

CAROLINA FOREST HIGH HVAC RENEWAL HORRY COUNTY SCHOOLS MYRTLE BEACH, SOUTH CAROLINA



SITE PLAN
N.T.S.

SHEET LIST

- CS1.0 COVER SHEET
- CS1.1 MECHANICAL FLOOR PLANS
- MECHANICAL PLANS
- M1.0 MECHANICAL FLOOR PLAN - AREA A
- M1.1 MECHANICAL FLOOR PLAN - AREA B
- M1.2 MECHANICAL FLOOR PLAN - AREA C
- M1.3 MECHANICAL FLOOR PLAN - AREA D & E
- M1.4 MECHANICAL FLOOR PLAN - AREA F & G
- M1.5 MECHANICAL FLOOR PLAN - AREA H
- M2.0 MECHANICAL DETAILS AND SCHEDULES
- M2.1 MECHANICAL SCHEDULES
- ELECTRICAL PLANS
- E1.0 ELECTRICAL FLOOR PLAN - AREA A
- E1.1 ELECTRICAL FLOOR PLAN - AREA B
- E1.2 ELECTRICAL FLOOR PLAN - AREA C
- E1.3 ELECTRICAL FLOOR PLAN - AREA D & E
- E2.0 ELECTRICAL DETAILS AND SCHEDULES
- E2.1 ELECTRICAL SCHEDULES



VICINITY MAP
N.T.S.

Reviewed For Code Compliance

These set of Construction Documents and/or Specifications have been reviewed for Code Compliance. Any changes or alterations to these documents shall be approved by the Building Official (BO) of South Carolina. The BO's review is limited to the minimum requirements of the International Building Code (IBC) and the International Mechanical Code (IMC) for the current, jurisdiction or other representative. From the BO's review, the architect or other representative shall be responsible for ensuring that the design complies with the applicable codes and standards in effect at the time of the Building Permit issuance. This plan review does not prevent the effect from requiring corrections during construction to meet code requirements.

Sealed Plans and Specifications are required to be on file for inspection.

ONE Year Business: RCI of SC Inc. From: 01/01/2022

Professional Seal: RCI of SC Inc. License No: 13008

Professional Seal: RCI of SC Inc. License No: 13008



McKNIGHT • SMITH
WARD • GRIFFIN
ENGINEERS, INCORPORATED
4223 South Boulevard
Charlotte, NC 28209
704/527-2112 21-158



JOB NUMBER	DS-158	REVISION DATES	REVISION DESCRIPTION
CS1.0	LMS		
CHECKED BY	JCC		
DATE	07/25/2023		

JOB TITLE
**CAROLINA FOREST HIGH
700 GARDNER LACY RD.
MYRTLE BEACH, SC, 29579
HVAC RENEWAL**

SHEET TITLE
COVER SHEET

DATE
CS1.0



McKNIGHT • SMITH
WARD • GRIFFIN
ENGINEERS, INCORPORATED
4225 South Boulevard
Charlotte, NC 28209
704/527-2112



NO.	REVISION DATE	REVISION DESCRIPTION
1	07/22/2022	ISSUED FOR PERMIT

CAROLINA FOREST HIGH
700 GARDNER LACY RD.
MYRTLE BEACH, SC, 29579
HVAC RENEWAL

FORM F-3

CS2.0
1.0

McKNIGHT SMITH ENGINEERS, INCORPORATED
1400 SOUTH BROADWAY, CHARLOTTE, NC 28202

Form F-1 - Building Code Analysis

PROJECT: CAROLINA FOREST HIGH
OWNER: HENRY COUNTY SCHOOLS

PROJECT DESCRIPTION: *Renewal of HVAC system and related equipment at Carolina Forest High School.*

DATE: 07/22/2022

DESIGN DEVELOPMENT: **Design Development**

SCHEMATIC DEVELOPMENT: **Schematic Development**

PERMIT APPLICATION: **Permit Application**

CONSTRUCTION: **Construction**

REVISIONS:

REVISION NO.	DATE	DESCRIPTION
1	07/22/2022	ISSUED FOR PERMIT

McKNIGHT SMITH ENGINEERS, INCORPORATED
1400 SOUTH BROADWAY, CHARLOTTE, NC 28202

Form F-1 - Building Code Analysis

EXISTING BUILDING CODE INFORMATION (PERMANENT)

Code	Area 1	Area 2	Area 3	Area 4	Area 5
International Building Code (IBC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Residential Code (IRC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Energy Conservation Code (IECC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Mechanical Code (IMC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Fire Code (IFC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Plumbing Code (IPC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Electrical Code (IEC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Fire and Building Code (IFBC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Fire and Building Code (IFBC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015

McKNIGHT SMITH ENGINEERS, INCORPORATED
1400 SOUTH BROADWAY, CHARLOTTE, NC 28202

Form F-1 - Building Code Analysis

EXISTING BUILDING CODE INFORMATION (PERMANENT)

Code	Area 1	Area 2	Area 3	Area 4	Area 5
International Building Code (IBC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Residential Code (IRC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Energy Conservation Code (IECC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Mechanical Code (IMC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Fire Code (IFC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Plumbing Code (IPC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Electrical Code (IEC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Fire and Building Code (IFBC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Fire and Building Code (IFBC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015

McKNIGHT SMITH ENGINEERS, INCORPORATED
1400 SOUTH BROADWAY, CHARLOTTE, NC 28202

Form F-1 - Building Code Analysis

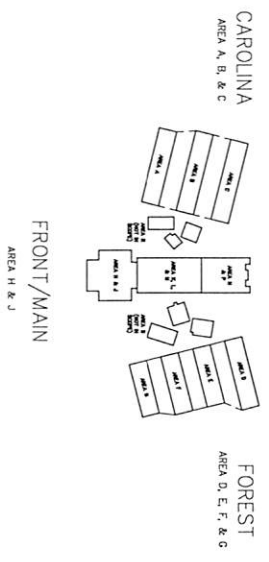
EXISTING BUILDING CODE INFORMATION (PERMANENT)

Code	Area 1	Area 2	Area 3	Area 4	Area 5
International Building Code (IBC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Residential Code (IRC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Energy Conservation Code (IECC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Mechanical Code (IMC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Fire Code (IFC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Plumbing Code (IPC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Electrical Code (IEC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Fire and Building Code (IFBC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015
International Fire and Building Code (IFBC)	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015	<input type="checkbox"/> 2015

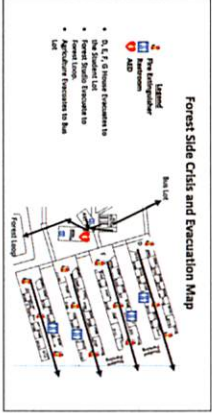
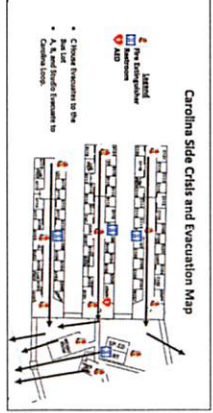
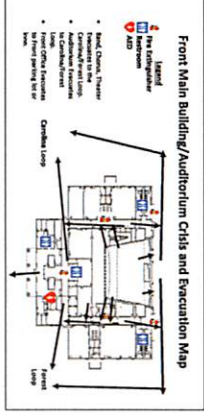
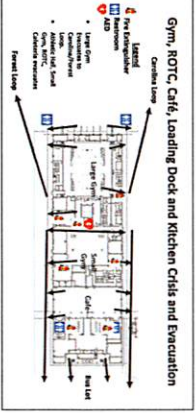
McKNIGHT SMITH ENGINEERS, INCORPORATED
1400 SOUTH BROADWAY, CHARLOTTE, NC 28202
704/527-2112
www.mksmith.com



GYM/ROTC/CAFE



NOTE: LIFE SAFETY PLANS PROVIDED BY CAROLINA FOREST HIGH SCHOOL ADMINISTRATION.



<p>1 Legend</p> <ul style="list-style-type: none"> Fire Alarm Fire Extinguisher Fire Exit Fire Exit Sign Fire Exit Door Fire Exit Window Fire Exit Staircase Fire Exit Ramp Fire Exit Elevator Fire Exit Lift Fire Exit Staircase Fire Exit Ramp Fire Exit Elevator Fire Exit Lift 	<p>2 Notes</p> <p>These plans were prepared in accordance with the requirements of the International Fire Code, 2015 Edition, and the International Building Code, 2012 Edition, as adopted by the State of South Carolina. The plans were prepared based on the information provided by the client and the architect. The plans were prepared based on the information provided by the client and the architect. The plans were prepared based on the information provided by the client and the architect.</p>	<p>3 Notes</p> <p>These plans were prepared in accordance with the requirements of the International Fire Code, 2015 Edition, and the International Building Code, 2012 Edition, as adopted by the State of South Carolina. The plans were prepared based on the information provided by the client and the architect. The plans were prepared based on the information provided by the client and the architect. The plans were prepared based on the information provided by the client and the architect.</p>	<p>4 Notes</p> <p>These plans were prepared in accordance with the requirements of the International Fire Code, 2015 Edition, and the International Building Code, 2012 Edition, as adopted by the State of South Carolina. The plans were prepared based on the information provided by the client and the architect. The plans were prepared based on the information provided by the client and the architect. The plans were prepared based on the information provided by the client and the architect.</p>
--	--	--	--

Reviewed For Code Compliance

These set of Construction Documents and/or Specifications have been reviewed for Code Compliance. Any changes or alterations to these documents shall be approved by the Building Official (Director of Schools) prior to construction. This review for code compliance does not relieve the design professional (P/E) of their responsibility for their design. The design professional is responsible to comply with all applicable Codes, Laws, Rules and Ordinances. This plan review does not prevent the owner from requiring corrections during construction to meet code requirements.

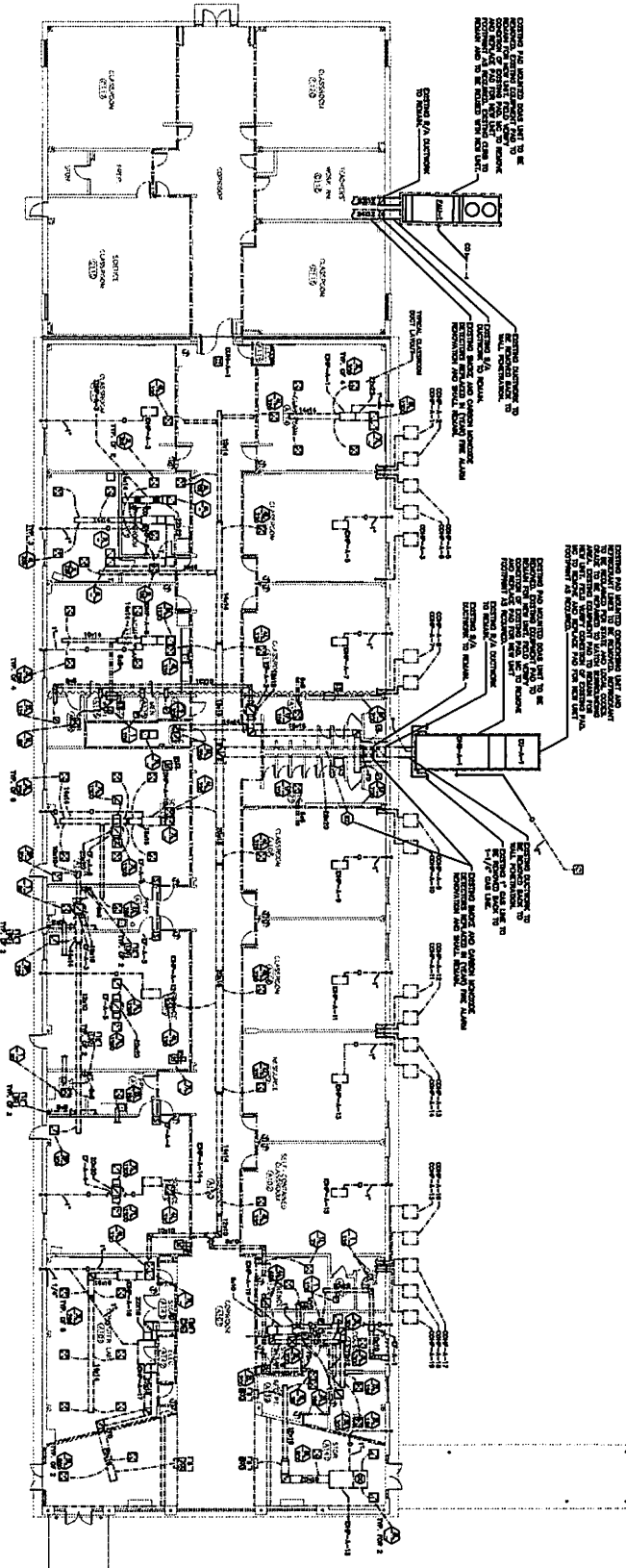
Stamped Plans and Specifications are required to be on file for inspection.

RCI of SC Inc. Date: 07/22/2022

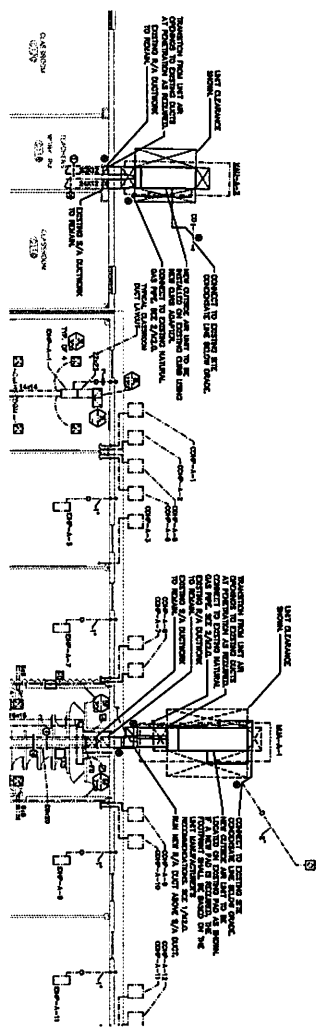
Henry County Schools

JOB NUMBER	DATE	REVISION DESCRIPTION
15-006		
DRAWN BY	LMS	
CHECKED BY	JAC	
DATE	07/22/2022	





1 HVAC PLAN - DEMOLITION - AREA A
SCALE 3/8" = 1'-0"



2 HVAC PLAN - NEW WORK - AREA A
SCALE 3/8" = 1'-0"

RENOVATION LEGEND

---	NEW EQUIPMENT
---	EXISTING RELOCATED
---	EXISTING REINSTATE
---	CONNECT TO EXISTING

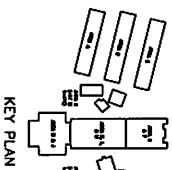
DEMOLITION LEGEND

---	EXISTING TO REMAIN IN USE OR BE ABANDONED
---	EXISTING TO BE REMOVED
---	NEW TO BE DEMOLISHED
---	NEW TO BE DEMOLISHED
---	NEW TO BE DEMOLISHED

FIRE RATED WALLS

---	1 HOUR WALL
---	2 HOUR WALL
---	3 HOUR WALL
---	4 HOUR WALL
---	5 HOUR WALL

ALL EXISTING CONDUITS TO REMAIN UNLESS OTHERWISE NOTED. ALL NEW CONDUITS TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) REQUIREMENTS.



**McKNIGHT · SMITH
WARD · GRIFFIN**
ENGINEERS, INCORPORATED
4223 South Boulevard
Charlotte, NC 28209
704/527-2112

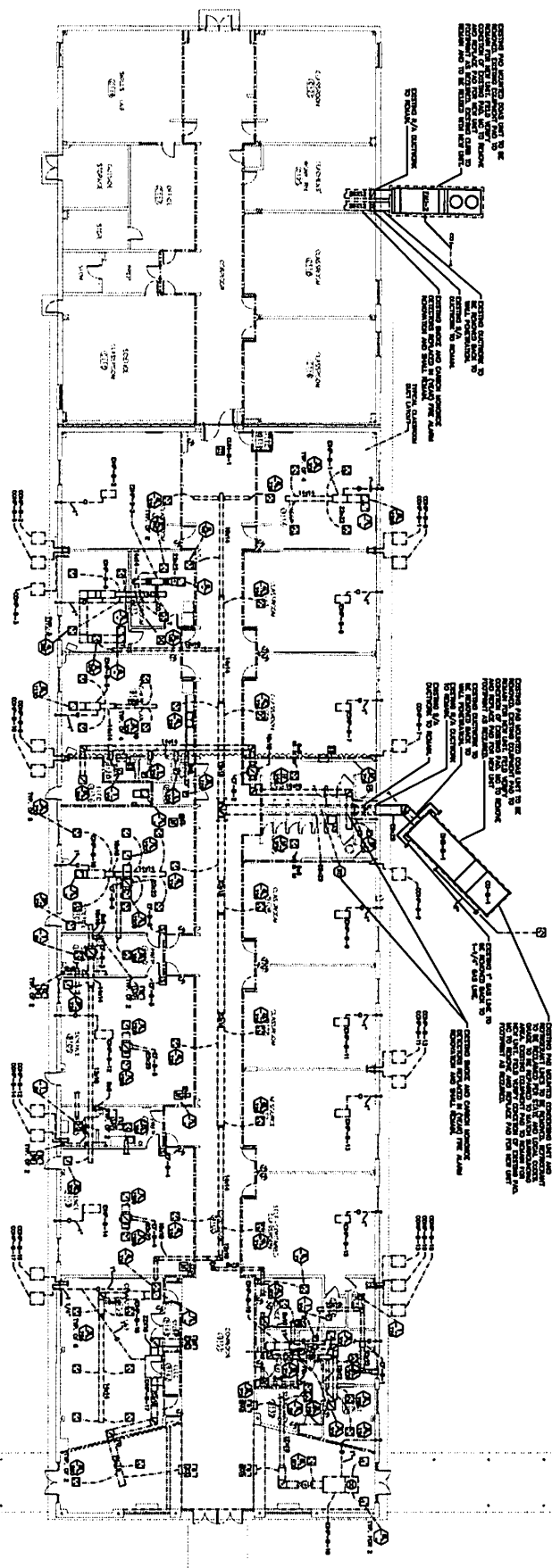


JOB NUMBER	SI-158	REVISION DATES	REVISION DESCRIPTION
DRAWN BY	LSB		
CHECKED BY	JGD		
DATE	07/22/2022		

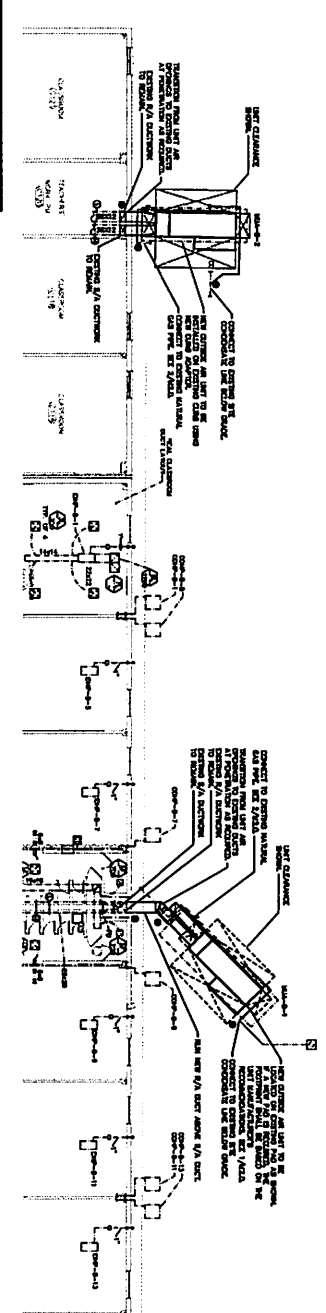
**CAROLINA FOREST HIGH
700 GARDNER LACY RD.
MYRTLE BEACH, SC, 29579
HVAC RENEWAL**

**MECHANICAL FLOOR PLAN
AREA A**

M1.0



1 HVAC PLAN - DEMOLITION - AREA B
SCALE 1/8" = 1'-0"



2 HVAC PLAN - NEW WORK - AREA B
SCALE 1/8" = 1'-0"

RENOVATION LEGEND

---	NEW EQUIPMENT
---	EXISTING RELOCATED
---	EXISTING RECONSTRUCTIVE
---	CONNECT TO EXISTING

DEMOLITION LEGEND

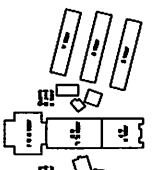
---	EXISTING TO REMAIN IN USE OR BE ABANDONED
---	EXISTING TO BE DEMOLISHED
---	EXISTING TO BE RELOCATED
---	NEW DUCT

NOTES:
1. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-01.
2. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-02.
3. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-03.
4. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-04.
5. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-05.
6. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-06.
7. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-07.
8. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-08.
9. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-09.
10. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-10.

FIRE RATED WALLS

---	1 HOUR WALL
---	2 HOUR WALL
---	3 HOUR WALL
---	4 HOUR WALL
---	5 HOUR WALL

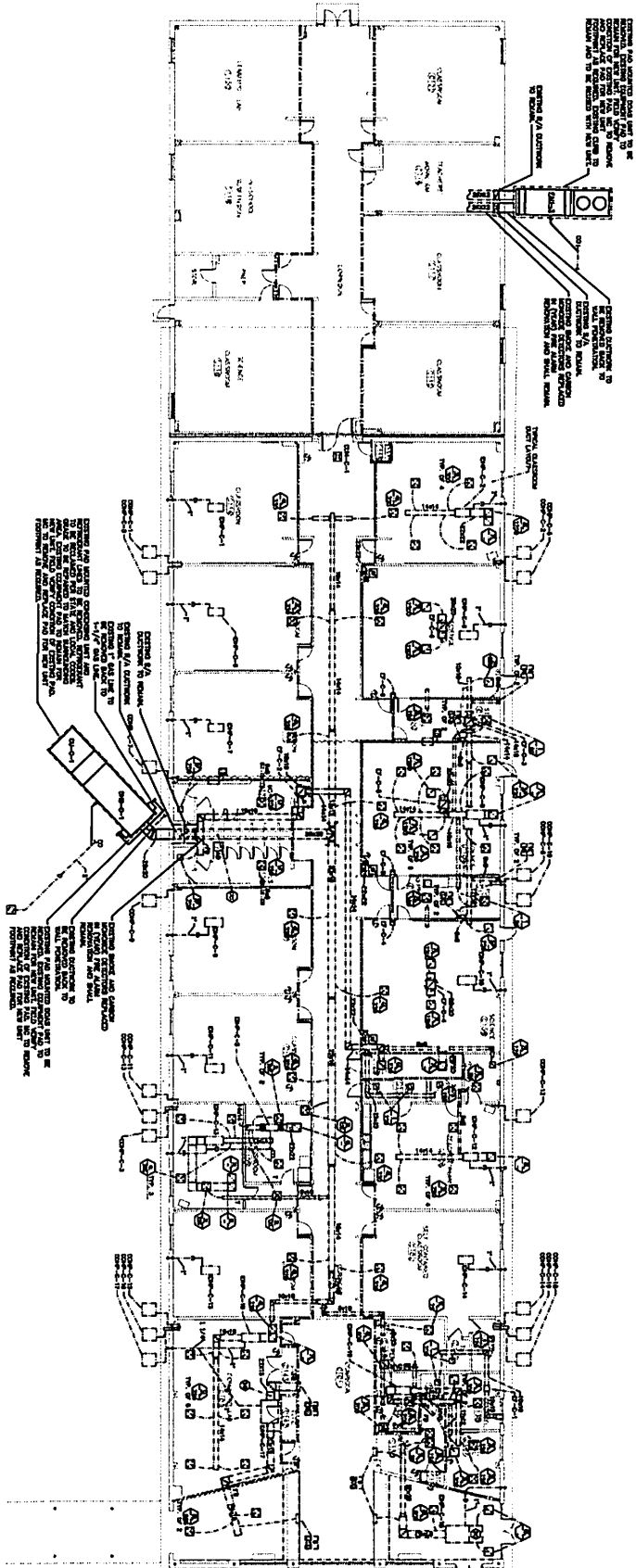
NOTES:
1. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-01.
2. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-02.
3. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-03.
4. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-04.
5. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-05.
6. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-06.
7. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-07.
8. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-08.
9. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-09.
10. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF MYRTLE BEACH, SOUTH CAROLINA, ORDINANCE 10-10-10.



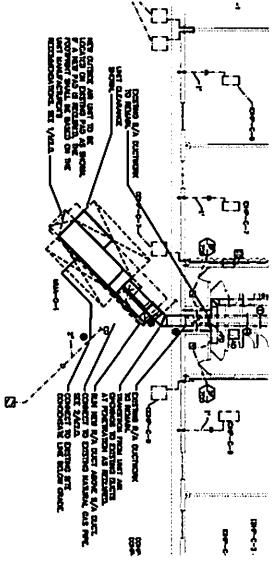
**McKNIGHT • SMITH
WARD • GRIFFIN**
ENGINEERS, INCORPORATED
4223 South Boulevard
Charlotte, NC 28209
704/327-2112



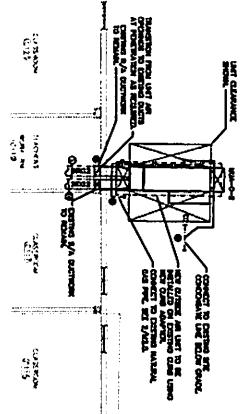
DATE	01/22/2022
DESIGNED BY	WJG
CHECKED BY	WJG
DATE	01/22/2022
PROJECT NO.	2021-001
PROJECT NAME	MECHANICAL FLOOR PLAN AREA B
CLIENT	CAROLINA FOREST HIGH
ADDRESS	700 GARDNER LACY RD. MYRTLE BEACH, SC, 29579
PROJECT DESCRIPTION	HVAC RENEWAL



1 HVAC PLAN - DEMOLITION - AREA C
SCALE 3/8" = 1'-0"



2 HVAC PLAN - NEW WORK - AREA C
SCALE 3/8" = 1'-0"



3 HVAC PLAN - NEW WORK - AREA C
SCALE 3/8" = 1'-0"

RENOVATION LEGEND

---	NEW EQUIPMENT
---	EXISTING
---	EXISTING RELOCATED
---	EXISTING INTERSTITIAL
---	CONNECT TO EXISTING

RENOVATION LEGEND

---	NEW EQUIPMENT
---	EXISTING
---	EXISTING RELOCATED
---	EXISTING INTERSTITIAL
---	CONNECT TO EXISTING

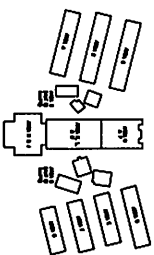
DEMOLITION LEGEND

---	EXISTING TO REMAIN IN USE OR BE ABANDONED
---	EXISTING TO BE DEMOLISHED
---	EXISTING TO BE RELOCATED
---	NEW
---	NEW
---	NEW

NOT TO SCALE
ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE
ALL WORK IS TO BE ACCORDING TO THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL AND ELECTRICAL CODE (IMC) AND THE NATIONAL ELECTRICAL CODE (NEC)
ALL WORK IS TO BE ACCORDING TO THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL AND ELECTRICAL CODE (IMC) AND THE NATIONAL ELECTRICAL CODE (NEC)

FIRE RATED WALLS

---	1 HOUR
---	2 HOUR
---	3 HOUR
---	4 HOUR
---	5 HOUR



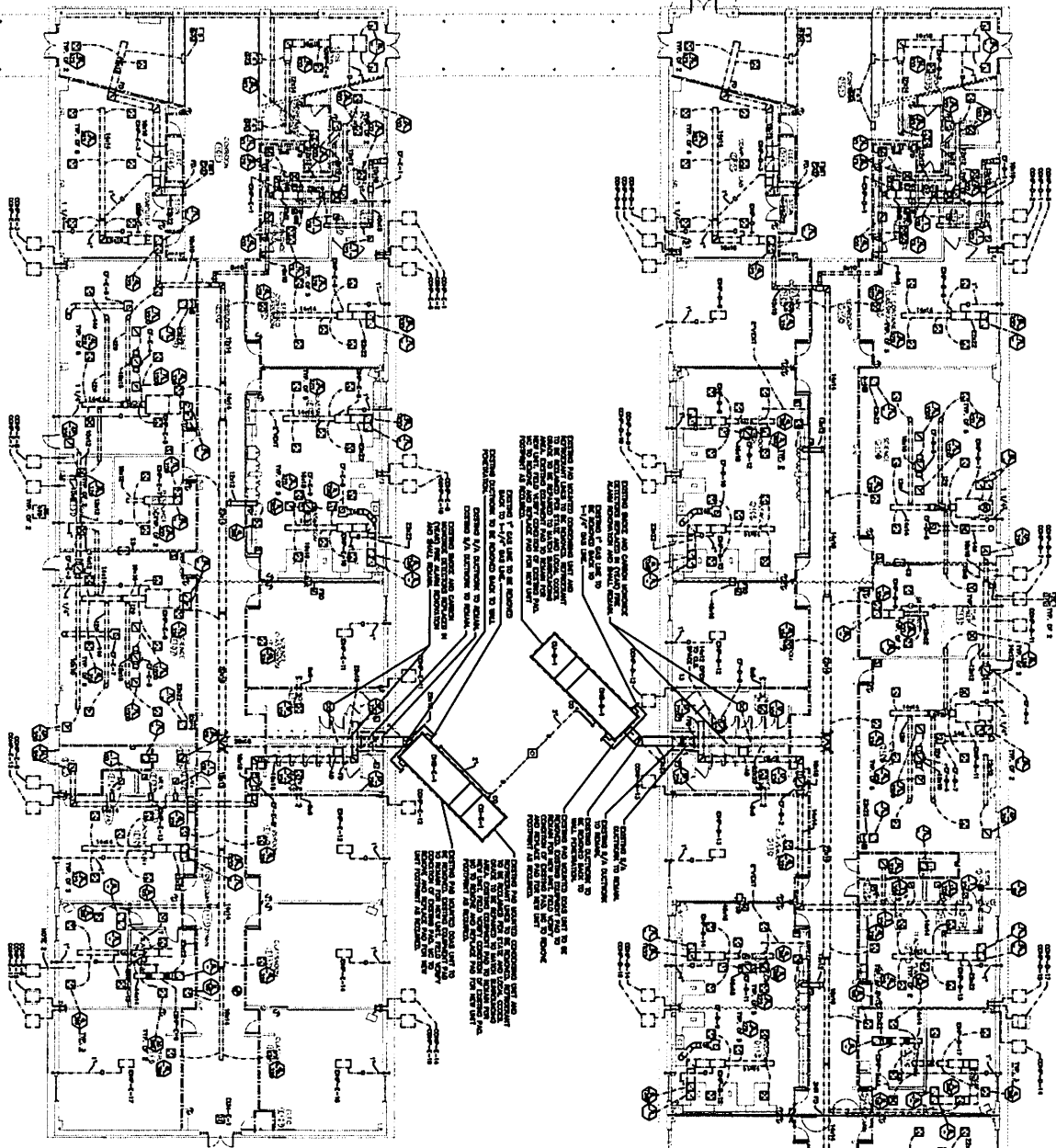
**McKNIGHT · SMITH
WARD · GRIFFIN**
ENGINEERS, INCORPORATED
4223 South Boulevard
Charlotte, NC 28209
704/527-2112

JOB NUMBER	DATE	REVISION	BY	REVISION DESCRIPTION

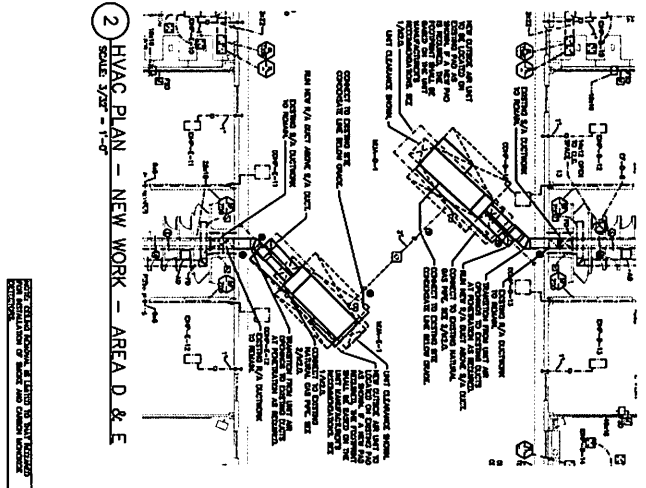
**CAROLINA FOREST HIGH
700 GARDNER LACY RD.
MYRTLE BEACH, SC, 29579
HVAC RENEWAL**

**MECHANICAL FLOOR PLAN
AREA C**

M1.2



1 HVAC PLAN - DEMOLITION - AREA D & E
SCALE 3/8" = 1'-0"



2 HVAC PLAN - NEW WORK - AREA D & E
SCALE 3/8" = 1'-0"

NOTES:

1. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF CHARLOTTE DEMOLITION ORDINANCE.
2. ALL NEW WORK SHALL BE IN ACCORDANCE WITH THE CITY OF CHARLOTTE MECHANICAL CODE.
3. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF PERMITTING AND INSPECTION.
4. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF PUBLIC WORKS.
5. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF UTILITIES.
6. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF TRANSPORTATION.
7. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF ENVIRONMENTAL AND NATURE RESOURCES.
8. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT.
9. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF ECONOMIC DEVELOPMENT.
10. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF CULTURAL AFFAIRS.
11. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF SOCIAL SERVICES.
12. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF HEALTH AND HUMAN SERVICES.
13. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF LABOR AND TRAINING.
14. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF RECREATION AND PLEASURE.
15. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF TOURISM AND CONVENTION SERVICES.
16. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF INFORMATION TECHNOLOGY.
17. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF LEGAL AFFAIRS.
18. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF POLICE AND FIRE.
19. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF PUBLIC SAFETY.
20. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF CHARLOTTE DEPARTMENT OF PUBLIC WORKS.

DEMOLITION LEGEND

- EXISTING TO REMAIN IN PLACE
- - - - EXISTING TO BE DEMOLISHED
- EXISTING TO BE RELOCATED
- NEW DUCT

FIRE RATED WALLS

1.5" MIN. THICK	1.5" MIN. THICK
2.0" MIN. THICK	2.0" MIN. THICK
2.5" MIN. THICK	2.5" MIN. THICK
3.0" MIN. THICK	3.0" MIN. THICK
3.5" MIN. THICK	3.5" MIN. THICK
4.0" MIN. THICK	4.0" MIN. THICK
4.5" MIN. THICK	4.5" MIN. THICK
5.0" MIN. THICK	5.0" MIN. THICK
5.5" MIN. THICK	5.5" MIN. THICK
6.0" MIN. THICK	6.0" MIN. THICK
6.5" MIN. THICK	6.5" MIN. THICK
7.0" MIN. THICK	7.0" MIN. THICK
7.5" MIN. THICK	7.5" MIN. THICK
8.0" MIN. THICK	8.0" MIN. THICK
8.5" MIN. THICK	8.5" MIN. THICK
9.0" MIN. THICK	9.0" MIN. THICK
9.5" MIN. THICK	9.5" MIN. THICK
10.0" MIN. THICK	10.0" MIN. THICK

KEY PLAN

M1.3

MECHANICAL FLOOR PLAN
AREA D & E

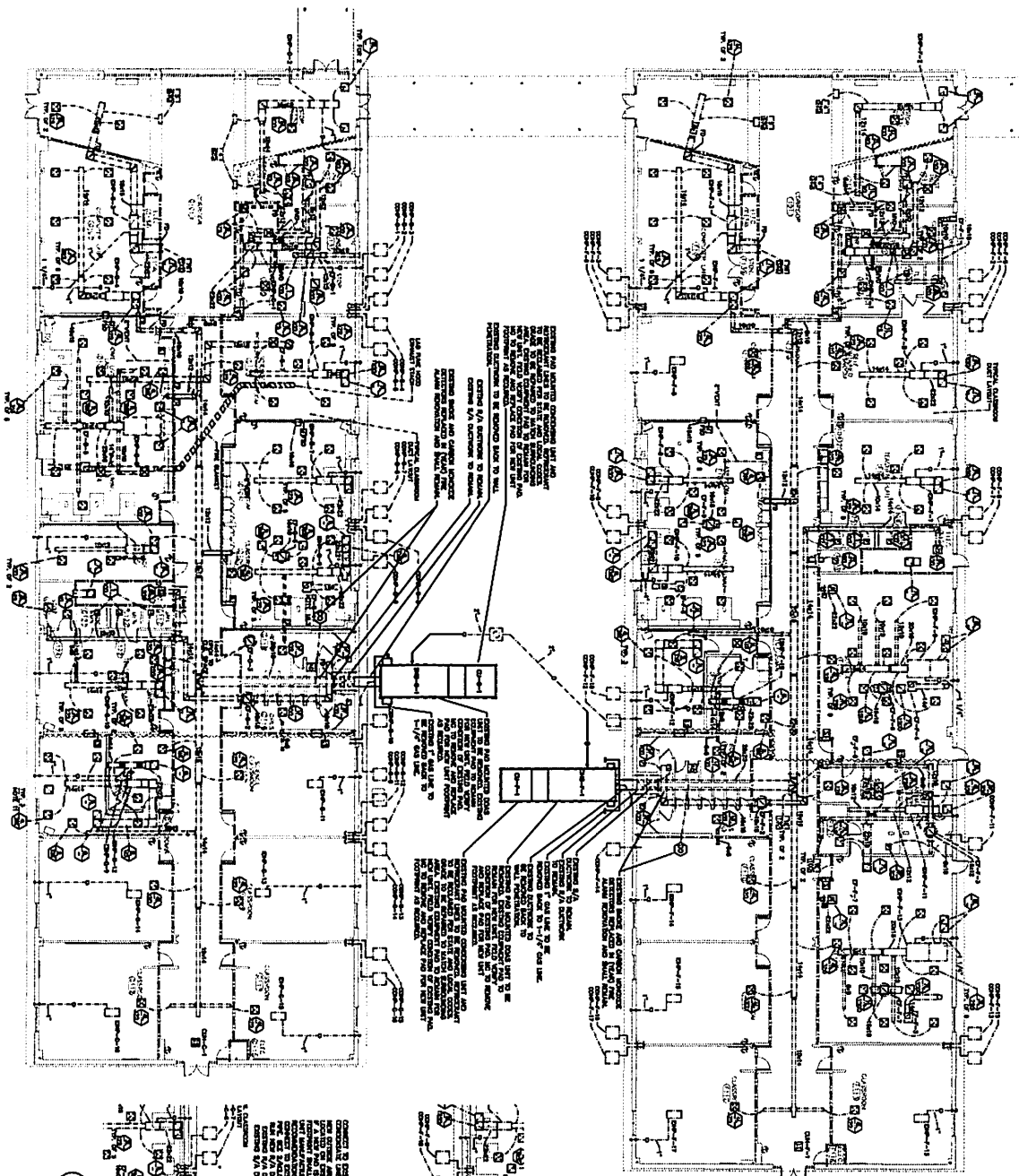
CAROLINA FOREST HIGH
700 GARDNER LACY RD.
MYRTLE BEACH, SC, 29579
HVAC RENEWAL

DATE	BY	REVISION	DESCRIPTION
07/22/2022	WJ	1	ISSUED FOR PERMIT



McKNIGHT · SMITH
WARD · GRIFFIN
ENGINEERS, INCORPORATED
4223 South Boulevard
Charlotte, NC 28209
704/327-2112

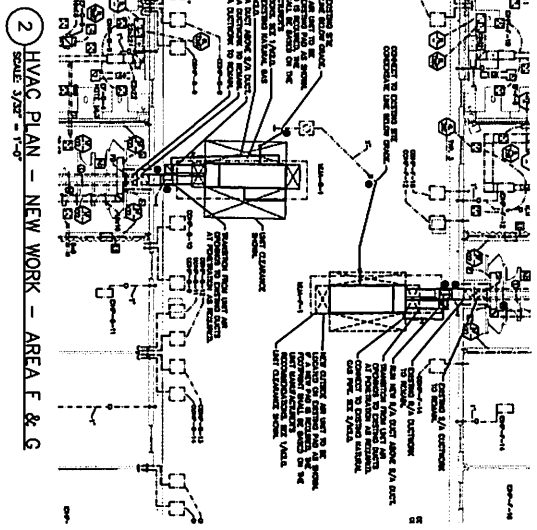




1 HVAC PLAN - DEMOLITION - AREA F & G
SCALE 3/8" = 1'-0"

DEMOLITION LEGEND

---	EXISTING TO REMAIN IN PLACE OR REWORKED
---	EXISTING TO BE DEMOLISHED
---	EXISTING TO BE RELOCATED
---	CAP IN PLACE



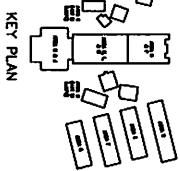
2 HVAC PLAN - NEW WORK - AREA F & G
SCALE 3/8" = 1'-0"

RENOVATION LEGEND

---	NEW EQUIPMENT
---	EXISTING
---	EXISTING RELOCATED
---	EXISTING REDEMANT
---	CONNECT TO EXISTING

FIRE RATED WALLS

---	1 HOUR WALL
---	2 HOUR WALL
---	3 HOUR WALL
---	4 HOUR WALL
---	5 HOUR WALL



ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL AND ELECTRICAL CODE (IMC) AND THE NATIONAL ELECTRICAL CODE (NEC).
ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL AND ELECTRICAL CODE (IMC) AND THE NATIONAL ELECTRICAL CODE (NEC).

DATE	BY	REVISION	DATE
07/22/2022

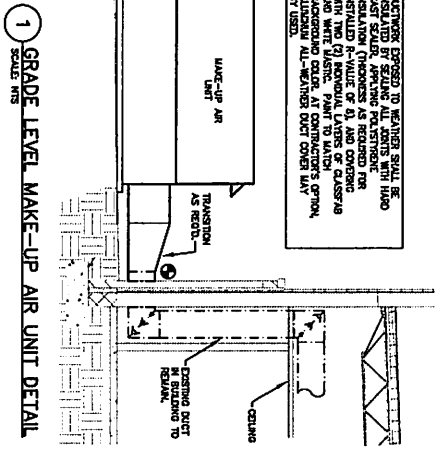
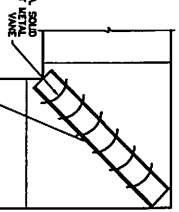
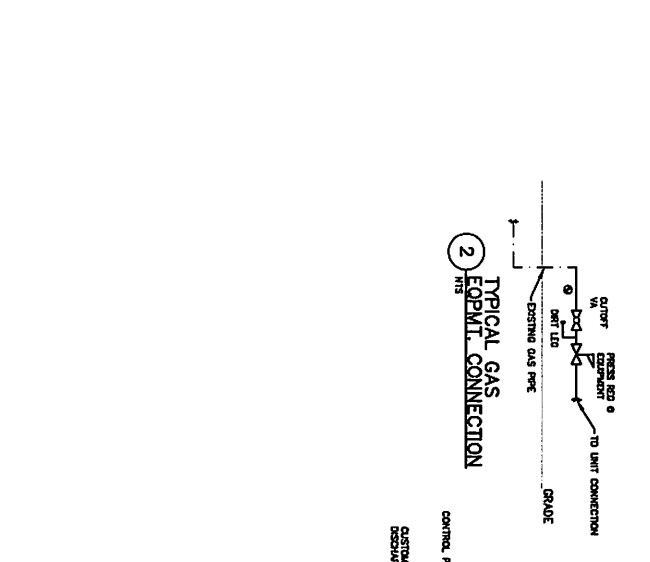


MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT METHOD OF COMPLIANCE. Includes manufacturer listing with details on equipment types, materials, and compliance codes.

APPROVED MANUFACTURER LISTING

The following manufacturers are listed in this schedule and their products are listed in this schedule... All units shall be of the same or better than the listed manufacturer...

Table with columns for Unit, Make, Model, and various performance metrics like COP, EER, and SEER. Includes a list of equipment types and materials.



- 4 TURNING VANE DETAIL
SCALE: NTS
REQUIRED ONLY WHERE SHOWN
ET: WILL NOT FIT

- 3 GRADE LEVEL MAKE-UP AIR UNIT DETAIL
SCALE: NTS

PACKAGED ENERGY RECOVERY UNIT - GAS HEAT

Large table with multiple columns listing equipment models, manufacturers, and various energy efficiency and performance metrics.



MECHANICAL EQUIPMENT LISTED table with columns for Item No., Description, and Remarks.

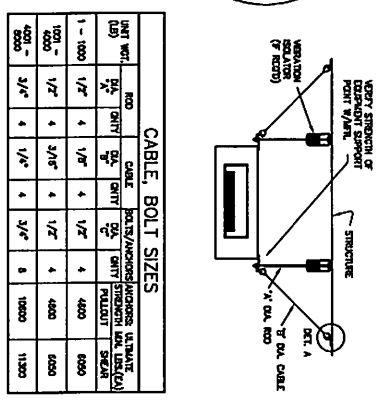


JOB NUMBER	D-W	REVISION DATE	REVISION DESCRIPTION
2021-001	100		
2021-001	101		
2021-001	102		
2021-001	103		
2021-001	104		
2021-001	105		
2021-001	106		
2021-001	107		
2021-001	108		
2021-001	109		
2021-001	110		

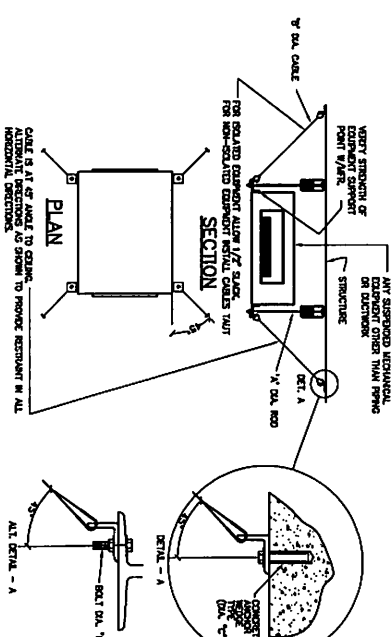
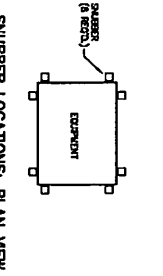
CAROLINA FOREST HIGH
700 GARDNER LACY RD.
MYRTLE BEACH, SC, 29579
HVAC RENEWAL

MECHANICAL SEISMIC
DETAILS

M2.1



DL (in)	SEISMIC RESTRAINT RATIO	SEISMIC RESTRAINT RATIO
1/2"	0.50	0.50
3/8"	0.75	0.75
1/4"	1.00	1.00



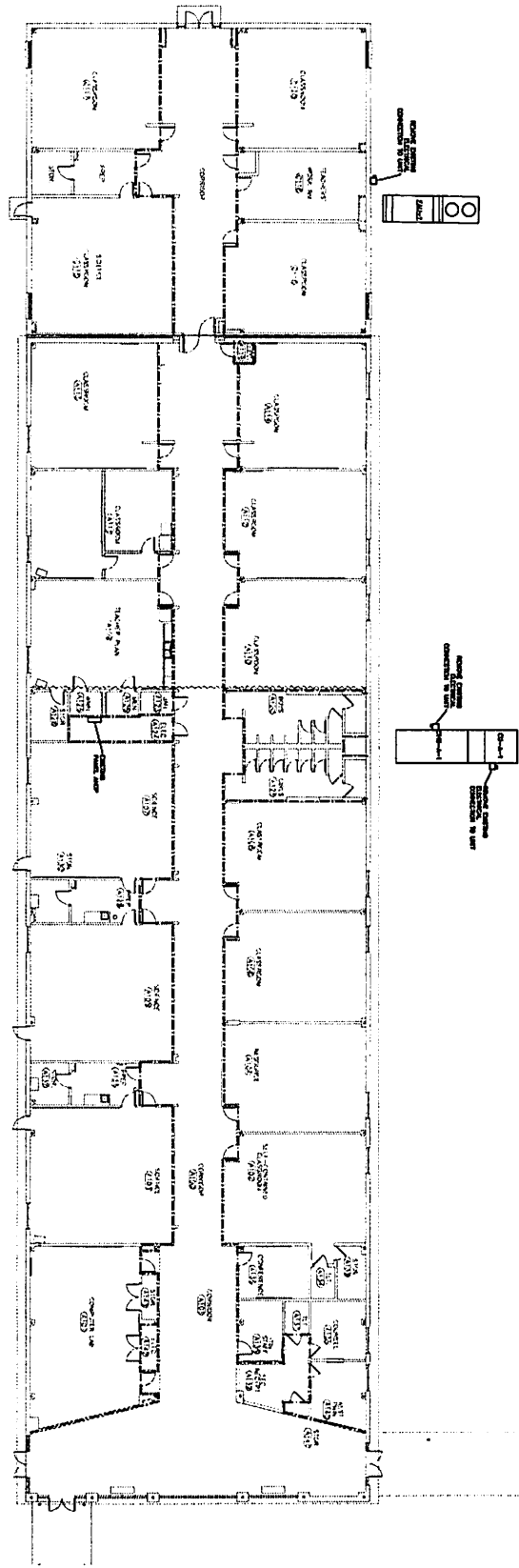
SEISMIC RESTRAINT SCHEDULE	SEISMIC RESTRAINT RATIO	SEISMIC RESTRAINT RATIO
1/2"	0.50	0.50
3/8"	0.75	0.75
1/4"	1.00	1.00

- SEISMIC HAZARD CATEGORY GROUP A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

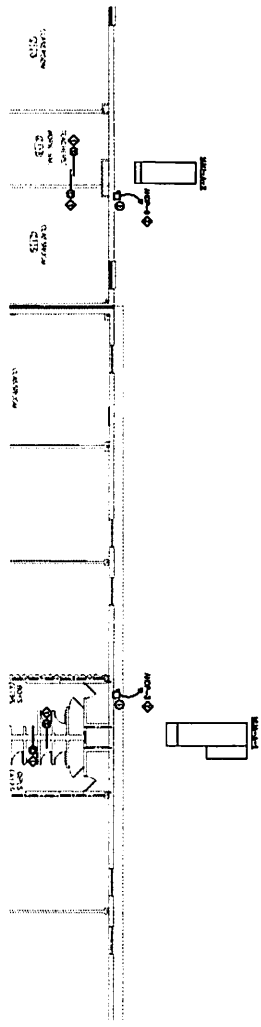
2. EQUIPMENT SUSPENDED FROM STRUCTURE

3. SEISMIC SNUBBER DETAIL

1. SEISMIC RESTRAINTS FOR FLOOR/SLAB MOUNTED EQUIPMENT

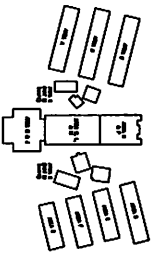


1 ELECTRICAL PLAN - AREA A - DEMOLITION
SCALE 3/8" = 1'-0"



2 ELECTRICAL PLAN - AREA A - NEW WORK
SCALE 3/8" = 1'-0"

- ◆ CONNECT TO EXISTING ASSEMBLY FROM MAIN CENTER.
- ◆ CONNECT FROM MAIN TO ALL NEW LIGHT FIXTURES IN HALL.
- ◆ ALL EXISTING LIGHT FIXTURES SHALL BE RELOCATED.
- ◆ EXISTING WALL SHALL BE IN PLACE AND EXISTING IN PLACE AS SHOWN UNLESS OTHERWISE NOTED BY DIMENSIONS.



FIRE RATED WALLS	
1 1/2 HR WALL	1 HR WALL
30 MIN WALL	15 MIN WALL
10 MIN WALL	5 MIN WALL
0 MIN WALL	

ALL WALLS SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 90A, SECTION 7.2.1.1.1. ALL WALLS SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 90A, SECTION 7.2.1.1.1. ALL WALLS SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 90A, SECTION 7.2.1.1.1.

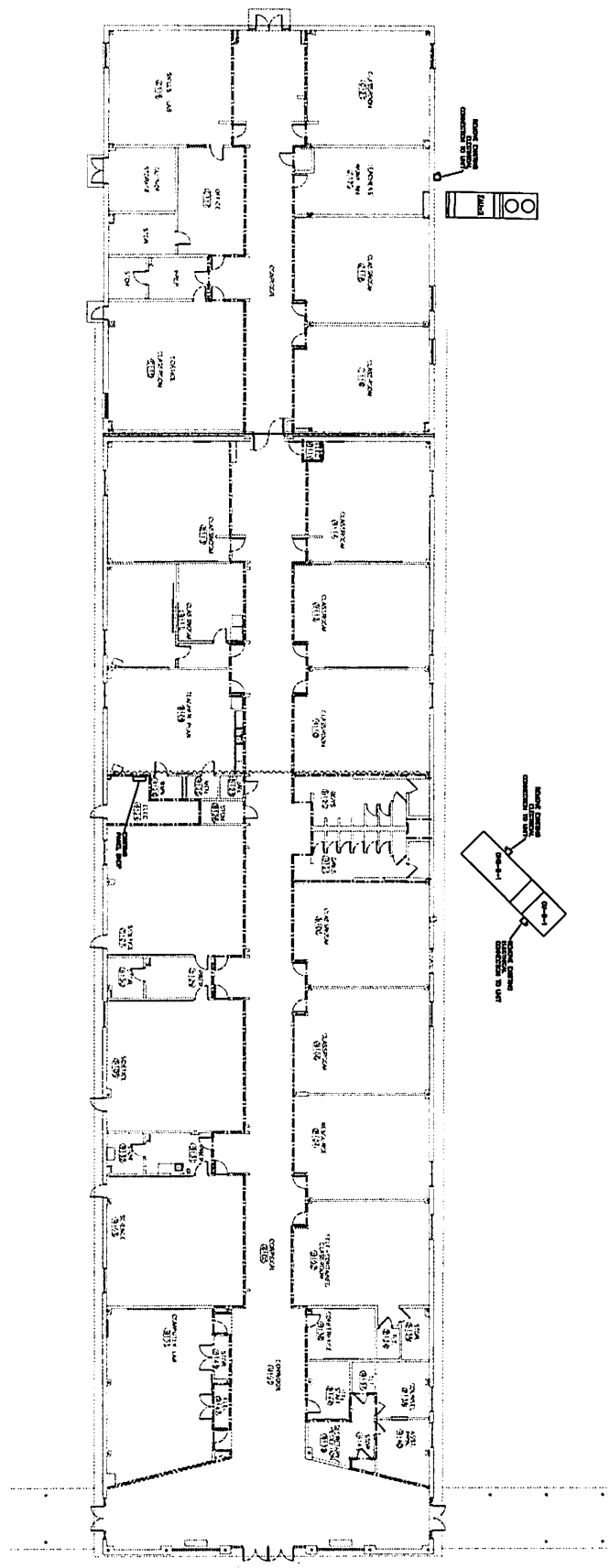


**MCKNIGHT • SMITH
WARD • GRIFFIN**
ENGINEERS, INCORPORATED
4223 South Boulevard
Charlotte, NC 28209
704/327-2112 21-156

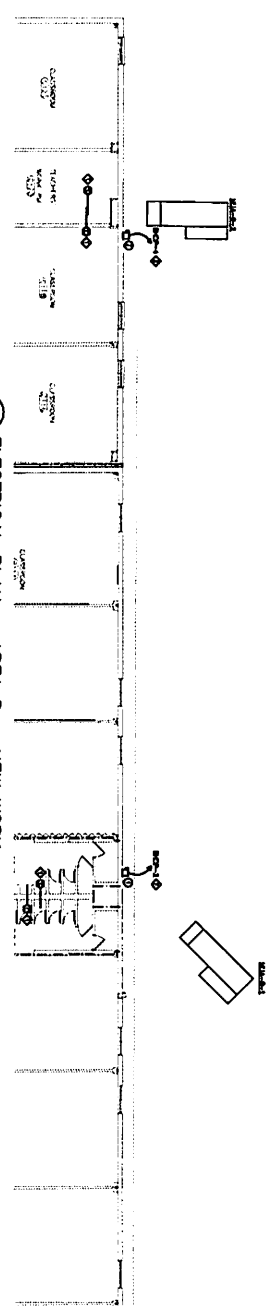
**ELECTRICAL FLOOR PLAN
- AREA A**

**CAROLINA FOREST HIGH
700 GARDNER LACY RD.
MYRTLE BEACH, SC, 29579
HVAC RENEWAL**

DATE: 07/22/2022

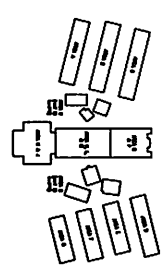


1 ELECTRICAL PLAN - AREA B - DEMOLITION
SCALE 3/32" = 1'-0"



2 ELECTRICAL PLAN - AREA B - NEW WORK
SCALE 3/32" = 1'-0"

- 1. CONTACT TO EXISTING APPROVED FIRE ALARM CENTER.
- 2. ALL NEW WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.
- 3. ALL NEW WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B TO BE USED AS A GUIDE TO THE MINIMUM REQUIREMENTS FOR MAINTENANCE OF ELECTRICAL SYSTEMS.
- 4. ALL NEW WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70E TO BE USED AS A GUIDE TO THE MINIMUM REQUIREMENTS FOR SAFETY RELATED TO ELECTRICAL SYSTEMS.



FIRE RATED WALLS

WALL TYPE	FIRE RATING
1. 1/2" Gypsum Board on Steel Stud	1 HOUR
2. 5/8" Gypsum Board on Steel Stud	1 HOUR
3. 5/8" Gypsum Board on Steel Stud with Intumescent Sealant	2 HOUR
4. 5/8" Gypsum Board on Steel Stud with Intumescent Sealant and Glass Fiber Reinforced Gypsum Board	2 HOUR

NOTES:
1. ALL NEW WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.
2. ALL NEW WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B TO BE USED AS A GUIDE TO THE MINIMUM REQUIREMENTS FOR MAINTENANCE OF ELECTRICAL SYSTEMS.
3. ALL NEW WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70E TO BE USED AS A GUIDE TO THE MINIMUM REQUIREMENTS FOR SAFETY RELATED TO ELECTRICAL SYSTEMS.

PROJECT FILE
ELECTRICAL FLOOR PLAN - AREA B
REV. 1.1

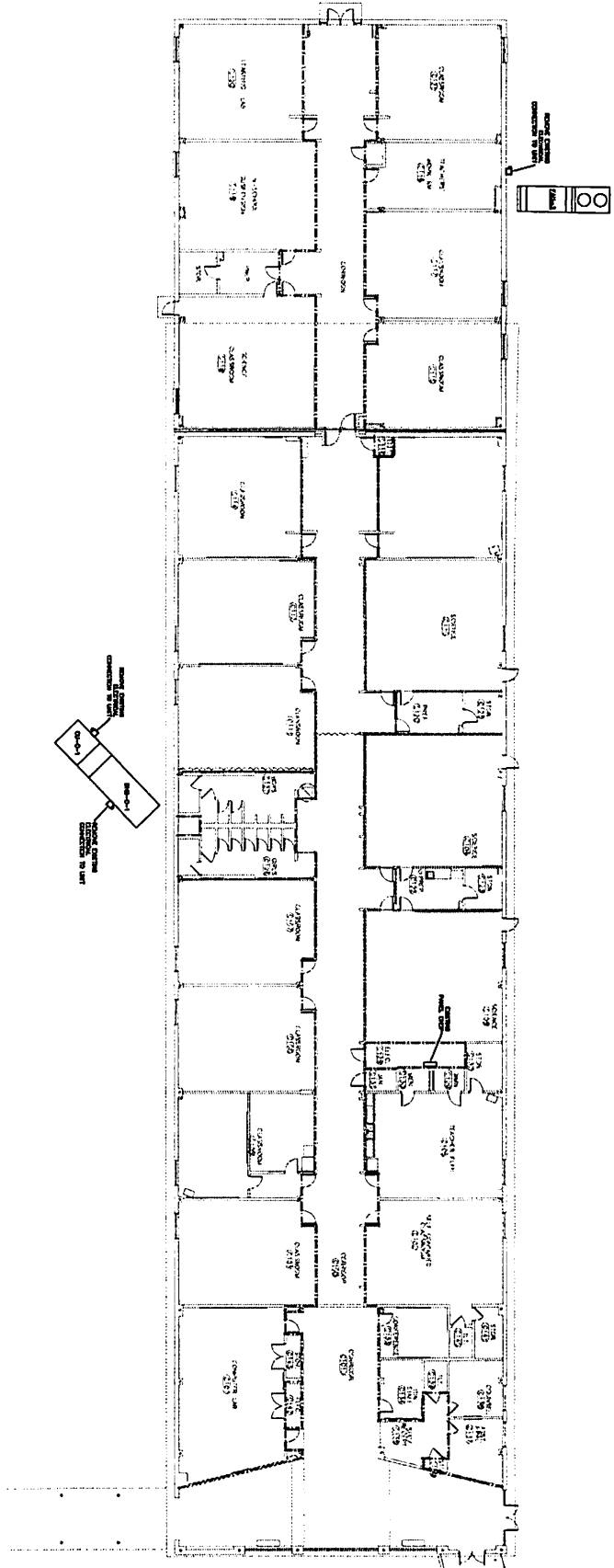
ON FILE
**CAROLINA FOREST HIGH
700 GARDNER LACY RD.
MYRTLE BEACH, SC, 29579
HVAC RENEWAL**

NO.	REVISION	DATE	BY	CHKD BY
1	ISSUED FOR PERMIT	07/22/2022	MS	MS
2	REVISED BASED ON COMMENTS			
3				
4				
5				
6				
7				
8				
9				
10				

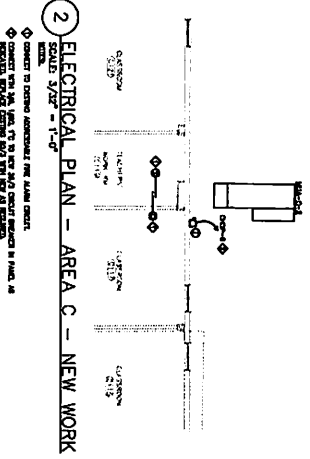


**McKNIGHT-SMITH
WARD • GRIFFIN**
ENGINEERS, INCORPORATED
4223 South Boulevard
Charlotte, NC 28209
704/327-2112 21-150

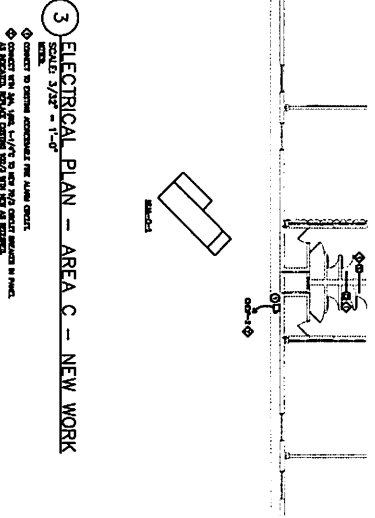




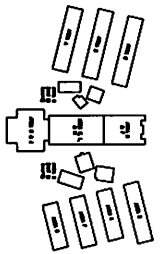
1 ELECTRICAL PLAN - AREA C - DEMOLITION
SCALE 3/8" = 1'-0"



2 ELECTRICAL PLAN - AREA C - NEW WORK
SCALE 3/8" = 1'-0"



3 ELECTRICAL PLAN - AREA C - NEW WORK
SCALE 3/8" = 1'-0"

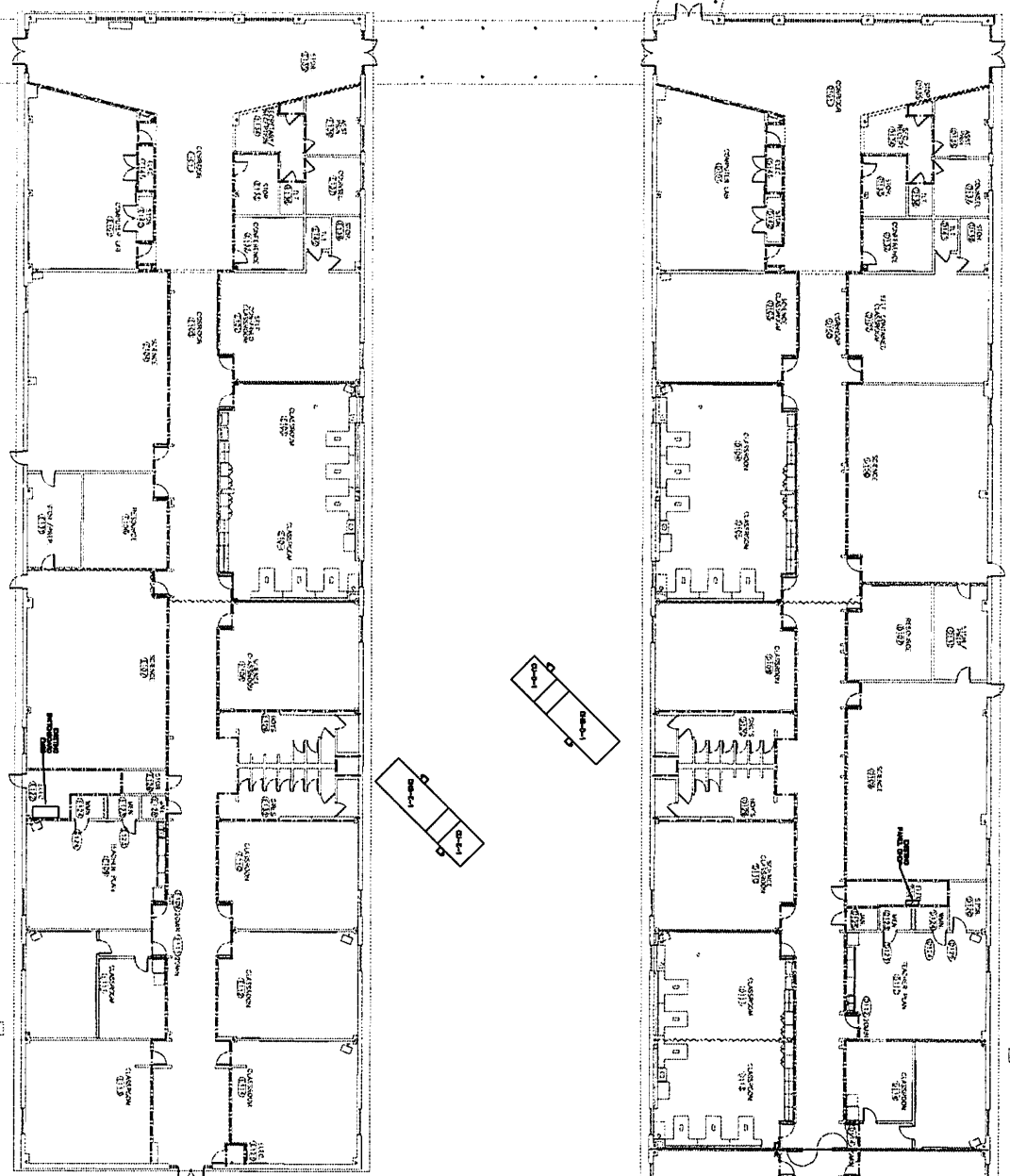


FIRE RATED WALLS

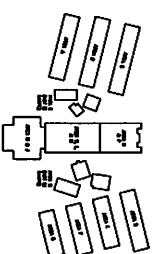
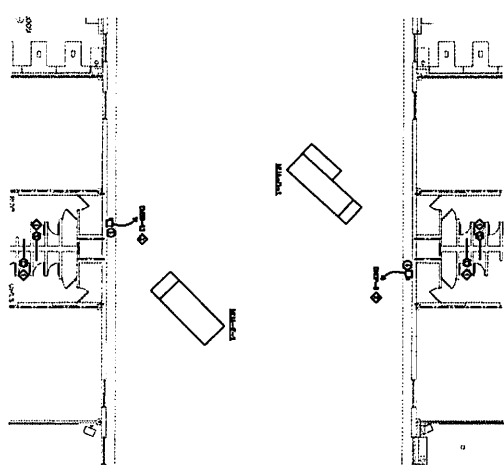
WALL TYPE	FIRE RATING
1. GYM WALL	1 HOUR
2. GYM WALL	1 HOUR
3. GYM WALL	1 HOUR
4. GYM WALL	1 HOUR
5. GYM WALL	1 HOUR
6. GYM WALL	1 HOUR
7. GYM WALL	1 HOUR
8. GYM WALL	1 HOUR
9. GYM WALL	1 HOUR
10. GYM WALL	1 HOUR
11. GYM WALL	1 HOUR
12. GYM WALL	1 HOUR
13. GYM WALL	1 HOUR
14. GYM WALL	1 HOUR
15. GYM WALL	1 HOUR
16. GYM WALL	1 HOUR
17. GYM WALL	1 HOUR
18. GYM WALL	1 HOUR
19. GYM WALL	1 HOUR
20. GYM WALL	1 HOUR
21. GYM WALL	1 HOUR
22. GYM WALL	1 HOUR
23. GYM WALL	1 HOUR
24. GYM WALL	1 HOUR
25. GYM WALL	1 HOUR
26. GYM WALL	1 HOUR
27. GYM WALL	1 HOUR
28. GYM WALL	1 HOUR
29. GYM WALL	1 HOUR
30. GYM WALL	1 HOUR
31. GYM WALL	1 HOUR
32. GYM WALL	1 HOUR
33. GYM WALL	1 HOUR
34. GYM WALL	1 HOUR
35. GYM WALL	1 HOUR
36. GYM WALL	1 HOUR
37. GYM WALL	1 HOUR
38. GYM WALL	1 HOUR
39. GYM WALL	1 HOUR
40. GYM WALL	1 HOUR
41. GYM WALL	1 HOUR
42. GYM WALL	1 HOUR
43. GYM WALL	1 HOUR
44. GYM WALL	1 HOUR
45. GYM WALL	1 HOUR
46. GYM WALL	1 HOUR
47. GYM WALL	1 HOUR
48. GYM WALL	1 HOUR
49. GYM WALL	1 HOUR
50. GYM WALL	1 HOUR
51. GYM WALL	1 HOUR
52. GYM WALL	1 HOUR
53. GYM WALL	1 HOUR
54. GYM WALL	1 HOUR
55. GYM WALL	1 HOUR
56. GYM WALL	1 HOUR
57. GYM WALL	1 HOUR
58. GYM WALL	1 HOUR
59. GYM WALL	1 HOUR
60. GYM WALL	1 HOUR
61. GYM WALL	1 HOUR
62. GYM WALL	1 HOUR
63. GYM WALL	1 HOUR
64. GYM WALL	1 HOUR
65. GYM WALL	1 HOUR
66. GYM WALL	1 HOUR
67. GYM WALL	1 HOUR
68. GYM WALL	1 HOUR
69. GYM WALL	1 HOUR
70. GYM WALL	1 HOUR
71. GYM WALL	1 HOUR
72. GYM WALL	1 HOUR
73. GYM WALL	1 HOUR
74. GYM WALL	1 HOUR
75. GYM WALL	1 HOUR
76. GYM WALL	1 HOUR
77. GYM WALL	1 HOUR
78. GYM WALL	1 HOUR
79. GYM WALL	1 HOUR
80. GYM WALL	1 HOUR
81. GYM WALL	1 HOUR
82. GYM WALL	1 HOUR
83. GYM WALL	1 HOUR
84. GYM WALL	1 HOUR
85. GYM WALL	1 HOUR
86. GYM WALL	1 HOUR
87. GYM WALL	1 HOUR
88. GYM WALL	1 HOUR
89. GYM WALL	1 HOUR
90. GYM WALL	1 HOUR
91. GYM WALL	1 HOUR
92. GYM WALL	1 HOUR
93. GYM WALL	1 HOUR
94. GYM WALL	1 HOUR
95. GYM WALL	1 HOUR
96. GYM WALL	1 HOUR
97. GYM WALL	1 HOUR
98. GYM WALL	1 HOUR
99. GYM WALL	1 HOUR
100. GYM WALL	1 HOUR

NOT TO SCALE
 ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE
 ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B CODE BOOK.
 ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B CODE BOOK.
 ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B CODE BOOK.

1 ELECTRICAL PLAN - AREAS D & E - DEMOLITION
 SCALE 3/8" = 1'-0"



2 ELECTRICAL PLAN - AREAS D & E - NEW WORK
 SCALE 3/8" = 1'-0"



FIRE RATED WALLS

WALL TYPE	CONSTRUCTION
1 HOUR WALL	1/2" GYPSUM BOARD ON EACH SIDE OF 2" X 4" STUDS
2 HOUR WALL	1/2" GYPSUM BOARD ON EACH SIDE OF 2" X 4" STUDS WITH 1/2" AIR SPACE
3 HOUR WALL	1/2" GYPSUM BOARD ON EACH SIDE OF 2" X 4" STUDS WITH 1/2" AIR SPACE AND 1/2" GYPSUM BOARD ON EACH SIDE OF 2" X 4" STUDS

ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B CODE BOOK.
 ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B CODE BOOK.
 ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B CODE BOOK.

Sheet No. **E1.3**

ELECTRICAL FLOOR PLAN - AREAS D & E

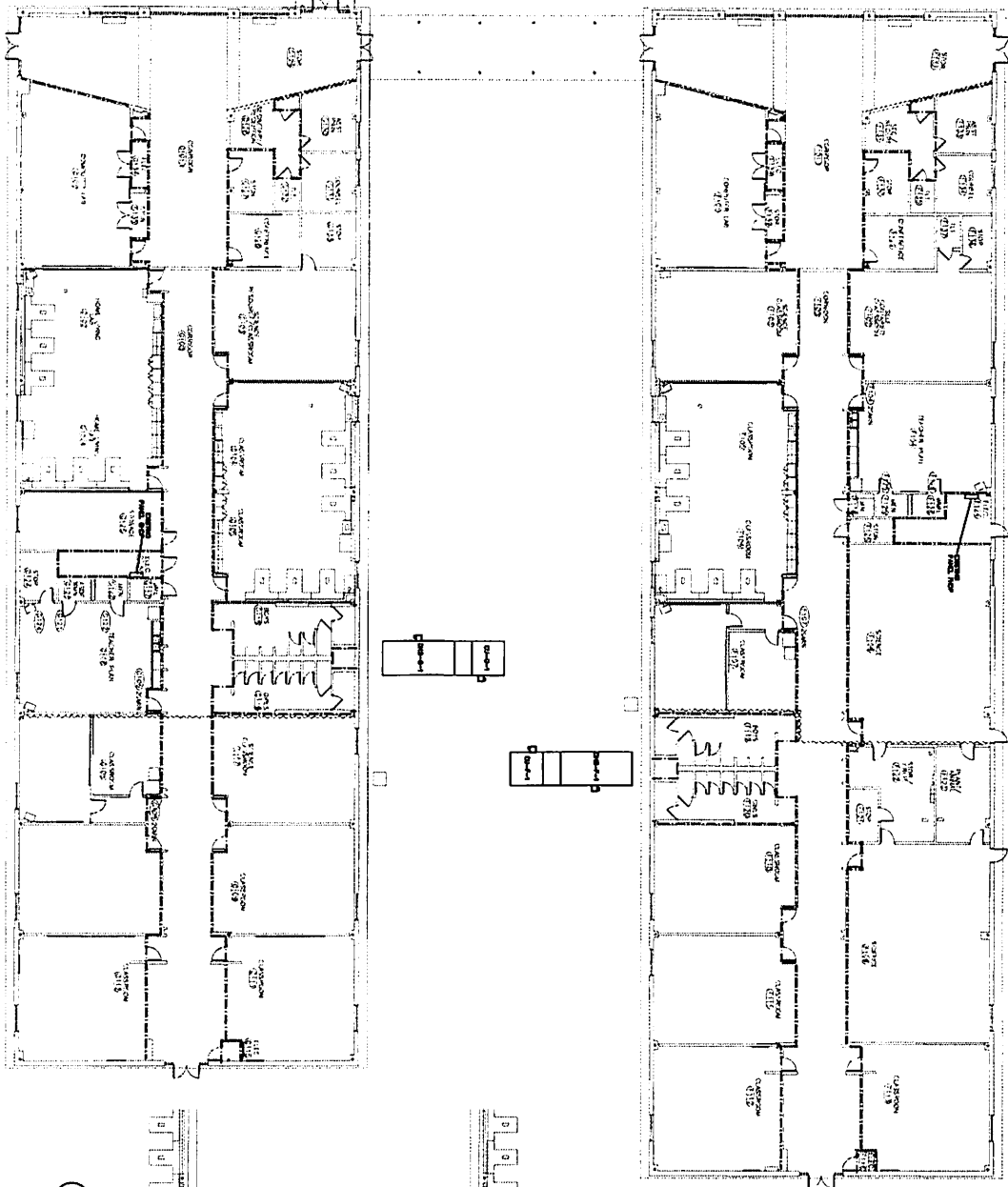
CAROLINA FOREST HIGH
700 GARDNER LACY RD.
MYRTLE BEACH, SC, 29579
HVAC RENEWAL

JOB NUMBER	REVISION DATES	REVISION DESCRIPTION
21-156		
DRAWN BY	SM	
CHECKED BY	SM	
DATE	07/22/2022	

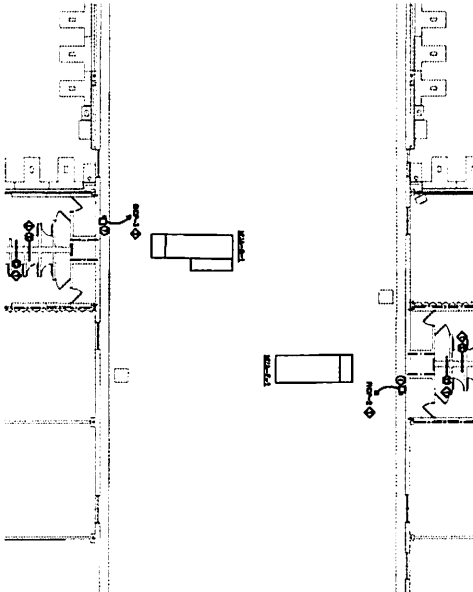


McKNIGHT · SMITH
WARD · GRIFFIN
ENGINEERS, INCORPORATED
 4223 South Boulevard
 Charlotte, NC 28209
 704/527-2112



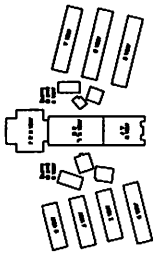


1 ELECTRICAL PLAN - AREAS F & G - DEMOLITION
SCALE 3/8" = 1'-0"



2 ELECTRICAL PLAN - AREAS F & G - NEW WORK
SCALE 3/8" = 1'-0"

- ◆ CONNECT TO EXISTING APPLICABLE RACEWAY SYSTEMS
- ◆ CONNECT NEW RACEWAYS TO THE NEW WORK LOCATIONS IN PANELS
- ◆ CONNECT NEW WIRING TO THE NEW WORK LOCATIONS IN PANELS
- ◆ PROVIDE NEW WIRING TO THE NEW WORK LOCATIONS IN PANELS
- ◆ PROVIDE NEW WIRING TO THE NEW WORK LOCATIONS IN PANELS



FIRE RATED WALLS

TYPE	THICKNESS
1 HOUR	5/8" MIN.
2 HOUR	1" MIN.

FOR THE IDENTIFICATION OF WALLS, SEE THE NOTES ON SHEET ELEC-101.

THIS PLAN IS INTENDED TO BE USED IN CONJUNCTION WITH THE MECHANICAL AND PLUMBING PLANS FOR THE PROJECT. ALL WORK SHOWN ON THIS PLAN IS SUBJECT TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT.

NOTES:

- ALL WORK SHOWN ON THIS PLAN IS SUBJECT TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT.
- ALL NEW WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NEC AND NFPA STANDARDS.
- ALL EXISTING WORK TO BE DEMOLISHED SHALL BE REMOVED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NEC AND NFPA STANDARDS.
- ALL NEW WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NEC AND NFPA STANDARDS.



**McKNIGHT · SMITH
WARD · GRIFFIN**
ENGINEERS, INCORPORATED
4225 South Boulevard
Durham, NC 28209
704/327-2112

07-22-2022

JOB NUMBER	21-049	REVISION DATE	REVISION DESCRIPTION
DRAWN BY	SB		
CHECKED BY	SB		
DATE	01/25/2022		

ELECTRICAL FLOOR PLAN - AREAS F & G

**CAROLINA FOREST HIGH
700 GARDNER LACY RD.
MYRTLE BEACH, SC, 29579
HVAC RENEWAL**

4

