

SYMBOL SCHEDULE	
GENERAL SYMBOLS	
SYMBOL	DESCRIPTION
—	CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS.
-----	CONDUIT RUN CONCEALED IN OR BELOW FLOORS OR UNDERGROUND.
- - - - -	CONDUIT RUN EXPOSED.
→	CONDUIT TURNING UP.
↓	CONDUIT TURNING DOWN.
→→	SQUARE ON CONDUIT SYMBOL INDICATES THAT CIRCUIT CONTINUES BUT NOT SWITCHED.
→→→	WOMERLIN TO PANEL AND CIRCUIT(S) DESIGNATED. ARROW(S) INDICATE QUANTITY OF CIRCUITS.
⊙	JUNCTION BOX PER N.E.C.
⊕	SPECIAL NOTE, NAMEPLATE IDENTIFY, SEE SCHEDULE.
⊗	SPECIAL CONNECTION TO A SPECIFIC ITEM OF EQUIPMENT. SEE CONNECTION SCHEDULE.
⊗	MOTOR CONNECTION, RATING AS NOTED.
DISTRIBUTION	
SYMBOL	DESCRIPTION
■	ELECTRICAL PANELBOARD, FLUSH MOUNTED.
■	ELECTRICAL PANELBOARD, SURFACE MOUNTED.
□	CONTROL CABINET, FLUSH OR SURFACE MOUNTED.
□	DISCONNECT SWITCH, NON-FUSIBLE.
□	DISCONNECT SWITCH, FUSIBLE.
□	DISCONNECT SWITCH PROVIDED WITH EQUIPMENT.
—	GROUND CONNECTION.
FIRE ALARM SYSTEM	
SYMBOL	DESCRIPTION
⊙	FIRE ALARM SYSTEM DUCT MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR.
WIRING DEVICES	
SYMBOL	DESCRIPTION
⊕	DUPLEX RECEPTACLE, 125V, 3-WIRE GROUNDING TYPE.
⊕	DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTING.
⊕	DUPLEX GFCI RECEPTACLE. PROVIDE WITH OPERABLE, IN-USE WEATHERPROOF COVER.

EQUIPMENT CONNECTION SCHEDULE													
SYMBOL	EQUIPMENT	LOAD	VOLTAGE / PHASE	TYPE	RATING	POLES	TRIP/FUSE	ENCLOSURE	CONDUCTORS	RACEWAY	TYPE	SIZE	NOTES
⊙	RTU-2-5	—	480/3	NFDS	60	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-3-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-4-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-5-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-6	NOT USED	—	—	—	—	—	—	—	—	—	—	
⊙	RTU-7-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-8-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-9-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-10-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-11-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-12-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-13-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-14-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-15-4	—	480/3	NFDS	60	3	—	3R	3/0.1#100	LMC	3/4"		
⊙	RTU-16	NOT USED	—	—	—	—	—	—	—	—	—	—	
⊙	RTU-17	NOT USED	—	—	—	—	—	—	—	—	—	—	
⊙	RTU-18-7.5	—	480/3	FDS	100	3	50	3R	3/0.1#100	LMC	3/4"		
⊙	RTU-19-5	—	480/3	NFDS	60	3	—	3R	3/0.1#100	LMC	3/4"		
⊙	RTU-20-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-21-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-22-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-23	NOT USED	—	—	—	—	—	—	—	—	—	—	
⊙	RTU-24-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-25-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-26-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-27-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-28-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-29-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-30-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-31-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-32-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-33-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-34-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-35-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-36-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-37-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-38-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-39-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-40-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-41-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-42-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-43-3	—	480/3	NFDS	30	3	—	3R	3/0.1#100	LMC	1/2"		
⊙	RTU-44	—	480/3	FDS	100	3	70	3R	3/0.1#100	LMC	1-1/4"		
⊙	RTU-45-10	—	480/3	FDS	100	3	70	3R	3/0.1#100	LMC	1-1/4"		
⊙	RTU-46-10	—	480/3	FDS	100	3	70	3R	3/0.1#100	LMC	1-1/4"		
⊙	RTU-47-5	—	480/3	NFDS	60	3	—	3R	3/0.1#100	LMC	3/4"		
⊙	RTU-48-5	—	480/3	NFDS	60	3	—	3R	3/0.1#100	LMC	3/4"		
⊙	NOT USED	—	—	—	—	—	—	—	—	—	—	—	
⊙	EXISTING 5 TON	—	480/3	NFDS	60	3	—	3R	3/0.1#100	LMC	3/4"		
⊙	EXISTING 5 TON	—	480/3	NFDS	60	3	—	3R	3/0.1#100	LMC	3/4"		
⊙	EXISTING 7.5 TON	—	480/3	FDS	100	3	50	3R	3/0.1#100	LMC	3/4"		
⊙	FAU-1	—	480/3	FDS	100	3	60	3R	3/0.1#100	LMC	3/4"		
⊙	FAU-2	—	480/3	FDS	200	3	110	3R	3/0.1#100	LMC	1-1/4"		
⊕	AH-18, CU-18	17.1 MCA	208/1	FDS	30	2	—	3R	2/0.2#120	LMC	1/2"		⊕
LEGEND													
DISCONNECT TYPES			RACEWAY TYPES			STARTER TYPES							
ETDS	= ELECTRIC-TRIP CIRCUIT BREAKER	1	= NEMA 1 ENCLOSURE	DMT	= ELECTRIC METALLIC TUBING	OP	= OVERHEAD POWER	OP	= OVERHEAD POWER				
FS	= FUSE DISCONNECT SWITCH	3R	= NEMA 3R ENCLOSURE	PM	= FLEXIBLE METAL CONDUIT	SV	= VERTICAL	SV	= VERTICAL				
MS	= MOTOR CIRCUIT PROTECTOR	4	= NEMA 4 ENCLOSURE	IMC	= INTERMEDIATE METAL CONDUIT	CS	= CONDUIT SYSTEM	CS	= CONDUIT SYSTEM				
NSDS	= NON-REVERSIBLE DISCONNECT SWITCH	4X	= NEMA 4X ENCLOSURE	LMC	= LIQUID-TIGHT FLEXIBLE METAL CONDUIT	CS	= CONDUIT SYSTEM	CS	= CONDUIT SYSTEM				
STDS	= COMBINATION STARTER/DISCONNECT SWITCH			PMC	= NON-METALLIC PVC CONDUIT	CS	= CONDUIT SYSTEM	CS	= CONDUIT SYSTEM				
TS	= THERMAL-MAGNETIC CIRCUIT BREAKER			PMC	= RIGID METAL CONDUIT	CS	= CONDUIT SYSTEM	CS	= CONDUIT SYSTEM				
TS	= TONGUE SWITCH												
NOTES													
1. DISCONNECT CONTRACTOR/DISCONNECT SWITCH													
NOTES													
ALL ELECTRICAL CHARACTERISTICS SCHEDULED ABOVE ARE BASED ON INFORMATION AVAILABLE AT THE TIME OF DESIGN. ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT AND EQUIPMENT SUPPLIERS PRIOR TO ORDERING, AND SHALL VERIFY EXACT LOCATION AND EXACT TYPE DISCONNECT, ALL EQUIPMENT SHALL BE INSTALLED PROPERLY AND SECURELY. ORDERING OF EQUIPMENT SHALL BE BASED ON THE INFORMATION PROVIDED IN THE SCHEDULE ABOVE. ANY EQUIPMENT NOT SCHEDULED ABOVE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING PRIOR TO PROCEEDING.													
CONDUCTORS AND RACEWAYS SPECIFIED IN THE ABOVE SCHEDULE ARE FOR FINAL CONNECTION TO EQUIPMENT AND SHALL BE EXTENDED FROM THE DISCONNECT SHOWN ON THE FLOOR PLANS TO THE EQUIPMENT TERMINATION BOX.													
CIRCUIT AND BOXES REQUIRED FOR EQUIPMENT CONNECTIONS SHALL BE INSTALLED IN SUCH A WAY AS TO NOT COVER UP EQUIPMENT NAMEPLATES, SERVICE AREAS, AIR FLOW AREAS, ETC.													
◇ UTILIZE ONLY ONE POLE OF TWO POLE DISCONNECT SWITCH FOR CIRCUIT DISCONNECT, DO NOT SWITCH CIRCUIT NEUTRAL.													
◇ FUSE PER MANUFACTURERS RECOMMENDATION.													
◇ ROOMS UNIT AH-18 POWERED FROM OUTDOOR UNIT CU-18, UNITS REMAIN UNDER BASE BID AND REPLACE UNDER ALTERNATE.													

LEGEND	DISCONNECT TYPES	RACEWAY TYPES	STARTER TYPES
FTBS = ELECTRONIC TRIP CIRCUIT BREAKER	1 = NEMA 1 ENCLOSURE	EMT = ELECTRIC METALLIC TUBING	CFR = COMBINATION FULL VOLTAGE, NONREVERSING
FDS = FUSIBLE DISCONNECT SWITCH	3R = NEMA 3R ENCLOSURE	FMC = FLEXIBLE METAL CONDUIT	
MCP = MOTOR CIRCUIT PROTECTOR	4 = NEMA 4 ENCLOSURE	IMC = INTERMEDIATE METAL CONDUIT	
NFDS = NON-FUSIBLE DISCONNECT SWITCH	4X = NEMA 4X ENCLOSURE	LMC = LIQUID-TIGHT FLEXIBLE METAL CONDUIT	
STDS = COMBINATION STARTER/DISCONNECT SWITCH		PVC = NON-METALLIC PVC CONDUIT	
MCB = THERMAL-MAGNETIC CIRCUIT BREAKER		RMC = RIGID METAL CONDUIT	
TOS = TOGGLE SWITCH			
CDS = COMBINATION CONTACTOR/DISCONNECT SWITCH			

NOTES

ALL ELECTRICAL CHARACTERISTICS SCHEDULED ABOVE ARE BASED ON INFORMATION AVAILABLE AT THE TIME OF DESIGN. ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT WITH EQUIPMENT SUPPLIERS PRIOR TO ORDERING, AND SHALL VERIFY EXACT LOCATION AND EXACT TYPE OF CONNECTION. ALL EQUIPMENT SHALL BE PROPERLY AND SECURELY GROUNDING. ANY SIGNIFICANT CHANGES IN LOCATION, ELECTRICAL REQUIREMENTS, OR TYPE OF CONNECTION REQUIRED FOR ANY EQUIPMENT SCHEDULED ABOVE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING PRIOR TO PROCEEDING.

CONDUCTORS AND RACEWAY SPECIFIED IN THE ABOVE SCHEDULE ARE FOR FINAL CONNECTION TO UNIT AND SHALL BE EXTENDED FROM THE DISCONNECT SHOWN ON THE FLOOR PLANS TO THE EQUIPMENT TERMINATION BOX.

CONDUIT AND BOXES REQUIRED FOR EQUIPMENT CONNECTIONS SHALL BE INSTALLED IN SUCH A WAY AS TO NOT COVER UP EQUIPMENT NAMEPLATES, SERVICE AREAS, AIR FLOW AREAS, ETC.

⊕ UTILIZE ONLY ONE POLE OF TWO POLE DISCONNECT SWITCH FOR CIRCUIT DISCONNECTION. DO NOT SWITCH CIRCUIT NEUTRAL.

⊕ FUSE PER MANUFACTURERS RECOMMENDATION.

⊕ INDOOR UNIT AH-18 POWERED FROM OUTDOOR UNIT CU-18. UNITS REMAIN UNDER BASE BID AND REPLACED UNDER ALTERNATE.

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ARCHITECTS, INC.
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DURHAM, NC 27603
919-286-1100

SEAL OF THE STATE OF NORTH CAROLINA
JAMES H. HARRIS
JULY 1, 2019

03-15-1010

Owner:
HCS
Horry County Schools
Horry County School District
Facilities
1100 East Highway 901
Conway, South Carolina 29526

**NORTH MYRTLE BEACH HIGH SCHOOL
ADDITIONS AND RENOVATIONS**
HORRY COUNTY SCHOOLS
Little River, South Carolina

PROJECT NO.: 19-191
PHASE OF WORK: BD
DATE: 3/15/2020
BID DOCUMENTS

REVISIONS:

DATE: 3/15/2020
BID DOCUMENTS

SYMBOLS,
SCHEDULES
AND
ABBREVIATIONS

SHEET:
E100



**NORTH MYRTLE BEACH HIGH SCHOOL
ADDITIONS AND RENOVATIONS**
Horry County Schools
Little River, South Carolina

DATE: 3/15/2020
BID DOCUMENTS

[illegible]

SPECIFICATIONS

E300

d. Nameplates shall be attached with sheet metal screws. They shall be sized to allow for installation of screws without obscuring text.

E300	SCALE: NO SCALE
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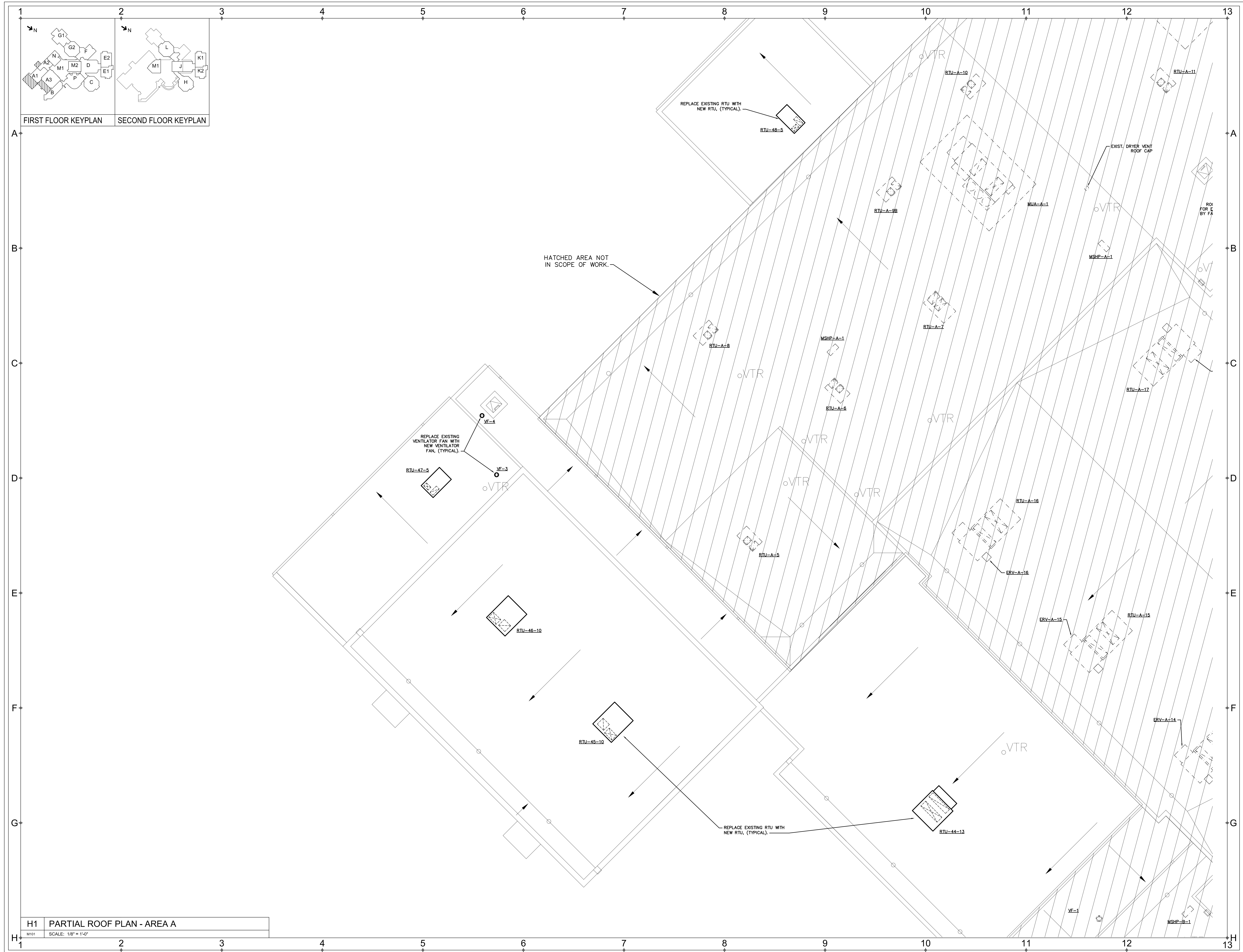
**NORTH MYRTLE BEACH HIGH SCHOOL
ADDITIONS AND RENOVATIONS**
HORRY COUNTY SCHOOLS
Little River, South Carolina

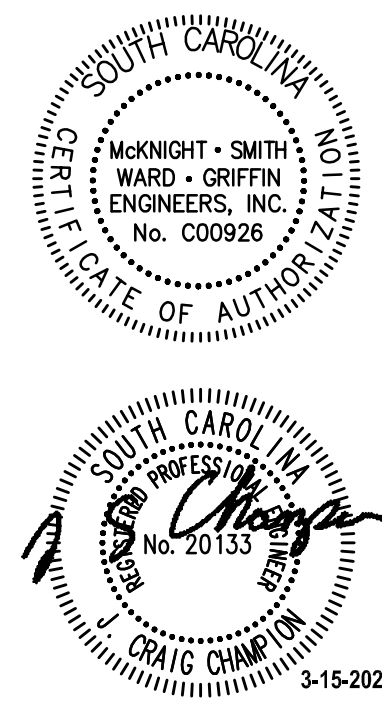
BID DOCUMENTS

[illegible]

SHEET:

M101





Owner:



Horry County School District
Facilities
1160 East Highway 501
Conway, South Carolina 29526

NORTH MYRTLE BEACH HIGH SCHOOL
ADDITIONS AND RENOVATIONS
HORRY COUNTY SCHOOLS
Little River, South Carolina

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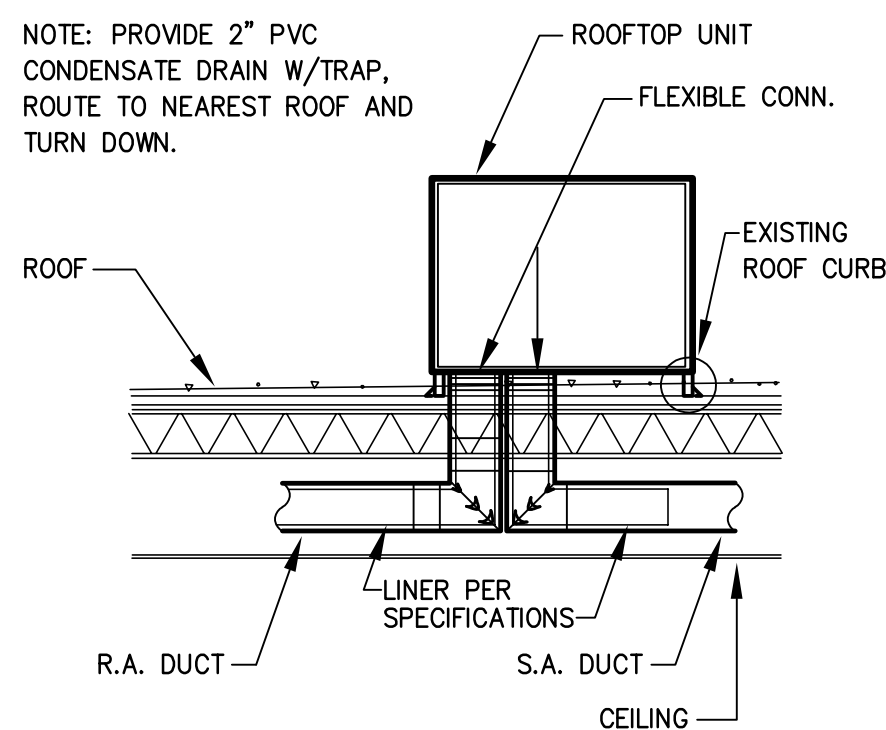
REVISIONS:

TITLE:

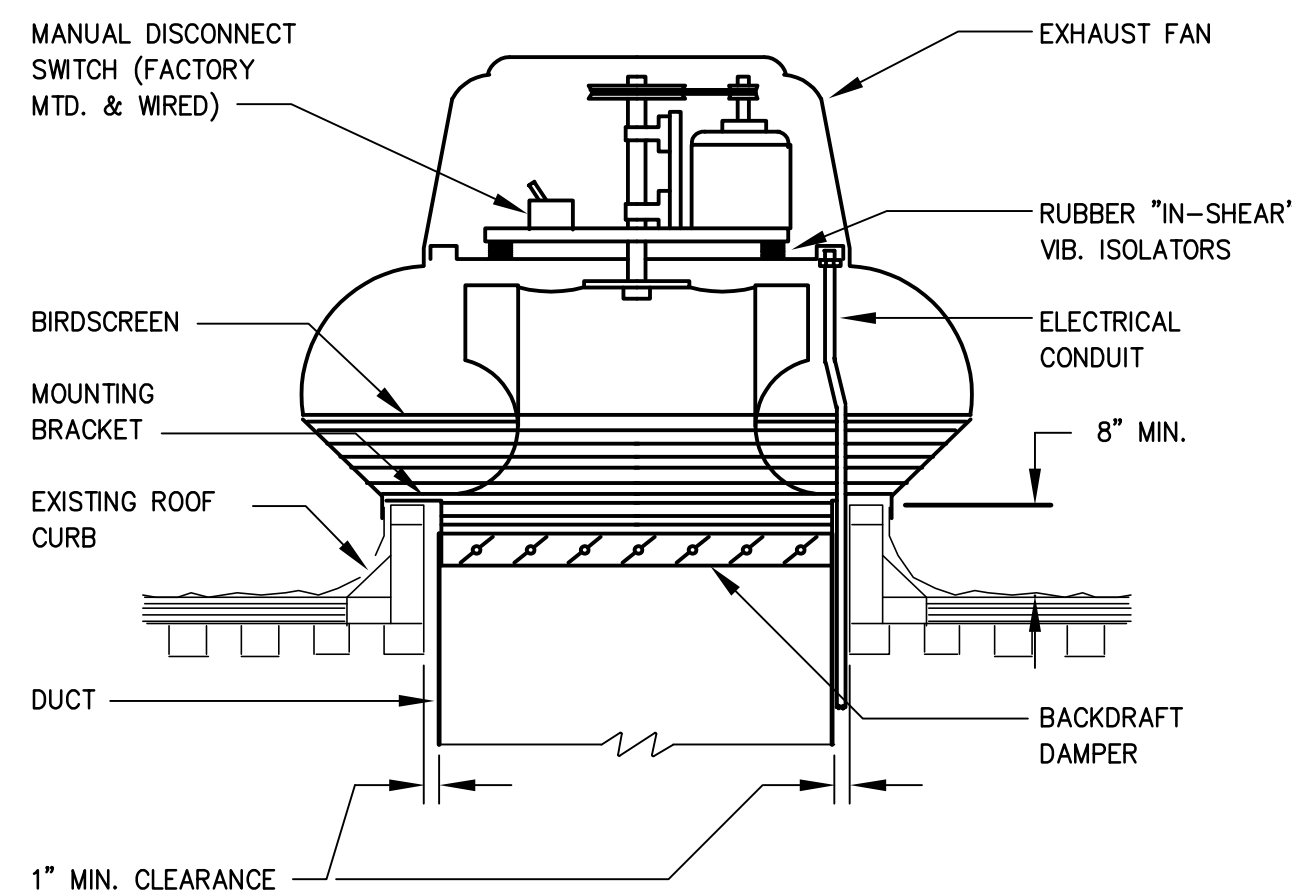
DETAILS

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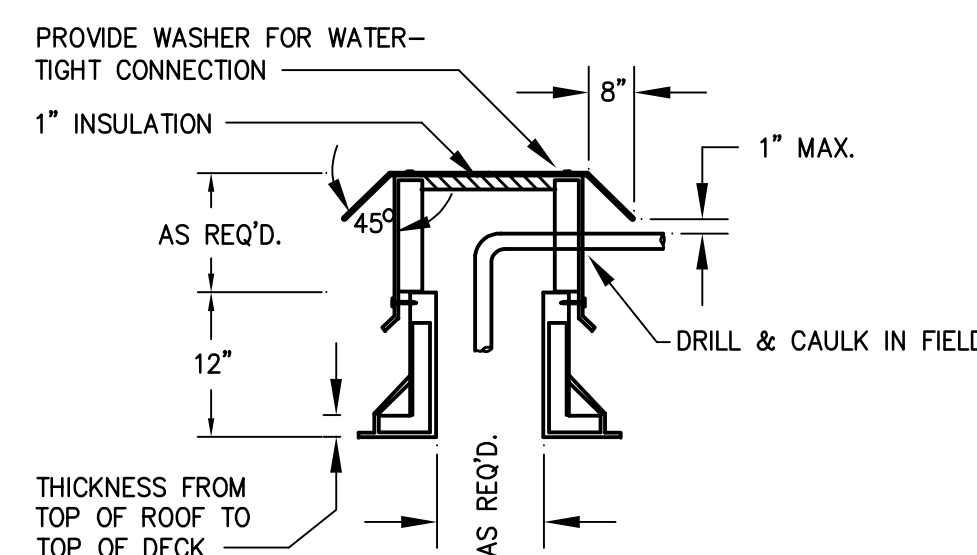
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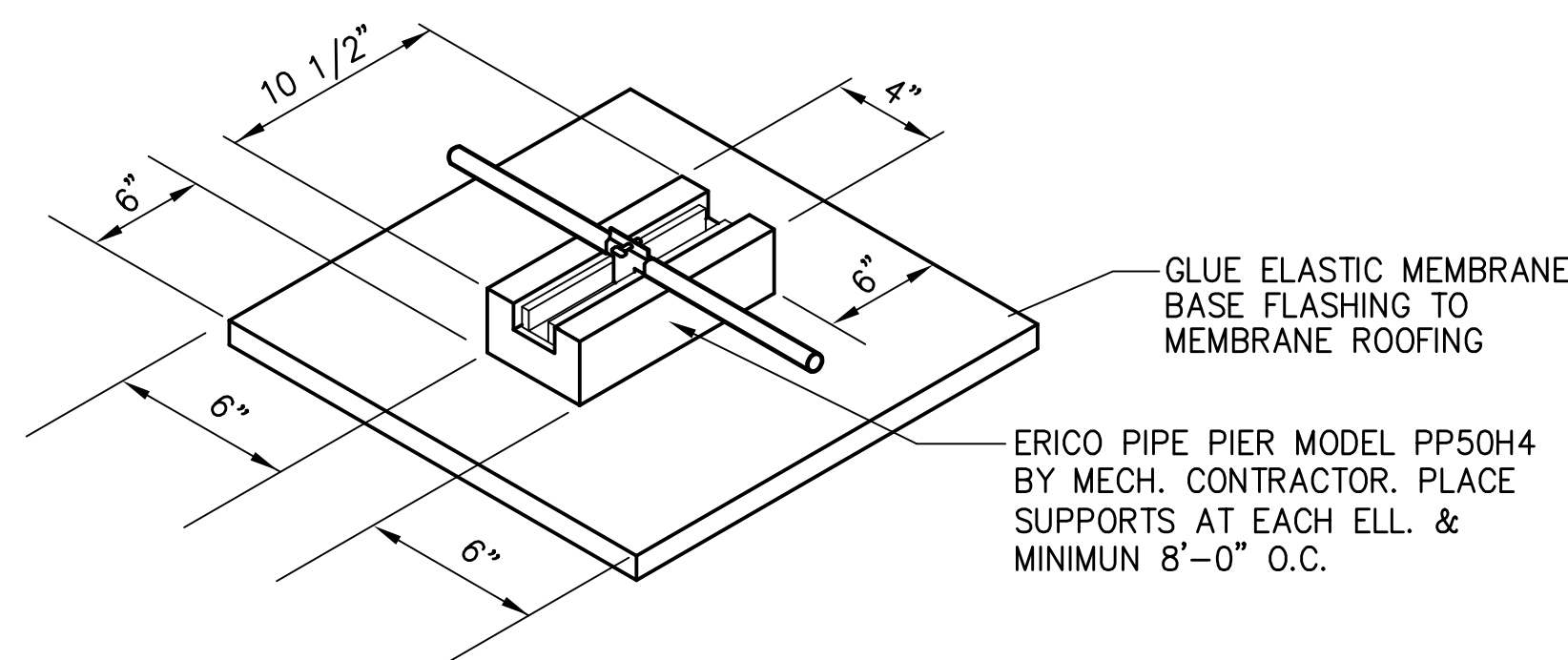
1 SECTION @ ROOFTOP UNIT
SCALE: N.T.S.
NOTE: SEE PLANS FOR SIZES



2 ROOF MTD. EXHAUST FAN DETAIL
SCALE: N.T.S.



3 ALTERNATE BID
PIPE THRU ROOF DETAIL
SCALE: N.T.S.



4 ALTERNATE BID
PIPING ROOF SUPPORT DETAIL
SCALE: N.T.S.