP OF BEAM
DIM	DIMENSION	INFO	INFORMATION	TOC	TOP OF CONCRETE
DR	DOOR	JT	JOINT	TOS	TOP OF STEEL
EA	EACH	MAX	MAXIMUM	TOW	TOP OF WALL
ET	ERECTION TOLERANCE	MIN	MINIMUM	TYP	TYPICAL
EJ	EXPANSION JOINT	MISC	MISCELLANEOUS	UNO	UNLESS NOTED OTHERWISE
EL	ELEVATION	MTL	METAL	VAR	VARIES
EXIST	EXISTING	NIC	NOT IN CONTRACT	VERT	VERTICAL
EXP	EXPANSION	NTS	NOT TO SCALE	VIF	VERIFY IN FIELD
EXT	EXTERIOR	NA	NOT APPLICABLE	WO	WITHOUT
		NO	NUMBER	WT	WEIGHT

STRUCTURAL ABBREVIATIONS

BA	BASE ANGLE	L4216 - 4" x 2" x 16 Ga. Angle
BC6	BASE CHANNEL	U62516 - 6 1/8" x 2 5/8" x 16 Ga. Channel
C6	6" COLUMN	C62516 - 6" x 2 1/2" x 16 Ga. Cee
C635	6" COLUMN	C63516 - 6" x 3 1/2" x 16 Ga. Cee
DH	DOOR HEADER	C62516 - 6" x 2 1/2" x 16 Ga. Cee
DJ	DOOR JAMB	C63516 - 6" x 3 1/2" x 16 Ga. Cee
EC	EAVE CHANNEL	U62514 - 6 1/8" x 2 5/8" x 14 Ga. Channel
HEC	HIGH EAVE CHANNEL	U62514 - 6 1/8" x 2 5/8" x 14 Ga. Channel
ES	EAVE STRUT	ES6416 - 6" x 4" x 16 Ga. Strut
FC	FLOOR CLIP	Manufactured Part
G	GIRT	C62516 - 6" x 2 1/2" x 16 Ga. Cee
HA	HALL ANGLE	L4216 - 4" x 2" x 16 Ga. Angle
JR	JACK RAFTER	C62516 - 6" x 2 1/2" x 16 Ga. Cee
M	MULLION	C12416 - 12" x 4" x 16 Ga. Cee
MCLP	MINI CLIP	Manufactured Part
PA	PARTITION ANGLE	L4216 - 4" x 2" x 16 Ga. Angle
PC	PARTITION CEE	C2218 - 2" x 2" x 18 Ga. Cee
RA	RAKE ANGLE	L4216 - 4" x 2" x 16 Ga. Angle
RC	RAKE CLIP	Manufactured Part
RS	RIDGE STRUT	RS6416 - 6" x 4" x 16 Ga. Strut
SPD	BASE ANGLE	SPD42216 - 4" x 2" x1 1/2" Angle
Z4	4" Z PURLIN	Z42516 - 4" x 2 1/2" x 16 Ga. Zee
Z6	6" Z PURLIN	Z62516 - 6" x 2 1/2" x 16 Ga. Zee
Z64	6" Z PURLIN	Z62519 - 6" x 2 1/2" x 19 Ga. Zee
Z8	8" Z PURLIN	Z82516 - 8" x 2 1/2" x 16 Ga. Zee
Z10	10" Z PURLIN	Z102516 - 10" x 2 1/2" x 16 Ga. Zee
Z12	12" Z PURLIN	Z122516 - 12" x 2 1/2" x 16 Ga. Zee

SHEET ABBREVIATIONS

RL	29 Ga. SSX LINER PANEL
SSR	SSII 24 Ga. SSR PANEL
RW	26 Ga. SSX WALL PANEL
ML	29 Ga. LRX LINER PANEL
MW	26 Ga. LRX WALL PANEL
RML	29 Ga. REVERSE LR PARTITION PANEL
RMW	26 Ga. REVERSE LRX WALL PANEL
SSR	SSII 24 Ga. SSR PANEL

SSR ABBREVIATIONS

SS2BUP 24"	24" BACK UP PLATE
SS2ED 24"	24" OUTSIDE CLOSURE
EP7600	EAVE PLATE - LOW
HW-7616	EAVE PLATE - HIGH
HW-200	FIXED CLIP - LOW
HW-204	FIXED CLIP - HIGH
HW-426	INSIDE CLOSURE
CS324	CINCH STRAP
GS501	GUTTER STRAP
SS2RSLG	RAKE PLATE - LOW
SS2RSLG	RAKE PLATE - HIGH

TRIM ABBREVIATIONS

DFR	DIE FORMED RIDGE CAP
MT-134	DOOR JAMB COVER
DS-101	DOWNSPOUT WITH DIVERTER
DSS-105	DOWNSPOUT STRAP
JHC-04	DOOR HEADER COVER
ET-80	EAVE TRIM
FL-134	RAKE END
GS-501	GUTTER STRAP
CM-406	HALF MULLION COVER
FL-17	HIGH SIDE EAVE TRIM
FL-26	HEAD TRIM
IA	INSIDE ANGLE
ICT-801	INSIDE CORNER
ICB	INSIDE CORNER BOX
ISCL	INSIDE CLOSURE
JT-101	JAMB TRIM
MU-412	12" MULLION COVER
MU-424	24" MULLION COVER
OA	OUTSIDE ANGLE
CT-102	OUTSIDE CORNER
FL-16C	OUTSIDE CORNER BOX
OSCL	OUTSIDE CLOSURE
FL-125	PEAK BOX
MT-139	PARTITION TOP TRIM
FL-240A	GUTTER
FL-110	RAKE TRIM
SSC	SILICONE SEALANT CAULK
MT-101	SIDEWALL FLASHING
WT-101	WAINSCOT TRIM

FASTENER ABBREVIATIONS

SB	1/2" x 3" SCREW BOLT - DeWalt SCREW-BOLT + (PFM1411380)	BASE TO SLAB CONNECTIONS
DP	1/4" x 1 1/4" DRIVE PIN	BASE TO SLAB CONNECTIONS
MFS058NW	#10 x 5/8" SD NO WASHER	SPECIAL TRIM CONNECTIONS
MFS100	#12 x 1" SD	STRUCTURAL STEEL CONNECTIONS
MFS114	#12 x 1 1/4" SD	WALL SHEETING
MFSZAC114	#12 x 1 1/4" LONG LIFE SD	ROOF SHEETING
LSO78	#14 x 7/8" LAP SCREW	WALL PANEL LAP
LSZAC078	#14 x 7/8" LONG LIFE LAP SCREW	ROOF PANEL LAP
PR	1/8" POP RIVET	TRIM CONNECTIONS
MFS0100	#17-14 x 1" SELF TAPPING	SS-II END LAP ATTACHMENT
MFS0112	1/4"-14 x 1 1/2" SD	SS-II CLIP ATTACHMENT

Notes:

NORTH CAROLINA PROFESSIONAL SEAL 045112 ENGINEER COLEMAN D. LARSEN 2/21/24

CENTERLINE STRUCTURAL ENGINEERING, PLLC No. P-2735 CERTIFICATE OF AUTHORIZATION

REV:	DESCRIPTION:	BY:	DATE:

STATUS: CONSTRUCTION ISSUE

12226-33773-S3

PEAK STEEL

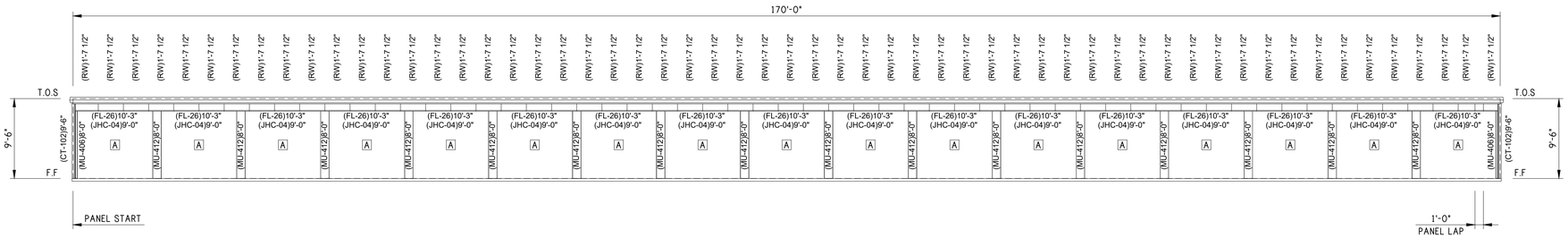
CLIENT:
P.O. BOX 1275
Madison, GA 30650
Phone: (844) 333-7325
Fax: (706) 343-1968

SITE: FUQUAY VARINA NC 27526

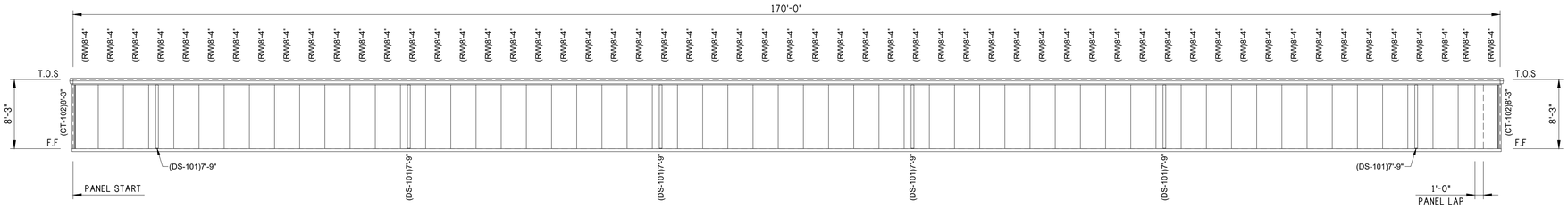
TITLE: 30' x 170 'x 9'-6" HS

SIZE:	DATE:	DRAWN:	CHECKED:
	02/16/24	NMB	ALI

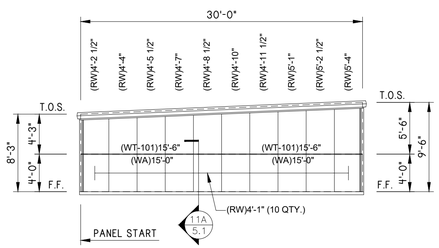
SHEET NO:	DRAWING NO:	REVISION:
1 of 8	12226-33773-S3	



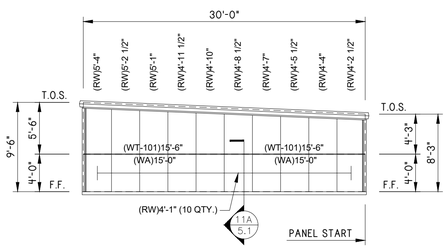
FRONT ELEVATION



REAR ELEVATION



LEFT ELEVATION



RIGHT ELEVATION

EXTERIOR ELEVATION

Notes:

DOOR SCHEDULE

A (17) 9'-0" X 8'-0" FRAMED OPENINGS

NORTH CAROLINA PROFESSIONAL SEAL 045112 ENGINEER COLEMAN D. LARSEN

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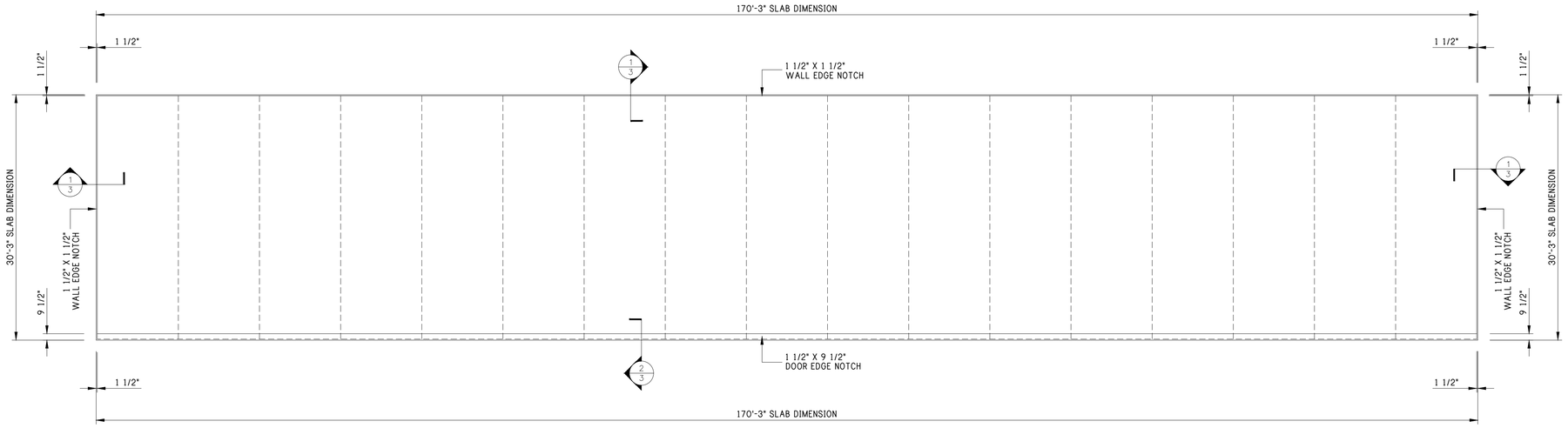
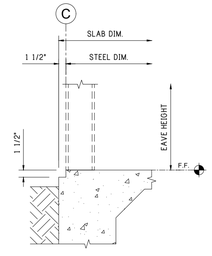
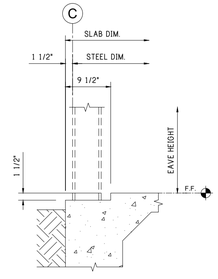


SLAB PLAN



1 SLAB NOTCH - WALL EDGE
1-1/2" x 1 1/2" NOTCH



2 SLAB NOTCH - DOOR EDGE
1-1/2" x 9 1/2" NOTCH

Notes:

1. FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF THE BUILDING MANUFACTURER.
2. THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES UPON THE FOUNDATION.

NORTH CAROLINA PROFESSIONAL SEAL 045112 ENGINEER COLEMAN D. LARSEN
2/21/24

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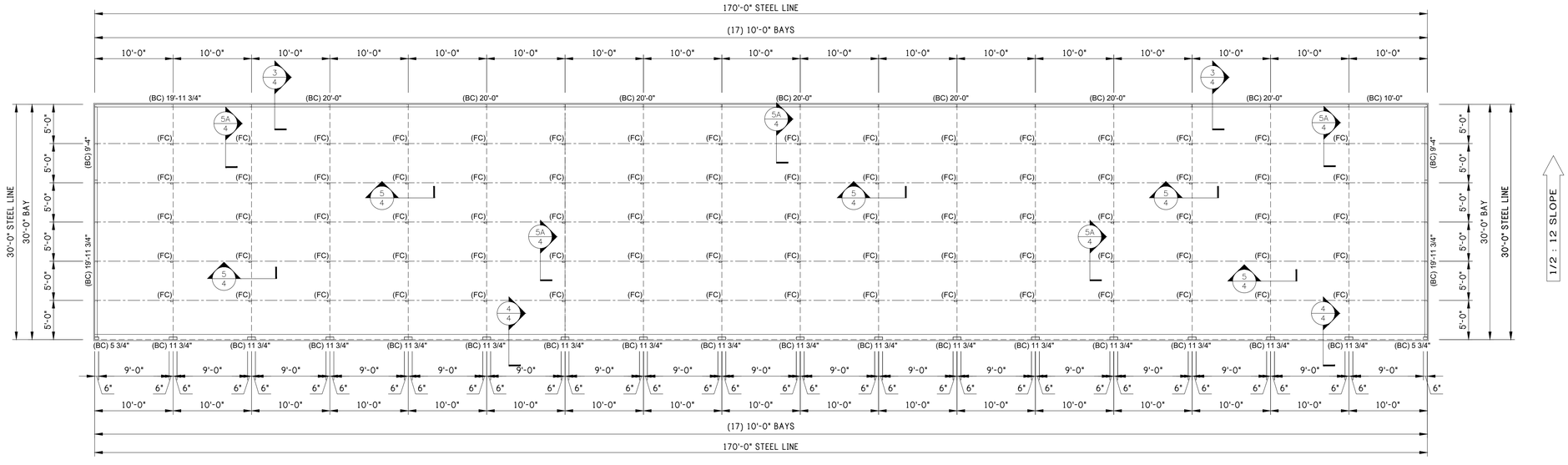
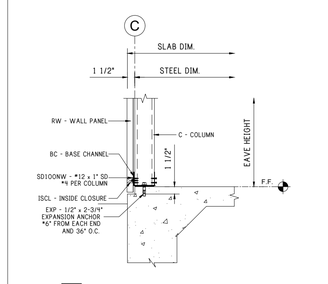
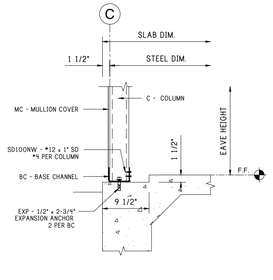


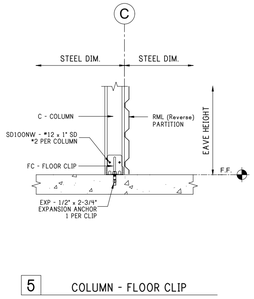
FLOOR PLAN



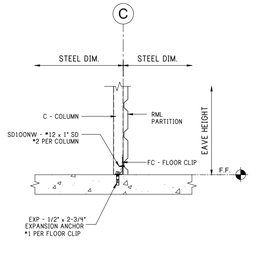
3 BASE CHANNEL - WALL EDGE



4 BASE CHANNEL - DOOR EDGE



5 COLUMN - FLOOR CLIP



5A COLUMN - FLOOR CLIP

Notes:

NORTH CAROLINA PROFESSIONAL SEAL 045112 ENGINEER COLEMAN D. LARSEN

2/21/24

NORTH CAROLINA CENTERLINE STRUCTURAL ENGINEERING, PLLC No. P-2735 CERTIFICATE OF AUTHORIZATION

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P.O. BOX 1275
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Fax: (706) 343-1968

SITE:
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NC 27526

TITLE:
30' x 170 'x 9'-6" HS

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SHEET NO:	DRAWING NO:	REVISION:
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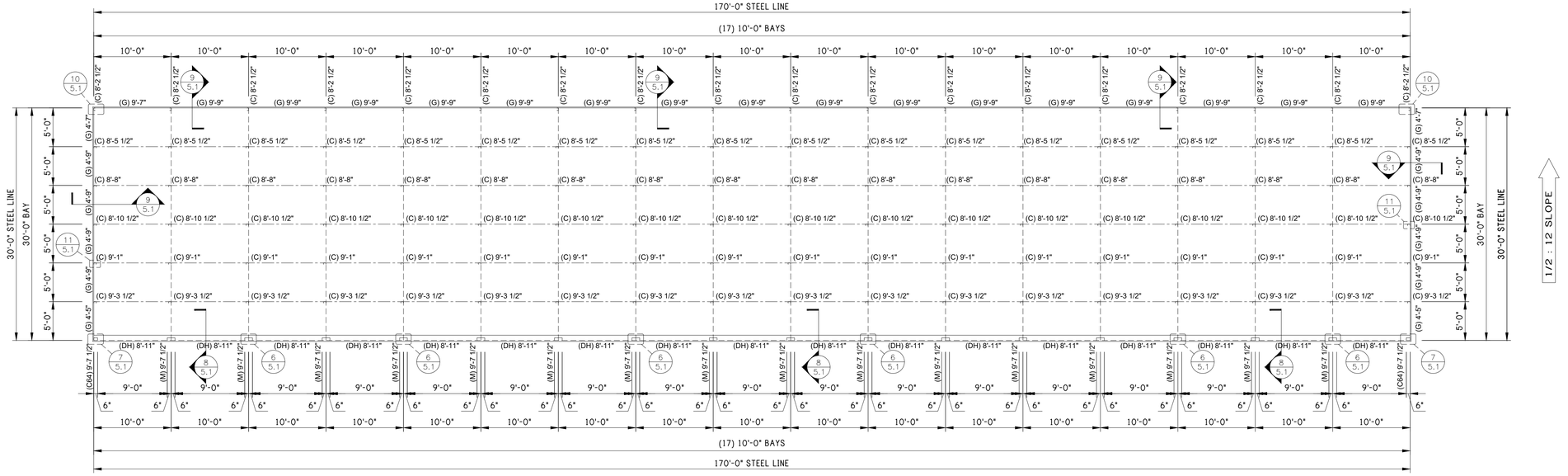

FRAMING PLAN

Notes:

1. COLUMN SPACING IS ON 5'-0" GRID UNLESS OTHERWISE NOTED. SEE DETAILS FOR COLUMN PLACEMENT.

NORTH CAROLINA PROFESSIONAL SEAL 045112 ENGINEER COLEMAN D. LARSEN
2/2.1/24

NORTH CAROLINA CENTERLINE STRUCTURAL ENGINEERING, PLLC No. P-2735 CERTIFICATE OF AUTHORIZATION

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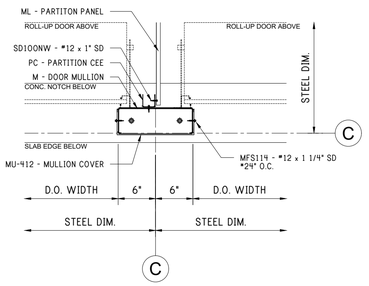
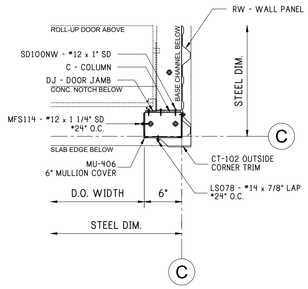
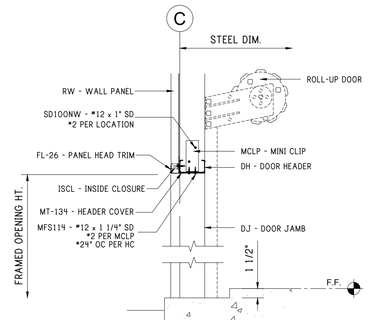


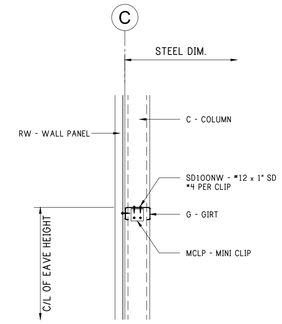
6 12" DOOR MULLION



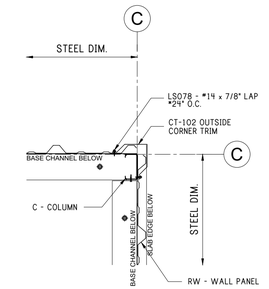
7 6" DOOR JAMB AT CORNER



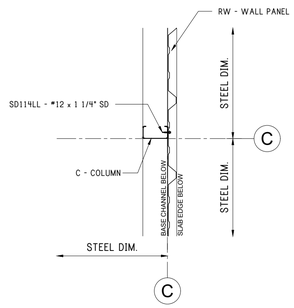
8 DOOR HEADER



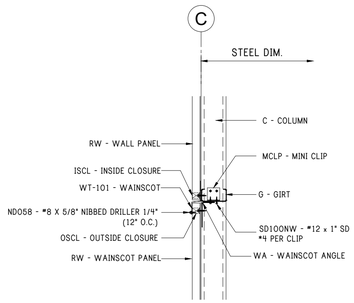
9 GIRT - TYPICAL



10 OUTSIDE CORNER



11 COLUMN AT WALL



11A WAINSCOT TRANSITION

FRAMING DETAILS

CONFIDENTIAL AND PROPRIETARY INFORMATION

Notes:

NORTH CAROLINA PROFESSIONAL SEAL 045112 ENGINEER COLEMAN D. LARSON

NORTH CAROLINA CENTERLINE STRUCTURAL ENGINEERING, PLLC No. P-2735 CERTIFICATE OF AUTHORIZATION

2/21/24

REV:	DESCRIPTION:	BY:	DATE:

STATUS: CONSTRUCTION ISSUE

12226-33773-S3

PEAK STEEL

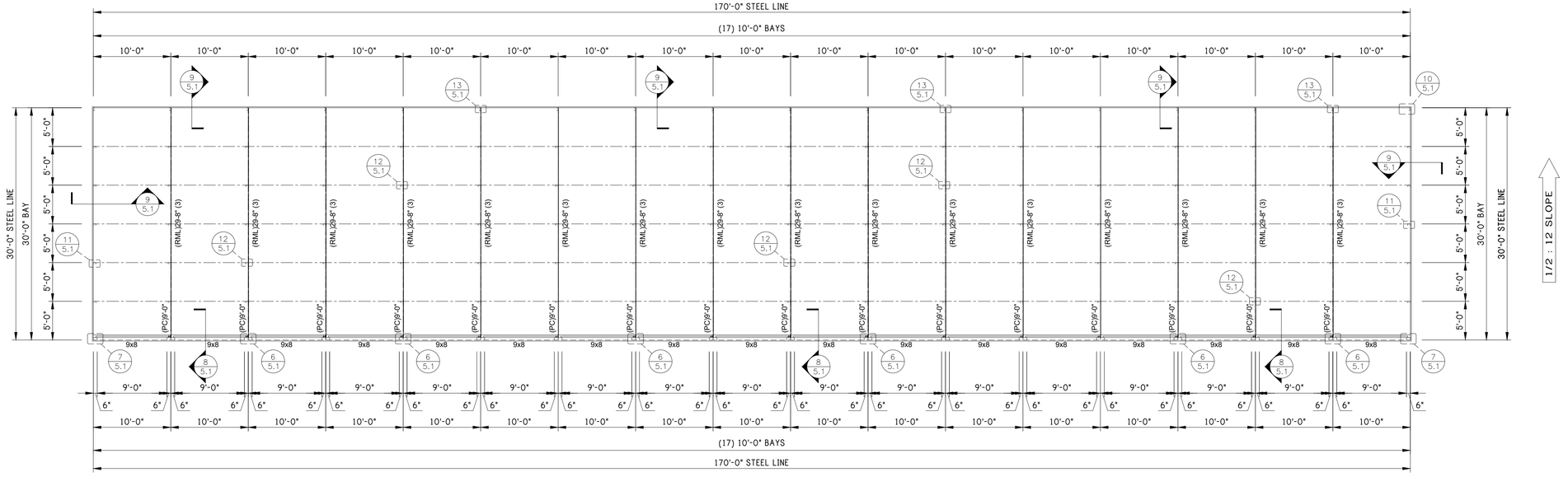
CLIENT:
P.O. BOX 1275
Madison, GA 30650
Phone: (844) 333-7325
Fax: (706) 343-1968

SITE:
FUQUAY VARINA
NC 27526

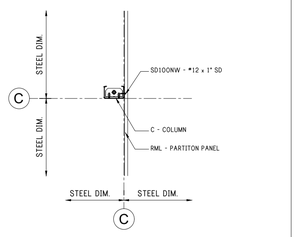
TITLE:
30' x 170 'x 9'-6" HS

SIZE:	DATE:	DRAWN:	CHECKED:
	02/16/24	NMB	ALI

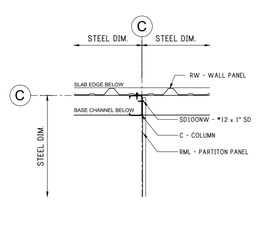
SHEET NO:	DRAWING NO:	REVISION:
5.1 of 8	12226-33773-S3	



PARTITION PLAN



12 CHANNEL AT COLUMN



13 PARTITION AT WALL

Notes:

NORTH CAROLINA PROFESSIONAL SEAL 045112 ENGINEER COLEMAN D LARSEN 2/21/24

NORTH CAROLINA CENTERLINE STRUCTURAL ENGINEERING, PLLC No. P-2735 CERTIFICATE OF AUTHORIZATION

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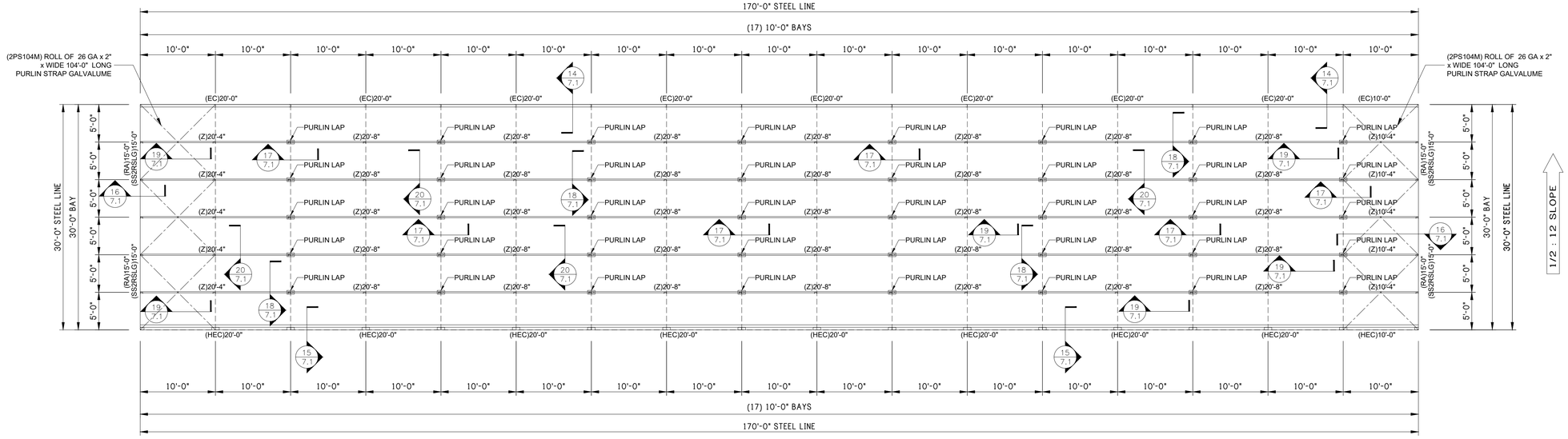
SHEET NO:	DRAWING NO:	REVISION:
6 of 8	12226-33773-S3	



RAFTER PLAN

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.

Notes:

NORTH CAROLINA PROFESSIONAL SEAL 045112 ENGINEER COLEMAN D. LARSEN 2/21/24

NORTH CAROLINA CENTERLINE STRUCTURAL ENGINEERING, PLLC No. P-2735 CERTIFICATE OF AUTHORIZATION

REV:	DESCRIPTION:	BY:	DATE:

STATUS: CONSTRUCTION ISSUE

12226-33773-S3

PEAK STEEL

CLIENT:
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Madison, GA 30650
Phone: (844) 333-7325
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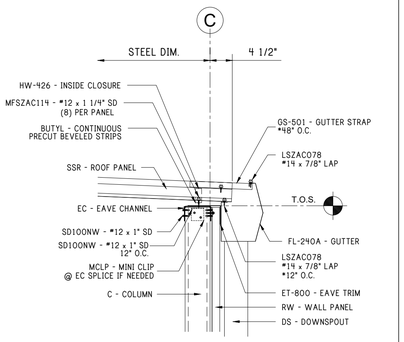
SITE: FUQUAY VARINA NC 27526

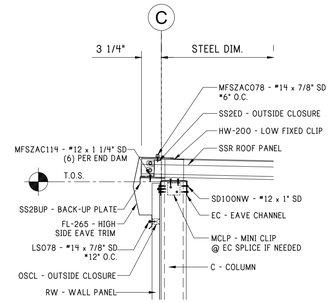
TITLE: 30' x 170 'x 9'-6" HS

SIZE:	DATE:	DRAWN:	CHECKED:
	02/16/24	NMB	ALI

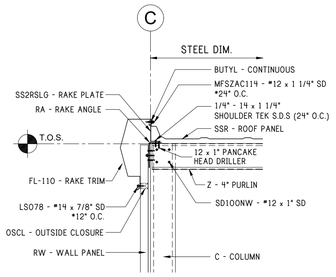
SHEET NO:	DRAWING NO:	REVISION:
7 of 8	12226-33773-S3	



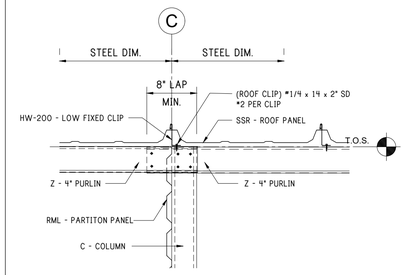
14 LOW EAVE w/ GUTTER



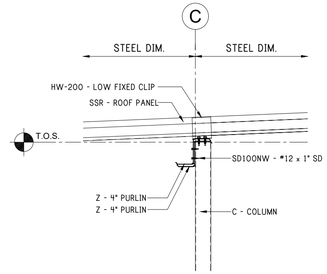
15 HIGH EAVE



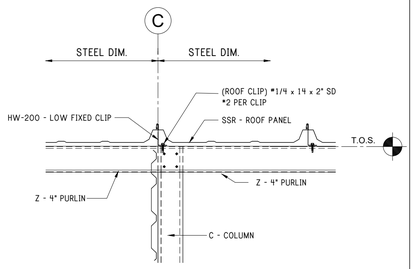
16 RAKE AT 4" PURLIN



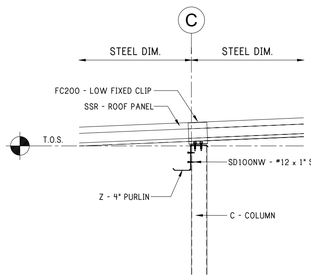
17 4" PURLIN LAP
SIDE VIEW



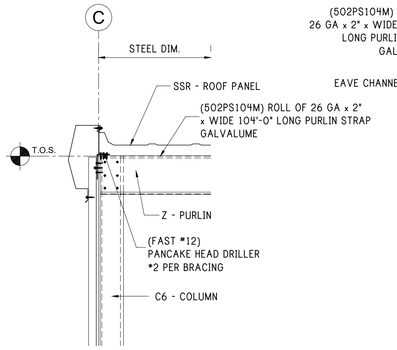
18 4" PURLIN LAP
SECTION VIEW



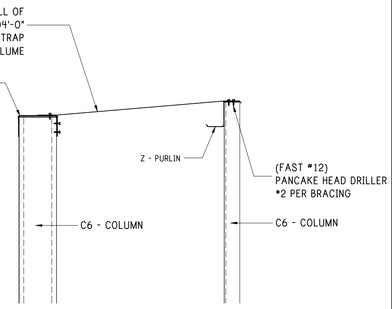
19 4" PURLIN
SIDE VIEW



20 4" PURLIN
SECTION VIEW



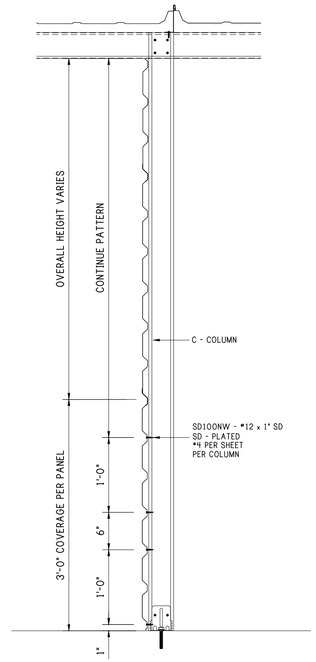
STRAPPING AT RAKE
SECTION VIEW



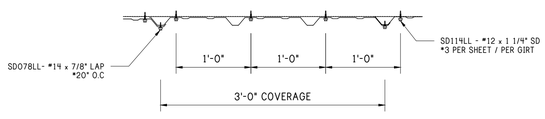
STRAPPING AT EAVE CHANNEL
SECTION VIEW

ERECTOR NOTE

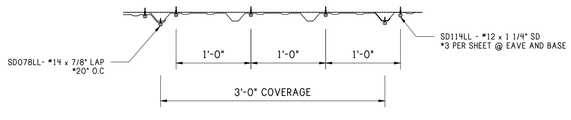
TOP PARTITION PANEL MAY BE BACK LAPPED AS NEEDED.



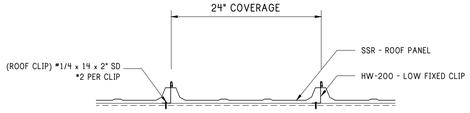
FASTENING LAYOUT @ COLUMN
REV. LRX-PANEL PARTITION



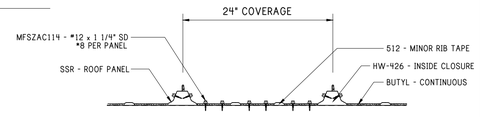
FASTENING @ GIRT & DOOR HEAD
SSX-PANEL WALL



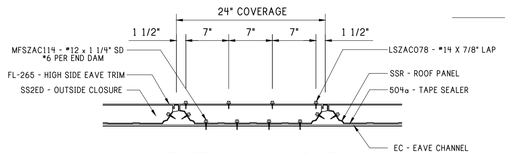
FASTENING @ EAVE & BASE
SSX-PANEL WALL



FASTENING @ PURLIN
SSR-PANEL ROOF



FASTENING @ EAVE
SSR-PANEL ROOF



FASTENING @ HIGH EAVE
SSR-PANEL ROOF

RAFTER & ATTACHMENT DETAILS

Notes:

NORTH CAROLINA PROFESSIONAL SEAL 045112 ENGINEER COLEMAN D. LARSEN 2/21/24

NORTH CAROLINA CENTERLINE STRUCTURAL ENGINEERING, PLLC No. P-2735 CERTIFICATE OF AUTHORIZATION

REV:	DESCRIPTION:	BY:	DATE:
STATUS:	CONSTRUCTION ISSUE		

12226-33773-S3

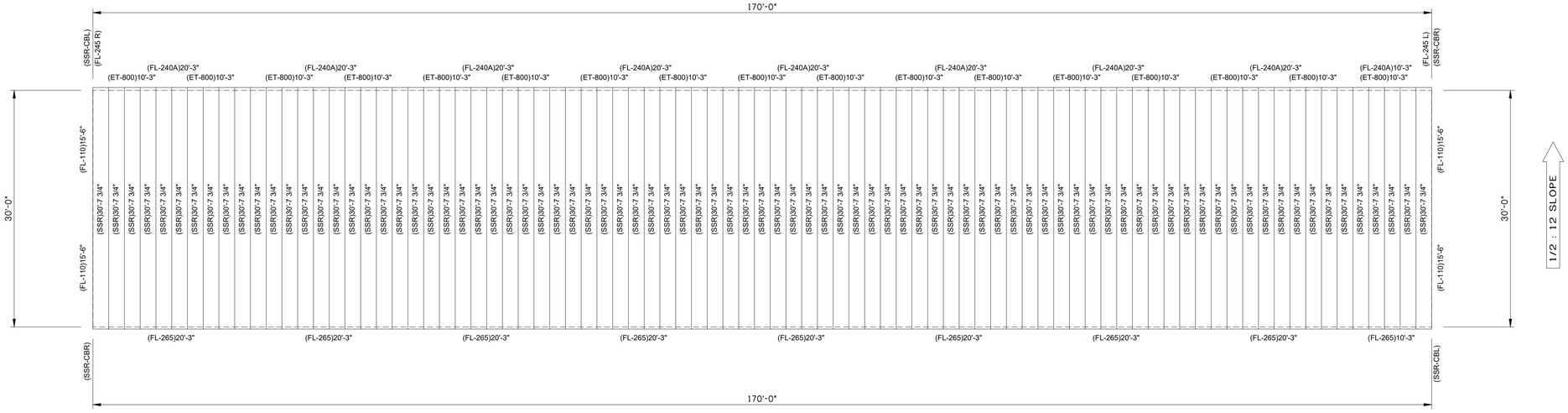
PEAK STEEL
CLIENT:
P.O. BOX 1275
Madison, GA 30650
Phone: (844) 333-7325
Fax: (706) 343-1968

SITE: FUQUAY VARINA NC 27526

TITLE: 30' x 170 'x 9'-6" HS

SIZE:	DATE:	DRAWN:	CHECKED:
	02/16/24	NMB	ALI

SHEET NO:	DRAWING NO:	REVISION:
7.1 of 8	12226-33773-S3	



1/2 : 12 SLOPE

ROOF PLAN

Notes:

1. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR SS-II ROOF INFORMATION AND INSTALLATION INSTRUCTIONS.

CLOSURES
(190) INSIDE CLOSURES INCLUDED FOR BASE OF EXTERIOR WALL PANELS.
(20) INSIDE CLOSURES INCLUDED FOR WAINSCOT OF EXTERIOR WALL PANELS.
(80) OUTSIDE CLOSURES INCLUDED FOR RAKE AND HIGH EAVE
(20) OUTSIDE CLOSURES INCLUDED FOR WAINSCOT OF EXTERIOR WALL PANELS.

NORTH CAROLINA PROFESSIONAL SEAL 045112 ENGINEER COLEMAN D. LARSEN 2/21/24

CENTERLINE STRUCTURAL ENGINEERING, PLLC No. P-2735 NORTH CAROLINA CERTIFICATE OF AUTHORIZATION

REV:	DESCRIPTION:	BY:	DATE:

STATUS: CONSTRUCTION ISSUE

12226-33773-S3

PEAK STEEL

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SIZE:	DATE:	DRAWN:	CHECKED:
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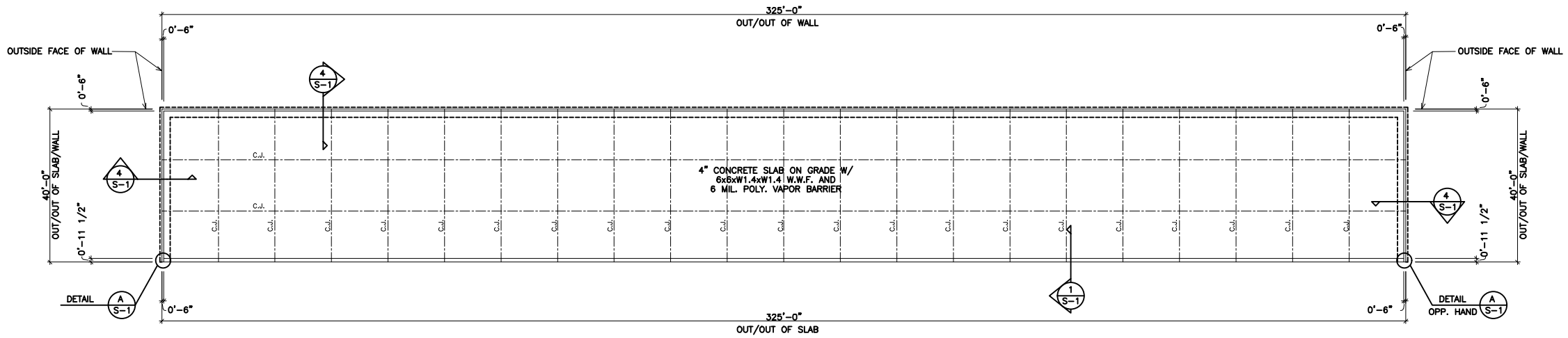
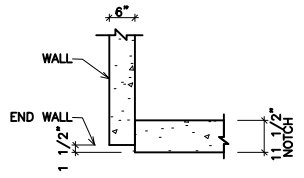
SHEET NO:	DRAWING NO:	REVISION:
8 of 8	12226-33773-S3	



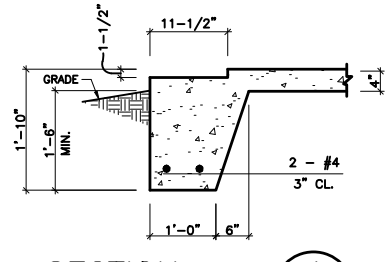
FOUNDATION PLAN—BLDG BR1

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



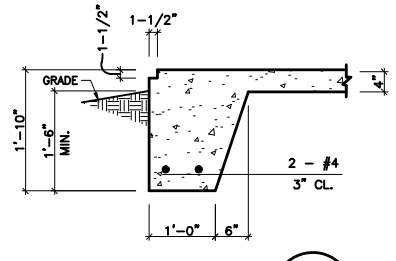
DETAIL A / S-1

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



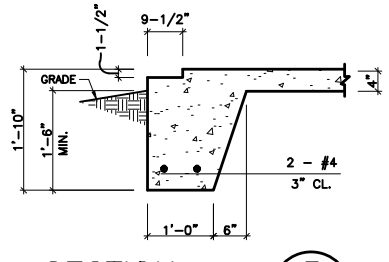
SECTION 1 / S-1

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



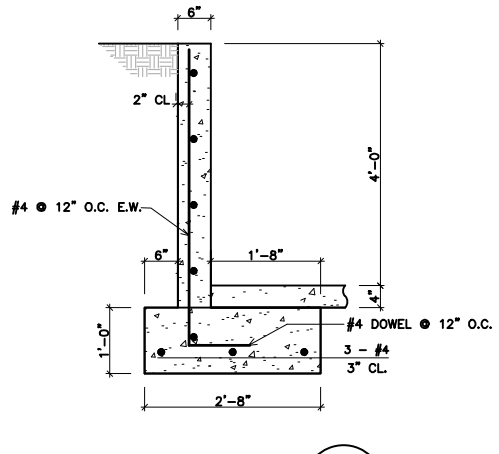
SECTION 2 / S-1

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



SECTION 3 / S-1

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



SECTION 4 / S-1

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

GENERAL NOTES

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" x 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.

C.H. MOSS, P.E.
SOLE PROPRIETOR
P.O. BOX 28
COVINGTON, GA 30015
(770)-786-3163

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 31066 CHARLES H. MOSS, JR. 3/07/2024

NO	DATE	REVISION	BY

JOB NO. 12226-33770-BR1
COMPUTED BY: ML
DRAWN BY:
CHECKED BY: HM
DATE: MARCH 07, 2024
SCALE: 1/16" = 1'-0"

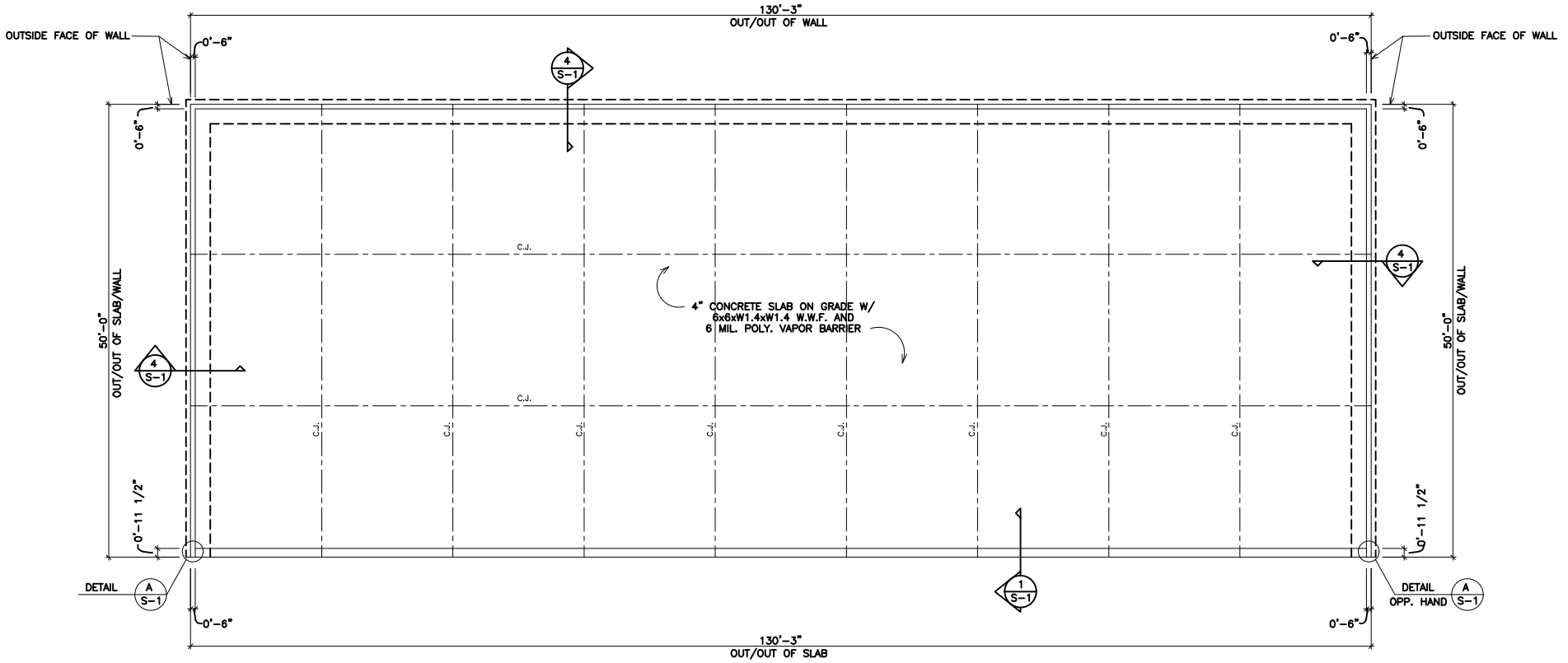
FOUNDATION PLAN FOR:

BAUCOM BUSINESS PLAZA

FUQUAY VARINA, NC

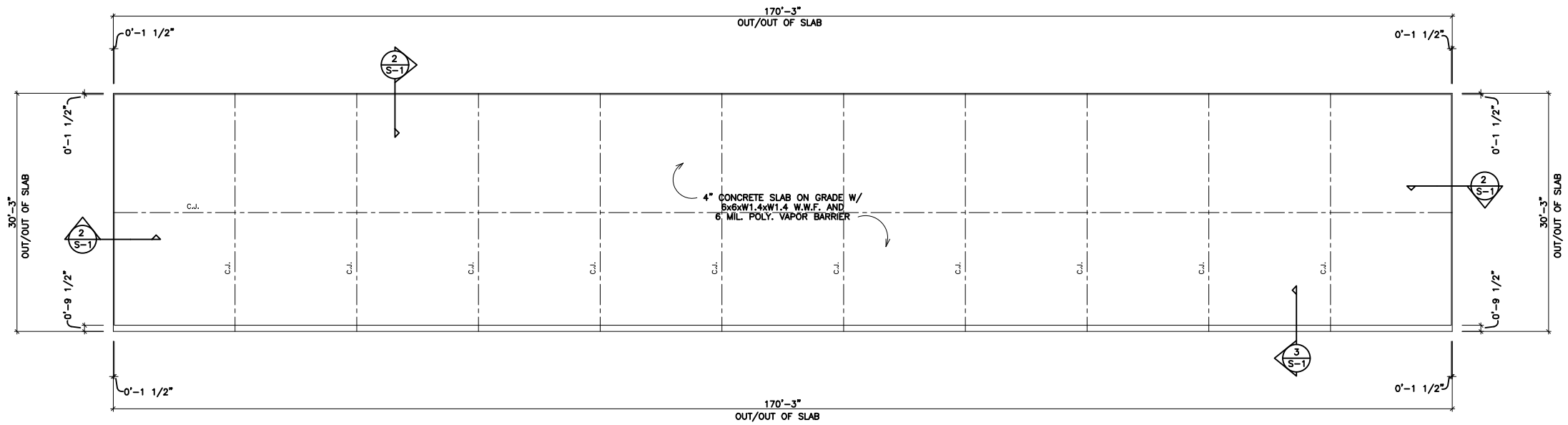
DRAWING NUMBER
3786

SHEET S-1 OF: 4



FOUNDATION PLAN – BLDG BR3

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



FOUNDATION PLAN – BLDG S3

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

C.H. MOSS, P.E.
SOLE PROPRIETOR
P.O. BOX 28
COVINGTON, GA 30015
PH: (770) 786-3163

03/07/2024

NO	DATE	REVISION	BY
•	•	•	•

JOB NO.	12228-93770-BR1
COMPUTED BY:	ML
DRAWN BY:	HM
CHECKED BY:	
DATE:	MARCH 07, 2024
SCALE:	1/8" = 1'-0"

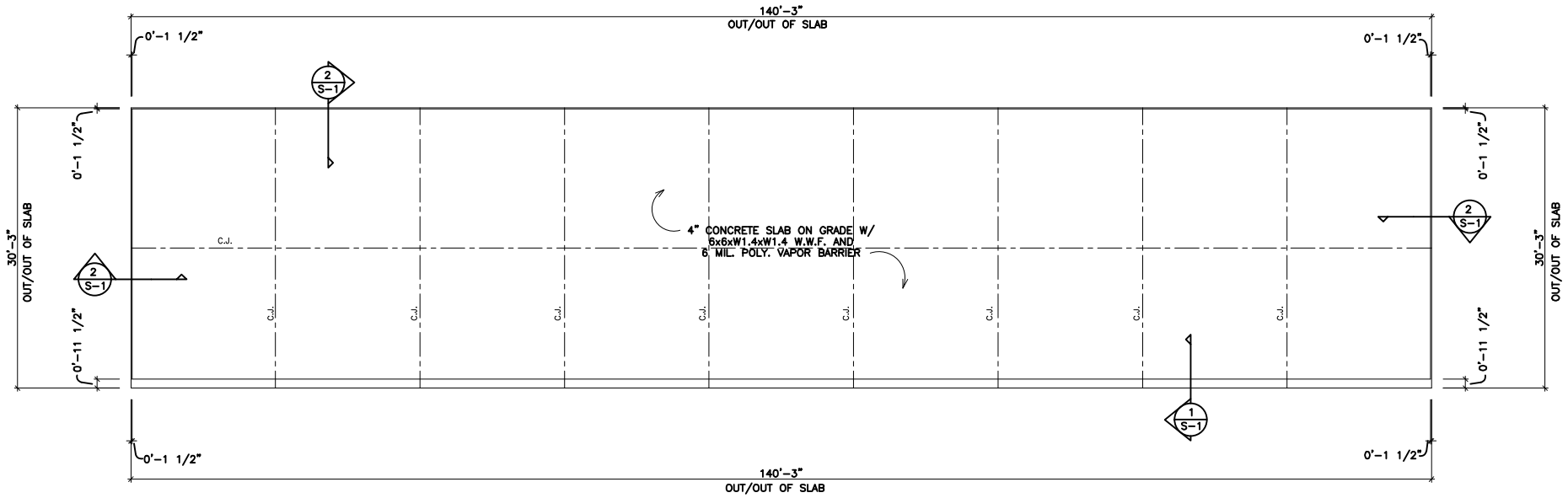
FOUNDATION PLAN FOR:

BAUCOM BUSINESS PLAZA

FUQUAY VARINA, NC

DRAWING NUMBER
3786

SHEET	OF:
S-2	4



FOUNDATION PLAN – BLDG S4

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

C.H. MOSS, P.E.
SOLE PROPRIETOR
P.O. BOX 28
COVINGTON, GA 30015
PH: (770) 786-3163

03/07/2024

NO	DATE	REVISION	BY
•	•	•	•

JOB NO.	12228-93770-BRI
COMPUTED BY:	ML
DRAWN BY:	ML
CHECKED BY:	HM
DATE:	MARCH 07, 2024
SCALE:	1/8" = 1'-0"

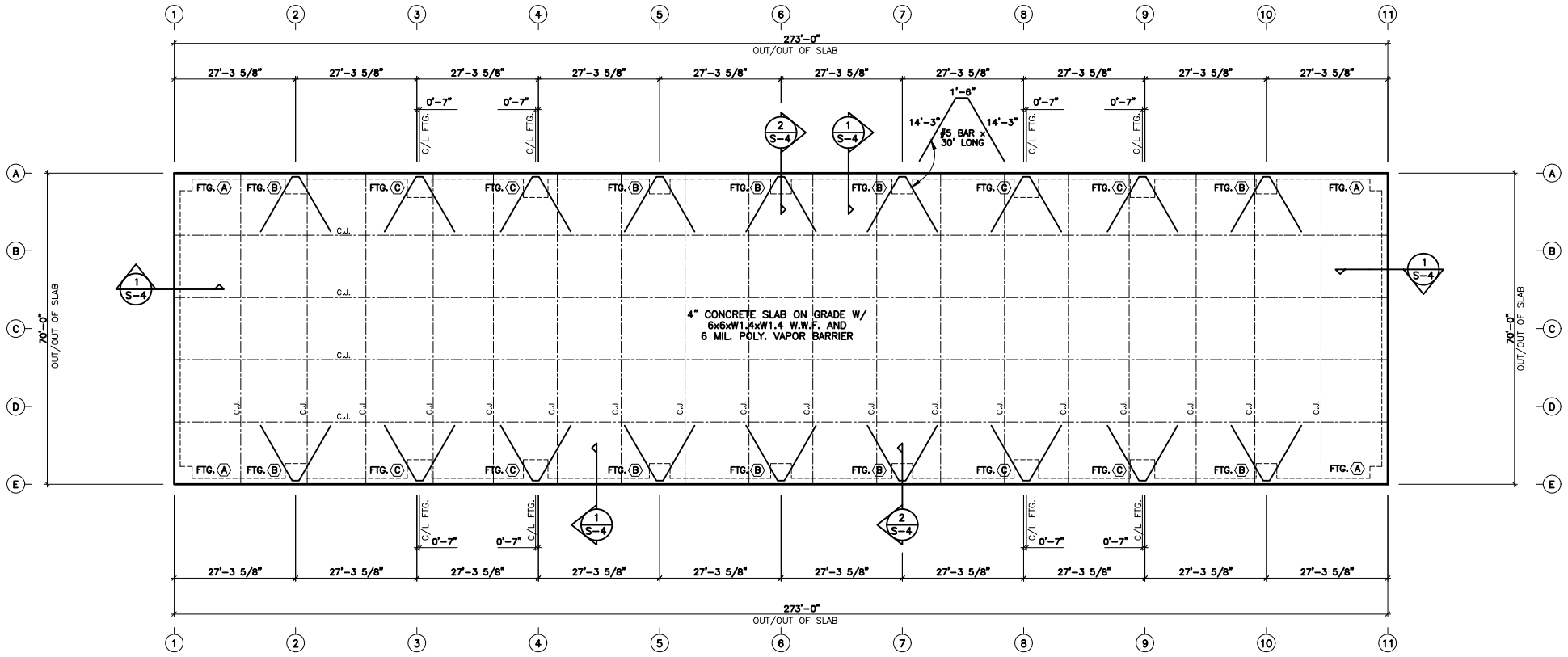
FOUNDATION PLAN FOR:

BAUCOM BUSINESS PLAZA

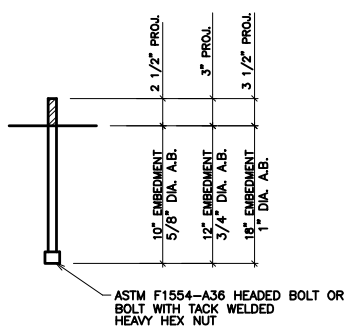
FUQUAY VARINA, NC

DRAWING NUMBER
3786

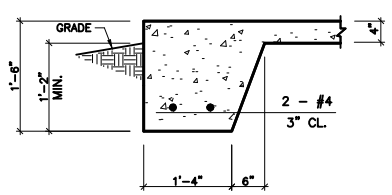
SHEET	OF:
S-3	4



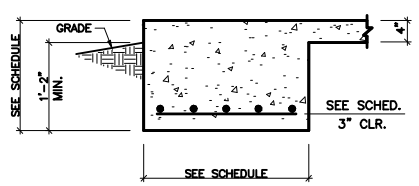
FOUNDATION PLAN
SCALE: 1/16" = 1'-0"



ANCHOR BOLT DETAIL



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



SECTION 2/S-4
SCALE: 3/4" = 1'-0"

FOOTING SCHEDULE

TYPE	SIZE	REINFORCING
FTG. (A)	4'-0" x 4'-0" x 1'-6"	5 - #4 E.W.
FTG. (B)	4'-8" x 4'-8" x 1'-10"	6 - #4 E.W.
FTG. (C)	5'-6" x 5'-6" x 1'-10"	7 - #4 E.W.

GENERAL NOTES

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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" x 1" DEEP SAWN WITHIN 24 HOURS AFTER PLACING CONCRETE. METAL JOINT MATERIAL MAY BE USED.
5. FOUNDATION BASED ON REACTIONS FURNISHED BY PEAKSTEEL BUILDINGS INC., JOB NO. 12252-33816, DATED 01/30/2024.

C.H. MOSS, P.E.
SOLE PROPRIETOR
P.O. BOX 28
COVINGTON, GA 30015
(770)-786-3163

SEAL 1066 — NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER — CHARLES H. MOSS, JR. — 3/07/2024

NO	DATE	REVISION	BY

JOB NO. 12252-33816
COMPUTED BY: ML
DRAWN BY:
CHECKED BY: HM
DATE: MARCH 7, 2024
SCALE: 1/16" = 1'-0"

FOUNDATION PLAN FOR:
BAUCOM BUSINESS PLAZA
FUQUAY VARINA, NC

DRAWING NUMBER
3786

SHEET	OF:
S-4	4

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.

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.

G3. ALL ELECTRICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR.

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.

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.

G6. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE FROM THE DATE OF SUBSTANTIAL COMPLETION.

G7. A COMPLETE GROUNDING SYSTEM SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH ARTICLE 250 OF THE NEC, AND AS SHOWN ON THE DRAWINGS.

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.

G9. PROVIDE A TYPED DIRECTORY IN ALL PANELBOARDS CLEARLY DESCRIBING THE LOCATION AND TYPE OF LOAD SERVED FOR ALL CIRCUITS.

G10. THE ELECTRICAL CONTRACTOR SHALL REQUEST A SELECTIVE BREAKER COORDINATION STUDY FROM THE ELECTRICAL GEAR MANUFACTURER PER NEC 700 REQUIREMENTS.

G11. 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.

G12. PROVIDE "FLASH HAZARD" LABELS FOR ALL PANELBOARDS IN ACCORDANCE WITH NEC REQUIREMENTS.

G13. ALL TERMINALS/LUGS SHALL BE 60 DEGREE/75 DEGREE RATED.

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 UNLESS NOTED OTHERWISE.

G15. ALL WATER HEATERS SHALL HAVE DISCONNECT SIZED PER 422.11(E)(3).

G16. ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT REGARDLESS OF WHO SUPPLIES THE EQUIPMENT. THIS INCLUDES ALL HVAC, PLUMBING AND OWNER FURNISHED EQUIPMENT CONNECTIONS OF 120V OR HIGHER.

G17. 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:

1. 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.

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.

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.

G29. EXACT LOCATION OF ALL FLOOR-MOUNTED OUTLETS SHALL BE COORDINATED WITH THE OWNER/ARCHITECT BEFORE 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 BE INSTALLED WITH A MINIMUM DISTANCE BETWEEN UNITS.

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.

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:

* 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.

G37. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING RESTRAINTS TO RESIST THE EARTHQUAKE EFFECTS ON THE ELECTRICAL SYSTEM. THE REQUIREMENTS FOR THOSE RESTRAINTS ARE FOUND IN THE IBC, THE ANCHORING OF THE EQUIPMENT SHALL COMPLY WITH IBC SECTION 1613.

G38. IF DURING THE COURSE OF WORK THE ELECTRICAL CONTRACTOR DISCOVERS A PROBLEM WITH THE PERFORMANCE OF THE INSTALLATION RELATIVE TO THE PLANS AND SPECIFICATIONS OR NEC OR OTHER CODES, THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY BRING THE PROBLEM TO THE ATTENTION OF THE ARCHITECT AND ENGINEER FOR RESOLUTION PRIOR TO THE EXECUTION OF THE WORK.

G39. SEE PANEL SCHEDULES FOR BRANCH CIRCUIT CONDUCTOR SIZES. THE "WIRE SIZE" COLUMN INDICATES THE SIZE OF THE PHASE (IE HOT) AND NEUTRAL CONDUCTORS. THE EC SHALL SIZE THE EQUIPMENT GROUNDING CONDUCTORS PER NEC TABLE 250.122, THE EC SHALL SIZE THE CONDUIT (IF REQUIRED) PER NEC ANNEX C. THE QUANTITY OF CONDUCTORS IS BASED ON THE "POLE" COLUMN AND FOLLOWS THE PROCESS BELOW, PARALLEL SET QUANTITIES ARE MULTIPLIED BY THE NUMBER OF SETS:

120V/277V - 1 POLE
1 - PHASE (IE HOT) - CONDUCTOR SIZE PER "WIRE SIZE" COLUMN IN PANEL SCHEDULE
1 - NEUTRAL - CONDUCTOR SIZE PER "WIRE SIZE" COLUMN IN PANEL SCHEDULE
1 - GROUND - PER NEC TABLE 250.122
CONDUIT SIZED PER NEC ANNEX C (IF REQUIRED)

208V/240V/480V - 2 POLE
2 - PHASE (IE HOT) - CONDUCTOR SIZE PER "WIRE SIZE" COLUMN IN PANEL SCHEDULE
1 - NEUTRAL (EC VERIFY IF REQUIRED FOR INSTALLED EQUIPMENT) - CONDUCTOR SIZE PER "WIRE SIZE" COLUMN IN PANEL SCHEDULE
1 - GROUND - PER NEC TABLE 250.122
CONDUIT SIZED PER NEC ANNEX C (IF REQUIRED)

208V/240V/480V - 3 POLE
3 - PHASE (IE HOT) - CONDUCTOR SIZE PER "WIRE SIZE" COLUMN IN PANEL SCHEDULE
1 - NEUTRAL (EC VERIFY IF REQUIRED FOR INSTALLED EQUIPMENT) - CONDUCTOR SIZE PER "WIRE SIZE" COLUMN IN PANEL SCHEDULE
1 - GROUND - PER NEC TABLE 250.122
CONDUIT SIZED PER NEC ANNEX C (IF REQUIRED)

G40. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH GEAR MANUFACTURER WHERE THE HIGHEST CONTINUOUS TRIP SETTING FOR WHICH THE ACTUAL DEVICE INSTALLED 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.

G41. COLOR CODE CONDUCTORS PER NEC. FEEDERS SHALL BE IDENTIFIED IN ACCORDANCE WITH NEC 215.12. USE BLACK, RED, AND BLUE FOR PHASES A, B, AND C RESPECTIVELY ON 208Y/120 VOLT THREE-PHASE Y SYSTEMS AND WHITE FOR THE NEUTRAL. ISOLATED GROUND WIRES SHALL BE GREEN WITH YELLOW BANDS OR STRIPES. THIS IDENTIFICATION SHALL BE MADE AT EACH POINT WHERE A CONNECTION IS MADE. COLORS SHALL BE FACTORY APPLIED FOR CONDUCTORS #6 AWG AND SMALLER. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL BE GREEN IN COLOR AND MINIMUM #12 AWG. THE EC SHALL PROVIDE PLENUM RATED CABLE FOR ANY ELECTRICAL, TELEPHONE, COMMUNICATION, OR OTHER CABLE THAT ENTERS CEILING RETURN PLENUMS.

G42. WHERE CONDUCTORS ARE RUN IN PARALLEL, THE EC SHALL COMPLY WITH NEC 310.4.

ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code - Prescriptive

Lighting schedule:

lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
} See Light Fixture Schedule on sheet

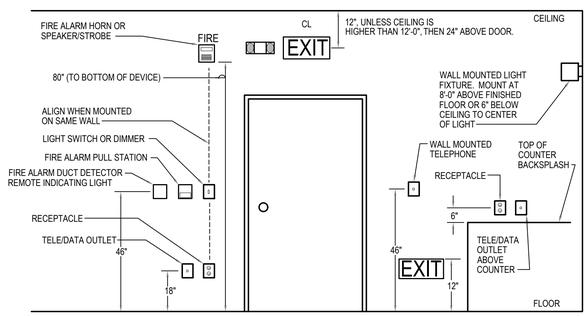
total interior wattage specified vs. allowed: 75 Watts Specified vs. 3259 Watts Allowed
total exterior wattage specified vs. allowed: N/A

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)

- ☐ C406.2 More Efficient HVAC Equipment Performance
- ☒ C406.3 Reduced Lighting Power Density
- ☐ C406.4 Enhanced Digital Lighting Controls
- ☐ C406.5 On-Site Renewable Energy
- ☐ 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.



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

1 TYPICAL DEVICE MOUNTING ELEVATION
NOT TO SCALE

ELECTRICAL SYMBOL LEGEND

	DUPLEX RECEPTACLE, 20A, 120 VOLT, +18" A.F.F. (U.N.O.) "GFCI" INDICATES GROUND FAULT PROTECTION "WP" INDICATES WEATHERPROOF
	QUADPLEX RECEPTACLE, 20A, 120 VOLT, +18" A.F.F. (U.N.O.)
	SIMPLEX RECEPTACLE, 20A, 120 VOLT, +18" A.F.F. (U.N.O.)
	208/230 VOLT 1Ø RECEPTACLE
	208/230 VOLT 3Ø RECEPTACLE
	DUPLEX RECEPTACLE RECESSED IN FLOOR WITH BRASS COVER
	QUADPLEX RECEPTACLE RECESSED IN FLOOR WITH BRASS COVER
	DUPLEX RECEPTACLE MOUNTED IN CEILING
	QUADPLEX RECEPTACLE MOUNTED IN CEILING
J	JUNCTION BOX
	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.
	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

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

LUMINAIRE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	CCT	MOUNTING	MAX WATTS	BALLAST/DRIVER	REMARKS
A	FLOOD LIGHT	NUVO	65-715	3000K	SURFACE	20	LED	1

1. PROVIDE WITH INTEGRAL MOTION SENSOR.

GENERAL NOTES:

A. THE CONTRACTOR SHALL VERIFY THE LEAD TIME OF ALL PRODUCTS SPECIFIED IN THIS SCHEDULE AT THE TIME OF PACKAGE QUOTE.
B. DURING THE BID PROCESS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DELIVERY/SCHEDULING ISSUES.
C. NO SUBSTITUTIONS WILL BE ALLOWED DUE TO THE LACK OF COORDINATION OF DELIVERY DATES AND CONSTRUCTION SCHEDULE AFTER BID.
D. ALL EXPEDITED EXPENSES SHALL BE THE RESPONSIBILITY OF THE CONTRACTORS.
E. FIXTURES TO BE INSTALLED IN CEILINGS, INDICATE ON THE ARCHITECTURAL PLANS AS HAVING INSULATION IN CONTACT WITH THE CEILING SURFACE, SHALL BE IC RATED BY MANUFACTURER.
F. LIGHTING FIXTURES SHALL MEET THE AESTHETICS, DESCRIPTION AND SPECIFICATIONS, SUBSTITUTIONS SHALL INCLUDE PT. BY PT. CALCULATIONS.
G. 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 DEVIATION FOR THE ARCHITECT/ENGINEER AND OWNER TO MAKE AN INFORMED DECISION.
H. 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 PRICED WITH THE SPECIFIED FIXTURE AND LISTED SEPARATELY SO THE ARCHITECT, ENGINEER AND OWNER CAN MAKE AN INFORMED DECISION.
I. 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.
J. ACRYLIC PRISMATIC LENSES SHALL BE 0.156" NOMINAL MINIMUM THICKNESS.
K. ALL EXIT AND EMERGENCY FIXTURES SHALL COMPLY WITH NCSBC STANDARDS AND HAVE AUTOMATIC TESTING DEVICES.
L. LED EMERGENCY BATTERY SHALL PROVIDE 1400 MINIMUM LUMENS OUTPUT FROM 1 LAMP FOR 90 MINUTES MINIMUM.
M. ELECTRICAL CONTRACTOR SHALL CONNECT ALL LED EMERGENCY FIXTURES TO CLOSEST AVAILABLE LIGHTING CIRCUIT UNLESS NOTED OTHERWISE.
N. LED MODULES SHALL BE REPLACEABLE.
O. ELECTRICAL CONTRACTOR SHALL RECEIVE APPROVAL FOR ALL LIGHTING FIXTURES FROM ARCHITECT/OWNER PRIOR TO PURCHASE AND ROUGH-IN. THE ABOVE FIXTURE TYPES ARE LISTED AS THE DESIGN BASIS.

SHARPE ENGINEERING & CONSULTING, PLLC
P: 336.425.5815
sharpeengineers.com
P.O. Box 6
Wilcox Mills, NC 27593
NC License # P-2821

PRELIMINARY
NOT FOR CONSTRUCTION

DESIGN FOR:
BAUCOM BUSINESS PLAZA - S3
11132 U.S. 401 N
FUQUAY-VARINA, NC 27526

REV. NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

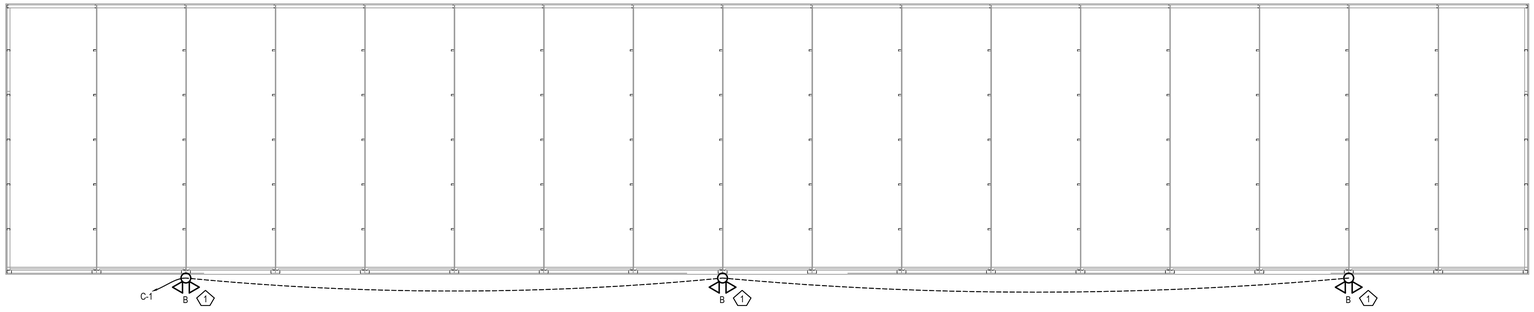
ISS. NO.	DATE	DESCRIPTION
1	XX/XX/XX	XX/XX/XX
2		
3		
4		
5		
6		
7		

PROJECT NO.: 24-029
DRAWN BY: DBAS
CHECKED BY: DBAS

ELECTRICAL LEGENDS AND NOTES

E0.1

⬠ LIGHTING KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
1	LIGHTING TO BE CONTROLLED BY INTEGRAL MOTION SENSORS TO FIXTURES.



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

SHARPE
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NC License # P-2821

PRELIMINARY
NOT FOR CONSTRUCTION

DESIGN FOR:
BAUCOM BUSINESS PLAZA - S3
11132 U.S. 401 N
FUQUAY-VARINA, NC 27526

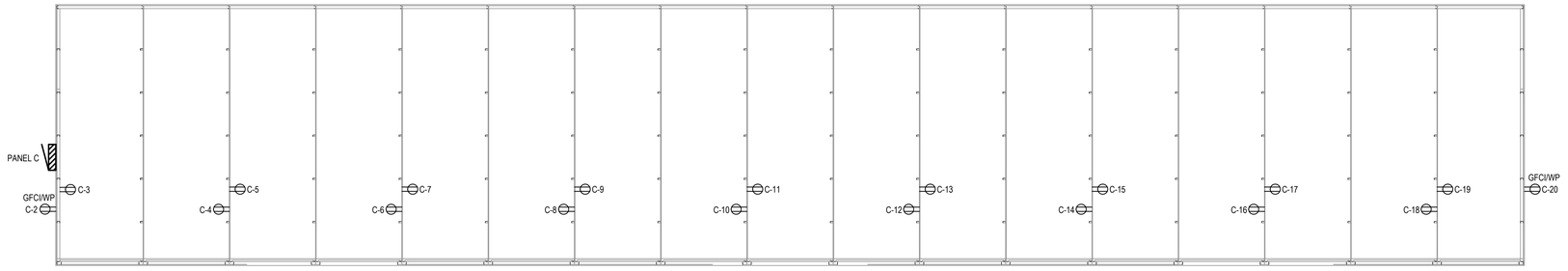
REV. NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

ISS. NO.	DATE	DESCRIPTION
1	XX/X/XX	XX/X/XX
2		
3		
4		
5		
6		
7		

PROJECT NO.:	DRAWN BY: DBAS
24-029	CHECKED BY: DBAS

LIGHTING PLAN

E1.1



1 POWER PLAN
SCALE - 1/8" = 1'0"

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DESIGN FOR:
BAUCOM BUSINESS PLAZA - S3
11132 U.S. 401 N
FUQUAY-VARINA, NC 27526

REV. NO.	DATE	DESCRIPTION
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ISS. NO.	DATE	DESCRIPTION
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PROJECT NO.:	DRAWN BY: DBAS
24-029	CHECKED BY: DBAS

POWER PLAN

E1.2

100 AMP MAIN BREAKER — **PANELBOARD C** — LOCATION: **S3**

100 AMP BUS RATING — **30** POLES — **10** KA SHORT CIRCUIT RATING — ENCLOSURE RATING: **NEMA 3R**

208Y/120 VOLTS — **3** PHASE — **4** WIRE — **60 HZ.** — MOUNTING: **SURFACE**

CIRCUIT NO.	DESCRIPTION	BREAKER AMPS/POLES	LOAD KVA PHASE A	LOAD KVA PHASE B	LOAD KVA PHASE C	BREAKER AMPS/POLES	DESCRIPTION	CIRCUIT NO.
1	LIGHTING	20/1	0.10 0.18			20/1	EXTERIOR RECEPTACLE	2
3	STORAGE RECEPTACLE	20/1		0.18 0.18		20/1	STORAGE RECEPTACLE	4
5	STORAGE RECEPTACLE	20/1			0.18 0.18	20/1	STORAGE RECEPTACLE	6
7	STORAGE RECEPTACLE	20/1	0.18 0.18			20/1	STORAGE RECEPTACLE	8
9	STORAGE RECEPTACLE	20/1		0.18 0.18		20/1	STORAGE RECEPTACLE	10
11	STORAGE RECEPTACLE	20/1			0.18 0.18	20/1	STORAGE RECEPTACLE	12
13	STORAGE RECEPTACLE	20/1	0.18 0.18			20/1	STORAGE RECEPTACLE	14
15	STORAGE RECEPTACLE	20/1		0.18 0.18		20/1	STORAGE RECEPTACLE	16
17	STORAGE RECEPTACLE	20/1			0.18 0.18	20/1	STORAGE RECEPTACLE	18
19	STORAGE RECEPTACLE	20/1	0.18 0.18			20/1	EXTERIOR RECEPTACLE	20
21	SPARE						SPARE	22
23	SPARE						SPARE	24
25	SPARE						SPARE	26
27	SPARE						SPARE	28
29	SPARE						SPARE	30
	TOTAL PHASE KVA PER PHASE		1.36	1.08	1.08		DEMAND KVA: 9.49	
	TOTALCONNECTED KVA		3.52				DEMAND AMPS: 26	
	AMPS PER PHASE		11	9	9			

NOTES:
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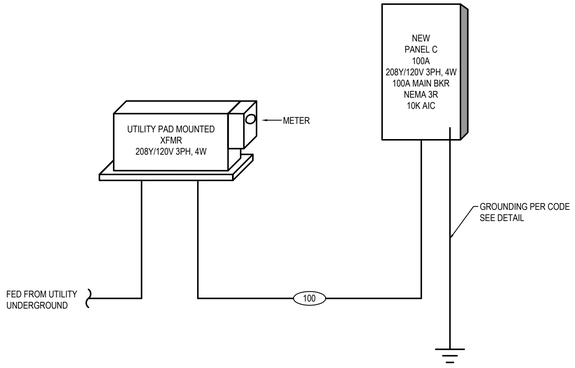
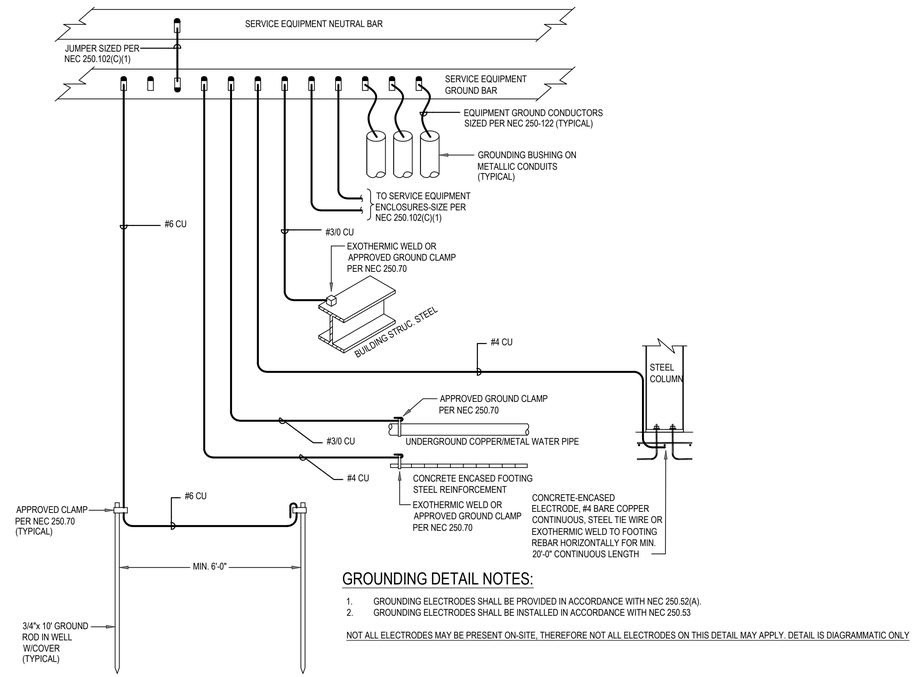
SUMMARY OF LOADS			
DESCRIPTION	CONNECTED (kVA)	DEMAND FACTOR	DEMAND (kVA)
LIGHTING	0.10	1.00	5.89
RECEPTACLES (1ST 10 kVA)	3.60	1.00	3.60
(REMAINING)	0.00	0.50	0.00
(TOTAL)	3.60	1.00	3.60
TOTAL KVA	3.7		9.5
TOTAL AMPS	10		26



1 ONE-LINE DIAGRAM
NOT TO SCALE



GROUNDING DETAIL NOTES:

1. GROUNDING ELECTRODES SHALL BE PROVIDED IN ACCORDANCE WITH NEC 250.52(A).
2. GROUNDING ELECTRODES SHALL BE INSTALLED IN ACCORDANCE WITH NEC 250.53

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

1 SERVICE GROUNDING DETAIL
NOT TO SCALE

FEEDER SCHEDULE - 3 PHASE

STANDARD OVERCURRENT PROTECTION SIZE	FEEDER WIRE - # SETS (CONDUCTOR SIZE, EQUIP. GND., CONDUIT SIZE) CONDUCTOR TYPE: THHN - DRY; THWN - WET			
	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

FEEDER SCHEDULE NOTES:
1. ALL FEEDER SIZES MAY NOT BE LISTED IN ONE-LINE DIAGRAM
2. 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.

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PRELIMINARY
NOT FOR CONSTRUCTION

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PROJECT NO.: 24-029
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PANEL SCHEDULE AND ONE-LINE DIAGRAM

E2.1