

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

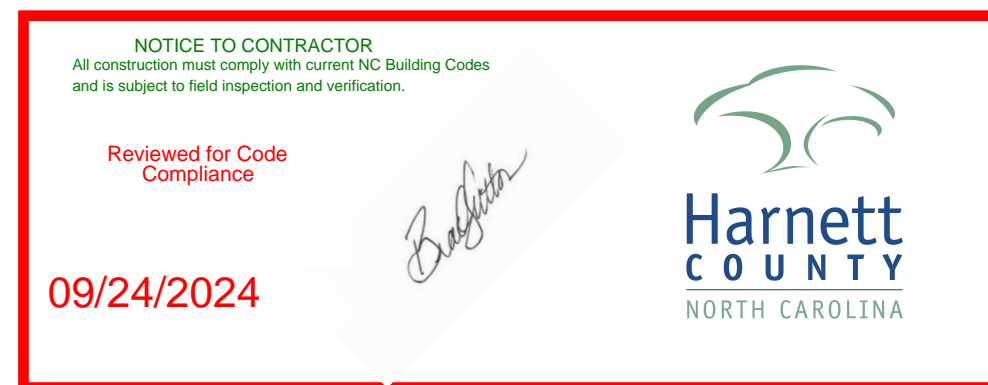
BUILDING LAYOUT

WIDTH (ft.): 30'-0"
LENGTH (ft.): 140.0
EAVE HEIGHT (ft.): 14 / 14
ROOF SLOPE (Rise/12): 2 : 12

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

FUQUAY VARINA, NC 27526 (BUILDING-S4)



DRAWING SCHEDULE

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

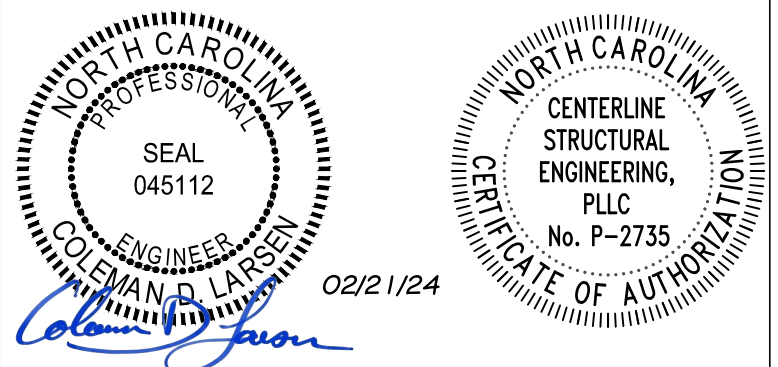
BUILDING LOADS

CODE: NCBC 18 (IBC 15)
DEAD LOAD: 2.0 psf.
COLLATERAL LOAD: 1.0 psf.
LIVE LOAD: 20.0 pAsf. (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*le*Fa*Ss*W/R
INTERNAL WIND COEFFICIENT: -0.18 / +0.18
OCCUPANCY: II - Normal

CONFIDENTIAL AND PROPRIETARY INFORMATION

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Notes:



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

12226-33772-S4



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

SITE: FUQUAY VARINA
NC 27526

TITLE: 30' x 140' x 14'-0" Gable
SIZE: DATE: 02/16/24 DRAWN: NMB CHECKED: ALI
SHEET NO: 1 of 8 DRAWING NO: 12226-33772-S4 REVISION:

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
C/J	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	GYPSPUM 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	TCC	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	VARIABLE
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
BC	BASE CHANNEL	U42516 - 4 1/8" x 2 5/8" x 16 Ga. Channel
C4	4" COLUMN	C4216 - 4" x 2" x 16 Ga. Cee
C64	6" COLUMN	C6416 - 6" x 4" x 16 Ga. Cee
DH	DOOR HEADER	C4216 - 4" x 2" x 16 Ga. Cee
DJ	DOOR JAMB	C43516 - 4" x 3 1/2" x 16 Ga. Cee
EC	EAVE CHANNEL	U42514 - 4 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	C4216 - 4" x 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" x 1 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
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	GUTTER STRAP
GS601	GUTTER STRAP
SS2RSLG	RAKE PLATE - LOW
SS2RSLG	RAKE PLATE - HIGH

TRIM ABBREVIATIONS

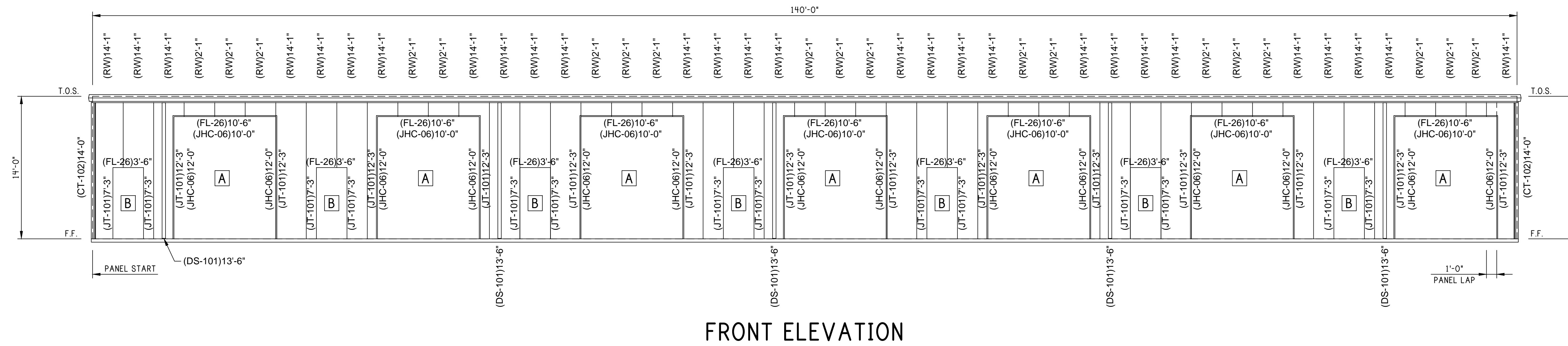
DFR	DIE FORMED RIDGE CAP
MT-134	DOOR JAMB COVER
DS-101	DOWNSPOUT WITH DIVERTER
DSS-105	DOWNSPOUT STRAP
JHC-04	DOOR HEADER COVER
ET-80	EAVE TRIM
FL-134	EAVE TRIM
GS-501	GUTTER STRAP
CM-406	HALF MULLION COVER
FL-17	HIGH SIDE EAVE TRIM
FL-26	HEAD TRIM
IA	INSIDE ANGLE
ICT-801	INSIDE CORNER
ICB	INSIDE CORNER BOX
ISCL	INSIDE CLOSURE
JT-101	JAMB TRIM
MU-412	12" MULLION COVER
MU-424	24" MULLION COVER
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	RAKE PLATE - LOW
WT-101	SIDEWALL FLASHING
	WAINSCOT TRIM

FASTENER ABBREVIATIONS

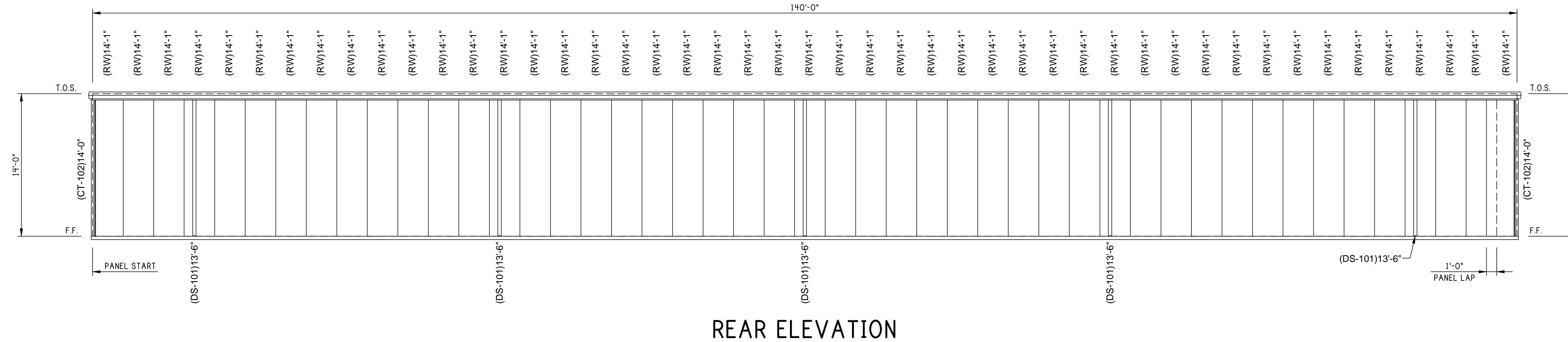
SB	1/2" x 3" SCREW BOLT - D ₆ Walt	BASE TO SLAB CONNECTIONS
	SCREW-BOLT * (PFM1411380)	
DP	1/4" x 1 1/4" DRIVE PIN	BASE TO SLAB CONNECTIONS
MFS058NW	*10 x 5/8" SD NO WASHER	SPECIAL TRIM CONNECTIONS
MFS100	*12 x 1" SD	STRUCTURAL STEEL CONNECTIONS
MFS114	*12 x 1 1/4" SD	WALL SHEETING
MFSZAC114	*12 x 1 1/4" LONG LIFE SD	ROOF SHEETING
LS078	*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:

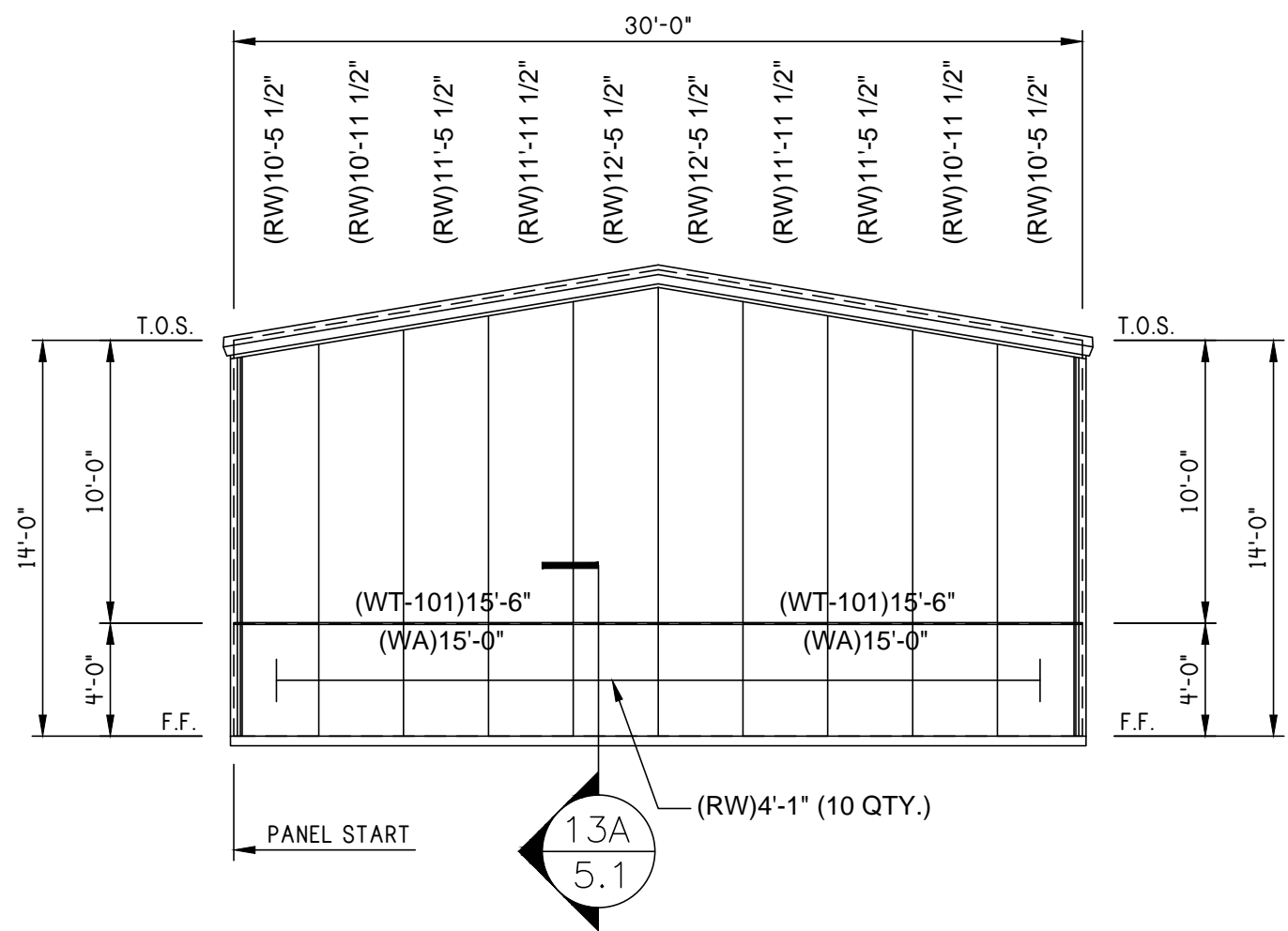
DOOR SCHEDULE	
A	(7) 10'-0" X 12'-0" FRAMED OPENINGS
B	(7) 3070 Solid W/ Lever LK



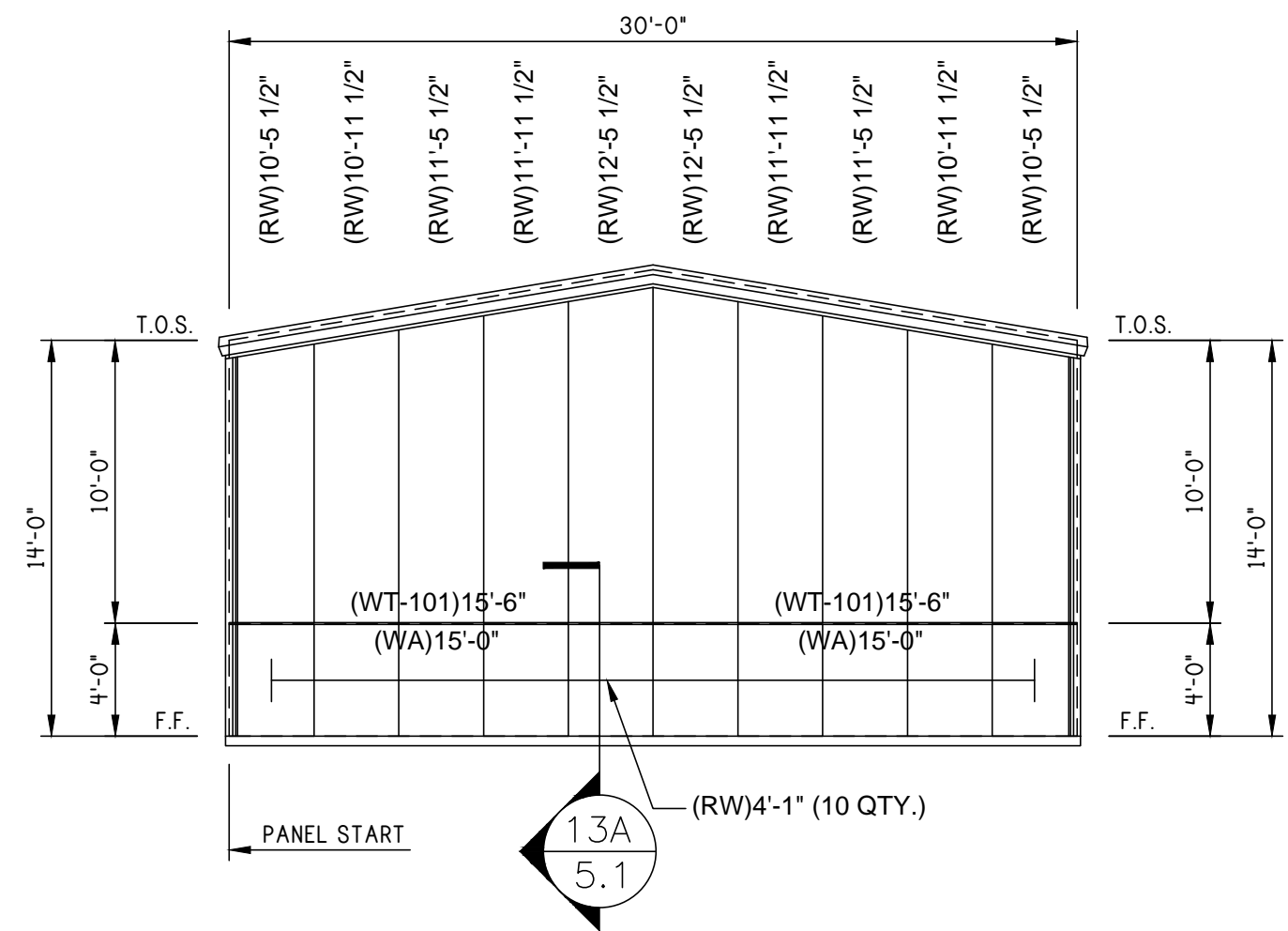
FRONT ELEVATION



REAR ELEVATION

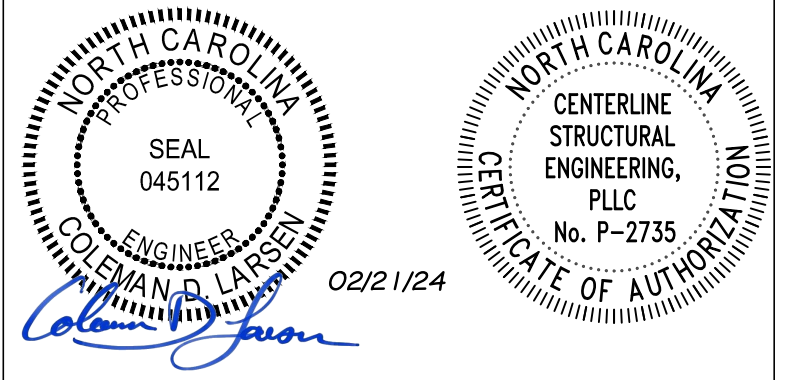


LEFT ELEVATION



RIGHT ELEVATION

EXTERIOR ELEVATION PLAN



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12226-33772-S4

PEAK STEEL
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 Phone: (844) 333-7325
 Fax: (706) 343-1968

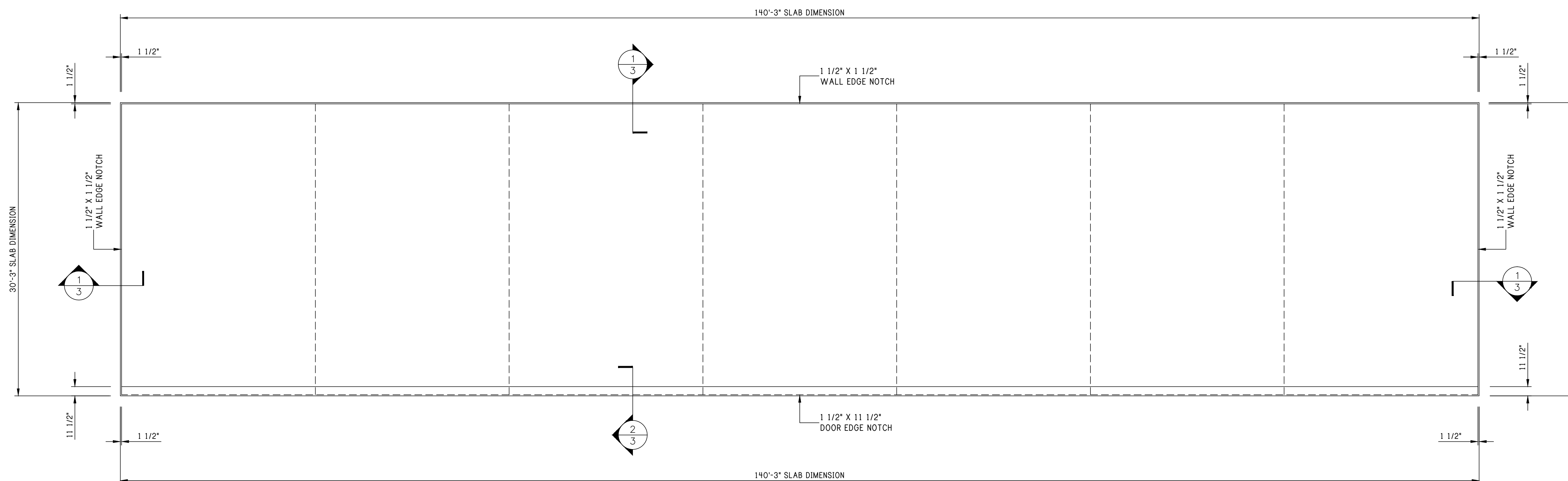
SITE:	FUQUAY VARINA NC 27526
TITLE:	30' x 140' x 14'-0" Gable
SIZE:	DATE: 02/16/24
SHEET NO:	DRAWING NO: NMB
2 of 8	CHECKED: ALI
	REVISION:
	12226-33772-S4

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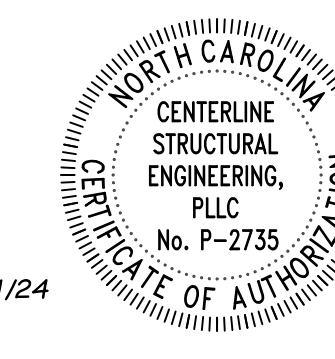
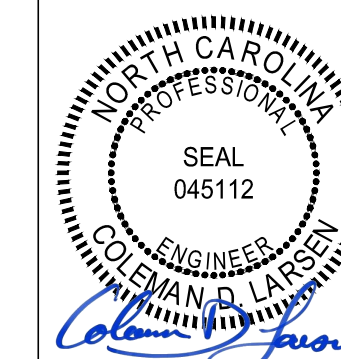
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Notes:

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.



SLAB PLAN



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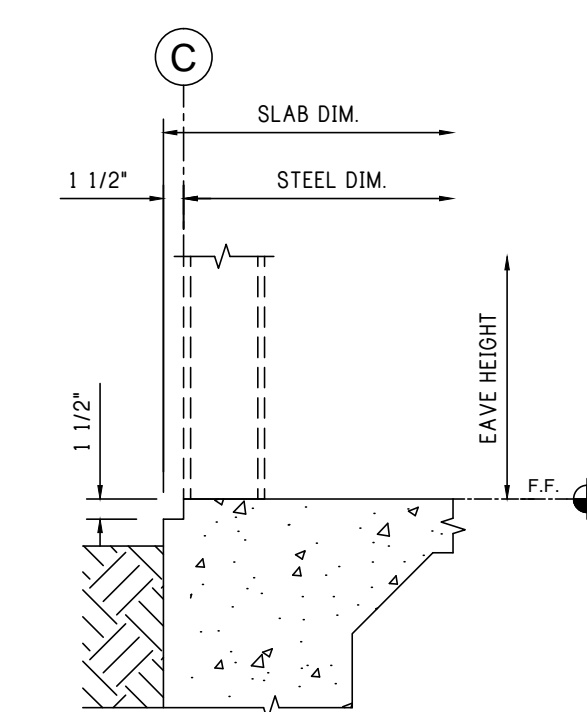


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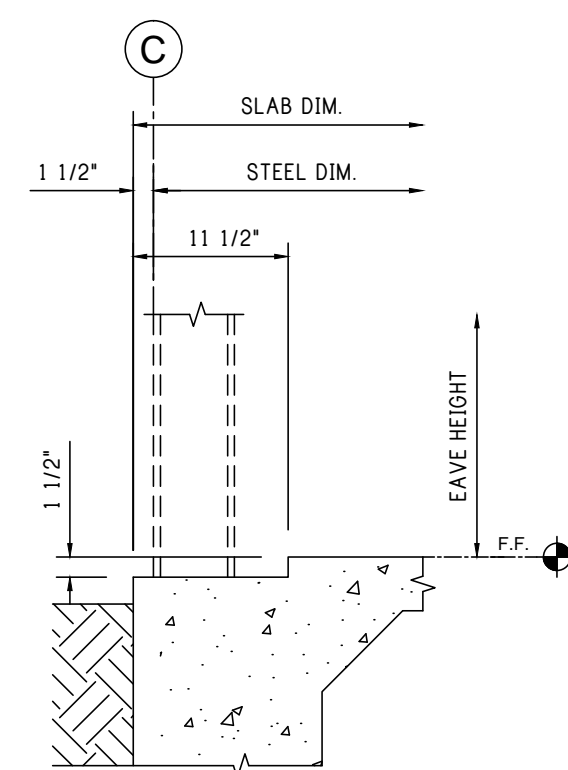
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NC 27526

TITLE: 30' x 140' x 14'-0" Gable

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

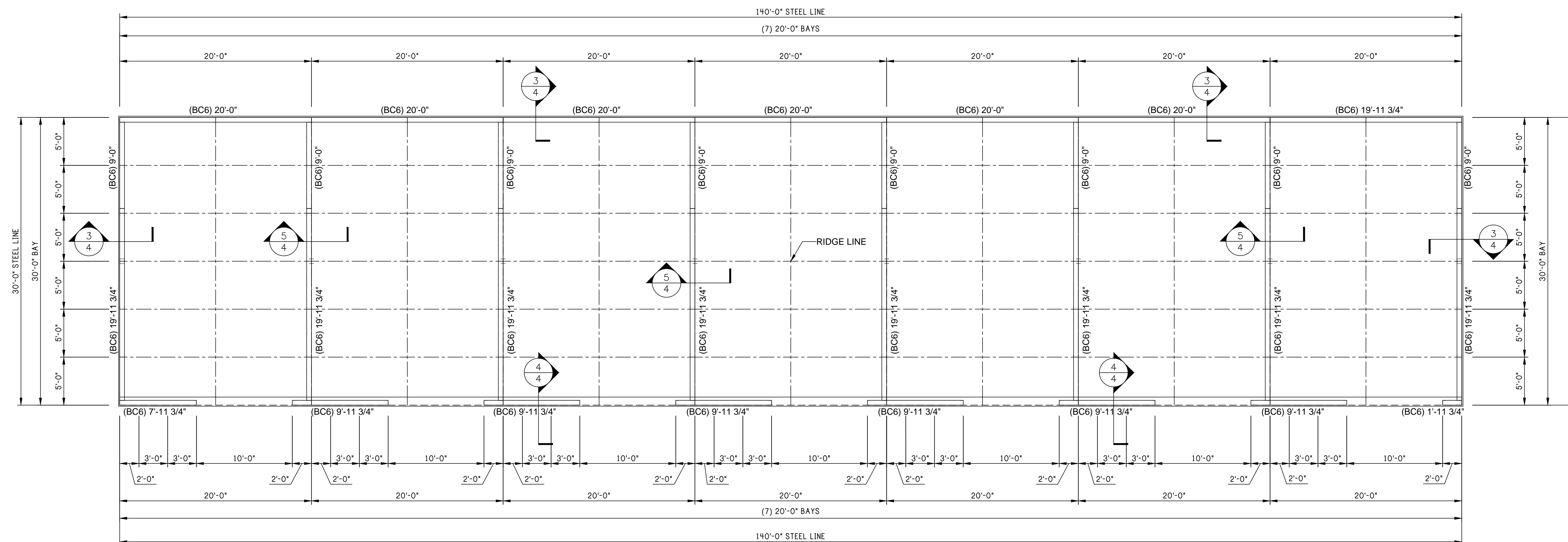


2 SLAB NOTCH - DOOR EDGE
1-1/2" x 1 1/2" NOTCH

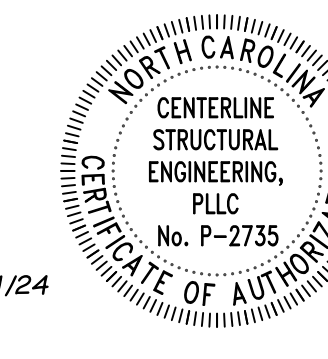
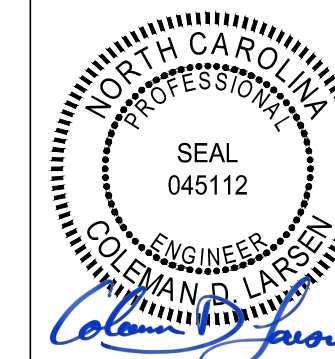
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FLOOR PLAN



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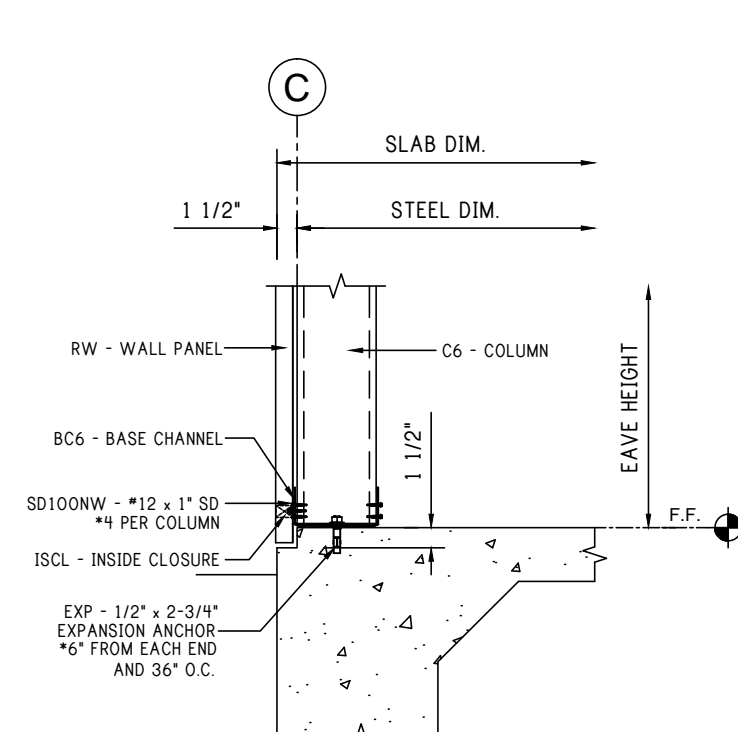
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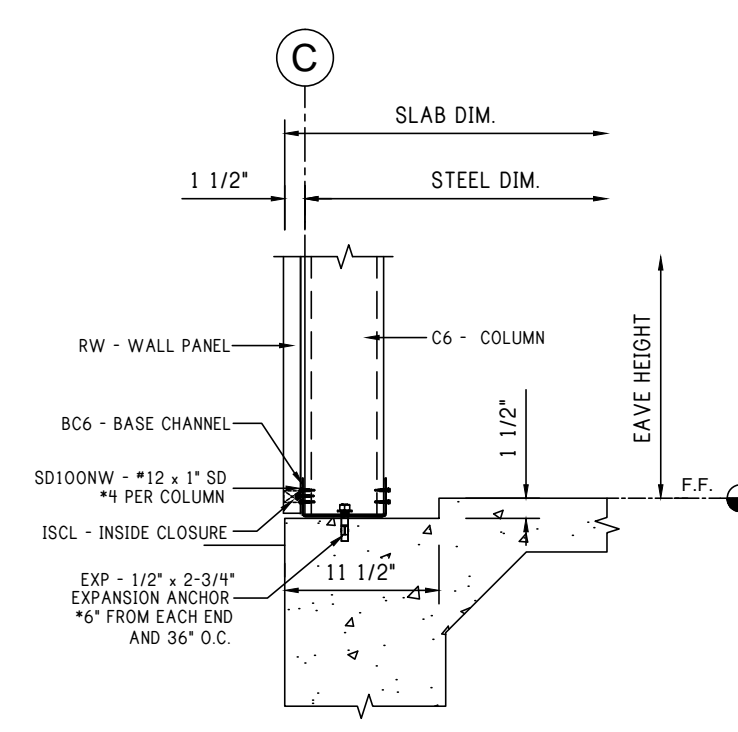
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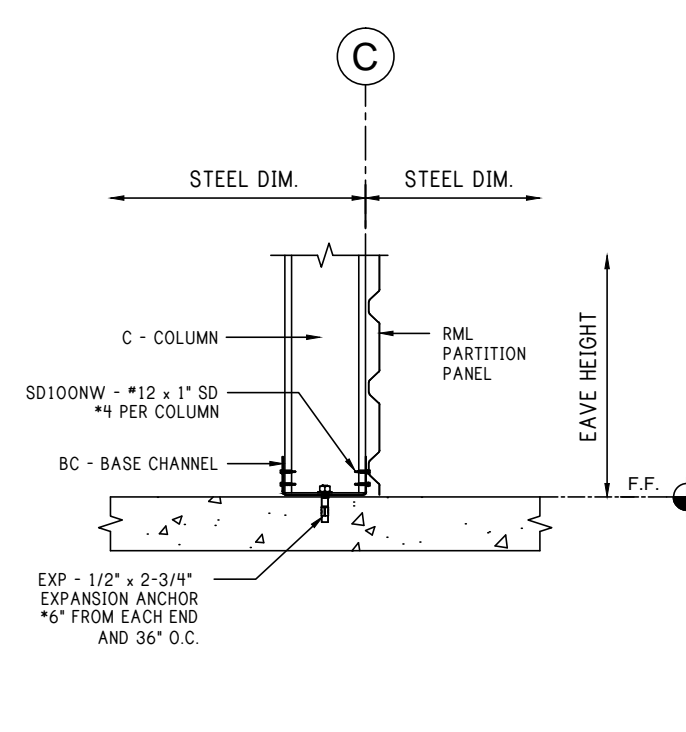
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3 BASE CHANNEL - WALL EDGE

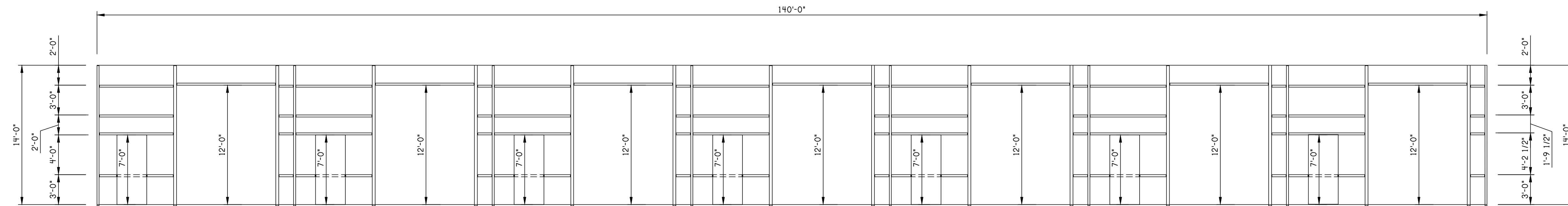


4 6" BASE CHANNEL - DOOR EDGE

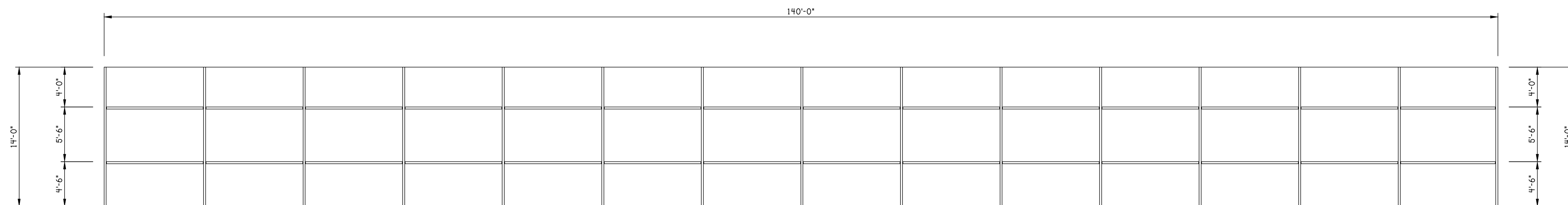


5 COLUMN - 6" BASE CHANNEL

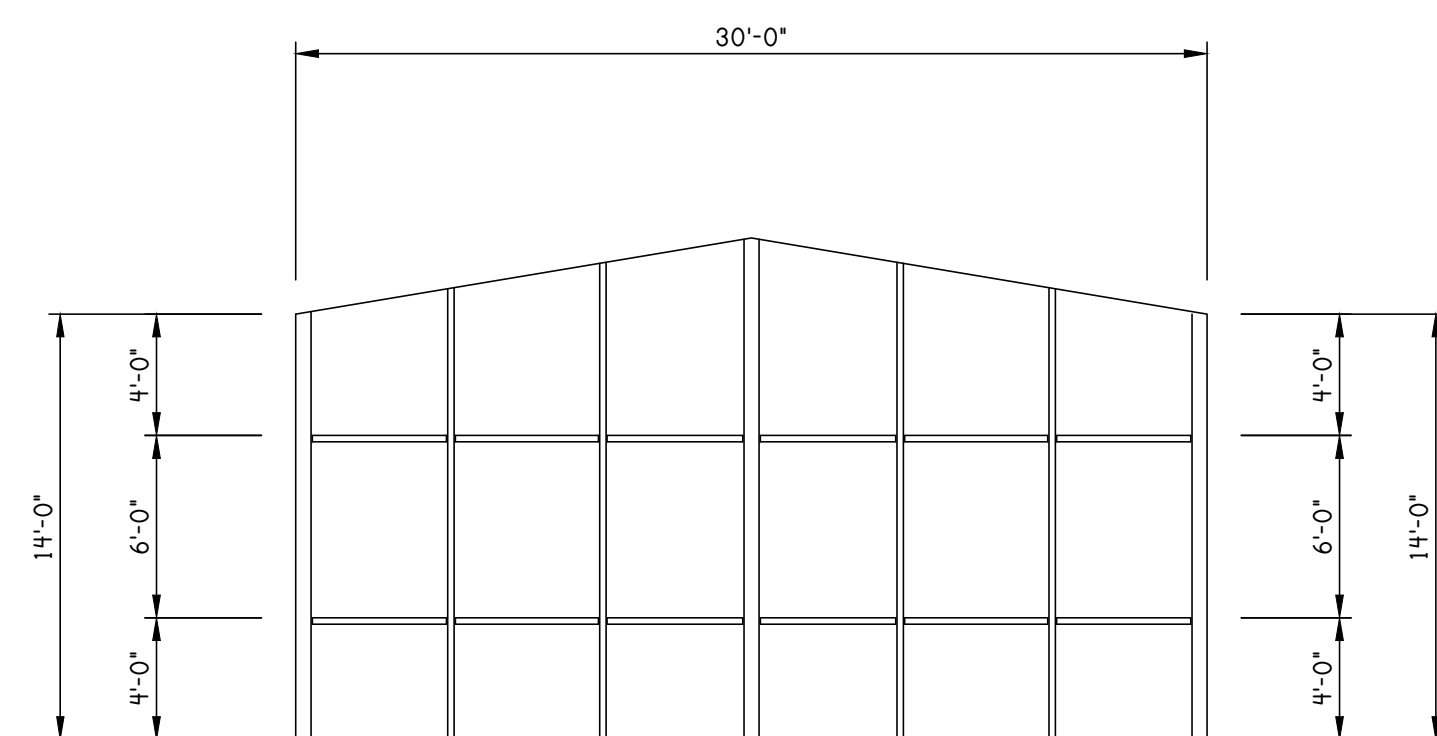
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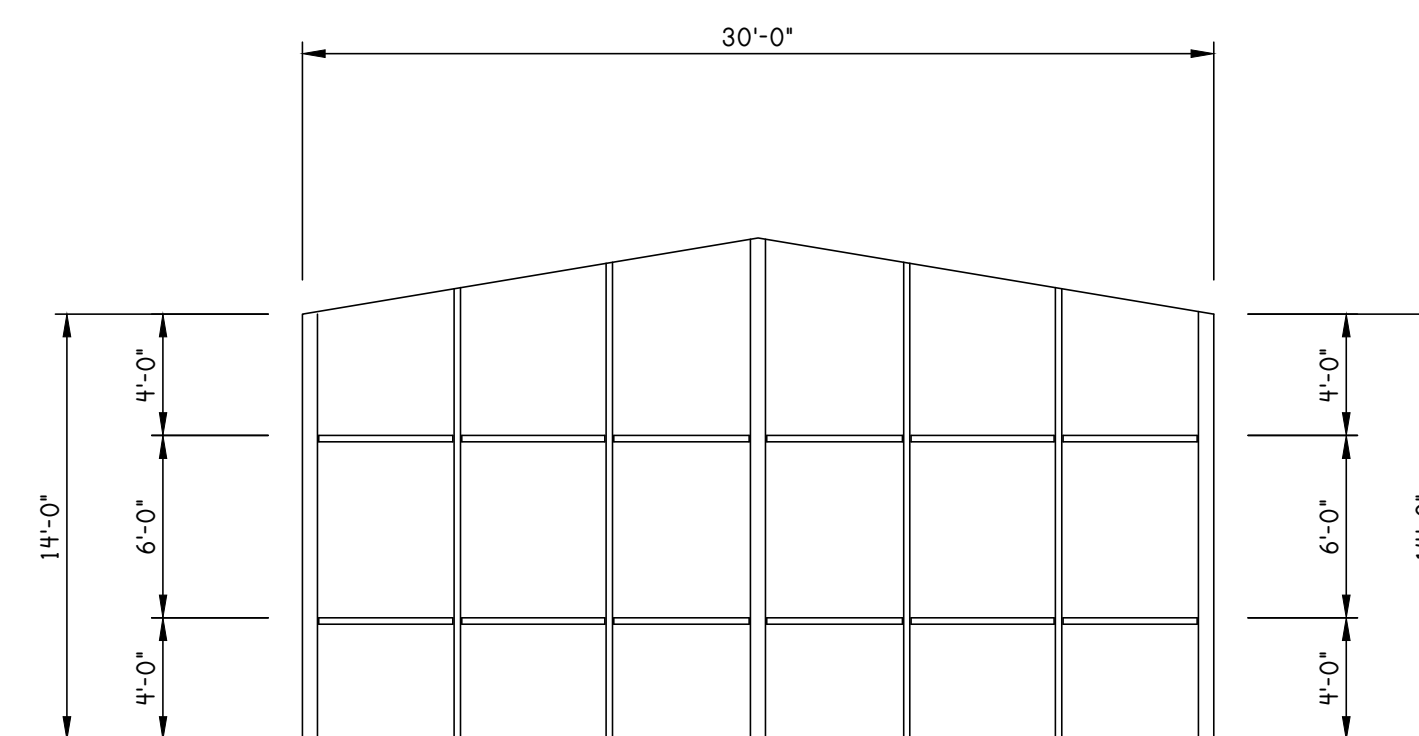
FRONT ELEVATION



REAR ELEVATION



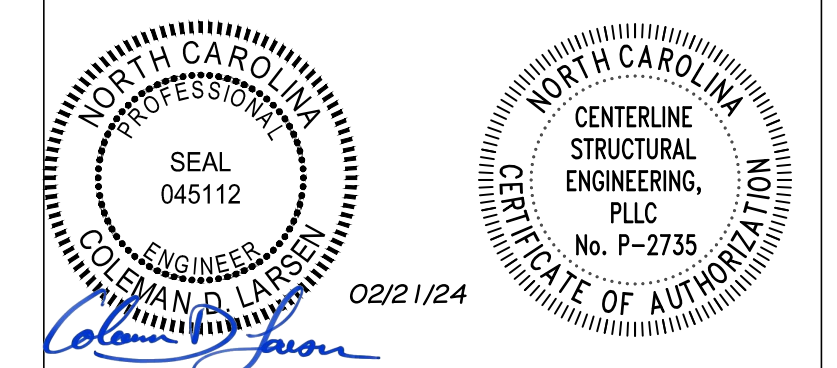
LEFT ELEVATION



RIGHT ELEVATION

GIRT SPACING

NOTE : FIELD CUT LOWER GIRT AT WALKDOOR AS REQUIRED.



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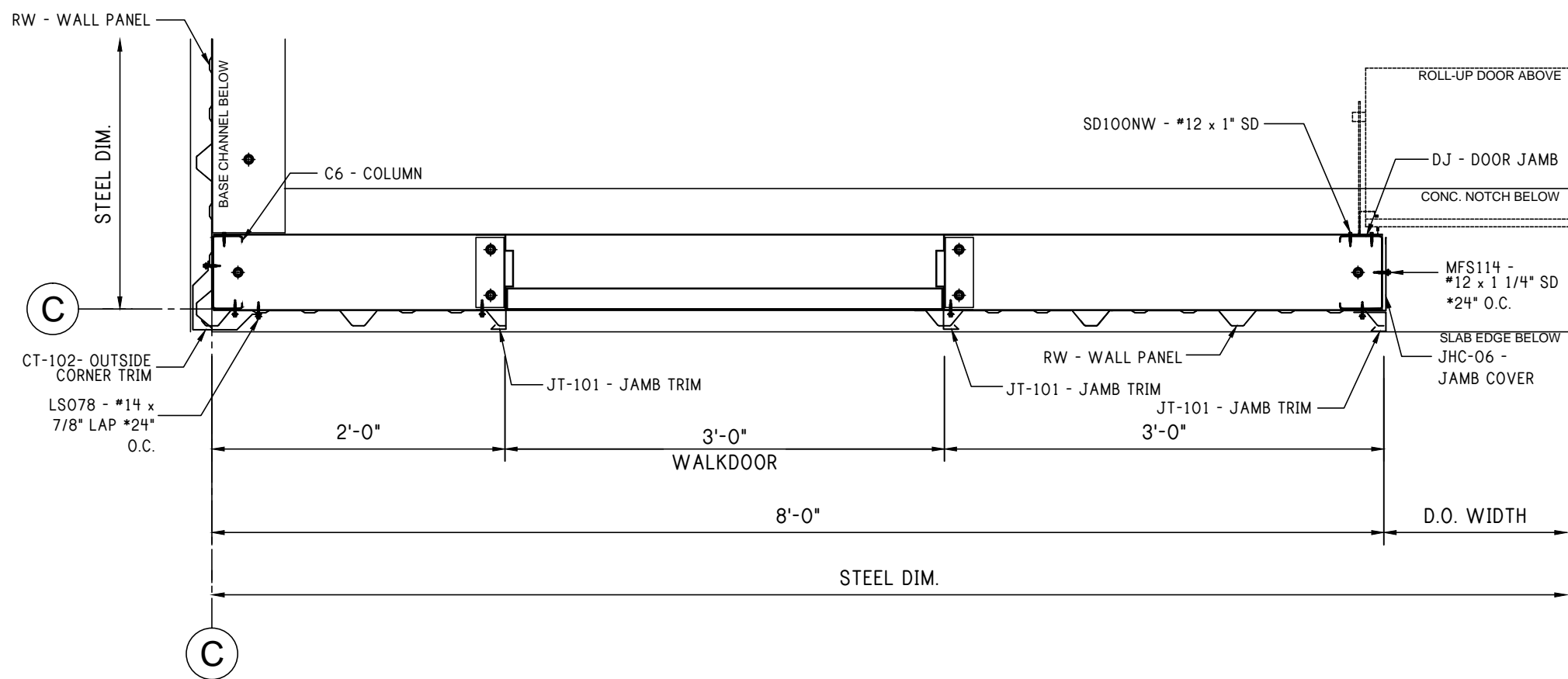
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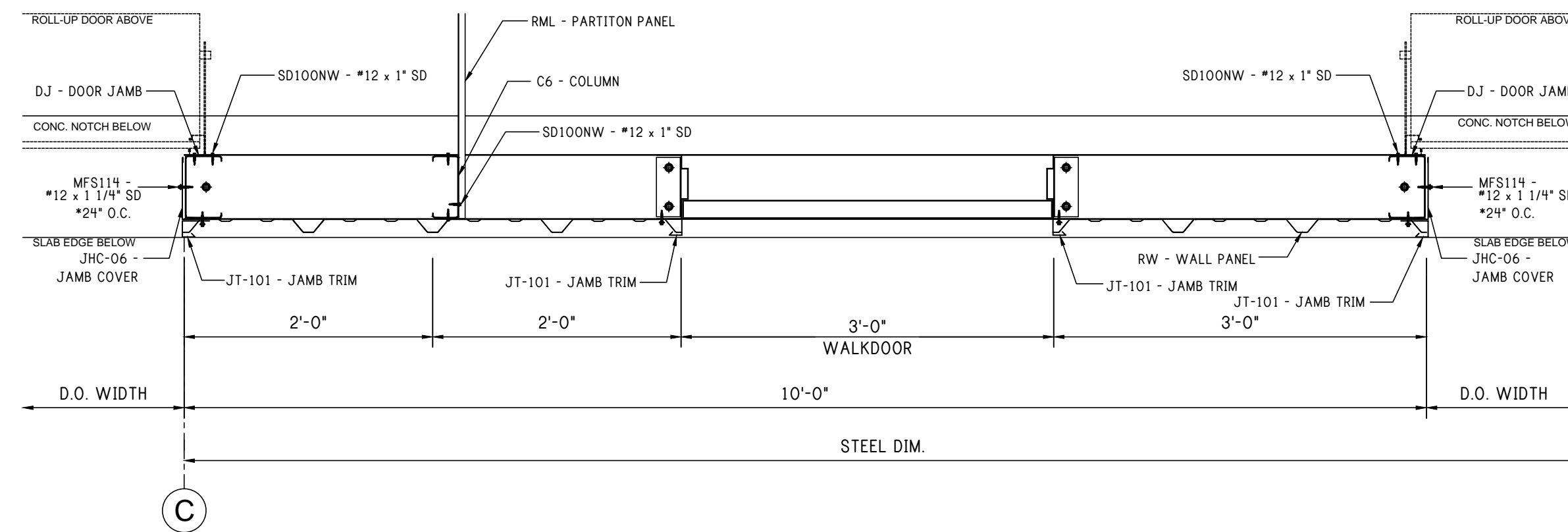
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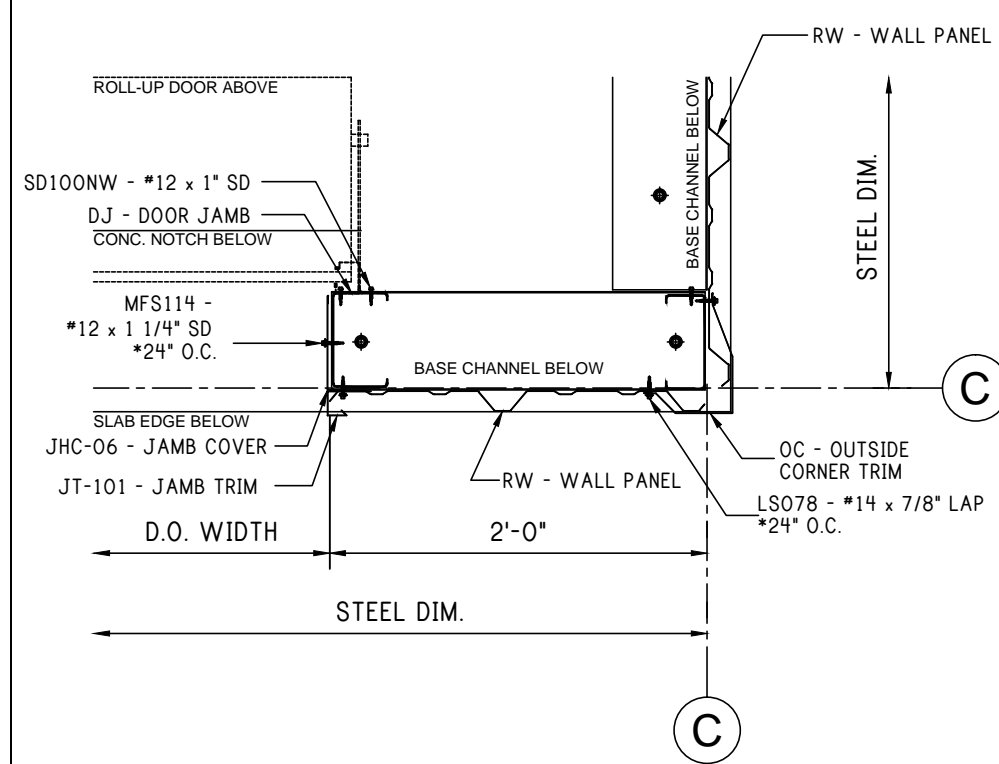
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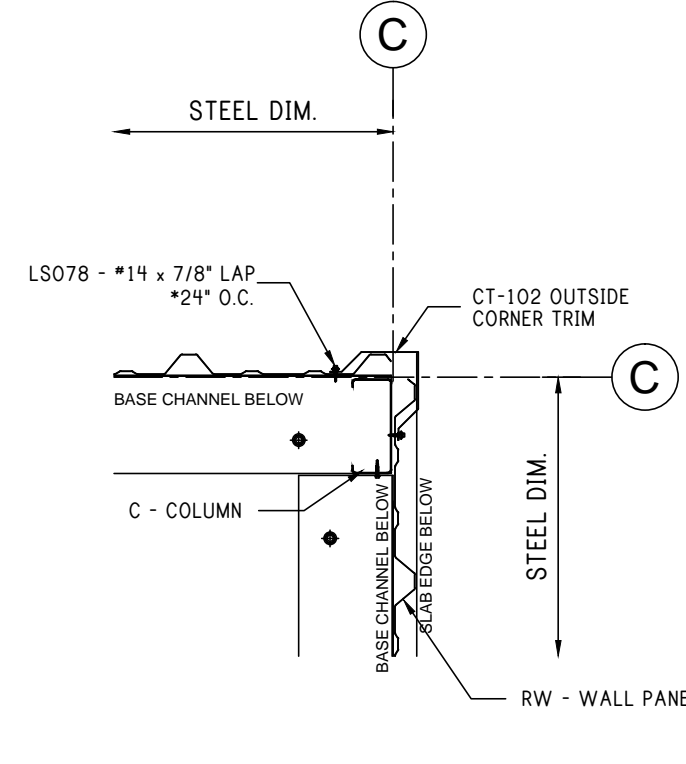
7 96° DOOR JAMB AT CORNER



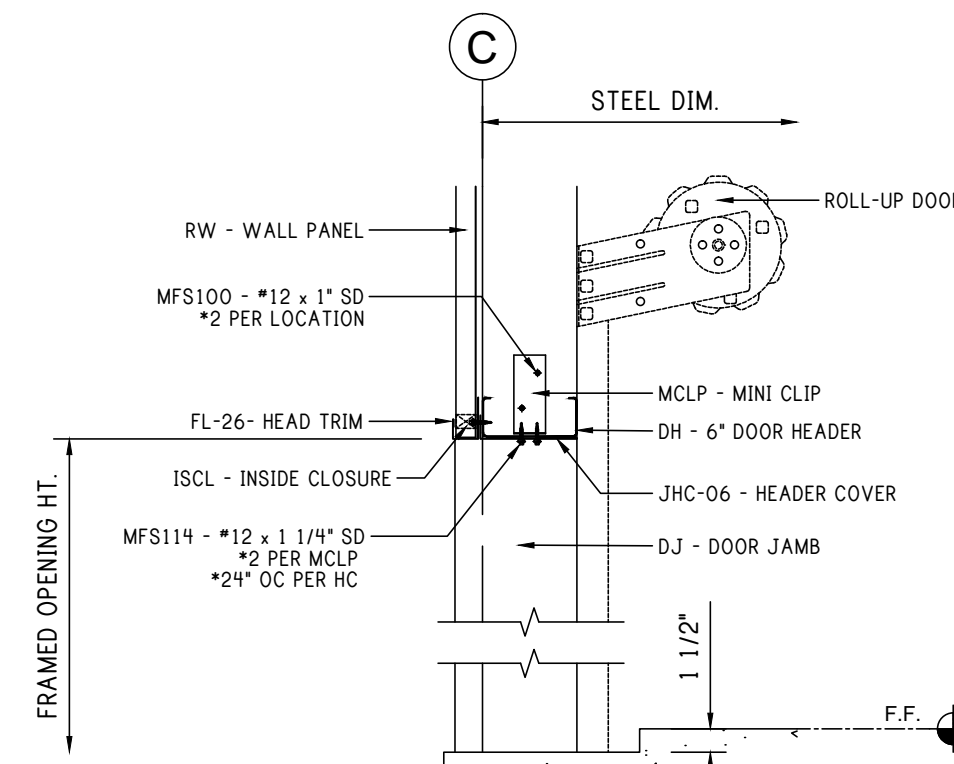
8 120° DOOR JAMB



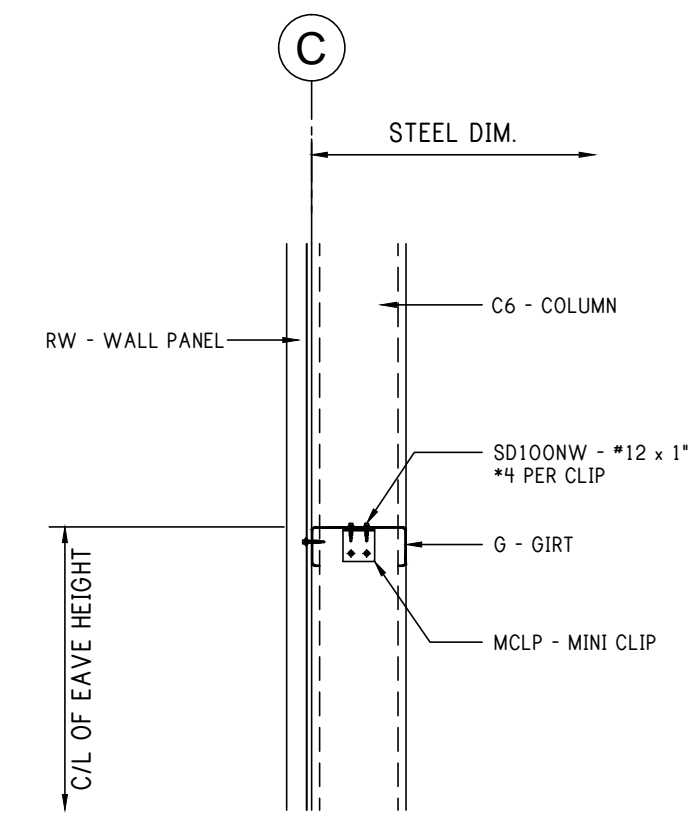
9 24° DOOR JAMB AT CORNER



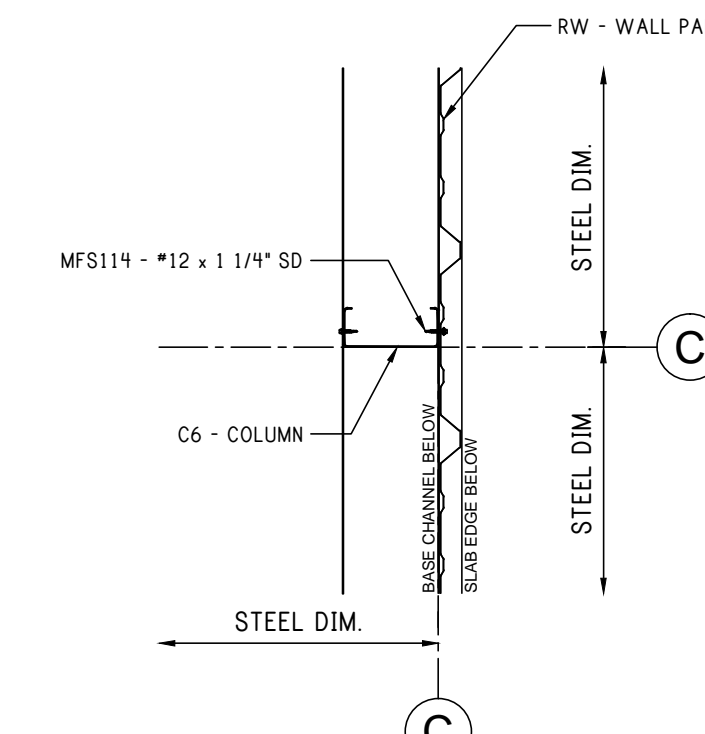
10 OUTSIDE CORNER



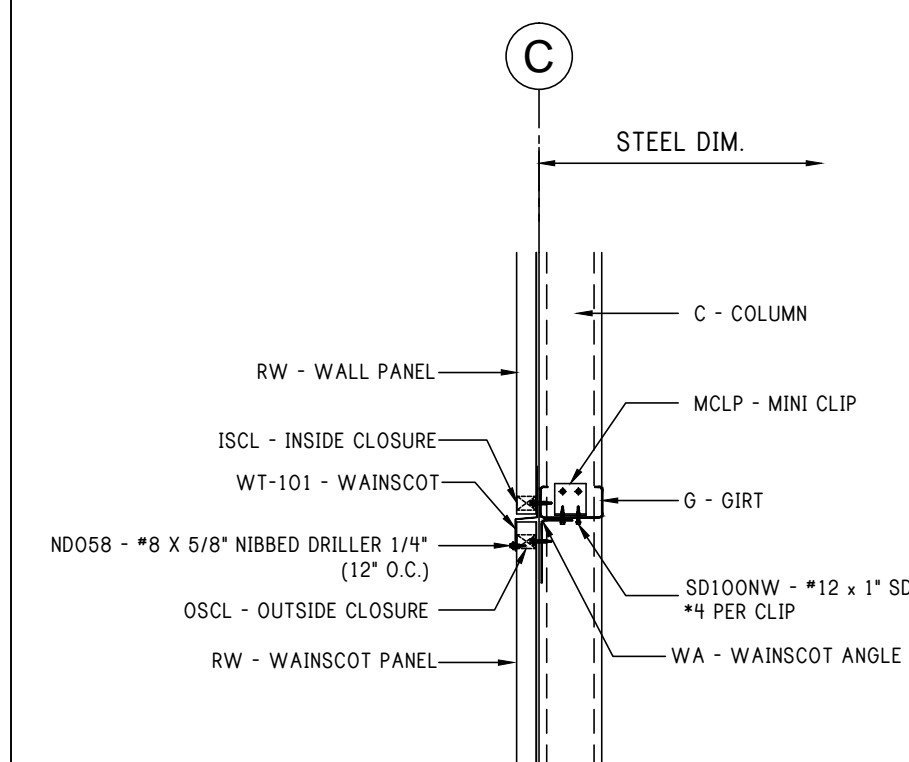
11 DOOR HEADER



12 6\"/>

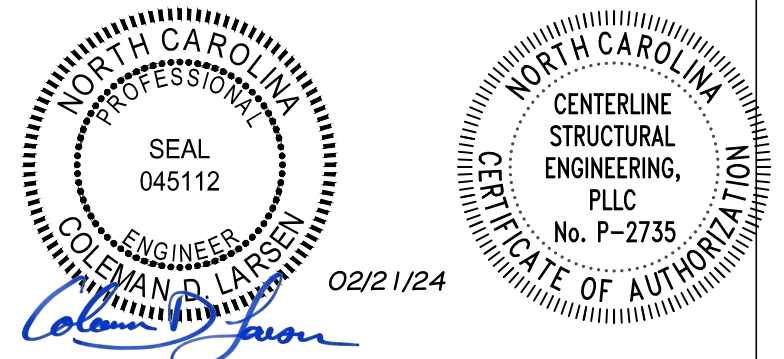


13 COLUMN AT WALL



13A WAINSCOT TRANSITION

FRAMING DETAILS



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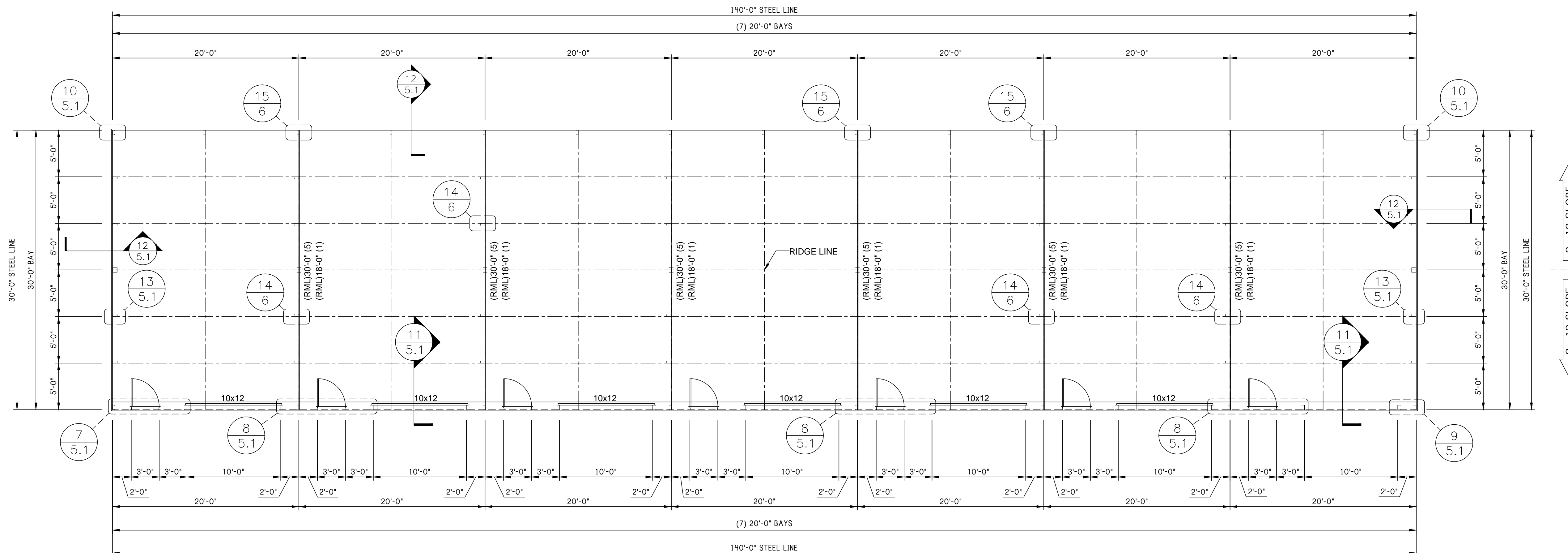
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SITE: FUQUAY VARINA
NC 27526

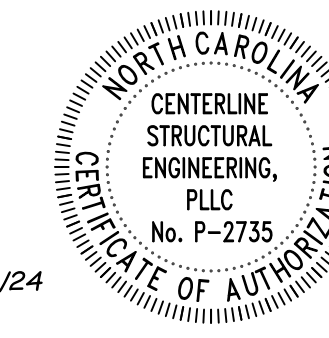
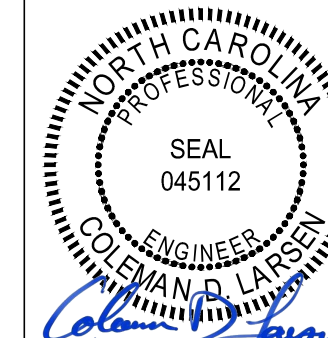
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Notes:



PARTITION PLAN



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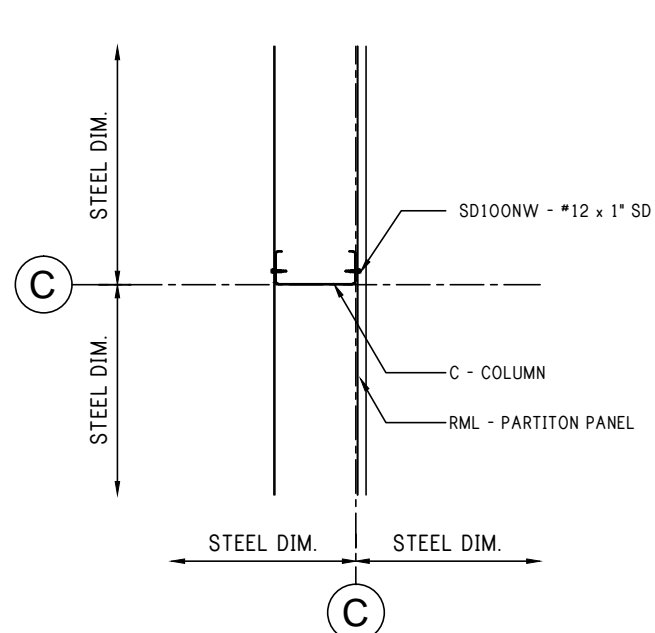
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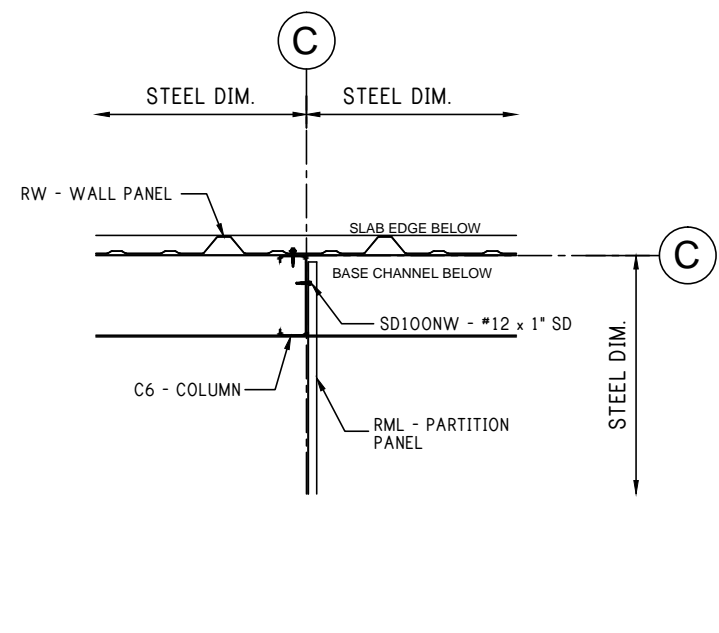
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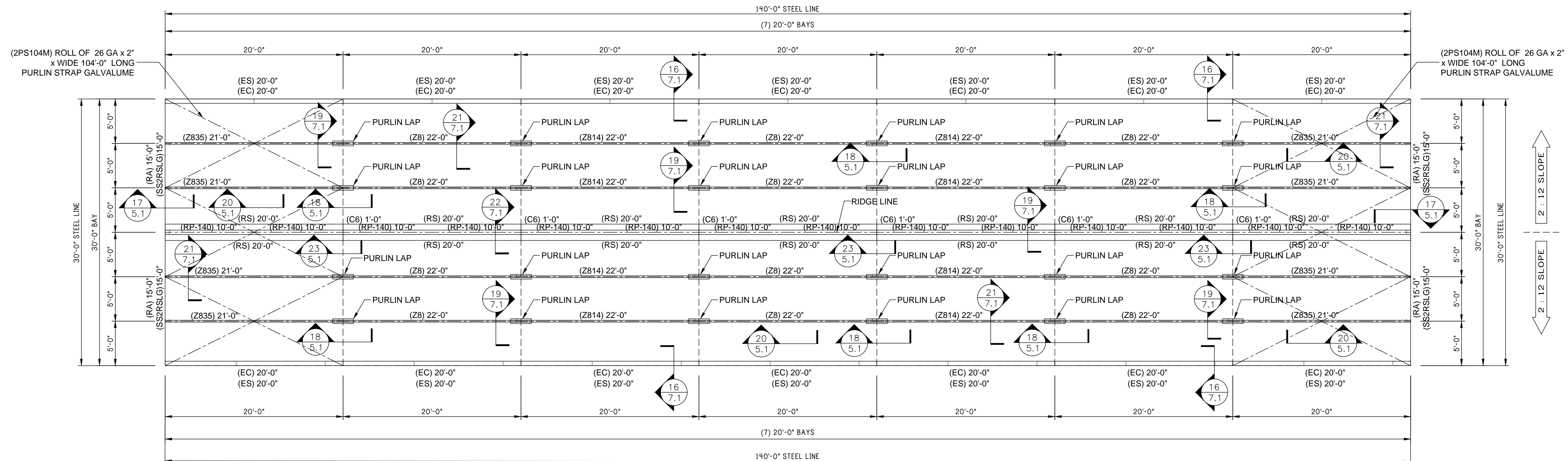


14 CHANNEL AT COLUMN



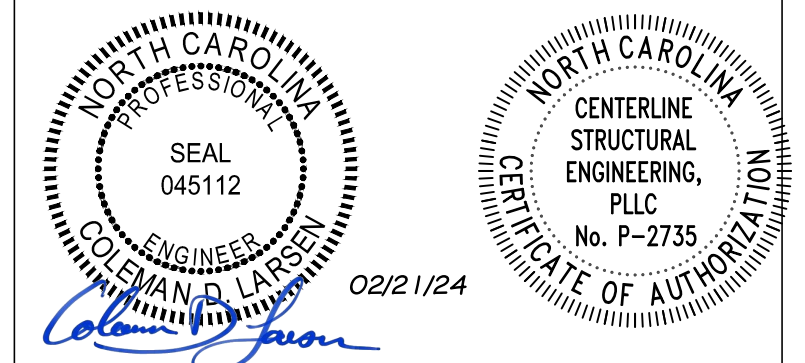
15 PARTITION AT WALL

Notes:



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.



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STATUS: CONSTRUCTION ISSUE			

12226-33772-S4



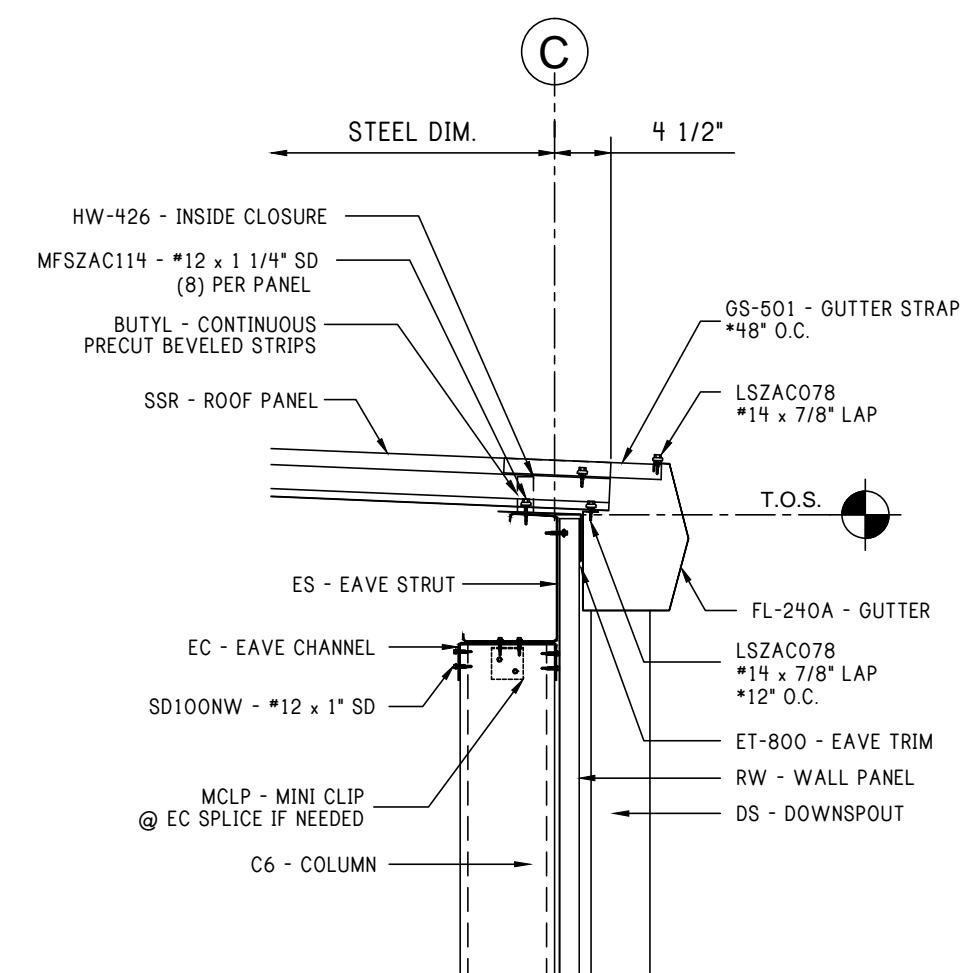
CLIENT: P.O. BOX 1275
Madison, GA 30650
Phone: (844) 333-7325
Fax: (706) 343-1968

SITE: FUQUAY VARINA
NC 27526

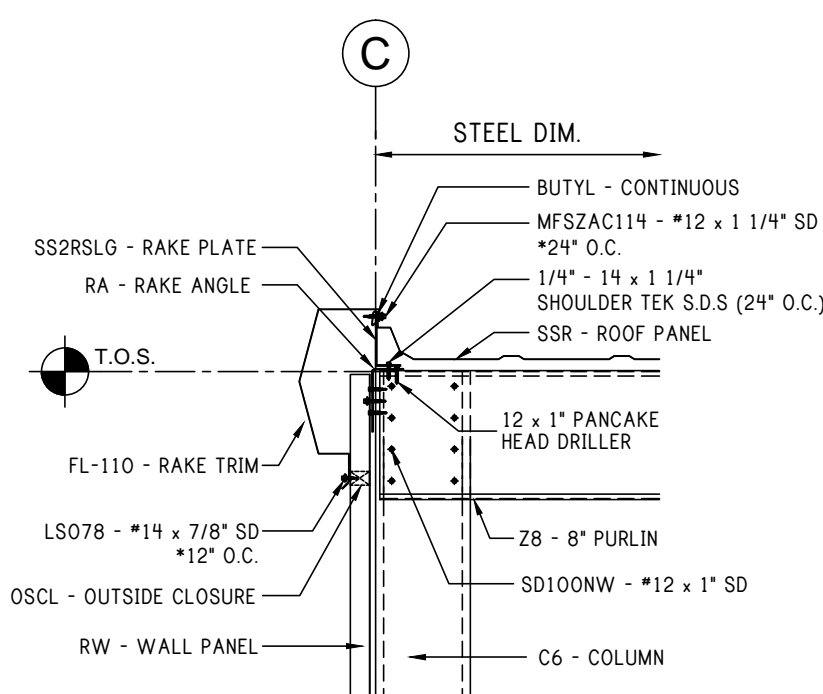
TITLE: 30' x 140' x 14'-0" Gable

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7 of 8	12226-33772-S4	NMB	ALI

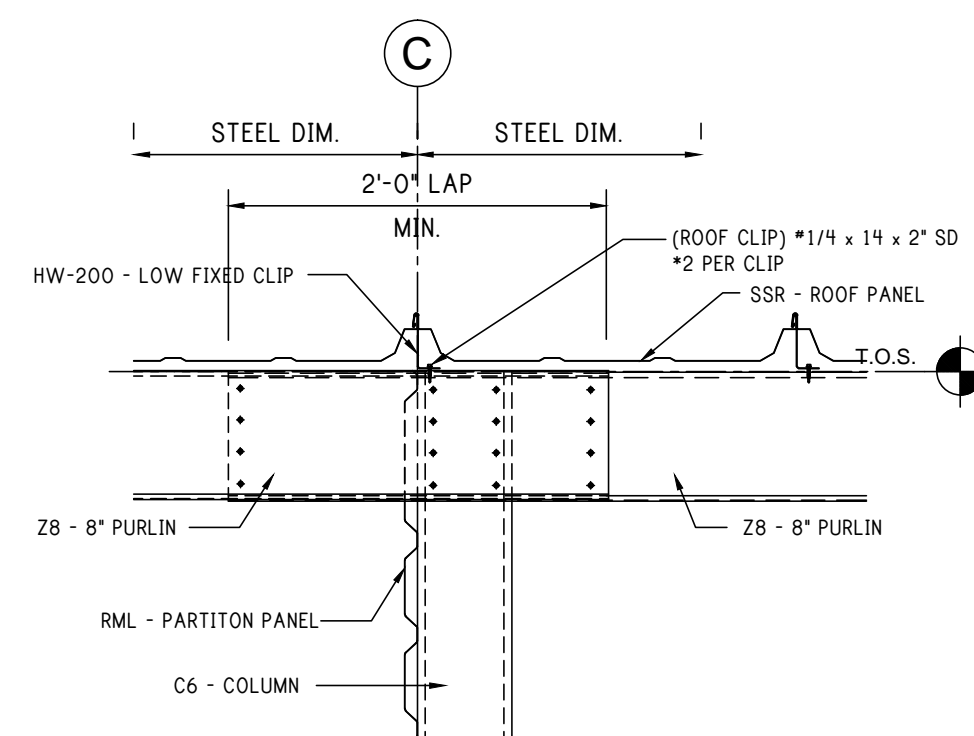
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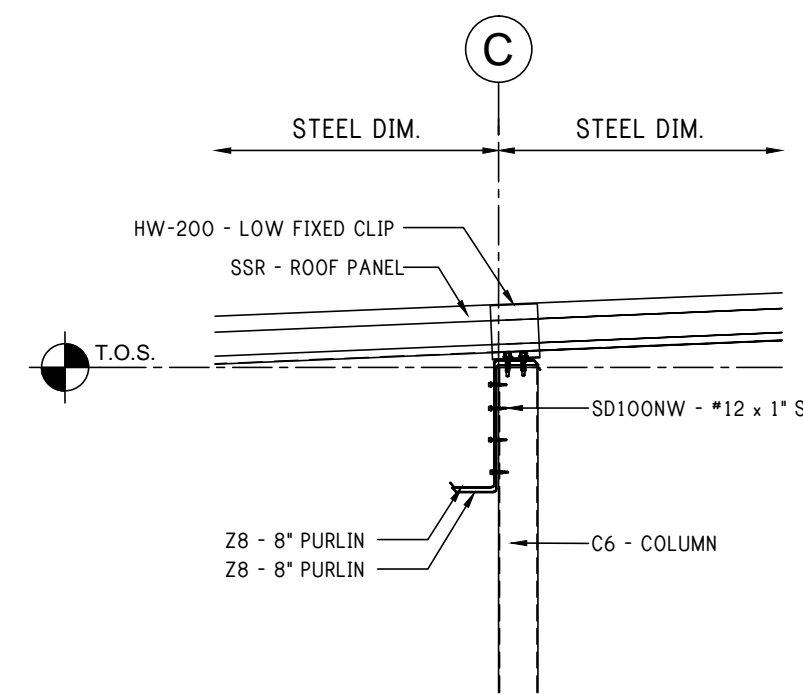
16 LOW EAVE w/ GUTTER



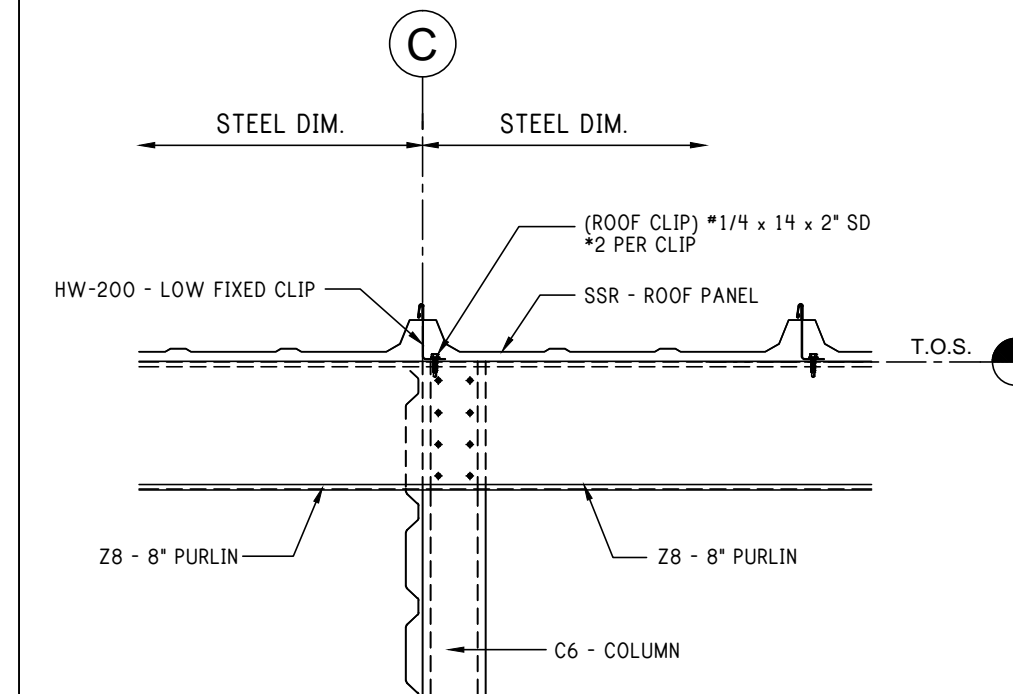
17 RAKE AT 8 PURLIN



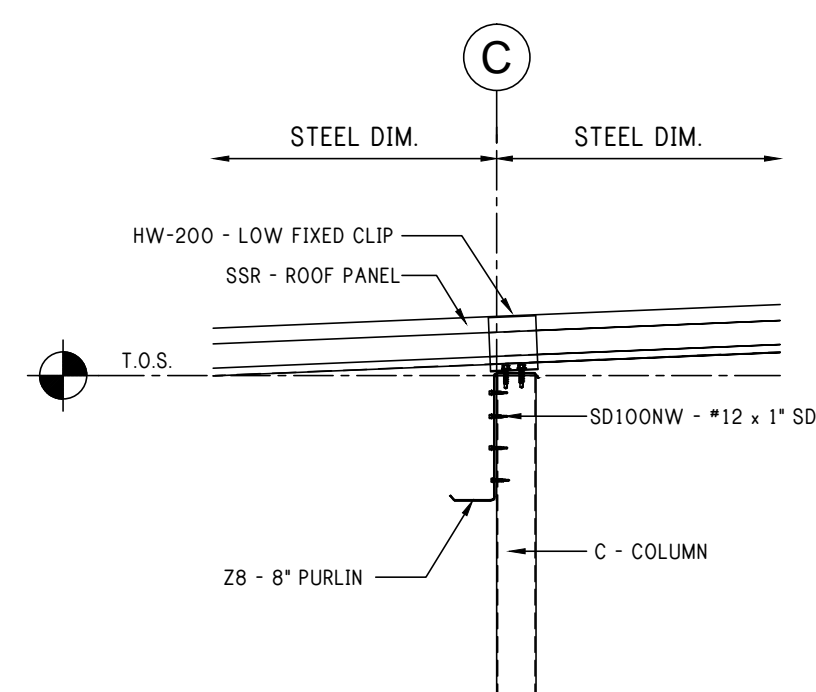
18 8 PURLIN LAP SIDE VIEW



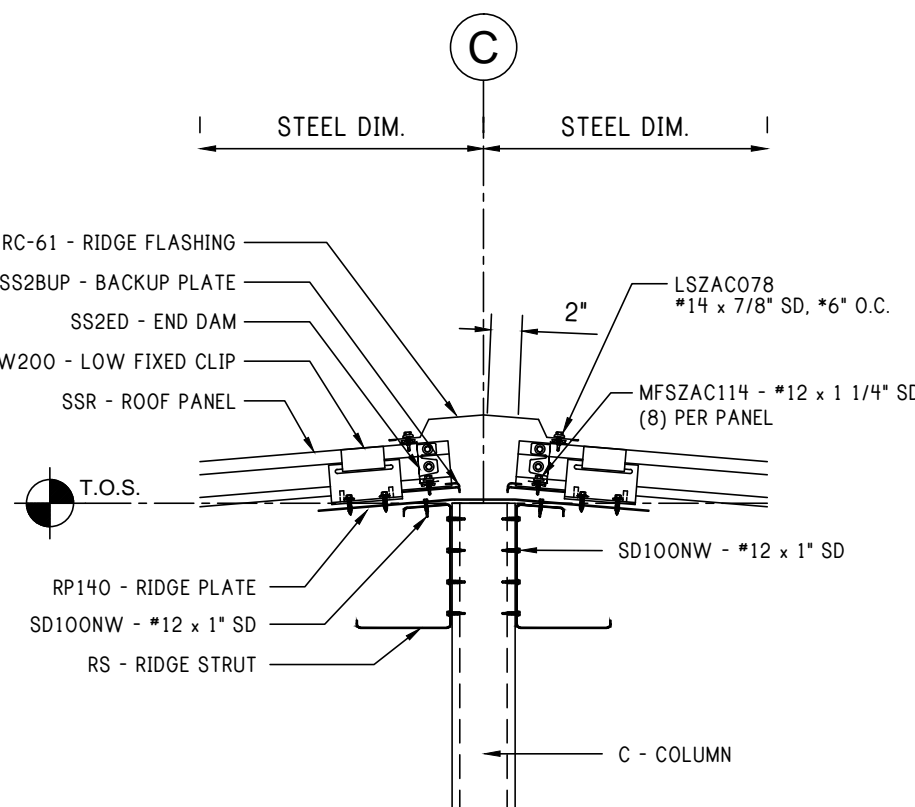
19 8 PURLIN LAP SECTION VIEW



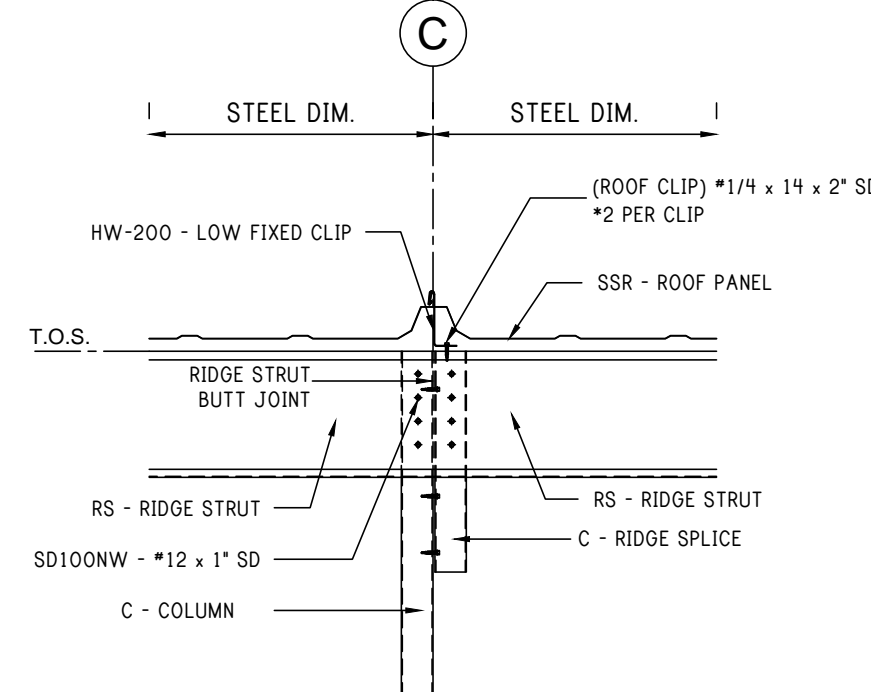
20 8 PURLIN SIDE VIEW



21 8 PURLIN SECTION VIEW

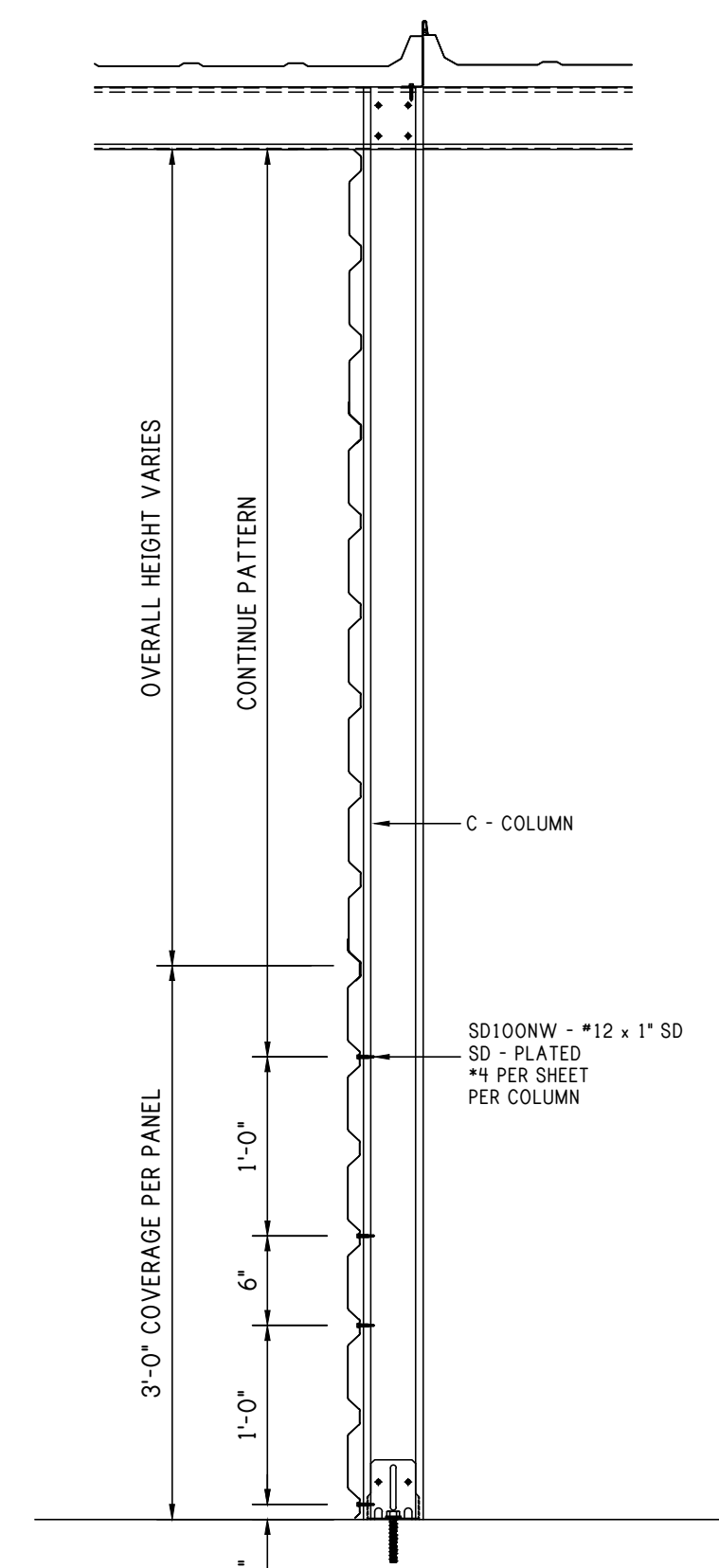


22 RIDGE STRUT @ SPLICE

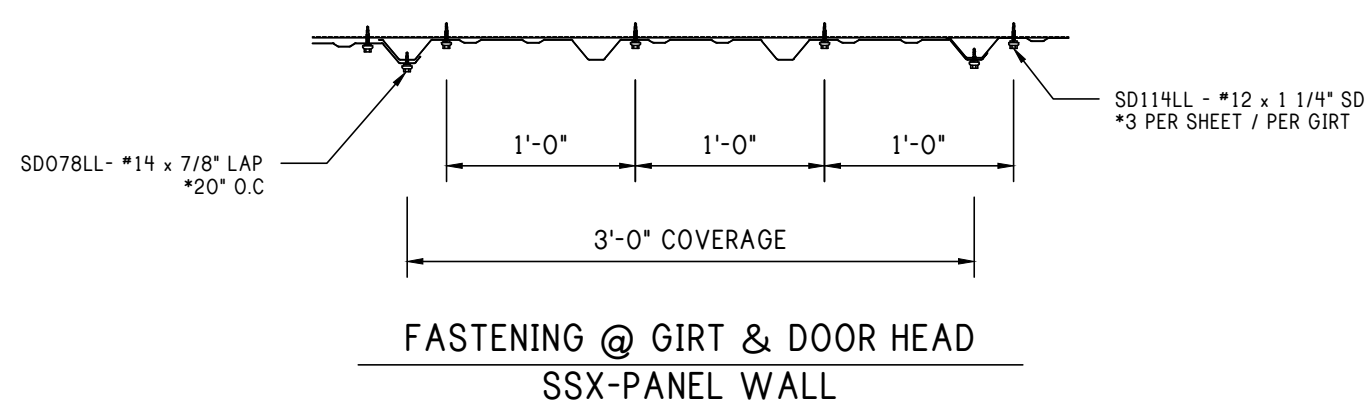


23 STRUT SPLICE - SIDE

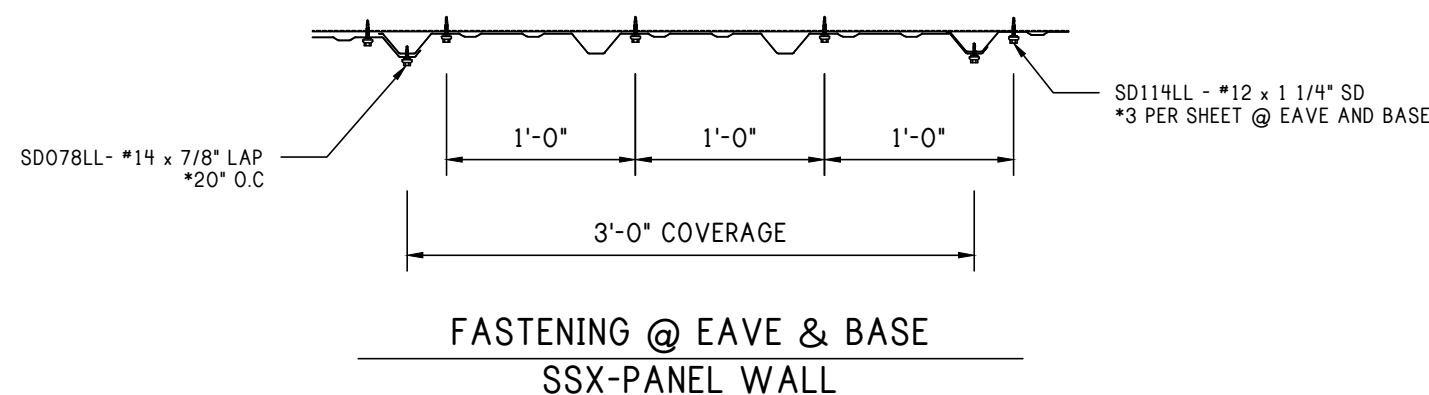
ERECTOR NOTE
TOP PARTITION PANEL MAY BE BACK LAPPED AS NEEDED.



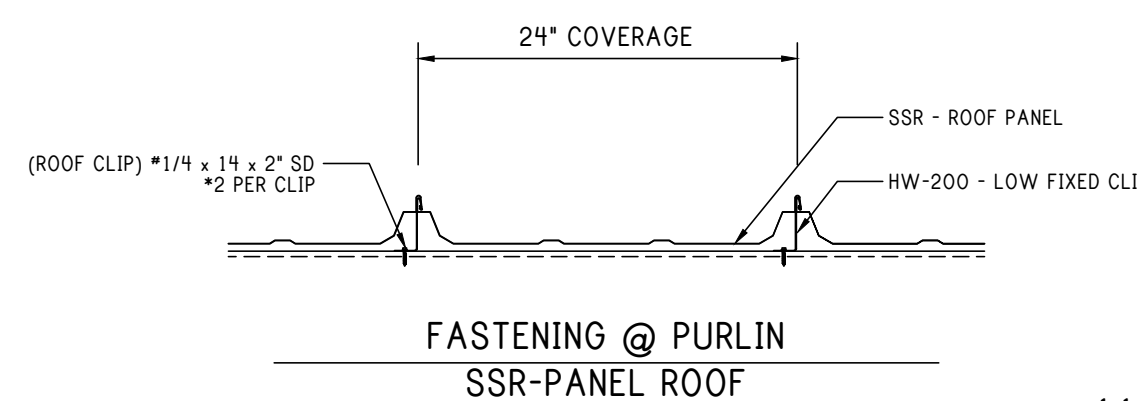
FASTENING LAYOUT @ COLUMN
REV. LRX-PANEL PARTITION



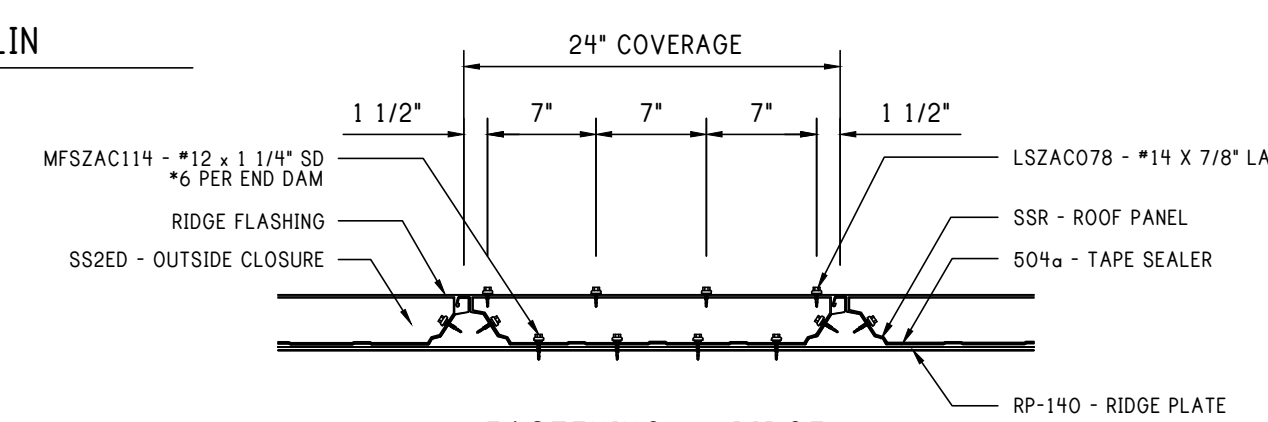
FASTENING @ GIRT & DOOR HEAD
SSX-PANEL WALL



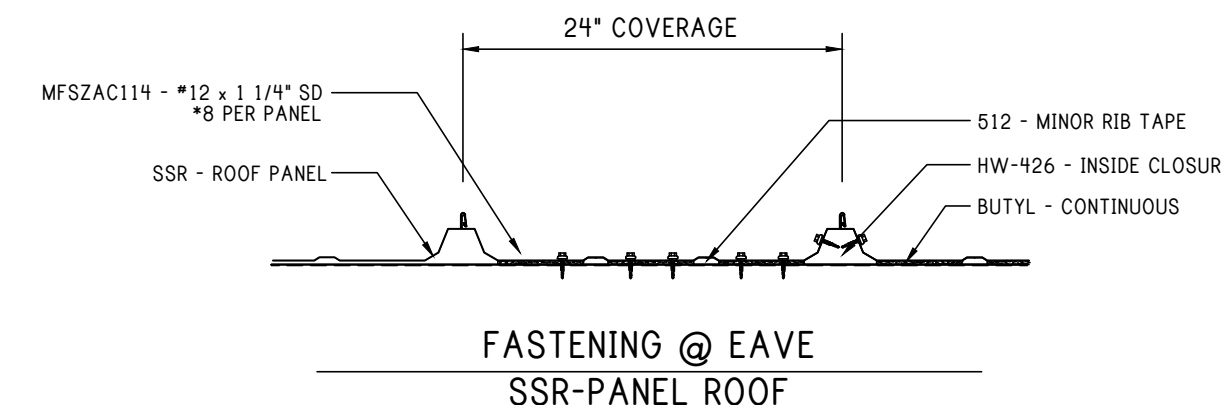
FASTENING @ EAVE & BASE
SSX-PANEL WALL



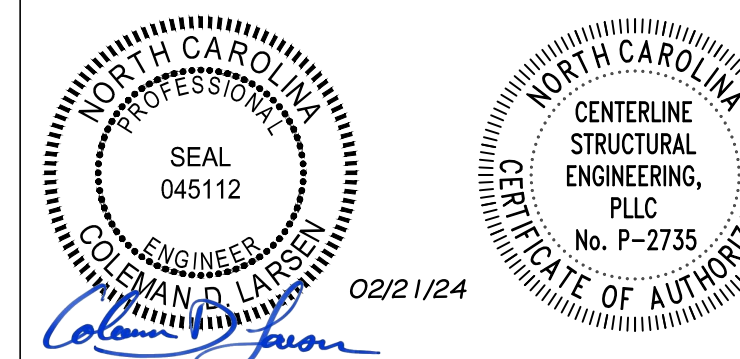
FASTENING @ PURLIN
SSR-PANEL ROOF



FASTENING @ RIDGE
SSR-PANEL ROOF



FASTENING @ EAVE
SSR-PANEL ROOF



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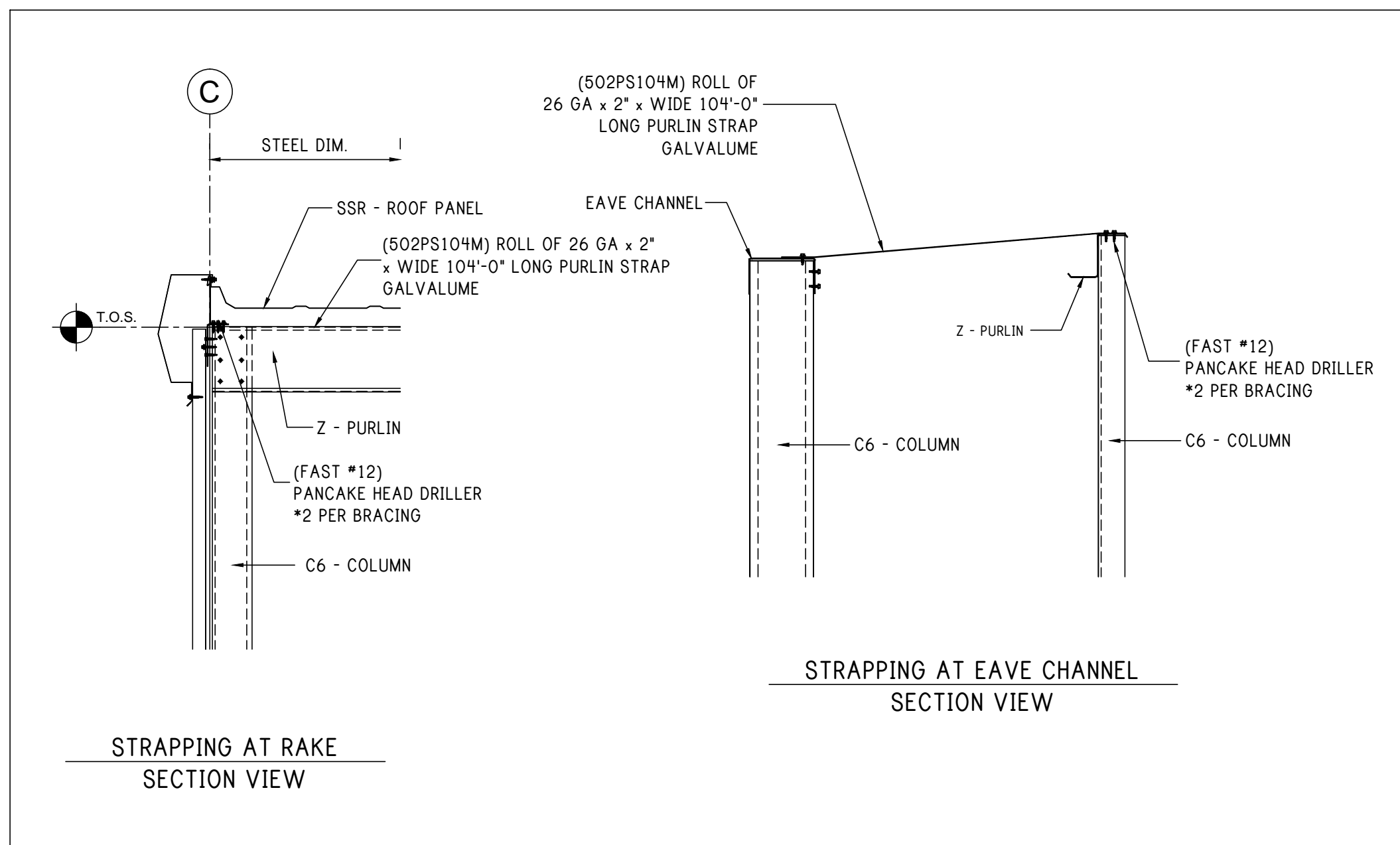


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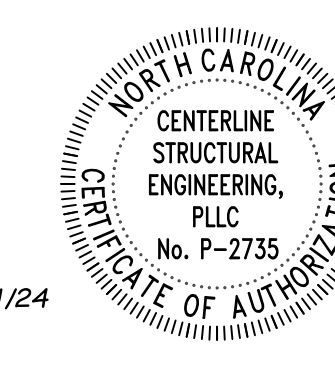
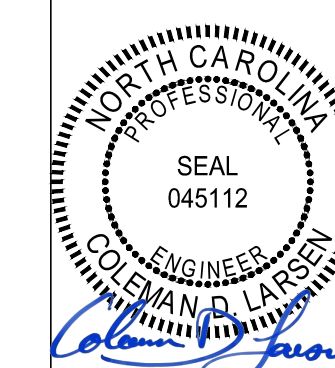
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SHEET NO: 7.1 of 8	DRAWING NO: 12226-33772-S4	REVISION:	



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Notes:



02/21/24

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SHEET NO: 7.2 of 8	DRAWING NO: 12226-33772-S4	REVISION:	

HVAC GENERAL NOTES

1. MECHANICAL CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR THE COMPLETE INSTALLATION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH RECOMMENDED PRACTICE, 2018 NORTH CAROLINA MECHANICAL CODE AND ALL APPLICABLE CODES ADOPTED BY THE AUTHORITY HAVING JURISDICTION.
2. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF WALLS, DOORS, WINDOWS, FURNITURE, LIGHTS, CEILING DIFFUSERS, ETC.
3. ALL MECHANICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE MECHANICAL CONTRACTOR.
4. MECHANICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR. REFRIGERANT COMPRESSORS SHALL BE GUARANTEED FOR FIVE YEARS. WARRANTY PERIOD SHALL BE EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY THE OWNER.
5. DRAWINGS ARE DIAGRAMMATIC AND MAY NOT SHOW ALL REQUIRED FITTINGS. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE TYPE, SIZE AND LOCATION OF ALL AIR DEVICES, DUCTWORK, PIPING AND EQUIPMENT WITH THE CEILING PLAN, LIGHTS, STRUCTURAL ELEMENTS AND OTHER TRADES. MECHANICAL CONTRACTOR TO FURNISH AND INSTALL ALL BENDS, OFFSETS, ELBOWS, ETC. AS REQUIRED. VERIFY ALL CLEARANCES PRIOR TO FABRICATING DUCTWORK, OR ORDERING ANY EQUIPMENT, PIPING, ETC.
6. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING MATERIALS AND INSTALLING THE WORK IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES ADOPTED BY THE AUTHORITY HAVING JURISDICTION.
7. THE MC SHALL VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS. THE MC SHALL CONTACT THE ENGINEER TO RESOLVE ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THESE PLANS. THE MC SHALL COORDINATE WITH OTHER TRADES PRIOR TO THE START OF CONSTRUCTION.
8. THE MC SHALL VERIFY THE FUNCTIONALITY AND OPERATION OF ALL EXISTING MECHANICAL EQUIPMENT IN THE AREA OF WORK. REPLACE FILTERS, LEAK TEST AND RECHARGE REFRIGERANT LINES, REPLACE OR LUBRICATE BEARINGS, CHECK LINKAGES AND ACTUATORS, AND PERFORM OTHER MAINTENANCE SERVICE AS NECESSARY TO GET THE EQUIPMENT IN PROPER WORKING ORDER.
9. DUCTWORK
 - A. NON-RESIDENTIAL AREAS: ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS WITH A MINIMUM PRESSURE CLASSIFICATION OF 2", SEAL CLASS C, WITH A MAXIMUM LEAKAGE RATE OF 5%. RESIDENTIAL/DWELLING AREAS: ALL DUCTWORK SHALL BE FIBROUS GLASS DUCT BOARD FACED ON THE OUTSIDE WITH A FIRE RETARDANT, REINFORCED FOIL-SCRIM-KRAFT FACING, CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS. DUCT INSULATION IS TO BE MIN. R-6 WHEN LOCATED WITHIN THE CONDITIONED BUILDING ENVELOPE; MIN. R-8 WHEN LOCATED IN THE ATTIC, OUTSIDE THE BUILDING ENVELOPE OR UNCONDITIONED SPACES.
 - B. ALL SQUARE ELBOWS SHALL HAVE TURNING VANES.
 - C. ALL DUCT DIMENSIONS SHOWN ARE INTERNAL CLEAR DIMENSIONS.
 - D. PROVIDE A MANUAL BALANCING DAMPER AT ALL SUPPLY AND RETURN BRANCH TAKEOFFS, AS WELL AS ALL OUTSIDE AIR MAIN & BRANCH DUCTS.
 - E. FLEXIBLE DUCT, IF SHOWN ON DRAWINGS, SHALL BE INSULATED ROUND DUCT WITH AN OUTER GLASS REINFORCED SILVER MYLAR JACKET ENCLOSING MIN. 1-1/2" THICK GLASS FIBER INSULATION AROUND A CONTINUOUS INNER LINER, AND SHALL CONFORM TO THE REQUIREMENTS OF U.L. 181 FOR CLASS 1 FLEXIBLE AIR DUCTS. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 6 FEET FOR COMMON AREA SYSTEMS. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL NOT BE LIMITED FOR DWELLING UNIT SYSTEMS. "R" VALUE TO MEET EXCEED ENERGY CODE (NCECC SECTION C 403.2.9). DUCT INSULATION IS TO BE MIN. R-6 WHEN LOCATED WITHIN THE CONDITIONED BUILDING ENVELOPE; MIN. R-8 WHEN LOCATED IN THE ATTIC, OUTSIDE THE BUILDING ENVELOPE OR UNCONDITIONED SPACES.
 - F. ALL SHEET METAL DUCTWORK WITHIN 10' OF THE AIR HANDLING UNIT SHALL BE PROVIDED WITH ACOUSTICAL DUCT LINER. THIS IS IN ADDITION TO THERMAL INSULATION REQUIREMENTS.
 - G. ALL DUCT SYSTEMS ARE TO BE PER U.L. STANDARDS. DUCTS ARE TO BE INSTALLED WITH NO RESTRICTIONS AND AN ABSOLUTE MINIMUM AMOUNT OF AIR LEAKAGE.
 - H. ALL DUCT INSULATION SHALL BE RUN CONTINUOUSLY THROUGH FLOORS AND PARTITIONS.
10. PIPING
 - A. CONDENSATE DRAINS SHALL BE SCHEDULE 40 PVC OR TYPE L COPPER WITH SOLDERED JOINTS WHEN INSTALLED BELOW CEILING LEVEL. DRAINS INSTALLED IN A RETURN AIR PLENUM SHALL BE TYPE L COPPER WITH SOLDERED JOINTS OR SCHEDULE 40 CPVC.
 - B. REFRIGERANT PIPING SHALL BE TYPE ACR WROUGHT COPPER WITH WROUGHT COPPER FITTINGS AND BRAZED JOINTS.
 - C. REFRIGERANT COMPONENTS SHALL BE PRESSURE TESTED IN ACCORDANCE WITH ASHRAE 15.
 - D. MECHANICAL CONTRACTOR SHALL PROVIDE REFRIGERANT PIPING FOR ALL MECHANICAL SYSTEMS WITHIN THIS SCOPE OF WORK. COORDINATE ROUTING AND INSTALLATION WITH THE GENERAL CONTRACTOR. SIZE REFRIGERANT LINES PER MANUFACTURER'S REQUIREMENTS.
11. INSULATION
 - A. DUCT LINER - FIBROUS GLASS DUCT LINER, WITH COATED SURFACE EXPOSED TO AIR STREAM. APPLY WITH MECHANICAL FASTENERS AND 100% COVERAGE OF ADHESIVE. LINER TO BE COATED WITH AN EPA REGISTERED ANTI-MICROBIAL AGENT. DUCT INSULATION VALUE IS TO BE MIN. R-6 WHEN LOCATED WITHIN THE CONDITIONED BUILDING ENVELOPE; MIN. R-8 WHEN LOCATED IN THE ATTIC, OUTSIDE THE BUILDING ENVELOPE OR UNCONDITIONED SPACES. DUCT LINER USED FOR ACOUSTICAL PURPOSES ONLY SHALL BE 1" THICK.
 - B. DUCT WRAP - MINERAL FIBER BLANKET, WITH REINFORCED FOIL AND PAPER VAPOR RETARDANT JACKET. APPLY WITH MECHANICAL FASTENERS AND ADHESIVE. DUCT INSULATION IS TO BE MIN. R-6 WHEN LOCATED WITHIN THE CONDITIONED BUILDING ENVELOPE; MIN. R-8 WHEN LOCATED IN THE ATTIC, OUTSIDE THE BUILDING ENVELOPE OR UNCONDITIONED SPACES.
 - C. INTERIOR CONDENSATE DRAINS - INSULATE CONDENSATE DRAINS LOCATED IN THE ATTIC, EXTERIOR WALLS OR UNCONDITIONED SPACES WITH 1/2" THICK FLEXIBLE ELASTOMERIC PIPE INSULATION.
 - D. REFRIGERANT SUCTION LINES - INSULATE WITH 1" THICK FLEXIBLE ELASTOMERIC PIPE INSULATION. PROVIDE ALUMINUM JACKET OVER INSULATION FOR ALL EXTERIOR REFRIGERANT PIPING.
 - E. AIR DISTRIBUTION - INSULATE THE TOP-SIDE OF ALL AIR DISTRIBUTION DEVICES.
12. ALL PIPING, DUCTS, VENTS, ETC., EXTENDING THROUGH WALLS & ROOF SHALL BE FLASHED & COUNTER-FLASHED IN A WATERPROOF MANNER.
13. EXTEND ALL CONDENSATE DRAINS TO JANITORS SINK, FLOOR DRAIN, SPLASH BLOCK OR AS REQUIRED PER CODE. DRAINS FROM MECHANICAL EQUIPMENT SHALL BE PROVIDED W/ A DEEP SEAL TRAP. SLOPE CONDENSATE DRAIN PIPING AT MIN. 1/8" PER FOOT.
14. NON-RESIDENTIAL AREAS: LOCATE ALL THERMOSTATS, SWITCHES AND OTHER CONTROL DEVICES AT 4'-0" ABOVE FINISHED FLOOR. FURNISH A THERMOSTATIC CONTROL DEVICE FOR EVERY DEVICE REQUIRING ONE WHETHER SHOWN ON DRAWINGS OR NOT RESIDENTIAL/DWELLING AREAS: LOCATE ALL THERMOSTATS, SWITCHES AND OTHER CONTROL DEVICES AT 4'-0" TO ABOVE FINISHED FLOOR FOR STANDARD DWELLING UNITS; 4'-0" TO TOP OF DEVICE FOR ACCESSIBLE UNIT TYPES. FURNISH THERMOSTATIC CONTROL DEVICE FOR EVERY DEVICE REQUIRING ONE WHETHER SHOWN ON DRAWINGS OR NOT.
15. ALL EQUIPMENT SHALL BE INSTALLED PER CODE & MANUFACTURER'S REQUIREMENTS FOR PROPER OPERATION AND SERVICE/ACCESS CLEARANCES.
16. ALL EQUIPMENT SHALL BE U.L. LISTED.
17. MECHANICAL CONTRACTOR SHALL BALANCE ALL MECHANICAL SYSTEMS TO AIR QUANTITIES INDICATED ON PLANS. CONTRACTOR SHALL PROVIDE A COMPLETE BALANCING REPORT FOR AT LEAST ONE SYSTEM IN EACH DWELLING UNIT TYPE, AND ALL COMMON AREA SYSTEMS IN ACCORDANCE WITH NEBB OR AABC STANDARDS.
18. CONTROL WIRING FOR ALL MECHANICAL SYSTEMS WITHIN THIS SCOPE OF WORK SHALL BE BY THE MECHANICAL CONTRACTOR.
19. DUCT SMOKE DETECTORS SHALL BE INSTALLED IN THE RETURN AIR DUCT OR PLENUM UPSTREAM OF ANY FILTERS OR DECONTAMINATION EQUIPMENT UPON ACTIVATION THE SMOKE DETECTOR SHALL SHUT DOWN THE AIR HANDLING UNIT AS REQUIRED BY 2018 NORTH CAROLINA MECHANICAL CODE 806. * IF THERE IS A FIRE ALARM SYSTEM, DETECTORS SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR. INSTALLED BY THE MECHANICAL CONTRACTOR. ACTIVATION OF THE DUCT SMOKE DETECTOR SHALL INITIATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION. * IF THERE IS NOT A FIRE ALARM SYSTEM, DETECTORS SHALL BE FURNISHED, WIRED AND INSTALLED BY THE MECHANICAL CONTRACTOR. ACTIVATION OF THE DUCT SMOKE DETECTOR SHALL INITIATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION.

20. PROVIDE A CLEAN SET OF FILTERS FOR ALL AIR HANDLING EQUIPMENT AT SUBSTANTIAL COMPLETION.
21. MAINTAIN A MINIMUM 10'-0" BETWEEN OUTDOOR AIR INTAKES AND EXHAUST FAN DISCHARGE AND PLUMBING VENTS, ETC. FIELD COORDINATE FINAL LOCATIONS.
22. PROVIDE 4" THICK CONCRETE PAD FOR ALL GROUND MOUNTED OUTDOOR MECHANICAL UNITS. PADS SHALL BE MINIMUM 6" LARGER THAN UNIT ON ALL SIDES.
23. RUN DUCT UP WITHIN STRUCTURE OR THROUGH JOIST WEBS WHERE POSSIBLE & WHERE REQUIRED TO MAINTAIN CEILING HEIGHTS. PROVIDE OFFSETS AND/OR TRANSITIONS IN DUCT WHERE REQUIRED WITH MAX. 45° DEG. ELBOWS. MAKE BRANCH TAPS OFF TOP, SIDES OR BOTTOM AS REQUIRED. NO BACK TO BACK 90° DEG. ELBOWS ALLOWED.
24. REFRIGERANT PIPING SHALL BE SIZED & INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
25. ALL EQUIPMENT SHALL BE LABELED ACCORDING TO NUMBERING / IDENTIFICATION SYSTEM PER PLANS.
26. ALL EQUIPMENT SUPPORTS ARE REQUIRED TO MEET ASCE 9.6.
27. MECHANICAL CONTRACTOR SHALL PROVIDE U.L. LISTED FIRE DAMPERS, RADIATION DAMPERS AND/OR FIRE/SMOKE DAMPERS WHERE REQUIRED FOR FIRE PROTECTION AS REQUIRED BY LOCAL CODES. M.C. SHALL PROVIDE A MEANS OF ACCESS TO TEST & RESET ALL SUCH DAMPERS AND/OR ACTUATORS.
28. ON MAKING PIPE CONNECTIONS TO EQUIPMENT, CARE SHOULD BE TAKEN TO ARRANGE PIPES SO AS NOT TO INTERFERE WITH OPENING OF ACCESS DOORS.
29. ELECTRICAL CONTRACTOR TO PROVIDE ALL HIGH VOLTAGE (120V AND GREATER) ELECTRICAL WIRING, CONDUIT, DISCONNECT SWITCHES, FUSES, ETC. TO ALL MECHANICAL EQUIPMENT WITHIN THIS SCOPE OF WORK. ALL FINAL ELECTRICAL CONNECTIONS ARE BY ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS FOR ALL APPROVED MECHANICAL EQUIPMENT WITH THE ELECTRICAL CONTRACTOR.
30. PRIOR TO BEGINNING ANY WORK, MECHANICAL CONTRACTOR IS RESPONSIBLE TO NOTIFY THE OWNER'S REPRESENTATIVE, ARCHITECT OR ENGINEER IF THE MECHANICAL DESIGN CONFLICTS WITH EXISTING OR UNFORESEEN FIELD CONDITIONS.
31. MECHANICAL CONTRACTOR SHALL PROVIDE A MIN. OF FOUR COPIES OF SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR ALL INSTALLED EQUIPMENT AND MATERIALS NEEDING APPROVAL PRIOR TO PURCHASING. IN ADDITION, M.C. SHALL PROVIDE THE OWNER WITH TWO COPIES OF OPERATION & MAINTENANCE MANUALS FOR ALL INSTALLED EQUIPMENT, MANUFACTURER'S & INSTALLER'S WARRANTIES AND TRAINING FOR CONTROLS OF ALL SUCH EQUIPMENT.

Mechanical Design Summary

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone: 4A
 winter dry bulb: 23.1 °F
 summer dry bulb: 91.7 °F
 summer wet bulb: 75.6 °F

Interior design conditions
 winter dry bulb: 70 °F
 summer dry bulb: 75 °F
 relative humidity: 50%

Building heating load (Per Unit): 11,500 btu

Building cooling load (Per Unit): 13,700 btu

Mechanical Spacing Conditioning System

Unitary
 description of unit: Mini-Split System DX
 heating efficiency: See Schedules
 cooling efficiency: See Schedules
 size category of unit: See Schedules
 Boiler
 Size category: If oversized, state reason: N/A
 Chiller
 Size category: If oversized, state reason: N/A

List equipment efficiencies: N/A

To the best of my knowledge, the mechanical design for this building complies with mechanical and equipment requirements of the 2018 North Carolina state building code and 2018 North Carolina energy conservation code.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	THERMOSTAT (HONEYWELL VISION PRO 8000 OR EQUAL) WITH KEY LOCKING GUARD COVER
	CEILING SUPPLY DIFFUSER
	CEILING RETURN DIFFUSER
	SPIRAL DUCT SUPPLY DIFFUSER
	RECTANGULAR METAL DUCT
	ROUND METAL/SPIRAL DUCT
	MAIN TRUNK AND BRANCH DUCT TAKEOFF WITH VOLUME DAMPER
	FLEX DUCT
	1' DOOR UNDER CUT
	TURNING VANES
SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
OA	OUTSIDE AIR
CFM	CUBIC FEET PER MINUTE
AH	AIR HANDLER
HP	HEAT PUMP
AC	AIR CONDITIONING UNIT
RTU	ROOFTOP UNIT
BDD	BACK DRAFT DAMPER
REL	RELOCATE
VD	VOLUME DAMPER
AFF	ABOVE FINISHED FLOOR
GC	GENERAL CONTRACTOR
MC	MECHANICAL CONTRACTOR

MECHANICAL DRAWING INDEX	
MO.1	MECHANICAL LEGENDS AND NOTES
M1.1	MECHANICAL PLAN

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NORTH CAROLINA
PROFESSIONAL SEAL
056419
ENGINEER
DANIEL B. A. SHARPE
8-22-24

DESIGN FOR:
BAUCOM BUSINESS PLAZA - S4
11132 U.S. 401 N
FUQUAY-VARINA, NC 27526

DUCTLESS SPLIT-SYSTEM AIR HANDLING UNIT SCHEDULE

TAG	MANUFACTURER / MODEL	SUPPLY FAN CFM	MCA (AMPS)	MOCP	VOLT / PHASE / HZ	NOTES
DSS-(1-7)	LG / LSN180HSV5	706	1	-	208/1/60	1,3,4,6

1. PROVIDE MANUFACTURER'S DISCONNECT FOR INDOOR UNIT.
2. DISCONNECT PROVIDED BY ELECTRICAL FOR OUTDOOR UNIT.
3. SINGLE POINT POWER FROM OUTDOOR UNIT. INDOOR UNIT MUST BE INTERLOCKED WITH ASSOCIATED OUTDOOR UNIT.
4. PROVIDE WALL MOUNTED THERMOSTAT.
5. PROVIDE CONCRETE PAD FOR UNIT TO SIT ON.
6. BASIS OF DESIGN IS LG, OR EQUAL BY MITSUBISHI, DAIKIN, CARRIER, OR EQUIVALENT.

DUCTLESS SPLIT-SYSTEM HEAT PUMP UNIT SCHEDULE

TAG	MANUFACTURER / MODEL	TOTAL COOLING CAPACITY (MBH)	MCA (AMPS)	MOCP	VOLT / PHASE / HZ	NOTES
DSHP-(1-7)	LG / LSU180HSV5	18.0	13	20	208/1/60	2,3,5,6

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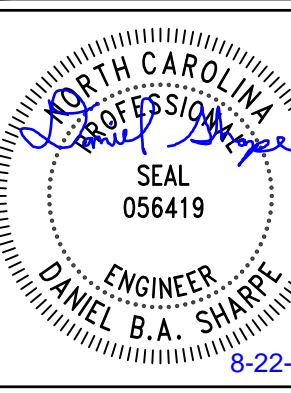
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PROJECT NO.: **24-029**
 DRAWN BY: **DBS**
 CHECKED BY: **DBS**

MECHANICAL LEGENDS AND NOTES

MO.1

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BAUCOM BUSINESS PLAZA - S4
11132 U.S. 401 N
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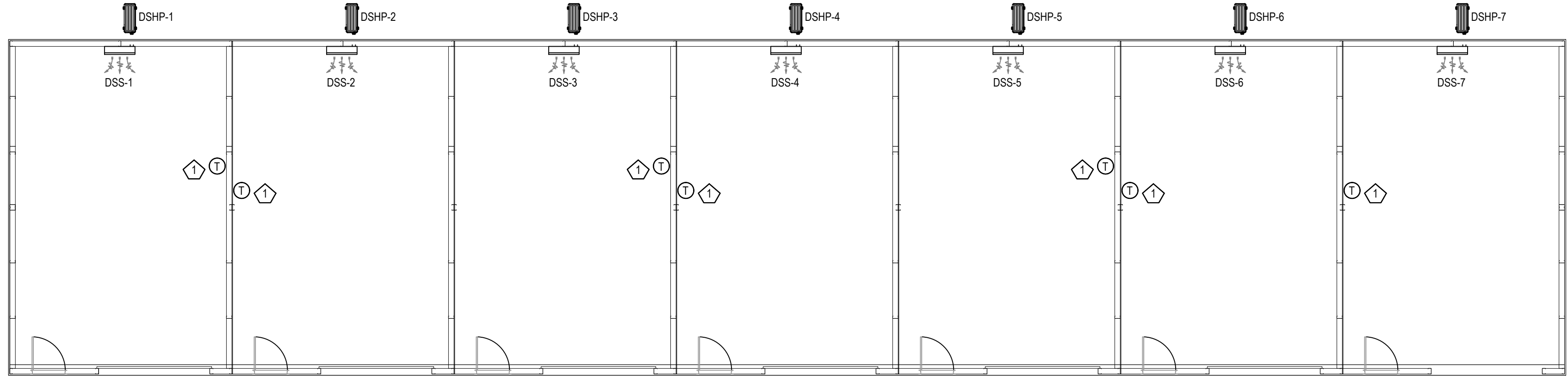
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PROJECT NO.: 24-029
DRAWN BY: DBAS
CHECKED BY: DBAS

MECHANICAL PLAN

M1.1

MECHANICAL KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
1	VERIFY EXACT MOUNTING LOCATION OF THERMOSTATS WITH OWNER PRIOR TO BEGINNING WORK.



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

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 UNDERWRITERS 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/SLUGS 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. 5/8" IN ANY DIRECTION SHALL BE DONE AT NO ADDITIONAL COST TO THE CONTRACTOR.
- 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 THW/THWN. 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". 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". 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 ROUGH-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 INDELEBIL MARKER PEN.
- G28. COORDINATE ALL DEVICE AND DEVICE PLATE COLORS WITH OWNER/ARCHITECT. DEVICES AND DEVICE PLATES LOCATED IN CABINERY SHALL BE A DARK COLOR TO MATCH CABINERY 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 #8 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

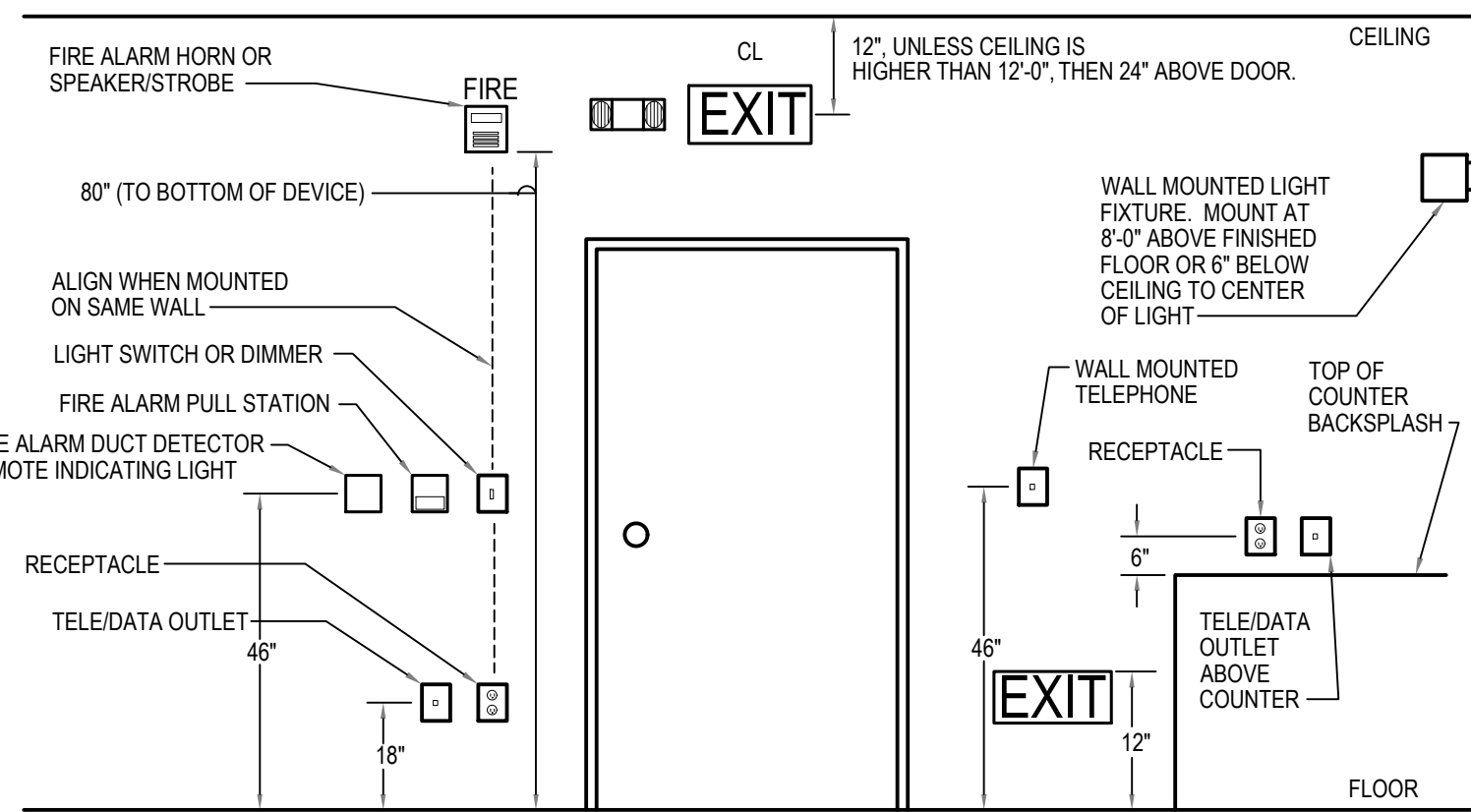
total interior wattage specified vs. allowed: 755 Watts Specified vs. 2629 Watts Allowed
 total exterior wattage specified vs. allowed: N/A

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
	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 WAY SWITCH
	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
	MOTOR RATED SWITCH RATED AT 20 AMPS, VOLTAGE TO MATCH EQUIPMENT
	20 AMP SWITCH IN WEATHERPROOF BOX WITH WEATHERPROOF COVER
	ELECTRICAL PANEL
	DUSK/DAWN PHOTOCELL
	GENERAL CONTRACTOR
	ELECTRICAL CONTRACTOR
	ABOVE FINISHED FLOOR
	ABOVE FINISHED GRADE
	RECEPTACLE
	LIGHTS
	ISOLATED GROUND
	WEATHER PROOF (DEVICE TO HAVE WEATHERPROOF IN-USE COVER)
	GROUND FAULT CIRCUIT INTERRUPTER
	ARC FAULT CIRCUIT INTERRUPTER

LUMINAIRE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	CCT	MOUNTING	MAX WATTS	BALLAST/DRIVER	REMARKS
A	8' LED STRIP LIGHT	NATUREAD	FX-CSL-35SW-48FR-8CCT3-MV	4000K	SURFACE	36	LED	1
B	EXTERIOR GOOSE NECK	NUVO	65-661	VARIABLE	SURFACE	50	LED	1
C	FLOOD LIGHT	NUVO	65-715	3000K	SURFACE	20	LED	1

1. PROVIDE WITH INTEGRAL MOTION SENSOR.

GENERAL NOTES:

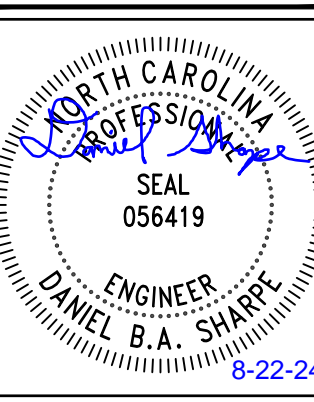
- THE CONTRACTOR SHALL VERIFY THE LEAD TIME OF ALL PRODUCTS SPECIFIED IN THIS SCHEDULE AT THE TIME OF PACKAGE QUOTE.
- DURING THE BID PROCESS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DELIVERY/SCHEDULING ISSUES.
- NO SUBSTITUTIONS WILL BE ALLOWED DUE TO THE LACK OF COORDINATION OF DELIVERY DATES AND CONSTRUCTION SCHEDULE AFTER BID.
- ALL EXPEDITED EXPENSES SHALL BE THE RESPONSIBILITY OF THE CONTRACTORS.
- 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.
- LIGHTING FIXTURES SHALL MEET THE AESTHETICS, DESCRIPTION AND SPECIFICATIONS, SUBSTITUTIONS SHALL INCLUDE PT. BY PT. CALCULATIONS.
- 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 PROVIDING SUCH DEVIATION FOR THE ARCHITECT/ENGINEER AND OWNER TO MAKE AN INFORMED DECISION.
- 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.
- 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.
- 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 OTHERWISE.
- LED MODULES SHALL BE REPLACEABLE.
- 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.

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



DISCLAIMER

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DESIGN FOR:
BAUCOM BUSINESS PLAZA - S4
 11132 U.S. 401 N
 FUQUAY-VARINA, NC 27526

REV. NO.	DATE	DESCRIPTION
1		
2		
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ISS. NO.	DATE	DESCRIPTION
1	8-22-24	FOR PERMITTING
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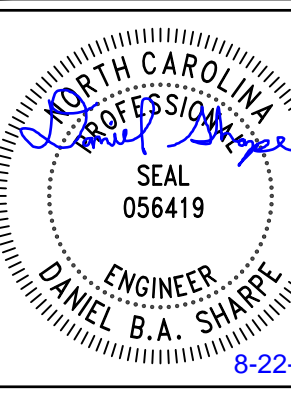
PROJECT NO.: **24-029**
 DRAWN BY: **DBS**
 CHECKED BY: **DBS**

ELECTRICAL LEGENDS AND NOTES

E0.1

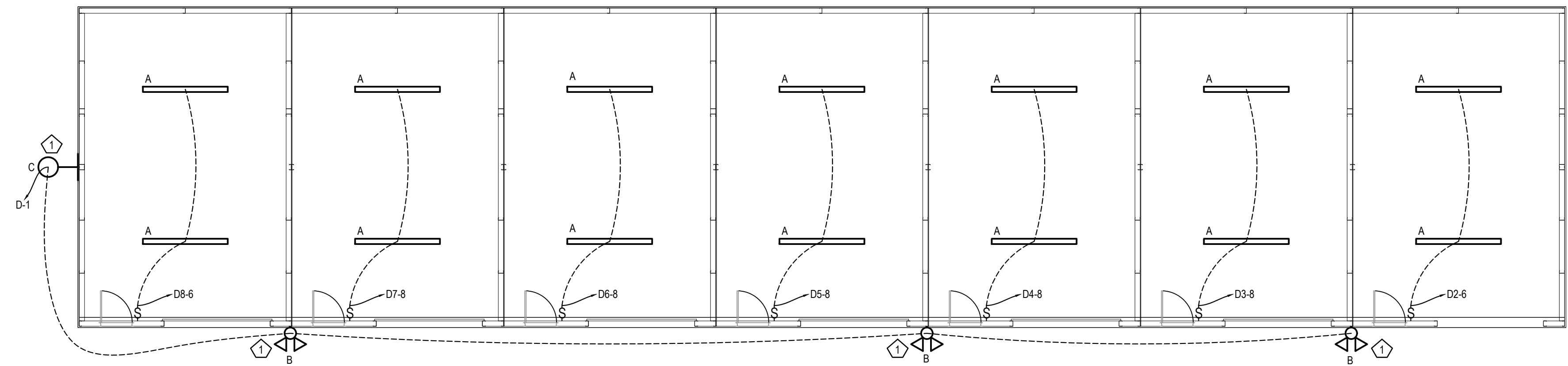
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DESIGN FOR:
BAUCOM BUSINESS PLAZA - S4
11132 U.S. 401 N
FUQUAY-VARINA, NC 27526

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"

REV. NO.	DATE	DESCRIPTION
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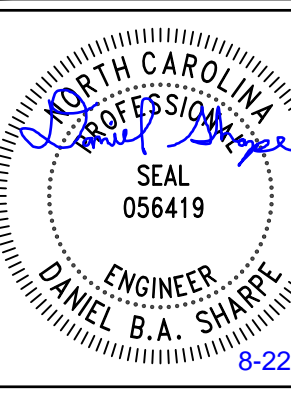
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LIGHTING PLAN

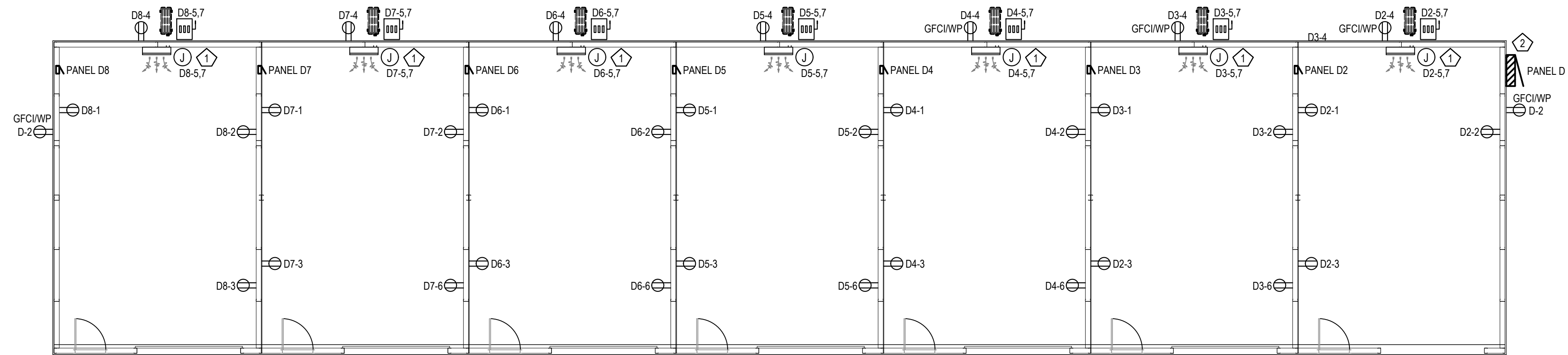
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POWER KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
1	SINGLE POINT POWER FROM OUTDOOR UNIT. INDOOR UNIT MUST BE INTERLOCKED WITH ASSOCIATED OUTDOOR UNIT.
2	VERIFY EXACT MOUNTING LOCATION OF DIGITAL SUB-METERS WITH OWNER PRIOR TO BEGINNING WORK.



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

REV. NO.	DATE	DESCRIPTION
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ISS. NO.	DATE	DESCRIPTION
1	8-22-24	FOR PERMITTING
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PROJECT NO.:	DRAWN BY:
24-029	DBAS
CHECKED BY:	
DBAS	

POWER PLAN

E1.2

200 AMP MAIN BREAKER		PANELBOARD D						LOCATION: S4	
225 AMP BUS RATING		30 POLES		10 KA SHORT CIRCUIT RATING		ENCLOSURE RATING: NEMA 3R		MOUNTING: SURFACE	
208Y/120 VOLTS		3 PHASE 4 WIRE		60 HZ					
CIRCUIT NO.	DESCRIPTION	BREAKER AMPS/POLES	LOAD KVA			BREAKER AMPS/POLES	DESCRIPTION	CIRCUIT NO.	
			PHASE A	PHASE B	PHASE C				
1	HOUSE LIGHTING	20/1	0.13	0.36		20/1	EXTERIOR RECEPTACLES	2	
3	PANEL D2 (1)	60/2		1.80	1.80	60/2	PANEL D3 (1)	4	
5					1.71	1.89		6	
7	PANEL D4 (1)	60/2	1.80	1.80		60/2	PANEL D5 (1)	8	
9				1.89	1.89			10	
11	PANEL D6 (1)	60/2			1.80	1.80	PANEL D7 (1)	12	
13			1.89	1.89				14	
15	PANEL D8 (1)	60/2			1.80		SPARE	16	
17						1.71	SPARE	18	
19	SPACE						SPACE	20	
21	SPACE						SPACE	22	
23	SPACE						SPACE	24	
25	SPACE						SPACE	26	
27	SPACE						SPACE	28	
29	SPACE						SPACE	30	
TOTAL PHASE KVA PER PHASE			7.87	9.18	8.91	DEMAND KVA: 29.52			
TOTALCONNECTED KVA						DEMAND AMPS: 82			
AMPS PER PHASE			66	77	74				

NOTES:
1 PROVIDE DIGITAL SUB METER RATED FOR 100A 208/240V FOR EACH SUBPANEL. VERIFY WITH OWNER FOR REMOTE MONITORING CAPABILITES.
2
3
4

100 AMP MAIN LUG ONLY		PANELBOARD D2						LOCATION: STORAGE UNIT	
100 AMP BUS RATING		8 POLES		10 KA SHORT CIRCUIT RATING		ENCLOSURE RATING: NEMA 1		MOUNTING: RECESSED	
208Y/120 VOLTS		1 PHASE 3 WIRE		60 HZ					
CIRCUIT NO.	DESCRIPTION	BREAKER AMPS/POLES	LOAD KVA		BREAKER AMPS/POLES	DESCRIPTION	CIRCUIT NO.		
			PHASE A	PHASE B					
1	RECEPTACLE	20/1	0.18	0.18	20/1	RECEPTACLE	2		
3	RECEPTACLE	20/1			20/1	EXTERIOR SERVICE RECEPTACLE	4		
5	MINI SPLIT	20/2	1.35	0.09	20/1	LIGHTING	6		
7					20/1	SPARE	8		
TOTAL PHASE KVA PER PHASE			1.8	1.71	DEMAND KVA: 4.03				
TOTALCONNECTED KVA						DEMAND AMPS: 19			
AMPS PER PHASE			15	14					

NOTES:
1 PANELBOARD 100A RATED WITH 100A RATED MAIN LUGS, PROTECTED BY 60A BREAKER IN MAIN DISTRIBUTION PANEL D
2
3
4

100 AMP MAIN LUG ONLY		PANELBOARD D3						LOCATION: STORAGE UNIT	
100 AMP BUS RATING		8 POLES		10 KA SHORT CIRCUIT RATING		ENCLOSURE RATING: NEMA 1		MOUNTING: RECESSED	
208Y/120 VOLTS		1 PHASE 3 WIRE		60 HZ					
CIRCUIT NO.	DESCRIPTION	BREAKER AMPS/POLES	LOAD KVA		BREAKER AMPS/POLES	DESCRIPTION	CIRCUIT NO.		
			PHASE A	PHASE B					
1	RECEPTACLE	20/1	0.18	0.18	20/1	RECEPTACLE	2		
3	RECEPTACLE	20/1			20/1	EXTERIOR SERVICE RECEPTACLE	4		
5	MINI SPLIT	20/2	1.35	0.09	20/1	LIGHTING	6		
7					20/1	RECEPTACLE	8		
TOTAL PHASE KVA PER PHASE			1.8	1.89	DEMAND KVA: 4.21				
TOTALCONNECTED KVA						DEMAND AMPS: 20			
AMPS PER PHASE			15	16					

NOTES:
1 PANELBOARD 100A RATED WITH 100A RATED MAIN LUGS, PROTECTED BY 60A BREAKER IN MAIN DISTRIBUTION PANEL D
2
3
4

100 AMP MAIN LUG ONLY		PANELBOARD D4						LOCATION: STORAGE UNIT	
100 AMP BUS RATING		8 POLES		10 KA SHORT CIRCUIT RATING		ENCLOSURE RATING: NEMA 1		MOUNTING: RECESSED	
208Y/120 VOLTS		1 PHASE 3 WIRE		60 HZ					
CIRCUIT NO.	DESCRIPTION	BREAKER AMPS/POLES	LOAD KVA		BREAKER AMPS/POLES	DESCRIPTION	CIRCUIT NO.		
			PHASE A	PHASE B					
1	RECEPTACLE	20/1	0.18	0.18	20/1	RECEPTACLE	2		
3	RECEPTACLE	20/1			20/1	EXTERIOR SERVICE RECEPTACLE	4		
5	MINI SPLIT	20/2	1.35	0.09	20/1	LIGHTING	6		
7					20/1	RECEPTACLE	8		
TOTAL PHASE KVA PER PHASE			1.8	1.89	DEMAND KVA: 4.21				
TOTALCONNECTED KVA						DEMAND AMPS: 20			
AMPS PER PHASE			15	16					

NOTES:
1 PANELBOARD 100A RATED WITH 100A RATED MAIN LUGS, PROTECTED BY 60A BREAKER IN MAIN DISTRIBUTION PANEL D
2
3
4

100 AMP MAIN LUG ONLY		PANELBOARD D5						LOCATION: STORAGE UNIT	
100 AMP BUS RATING		8 POLES		10 KA SHORT CIRCUIT RATING		ENCLOSURE RATING: NEMA 1		MOUNTING: RECESSED	
208Y/120 VOLTS		1 PHASE 3 WIRE		60 HZ					
CIRCUIT NO.	DESCRIPTION	BREAKER AMPS/POLES	LOAD KVA		BREAKER AMPS/POLES	DESCRIPTION	CIRCUIT NO.		
			PHASE A	PHASE B					
1	RECEPTACLE	20/1	0.18	0.18	20/1	RECEPTACLE	2		
3	RECEPTACLE	20/1			20/1	EXTERIOR SERVICE RECEPTACLE	4		
5	MINI SPLIT	20/2	1.35	0.09	20/1	LIGHTING	6		
7					20/1	RECEPTACLE	8		
TOTAL PHASE KVA PER PHASE			1.8	1.89	DEMAND KVA: 4.21				
TOTALCONNECTED KVA						DEMAND AMPS: 20			
AMPS PER PHASE			15	16					

NOTES:
1 PANELBOARD 100A RATED WITH 100A RATED MAIN LUGS, PROTECTED BY 60A BREAKER IN MAIN DISTRIBUTION PANEL D
2
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4

100 AMP MAIN LUG ONLY		PANELBOARD D6						LOCATION: STORAGE UNIT	
100 AMP BUS RATING		8 POLES		10 KA SHORT CIRCUIT RATING		ENCLOSURE RATING: NEMA 1		MOUNTING: RECESSED	
208Y/120 VOLTS		1 PHASE 3 WIRE		60 HZ					
CIRCUIT NO.	DESCRIPTION	BREAKER AMPS/POLES	LOAD KVA		BREAKER AMPS/POLES	DESCRIPTION	CIRCUIT NO.		
			PHASE A	PHASE B					
1	RECEPTACLE	20/1	0.18	0.18	20/1	RECEPTACLE	2		
3	RECEPTACLE	20/1			20/1	EXTERIOR SERVICE RECEPTACLE	4		
5	MINI SPLIT	20/2	1.35	0.09	20/1	LIGHTING	6		
7					20/1	RECEPTACLE	8		
TOTAL PHASE KVA PER PHASE			1.8	1.89	DEMAND KVA: 4.21				
TOTALCONNECTED KVA						DEMAND AMPS: 20			
AMPS PER PHASE			15	16					

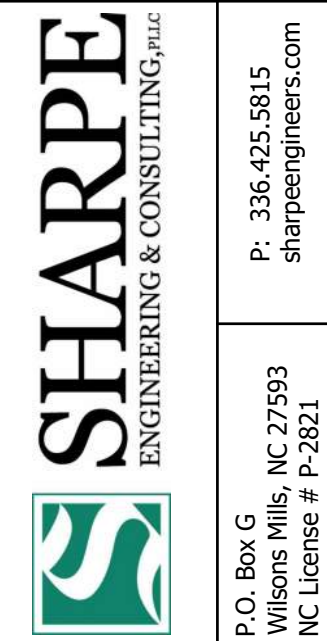
NOTES:
1 PANELBOARD 100A RATED WITH 100A RATED MAIN LUGS, PROTECTED BY 60A BREAKER IN MAIN DISTRIBUTION PANEL D
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4

100 AMP MAIN LUG ONLY		PANELBOARD D7						LOCATION: STORAGE UNIT	
100 AMP BUS RATING		8 POLES		10 KA SHORT CIRCUIT RATING		ENCLOSURE RATING: NEMA 1		MOUNTING: RECESSED	
208Y/120 VOLTS		1 PHASE 3 WIRE		60 HZ					
CIRCUIT NO.	DESCRIPTION	BREAKER AMPS/POLES	LOAD KVA		BREAKER AMPS/POLES	DESCRIPTION	CIRCUIT NO.		
			PHASE A	PHASE B					
1	RECEPTACLE	20/1	0.18	0.18	20/1	RECEPTACLE	2		
3	RECEPTACLE	20/1			20/1	EXTERIOR SERVICE RECEPTACLE	4		
5	MINI SPLIT	20/2	1.35	0.09	20/1	LIGHTING	6		
7					20/1	RECEPTACLE	8		
TOTAL PHASE KVA PER PHASE			1.8	1.89	DEMAND KVA: 4.21				
TOTALCONNECTED KVA						DEMAND AMPS: 20			
AMPS PER PHASE			15	16					

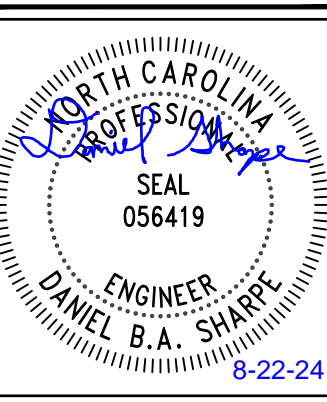
NOTES:
1 PANELBOARD 100A RATED WITH 100A RATED MAIN LUGS, PROTECTED BY 60A BREAKER IN MAIN DISTRIBUTION PANEL D
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100 AMP MAIN LUG ONLY		PANELBOARD D8						LOCATION: STORAGE UNIT	
100 AMP BUS RATING		8 POLES		10 KA SHORT CIRCUIT RATING		ENCLOSURE RATING: NEMA 1		MOUNTING: RECESSED	
208Y/120 VOLTS		1 PHASE 3 WIRE		60 HZ					
CIRCUIT NO.	DESCRIPTION	BREAKER AMPS/POLES	LOAD KVA		BREAKER AMPS/POLES	DESCRIPTION	CIRCUIT NO.		
			PHASE A	PHASE B					
1	RECEPTACLE	20/1	0.18	0.18	20/1	RECEPTACLE	2		
3	RECEPTACLE	20/1			20/1	EXTERIOR SERVICE RECEPTACLE	4		
5	MINI SPLIT	20/2	1.35	0.09	20/1	LIGHTING	6		
7					20/1	SPARE	8		
TOTAL PHASE KVA PER PHASE			1.8	1.71	DEMAND KVA: 4.03				
TOTALCONNECTED KVA						DEMAND AMPS: 19			
AMPS PER PHASE			15	14					

NOTES:
1 PANELBOARD 100A RATED WITH 100A RATED MAIN LUGS, PROTECTED BY 60A BREAKER IN MAIN DISTRIBUTION PANEL D
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DESIGN FOR:
BAUCOM BUSINESS PLAZA - S4
11132 U.S. 401 N
FLUQUAY-VARINA, NC 27526

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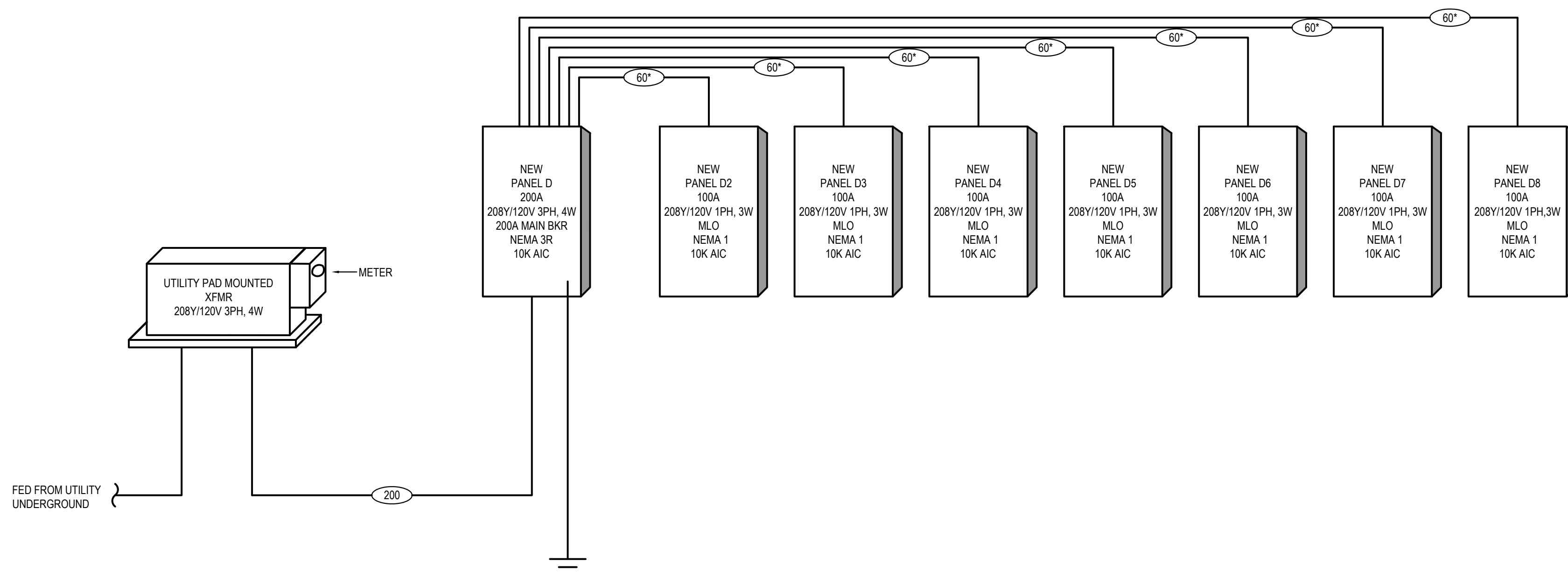
PROJECT NO.: 24-029
DRAWN BY: DBS
CHECKED BY: DBS

PANEL SCHEDULES

E2.1

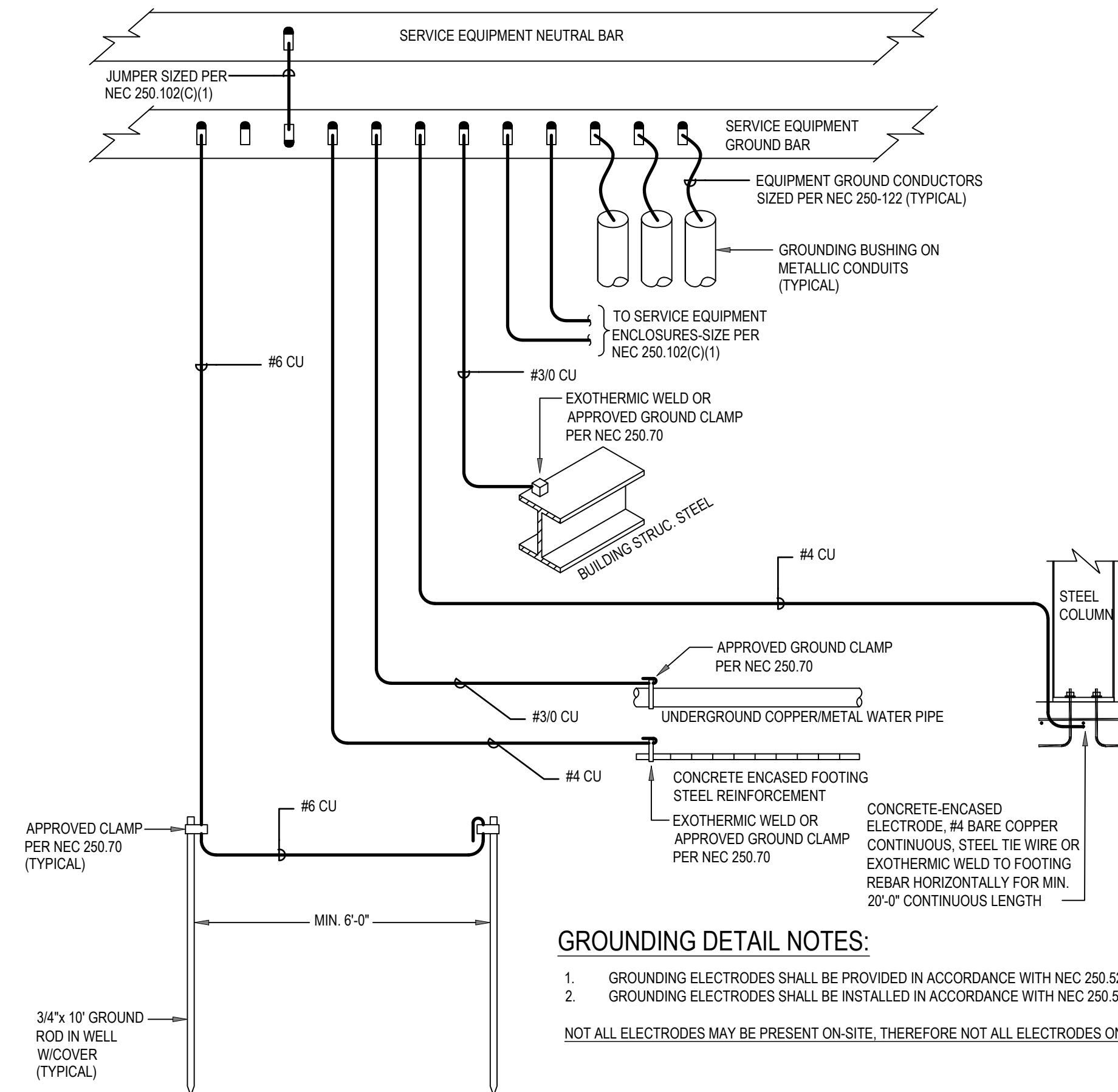
FEEDER SCHEDULE - 3 PHASE				
STANDARD OVERCURRENT PROTECTION SIZE	FEEDER WIRE - # SETS (CONDUCTOR SIZE, EQUIP. GND., CONDUIT SIZE)		CONDUCTOR TYPE: THHN - DRY, THWN - WET	
	COPPER WIRE	GEC	ALUMINUM WIRE	GEC
30	1 [4 #10, #10G, 3/4"C]		1 [4 #8, #8G, 3/4"C]	
35	1 [4 #8, #10G, 3/4"C]		1 [4 #6, #8G, 1"C]	
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:**
- 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.
 - IF CONDUIT OTHER THAN EMT IS REQUIRED, BASE BID ON NEXT TRADE SIZE ABOVE THAT INDICATED.
 - '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.



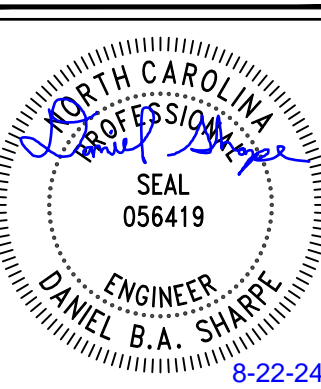
FEEDER SCHEDULE - 1 PHASE				
STANDARD OVERCURRENT PROTECTION SIZE	FEEDER WIRE - # SETS (CONDUCTOR SIZE, EQUIP. GND., CONDUIT SIZE)		CONDUCTOR TYPE: THHN - DRY, THWN - WET	
	COPPER WIRE	GEC	ALUMINUM WIRE	GEC
30"	1 [3 #10, #10G, 3/4"C]		1 [3 #8, #8G, 3/4"C]	
35"	1 [3 #8, #10G, 3/4"C]		1 [3 #6, #8G, 1"C]	
40"	1 [3 #8, #10G, 3/4"C]		1 [3 #6, #8G, 1"C]	
45"	1 [3 #6, #10G, 1"C]		1 [3 #4, #8G, 1-1/4"C]	
50"	1 [3 #6, #10G, 1"C]		1 [3 #4, #8G, 1-1/4"C]	
60"	1 [3 #4, #10G, 1-1/4"C]	#8	1 [3 #3, #8G, 1-1/4"C]	#6
70"	1 [3 #4, #8G, 1-1/4"C]	#8	1 [3 #2, #6G, 1-1/4"C]	#6
80"	1 [3 #3, #8G, 1-1/4"C]	#8	1 [3 #1, #6G, 1-1/2"C]	#6
90"	1 [3 #2, #8G, 1-1/4"C]	#8	1 [3 #1/0, #6G, 2"C]	#6
100"	1 [3 #1, #6G, 1-1/2"C]	#8	1 [3 #1/0, #6G, 2"C]	#6
110"	1 [3 #1, #6G, 1-1/2"C]	#8	1 [3 #1/0, #4G, 2"C]	#6
125"	1 [3 #1, #6G, 1-1/2"C]	#6	1 [3 #2/0, #4G, 2"C]	#4
150"	1 [3 #1/0, #6G, 2"C]	#6	1 [3 #3/0, #4G, 2"C]	#4
175"	1 [3 #2/0, #6G, 2"C]	#4	1 [3 #4/0, #4G, 2-1/2"C]	#2
200"	1 [3 #3/0, #6G, 2"C]	#4	1 [3 #250KCMIL, #4G, 2-1/2"C]	#2
225"	1 [3 #4/0, #4G, 2-1/2"C]	#2	1 [3 #300KCMIL, #2G, 3"C]	#1/0
250"	1 [3 #250KCMIL, #4G, 2-1/2"C]	#2	1 [3 #350KCMIL, #2G, 3"C]	#1/0
300"	1 [3 #300KCMIL, #4G, 3"C]	#2	1 [3 #500KCMIL, #2G, 3"C]	#1/0
350"	2 [3 #2/0, #3G, 2"C]	#2	2 [3 #4/0, #1G, 2-1/2"C]	#1/0
400"	2 [3 #3/0, #3G, 2"C]	#2	2 [3 #250KCMIL, #1G, 2-1/2"C]	#1/0
450"	2 [3 #4/0, #2G, 2-1/2"C]	#1/0	2 [3 #300KCMIL, #1/0G, 3"C]	#3/0
500"	2 [3 #250KCMIL, #2G, 2-1/2"C]	#1/0	2 [3 #350KCMIL, #1/0G, 3"C]	#3/0
600"	2 [3 #350KCMIL, #1G, 3"C]	#2/0	2 [3 #500KCMIL, #2/0G, 3"C]	#4/0
700"	2 [3 #500KCMIL, #1/0G, 3"C]	#2/0	3 [3 #350KCMIL, #3/0G, 3"C]	#4/0
800"	3 [3 #300KCMIL, #1/0G, 3"C]	#3/0	3 [3 #400KCMIL, #3/0G, 3"C]	#4/0
1000"	3 [3 #400KCMIL, #2/0G, 3"C]	#3/0	4 [3 #350KCMIL, #4/0G, 3"C]	#4/0

- FEEDER SCHEDULE NOTES:**
- 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.
 - IF CONDUIT OTHER THAN EMT IS REQUIRED, BASE BID ON NEXT TRADE SIZE ABOVE THAT INDICATED.
 - '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.



- GROUNDING DETAIL NOTES:**
- GROUNDING ELECTRODES SHALL BE PROVIDED IN ACCORDANCE WITH NEC 250.52(A).
 - 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.

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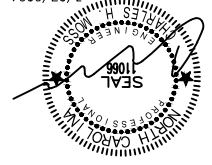


DESIGN FOR:
BAUCOM BUSINESS PLAZA - S4
11132 U.S. 401 N
FUQUAY-VARINA, NC 27526

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



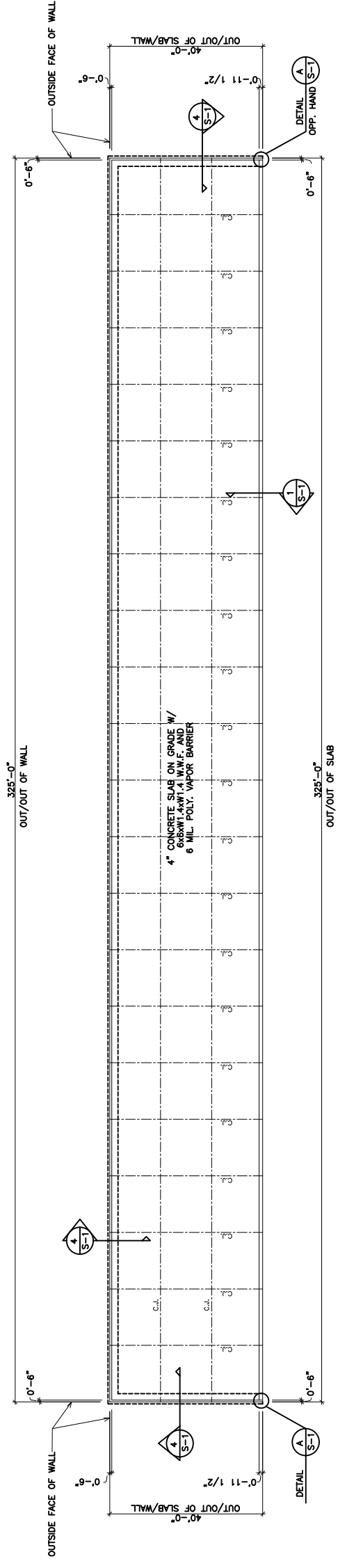
C.H. MOSS, P.E.
 SOLE PROPRIETOR
 P.O. BOX 28
 COVINGTON, GA 30015
 (770)-786-3163

NO	DATE	REVISION	BY

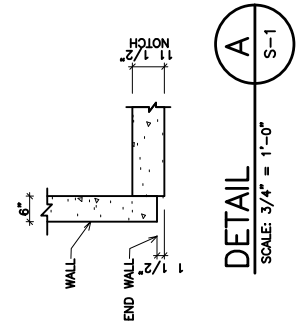
JOB NO. 12226-33770-BR1
 COMPUTED BY:
 DRAWN BY:
 CHECKED BY:
 DATE: MARCH 07, 2024
 SCALE: 1/16" = 1'-0"

FOUNDATION PLAN FOR:
BAUCOM BUSINESS PLAZA
 FUQUAY VARINA, NC

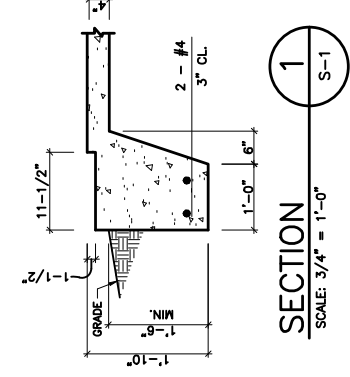
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S-1 4



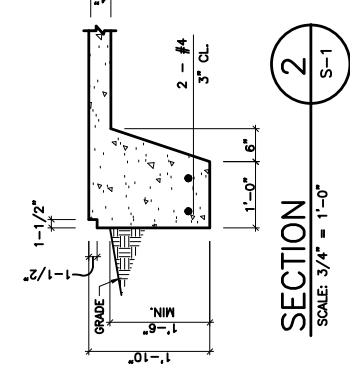
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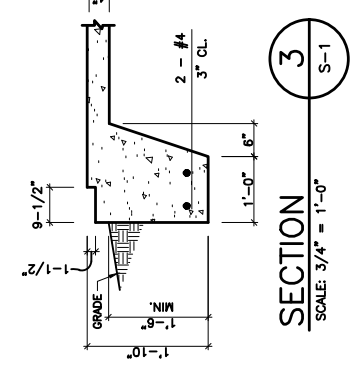
DETAIL A
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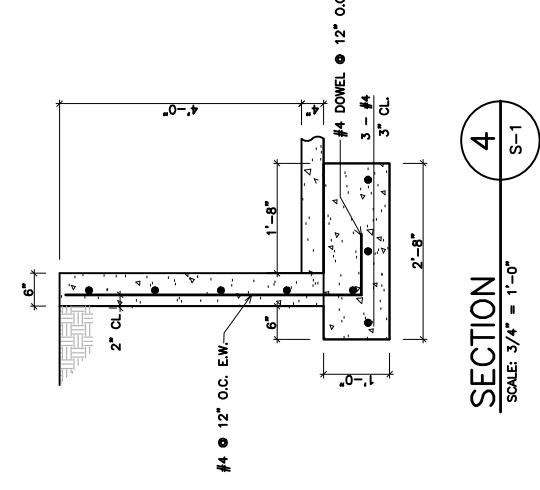
SECTION 1
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SECTION 2
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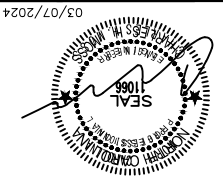
SECTION 3
 SCALE: 3/4" = 1'-0"



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

GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING ALL WORK DURING CONSTRUCTION.
- FOOTINGS ARE DESIGNED FOR AN ALLOWABLE BEARING CAPACITY OF 2000 P.S.F.
- CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 P.S.I. AND SHALL BE CONFORMING TO ACI 318 AND ACI 303 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-195 #4 - 29
 - MINIMUM LAP: #4 - 29
 - MINIMUM COVER: #4 - 29
 - U.N.C.
- C.J.L. ON PLANS INDICATE CONTROL JOINT 1/8" x 1" DEEP SAWN WITHIN 24 HOURS AFTER PLACING CONCRETE. METAL JOINT MATERIAL MAY BE USED.
- FOUNDATION BASED ON REACTIONS FURNISHED BY PEAK STEEL BUILDINGS, JOB NO. 12226-33770-BR1 DATED 02/16/2024.



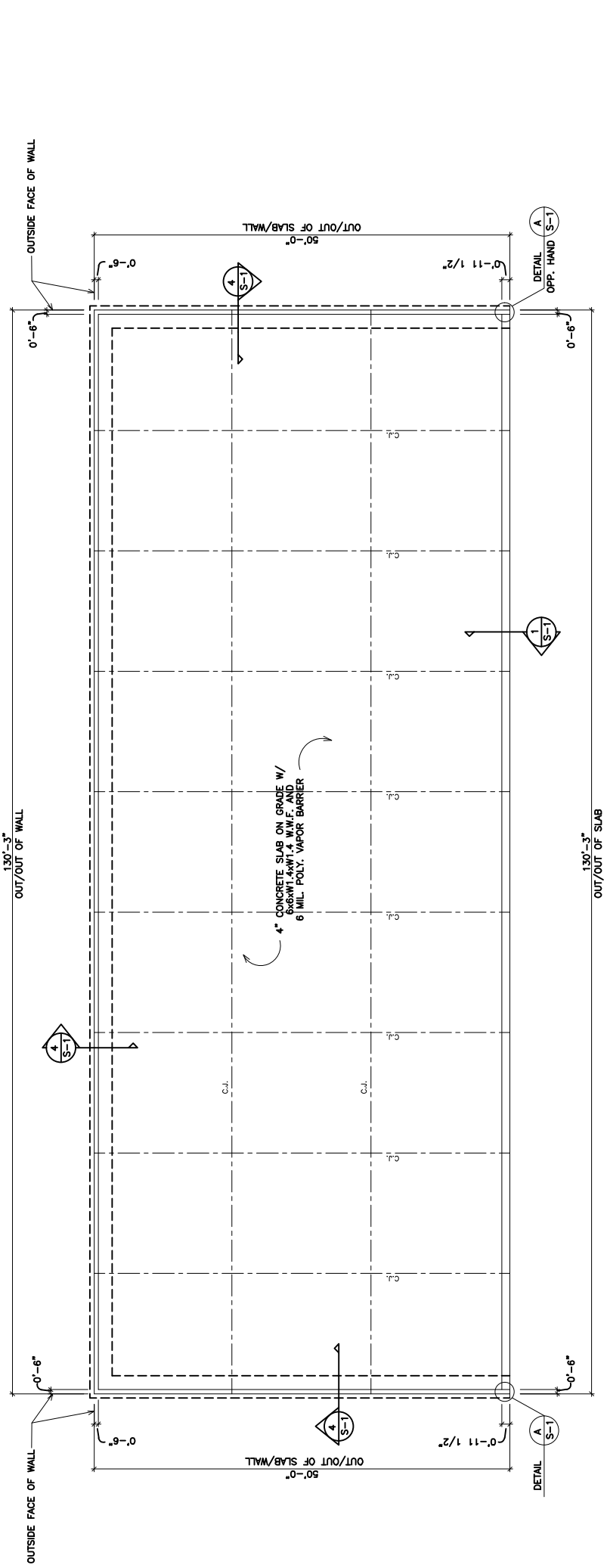
C.H. MOSS, P.E.
 SOLE PROPRIETOR
 P.O. BOX 28
 COVINGTON, GA 30015
 PH: (770) 786-3163

NO	DATE	REVISION	BY

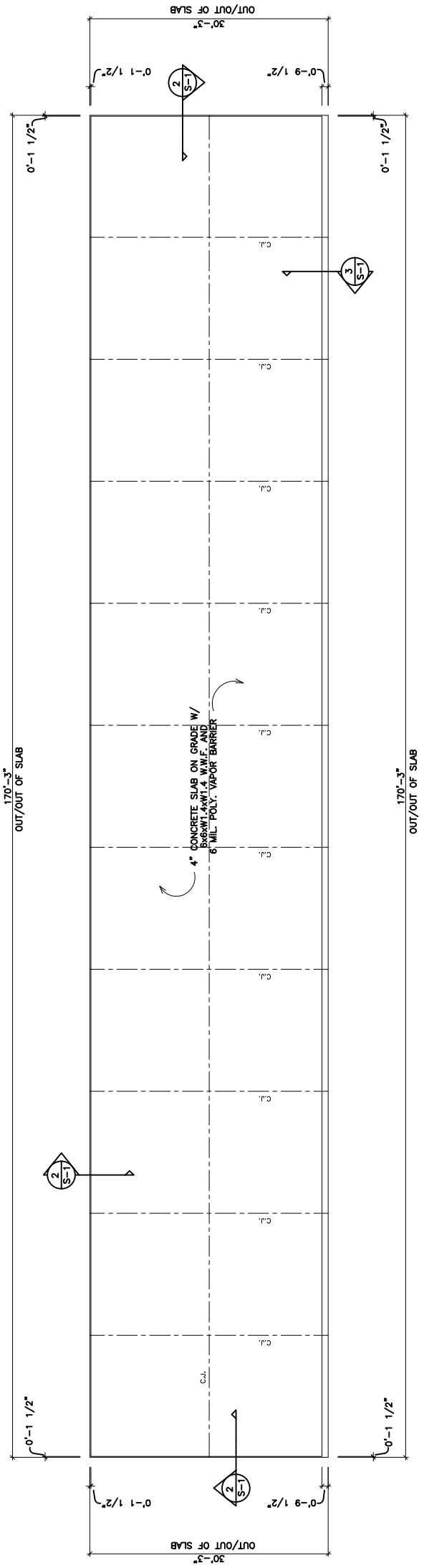
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COMPUTED BY: ML
DRAWN BY: HM
CHECKED BY: HM
DATE: MARCH 07, 2024
SCALE: 1/8" = 1'-0"

FOUNDATION PLAN FOR:
BAUCOM BUSINESS PLAZA
 FUQUAY VARINA, NC

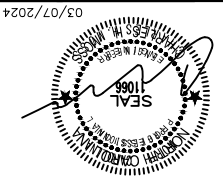
DRAWING NUMBER
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 SHEET OF:
S-2 4



FOUNDATION PLAN - BLDG BR3
 SCALE: 1/8" = 1'-0"



FOUNDATION PLAN - BLDG S3
 SCALE: 1/8" = 1'-0"



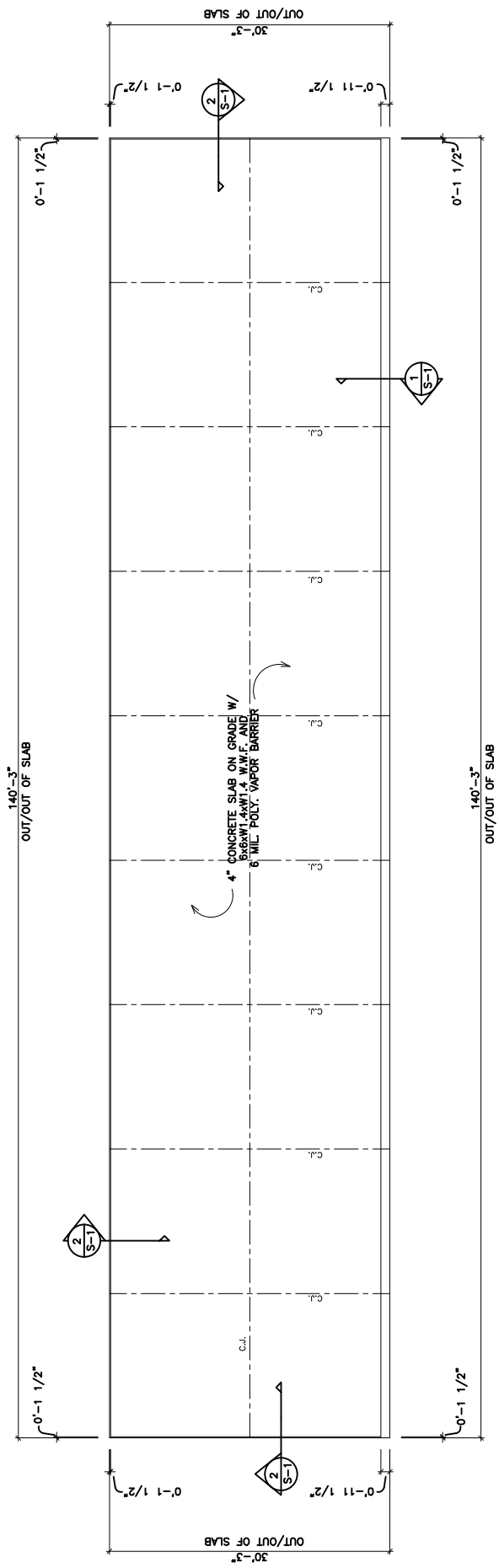
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NO	DATE	REVISION	BY

JOB NO. 12226-39770-BRI	COMPUTED BY:	ML
	DRAWN BY:	HM
	CHECKED BY:	HM
	DATE:	MARCH 07, 2024
	SCALE:	1/8" = 1'-0"

FOUNDATION PLAN FOR:
BAUCOM BUSINESS PLAZA
 FUQUAY VARINA, NC

DRAWING NUMBER
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 SHEET OF:
S-3 4



FOUNDATION PLAN - BLDG S4
 SCALE: 1/8" = 1'-0"

