SAMPSON CORRECTIONAL INSTITUTION DORMITORY HVAC RENOVATIONS

DRAWING INDEX

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PROJECT CONTA

<u>SITE:</u>

Sampson Correctional Institution 421 NW Boulevard Clinton, NC 28328

<u>OWNER:</u>

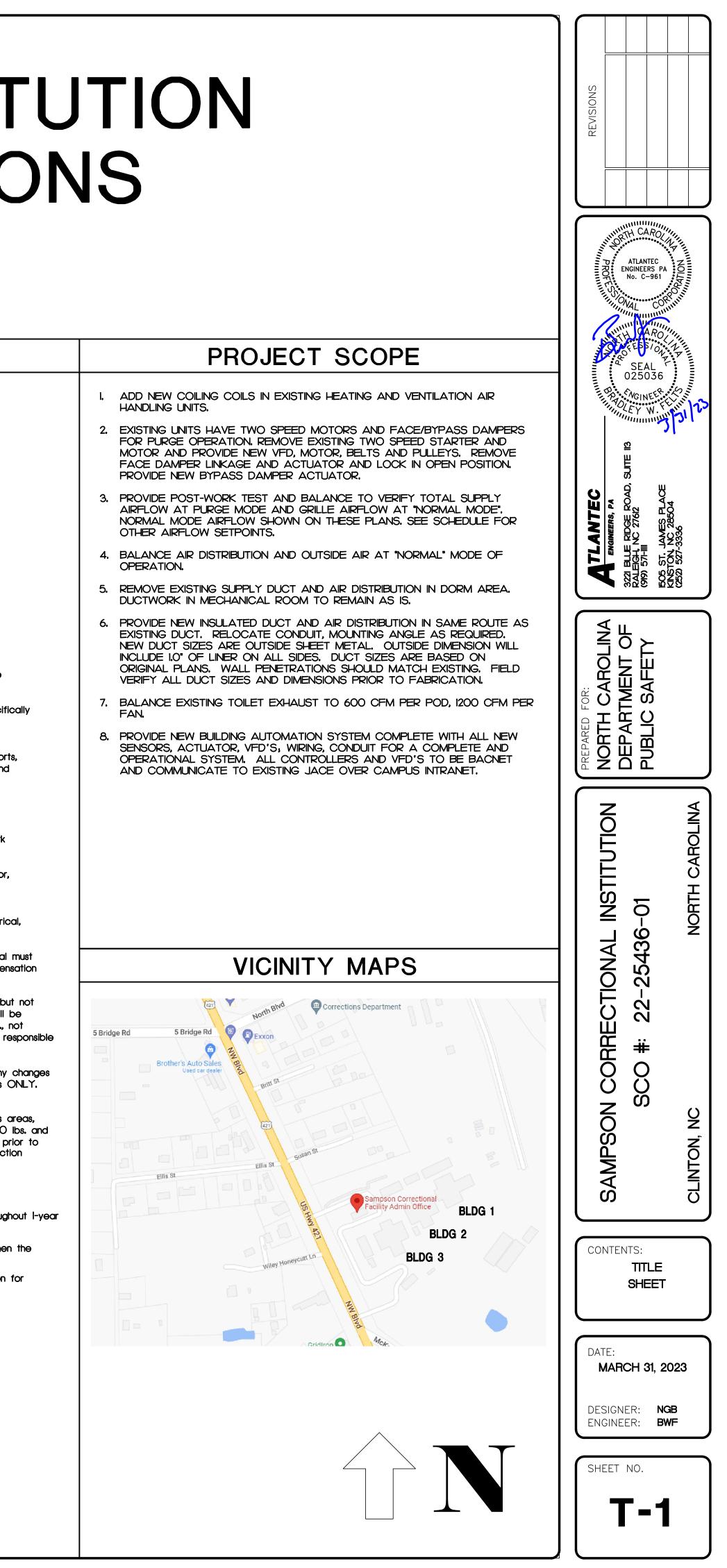
Taylor Oldham Project Manager NC Department of Adult Correction Central Engineering 2020 Yonkers Road (4216 MSC) Raleigh, NC 27699-4216 (919) 324-1272 taylor.oldham@dac.nc.gov

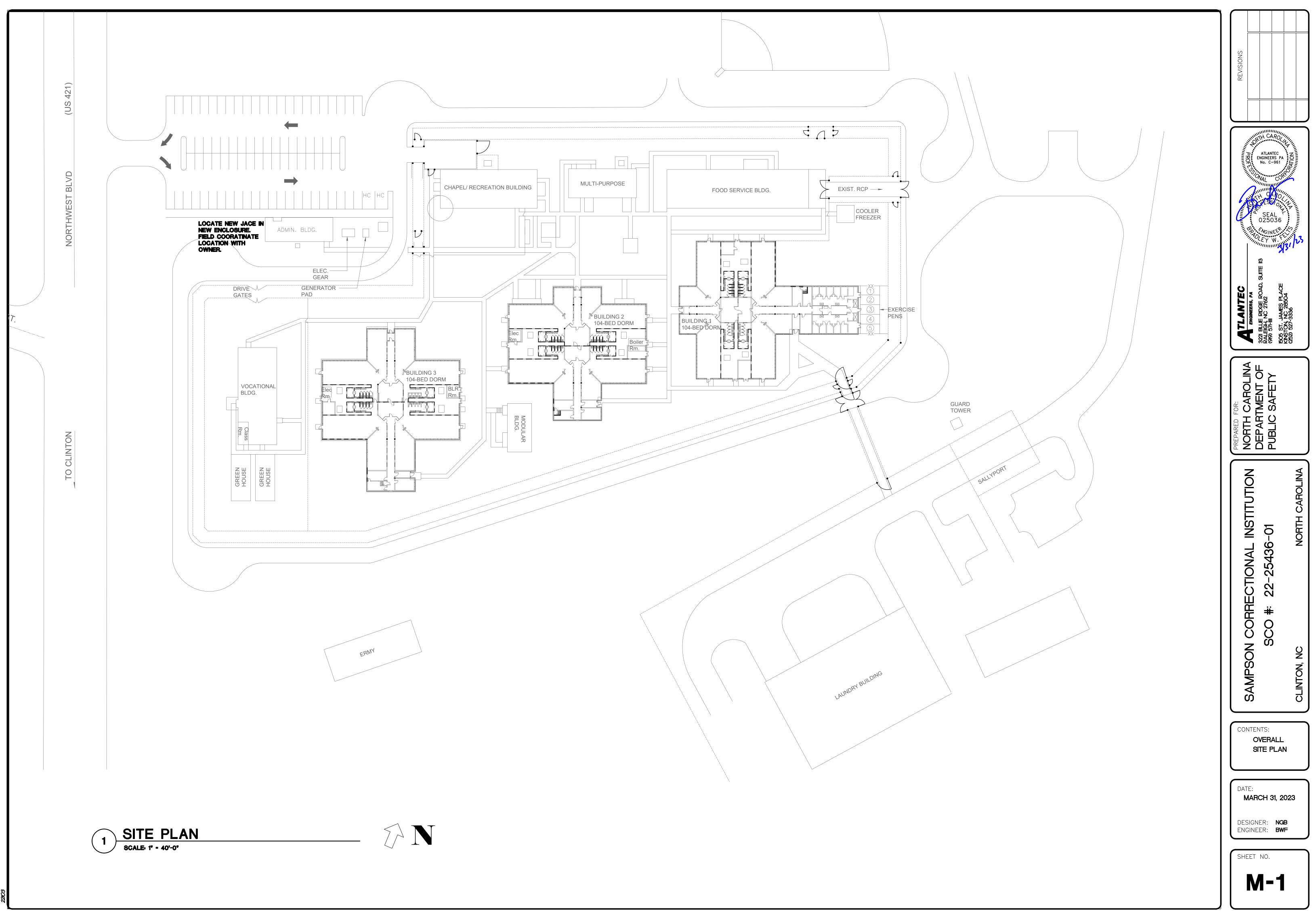
PROJECT ENGINEER

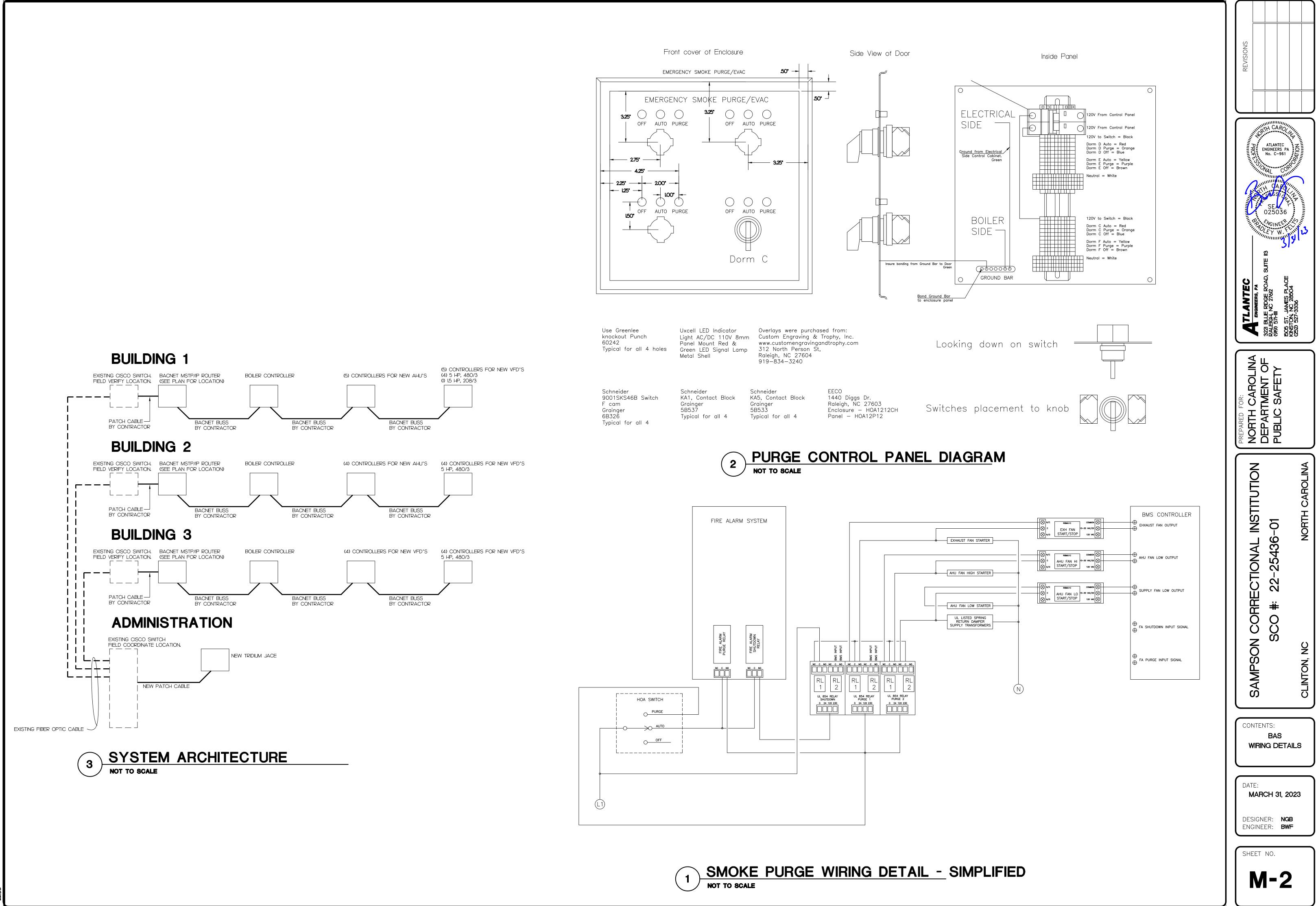
Bradley Felts, PE Atlatnec Engineers, PA 3221 Blue Ridge Road Suite II3, Raleigh, NC 27612 919-571-1111 brad®atlantecengineers.com SCO ID NUMBER: 22-25436-01

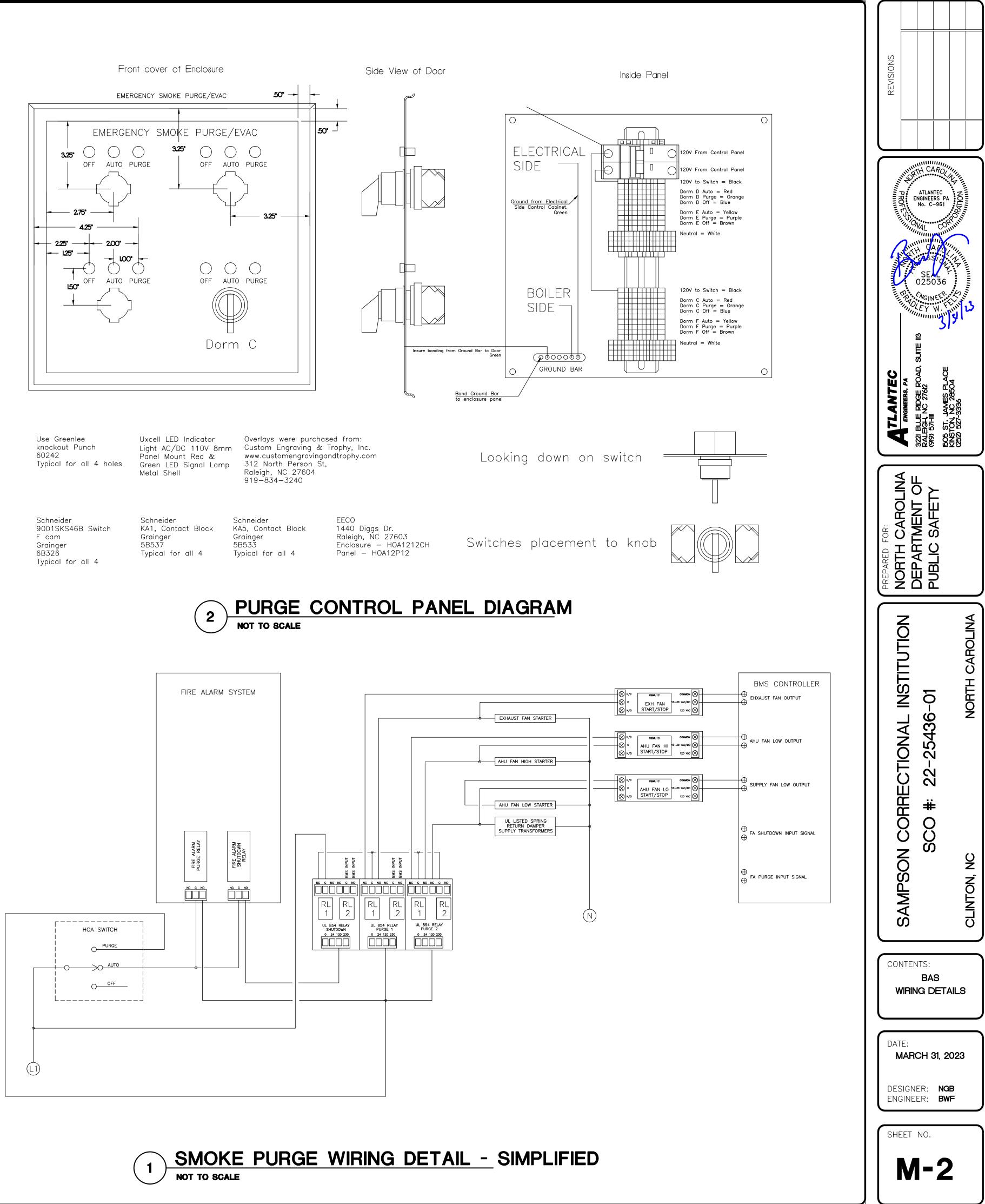
BID DOCUMENTS

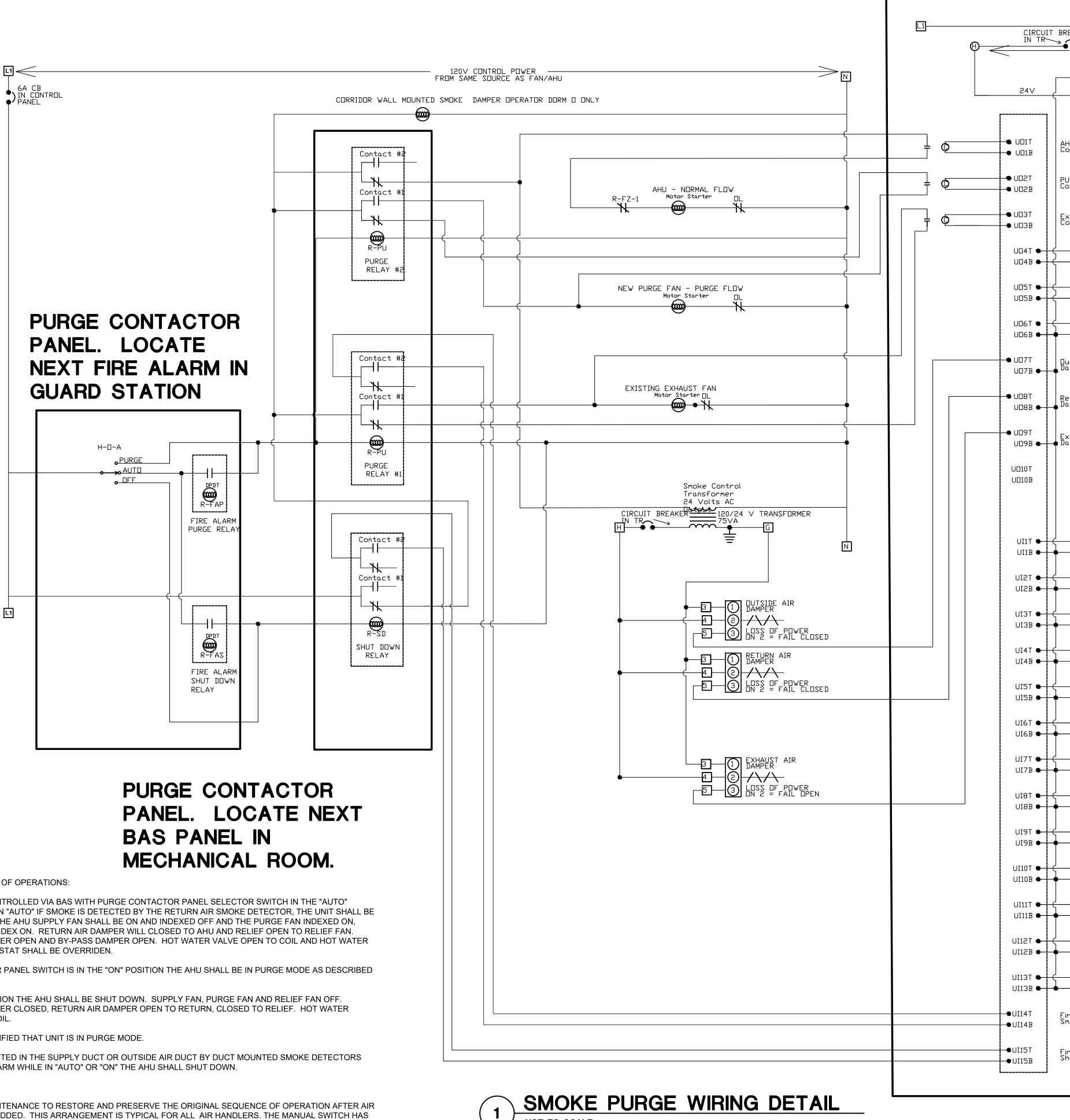
ACTS	CONTRACTOR RESPONSIBILITIES
	I. Contractor MUST visit job sites prior to submitting a bid. Bids submitted shall be considered verification of the contractor's knowledge of project conditions. The intent of the project as described herein (plans and/or specifications) is for the Contractor to provide the Owner with safe, code conforming, fully operational, and properly functioning equipment, systems and/or new construction as required to perform Owner's/User's task.
	 Contractor shall be responsible for the means, methods, techniques, sequences, procedures and material supply for construction and installation, verification of dimensions at the site, the verification of existence and location of utility services (underground and above ground), and the verification of quantities.
	3. The Contractor shall be responsible for scheduling all trades work in complete coordination with the owner. Contractor shall meet with the owner to discuss scheduling prior to construction. Contractor shall make accommodations to minimize disruption to activities.
	4. Contractor shall, wherever possible, adhere to the drawings and specifications. Any variation from the drawings and specifications shall be approved in writing by the Engineer before Contractor proceeds with work. In am emergency, oral approval from the Engineer is sufficient but this must be followed with written approval. No claim for adjustment to the contract price shall be valid unless the procedure is followed.
	5. Contractor shall, under no circumstance, make any alteration to the existing building structure or utilities that will in any way jeopardize the structural stability or interrupt the building's operation without prior written permission from the Engineer.
	6. Successful bidder on the project (prior to construction) shall submit cut sheets/shop drawings for approval by the designer, detailing the devices and equipment he proposes to use.
	7. Contractor shall be responsible for removal of all debris and waste materials of construction off site unless specit directed otherwise on the drawing or by the Engineer.
	8. Contractor shall be responsible for the acceptable closure and repair of all areas disturbed during construction, including, but not limited to, wall, floor, and ceiling penetrations, disturbed ceiling(s) and floor(s), fastening of support etc. Repair work shall utilize like materials where possible or materials compatible to the existing construction and shall restore the disturbed surface to original condition. Unless required otherwise, all repaired areas shall be finished to match adjacent existing surfaces, and exposed piping, duct work, conduit, and hanger assemblies shall be painted to match the existing features.
	9. Contractor shall consult with the Engineer prior to making any penetration or alteration of roof deck or existing roofing application, and shall obtain concurrence prior to, during, and upon completion of the work. All roof work must be performed by a licensed roof contractor and approved in writing by the Engineer. All damage to roof structure and waterproof membrane resulting from Contractor's activity shall be repaired (during the period of this contract, and as soon as possible) by the Contractor, at the expense of the Contractor in a manner to meet any and all warranty that may be in effect.
	10. Building Utility Shutdown - The contractor shall notify the owner 10 working days before any unavoidable utility shutdown is to occur. ULOCO requires 48 hours notice. These include but not limited to such utilities as electri domestic, water, sewer, HVAC system, etc. Contractor shall keep down time to an absolute minimum.
	II. Contractor shall notify the Engineer immediately upon encountering any suspected asbestos product. Any remova be coordinated through the Engineer's Office by approved contractors. The owner is not responsible for compe due to delays for asbestos removal.
	12. Contractor shall be responsible for the restoration of all landscape areas damaged during construction, including b limited to, lawn areas, plant beds, trees and shrubs, sidewalks, patios and courtyards. Damaged plant material shall replaced in kind. Any desire by contractor for pruning, removal of plant material, changes in tree protection, etc., described in the drawings must be approved by the Engineer prior to any such actions. The Contractor shall be r for the actions of his subcontractors with regard to protection of the landscape.
	13. Contractor shall be responsible for keeping all construction activity within the project limits and staging areas. Any in staging areas or site access must have prior approval by the Engineer. Parking is allowed in approved spaces No parking is allowed on lawn areas, sidewalks, or courtyards.
	14. Contractor shall bridge all access and staging areas including but not limited to brick paving, planting beds, grass sidewalks, curbs, etc. Contractor will provide bridging materials, min. 3/4"x 4'x 8' sheet plywood for up to 9,000 loads over 9,000 lbs. two layers of 3/4" sheet are required. An inspection of existing conditions will be made p installation and documented. It shall be the contractor's responsibility to return all damaged areas to preconstruc conditions at the completion of the project.
	15. Contractor is responsible for obtaining all permits and inspections and associated fees.
	l6. Contractor to provide 24 hour contact to responsible project manager during entire construction period and throug warranty period.
	17. The contractor shall provide fans to ventilate the welding fumes during construction. Welding will be allowed whe building is occupied.
	18, Contractor to provide proposed work schedule including numbers of personnel and expected hours of construction each day of construction. Schedule to be reviewed at pre-construction conference.











NOT TO SCALE

PURGE SEQUENCE OF OPERATIONS:

AHU SHALL BE CONTROLLED VIA BAS WITH PURGE CONTACTOR PANEL SELECTOR SWITCH IN THE "AUTO" POSITION. WHILE IN "AUTO" IF SMOKE IS DETECTED BY THE RETURN AIR SMOKE DETECTOR, THE UNIT SHALL BE IN PURGE MODE. THE AHU SUPPLY FAN SHALL BE ON AND INDEXED OFF AND THE PURGE FAN INDEXED ON, RELIEF FAN WILL INDEX ON. RETURN AIR DAMPER WILL CLOSED TO AHU AND RELIEF OPEN TO RELIEF FAN. OUTSIDE AIR DAMPER OPEN AND BY-PASS DAMPER OPEN. HOT WATER VALVE OPEN TO COIL AND HOT WATER PUMP ON. FREEZESTAT SHALL BE OVERRIDEN.

IF THE CONTACTOR PANEL SWITCH IS IN THE "ON" POSITION THE AHU SHALL BE IN PURGE MODE AS DESCRIBED ABOVE.

IN THE "OFF" POSITION THE AHU SHALL BE SHUT DOWN. SUPPLY FAN, PURGE FAN AND RELIEF FAN OFF. OUTSIDE AIR DAMPER CLOSED, RETURN AIR DAMPER OPEN TO RETURN, CLOSED TO RELIEF. HOT WATER VALVE OPEN TO COIL.

BAS SHALL BE NOTIFIED THAT UNIT IS IN PURGE MODE.

IF SMOKE IS DETECTED IN THE SUPPLY DUCT OR OUTSIDE AIR DUCT BY DUCT MOUNTED SMOKE DETECTORS THRU THE FIRE ALARM WHILE IN "AUTO" OR "ON" THE AHU SHALL SHUT DOWN.

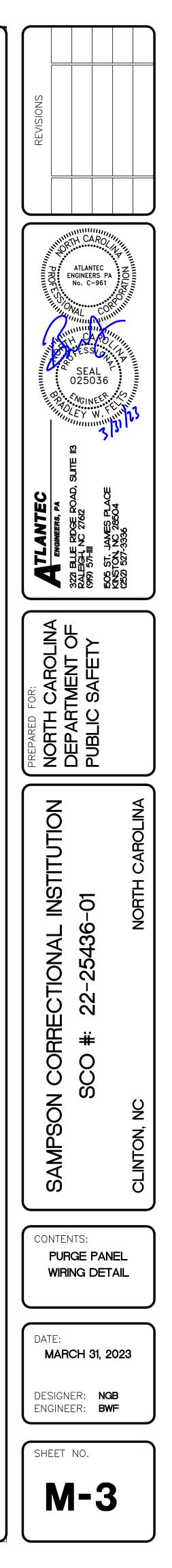
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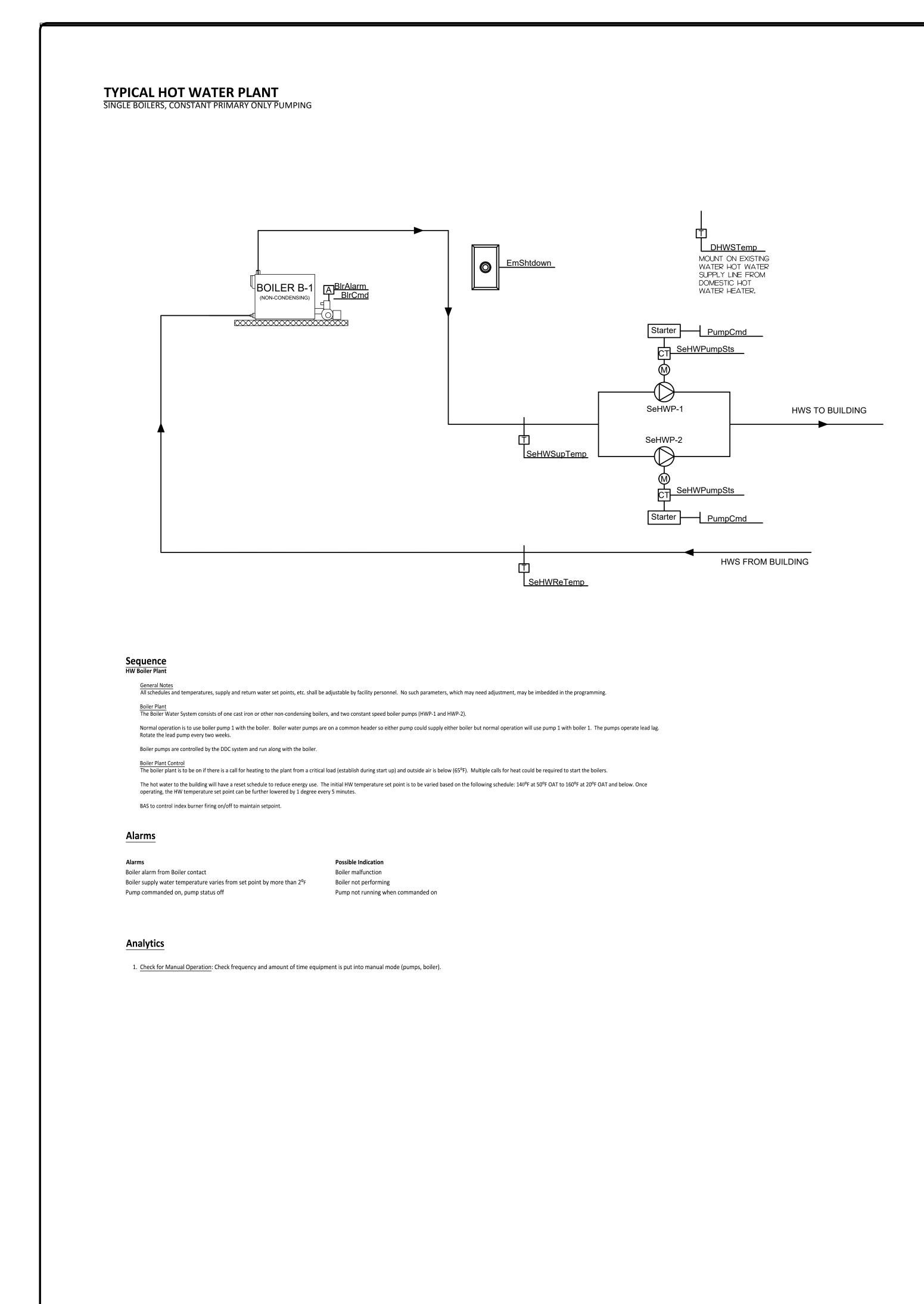
THIS WORK IS MAINTENANCE TO RESTORE AND PRESERVE THE ORIGINAL SEQUENCE OF OPERATION AFTER AIR CONDITIONING IS ADDED. THIS ARRANGEMENT IS TYPICAL FOR ALL AIR HANDLERS. THE MANUAL SWITCH HAS PRIORITY OVER THE AUTOMATIC FIRE ALARM PANEL RESPONSE. THE PURGE AND SHUT DOWN RELAYS ARE MR 201 UL 864 LISTED RELAYS BY AIR PRODUCTS INC. THE NEW DAMPER OPERATORS, BELIMO FSAFB24-SR, ARE UL 555S LISTED (WHEN INSTALLED ON A NEW SMOKE DAMPER) AND SPRING TO THE SMOKE PURGE POSITION BASED ON THEIR INSTALLATION ORIENTATION ON A LOSS OF 24 VAC POWER.

THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE ELECTRICAL CODE AND BE INSPECTED BY THE ELECTRICAL INSPECTOR PRIOR TO ACCEPTANCE. A FUNCTIONAL TEST WILL BE PERFORMED TO VERIFY THE SEQUENCE AT COMPLETION.

BAS PANEL. LOCATE IN MECHANICAL ROOM NEXT TO AHU.

ALL CUM ARE INTERCONNECTED ON VAGD BLOCKS Shapping Fan - NURHAL Stand Fan Shapping Fan - NURHAL Step Fan Shapping Cristing Cristing Cristing Stand Arr Stand Status Stand Arr Stand Status Stand Status	Transformer 24 Volts AC Dutput		N
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	and		
PX Looling Cnol STAGE2 Image: State of the s	ust Fan and		
PX Cooling Crick STAGE2 Side Air On Air Supply FAN STATUS On Exhaust F		DX Cooling Cm	d STAGE1
P Air P Air SUPPLY FAN STATUS FREEZESTAT SUPPLY FAN STATUS			
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	3	•	MIX AIR TEMPERATURE
SENSUR	2		SUPPLY AIR TEMPERATURE
	 _		
HEATING COIL LEAVING	5		AIR TEMPERATURE
CODLING COIL LEAVING	2	• •	COOLING COIL LEA∨ING AIR TEMPERATURE
Alarm «e Purge Status *Close on Purge*		<u> </u>	





Primary / Secondary Hot Water System AI AO Points Hot Water Supply Temperature x Hot Water Return Temperature x Emergency Shutdown Equipment Boiler Points AI AO Gas Meter Boiler Boiler Alarm Equipment Pump Points AI AO Boiler Pump Status Boiler Pump Start/Stop

Equipment

Alarms Boiler alarm from Boiler contact Boiler supply water temperature varies from set point by more than 2⁰F Pump commanded on, pump status off

SCOPE OF WORK:

BAS CONTRACTOR SHALL PROVIDE THE FOLLOWING:
1. NEW TEMPERATURE SENSORS IN EXISTING WELLS
2. ALL NEW WIRING IN EXISTING RACEWAYS
3. NEW CURRENT SENSORS FOR MOTORS
4. NEW GAS METER

EXISTING PUMP STARTERS AND BOILER INTERNAL CONTROLS TO BE REUSED.

			Equipment Name	EquipmentTags			
			N/A	dis, id, siteRef, equip, hotWaterPlant,			
			N/A				
D	I DC	VP	Point Name	Point Tags	Trending		
			PrHWSupTemp	primaryLoop, hot, water, leaving, temp, sensor	Int, 10min		
			PrHWReTemp	primaryLoop, hot, water, leaving, temp, sensor	Int, 10min		
x			EmShtdown		COV, 24hr		
			Equipment Name	EquipmentTags			
				dis, id, siteRef, equip, boiler			
Boiler B-#		Boiler B-#	atmospheric, condensing				
				oil, gas			
D	I DC	VP	Point Name	Point Tags	Trending		
Х			GasMeter	gas meter	COV, 24hr		
	X		BlrCmd	boiler, run, cmd	COV, 24hr		
x			BIrAlarm		COV, 24hr		
			Equipment Name	EquipmentTags			
				dis, id, siteRef, equip, pump,			
			BlrP-#, SeHWP-#	hot			
				primaryLoop, secondaryLoop			
D	I DC	VP	Point Name	Point Tags	Trending		
х			BlrPumpSts	pump, run, sensor	COV, 24hr		
	x		BlrPumpCmd	pump, run, cmd	COV, 24hr		

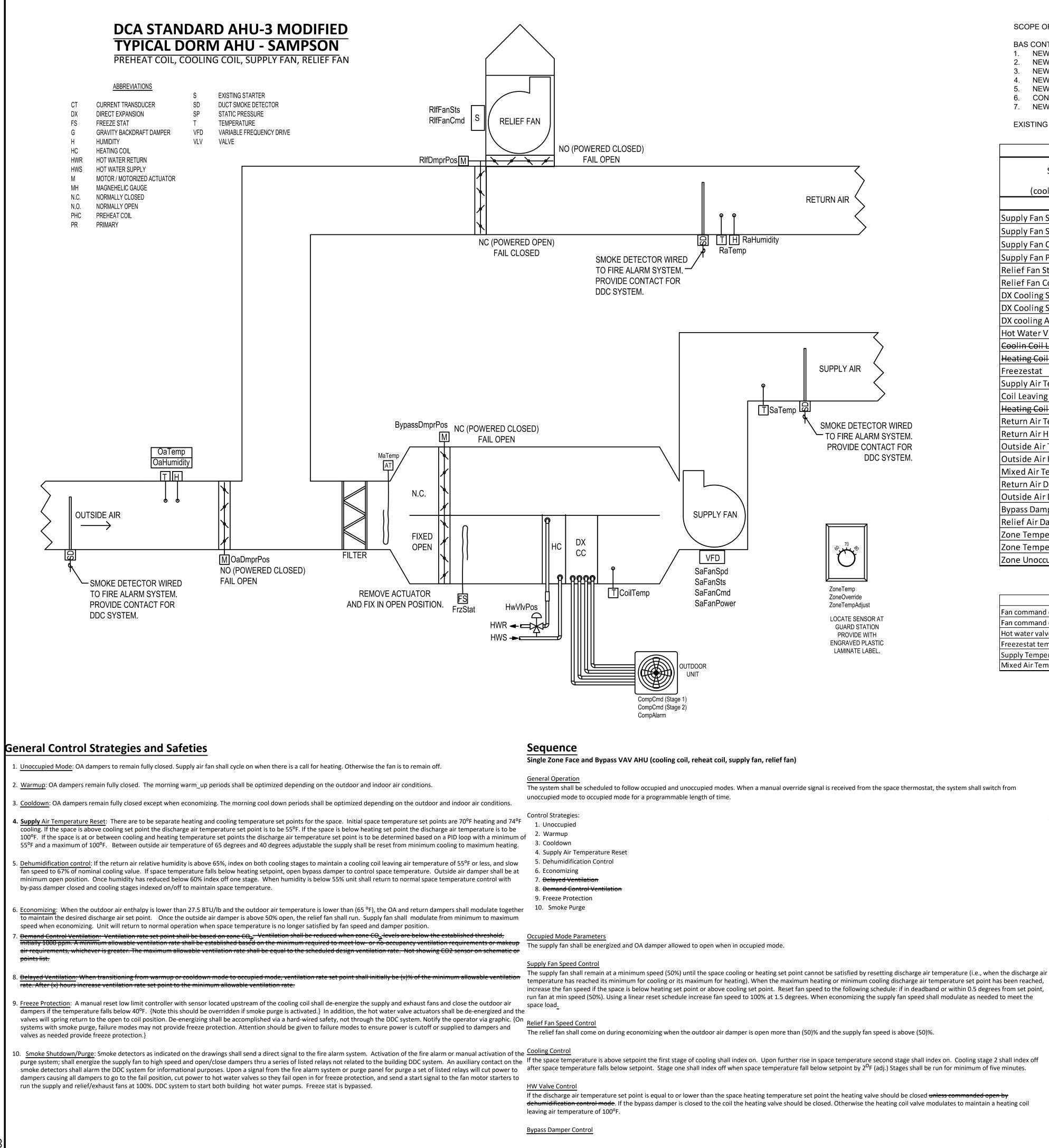
 Possible Indication

 Boiler malfunction

 Boiler not performing

 Pump not running when commanded on

REVISIONS					
	TESTING ON	NO. C-		KINSTON NC 28504	
PREPARED FOR:					
	Z				{ ◄
		CO #: 22-25436-01			NORTH CAROLINA
		SCO #: 22-25436-01			CLINTON, NC NORTH CAROLIN
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COM SC DAT M DES ENC		ITS: ILER MAT OUE	BA IC , NC 1, 2	S ANC E 023 B	CLINTON, NC NORTH CAROL



The system shall be scheduled to follow occupied and unoccupied modes. When a manual override signal is received from the space thermostat, the system shall switch from

temperature has reached its minimum for cooling or its maximum for heating). When the maximum heating or minimum cooling discharge air temperature set point has been reached, increase the fan speed if the space is below heating set point or above cooling set point. Reset fan speed to the following schedule: if in deadband or within 0.5 degrees from set point, run fan at min speed (50%). Using a linear reset schedule increase fan speed to 100% at 1.5 degrees. When economizing the supply fan speed shall modulate as needed to meet the

The relief fan shall come on during economizing when the outdoor air damper is open more than (50)% and the supply fan speed is above (50)%.

If the discharge air temperature set point is equal to or lower than the space heating temperature set point the heating valve should be closed unless commanded open by n control mode. If the bypass damper is closed to the coil the heating valve should be closed. Otherwise the heating coil valve modulates to maintain a heating coil

SCOPE OF WORK:

BAS CONTRACTOR SHALL PROVIDE THE FOLLOWING: NEW TEMPERATURE/HUMIDITY SENSORS

- NEW FREEZESTAT
- NEW MIXED AIR SENSOR NEW HOT WATER VALVE ACTUATOR
- NEW DAMPER ACTUATORS
- CONTROL WIRING TO NEW CONDENSING UNITS. NEW VARIABLE SPEED DRIVE FOR AHU SUPPLY FAN.

EXISTING RELIEF FAN CONTACTOR TO REMAIN.

Equipment Single Zone Face and Bypass VA (cooling coil, reheat coil, supply fan, Points Supply Fan Speed Supply Fan Status Supply Fan Command Supply Fan Power Relief Fan Status Relief Fan Command DX Cooling Stage 1 DX Cooling Stage 2 DX cooling Alarm Hot Water Valve Position Coolin Coil Leaving Water Temperature Heating Coil Leaving Water Temperature Freezestat Supply Air Temperature Coil Leaving Air Temperature Heating Coil Leaving Air Temperature Return Air Temperature Return Air Humidity Outside Air Temperature Outside Air Humidity Mixed Air Temperature Return Air Damper Position Outside Air Damper Position Bypass Damper Relief Air Damper Position Zone Temperature Zone Temperature Setpoint Adjust Zone Unoccupied Mode Override

Fan command on, fan speed zero Fan command on, fan status off Hot water valve position zero, discharge air tempera Freezestat temperature below set point Supply Temperature varies from set point by more t Mixed Air Temperature below 55°F

> The bypass damper is to modulate as needed to maintain the discharge air temperature set point in dehumidification mode. When in full economizing (dx off) the bypass damper should be 50% open to the coil and the bypass to reduce pressure drop.

Outdoor Air, Return air, and Relief Air Damper Control The outdoor air damper shall modulate based on supply fan speed. At minimum supply fan speed the OA damper should be at its maximum open position for ventilation. At maximum supply fan speed the OA damper should be at its minimum position. The minimum and maximum OA damper positions shall be determined during TAB. The return air and relief air dampers shall track the OA damper based on relationships established during TAB. At the minimum ventilation rate set point the relief air damper should be closed.

Failure Modes

Safeties Safeties override all other control modes/strategies

Safeties:

1. Smoke Shutdown/Purge 2. Freeze Protection

System Balancing and Setur

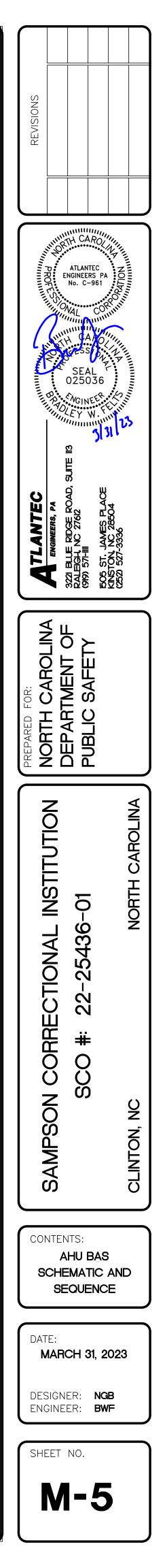
and purge.

					Equipment Name	EquipmentTags				
AV	AHL	J				dis, id, siteRef, equip, hvac, ahu hotWaterHeat, chilledWaterCool				
۱ <i>,</i> r	elief	fan)			directZone, singleDuct, faceBypas	s, variableVolume			
AI	AO	DI	DO	VP	Point Name	Point Tags	Trending			
	x				SaFanSpd	discharge, air, fan, speed, cmd	Int, 10min			
		х			SaFanSts	discharge, air, fan, run, sensor	COV, 24			
			х		SaFanCmd	discharge, air, fan, run, cmd	COV, 24			
х					SaFanPower	discharge, air, fan, power, sensor	Int, 10min			
		х			RlfFanSts	relief, air, fan, run, sensor	COV, 24			
			х		RlfFanCmd	relief, air, fan, run, cmd	COV, 24			
			Х		DxClgStage1	dx, chilled water, run, cmd	Int, 10min			
			Х		DxClgStage2	dx, chilled water, run, cmd	Int, 10min			
		Х			DxCompAlarm	dx, status	COV, 24			
	х				HWVlvPos	hot, water, valve, cmd	Int, 10min			
×					CCLWTemp	chilled, water, temp, sensor	Int, 10min			
×					HCLWTemp	hot, water, temp, sensor	Int, 10min			
х					FrzStat	freezeStat	COV, 24			
х					SaTemp	discharge, air, temp, sensor	Int, 10min			
х					CLATemp	air, temp, sensor	Int, 10min			
×					HCLATemp	air, temp, sensor	Int, 10min			
х					RaTemp	return, air, temp, sensor	Int, 10min			
х					RaHumidity	return, air, humid, sensor	Int, 10min			
х					OaTemp	outside, air, temp, sensor	Int, 10min			
х					OaHumidity	outside, air, humidity, sensor	Int, 10min			
х					MaTemp	mixed, air, temp, sensor	Int, 10min			
	х				RaDmprPos	return, air, damper, cmd	Int, 10min			
	х				OaDmprPos	outside, air, damper, cmd	Int, 10min			
	х				BypassDmprPos	Bypass, air, damper, cmd	Int <i>,</i> 10min			
	х				RlfDmprPos	relief, air, damper, cmd	Int <i>,</i> 10min			
х					ZoneTemp	zone, air, temperature, sensor	Int, 10min			
	х				ZoneTempAdjust	zone, air, temperature, cmd	Int, 10min			
			х		ZoneOverride	zone, air, temperature, cmd	COV, 24			

arms	Indication
	Fan not running when commanded on
	Fan not running when commanded on
ature > mixed air temperature	Preheat valve malfunction
	Cooling coil at risk of freezing
than 3ºF	Bypass damper malfunction, or heating/cooling valve malfunction
	Damper malfunction

HW valve fail open; OA damper fail open; RA damper fail closed; Relief damper fail open.

The minimum OA damper position for ventilation shall be determined when the supply fan is operating at normal speed with by-pass damper closed. The maximum OA damper position for ventilation shall be determined when the supply fan is operating at normal speed. Supply fan speeds shall be set at VFD for heating, cooling stage 1, cooling stage 2, dehumidification



2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS	Special Uses: [] 402 🗆 403 🗖		LOWABLE AF			410 🗆 411	🗆 41
(EXCEPT 1 AND 2 FAMILY DWELLINGS AND TOWNHOUSES)		413 414	415 41	6 417 4				
Name of Project: SAMPSON CORRECTIONAL INSTITUTION Address: 421 NW BOULEVARD, CLINTON, NC – BUILDING 1 Zip Code 28328	L Special Provision	424 425 		7 5 🗆 509.4 🛛] 509.5 🔲 5	509.6 🗆 509	9.7 🗆 5093	8 🗆 5
Proposed Use: PRISON DORMITORIES	Mixed Occupancy			Separation:				
Owner or Auth. Agent: TAYLOR OLDHAM Phone # 919-324-1272 Email taylor.oldham@ncdps.gov Owned By: City/County Private State		ental Use Separati		•	nı.	Except		
Code Enforcement Jurisdiction: □City □County 집State	This	separation is not	exempt as		ed Use (see	exceptions)).	
LEAD DESIGN PROFESSIONAL: BRADLEY W. FELTS, PE	The	eparated Use (50) required type of c	construction	for the buildir	ng shall be a	determined	by applying	, the he
DESIGNER FIRM NAME LICENSE # TELEPHONE # EMAIL Architectural	and restri	area limitations fo ictive type of cons	or each of struction, s	the applicable o determined s	occupancies shall apply to	to the enti the entire	tire building. building.	. The
Civil	🗆 Sepa	rated Use (508.3 pancy shall be su	8.3) - 8	ee below for a	irea calculatio	ons For eac	ch story, th	ne area
Fire Alarm	occu divide	pancy shall be su ed by the allowabl	ch that the e floor are	e sum of the r a for each use	ratios of the e shall not e	actual floo exceed 1.	or area of e	each us
Mechanical ATLANTEC ENG B. FELTS 025036 919.571.1111 Brad@atLantecenigineers.com SprStand.		f Occupancy A of Occupancy A	+ Act	ual Area of Occ able Area of Oc	cupancy B	<u>≤</u> 1		
Structural	N		+	N/A		+ =	N/A	<u>≤</u> 1.
Other					_	_		
2018 EDITION OF NC CODE FOR: New Construction Addition Renovation		DESCRIPTION	(A) BLDG. AREA	(B) TABLE 503 ⁵	(C) AREA FOR	(D) AREA FOR	(E) R ALLOWA	
☐ 1st Time Interior Completion ☐ Shell/Core — Contact the local inspection jurisdiction for possible	STORY NO.	AND USE	PER STORY (ACTUAL)		OPEN SPACE INCREASE ^{1,6}	SPRINKLER	R AREA (
additional procedures & requirements	4th Floor							
Phased Construction – Contact the local inspection jurisdiction for possible additional procedures & requirements	3rd Floor 2nd Floor							
2018 NC EXISTING BUILDING CODE: Prescriptive Repair Chapter 14 ALTERATION: Level I Level II Level II	1st Floor							-
Historic Property Change of Use								
CONSTRUCTED: <u>1989</u> ORIGINAL OCCUPANCY(S) (Ch. 3): <u>PRISON_DORMITORY</u> RENOVATED: CURRENT OCCUPANCY(S) (Ch. 3): <u>PRISON_DORMITORY</u>	•	increases from Sec which fronts a pub		•		imum width :	=	
PROPOSED OCCUPANCY(S) (Ch. 3): PRISON DORMITORY	c. Ratio (F/	ding Perimeter = P) =	(F/P)					
RISK CATEGORY (Table 1604.5): CURRENT: I I I I I I I I I I I I I I I R PROPOSED: I I I I I I I I I I I I I	e. Percent o	mum width of public f frontage increase	l _f = 100 [F/P - 0.25] × V	•••		(%)	
BUILDING DATA	a. Multi-stor	ncrease per section y building $l_8 = N/A$		follows:				
Construction Type: II-A III-A III-A IV V-A I-B II-B III-B III-B V-B	3. Unlimited area	ry building I _B = N/A applicable under co ing Area = total nu	nditions of		ina y E (506 2	2)		
Sprinklers: Sprinklers: Sprinklers: Sprinklers:	5. The maximum	area of open parkir must comply with 1	ng garages i	nust comply with		•	num area of	air traf
Standpipes: XNo Yes Class I III III Vet Dry Fire District: XNo Yes Flood Hazard Area: No Yes	6. Frontage increa	ase is based on the	unsprinkler	ed area value in	Table 506.2.			
Special Instructions Required: 🖾 No 🛛 🔲 Yes (Contact the local inspection jurisdiction for			ALI	OWABLE HEI	IGHT			
Building Height: <u>16'-0"</u> Feet additional procedures and requirements.) Gross Building Area:		ALLOW/ (TABLE		INCREASE FOR S	SPRINKLERS	SHOWN ON	PLANS	COD REFERE
FLOOR EXISTING (SQ FT) NEW (SQ FT) SUB-TOTAL	Type of Construct				_	Туре		
7th Floor 6th Floor	Building Height in (Table 504.3)	Feet 75'	-0"	Feet=H+20'=	N/A	16'–	-0"	504
5th Floor 4th Floor	Building Height in	Stories	L	Stories+1=	N/A	1 SIG	ØRY	504
3rd Floor 2nd Floor								
1st Floor 12,383 SQFT			FIRE PRO	TECTION REC	QUIREMENT	S		i
DUNATURU -		555		DATING				
Basement TOTAL 12,383 SQFT	BUILDING ELEMENT	FIRE SEPARATIO DISTANCE (FFFT)	N REQ'D	RATING PROVIDED	DETAIL# AND * SHEET#	DESIGN# FOR RATED	DESIGN# FOR RATED	FOR
TOTAL 12,383 SQFT ALLOWABLE AREA		DISTANCE (FEET)	REQ'D	/		RATED	FOR	FOR
TOTAL 12,383 SQFT ALLOWABLE AREA Occupancy: Assembly A-1 A-3 A-4 A-5	BUILDING ELEMENT Structural frame, in columns, girders, t	DISTANCE (FEET) ncluding russes N/A	REQ'D	PROVIDED (W/	* Sheet#	RATED ASSEMBLY F	FOR RATED PENETRATION	FOR RATEL JOINT
TOTAL 12,383 SQFT ALLOWABLE AREA Occupancy: A=1 A=2 A=3 A=4 A=5 Business I	Structural frame, in	DISTANCE (FEET)	REQ'D	PROVIDED (W/	AND * SHEET#	RATED ASSEMBLY F	FOR RATED PENETRATION	FOR RATEL JOINT
12,383 SQFT ALLOWABLE AREA Occupancy: Assembly A-1 A-2 A-3 A-4 A-5 Business Business Business Business Factory F-1 Moderate F-2 Low	Structural frame, in columns, girders, t Bearing walls	DISTANCE (FEET) ncluding russes N/A >30' >30' >30'	0 HR 0 HR 0 HR 0 HR	PROVIDED (W/	AND SHEET# N/A N/A N/A N/A	RATED ASSEMBLY F N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	FOR RATEL JOINT N/A N/A N/A
12,383 SQFT ALLOWABLE AREA Occupancy: Assembly A-1 A-2 A-4 A-5 Business Educational	Structural frame, in columns, girders, t Bearing walls Exterior North East West	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30'	REQ'D 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A	FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A	FOR RATEL JOINT N/# N/# N/# N/# N/#
12,383 SQFT ALLOWABLE AREA Occupancy: Assembly $A-1$ $A-2$ $A-3$ $A-4$ $A-5$ Business \Box $Educational$ \Box $F-1$ Moderate $F-2$ Low Hazardous $H-1$ Detonate $H-2$ Deflagrate $H-3$ Combust $H-4$ Health $H-5$ HPM Institutional $I-1$ $I-2$ \Box $I-3$ $I-4$ $I-4$ $I-3$ $Ordition$ I \Box \Box \Box \Box \Box	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' >30'	REQ'D 0 HR 0 HR 0 HR 0 HR 0 HR	PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	AND SHEET# N/A N/A N/A N/A N/A	RATED ASSEMBLY F N/A N/A N/A N/A N/A	FOR RATED PENETRATION N/A N/A N/A N/A	FOR RATEL JOINT: N/# N/# N/# N/# N/# N/#
TOTAL 12,383 SQFT ALLOWABLE AREA Occupancy: Assembly A-1 A-2 A-4 A-5 Business Business Educational F-1 Moderate F-2 Low Hazardous H-1 Deflagrate H-3 IH-4 Hazardous IH-1 Deflagrate IH-3 IH-4 IH-3 IH-4 Hazardous IH-1 Deflagrate IH-3 IH-4 Institutional IH-1 IH-2 IH-3 IH-4 Institutional IH-1 IH-2 IH-3 IH-4 I-3 Condition 1 IM IM S Mercantile IH-1 IM IM IM IM IM <th< td=""><td>Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions</td><td>DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' N/A nd N/A</td><td>REQ'D000</td><td>PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR</td><td> AND SHEET# N/A </td><td>RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A</td><td>FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A</td><td>FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A</td></th<>	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' N/A nd N/A	REQ'D000	PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	 AND SHEET# N/A 	RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A	FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A	FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A
12,383 SQFT ALLOWABLE AREA Occupancy: Assembly $A-1$ $A-2$ $A-3$ $A-4$ $A-5$ Business \Box \Box \Box \Box \Box \Box Educational \Box \Box \Box \Box \Box \Box \Box Factory $F-1$ Moderate $F-2$ Low \Box \Box \Box \Box \Box Hazardous \Box \Box \Box \Box \Box \Box \Box Institutional \Box \Box \Box \Box \Box \Box Institutional \Box \Box \Box \Box \Box \Box Institutional \Box \Box \Box \Box \Box \Box Mercantile \Box \Box \Box \Box \Box \Box \Box Residential $R-1$ $R-2$ $R-3$ $R-4$ \Box \Box Storage \Box \Box \Box \Box \Box \Box \Box <	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' N/A nd N/A N/A N/A	REQ'D 0 HR	PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	 AND SHEET# N/A 	RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PENETRATION PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A N/A N/A
12,383 SQFT ALLOWABLE AREA Occupancy: Assembly $A-1$ $A-2$ $A-3$ $A-4$ $A-5$ Business \Box \Box \Box \Box \Box Educational \Box \Box \Box \Box \Box Factory $F-1$ Moderate $F-2$ Low \Box \Box \Box Hazardous \Box \Box \Box \Box \Box \Box Institutional \Box \Box \Box \Box \Box \Box Mercantile \Box \Box \Box \Box \Box \Box \Box Residential $R-1$ \Box $R-2$ \Box $R-4$ \Box \Box Storage \Box \Box \Box \Box	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' N/A nd N/A N/A	REQ'D 0 HR	PROVIDED (W	 AND SHEET# N/A 	RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
12,383 SQFT ALLOWABLE AREA Occupancy: Assembly A-1 A-2 A-3 A-4 A-5 Business	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' N/A N/A N/A N/A N/A N/A N/A N/A	REQ'D 0 HR	PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	 AND SHEET# N/A 	RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
I2,383 SQFT ALLOWABLE AREA Occupancy: Assembly A-1 A-2 A-3 A-4 A-5 Business	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and Interior walls and Floor construction	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' N/A N/A N/A N/A N/A N/A N/A N/A N/A	REQ'D 0 HR	PROVIDED (W/	AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
TOTAL 12,383 SOFT ALLOWABLE AREA Occupancy: Assembly A-1 A-2 A-3 A-4 A-5 Business	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' N/A N/A N/A N/A N/A N/A N/A N/A N/A	REQ'D 0 HR	PROVIDED (W	 AND SHEET# N/A 	RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
TOTAL 12,383 SQFT ALLOWABLE AREA Occupancy: Assembly A-1 A-2 A-3 A-4 A-5 Business	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and Floor construction Including supporting and joists Roof construction Including supporting	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' >30'	REQ'D 0 HR	PROVIDED (W/	AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
12,383: SOFT ALLOWABLE AREA Occupancy: Assembly A-1 A-2 A-3 A-4 A-5 Business	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and p Floor construction Including supporting and joists Roof construction	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	REQ'D 0 HR	PROVIDED (W/REDUCTION) 0 HR 0 HR	 AND SHEET# N/A 	RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
12,383_SQFT ALLOWABLE AREA Occupancy: A=-1 A=-2 A=-3 A=-4 A=-5 Business Businesi Businesi Businesi <td< td=""><td>Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and Floor construction Including supporting and joists</td><td>DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' >30'</td><td>REQ'D 0 HR 0 HR</td><td>PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR</td><td> AND SHEET# N/A </td><td>RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td><td>FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td><td>FOR RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td></td<>	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and Floor construction Including supporting and joists	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' >30'	REQ'D 0 HR	PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	 AND SHEET# N/A 	RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
IDTAL 12,383 SOFT ALLOWABLE AREA Occupancy: Assembly A-1 A-2 A-3 A-4 A-5 Business	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and p Floor construction Including supporting and joists Roof construction Including supporting and joists Roof Ceiling Assem Columns Supporting Shaft Enclosures – Shaft Enclosures	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' >30'	REQ'D 0 HR 0	PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	 AND SHEET# N/A 	RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
ALLOWABLE AREA Occupancy: Assembly A-1 A-2 A-3 A-4 A-5 Business	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and partitions Exterior North East West South Interior walls and partitions Floor construction Including supporting and joists Roof construction Including supporting and joists Roof Ceiling Assem Columns Supporting Shaft Enclosures – Shaft Enclosures – Corridor Separation	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' >30'	REQ'D 0 HR 0	PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	 AND SHEET# N/A 	RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT N/# N/# N/# N/# N/# N/# N/# N/# N/# N/#
IDTAL 12,383 SQFT ALLOWABLE AREA Occupancy: Assembly A-1 A-2 Assembly A-1 A-2 Business Educational F-1 Moderate F-2 Low Hazardous Hazardous Hazardous H-1 Definition Hazardous Holderate F-1 Moderate H-2 III Detonate H-2 IIII Detonate H-2 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and Floor construction Including supporting and joists Roof construction Including supporting and joists Roof Ceiling Assem Columns Supporting Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Other Corridor Separation Occupancy/Fire Wall Sep	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	REQ'D 0 HR 0	PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	 AND SHEET# N/A 	RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	FOR MATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
DTAL 12,383 SQFT ALLOWABLE AREA Occupancy: Assembly A-1 A-2 Business Educational Fortary F-1 Moderate F-2 Low Hazardous H-1 Detonate H-2 Deflograte H-3 IH-4 I-3 IH-4 I-3 IH-4 I-3 IH-4 I-3 IH-4 I-3 IH-4 I-3 IH-4 I-4 IS Accessory Occupancies: Accessory Occupancies: Assembly IH-1 IH-2 IH-4 IA-2 IA-3 IH-1 IH-2 IH-1 IH-2 IH-1 IH-2 IH-1	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and p Floor construction Including supporting and joists Roof construction Including supporting and joists Roof Ceiling Assem Columns Supporting Shaft Enclosures – Shaft Enclosures – Other Corridor Separation Party/Fire Wall Sep Smoke Barrier Sep Tenant/Dwelling Un	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	REQ'D 0 HR 0	PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	 AND SHEET# N/A 	RATED ASSEMBLY F N/A N/A	FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
IDTAL 12,383 SQFT ALLOWABLE AREA Occupancy: Assembly A-1 A-2 A-3 A-4 A-5 Business Educational F-1 Moderate [F-2 Low Hazardous H-1 Deflograte H-3 Combust H-4 Health H-5 HPM Institutional D-1 D-2 D-3 D-4 D-5 Moderate F-2 Low Hazardous R-1 R-2 R-3 R-4 Storage Dopen Enclosed Repair Garage Utility and Misc. Accessory Occupancies: A-2 A-3 A-4 A-5 Business B Educational F-1 Deflograte H-3 Combust H-4 Health H-5 HPM Institutional D-1 D-2 D-3 D-4 D-5 Business D D D D D D D D D D D <	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and partitions Exterior North East West South Interior walls and partitions Floor construction Including supporting and joists Roof construction Including supporting and joists Roof Ceiling Assem Columns Supporting Shaft Enclosures – Other Corridor Separation Occupancy/Fire Barrier Separation Party/Fire Wall Sep Smoke Barrier Separation	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' >30'	REQ'D 0 HR 0	PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	 AND SHEET# N/A 	RATED ASSEMBLY F N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	FOR MATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
TOTAL 12,383 SQFT ALLOWABLE AREA Occuponcy: Assembly A-1 Business Educational Factory F-1 Moderate F-2 Low Hazardous H-1 Detonto H-3 Gatory F-1 Moderate F-2 Low Hazardous H-1 Detonate H-2 QL-3 L-4 -5 H-5 Mercontile Residential R-1 R-1 R-2 R-3 R-4 Storage S-1 Mercontile Repair Garage Utility and Misc. Repair Garage Utility and Misc. A-4 Accessory Cocupancies: Assembly A-1 A-2 A-3 A-4 A-5 Business Educational Factory F-1 Hoderate F-2 Hazardous H-1 Detonte	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and partitions Exterior North East West South Interior walls and partitions Floor construction Including supporting and joists Roof construction Including supporting and joists Roof Ceiling Assem Columns Supporting Shaft Enclosures – Other Corridor Separation Occupancy/Fire Barrier Separation Party/Fire Wall Sep Smoke Barrier Separation	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' >30'	REQ'D 0 HR N/A	PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	AND SHEET# N/A N/A <	RATED ASSEMBLY F N/A N/A N/A N/A	FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
TOTAL 12,383 SQFT Occupancy: ALLOWABLE AREA Occupancy: A=1 Assembly A=1 Business Business Educational Factory Factory F-1 Moderate Factory F-1 Moderate H=2 Deflograte H=3 Combust H=4 H=5 H=7 Condition H=1 Detonate H=2 I=3 H=4 H=5 H=7 Condition H=1 Detonate H=2 I=3 H=4 I=5 Mercantile Residential R=1 R=2 R=3 R=4 Storage Sorage Open Enclosed Repair Garage Utility and Misc. Educational F=1 Residential R=1 Pactory F=1 Moderate F=2 Low Haradous H=1 Pactory F=1 Moderate F=2 Low	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and partitions Exterior North East West South Interior walls and partitions Floor construction Including supporting and joists Roof construction Including supporting and joists Roof Ceiling Assem Columns Supporting Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Other Corridor Separation Occupancy/Fire Barrier Separation Party/Fire Wall Sep Smoke Barrier Sep Tenant/Dwelling Un Sleeping Unit Separation Incidental Use Separation	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' N/A N/A N/A N/A N/A N/A N/A N/A	REQ'D 0 N/A N/A N/A N/A N/A N/A N/A N/A <td>PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR</td> <td>AND SHEET# N/A N/A <</td> <td>RATED ASSEMBLY F N/A N/A N/A N/A </td> <td>FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td> <td>FOR RATEL JOINT N/# N/# N/# N/# N/# N/# N/# N/# N/# N/#</td>	PROVIDED (W/REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	AND SHEET# N/A N/A <	RATED ASSEMBLY F N/A N/A N/A N/A	FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT N/# N/# N/# N/# N/# N/# N/# N/# N/# N/#
TOTAL 12.383 SQFT Occupancy: ALLOWABLE AREA Business	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interfor Nonbearing walls a partitions Exterior North East West South Interior walls and p Floor construction Including supporting and joists Roof construction Including supporting and joists Roof Ceiling Assem Columns Supporting and joists Roof Ceiling Assem Columns Supporting Shaft Enclosures - Other Corridor Separation Darty/Fire Wall Sep Smoke Barrier Separation Party/Fire Wall Separation Party Fire Wall Separation Party F	DISTANCE (FEET) ncluding russes N/A 30' 30' 30' 30' 30' 30' 30' 30'	REQ*D 0 N/A N/A N/A N/A N/A N/A N/A N/A <td>PROVIDED (W/REDUCTION) 0 HR 0 HR</td> <td> AND SHEET# N/A </td> <td>RATED ASSEMBLY F N/A N/A N/A N/A</td> <td>FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td> <td>FOR RATEL JOINT N// N// N// N// N// N// N// N// N// N</td>	PROVIDED (W/REDUCTION) 0 HR 0 HR	 AND SHEET# N/A 	RATED ASSEMBLY F N/A N/A	FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT N// N// N// N// N// N// N// N// N// N
TOTAL 12.383 SQFT Occupancy: ALLOWABLE AREA Business	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and partitions Exterior North East West South Interior walls and partitions Roof construction Including supporting and joists Roof construction Including supporting and joists Roof Ceiling Assem Columns Supporting Shaft Enclosures Other Corridor Separation Occupancy/Fire Barrier Separation Party/Fire Wall Sep Smoke Barrier Sep Tenant/Dwelling Un Sleeping Unit Separation Incidental Use Sept *Indicate section n	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' >30' >30' >30' N/A N/A N/A N/A N/A N/A N/A N/A	REQ*D 0 N/A N/A N/A N/A N/A N/A N/A N/A <td>PROVIDED (W/REDUCTION) REDUCTION) 0 HR 0 HR</td> <td>AND SHEET# N/A N/A <</td> <td>RATED ASSEMBLY F N/A N/A N/A N/A</td> <td>FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td> <td>FOR RATEL JOINT N// N// N// N// N// N// N// N// N// N</td>	PROVIDED (W/REDUCTION) REDUCTION) 0 HR 0 HR	AND SHEET# N/A N/A <	RATED ASSEMBLY F N/A N/A	FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT N// N// N// N// N// N// N// N// N// N
TOTAL 12,383 SOFT ALLOWABLE AREA Occupancy: ALLOWABLE AREA Business Business Educational Factory Factory F-1 Moderate Full Defonate H-2 Law Structure H-3 Accountion I-1 Hazardous H-1 Definitional I-1 Hazardous H-1 Definitional I-2 Mercantile Residential Residential R-1 Residential R-1 Residential R-1 Residential R-1 Residential R-2 Depen Enclosed Residential R-1 Residential R-2 Accessory Occupancies: Accessory Occupancies: Accessory Cocupancies: Accessory Cocupancies Business I Educational I Educational I Isotroge Isotroge Isotroge Isotrog	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and Floor construction Including supporting and joists Roof construction Including supporting and joists Roof construction Including supporting and joists Roof Ceiling Assem Columns Supporting Shaft Enclosures – Shaft Enclosures – Other Corridor Separation Occupancy/Fire Barrier Separation Party/Fire Wall Sep Smoke Barrier Sep Tenant/Dwelling Un Sleeping Unit Sepa Incidental Use Sep *Indicate section n	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' >30' >30' N/A N/A N/A N/A N/A N/A N/A N/A	REQ*D 0 N/A N/A N/A N/A N/A N/A N/A N/A <td>PROVIDED (W_REDUCTION) 0 HR 0 HR</td> <td> AND SHEET# N/A </td> <td>RATED ASSEMBLY F N/A N/A N/A N/A</td> <td>FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td> <td>FOR RATEL JOINT N// N// N// N// N// N// N// N// N// N</td>	PROVIDED (W_REDUCTION) 0 HR 0 HR	 AND SHEET# N/A 	RATED ASSEMBLY F N/A N/A	FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT N// N// N// N// N// N// N// N// N// N
ALLOWABLE AREA Cocupancy: ALLOWABLE AREA Assembly Business	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and partitions Exterior North East West South Interior walls and p Floor construction Including supporting and joists Roof construction Including supporting and joists Roof construction Including supporting and joists Roof Ceiling Assem Columns Supporting Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Other Corridor Separation Occupancy/Fire Barrier Separation Party/Fire Wall Sep Smoke Barrier Sep Tenant/Dwelling Un Sleeping Unit Separ Incidental Use Separ Incidental Use Separation Emergency Ligh Exit Signs: Fire Alarm: Smoke Detection Panic Hardware	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' >30' >30' N/A N/A N/A N/A N/A N/A N/A N/A	REQ'D 0 N/A N/A N/A N/A N/A N/A N/A N/A <td>PROVIDED (W_REDUCTION) 0 HR 0 HR</td> <td>AND SHEET# N/A N/A</td> <td>RATED ASSEMBLY F N/A N/A N/A N/A</td> <td>FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td> <td>FOR RATEL JOINT N/# N/# N/# N/# N/# N/# N/# N/# N/# N/#</td>	PROVIDED (W_REDUCTION) 0 HR 0 HR	AND SHEET# N/A	RATED ASSEMBLY F N/A N/A	FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT N/# N/# N/# N/# N/# N/# N/# N/# N/# N/#
TOTAL 12,333 SQFT Occupancy: ALLOWABLE AREA Assembly A-1 A-2 A-3 A-4 A-5 Business Business Business Business Business Business Educational F-1 Moderate F-2 Low H-4 H-61th H-5 HPM Heativitional H-1 Business H-4 H-5 HPM Heativitional H-1 B-2 B-3 H-4 H-5 Hozoratile H-1 B-2 B-3 H-4 H-5 Mercontile H-1 B-2 B-3 B-4 S Mercontile R-1 R-2 R-3 R-4 S Storage Sorage Sorage Besiness Business Businestitional H-2 D-3	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and p Floor construction Including supporting and joists Roof construction Including supporting and joists Roof construction Including supporting and joists Roof Ceiling Assem Columns Supporting Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Other Corridor Separation Occupancy/Fire Barrier Separation Party/Fire Wall Sep Smoke Barrier Sep Tenant/Dwelling Un Sleeping Unit Separation Party/Fire Mall Sep Smoke Barrier Sep Tenant/Dwelling Un Sleeping Unit Separation Columns Supporting Smoke Barrier Sep Tenant/Dwelling Un Sleeping Unit Separation Carbon Monoxid	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' N/A N/A N/A N/A N/A N/A N/A N/A	REQ'D 0 HR 0 N/A <	PROVIDED (WREDUCTION) 0 HR 0 HR	AND SHEET# N/A N/A <t< td=""><td>RATED ASSEMBLY N/A N/A</td><td>FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td><td>FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td></t<>	RATED ASSEMBLY N/A	FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
TOTAL 12,383 S9FT ALLOWABLE AREA Occupanty: Assembly A-1 A-1 A-2 Businese Cotuctional Factory F-1 Massembly A-1 Passembly A-1 A-2 A-3 Accountional H-1 Factory F-1 Moderate F-2 Low Hozardous Hozardous H-1 Basinese Image: Condition Residential R-1 R-2 R-3 Image: Condition Residential R-1 R-2 Residential R-1 R-2 Residential R-1 R-2 Residential R-1 R-2 Residential Residential Residential Residential R-1 R-2 Residential Residential Residential Residential Residential Residential Residential R-1 Residential Residential Residential	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and p Floor construction Including supporting and joists Roof construction Including supporting and joists Roof construction Including supporting and joists Roof Ceiling Assem Columns Supporting Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Other Corridor Separation Occupancy/Fire Barrier Separation Party/Fire Wall Sep Smoke Barrier Sep Tenant/Dwelling Un Sleeping Unit Separation Party/Fire Mall Sep Smoke Barrier Sep Tenant/Dwelling Un Sleeping Unit Separation Columns Supporting Smoke Barrier Sep Tenant/Dwelling Un Sleeping Unit Separation Carbon Monoxid	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' >30' N/A N/A N/A N/A N/A N/A N/A N/A	REQ'D 0 HR 0 N/A <	PROVIDED (WREDUCTION) 0 N/A	AND SHEET# N/A N/A <t< td=""><td>RATED ASSEMBLY N/A N/A</td><td>FOR TRATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td><td>FOR RATEL JOINT N/# N/# N/# N/# N/# N/# N/# N/# N/# N/#</td></t<>	RATED ASSEMBLY N/A	FOR TRATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	FOR RATEL JOINT N/# N/# N/# N/# N/# N/# N/# N/# N/# N/#
TOTAL 12,323 SQFT Occupancy: ALLOWABLE AREA Assembly A-1 A-2 A-3 A-4 A-5 Business Business Business Business Business Business Educational F-1 Moderate F-2 Low H-3 Combust H-4 Health H-5 HPM Institutional I-1 I-2 20-3 I-4 I-5 Mercantile Residential R-1 IR-2 IR-3 IR-4 IS IS Mercantile IR-1 IR-2 IR-3 IR-4 IS IS Mercantile IR-1 IR-2 IR-3 IR-4 IS IS Storage Open Enclosed Repair Carage IS IS Vitily and Misc. Accessory Cocupancies: Accessory IS IA -4 IS Accessory IF-1 Moderate IF-2 Low Is Is Is Business IS IS IS Is Is Is Is Accessory	Structural frame, in columns, girders, t Bearing walls Exterior North East West South Interior Nonbearing walls a partitions Exterior North East West South Interior walls and p Floor construction Including supporting and joists Roof construction Including supporting and joists Roof construction Including supporting and joists Roof Ceiling Assem Columns Supporting Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Shaft Enclosures – Other Corridor Separation Occupancy/Fire Barrier Separation Party/Fire Wall Sep Smoke Barrier Sep Tenant/Dwelling Un Sleeping Unit Separation Party/Fire Mall Sep Smoke Barrier Sep Tenant/Dwelling Un Sleeping Unit Separation Columns Supporting Smoke Barrier Sep Tenant/Dwelling Un Sleeping Unit Separation Carbon Monoxid	DISTANCE (FEET) ncluding russes N/A >30' >30' >30' >30' >30' >30' >30' >30' N/A N/A N/A N/A N/A N/A N/A N/A	REQ'D 0 HR 0 N/A <	PROVIDED (W/REDUCTION) REDUCTION) 0 HR 0 HR	AND SHEET# N/A N/A <t< td=""><td>RATED ASSEMBLY N/A N/A</td><td>FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/</td><td>RATED</td></t<>	RATED ASSEMBLY N/A	FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/	RATED

(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 503 ⁵ AREA	(C) AREA FOR OPEN SPACE INCREASE ^{1,6}	(D) AREA FOR SPRINKLER INCREASE ²	(E) ALLOWABLE AREA OR UNLIMITED ^{3,4}	(F) MAXIMUM BUILDING AREA ⁴
		-			

Al	LOWABLE HEIGHT			
ABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE	
•		Туре		/ X
-0 "	Feet=H+20'= <u>N/A</u>	16'-0"	504.3	
IL	Stories+1=N/A	1 STORY	504.4	

		RATING	DETAIL#	DESIGN#	DESIGN#	DESIGN#
DN E	REQ'D	PROVIDED (W/* REDUCTION)	AND SHEET#	FOR RATED ASSEMBLY	FOR RATED PENETRATION	FOR RATED JOINTS
		REDUCTION)				
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A

🖾 No	\boxtimes
🖾 No	\boxtimes
🗆 No	\boxtimes
🗆 No	\boxtimes
NZ	

Yes Yes	Partial DUCT SMOKE DETECTION
🗌 Yes	

			/	
: ES	DEGREE OF OPENINGS PROTECTIONS (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOW ON PLANS (%)	N/A
	00 °	00	00	
	00	00	00	
	00°	00	00	

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: ____

- ☐ Fire and/or smoke rated wall locations (Chapter 7)
- Assumed and real property line locations
- Exterior wall opening area with respect to distance to assumed property lines (705.8)
- Existing structures within 30 feet of the proposed building □ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)

N/A

 \rightarrow

- □ Occupant loads for each area
- Exit access travel distances (1017)
- □ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- Dead end lengths (1020.4) Clear exit widths for each exit door
- 🔲 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- Actual occupant load for each exit door
- A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is
- provided for purposes of occupancy separation Location of doors with panic hardware (1010.1.10)
- Location of doors with delayed egress locks and the amount of delay (1010.1.9.7.)
- □ Location of doors with electromagnetic egress locks (1010.1.9.9)
- □ Location of doors equipped with hold—open devices □ Location of emergency escape windows (1030)
- ☐ The square footage of each fire area (202)

 \Box The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)

□ Note any code exceptions or table notes that may have been utilized regarding the items above

		ACC	CESSIBLE DV (SECTIO		ITS		N/.	\leq
TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED	
00	00	00	00	00	00	00	00	

ACCESSIBLE PARKING (SECTION 1106)

	TOTAL # OF P	ARKING SPACES	# OF AC			
LOT OR			REGULAR WITH	VAN SPA	CES WITH	TOTAL #
PARKING AREA	REQUIRED	PROVIDED	5' ACCESS AISLE	132" ACCESS AISLE	8' ACCESS AISLE	ACCESSIBLE
NAME	00	00	00	00	00	00
NAME	00	00	00	00	00	00
OTAL	00	00	00	00	00	00

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

U	SE		WATER CLOS	ets	URINALS		LAVATORIES		SHOWERS	DRINKIN	g fountains
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	/TUBS	REGULAR	ACCESSIBLE
SPACE	EXISTING	5	5	2	0	4	4	2	14	0	1
	NEW	5	5	3	0	4	4	3	14	0	2
	REQUIRED	NCBC 290 PATTERNS ONLY AFFE AREAS ARE	OF PROFES	NG FIXTURE	D SEMI—P S IN TEA	NG FIXTURE PROFESSION M AREAS; F ECT'S SCOF	AL SOCCER PLUMBING F	CORDANCE TEAMS UT TIXTURES IN	II I7ING TH		RENOVATIONS

ENERGY SUMMARY

ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

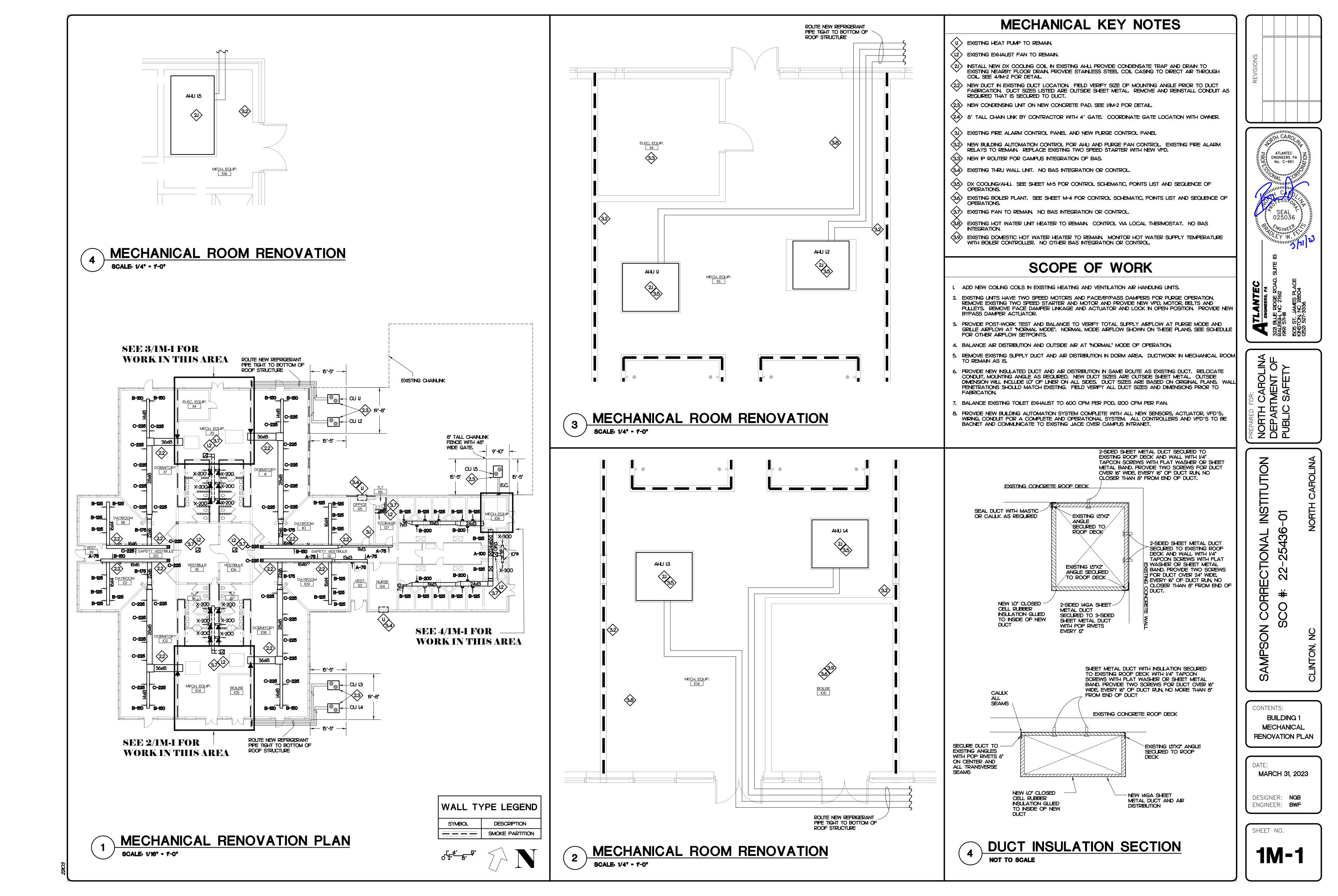
Existing building envelope complies with code: \square No/ \square Yes (The remainder is then N/A) Exempt Building: 🗆 No 🖾 Yes (Provide code or summary reference): 2018 NCEBC 811 Climate Zone: 🛛 3A 🛛 4A 🔲 5A

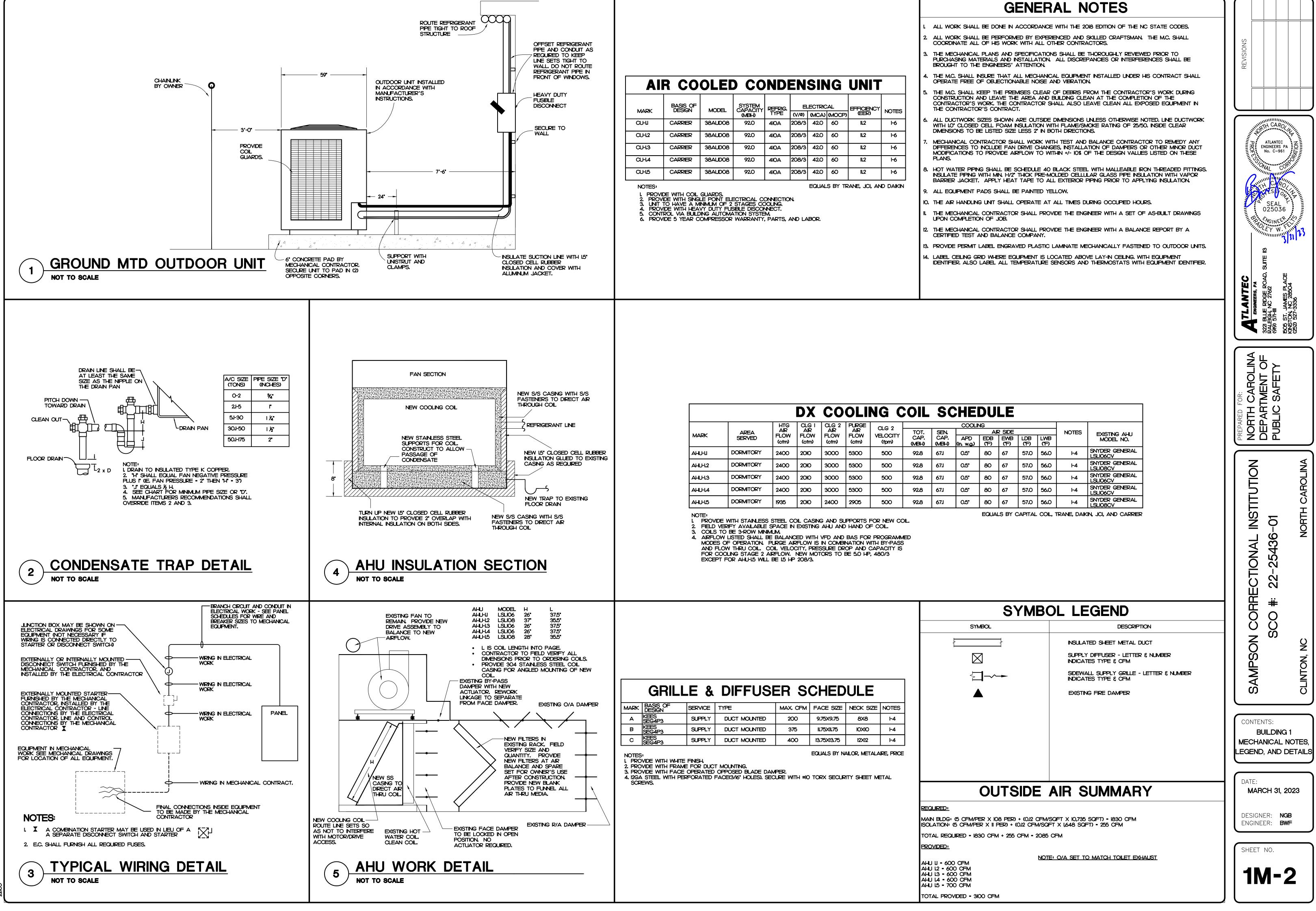
Method of Compliance:	Energy Code 🗌 Performance	Prescriptive
	ASHRAE 90.1 🗌 Performance	Prescriptive
	If "Other" specify here)	

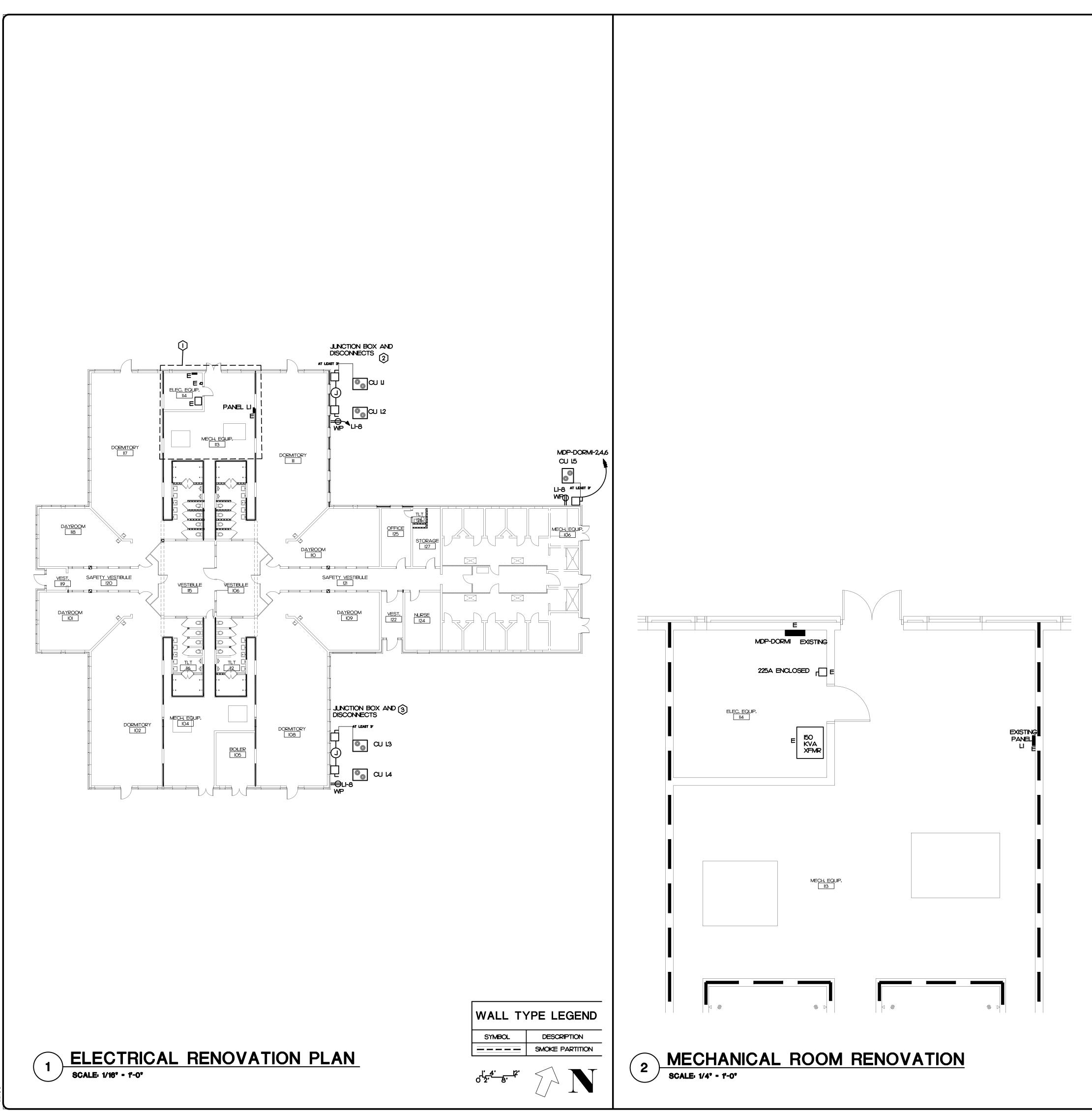
THERMAL ENVELOPE (Prescriptive method only)

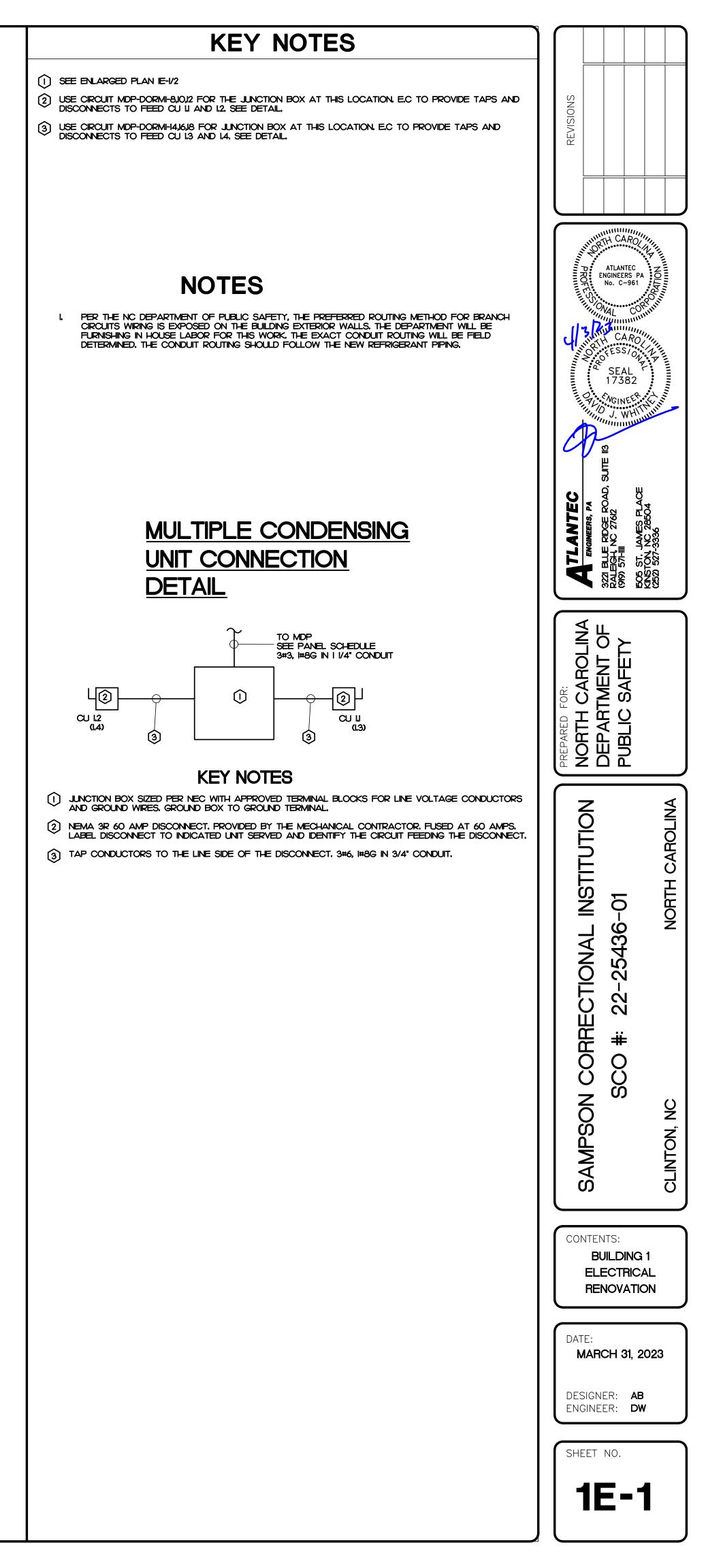
······································	
Roof/Ceiling Assembly (each assembly)	
Description of assembly	<u>N/A</u>
U—Value of total assembly	N/A
R–Value of insulation	N/A
Skylights in each assembly	N/A
U-Value of skylight	N/A
Total square footage of skylights in each assembly	
Exterior Walls (each assembly)	
Description of assembly	N/A
U-Value of total assembly	N/A
R-Value of insulation	N/A
Openings (windows or doors with glazing)	N/A
U-Value of assembly	
Solar heat gain coefficient	N/A
Projection factor	N/A
Door R-Values	N/A
Walls below grade (each assembly)	
Description of assembly	N/A
U-Value of total assembly	
R-Value of insulation	N/A
Floors over unconditioned space (each assembly)	
Description of assembly	N/A
U-Value of total assembly	N/A
R-Value of insulation	N/A
Floors slab on grade	
Description of assembly	N/A
U-Value of total assembly	N/A
R-Value of insulation	N/A
Horizontal/vertical requirement	N/A
Slab heated	N/A

SPECIAL APPROVALS		
	REVISIONS	
Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)	REV	
N/A N/A		
		\prec
	TH CARO	
STRUCTURAL DESIGN DESIGN LOADS:	ATLANTEC RO ENGINEERS PA	
Importance Factors: Wind (I _W) Snow (I _S) N / Å	No. C-961	
Sitest (s) Seismic (HE) Diff	MAL CORTINUE	
Mezzaninepsf Floorpsf	REAL ON AL	
Ground Snow Load:psf Wind Load: Basic Wind Speedmph (ASCE-7)	SEAL 025036	
Exposure Category Vy = Vy =	PR MGINEER	
SEISMIC DESIGN CATEGORY:	MINITURE VIEW	ה
Provide the following Seismic Design Parameters:	© ₩	
Occupancy Category (Table 1604.5) Spectral Response Acceleration S _s %g S ₁ %g		
Site Classification (Table 1613.5.2)	ROAD 2 2 ACE	
Basic structural system (check one)	TLANTEC ENGINEERS, PA BLUE RIDGE ROAD, GLUE RIDGE ROAD, GLUE RIDGE ROAD, ST-1111 ST. JAMES PLACE ON NC 28504 S27-3336	
Bearing Wall Dual w/Special Moment Frame Building Frame Dual w/Intermediate R/C or Special Steel		
☐ Moment Frame ☐ Inverted Pendulum Seismic base shear: Vx = Vy =		
Analysis Procedure:		\preceq
LATERAL DESIGN CONTROL: Earthquake Wind	AN R R R R R R R R R R R R R R R R R R R	
SOIL BEARING CAPACITIES:		
Field Test (provide copy of test report) psf Presumptive Bearing capacity psf	CAROI CAROI SAFET	
Pile size, type, and capacity		
SPECIAL INSPECTIONS REQUIRED: Yes No	PREPARED NORTH DEPAF PUBLIC	
MECHANICAL SUMMARY		$\overline{}$
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT		NOHIH CAHOLINA
Thermal Zone 4A Winter dry bulb <u>16°F</u>	ΙĒ	P P
Summer dry bulb 93°F 46%		S CA
Interior design conditions Winter dry bulb 70°F		⊥
Summer dry bulb Summer dry bulb Relative humidity50%		Ś
Building heating load	CORRECTIONAL INST CO #: 22-25436-01	
Building cooling load 436.7 MBH	55 ON	
Mechanical Spacing Conditioning System		
Unitary Description of unitSPLIT SYSTEM COOLING AIR-COOLED WITH HOT WATER HEAT		
Heating efficiency Cooling efficiency 10.3 EER Size category of unit_ 92 MBH		
Boiler Size category. If oversized, state reason. <u>460 MBH</u>		
Chiller Size category. If oversized, state reason.		ပ္ခ
List equipment efficiencies		Z Z
	SAMPSON	CLINION, NC
ELECTRICAL SUMMARY	SA SA	
ELECTRICAL SYSTEM AND EQUIPMENT		
Method of Compliance Energy Code:	CONTENTS:	
	BUILDING 1 APPENDIX B	
Lighting schedule (each fixture type) Lamp type required in fixture Number of lamps in fixture		
Lamp type required in fixture Number of lamps in fixture Number of ballasts in the fixture Total wattage per fixture		
Total interior wattage specified vs. allowed	DATE:	
Total exterior wattage specified vs. allowed	MARCH 31, 2023	
Additional Prescriptive Completice	DESIGNER: BWF	
 C406.2 More Efficient Mechanical Equipment Performance C406.3 Reduced Lighting Power Density C406.4 Enhanced Digital Lighting Controls 	ENGINEER: BWF	
C406.5 On-Site Renewable Energy C406.6 Deditation Outdoor Air System	SHEET NO.	
C406.7 Reduced Energy Use in Service Water Heating 506.2.3 Energy Recovery Ventilation Systems	JULLI NU.	
506.2.6 Automatic Daylighting Control Systems	1T-1	









SYMBOL LEGEND

<u>SYMBOL</u>

J JUNCTION BOX SIZED PER N.E.C.



DISCONNECT SWITCH SEE PLANS FOR SIZE AND TYPE NEW CONCEALED WIRING

HOME RUN TO PANEL BOARD NUMBERS OF ARROW INDICATE CIRCUITS

EXISTING 120/208V 30, 4W PANEL BOARD - SEE PANEL SCHEDULES SINGLE POLE TOGGLE SWITCH. MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE.

DESCRIPTION

WP SPECIFICATION GRADE, WEATHER RESISTANT AND GFCI DUPLEX RECEPTACLE WITH IN-USE WEATHER PROOF COVER. MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED. EXISTING

SEE SPECIFICATIONS PER N.E.C. PER N.E.C. SEE SPECIFICATIONS

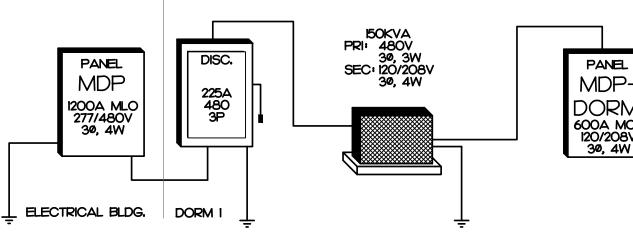
REMARKS

SEE SPECIFICATIONS

SEE SPECIFICATIONS

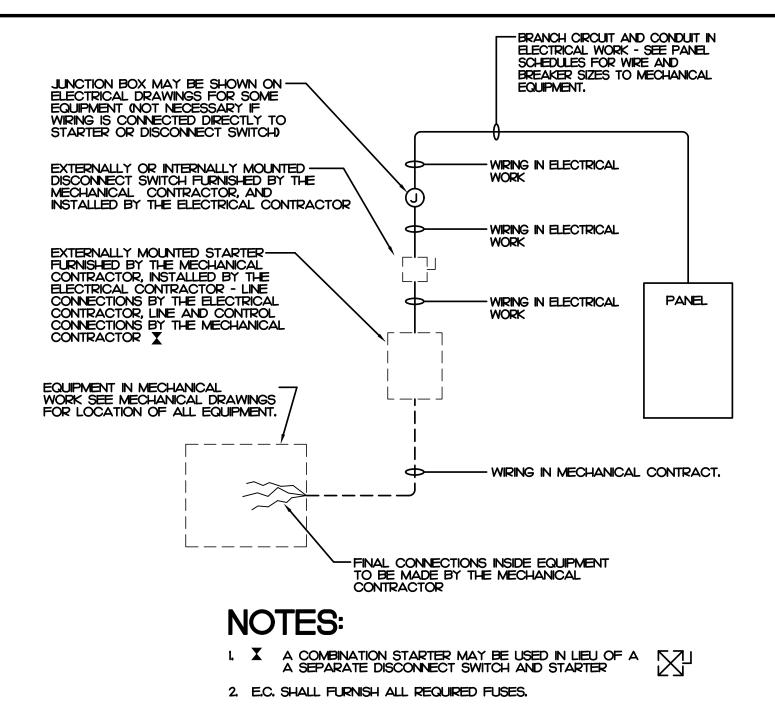
PANEL	CONTRACTOR AND AND	TODE IN CONSTRUCTION IN											1:	20/208V, 3 PHASE, 4 WIRE		ANEL														ASE, 4 WIRE
	DESCRIPTION	4	KVA	C (в скт	CKT		V G	C	KVA		DESCRIPTION CKT	CKT		DESCRIPTIC	DN	KVA		G W		CKT	СВ	WG	C	KVA	D	ESCRIPTION	CK
1 L1 PANEL			12.1	EI		22		2	60 6		1	5.0	NOTE 2	CU1.5 2		FAN B WIN			0.5	E	E E		2			·	0.0			CE ONLY 2
3			12.7		E	3F		4	3P 6			5.0	-	4		MW A WIN	G		1.0	E	E E		4		E E	E	1.7	TUO	SIDE WALKIN	COOLER 4
5			13.4	-			5	6	6		4.4.4	5.0		6		SPARE			0.0	E	E E	20 5	6		E		1.7			6
7 L2 PANEL			5.8	EI		22		8			1 1/4	10.1	NOTE 2	CU1.1,1.2 8		SPARE			0.0	E	E E	20 7	8	20	12 12	2 1/2	0.5	NOTE 2		EXTERIOR 8
9 11		-	5.8		E		9 11	10	3P 3		+	10.1 10.1	-	<u>10</u> 12		SPARE			0.0	E	E E		10		-		0.0			CE ONLY 10
13 L3 PANEL			5.8 5.8				212			·	1 1/4	10.1	NOTE 2	CU 1.3,1.4 14		SPARE	170		0.0	E	E E	20 11	12				0.0			CE ONLY 12
15 LS PANEL		-	5.8 5.8	E 1	E E				3P 1	1 0	1 1/4	10.1		00 1.3, 1.4 14 16		NIGHT LIGH			1.0	_	E E		14		EE		1.0			M A WING 14
17		-	5.8			J	17	18	JP /	1	+ +	10.1	-	18		DN WARD			0.0		E E		16			E	1.0			M C WING 16
19 SPACE ON			0.0			_	19	20	0		+	0.0		SPACE ONLY 20		D FIXTURE	S A&B RM A&B LTS	0	2.0		E E F F	1999 - 1997 - 19	18	the second se			1.0			M B WING 18
21			0.0				21	20				0.0	-	22		MECH RM			1.0		E E		20		E E		<u>1.0</u> 1.5	DEC		ID CHASE 22
23		F	0.0				23	24				0.0	-	24		SPARE	L15		0.0		E E	24-24-54	22		EE	_	0.5	an tarceder	Property of the second states of the second second	ID CHASE 22 ID CHASE 24
25 NA			0.0				25	26				0.0		NA 26		SPARE			0.0	E	E E		24		EE		0.5			LER CTRL 26
27 NA			0.0				27	28				0.0		NA 28		SPARE			0.0	F	EE	20 27	28		EE	8 22	0.0		WATER 000	SPARE 28
29 NA			0.0				29	30				0.0		NA 30		REC DAYR			0.5		EE		30		EEE		0.5		RF	C B WING 30
31 NA			0.0				31	32				0.0		NA 32		WATER CO			1.0	E	E E				EE		1.0			C B WING 32
33 NA		Γ	0.0				33	34				0.0		NA 34		UNIT HEAT			1.0	E	EE	20 33	34		EE	E	1.0			EXFAN 2 34
35 NA		Γ	0.0				35	36				0.0		NA 36		FAN 5			1.7	E	E E	107 107 100 100 100			E E	E	1.0			EXFAN 9 36
37 NA			0.0				37	38				0.0		NA 38	37				1.7		E		38		E E	E	2.9		EX FAN CN	TRL AREA 38
39 NA			0.0				39	40				0.0		NA 40	39	FAN 6			1.7	E	E E	20 39	40	3P	E	·	2.9			40
41 NA			0.0				41	42				0.0		NA 42	41				1.7		E	2P 41	42		E		2.9			42
CONT. LOAD RECEPTACLE MTRS/COOLS	CONNECTEE KVA 12.23 11.40 1.00	FACTOR 125% 100%/50% 100%	DEMAND KVA 15.28 10.70 1.00	60	0 A MAI		I BUS SI RCUIT BF AIC RAT	REAKER			N		MOUNTING NCLOSURE BAR		CON REC MTR	NT. LOAD EPTACLE RS/COOLS	CONNECTE KVA 4.00 4.54 1.00	FACTOR 125% 100%/50% 100%	KVA 5.00 4.54 1.00	М	AIN LUG	MUM BUS S S ONLY IUM AIC RA					SURFACE NEMA 1 EN GROUND E			
HEATS	0.00	125%	0.00												HEA		0.00	125%	0.00											
WATER HEATER		125%		NOTES												TER HEATER		125%	0.00	NOTES									CONNECTED	
	124.28	90%	111.85					E. 'E' IN[DICATES E	XISTING	BRANC	H CIRCUI	TO REMA			JIPMENT	28.63	100%	28.63			JARE D: NG		DICATES	EXISTIN	IG BRAN	CH CIRCUI		PHASE A:	12.1 KV/
KITCHEN EQUIP	0.00	65%	0.00				REAKER			~				PHASE B: 49.6 KVA		CHEN EQUIP		65%	0.00	2. PRO	VIDE NE	N BREAKE	ł						PHASE B:	12.7 KV/
SPECIAL EQ.	0.00	100%	0.00	3. NEW	HVACL	UAD:	S ARE C	ALCULA	TED AT M	CA.				PHASE C: 50.3 KVA		ECIAL EQ.	0.00	100%	0.00	3.									PHASE C:	13.4 KV/
25% OF LARGES	T HVAC/MOT	OK	2.00	4.										TOTAL: 148.9 KVA			ST HVAC/MO	TOR	2.00	4.									TOTAL:	38.2 KVA
TOTAL DEMAND			140.83	D .										DEMAND 391 AMP	TOT	AL DEMAND)		41.17	5.									DEMAND	114 AMF





NOTE:

I. POWER RISER IS EXISTING TO REMAIN. SHOWN FOR REFERENCE ONLY.



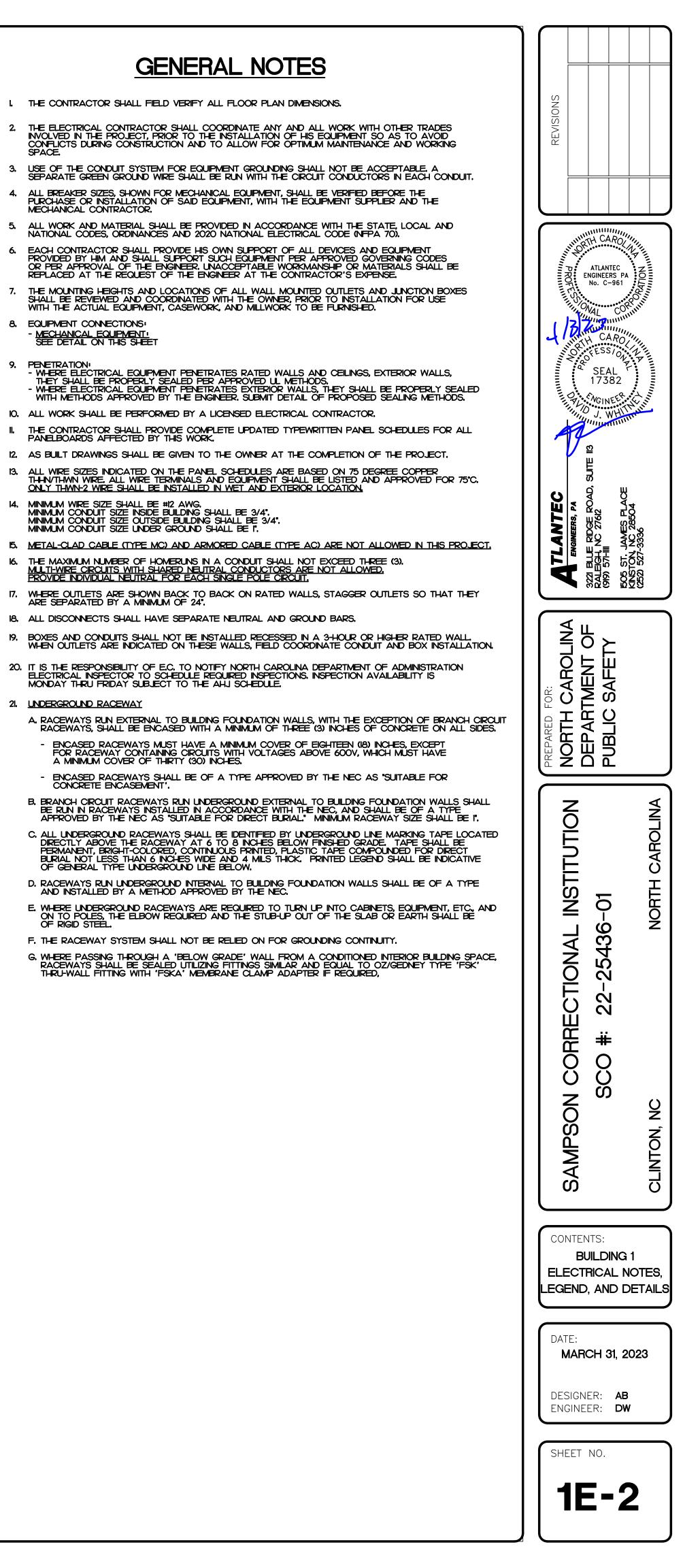
WIRING TO MECHANICAL EQUIPMENT

NOT TO SCALE





EXISTING LOAD AT MDP AND ATS PER UTILITY RECORDS - 214 KW WITH AN ASSUMED POWER FACTOR OF 0.85 AND A DEMAND FACTOR OF 1.25 THE DEMAND LOAD IS 314.71 KVA - ADDED LOAD OF 200.61 KVA (TOTAL OF ALL BUILDINGS) - NEW DEMAND LOAD 515.32 KVA (619.83 AMPS)



		BUILDING (DIX B CODE SUMM		Special Uses:			ALLOWABLE A			410 [] 41	1 🗆 41'
			RCIAL PROJ					416 417			···· <u> </u>	· _ · ·
Name of Project: <u>SAMF</u>	SON CORRECTION	AL INSTITUTION				424 425					_	
Address: 421 NW BOULE Proposed Use: PRISON D	VARD, CLINTON, N			Zip Code 28328	Special Provisi	ons: 5	09.2 🗆 509	.3 🗆 509.4 🗌] 509.5 □ 5	509.6 🗆 509	9.7 🗆 509	1.8 🗆 50
Owner or Auth. Agent:	AYLOR OLDHAM			_ Email taylor.oldham@ncdps.gov	Mixed Occupar	ncy: 🛛 🕅 N	o 🗆 Yes	Separation:	Hr.	Except	tion	
Owned By: Code Enforcement Jurisdi			□ Private □ County	⊠State ──────────────────────────────		idental Use Sep	•	•				
	•		•		_	•	•	as a Nonseparat	ted Use (see	exceptions)).	
LEAD DESIGN PROFES					LU No Th	nseparated Use e required type	(508.3.2) of constructi	on for the build	ing shall be (determined	by applying	g the he
DESIGNER FIRM Architectural	NAME	LICENSE		E # EMAIL	an	d area limitatio	ns for each a	of the applicable so determined	occupancies	to the ent	ire building	g. The
Civil					_							•
Electrical ATLANTEC Fire Alarm		ITNEY 01738		1111 DAVID®ATLANTECENIGINEERS.COM	000	cupancy shall b	e such that t	See below for the sum of the	ratios of the	actual floo	ch story, t or area of	he area each us
Plumbing	NG B. FEL	_TS 02503	36 010 571	1111 brad@atlantecenigineers.com		•		rea for each us				
						of Occupancy of Occupancy	$\frac{A}{A}$ + $\frac{A}{A \parallel c}$	ctual Area of Oc wable Area of C	ccupancy B	≤1		
						N/A	+	N/A		+ =	N/A	<u>≤</u> 1.
Other												
2018 EDITION OF NC C		lew Construction [Addition	X Renovation			(A)	(B)	(C)	(D)		E)
		st Time Interior Co			STORY NO.	DESCRIPTION AND USE	BLDG. AR PER STOP		AREA FOR OPEN SPACE		R AREA	OR
			act the local inspected as a requirements	ction jurisdiction for possible			(ACTUAL))	INCREASE ^{1,6}	⁶ INCREASE		IITED ^{3,4}
		•	•	ocal inspection jurisdiction for	4th Floor 3rd Floor							
	Ρ	ossible additional	procedures & requ	irements	2nd Floor							
2018 NC EXISTING BU	ILDING CODE: ALTERATION:	Prescriptive Level I	e 🛛 Repair 🖾 Level II	Chapter 14	1st Floor							
	ALTERNITON.	Historic Pro		Change of Use								
CONSTRUCTED: 198					1. Frontage are	a increases from	Section 506.2	are computed th	us:			
RENOVATED:			ANCY(S) (Ch. 3): <u>.</u> JPANCY(S) (Ch. 3)			er which fronts o uilding Perimeter		open space havir (P)	ng 20 feet min	imum width	=	
RISK CATEGORY (Tab					c. Ratio (F/P) =	(F/P)		(₩)			
	,				e. Percent	of frontage incr	ease I _f = 100	[F/P - 0.25] x			(%)	
		BUILDING D	ΑΤΑ		•	r increase per se ory building l _s =		as follows:				
Construction Type:						story building I _S = a applicable und		f Sections 507.				
	🗆 І-В	⊠ II-B □ I	II-B	🗆 V–В	4. Maximum Bu	iilding Area = tot	al number of a	tories in the build must comply wit		•		f air trafi
•		Yes NFPA 13	□NFPA 13R	NFPA 13D	control towe	rs must comply w	vith Table 412.	5.1.		5. The maxin	num area o	ar air tran
Standpipes: XNo Fire District: XNo			Hazard Area:	•	6. Frontage inc	rease is dased o	n the unsprinkly	ered area value in	1001e 506.2.			
Special Instructions Requ		Yes (Contact the	local inspection ju	risdiction for			A	LLOWABLE HE	IGHT			
Building Height: <u>16'-C</u>	<u>)"</u> Feet	additional p	rocedures and req	uirements.)			LLOWABLE	INCREASE FOR	SPRINKLERS	SHOWN ON	PLANS	COD
Gross Building Area:						(1	ABLE 503)					REFERE
FLOOR 7th Floor	EXISTING (SQ FI	r)	NEW (SQ FT)	SUB-TOTAL	Type of Constr		Туре	1		Туре		\square
6th Floor					Building Height (Table 504.3)	in reet	75'–0"	Feet=H+20'=	<u>N/A</u>	16'—	-0"	504
<u>5th Floor</u> 4th Floor												504
					Building Height	in Stories	UL	Stories+1=	<u>N/A</u>	1 SI	ØRY	504
3rd Floor					Building Height	in Stories	UL	Stories+1=	N/A	1 SI	ØRY	504
2nd Floor	10,735 SQFT				Building Height	in Stories		Stories+1=			ØRY	504
2nd Floor 1st Floor Basement	10,735 SQFT				Building Height BUILDING ELEMEN			OTECTION REG		-S DESIGN#	DESIGN#	DESIGN
2nd Floor 1st Floor	10,735 SQFT 10,735 SQFT					IT F SEPA DIS	FIRE PR	OTECTION REG		DESIGN# FOR RATED	DESIGN# FOR RATED	DESIGN FOR RATED
2nd Floor 1st Floor Basement TOTAL		ALLOWABLE A	AREA		BUILDING ELEMEN	IT F SEPA DIS (F	FIRE PR	OTECTION REC RATING D PROVIDED (W/ REDUCTION)	QUIREMENT DETAIL# AND sheet#	DESIGN# FOR RATED ASSEMBLY	DESIGN# FOR RATED PENETRATION	DESIGN FOR RATED JOINTS
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly	10,735 SQFT	ALLOWABLE A	AREA	□ A-4 □ A-5	BUILDING ELEMEN	T F SEPA DIS (F , including , trusses N	FIRE PR RATION (ANCE EET) REQ'I	OTECTION REC RATING PROVIDED (W/ REDUCTION) 0 HR	QUIREMENT DETAIL# AND _* SHEET# N/A	DESIGN# FOR RATED ASSEMBLY N/A	DESIGN# FOR RATED PENETRATION N/A	DESIGN FOR RATEL JOINTS
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business	10,735 SQFT			□ A-4 □ A-5	BUILDING ELEMEN Structural frame, columns, girders Bearing walls	IT F SEPA DIS (F , including , trusses	FIRE PR RATION RANCE EET) REQ'I I/A 0.Hf 30' 0.Hf	OTECTION REC RATING PROVIDED (W/ REDUCTION) 0 HR 0 HR	QUIREMENT DETAIL# AND SHEET# N/A N/A	TS DESIGN# FOR RATED ASSEMBLY N/A N/A	DESIGN# FOR RATED PENETRATION N/A	DESIGN FOR RATED JOINTS N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational	10,735 SQFT	□ A-2		□A-4 □A-5	BUILDING ELEME? Structural frame columns, girders	IT F SEPA DIS (F , including , trusses N >	FIRE PR RATION TANCE EET) REQ'I I/A 0.Hf 30' 0.Hf 30' 0.Hf 30' 0.Hf	OTECTION REC RATING PROVIDED (W/ REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 O HR 0 O HR 0 O HR	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A	DESIGN FOR JOINTS JOINTS N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business	10,735 SQFT	□ A-2 te □ F-2 Low	□A-3	□ A-4 □ A-5	BUILDING ELEMEN Structural frame, columns, girders Bearing walls Exterior North East	IT F SEPA DIS (F , including , trusses N > > > >	FIRE PR IRE RATION TANCE EET) I/A 0 1/A 1/A 0 1/A 1/	OTECTION REC RATING PROVIDED (W/REDUCTION) REDUCTION) REDUCTION) REDUCTION) REDUCTION REDUC	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A	DESIGN FOR RATEL JOINTS N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional	10,735 SQFT	□ A-2 te □ F-2 Low te □ H-2 Deflagr □ I-2	□ A-3 rate □ H-3 Comb ⊠ I-3	ust □ H−4 Health □ H−5 HPM □ I−4	BUILDING ELEMEN Structural frame, columns, girders Bearing walls Exterior North	(T F SEPA DIS (F , including , trusses N > > > > > > > > > > > > > > >	FIRE PR RATION TANCE EET) REQ'I I/A 0.Hf 30' 0.Hf 30' 0.Hf 30' 0.Hf	OTECTION REC RATING PROVIDED (W/ REDUCTION) REDUCTION) REDUCTION) REDUCTION) REDUCTION) REDUCTION) REDUCTION R	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A	DESIGN FOR JOINTS JOINTS N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition	10,735 SQFT	□ A-2 te □ F-2 Low te □ H-2 Deflagr	□ A-3 rate □ H-3 Comb	ust 🔲 H-4 Health 🗆 H-5 HPM	BUILDING ELEMEN Structural frame, columns, girders Bearing walls Exterior North East West South Interior	IT F SEPA DIS (F , including , trusses > > > > > > > > > > > > > > > > > >	FIRE PR RATION RACE EET) REQ'I R	OTECTION REC RATING PROVIDED (W/ REDUCTION) REDUCTION) REDUCTION) REDUCTION) REDUCTION) REDUCTION) REDUCTION R	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A	TS DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional	10,735 SQFT	□ A-2 te □ F-2 Low te □ H-2 Deflagr □ I-2	□ A-3 rate □ H-3 Comb ⊠ I-3	ust □ H−4 Health □ H−5 HPM □ I−4	BUILDING ELEMEN Structural frame columns, girders Bearing walls Exterior North East West South	AT F SEPA DIS (F , including , trusses N > > > > > > > > > > > > > > >	FIRE PR IRE RATION ANCE EET) I/A 30' 30' 30' 0 Hf 30' 0 Hf 10' 10' 10' 10' 10' 10' 10' 10'	OTECTION REC RATING PROVIDED (W/	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN FOR FOR JOINTS N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile	10,735 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2$ te $\square S-2 Low$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled	ust 🗌 H–4 Health 🗌 H–5 HPM 🗋 I–4 🗋 4 🔲 5 🗌 R–4 🗋 Parking Garage	BUILDING ELEMEN Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior	AT F SEPA DIS (F , including , trusses N > > > > > > > > > > > > > > > > > >	FIRE PR IRE RATION TANCE EET) I/A 30' 30' 30' 30' 30' 0 Hf 30' 0 Hf 30' 10'	RATING RATING PROVIDED (W/_REDUCTION) REDUCTION) R O HR Q O HR Q HR	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR FOR JOINTS N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage	10,735 SQFT	□ A-2 te □ F-2 Low te □ H-2 Deflagr □ I-2 ⊠ 2 □ R-2	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3	ust 🗌 H–4 Health 🗌 H–5 HPM 🗋 I–4 🗋 4 🔲 5 🗌 R–4 🗋 Parking Garage	BUILDING ELEMEN Structural frame columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions	AT F SEPA DIS (F , including , trusses))))))))))))))))))	FIRE PR IRE RATION ANCE EET) /A 30' 0 Hf 30' 0 Hf 30' 10	OTECTION REC RATING PROVIDED (W/REDUCTION) REDUCTION) 0 HR 0 HR	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATEL JOINTS N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise	10,735 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2$ te $\square S-2 Low$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled	ust 🗌 H–4 Health 🗌 H–5 HPM 🗋 I–4 🗋 4 🔲 5 🗌 R–4 🗋 Parking Garage	BUILDING ELEMEN Structural frame columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West	T F SEPA DIS (F , including , trusses N > > > > > > > > > > > > > > > > > >	FIRE PR IRE IRATION IANCE EET) I/A 30' 30' 30' 30' 0 Hf 30' 0 Hf 30' 10 Hf 10	P PROVIDED RATING PROVIDED (W/REDUCTION) 0 HR Q 0 HR	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR FOR JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies:	10,735 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2$ te $\square S-2 Low$ $\square Enclosed$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age	BUILDING ELEMEN Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East	AT F SEPA DIS (F , including , trusses))))))))))))))))))	FIRE PR RATION (ACCE) REQ'I (A 0 Hf 30' 0 Hf (A 0 Hf	OTECTION REC RATING PROVIDED (W/REDUCTION) REDUCTION) REDUCTION	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATEL JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise	10,735 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2$ te $\square S-2 Low$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled	ust 🗌 H–4 Health 🗌 H–5 HPM 🗋 I–4 🗋 4 🔲 5 🗌 R–4 🗋 Parking Garage	BUILDING ELEMEN Structural frame columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction	AT SEPA DIS (F , including , trusses N > > > > > > > > > > > N and N N N N N N N N N N N N N	FIRE PR IRE RATION TANCE EET) I/A 30' 30' 30' 30' 30' 0 Hf 30' 30' 0 Hf 30' 0 Hf A 0 Hf A A 0 Hf A A A A A A A A A A	RATING RATING PROVIDED REDUCTION) REDUCTION	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR FOR JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly	10,735 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2$ $\square R-2 Low$ $\square Enclosed$ $\square A-2$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age	BUILDING ELEMEN Structural frame columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls an	AT SEPA DIS (F , including , trusses N > > > > > > > > > > > N and N N N N N N N N N N N N N	FIRE PR IRE RATION (ANCE EET) I/A 0.Hf 30' 0.Hf 30' 0.Hf 30' 0.Hf 30' 0.Hf 30' 0.Hf 30' 0.Hf 30' 0.Hf 30' 0.Hf (A 0.Hf /A 0.Hf /A 0.Hf /A 0.Hf /A 0.Hf /A 0.Hf /A 0.Hf /A 0.Hf /A 0.Hf	RATING RATING PROVIDED REDUCTION) REDUCTION	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR FOR JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory	10,735 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2$ $\square R-2 Low$ $\square Enclosed$ $\square A-2$ te $\square F-2 Low$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age	BUILDING ELEMEN Structural frame columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction	AT SEPA DIS (F , including , trusses))))))))))))))))))	FIRE PR RATION TANCE REATION TANCE REQ'I A O HI 30' A O HI 30' A A A A A A A A A A A A A	P PROVIDED RATING PROVIDED (W/ REDUCTION) REDUCTION) R 0 HR 0 R 0 HR 0 R 0	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATEL JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous	10,735 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2 Low$ $\square Enclosed$ $\square A-2$ te $\square F-2 Low$ te $\square F-2 Low$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5	BUILDING ELEMEN Structural frame columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls an Floor constructio Including support and joists	AT SEPA DIS (F , including , trusses))))))))))))))))))	FIRE PR IRE RATION TANCE EET) I/A 30' 30' 30' 30' 30' 0 Hf 30' 30' 0 Hf 30' 0 Hf A 0 Hf A A 0 Hf A A A A A A A A A A	P PROVIDED RATING PROVIDED (W/ REDUCTION) REDUCTION) R 0 HR 0 R 0 HR 0 R 0	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR FOR JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory	10,735 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2$ $\square R-2 Low$ $\square Enclosed$ $\square A-2$ te $\square F-2 Low$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age	BUILDING ELEMER Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof Ceiling Ass	AT SEPA DIS (F) including) trusses))))))))))))))))))	FIRE PR RATION (ANCE EET) I/A 0 1/A - 0 1/A - 0 1/A - 0 1/A - 0 1/A - 0 1/A - - 0 1/A - - 0 1/A - - - 0 1/A - - - - 0 - - - - -	RATING PROVIDED RATING PROVIDED REDUCTION) REDUCTION REDUCTION <	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATE JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile	10,735 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2$ $\square R-2 Low$ $\square Enclosed$ $\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\square I-2$ $\square 2$	$\square A-3$ rate $\square H-3 Comb$ $\boxtimes I-3$ $\square 3$ $\square R-3$ $\square High-piled$ $\square Repair Gard$ $\square A-3$ rate $\square H-3 Comb$ $\square I-3$ $\square 3$	ust $ H-4 $ Health $ H-5 $ HPM I-4 4 5 R-4 Parking Garage age $ A-4 A-5 $ ust $ H-4 $ Health $ H-5 $ HPM I-4 4 5	BUILDING ELEMEN Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls an Floor constructio Including support and joists	AT F SEPA DIS (F , including , trusses))))))))))))))))))	FIRE PR RATION (A) 0 HI 30' 0 HI	RATING PROVIDED RATING PROVIDED REDUCTION) R 0 HR	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Factory Hazardous Institutional I-3 Condition Mercantile Residential	10,735 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2 Low$ $\square Enclosed$ $\square A-2$ te $\square F-2 Low$ te $\square F-2 Low$ $\square I-2 Deflagr$ $\square I-2$ $\square R-2$	$\square A-3$ rate $\square H-3 Comb$ $\boxtimes I-3$ $\square R-3$ $\square High-piled$ $\square Repair Gard$ $\square A-3$ rate $\square H-3 Comb$ $\square I-3$ $\square 3$ $\square R-3$	ust $ -4 $ Health $ -5 $ HPM -4 4 5 R-4 Parking Garageage $ A-4 A-5 ust -4 Health -5 HPM -4 4 5 R-4 $	BUILDING ELEMEN Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof Censtruction Including support and joists Roof Ceiling Ass Columns Support	AT F SEPA DIS (F , including , trusses))))))))))))))))))	FIRE PR RATION (ANCE EET) I/A 0 1/A - 0 1/A - 0 1/A - 0 1/A - 0 1/A - 0 1/A - - 0 1/A - - 0 1/A - - - 0 1/A - - - - 0 - - - - -	RATING PROVIDED REDUCTION) REDUCTION REDUCTION <td>QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A</td> <td>S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td> <td>DESIGN# FOR PATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td> <td>DESIGN FOR RATE JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td>	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATE JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile	10,735 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2 Low$ $\square Enclosed$ $\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\square I-2$ $\square I-2$ $\square R-2$ te $\square S-2 Low$	$\square A-3$ rate $\square H-3 Comb$ $\boxtimes I-3$ $\square R-3$ $\square High-piled$ $\square Repair Gard$ $\square A-3$ rate $\square H-3 Comb$ $\square I-3$ $\square 3$ $\square R-3$ $\square High-piled$	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 A-4 A-5 ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage	BUILDING ELEMEN Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Ass Columns Support	AT SEPA DIS (F) including) trusses N >> >> >> >> >> >> >> >> >> >> >> >> >	FIRE PR RATION RATION ANCE EET) /A 30' 30' 30' 30' 30' 0 Hf 30' 30' 0 Hf 30' 0 Hf 30' 0 Hf 30' 0 Hf A 0 Hf /A 0 Hf /A 0 Hf /A 0 Hf /A 0 Hf - 0 Hf /A 0 Hf /A 0 Hf A 0 Hf A A 0 Hf A A 0 Hf A A A A A A A A A A	PECTION REC RATING PROVIDED REDUCTION) R 0 HR R 0 N/A N/A <td>QUIREMENT DETAIL# AND AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A</td> <td>S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td> <td>DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td> <td>DESIGN FOR RATEL JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td>	QUIREMENT DETAIL# AND AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATEL JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Factory Hazardous Institutional I-3 Condition Mercantile Residential	10,735 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2 Low$ $\square Enclosed$ $\square A-2$ te $\square F-2 Low$ te $\square F-2 Low$ $\square I-2 Deflagr$ $\square I-2$ $\square R-2$	$\square A-3$ rate $\square H-3 Comb$ $\boxtimes I-3$ $\square R-3$ $\square High-piled$ $\square Repair Gard$ $\square A-3$ rate $\square H-3 Comb$ $\square I-3$ $\square 3$ $\square R-3$	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 A-4 A-5 ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage	BUILDING ELEMEN Structural frame columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Ass Columns Support	AT SEPA DIS (F) including) trusses))))))))))))))))))	FIRE PR IRE RATION ANCE EET) I/A 30' 30' 30' 30' 30' 30' 0 Hf 30' 30' 0 Hf 30' 1/A 0 Hf /A 0 Hf /A N/A - N/A - N/A	PECTION REC RATING PROVIDED REDUCTION) R 0 HR 0 HR <td>QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A</td> <td>S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td> <td>DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td> <td>DESIGN RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td>	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise	10,735 SQFT	A-2 te F-2 Low te H-2 Deflage I-2 I-2 2 te S-2 Low Enclosed A-2 te F-2 Low I-2 Deflage I-2 I-2	$\square A-3$ rate $\square H-3 Comb$ $\boxtimes I-3$ $\square R-3$ $\square High-piled$ $\square Repair Gard$ $\square A-3$ rate $\square H-3 Comb$ $\square I-3$ $\square 3$ $\square R-3$ $\square High-piled$ $\square Repair Gard$	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 A-4 A-5 ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage	BUILDING ELEMER Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Ass Columns Support Shaft Enclosures - Other Corridor Separation Party/Fire Wall S	AT SEPA DIS (F) including) trusses))))))))))))))))))	FIRE PR RATION ANCE RET) RECY R	P PROVIDED RATING PROVIDED PROVIDED (W/PROVIDED) REDUCTION) 0 R	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR ASSEMBLY ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional Factory Hazardous Institutional Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Residential Storage Utility and Mise Residential Storage	10,735 SQFT 10,735 SQFT A-1 F-1 Moderat H-1 Detonat I-1 I R-1 S-1 Moderat Open C. A-1 F-1 Moderat I-1 I R-1 Detonat I R-1 S-1 Moderat I R-1 S-1 Moderat I H-1 Detonat I I S-1 Moderat I I I I I I I I I I I I I	$ \begin{vmatrix} A-2 \\ A-2 \\ A-2 \\ A-2 \\ A-2 \\ A-2 \\ B \\ B \\ B \\ B \\ C \\ C \\ C \\ C \\ C \\ C$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb □ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard 0 Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age	BUILDING ELEMER Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Ass Columns Support Shaft Enclosures - Other Corridor Separation Smoke Barrier Separation Party/Fire Wall S Smoke Barrier Separation Party/Fire Wall S Smoke Barrier Separation Party/Fire Wall S	AT F SEPA DIS (F , including , trusses))))))))))))))))))	FIRE PR RATION ANCE REATION ANCE REATION ANCE REATION A 0 HI 30' 0 HI A 0 HI /A	PECTION REC RATING PROVIDED REDUCTION) R 0 HR R 0 N/A N/A <td>QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A</td> <td>S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td> <td>DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td> <td>DESIGN RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td>	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional Factory Hazardous Institutional Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Comms witt Refrigerant	10,735 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2 Low$ $\square Enclosed$ $\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\square I-2$ $\square I-2$ $\square R-2$ te $\square R-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\square I-$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb □ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard 0 Repair Gard 0 Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 A-4 A-5 Ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age Btu per hour input	BUILDING ELEMER Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Ass Columns Support Shaft Enclosures – Other Corridor Separation Party/Fire Wall S	AT F SEPA DIS (F , including , trusses))))))))))))))))))	FIRE PR RATION ANCE RET) RECY R	P PROVIDED RATING PROVIDED Q PROVIDED REDUCTION) Q Q HR Q HR <	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Institutional I-3 Condition Mercantile Residential <td< td=""><td>10,735 SQFT</td><td>$\begin{vmatrix} A-2 \\ A-2 \\ A-2 \\ A-2 \\ A-2 \\ A-2 \\ B \\ B \\ B \\ B \\ C \\ C \\ C \\ C \\ C \\ C$</td><td>□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb □ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard 0 Repair Gard 0 Repair Gard</td><td>ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 A-4 A-5 Ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age Btu per hour input</td><td>BUILDING ELEMEN Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Ass Columns Support Shaft Enclosures Shaft Enclosur</td><td>AT F SEPA DIS (F , including , trusses))))))))))))))))))</td><td>FIRE PR IRE RATION ANCCE EET) /A 0 Hf 30' 0 Hf A 0 Hf /A 0 H</td><td>P PROVIDED RATING PROVIDED Q PROVIDED REDUCTION) Q Q HR Q HR <</td><td>QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A</td><td>S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td><td>DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td><td>DESIGN RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td></td<>	10,735 SQFT	$ \begin{vmatrix} A-2 \\ A-2 \\ A-2 \\ A-2 \\ A-2 \\ A-2 \\ B \\ B \\ B \\ B \\ C \\ C \\ C \\ C \\ C \\ C$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb □ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard 0 Repair Gard 0 Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 A-4 A-5 Ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age Btu per hour input	BUILDING ELEMEN Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Ass Columns Support Shaft Enclosures Shaft Enclosur	AT F SEPA DIS (F , including , trusses))))))))))))))))))	FIRE PR IRE RATION ANCCE EET) /A 0 Hf 30' 0 Hf A 0 Hf /A 0 H	P PROVIDED RATING PROVIDED Q PROVIDED REDUCTION) Q Q HR Q HR <	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Incinerator	10,735 SQFT	$ \begin{vmatrix} A-2 \\ $	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb □ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard 0 Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 A-4 A-5 Ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age Btu per hour input	BUILDING ELEMEN Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Ass Columns Support Shaft Enclosures Shaft Enclosur	AT SEPA DIS (F) including , trusses))))))))))))))))))	FIRE PR RATION ANCE REATION ANCE REATION ANCE REQ'I A 0 Hf 30' 0 Hf A 0 Hf /A 0 Hf /A 0 Hf /A 0 Hf /A 0 Hf /A 0 Hf /A 0 Hf A 0	P PROVIDED RATING PROVIDED Q PROVIDED REDUCTION) Q Q HR Q HR <	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR ASSEMBLY ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Refrigerant Hyd	10,735 SQFT	$ \begin{vmatrix} A-2 \\ $	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb □ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard ∴ Repair Gard ∴ Sover 400,000 of equipment is ov hup H ted in occupancies	ust $ -4 $ Health $ -5 $ HPM -4 4 $ 5 R-4 Parking Garageage A-4 A-5 A-4 A-5 HPM -4 4 5 R-4 Parking GarageageBtu per hour inputrer 15 psi and 10 horsepower$	BUILDING ELEMER Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Ass Columns Support Shaft Enclosures - Other Corridor Separati Occupancy/Fire Barrier Separation Party/Fire Wall S Smoke Barrier S Tenant/Dwelling Steeping Unit Se Incidental Use S +Indicate section	AT SEPADIS (F) including) trusses)))))))))))))	FIRE PR IRE RATION TANCE REQ'I I/A 0 J/A	RATING PROVIDED RATING PROVIDED REDUCTION) R 0 HR 0 HA	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR ASSEMBLY ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Residential Storage Utility and Mise Refrigerant Hydrogen of Incinerator Paint shop Laboratories	10,735 SQFT	A-2 te F-2 Low te H-2 Deflage I-2 I-2 2 te S-2 Low Enclosed A-2 te F-2 Low A-2 te F-2 Low I-2 I-2 2 te S-2 Low te H-2 Deflage I-2 2 te S-2 Low Enclosed I-2 2 te S-2 Low I-2 3 4 5-2 Low 5-2	$ \begin{vmatrix} A-3 \\ rate \end{vmatrix} +-3 \ Comb \\ \boxed{A-3} \\ \begin{vmatrix} B-3 \\ B-3 \\ High-piled \\ Repair \ Gard \\ \begin{vmatrix} A-3 \\ B-3 \\ B-3 \\ B-3 \\ \begin{vmatrix} B-3 \\ B-3 \\ B-3 \\ B-3 \\ B-3 \\ \begin{vmatrix} B-3 \\ B$	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 A-4 A-5 A-4 A-5 I-4 4 5 R-4 Parking Garage age Btu per hour input ver 15 psi and 10 horsepower	BUILDING ELEMER Structural frame columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Ass Columns Support Shaft Enclosures - Other Corridor Separation Shaft Enclosures - Other Corridor Separation Smoke Barrier Separation Party/Fire Wall S Smoke Barrier Separation Emergency Li Exit Signs: Fire Alarm:	AT SEPA DIS (F) including) trusses N >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	FIRE PR RATION ANCE REATION ANCE REATION ANCE REQ'I A 0 Hf 30' 0 Hf A 0 Hf /A 0 Hf A	PROVIDED RATING PROVIDED REDUCTION) Q HR Q	QUIREMENT AND AND AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR ASSEMBLY ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional Factory Hazardous Institutional Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Refrigerant Hydrogen	10,735 SQFT I A-1 I F-1 Moderation I H-1 Detonation I I Interview I Interview Interview I Intervie	A-2 te F-2 Low te H-2 Deflage I-2 2 te S-2 Low Enclosed A-2 te F-2 Low A-2 te F-2 Low A-2 te H-2 Deflage I-2 2 te S-2 Low Enclosed B-2 te S-2 Low Enclosed Complete to the largest piece of Complete to the largest field as Gro as Group H, locat hops, not classified quare feet th padded surfact	$ \begin{vmatrix} A-3 \\ rate \end{vmatrix} +-3 \ Comb \\ \boxed{A-3} \\ \begin{vmatrix} B-3 \\ B-3 \\ High-piled \\ Repair \ Gard \\ \begin{vmatrix} A-3 \\ B-3 \\ B-3 \\ B-3 \\ \begin{vmatrix} B-3 \\ B-3 \\ B-3 \\ B-3 \\ B-3 \\ \begin{vmatrix} B-3 \\ B$	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 A-4 A-5 A-4 A-5 I-4 4 5 R-4 Parking Garage age Btu per hour input ver 15 psi and 10 horsepower	BUILDING ELEMER BUILDING ELEMER Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction Including support and joists Roof construction Including support and joists Roof construction Including support and joists Roof Coiling Ass Columns Support Shaft Enclosures - Other Corridor Separation Shaft Enclosures - Other Corridor Separation Smoke Barrier S Tenant/Dwelling Sleeping Unit Se Incidental Use S +Indicate section Ermergency Li Exit Signs: Fire Alarm: Smoke Detect	AT SEPA DIS (F) including) trusses N))))))))))))))))))	FIRE PR IRE REQ'I IA 0 J/A 0 30' 0 30' 0 30' 0 30' 0 30' 0 30' 0 30' 0 30' 0 30' 0 30' 0 J/A N/A <t< td=""><td>PROVIDED RATING PROVIDED REDUCTION) Q HR Q</td><td>QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A</td><td>S DESIGN# FOR ASSEMBLY ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td><td>DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td><td>DESIGN FOR RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td></t<>	PROVIDED RATING PROVIDED REDUCTION) Q HR Q	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR ASSEMBLY ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Incinerator Rooms witt Refrigerant Hydrogen of Inc	10,735 SQFT I A-1 I F-1 I H-1 I I I F-1 I I	$ \begin{vmatrix} A-2 \\ A$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb □ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ Repair Gard	ust $ -4 $ Health $ -5 $ HPM -4 4 = 5 R-4 Parking Garageage $ A-4 = A-5 Ust -4 Health -5 HPM -4 4 = 5 R-4 Parking GarageageBtu per hour inputver 15 psi and 10 horsepoweris other than Group Fed in a Group E or I-2 occupancy$	BUILDING ELEMER BUILDING ELEMER Structural frame columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction Including support and joists Roof construction Including support and joists Roof Ceiling Ass Columns Support Shaft Enclosures - Other Corridor Separation Shaft Enclosures - Other Corridor Separation Party/Fire Wall S Smoke Barrier S Tenant/Dwelling Sleeping Unit Se Incidental Use S *Indicate section Emergency L Exit Signs: Fire Alarm: Smoke Detecto Panic Hardwo	AT SEPA DIS (F) including) trusses N))))))))))))))))))	FIRE PR RATION ANCE REATION ANCE REATION ANCE REQ'I A 0 Hf 30' 0 Hf A 0 Hf /A 0 Hf A	RATING PROVIDED RATING PROVIDED REDUCTION) R 0 REDUCTION) 0 N/A N	QUIREMENT AND AND AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR ASSEMBLY ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Refrigerant Hydrogen of Incinerator Paint shop Laboratories Laundry ro Group I-3 Group I-2 Waste and	10,735 SQFT I A-1 I F-1 I I	 A-2 te □ F-2 Low te □ H-2 Deflagr □ I-2 ⊠ 2 te □ S-2 Low □ A-2 te □ F-2 Low □ A-2 te □ F-2 Low □ A-2 te □ H-2 Deflagr □ I-2 2 te □ S-2 Low Enclosed a-2 te □ S-2 Low □ Enclosed iece of equipment he largest piece of a Group H, locat hops, not classified quare feet ith padded surface collection rooms rooms over 100 s ystems having a I 	$\Box A-3$ rate $\Box H-3 Comb$ $\boxtimes I-3$ $\Box 3$ $\Box R-3$ $\Box High-piled$ $\Box Repair Gard$ $\Box A-3$ rate $\Box H-3 Comb$ $\Box I-3$ $\Box 3$ $\Box R-3$ $\Box R-3$ $\Box High-piled$ $\Box Repair Gard$ $\Box Repair Gard$ $\Box s over 400,000$ of equipment is over high - piled and a second seco	ust $ -4 $ Health $ -5 $ HPM -4 4 = 5 R-4 Parking Garageage $ A-4 = A-5 Ust -4 Health -5 HPM 1-4 4 = 5 R-4 Parking GarageageBtu per hour inputver 15 psi and 10 horsepower other than Group F ed in a Group E or -2 occupancy$	BUILDING ELEMER BUILDING ELEMER Structural frame columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction Including support and joists Roof construction Including support and joists Roof Ceiling Ass Columns Support Shaft Enclosures - Other Corridor Separation Shaft Enclosures - Other Corridor Separation Party/Fire Wall S Smoke Barrier S Tenant/Dwelling Sleeping Unit Se Incidental Use S *Indicate section Emergency L Exit Signs: Fire Alarm: Smoke Detecto Panic Hardwo	AT SEPADIS (F) including) trusses)))))))))))))	FIRE PR IRE RATION TANCE REQ'I I/A 0 J/A	RATING PROVIDED RATING PROVIDED REDUCTION) R 0 REDUCTION) 0 N/A N	QUIREMENT AND AND AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR ASSEMBLY ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
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2nd Floor 1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Institutional I-3 Condition Mercantile Residential Storage Utility and Mise Refrigerant Hydrogen Incinerator Paint shop Laboratories Laundry ro Group I-3 Group I-3 Group I-3 Group I-3 Hydrogen of	10,735 SQFT I A-1 I F-1 I I	$ \begin{vmatrix} A-2 \\ A$	$\Box A-3$ rate $\Box H-3 Comb$ $\boxtimes I-3$ $\Box 3$ $\Box R-3$ $\Box High-piled$ $\Box Repair Gard$ $\Box A-3$ rate $\Box H-3 Comb$ $\Box I-3$ $\Box 3$ $\Box R-3$ $\Box R-3$ $\Box High-piled$ $\Box Repair Gard$ $\Box Repair Gard$ $\Box s over 400,000$ of equipment is over high - piled and a second seco	ust $ -4 $ Health $ -5 $ HPM -4 4 = 5 R-4 Parking Garageage $ A-4 = A-5 Ust -4 Health -5 HPM 1-4 4 = 5 R-4 Parking GarageageBtu per hour inputver 15 psi and 10 horsepower other than Group F ed in a Group E or -2 occupancy$	BUILDING ELEMEN BUILDING ELEMEN Structural frame, columns, girders Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls an Floor construction Including support and joists Roof construction Including support and joists Roof construction Including support and joists Roof Ceiling Ass Columns Support Shaft Enclosures - Other Corridor Separation Staft Enclosures - Other Corridor Separation Party/Fire Wall S Smoke Barrier S Tenant/Dwelling Sleeping Unit Se Incidental Use S *Indicate section Emergency Li Exit Signs: Fire Alarm: Smoke Detector Panic Hardword Carbon Mono	AT SEPARATION DIST/	FIRE PR IRE RATION ANCE REQ'I I/A 0 30' 0 30' 0 30' 0 30' 0 30' 0 30' 0 30' 0 30' 0 30' 0 30' 0 4 0 1/A	OTECTION REC RATING PROVIDED REDUCTION) Q HR	QUIREMENT DETAIL# AND AN/A N/A N/A N/A N/A N/A N/A N/A N/A N/	S DESIGN# FOR ASSEMBLY ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATEL JOINT N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
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(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 503 ⁵ AREA	(C) AREA FOR OPEN SPACE INCREASE ^{1,6}	(D) AREA FOR SPRINKLER INCREASE ²	(E) ALLOWABLE AREA OR UNLIMITED ^{3,4}	(F) MAXIMUM BUILDING AREA ⁴
		-			

Al	LOWABLE HEIGHT			
ABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE	
•		Туре		/ X
-0 "	Feet=H+20'= <u>N/A</u>	16'-0"	504.3	
IL	Stories+1=N/A	1 STORY	504.4	

		RATING	DETAIL#	DESIGN#	DESIGN#	DESIGN#
DN E	REQ'D	PROVIDED (W/* REDUCTION)	AND SHEET#	FOR RATED ASSEMBLY	FOR RATED PENETRATION	FOR RATED JOINTS
		REDUCTION)				
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A

🖾 No	\boxtimes
🖾 No	\boxtimes
🗆 No	\boxtimes
🗆 No	\boxtimes
NZ	

Yes Yes	Partial DUCT SMOKE DETECTION
🗌 Yes	

			/	
: ES	DEGREE OF OPENINGS PROTECTIONS (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOW ON PLANS (%)	N/A
	00 °	00	00	
	00	00	00	
	00°	00	00	

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: ____

- ☐ Fire and/or smoke rated wall locations (Chapter 7)
- Assumed and real property line locations
- Exterior wall opening area with respect to distance to assumed property lines (705.8)
- Existing structures within 30 feet of the proposed building □ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)

N/A

 \rightarrow

- □ Occupant loads for each area
- Exit access travel distances (1017)
- □ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- Dead end lengths (1020.4) ☐ Clear exit widths for each exit door
- 🔲 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- Actual occupant load for each exit door
- A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is
- provided for purposes of occupancy separation Location of doors with panic hardware (1010.1.10)
- Location of doors with delayed egress locks and the amount of delay (1010.1.9.7.)
- □ Location of doors with electromagnetic egress locks (1010.1.9.9)
- □ Location of doors equipped with hold—open devices □ Location of emergency escape windows (1030)
- ☐ The square footage of each fire area (202)

 \Box The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)

□ Note any code exceptions or table notes that may have been utilized regarding the items above

		ACC	CESSIBLE DV (SECTIO		ITS		N/.	\leq
TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED	
00	00	00	00	00	00	00	00	

ACCESSIBLE PARKING (SECTION 1106)

	TOTAL # OF P	ARKING SPACES	# OF AC	CESSIBLE SPACES	PROVIDED	
LOT OR			REGULAR WITH	VAN SPA	CES WITH	TOTAL #
PARKING AREA	REQUIRED	PROVIDED	5' ACCESS AISLE	132" ACCESS AISLE	8' ACCESS AISLE	ACCESSIBLE
NAME	00	00	00	00	00	00
NAME	00	00	00	00	00	00
OTAL	00	00	00	00	00	00

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

U	SE		WATER CLOS	ets	URINALS		LAVATORIES		SHOWERS	DRINKIN	g fountains
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	/TUBS	REGULAR	ACCESSIBLE
SPACE	EXISTING	5	5	2	0	4	4	2	14	0	1
	NEW	5	5	3	0	4	4	3	14	0	2
	REQUIRED	NCBC 290 PATTERNS ONLY AFFE AREAS ARE	OF PROFES	NG FIXTURE	D SEMI—P S IN TEA	NG FIXTURE PROFESSION M AREAS; F ECT'S SCOF	AL SOCCER PLUMBING F	CORDANCE TEAMS UT TIXTURES IN	II I7ING TH		RENOVATIONS

ENERGY SUMMARY

ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

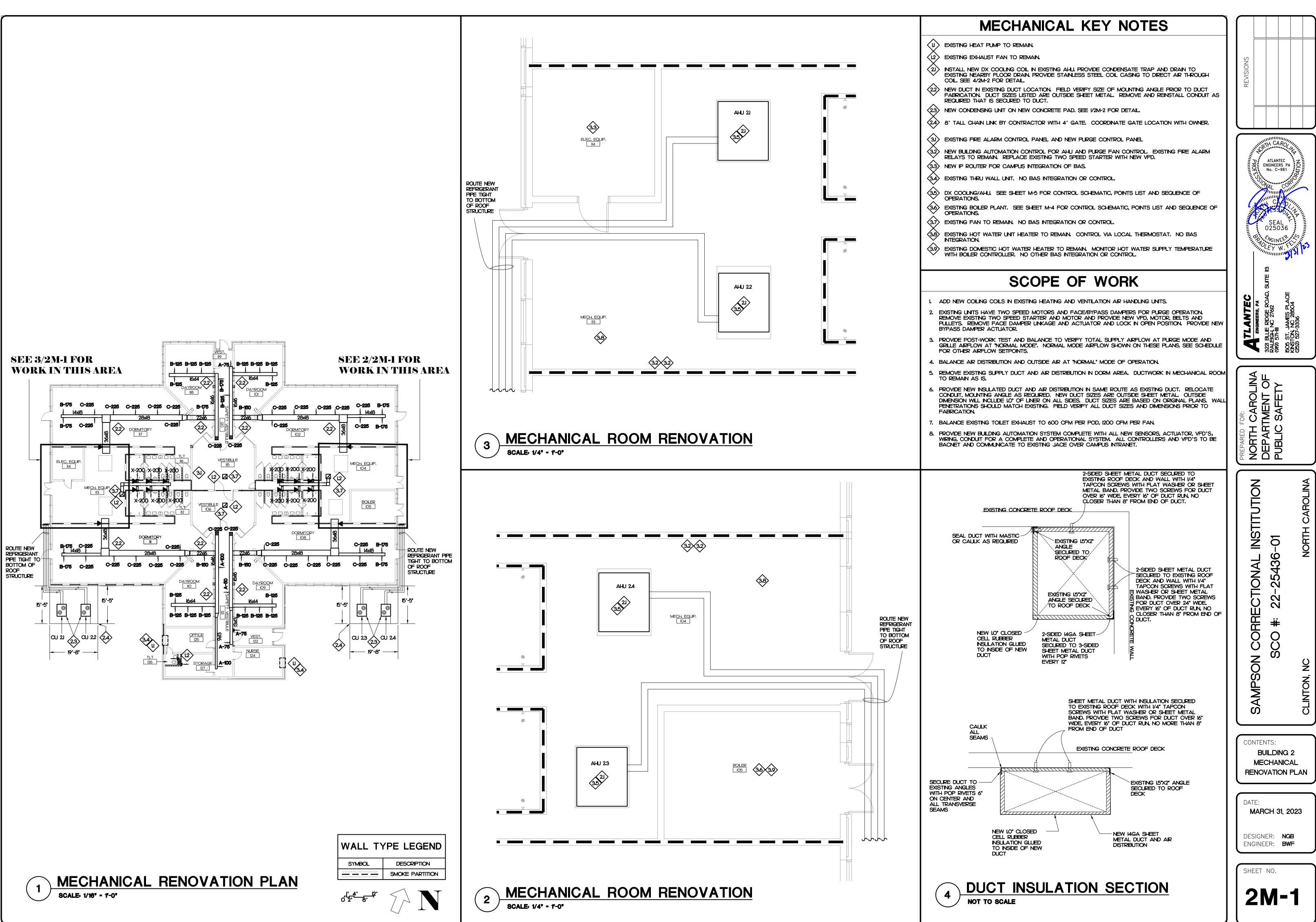
Existing building envelope complies with code: \square No/ \square Yes (The remainder is then N/A) Exempt Building: 🗆 No 🖾 Yes (Provide code or summary reference): 2018 NCEBC 811 Climate Zone: 🛛 3A 🛛 4A 🔲 5A

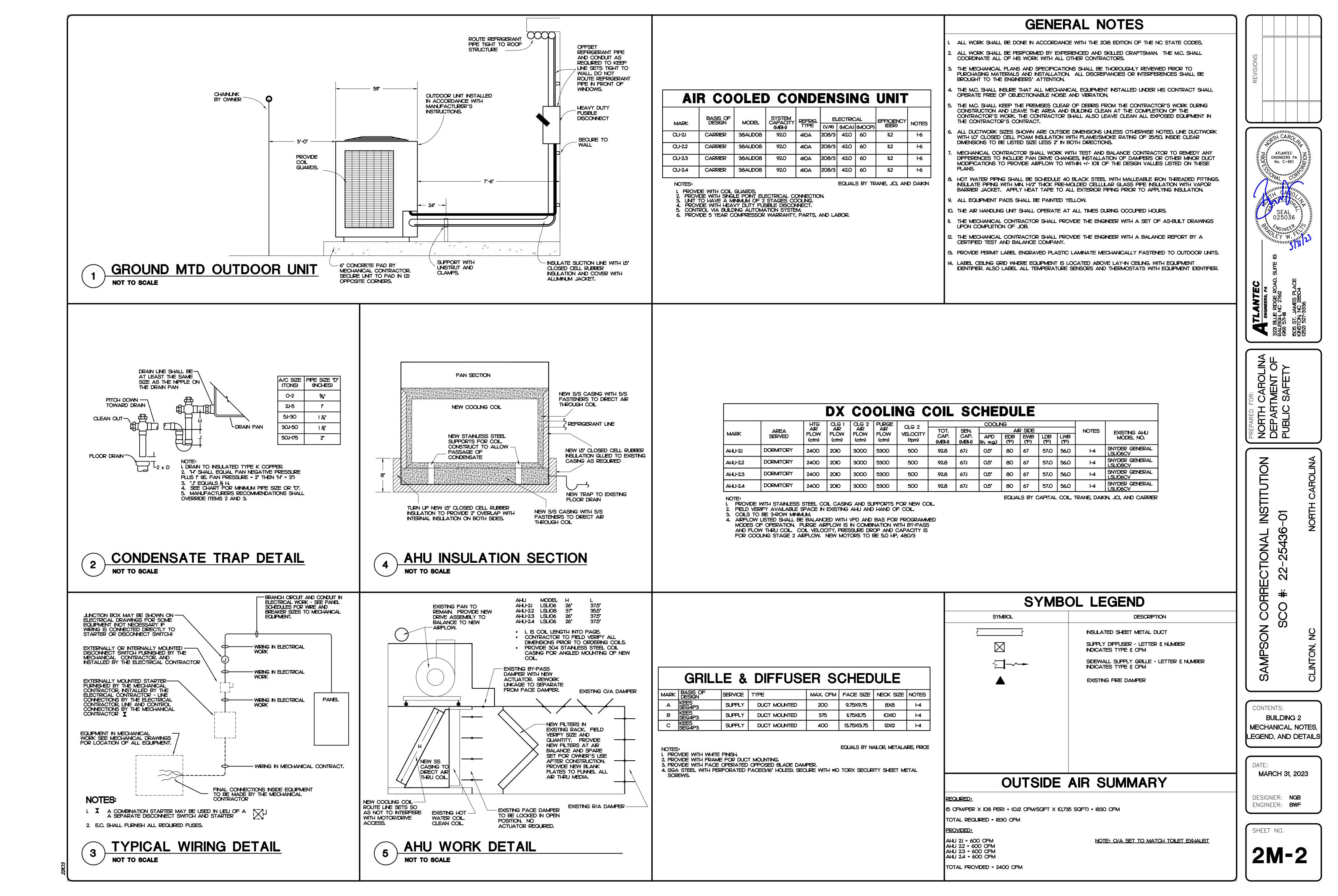
Method of Compliance:	Energy Code 🗌 Performance	Prescriptive
	ASHRAE 90.1 🗌 Performance	Prescriptive
	If "Other" specify here)	

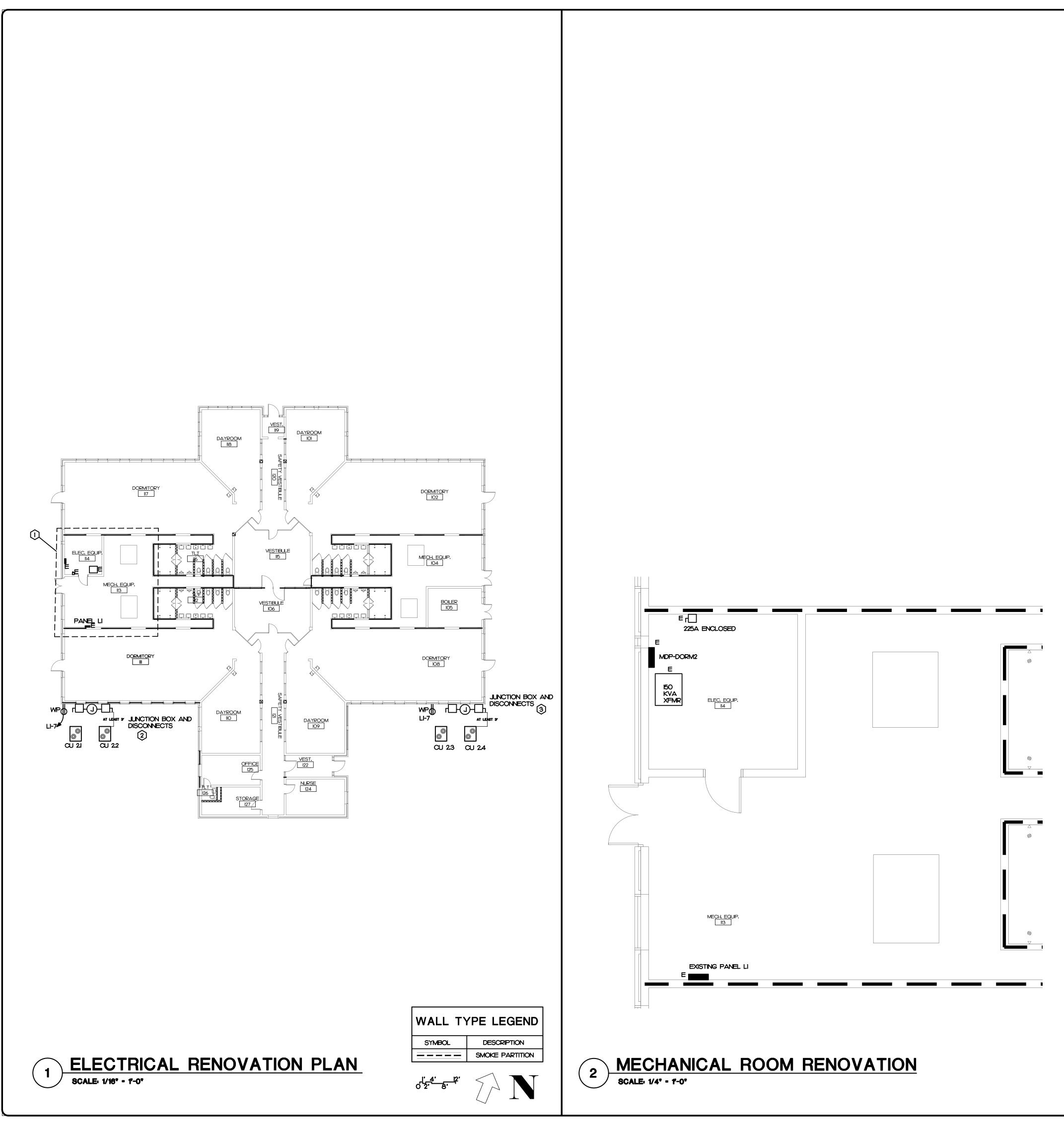
THERMAL ENVELOPE (Prescriptive method only)

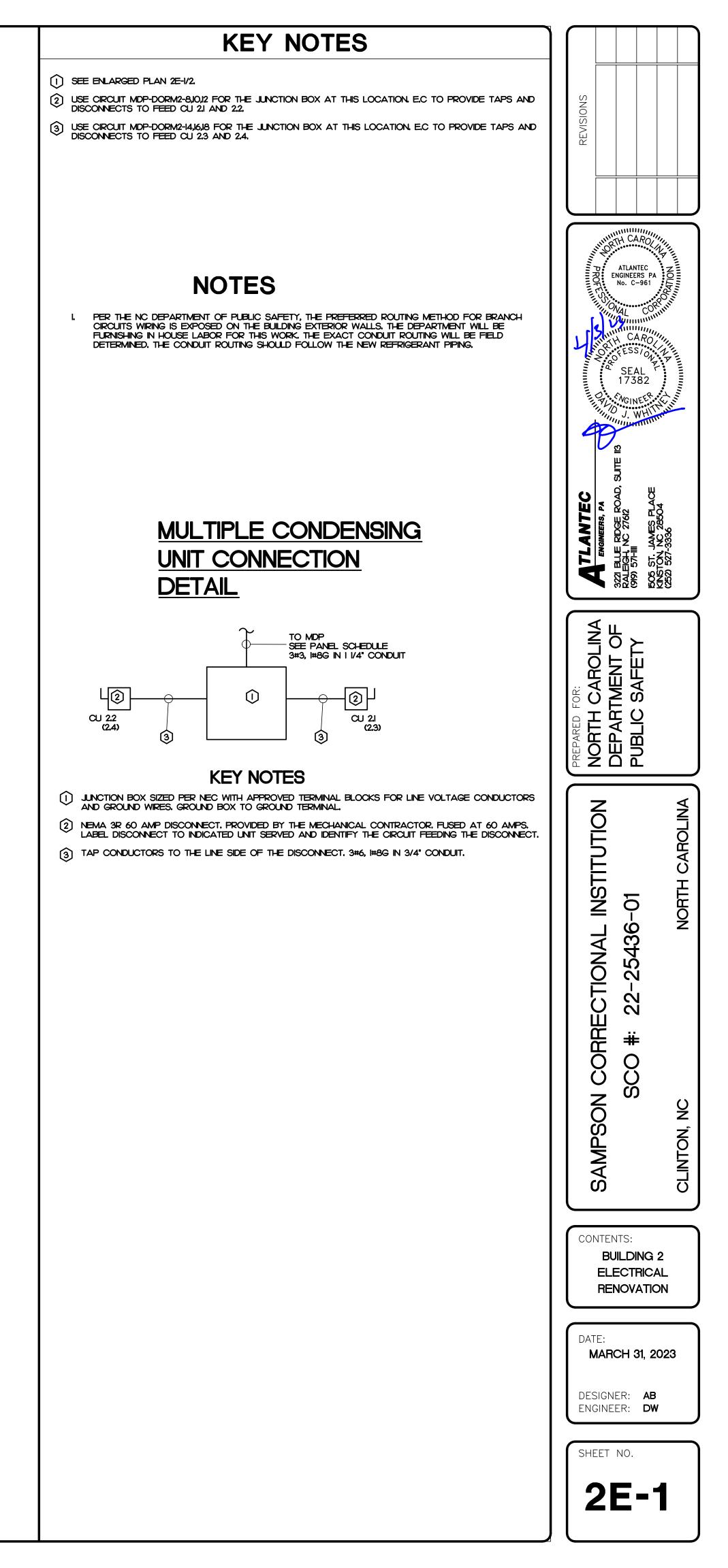
······································	
Roof/Ceiling Assembly (each assembly)	
Description of assembly	<u>N/A</u>
U—Value of total assembly	N/A
R–Value of insulation	N/A
Skylights in each assembly	N/A
U-Value of skylight	N/A
Total square footage of skylights in each assembly	
Exterior Walls (each assembly)	
Description of assembly	N/A
U-Value of total assembly	N/A
R-Value of insulation	N/A
Openings (windows or doors with glazing)	N/A
U-Value of assembly	
Solar heat gain coefficient	N/A
Projection factor	N/A
Door R-Values	N/A
Walls below grade (each assembly)	
Description of assembly	N/A
U-Value of total assembly	
R-Value of insulation	N/A
Floors over unconditioned space (each assembly)	
Description of assembly	N/A
U-Value of total assembly	N/A
R-Value of insulation	N/A
Floors slab on grade	
Description of assembly	N/A
U-Value of total assembly	N/A
R-Value of insulation	N/A
Horizontal/vertical requirement	N/A
Slab heated	N/A

SPECIAL APPROVALS	Ω Ω	
Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)	EVISION	
<u>N/A</u>		
	HINNING CAROLING	
STRUCTURAL DESIGN	ATLANTEC Z	
DESIGN LOADS: Importance Factors: Wind (I _W)	RO ENGINEERS PA	
Snow (I_S) Seismic (I_E)	MAL CORTIN	
Live Loads: Roofpsf Mezzaninepsf	NY H CAROLINI	
Floorpsf Ground Snow Load:psf Wind Load: Basic Wind Speedmph (ASCE-7)	© SEAL 025036	
Exposure Category Vy = Vy =	DA WGINEER C	
SEISMIC DESIGN CATEGORY:	MILEY W. Y WIL	2
Provide the following Seismic Design Parameters:	е Ш	
Occupancy Category (Table 1604.5) Spectral Response Acceleration S _s %g S ₁ /%g), SUITE	
Site Classification (Table 1613.5.2)	TEC s, ra 612 104 104	
Basic structural system (check one)	LANTEC ENGINEERS, PA E RIDGE ROAD, L NC 27612 III V NC 28504 7-3336	
Building Frame Dual w/Intermediate R/C or Special Steel	571-11 571-11 577-11	
Seismic base shear: Vx = Vy = Analysis Procedure:		
Architectural, Mechanical, Components anchored? 🗆 Yes 🛛 No		
LATERAL DESIGN CONTROL: Earthquake Wind		
SOIL BÉARING CAPACITIES: Field Test (provide copy of test report) psf		
Presumptive Bearing capacity psf Pile size, type, and capacity	CA CA SA SA	
SPECIAL INSPECTIONS REQUIRED: Yes No		
	PREPARED NORTH DEPAF PUBLIC	
MECHANICAL SUMMARY		\leq
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT		NA.
Thermal Zone 4A Winter dry bulb <u>16°F</u>	ΙĔ	ROL
Summer dry bulb 93°F 46%	ΙĔ	CA
Interior design conditions Winter dry bulb 70°F	INSTITU -01	NORTH CAROLINA
Summer dry bulb <u>74°F</u> Relative humidity <u>50%</u>		NO NO
Building heating load	CTIONAL IN 22-25436-01	
Building cooling load	-52 <u>-</u> 2	
Mechanical Spacing Conditioning System Unitary Description of unitSPLIT SYSTEM COOLING AIR-COOLED WITH HOT WATER HEAT		
Description of unit SPLIT STSTEIVI COULING AIR-COULED WITH HOT WATER HEAT		
Heating efficiency	₩ ₩	
Heating efficiency Cooling efficiencyIO.3 EER Size category of unit_92 MBH		
Heating efficiency Cooling efficiency IO.3 EER Size category of unit 92 MBH Boiler Size category. If oversized, state reason368 MBH Chiller	V CORR SCO #	
Heating efficiency Cooling efficiency	SCO #	l, NC
Heating efficiency Cooling efficiency	APSON CORR SCO #:	TON, NC
Heating efficiency Cooling efficiency	SAMPSON CORR SCO #:	SLINTON, NC
Heating efficiency - Cooling efficiency IO.3 EER Size category of unit 92 MBH Boiler 368 MBH Size category. If oversized, state reason. Chiller N/A Size category. If oversized, state reason. N/A Size category. List equipment efficiencies SEE 2M-I		CLINTON, NC
Heating efficiency Cooling efficiency Size category of unit <u>92 MBH</u> Boiler Size category. If oversized, state reason. Chiller Size category. If oversized, state reason. N/A List equipment efficiencies		CLINTON, NC
Heating efficiency - Cooling efficiency IO.3 EER Size category of unit 92 MBH Boiler 368 MBH Size category. If oversized, state reason. N/A Chiller N/A Size category. If oversized, state reason. N/A List equipment efficiencies SEE 2M-I ELECTRICAL SUMMARY ELECTRICAL SUMMARY ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance Energy Code: Prescriptive Performance ASHRAE 90.1: Prescriptive Performance	CONTENTS: BUILDING 2	CLINTON, NC
Heating efficiency - Cooling efficiency IO.3 EER Size category of unit 92 MBH Boiler 368 MBH Chiller N/A Size category. If oversized, state reason. N/A List equipment efficiencies SEE 2M-I ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance Energy Code: Prescriptive Performance ASHRAE 90.1: Prescriptive Performance Lighting schedule (each fixture type) Image for the fixture type	CONTENTS:	CLINTON, NC
Heating efficiency - Cooling efficiency IO.3 EER Size category of unit 92 MBH Boiler 368 MBH Chiller N/A Size category. If oversized, state reason. N/A List equipment efficiencies SEE 2M-I ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance Energy Code: Prescriptive Performance ASHRAE 90.1: Prescriptive Performance Lighting schedule (each fixture type) Image for the fixture type	CONTENTS: BUILDING 2	CLINTON, NC
Heating efficiency	CONTENTS: BUILDING 2 APPENDIX B DATE:	
Heating efficiency - Cooling efficiency O.3 EER Size category of unit 92 MBH	CONTENTS: BUILDING 2 APPENDIX B	
Hedding efficiency O.3 EER Cooling efficiency O.3 EER Size category of unit 92 MBH Boiler Size category. If oversized, state reason. Chiller N/A Size category. If oversized, state reason. N/A List equipment efficiencies SEE 2MH ELECTRICAL SUMMARY ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance Energy Code: Energy Code: Prescriptive Performance ASHRAE 90.1: Number of lamps in fixture Number of lamps in fixture Number of balasts in the fixture Human Number of balast specified vs. allowed Human Total exterior wattage specified vs. allowed Human Additional Prescriptive Computer Performance Cotal seterior Efficient Megnantal Equipment Performance Seterior	CONTENTS: BUILDING 2 APPENDIX B DATE: MARCH 31, 2023 DESIGNER: BWF	
Hedding efficiency D.3 EER Size cotegory of unit 92 MBH Boiler Size cotegory, If oversized, state reason. Chiller Size cotegory, If oversized, state reason. N/A Size cotegory, If oversized, state reason. N/A Size cotegory, If oversized, state reason. N/A List equipment efficiencies SEE 2M-I ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance Energy Code: Prescriptive Performance ASHRAE 90.1: Prescriptive Performance Lighting schedule (each fixture type) Lomp type required in fixture Number of ballosts in the fixture Noted of ballosts in the fixture Noted of ballosts in	CONTENTS: BUILDING 2 APPENDIX B DATE: MARCH 31, 2023	
Hetring efficiency	CONTENTS: BUILDING 2 APPENDIX B DATE: MARCH 31, 2023 DESIGNER: BWF	
Heating efficiency 0.3 EER Size cotegory of unit 92 MBH Boiler Size cotegory. If oversized, state reason. Size cotegory. If oversized, state reason. N/A Chiller N/A Size cotegory. If oversized, state reason. N/A List equipment efficiencies SEE 2MH ELECTRICAL SYSTEM AND EQUIPMENT ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance Energy Code: Energy Code: Prescriptive Ighting schedule (each fixture type) Lamp type required in fixture Number of lomps in fixture Number of lomps in the fixture Number of ballests in the fixture Total exterior wettage specified vs. allowed the fixture Additional Prescriptive Compliance Code, 2 More Efficient Mechanical Equipment Performance C406.2 More Efficient Mechanical Equipment Performance C406.3 Reduced Lighting wer Density C406.5 On-Site Compliance Equipment Derformance C406.5 Son-Site Compliance Energy	Contents: Building 2 Appendix B Date: March 31, 2023 Designer: BWF Engineer: BWF	









SYMBOL LEGEND

<u>SYMBOL</u>

E 💼

WP,

- JUNCTION BOX SIZED PER N.E.C.
- Г DISCONNECT SWITCH SEE PLANS FOR SIZE AND TYPE
- NEW CONCEALED WIRING
- HOME RUN TO PANEL BOARD NUMBERS OF ARROW INDICATE CIRCUITS

EXISTING 120/208V 30, 4W PANEL BOARD - SEE PANEL SCHEDULES SINGLE POLE TOGGLE SWITCH. MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE.

DESCRIPTION

- SPECIFICATION GRADE, WEATHER RESISTANT AND GFCI DUPLEX RECEPTACLE WITH IN-USE WEATHER PROOF COVER. MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED.
- EXISTING Ε

SEE SPECIFICATIONS PER N.E.C. PER NE.C. SEE SPECIFICATIONS

<u>REMARKS</u>

SEE SPECIFICATIONS

SEE SPECIFICATIONS

PANEL MDP-	DORM2												12	0/208V, 3 PHASE	, 4 WIRE	PANEL	L1											12	20/208V, 3 PH	IASE, 4 WIF
CKT DESCRIPTIO	N KVA	С	G	W	СВ	СКТ		CB		G	С	KVA		DESCRIPTION	CKT	СКТ	DESCRIPTIC	ON	KVA	C	G	W CB	CKT	CKT	CB W	G	C	KVA	DESCRIPTION	I C
1 L1 PANEL	10.4	E	E	E	225		2	200	E	E	E	11.1		MEDICAL TRA		1 SPARE			0.0			20	1	2	20 E	E	E	1.0	FAN OUTL	ET B WING
3	9.0			E	3P	-	4	3P	E			11.1			4	3 SPARE			0.0			20	3	4	20			0.0		SPARE
5	9.7			E		5	6		E			11.1			6	5 SPARE			0.0			20	5	6	20		-	0.0		SPARE
7 L2 PANEL	5.9	E	E	E	225			100		8	1 1/4	10.1	NOTE 2	CU2	1,2.2 8	7 REC EXTER	RIOR	NOTE 2	0.4	1/2	12	12 20	7		20 -			0.0		SPARE
9	5.9			E	3P		10		3			10.1	_		10	9 SPARE			0.0			20	9	10	20	-	-	0.0		SPARE 1
11	5.9			E		11	12		3			10.1			12	11 SPARE			0.0	-		20	11	12	20			0.0		SPARE 1
13 L3 PANEL	5.9	E	E	E	150			100		8	1 1/4	10.1	NOTE 2	CU2	.3,2.4 14	13 NIGHT LIGH	TS		1.0	E	E	E 20	13	14	20			0.0		SPARE 1
15	5.9			E	3P	15		3P	1			10.1	_		16	15 LTS			1.0	E	E		15		20			0.0		SPARE 1
17	5.9		_	E		17	18		1			10.1			18	17 LTS			1.0	E	E		17		20			0.0		SPARE
19 SPACE ONLY	0.0		_			19	20					0.0	_	SPACE (ONLY 20	19 LTS			1.0		E	E 20			20			0.0		SPARE 2
21	0.0		_			21	22	-			*	0.0	_		22	21 LTS(MECH			1.0	E	E	E 20			20 E	E	E	0.5		REC 2
23	0.0		_			23	24					0.0		in the best	24	23 SPACE ON			0.0				23		20 E	E	E	0.5		REC 2
25 SPACE ONLY	0.0					25	26		-			0.0			ONLY 26	25 SPACE ON			0.0				25	-	20 E	E	E	0.5		REC 2
27 SPACE ONLY	0.0		-			27	28					0.0			ONLY 28	27 SPACE ON	LY		0.0			20	27		20 E	E	E	0.0		SPARE 2
29 SPACE ONLY	0.0		1			29	30					0.0			ONLY 30	29 REC			0.5	E	-	E 20			20 E		E	0.5		REC
31 SPACE ONLY	0.0					31	32					0.0			ONLY 32	31 EWC			1.0	E	1	E 20			20 E			1.0		EWC
33 SPACE ONLY	0.0					33	34					0.0	_		ONLY 34	33 UNIT HEATE			1.0			E 20			20 E		E	1.0		T EX FAN 2
35 SPACE ONLY	0.0					35	36	_				0.0		SPACE (Contraction and the second second	35 VENT FAN	5		1.7	E		E 20			20 E		E	1.0		CRM FAN 9
37 SPACE ONLY	0.0	C-sc-	1000		0.00	37	38					0.0			ONLY 38	37			1.7			E 2P			30 E	E	E	2.9	VE	ENT FAN 12
39 SPACE ONLY	0.0					39	40					0.0			ONLY 40	39 VENT FAN	6		1.7	E		E 20	39		3P E			2.9		4
41 SPACE ONLY	0.0	-	-			41	42					0.0		SPACE (ONLY 42	41			1.7			E 2P	41	42	- E			2.9		4
DESCRIPTION CONNECTED KVA CONT. LOAD 12.08 RECEPTACLE 10.76 MTRS/COOLS 0.00	FACTORKVA125%15.10100%/50%10.38100%0.00		600 A	MAIN	CIRC	BUS SIZE UIT BRE C RATIN	AKER				N		MOUNTING ICLOSURE BAR	i		CONT. LOAD RECEPTACLE MTRS/COOLS	CONNECTE KVA 5.00 4.86 0.00	FACTOR 125% 100%/50% 100%	DEMAND KVA 6.25 4.86 0.00			iinimum e Ugs onl' Nimum Ai	(NE	RFACE MOUNTING MA 1 ENCLOSURE COUND BAR		
HEATS 0.00	125% 0.00	NOT												CONNECTED LOAD		HEATS	0.00	125%	0.00											
WATER HEATER 0.00 EQUIPMENT 135.79	125% 0.00 90% 122.21	0000												PHASE A:	100 N204	WATER HEATER		125%	0.00								DANCU			
EQUIPMENT 135.79 KITCHEN EQUIP. 0.00	90% 122.21 65% 0.00			E NEW			ATEDS	EXIST	NG BK	ANCH	UKUU	I TO REIV	IAIN	PHASE A: PHASE B:	53.6 KVA		19.30	100%	19.30	IN IN					AIESEX	ISTING B	RANCH	CIRCUIT TO REMA	IN PHASE A:	10.4 K
SPECIAL EQ. 0.00	100% 0.00					ARE CAI								PHASE B: PHASE C:	52.2 KVA	KITCHEN EQUIP.	0.00	65%	0.00		STINGS	SPARE CI	COIL B	REAKER					PHASE B:	9 K
25% OF LARGEST HVAC/MO	DECASTING OPPORT	-3. N		AC LU	JADS I	ARE CAI	LCULA	IEDAI	NUCA						52.9 KVA	SPECIAL EQ.	0.00	100%	0.00	3.									PHASE C:	9.7 K
		4.													158.6 KVA	25% OF LARGES	T HVAC/MC	JIOK	2.00	4.									TOTAL:	29.2 K
TOTAL DEMAND	149.69	5.												DEMAND	415 AMP	TOTAL DEMAND			32.41	5.									DEMAND	90 AI

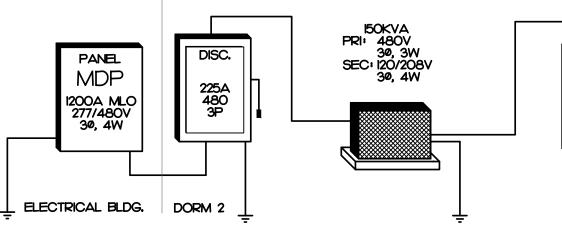
PANEL

MDP-

DORM2

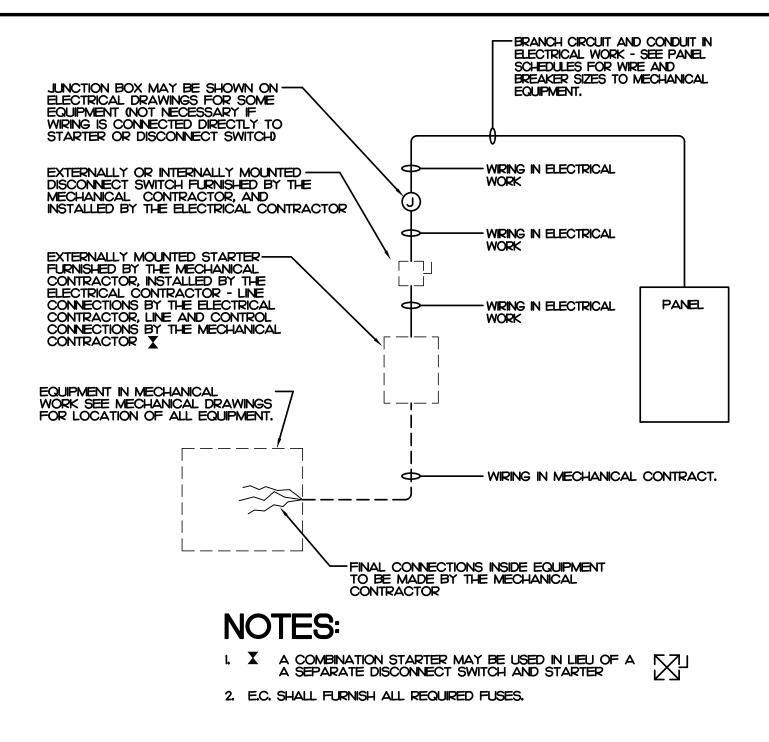
600A MCB 120/208V 30, 4W





NOTE:

I. POWER RISER IS EXISTING TO REMAIN. SHOWN FOR REFERENCE ONLY.



WIRING TO MECHANICAL EQUIPMENT

NOT TO SCALE

MDP LOAD STATEMENT:

EXISTING LOAD AT MDP AND ATS PER UTILITY RECORDS - 214 KW WITH AN ASSUMED POWER FACTOR OF 0.85 AND A DEMAND FACTOR OF 1.25 THE DEMAND LOAD IS 314.71 KVA - ADDED LOAD OF 200.61 KVA (TOTAL OF ALL BUILDINGS) - NEW DEMAND LOAD 515.32 KVA (619.83 AMPS)

GENERAL NOTES

I. THE CONTRACTOR SHALL FIELD VERIFY ALL FLOOR PLAN DIMENSIONS.

- THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT, PRIOR TO THE INSTALLATION OF HIS EQUIPMENT SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMUM MAINTENANCE AND WORKING 2
- 3. USE OF THE CONDUIT SYSTEM FOR EQUIPMENT GROUNDING SHALL NOT BE ACCEPTABLE. A SEPARATE GREEN GROUND WIRE SHALL BE RUN WITH THE CIRCUIT CONDUCTORS IN EACH CONDUIT.
- 4. ALL BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND THE MECHANICAL CONTRACTOR.
- 5. ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND 2020 NATIONAL ELECTRICAL CODE (NFPA 70).
- 6. EACH CONTRACTOR SHALL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE OWNER, PRIOR TO INSTALLATION FOR USE WITH THE ACTUAL EQUIPMENT, CASEWORK, AND MILLWORK TO BE FURNISHED. 7. 8. EQUIPMENT CONNECTIONS:
- MECHANICAL EQUIPMENT: SEE DETAIL ON THIS SHEET
- 9. PENETRATION: WHERE ELECTRICAL EQUIPMENT PENETRATES RATED WALLS AND CEILINGS, EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED PER APPROVED UL METHODS.
 WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED SEALING METHODS.
- 10, ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEWRITTEN PANEL SCHEDULES FOR ALL PANELBOARDS AFFECTED BY THIS WORK. 11.
- 12. AS BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- 13. ALL WIRE SIZES INDICATED ON THE PANEL SCHEDULES ARE BASED ON 75 DEGREE COPPER THHN/THWN WIRE, ALL WIRE TERMINALS AND EQUIPMENT SHALL BE LISTED AND APPROVED FOR 75°C, ONLY THWN-2 WIRE SHALL BE INSTALLED IN WET AND EXTERIOR LOCATION.
- 14. MINIMUM WIRE SIZE SHALL BE #12 AWG. MINIMUM CONDUIT SIZE INSIDE BUILDING SHALL BE 3/4". MINIMUM CONDUIT SIZE OUTSIDE BUILDING SHALL BE 3/4". MINIMUM CONDUIT SIZE UNDER GROUND SHALL BE 1".
- 5. METAL-CLAD CABLE (TYPE MC) AND ARMORED CABLE (TYPE AC) ARE NOT ALLOWED IN THIS PROJECT. 6. THE MAXIMUM NUMBER OF HOMERUNS IN A CONDUIT SHALL NOT EXCEED THREE (3), MULTI-WIRE CIRCUITS WITH SHARED NEUTRAL CONDUCTORS ARE NOT ALLOWED, PROVIDE INDIVIDUAL NEUTRAL FOR EACH SINGLE POLE CIRCUIT.
- 17. WHERE OUTLETS ARE SHOWN BACK TO BACK ON RATED WALLS, STAGGER OUTLETS SO THAT THEY ARE SEPARATED BY A MINIMUM OF 24".
- 18. ALL DISCONNECTS SHALL HAVE SEPARATE NEUTRAL AND GROUND BARS.
- 19. BOXES AND CONDUITS SHALL NOT BE INSTALLED RECESSED IN A 3-HOUR OR HIGHER RATED WALL, WHEN OUTLETS ARE INDICATED ON THESE WALLS, FIELD COORDINATE CONDUIT AND BOX INSTALLATION.
- 20. IT IS THE RESPONSIBILITY OF E.C. TO NOTIFY NORTH CAROLINA DEPARTMENT OF ADMINISTRATION ELECTRICAL INSPECTOR TO SCHEDULE REQUIRED INSPECTIONS. INSPECTION AVAILABILITY IS MONDAY THRU FRIDAY SUBJECT TO THE AHJ SCHEDULE.
- 21. UNDERGROUND RACEWAY
- A. RACEWAYS RUN EXTERNAL TO BUILDING FOUNDATION WALLS, WITH THE EXCEPTION OF BRANCH CIRCUIT RACEWAYS, SHALL BE ENCASED WITH A MINIMUM OF THREE (3) INCHES OF CONCRETE ON ALL SIDES.
- ENCASED RACEWAYS MUST HAVE A MINIMUM COVER OF EIGHTEEN (18) INCHES, EXCEPT FOR RACEWAY CONTAINING CIRCUITS WITH VOLTAGES ABOVE 600V, WHICH MUST HAVE A MINIMUM COVER OF THIRTY (30) INCHES. - ENCASED RACEWAYS SHALL BE OF A TYPE APPROVED BY THE NEC AS "SUITABLE FOR
- CONCRETE ENCASEMENT'. B, BRANCH CIRCUIT RACEWAYS RUN UNDERGROUND EXTERNAL TO BUILDING FOUNDATION WALLS SHALL BE RUN IN RACEWAYS INSTALLED IN ACCORDANCE WITH THE NEC, AND SHALL BE OF A TYPE
- APPROVED BY THE NEC AS "SUITABLE FOR DIRECT BURIAL." MINIMUM RACEWAY SIZE SHALL BE I'. C. ALL UNDERGROUND RACEWAYS SHALL BE IDENTIFIED BY UNDERGROUND LINE MARKING TAPE LOCATED DIRECTLY ABOVE THE RACEWAY AT 6 TO 8 INCHES BELOW FINISHED GRADE. TAPE SHALL BE PERMANENT, BRIGHT-COLORED, CONTINUOUS PRINTED, PLASTIC TAPE COMPOUNDED FOR DIRECT BURIAL NOT LESS THAN 6 INCHES WIDE AND 4 MILS THICK. PRINTED LEGEND SHALL BE INDICATIVE OF GENERAL TYPE UNDERGROUND LINE BELOW.
- D. RACEWAYS RUN UNDERGROUND INTERNAL TO BUILDING FOUNDATION WALLS SHALL BE OF A TYPE AND INSTALLED BY A METHOD APPROVED BY THE NEC.
- E. WHERE UNDERGROUND RACEWAYS ARE REQUIRED TO TURN UP INTO CABINETS, EQUIPMENT, ETC., AND ON TO POLES, THE ELBOW REQUIRED AND THE STUB-UP OUT OF THE SLAB OR EARTH SHALL BE OF RIGID STEEL.
- F. THE RACEWAY SYSTEM SHALL NOT BE RELIED ON FOR GROUNDING CONTINUITY.
- G. WHERE PASSING THROUGH A 'BELOW GRADE' WALL FROM A CONDITIONED INTERIOR BUILDING SPACE, RACEWAYS SHALL BE SEALED UTILIZING FITTINGS SIMILAR AND EQUAL TO OZ/GEDNEY TYPE 'FSK' THRU-WALL FITTING WITH 'FSKA' MEMBRANE CLAMP ADAPTER IF REQUIRED,

REVISIONS					
		NO. CA	CONVERSE EFR		
NORTH CAROLINA ATLANTEC		DELIAN INIENTOT 3221 BLUE KUGE KUAU, SUITE 113 RALEICH, NC 27612 DI IDI I.O. O.A.EETV (99) 571-111		KINSTON, NC 28504 (252) 527-3336	
		SCO #: 22-25436-01			
CON	ITEN BU	its: ILDI RICA	NG L N	2 10TE	
DES		CH 3 ER: ER:	AB		

		BUILDING C			Special Uses:	□ 402 □ 403 [410 [] 41	1 🗆 412
		ALL COMME			1	□ 402 □ 403 [□ 413 □ 414 [· _ · · -
Name of Project: <u>SAM</u>	PSON CORRECTION	IAL INSTITUTION				□ 424 □ 425 [
Address: 421 NW BOUL	EVARD, CLINTON, I			Zip Code	Special Provisi	ons: 509	.2 🛛 509.3	3 🗆 509.4 🗌] 509.5 🛛 5	509.6 5 09	9.7 🗆 509	.8 🗆 50
Proposed Use: <u>PRISON</u> Owner or Auth. Agent:		Phone	# 919-324-1272	_ Email _taylor.oldham@ncdps.gov	Mixed Occupan	cy: 🛛 No	□ Yes	Separation:	Hr.	Except	tion	
Owned By:	City/Co	unty		⊠State		dental Use Separ	ation (508.2	.5)				
Code Enforcement Juris				State	Thi	s separation is n	ot exempt a	s a Nonseparate	ed Use (see	exceptions)).	
LEAD DESIGN PROFE						nseparated Use (required type of		n for the buildir	aa shall be a	determined	by applying	a the he
DESIGNER FIRM Architectural	NAME	LICENSE		E # EMAIL	and	l area limitations trictive type of c	for each of	the applicable	occupancies	to the enti	tire building	g. The r
Civil												
Electrical <u>ATLANTEC</u>		IITNEY 01738		1111 DAVID®ATLANTECENIGINEERS.COM	000	arated Use (50 upancy shall be	such that th	e sum of the r	ratios of the	actual floo	ch story, t or area of	he area each us
Plumbing						ded by the allow						
	ENG <u>B.</u> FE			1111 BRADØATLANTECENIGINEERS.COM		of Occupancy A of Occupancy A		ual Area of Oco able Area of Oc	cupancy B	<u>≤</u> 1		
						V/A	+	N/A		+ =	N/A	<u>≤</u> 1.
Other						2		,				
2018 EDITION OF NC		lew Construction	Addition	X Renovation			(A)	(B)	(C)	(D)	(1	E)
		Ist Time Interior Co			STORY NO.	DESCRIPTION AND USE	BLDG. AREA PER STORY		AREA FOR OPEN SPACE	AREA FOR		
				ction jurisdiction for possible			(ACTUAL)		INCREASE ^{1,6}	⁵ INCREASE		IITED ^{3,4}
		additional procedure Phased Constructior	•	ocal inspection jurisdiction for	4th Floor							
	F	oossible additional	procedures & requ	irements	3rd Floor 2nd Floor							
2018 NC EXISTING BU	JILDING CODE: ALTERATION:	Prescriptive Level I	e 🗌 Repair 🖾 Level II	Chapter 14	1st Floor					-		
	ALTERATION.	Historic Pro		Change of Use								
CONSTRUCTED: 19					•	a increases from S		•				
RENOVATED:		URRENT OCCUP	. , . , ,			er which fronts a p uilding Perimeter =			g 20 feet mini	imum width		
RISK CATEGORY (Ta						/P) = nimum width of pu			_ (W)			
	Р	ROPOSED:			e. Percent	of frontage increasion increase per section	e I _f = 100	[F/P - 0.25] x V			. (%)	
		BUILDING D	ATA		a. Multi-st	ory building $l_s = N/$	'A					
Construction Type:			III-A 🗆IV	□ V -A	3. Unlimited are	tory building I _S = N a applicable under	conditions of					
_				□∨-в		ilding Area = total n area of open pa				•	num area o	f air traff
Sprinklers: XNC Standpipes: XNC		Yes □NFPA 13 Class □I □		□NFPA 13D Wet □Dry		s must comply with rease is based on t			Table 506.2.			
Fire District: 🛛 🖾 🛚 🛛	Yes	Flood	Hazard Area:	No 🗆 Yes								
Special Instructions Red			local inspection ju procedures and req					LOWABLE HEI				
Building Height: <u>16'-</u> Gross Building Area:	<u> </u>	·	·	•			DWABLE LE 503)	INCREASE FOR S	PRINKLERS	SHOWN ON	PLANS	CODE REFEREI
FLOOR	EXISTING (SQ F	T)	NEW (SQ FT)	SUB-TOTAL	Type of Constru	iction Tj	/pe		_	Туре		
7th Floor					Building Height (Table 504.3)	in Feet 7	5'-0"	Feet=H+20'=	N/A	16'–	-0"	504.
<u>6th Floor</u> 5th Floor					Building Height							504.
4th Floor 3rd Floor							111	Charles I 1-	Ν/Δ	1 ST4		
Sra Floor					_		UL	Stories+1=	<u>N/A</u>	1 SI		504.
2nd Floor												
1st Floor	12,375 SQFT						FIRE PRC	TECTION REC				304.
	12,375 SQFT 12,375 SQFT				BUILDING ELEMEN	T FIR SEPARA DISTA		TECTION REG		DESIGN#	DESIGN# FOR	DESIGN I FOR
1st Floor Basement		ALLOWABLE A	ARFA			T FIR		TECTION REC		DESIGN# FOR RATED	DESIGN#	DESIGN FOR RATED
<u>1st Floor</u> Basement TOTAL Occupancy:	12,375 SQFT					T FIR SEPARA DISTAN (FEE including	FIRE PRC	TECTION REG		DESIGN# FOR RATED	DESIGN# FOR RATED	DESIGN FOR RATED
1st Floor Basement TOTAL		ALLOWABLE A	AREA A -3	□ A-4 □ A-5	BUILDING ELEMEN Structural frame,	T First SEPARA DISTAN (FEE including trusses N// >30	FIRE PRO	RATING (W/	DUIREMENT	DESIGN# FOR RATED ASSEMBLY	DESIGN# FOR RATED PENETRATION	DESIGN FOR RATED JOINTS
<u>1st Floor</u> Basement TOTAL Occupancy: Assembly Business Educational	12,375 SQFT	□ A-2		□ A-4 □ A-5	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior	T FIR SEPARA DISTAN (FEE including trusses N// >30	FIRE PRO	RATING RATING (W/REDUCTION) 0 HR 0 HR 0 HR	DUIREMENT	TS DESIGN# FOR RATED ASSEMBLY N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A	DESIGN; FOR RATED JOINTS N/A N/A
<u>1st Floor</u> Basement TOTAL Occupancy: Assembly Business Educational Factory	12,375 SQFT	□ A-2 ite □ F-2 Low	□A-3		BUILDING ELEMEN Structural frame, columns, girders, Bearing walls	T First SEPARA DISTAN (FEE including trusses N// >30	FIRE PRO	RATING RATING (W/	QUIREMENT DETAIL# AND * SHEET# N/A N/A	TS DESIGN# FOR RATED ASSEMBLY N/A N/A	DESIGN# FOR RATED PENETRATION N/A	DESIGN FOR RATED JOINTS N/A N/A N/A N/A
<u>1st Floor</u> Basement TOTAL Occupancy: Assembly Business Educational	12,375 SQFT	□ A-2 ite □ F-2 Low	□A-3	□ A-4 □ A-5 ust □ H-4 Health □ H-5 HPM □ I-4	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West	T Fire SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRO	RATING RATING PROVIDED (W/ REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	QUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A	TS DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A
<u>1st Floor</u> Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition	12,375 SQFT	A-2 Ite F-2 Low Ite H-2 Deflagr	□ A-3 rate □ H-3 Comb	ust 🗌 H-4 Health 🗌 H-5 HPM	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East	T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30	FIRE PRC FIRE PRC FIRE PRC REQ'D REQ'D A 0 HR C 0 HR	RATING RATING (W/ REDUCTION) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	DUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A	DESIGN FOR RATED JOINTS N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile	12,375 SQFT	□ A-2 hte □ F-2 Low hte □ H-2 Deflagr □ I-2 ⊠ 2	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3	ust 🗆 H-4 Health 🗆 H-5 HPM 🔲 I-4 🗆 4 🔲 5	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls	T Fire SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FINN FI	TECTION REC RATING PROVIDED (W/	DUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A
<u>1st Floor</u> Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition	12,375 SQFT	□ A-2 Ite □ F-2 Low Ite □ H-2 Deflagr □ I-2	□ A-3 rate □ H-3 Comb ⊠ I-3	ust 🗆 H–4 Health 🗆 H–5 HPM 🗀 I–4 🗆 4 🔲 5 🗔 R–4	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior	T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FINN FINN FINN FINN FINN FINN FINN FIN	TECTION REC RATING PROVIDED (W REDUCTION) 0 HR 0 HR	DUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A
<u>1st Floor</u> Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage	12,375 SQFT	□ A-2 hte □ F-2 Low hte □ H-2 Deflagr □ I-2 ⊠ 2 □ R-2	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3	ust 🗌 H–4 Health 🗌 H–5 HPM 🗋 I–4 🗋 4 🔲 5 🗌 R–4 🗋 Parking Garage	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North	T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FINN FINN FINN FINN FINN REQ'D A 0 HR A A 0 HR A 0 HR A 0 HR A A 0 HR A A A A A A A A A A A A A	TECTION REG RATING PROVIDED (W_REDUCTION) 0 HR 0 HR	DETAIL# AND * SHEET# N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR ATEN JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
<u>1st Floor</u> <u>Basement</u> TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis	12,375 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2$ te $\square S-2 Low$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled	ust 🗌 H–4 Health 🗌 H–5 HPM 🗋 I–4 🗋 4 🔲 5 🗌 R–4 🗋 Parking Garage	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West	T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FIRE PRC FIRE PRC REQ'D 0 HR 0 HR	TECTION REC RATING PROVIDED (W	DUIREMENT DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Accessory Occupancies	12,375 SQFT	A-2 te $F-2 Low$ te $H-2 Deflagr$ $I-2$ Z $R-2$ te $S-2 Low$ $Enclosed$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South	T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 N// and N// N// N// N// N// N// N//	FIRE PRC FINN FI	TECTION REG RATING PROVIDED (W	DETAIL# AND * SHEET# N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN; FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mix Accessory Occupancies Assembly	12,375 SQFT	$\square A-2$ te $\square F-2 Low$ te $\square H-2 Deflagr$ $\square I-2$ $\boxtimes 2$ te $\square R-2$ te $\square S-2 Low$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled	ust 🗌 H–4 Health 🗌 H–5 HPM 🗋 I–4 🗋 4 🔲 5 🗌 R–4 🗋 Parking Garage	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West	T FIRE SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FINN FI	TECTION REC RATING PROVIDED (W REDUCTION) 0 HR 0 HR	DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Accessory Occupancies	12,375 SQFT	A-2 te $F-2 Low$ te $H-2 Deflagr$ $I-2$ Z $R-2$ te $S-2 Low$ $Enclosed$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls and	T FIRE SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FINN FI	TECTION REG RATING PROVIDED (W	DETAIL# AND * SHEET# N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN; FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Accessory Occupancies Assembly Business Educational Factory	12,375 SQFT	$\square A-2$ A-2 Low Ite $\square F-2 \ Low$ Ite $\square H-2 \ Deflagr$ $\square I-2 \ 2$ Ite $\square R-2 \ Cow$ Ite $\square S-2 \ Low$ $\square A-2$ Ite $\square F-2 \ Low$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls and Floor constructio Including support	T FIRE SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRO	TECTION REC RATING PROVIDED (W REDUCTION) 0 HR 0 HR	DETAIL# AND * SHEET# N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Accessory Occupancies Assembly Business Educational Factory Hazardous	12,375 SQFT	$\square A-2$ ite $\square F-2 Low$ ite $\square H-2 Deflagr$ $\square I-2$ $\square 2$ ite $\square S-2 Low$ $\square Enclosed$ ite $\square A-2$ ite $\square F-2 Low$ ite $\square F-2 Low$ ite $\square H-2 Deflagr$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb	ust 🗌 H-4 Health 🗌 H-5 HPM 1 I-4 4 1 5 R-4 Parking Garage age A-4 A-5 ust 🗌 H-4 Health 🗌 H-5 HPM	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls and Floor constructio Including support and joists	T FIRE SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FINN FI	TECTION REC RATING PROVIDED (W REDUCTION) 0 HR 0 HR	DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Accessory Occupancies Assembly Business Educational Factory	12,375 SQFT	$\square A-2$ A-2 Low Ite $\square F-2 \ Low$ Ite $\square H-2 \ Deflagr$ $\square I-2 \ 2$ Ite $\square R-2 \ Cow$ $\square R-2 \ Low$ $\square A-2$ Ite $\square F-2 \ Low$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East Exterior North East West South Interior walls and Floor construction Including support and joists Roof Ceiling Asse	T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FINN FI	TECTION REG RATING PROVIDED (W_REDUCTION) 0 HR 0 HR	DETALL AND SHEET N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mix Accessory Occupancies Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile	12,375 SQFT	$ \begin{vmatrix} A-2 \\ $	$\square A-3$ rate $\square H-3 Comb$ $\boxtimes I-3$ $\square 3$ $\square R-3$ $\square High-piled$ $\square Repair Gard$ $\square A-3$ rate $\square H-3 Comb$ $\square I-3$ $\square 3$	ust $ H-4 $ Health $ H-5 $ HPM I-4 4 0 5 R-4 Parking Garageage $ A-4 A-5 ust H-4 Health H-5 HPM I-4 4 0 5 $	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls and Floor construction Including support and joists	T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FINN FI	TECTION REC RATING PROVIDED (W_REDUCTION) 0 HR 0 HR	DETAIL# AND SHEET# N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Accessory Occupancies Assembly Business Educational Factory Hazardous Institutional I-3 Condition Factory Hazardous Institutional I-3 Condition Mercantile Residential	12,375 SQFT	$ \begin{vmatrix} A-2 \\ $	$\square A-3$ rate $\square H-3 Comb$ $\boxtimes I-3$ $\square R-3$ $\square High-piled$ $\square Repair Gard$ $\square A-3$ rate $\square H-3 Comb$ $\square I-3$ $\square 3$ $\square R-3$	ust $ H-4 $ Health $ H-5 $ HPM I-4 4 = 5 R-4 Parking Garageage $ A-4 = A-5ust H-4 Health H-5 HPM I-4 4 = 5 R-4 $	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls and Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Asse Columns Support	T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FINN FI	TECTION REG RATING PROVIDED (W_REDUCTION) 0 HR 0 HR	DETALL AND SHEET N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mix Accessory Occupancies Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile	12,375 SQFT	$ \begin{vmatrix} A-2 \\ $	$\square A-3$ rate $\square H-3 Comb$ $\boxtimes I-3$ $\square 3$ $\square R-3$ $\square High-piled$ $\square Repair Gard$ $\square A-3$ rate $\square H-3 Comb$ $\square I-3$ $\square 3$	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 A-4 A-5 I-4 I-4 4 5 R-4 Parking Garage	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls and Floor constructio Including support and joists Roof constructior Including support and joists Roof Ceiling Asse Columns Support Shaft Enclosures - Other	T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRO	TECTION REC RATING PROVIDED (W	DETAIL# AND * SHEET# N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Accessory Occupancies Assembly Business Educational Factory Hazardous Institutional I-3 Condition Factory Hazardous Institutional I-3 Condition Mercantile Residential	12,375 SQFT	A-2 the F-2 Low the H-2 Deflage I-2 Deflage I-2 Deflage I-2 Deflage I-2 Deflage A-2 Deflage I-2 Deflage	$\square A-3$ rate $\square H-3 Comb$ $\boxtimes I-3$ $\square R-3$ $\square High-piled$ $\square Repair Gard$ $\square A-3$ rate $\square H-3 Comb$ $\square I-3$ $\square 3$ $\square R-3$ $\square High-piled$	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 A-4 A-5 I-4 I-4 4 5 R-4 Parking Garage	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls and Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Asse Columns Support Shaft Enclosures – Other Corridor Separatio	T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRO FIRE P	TECTION REC RATING PROVIDED (W_REDUCTION) 0 HR 0 HR	UIREMENT DETAL AND SHEET N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Accessory Occupancies Assembly Business Educational Factory Hazardous Institutional I-3 Condition Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Storage Utility and Mis	12,375 SQFT	$ \begin{vmatrix} A-2 \\ $	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb □ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard 0 Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 A-4 A-5 A-4 A-5 A-4 A-5 A-4 A-5 Btu per hour input	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls and Floor constructio Including support and joists Roof constructior Including support and joists Roof Ceiling Asse Columns Support Shaft Enclosures - Other	T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FINN FI	TECTION REC RATING PROVIDED (W_REDUCTION) 0 HR 0 HR	DETAL AND * SHEET N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR ASSEMBLY ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
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1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Accessory Occupancies Assembly Business Educational Factory Hazardous Institutional I-3 Condition Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Storage Utility and Mis Storage Utility and Mis Residential Storage Utility and Mis Residential Storage	12,375 SQFT	A-2 the F-2 Low the H-2 Deflage I-2 2 The S-2 Low R-2 Low A-2 the F-2 Low A-2 the F-2 Low A-2 The S-2 Low A-2 The S-2 Low I-2 2 The S-2 Low I-2 3 S-2 Low I-2 3 S-2 Low I-2 3 S-2 Low S-2 Low I-2 S-2 I-2 I-2 S-2 I-2 I-2 S-2 I-2 I-	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb □ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard 0 Repair Gard 0 Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 A-4 A-5 A-4 A-5 A-4 A-5 A-4 A-5 Btu per hour input	BUILDING ELEMEN BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls and Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Asse Columns Support Shaft Enclosures Shaft Enclosures Shaft Enclosures Corridor Separation Party/Fire Wall S Smoke Barrier Se Incidental Use Set	T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRO FIRE PRO FIRE PRO FION REQ'D A 0 HR 0	TECTION REC RATING PROVIDED (W_REDUCTION) 0 HR 0 HR	UIREMENT DETAL AND SHEET N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mix Accessory Occupancies Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mix Institutional I-3 Condition Mercantile Residential Storage Utility and Mix Condition Mercantile Residential Storage Utility and Mix Refrigerar Rooms wit Refrigerar Hydrogen Incinerato	12,375 SQFT A-1 F-1 Modera H-1 Detona H-1 Detona H-1 Detona A-1 A-1 A-1 A-1 A-1 A-1 A-1 A-1 A-1 Detona A-1 A-1 A-1 Detona A-1 A-1 B-1 A-1 <td< td=""><td>$A-2$ the $F-2 Low$ the $H-2 Deflagr$ $I-2 \\ 2$ the $S-2 Low$ $Enclosed$ $A-2$ the $F-2 Low$ $Enclosed$ $A-2$ the $F-2 Low$ $Enclosed$ $R-2$ the $H-2 Deflagr$ $I-2$ $R-2$ the $F-2 Low$ $Enclosed$ $I-2$ $Comparison of the the the the the the the the the the$</td><td>□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb □ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard 0 Repair Gard</td><td>ust $H-4$ Health $H-5$ HPM I-4 4 15 R-4 Parking Garageage<math> A-4 A-5 Ust $H-4$ Health $H-5$ HPM I-4 4 15 R-4 Parking GarageageBtu per hour input A</math></td><td>BUILDING ELEMEN BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls and Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Asse Columns Support Shaft Enclosures Shaft Enclosures Shaft Enclosures Corridor Separation Party/Fire Wall S Smoke Barrier Se Incidental Use Set</td><td>T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30</td><td>FIRE PRC FINE PRC FINE PRC FINE</td><td>TECTION REC RATING PROVIDED (W/REDUCTION) 0 HR 0 HR</td><td>DETALL AND SHEET N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td><td>S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td><td>DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/</td><td>DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td></td<>	$ A-2 $ the $ F-2 Low$ the $ H-2 Deflagr$ $ I-2 \\ 2 $ the $ S-2 Low$ $ Enclosed$ $ A-2 $ the $ F-2 Low$ $ Enclosed$ $ A-2 $ the $ F-2 Low$ $ Enclosed$ $ R-2 $ the $ H-2 Deflagr$ $ I-2 $ $ R-2 $ the $ F-2 Low$ $ Enclosed$ $ I-2 $ $ Comparison of the the the the the the the the the the$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb □ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard 0 Repair Gard	ust $ H-4 $ Health $ H-5 $ HPM I-4 4 15 R-4 Parking Garageage $ A-4 A-5 Ust H-4 Health H-5 HPM I-4 4 15 R-4 Parking GarageageBtu per hour input A $	BUILDING ELEMEN BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls and Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Asse Columns Support Shaft Enclosures Shaft Enclosures Shaft Enclosures Corridor Separation Party/Fire Wall S Smoke Barrier Se Incidental Use Set	T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FINE PRC FINE PRC FINE	TECTION REC RATING PROVIDED (W/REDUCTION) 0 HR 0 HR	DETALL AND SHEET N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATED JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
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1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Accessory Occupancies Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Institutional I-3 Condition Mercantile Residential Storage Utilit	12,375 SQFT A-1 Image: Constraint of the second	A-2 the F-2 Low the H-2 Deflage I-2 2 and R-2 the S-2 Low A-2 the F-2 Low A-2 the F-2 Low A-2 the H-2 Deflage I-2 2 the S-2 Low Enclosed I-2 2 the S-2 Low Enclosed I-2 2 the S-2 Low I-2 3 the I-2 3 the I-2 3 the I-2 3 the I-2 3 the 3 t	$\Box A-3$ rate $\Box H-3 Comb$ $\boxtimes I-3$ $\Box 3$ $\Box R-3$ $\Box High-piled$ $\Box Repair Gard$ $\Box A-3$ rate $\Box H-3 Comb$ $\Box I-3$ $\Box 3$ $\Box R-3$ $\Box High-piled$ $\Box Repair Gard$	ust $ -4 -5 $	BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior Nonbearing walls partitions Exterior North East West South Interior walls and Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Asse Columns Support Shaft Enclosures Shaft Enclos	T FIR SEPARA DISTAN (FEE including trusses N// >>30 >30 >30 >30 >30 >30 >30 >30 >30 >3	FIRE PRC FINE PRC FINE	TECTION REC RATING PROVIDED (W_REDUCTION) 0 HR 0	UIREMENT	S DESIGN# FOR RATED ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN# FOR PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATER JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
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1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mia Accessory Occupancies Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mia Institutional I-3 Condition Mercantile Residential Storage Utility and Mia Institutional I-3 Condition Mercantile Residential Storage Utility and Mia Incinerato Incinerato Incinerato Incinerato Incinerato Incinerato	12,375 SQFT 12,375 SQFT 12,375 SQFT 12,375 SQFT 14,475 SQFT 15,71 Modera 14,1 Index 14,1 Index 14,1 Index 14,1 Index 15,1 Modera 16,1 Index 17,1 Index 18,1 Index 19,1 Index 10,1 Index 11,1 Index 11,1 Index 11,1 Index 11,1 Index 13,1 Index 14,1 Index 15,1 Modera 16,1 Index 17,1 Index 18,1 Index 19,1 Index 11,1 Index<	$ \begin{vmatrix} A-2 \\ A$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb □ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 Bu per hour input ver 15 psi and 10 horsepower fother than Group F ed in a Group E or I-2 occupancy	BUILDING ELEMEN BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls and Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Asset Columns Support Shaft Enclosures Shaft Enclosure	T FIRE SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FINE PRC FINE PRC FINE	RATING PROVIDED (W_REDUCTION) 0 HR 0 H	ALLOWAR	S DESIGN# FOR ASSEMBLY ASSEMBLY N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	DESIGN FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATER JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Accessory Occupancies Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Institutional I-3 Condition Mercantile Residential Storage Utility and Mis Refrigerar Nercontile Residential Storage Utility and Mis Condition Mercantile Residential Storage Utility and Mis Incinerato Nore	12,375 SQFT A-1 F-1 Modera H-1 Detona I-1 A-1 A-1 A-1 A-1 A-1 A-1 A-1 A-1 Detona A-1 A-1 Detona A-1 A-1 Detona B-1 Nodera	$ \begin{vmatrix} A-2 \\ A$	□ A-3 rate □ H-3 Comb ⊠ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ A-3 rate □ H-3 Comb □ I-3 □ 3 □ R-3 □ High-piled □ Repair Gard □ Repair Gard	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 Bu per hour input ver 15 psi and 10 horsepower fother than Group F ed in a Group E or I-2 occupancy	BUILDING ELEMEN BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls and Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Asset Columns Support Shaft Enclosures Shaft Enclosure	T FIR SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FINE PRC FINE PRC FINE	RATING PROVIDED (W/REDUCTION) 0 N/A	AND AND AND AND AND AND AND AND	S DESIGN# FOR FOR ASSEMBLY ASSEMBLY N/A	DESIGN FOR POR POR POR FOR POR POR POR POR POR POR POR POR POR P	DESIGN FOR RATER JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1st Floor Basement TOTAL Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mix Accessory Occupancies Assembly Business Educational Factory Hazardous Institutional I-3 Condition Factory Hazardous Institutional I-3 Condition Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Mix Incinerato Refrigerar Hydrogen Incinerato Coroup I2 Group I2 Group I2 Group I2 Hydrogen Incinerato	12,375 SQFT I2,375 SQFT IA-1 Image: SQFT IF-1 Modera I-1 Image: SQFT IF-1 Modera	$ \begin{vmatrix} A-2 \\ A$	$ \square A-3 $ rate $ \square H-3 Comb \\ \boxtimes I-3 \\ \square 3 \\ \square R-3 \\ \square High-piled \\ \square Repair Gard \\ \square A-3 $ rate $ \square H-3 Comb \\ \square I-3 \\ \square 3 \\ \square R-3 \\ \square High-piled \\ \square Repair Gard \\ \square Repair \\ \square Repair \\ \square Repair Gard \\ \square Repair Gard \\ \square R$	ust H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age A-4 A-5 A-4 A-5 A-4 A-5 H-4 Health H-5 HPM I-4 4 5 R-4 Parking Garage age Btu per hour input rer 15 psi and 10 horsepower dthere than Group F ed in a Group E or I-2 occupancy	BUILDING ELEMEN BUILDING ELEMEN Structural frame, columns, girders, Bearing walls Exterior North East West South Interior Nonbearing walls partitions Exterior North East West South Interior walls and Floor construction Including support and joists Roof construction Including support and joists Roof Ceiling Asset Columns Support Shaft Enclosures Shaft Enclosure	T FIRE SEPARA DISTAN (FEE including trusses N// >30 >30 >30 >30 >30 >30 >30 >30 >30 >30	FIRE PRC FINE PRC FINE PRC FINE	RATING PROVIDED (W_REDUCTION) 0 HR 0 H	ALLOWAR	S DESIGN# FOR ASSEMBLY ASSEMBLY N/A	DESIGN FOR RATED PENETRATION N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	DESIGN FOR RATER JOINTS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A

(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 503 ⁵ AREA	(C) AREA FOR OPEN SPACE INCREASE ^{1,6}	(D) AREA FOR SPRINKLER INCREASE ²	(E) ALLOWABLE AREA OR UNLIMITED ^{3,4}	(F) MAXIMUM BUILDING AREA ⁴
		-			

Al	LOWABLE HEIGHT			
ABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE	
•		Туре		/ X
-0 "	Feet=H+20'= <u>N/A</u>	16'-0"	504.3	
IL	Stories+1=N/A	1 STORY	504.4	

		RATING	DETAIL#	DESIGN#	DESIGN#	DESIGN#
DN E	REQ'D	PROVIDED (W/* REDUCTION)	AND SHEET#	FOR RATED ASSEMBLY	FOR RATED PENETRATION	FOR FOR FOR JOINTS
		REDUCTION)				
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	0 HR	0 HR	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A

🖾 No	\boxtimes
🖾 No	\boxtimes
🗆 No	\boxtimes
🗆 No	\boxtimes
NZ	

Yes Yes	Partial DUCT SMOKE DETECTION
🗌 Yes	

			/	
: ES	DEGREE OF OPENINGS PROTECTIONS (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOW ON PLANS (%)	N/A
	00 °	00	00	
	00	00	00	
	00°	00	00	

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: ____

- ☐ Fire and/or smoke rated wall locations (Chapter 7)
- Assumed and real property line locations
- Exterior wall opening area with respect to distance to assumed property lines (705.8)
- Existing structures within 30 feet of the proposed building □ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)

N/A

 \rightarrow

- □ Occupant loads for each area
- Exit access travel distances (1017)
- □ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- Dead end lengths (1020.4) ☐ Clear exit widths for each exit door
- 🔲 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- Actual occupant load for each exit door
- A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is
- provided for purposes of occupancy separation Location of doors with panic hardware (1010.1.10)
- Location of doors with delayed egress locks and the amount of delay (1010.1.9.7.)
- □ Location of doors with electromagnetic egress locks (1010.1.9.9)
- □ Location of doors equipped with hold—open devices □ Location of emergency escape windows (1030)
- ☐ The square footage of each fire area (202)

 \Box The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)

□ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107)							N/.	\leq
TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED	
00	00	00	00	00	00	00	00	

ACCESSIBLE PARKING (SECTION 1106)

	TOTAL # OF P	ARKING SPACES	# OF AC	CESSIBLE SPACES	PROVIDED	
LOT OR			REGULAR WITH	VAN SPA	CES WITH	TOTAL #
PARKING AREA	REQUIRED	PROVIDED	5' ACCESS AISLE	132" ACCESS AISLE	8' ACCESS AISLE	ACCESSIBLE
NAME	00	00	00	00	00	00
NAME	00	00	00	00	00	00
OTAL	00	00	00	00	00	00

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

U	SE	WATER CLOSETS		URINALS	LAVATORIES			SHOWERS	DRINKIN	RINKING FOUNTAINS	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	/TUBS	REGULAR	ACCESSIBLE
SPACE	EXISTING	5	5	2	0	4	4	2	14	0	1
	NEW	5	5	3	0	4	4	3	14	0	2
	REQUIRED NCBC 2902.7 – ADJUSTMENT OF PLUMBING FIXTURES IS IN ACCORDANCE TO OWNER – PROVIDED USE PATTERNS OF PROFESSIONAL AND SEMI–PROFESSIONAL SOCCER TEAMS UTILIZING THE FACILITY. RENOVATIONS ONLY AFFECT PLUMBING FIXTURES IN TEAM AREAS; PLUMBING FIXTURES IN PUBLIC / STADIUM VISITORS AREAS ARE NOT AFFECTED BY THIS PROJECT'S SCOPE.									RENOVATIONS	

ENERGY SUMMARY

ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

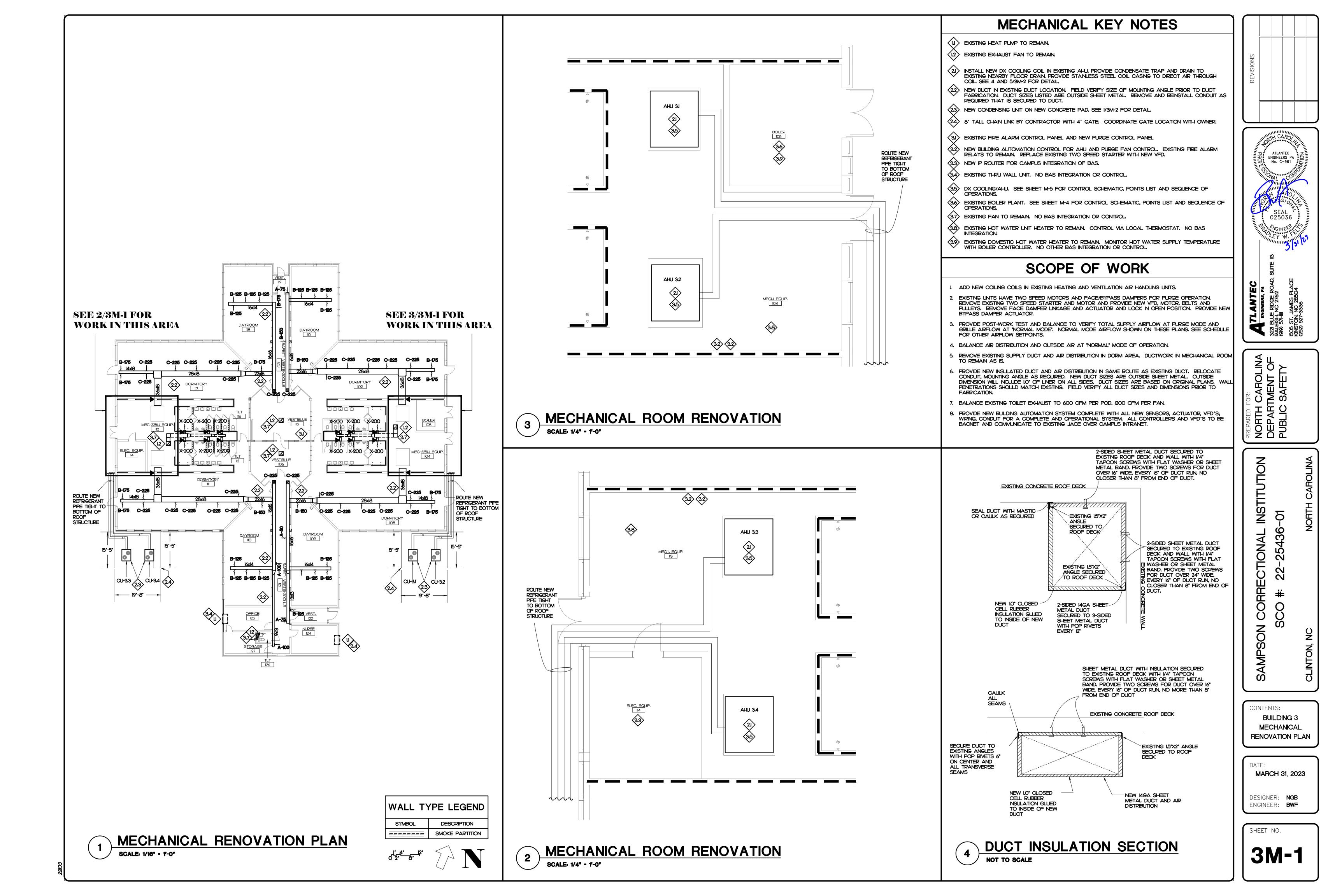
Existing building envelope complies with code: \square No/ \square Yes (The remainder is then N/A) Exempt Building: 🗆 No 🖾 Yes (Provide code or summary reference): 2018 NCEBC 811 Climate Zone: 🛛 3A 🛛 4A 🔲 5A

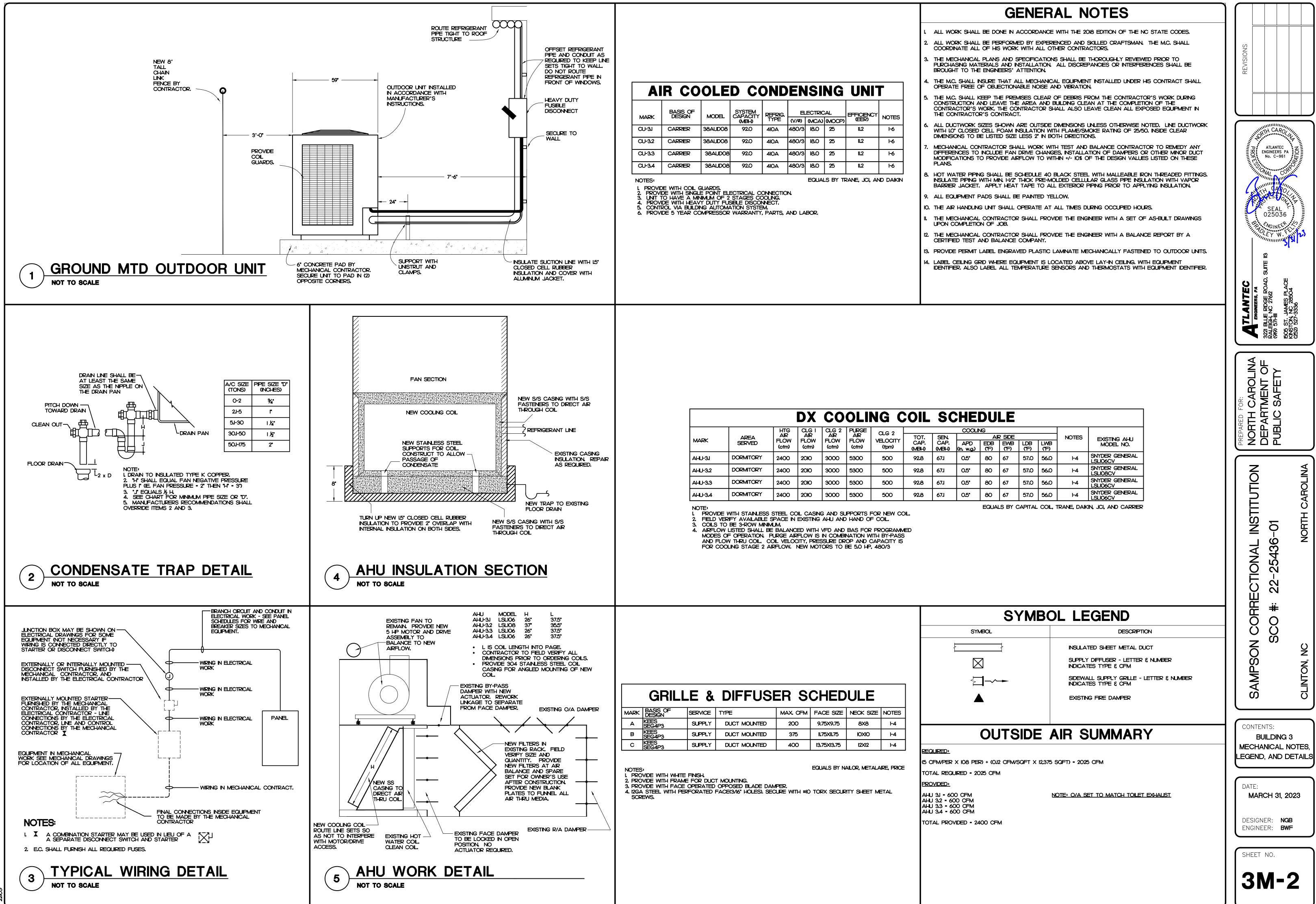
Method of Compliance:	Energy Code 🗌 Performance	Prescriptive
	ASHRAE 90.1 🗌 Performance	Prescriptive
	If "Other" specify here)	

THERMAL ENVELOPE (Prescriptive method only)

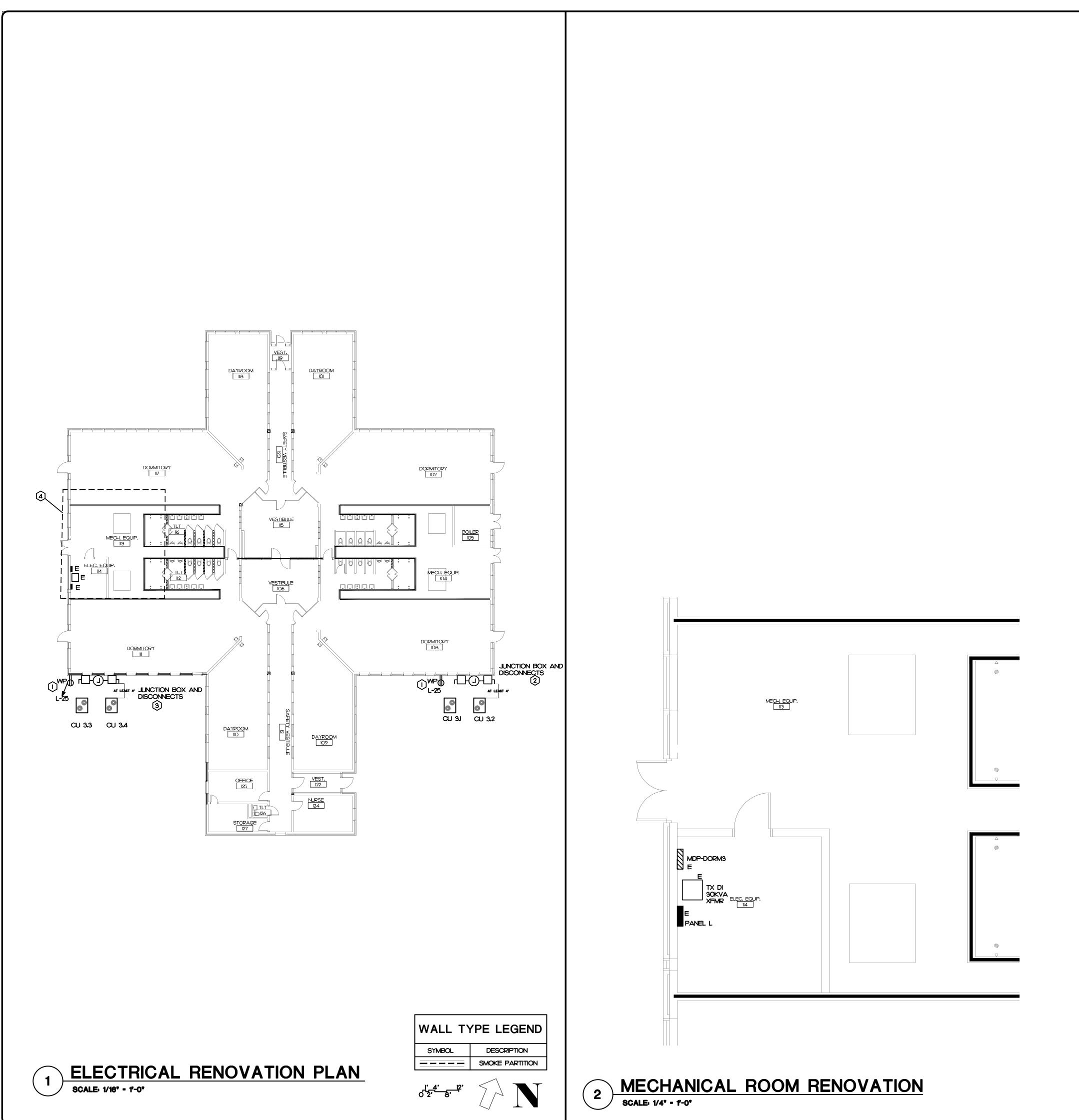
······································	
Roof/Ceiling Assembly (each assembly)	
Description of assembly	<u>N/A</u>
U—Value of total assembly	N/A
R–Value of insulation	N/A
Skylights in each assembly	<u>N/A</u>
U-Value of skylight	N/A
Total square footage of skylights in each assembly	
Exterior Walls (each assembly)	
Description of assembly	N/A
U-Value of total assembly	N/A
R-Value of insulation	N/A
Openings (windows or doors with glazing)	N/A
U-Value of assembly	
Solar heat gain coefficient	N/A
Projection factor	N/A
Door R-Values	N/A
Walls below grade (each assembly)	
Description of assembly	N/A
U-Value of total assembly	
R-Value of insulation	N/A
Floors over unconditioned space (each assembly)	
Description of assembly	N/A
U-Value of total assembly	N/A
R-Value of insulation	N/A
Floors slab on grade	
Description of assembly	N/A
U-Value of total assembly	N/A
R-Value of insulation	N/A
Horizontal/vertical requirement	N/A
Slab heated	N/A

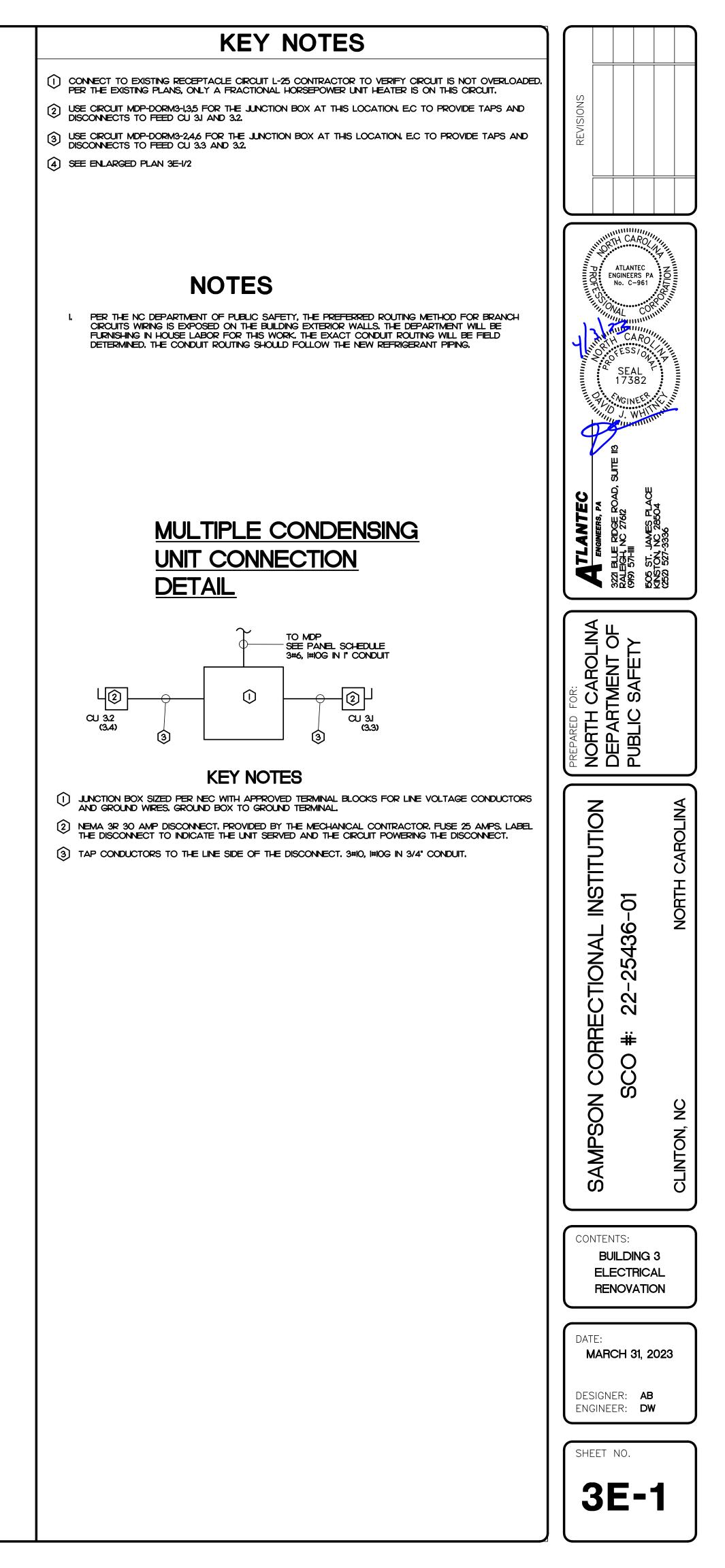
SPECIAL APPROVALS	<u>v</u>	
Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)	EVISION	
	REV	
STRUCTURAL DESIGN	NUMITH CARO	
DESIGN LOADS:	ATLANTEC ENGINEERS F No. C-961	
Importance Factors: Wind (I _W) Snow (I _S) N / Å		in the second se
Seismic (H _E) / / Live Loads:psf		
Mezzaninepsf Floorpsf	O VESS O	
Ground Snow Load: psf Wind Load: Basic Wind Speedmph (ASCE-7)	SEAL 025036	
Exposure Category Wind Base Shears (for MWFRS) Vx = Vy =	TO A WGINEER	
SEISMIC DESIGN CATEGORY:		5 311
Provide the following Seismic Design Parameters:	Ш Ш	
Occupancy Category (Table 1604.5) Spectral Response Acceleration S _S %g S ₁ %g	SUTE - C	u
Site Classification (Table 1613.5.2)	ANTEC aneens, PA NC 27612	504 504
Basic structural system (check one)	TLANTEC ENGINEERS, PA GULE RIDGE ROAI GUL NC 27612 571-111	336 336 336
Bearing Wall Dual w/Special Moment Frame Building Frame Dual w/Intermediate R/C or Special Steel		527-32 527-3
☐ Moment Frame ☐ Inverted Pendulum Seismic base shear: Vx ≠ Vy =		
Analysis Procedure: Simplified Equivalent Lateral Force Dynamic Architectural, Mechanical, Components anchored? Yes No		
LATERAL DESIGN CONTROL: Carthquake Wind	I N N N N N N N N N N N N N N N N N N N	
SOIL BEARING CAPACITIES:	AROLINA AFETY AFETY	
Field Test (provide copy of test report) psf Presumptive Bearing capacity psf	CARC CARC TMENT SAFE	
Pile size, type, and capacity		
SPECIAL INSPECTIONS REQUIRED: Yes No	PREPARED NORTH DEPAR PUBLIC	
MECHANICAL SUMMARY		
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT	l ó	NORTH CAROLINA
Thermal Zone 4 A Winter dry bulb <u>16°F</u>	15	RO
Summer dry bulb 93°F 46%	ΙĒ	CA
Interior design conditions Winter dry bulb 70°F	S S	RTH
Summer dry bulb 74°F Relative humidity 50%		N
Building heating load	CORRECTIONAL INSTI CO #: 22-25436-01	
Building cooling load 404.4 MBH	52 O	
Mechanical Spacing Conditioning System	S-CT	
Unitary Description of unitSPLIT SYSTEM COOLING AIR-COOLED WITH HOT WATER HEAT Heating efficiency		
Heating efficiency Cooling efficiencyIO.3 EER Size category of unit_II7 MBH		
Boiler Size category. If oversized, state reason468 MBH		
Chiller Size category. If oversized, state reason		Ŷ
List equipment efficienciesSEE 3M-I	ပ္လ	N, I
	SAMPSON	CLINTON, NC
ELECTRICAL SUMMARY	S S	CL
ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance		
Energy Code: Prescriptive Performance ASHRAE 90.1: Prescriptive Performance	CONTENTS:	
Lighting schedule (each fixture type)	BUILDING APPENDI	
I among the many final in finding		
Number of lamps in fixture Ballast type used in the fixture Number of ballasts in the fixture Total wattage per fixture		
Total interior wattage specified vs. allowed		2022
Total exterior wattage specified vs. allower	MARCH 31,	2023
Additional Prescriptive Complete C406.2 More Efficient Mechanical Equipment Performance		BWF
C406.3 Reduced Lighting Controls	ENGINEER: E	BWF
C406.5 On-Site Renewable Energy C406.6 Deditors Outdoor Air System	SHEET NO.	
C406.7 Reduced Energy Use in Service Water Heating 506.2.3 Energy Recovery Ventilation Systems		_
506.2.6 Automatic Daylighting Control Systems	3T-	•1
		-





			COOLIN							
~ [TOT.	SEN			? SIDE		NOTES	EXISTING AHU		
T	CAP. (MBH)	CAP. (MBH)	APD (in.w.g.)	EDB (°F)	EWB (°F)	Ъ С Б С	LWB (°F)		MODEL NO.	
	92.8	67.1	0.5"	80	67	57.0	56.0	I-4	SNYDER GENERAL LSLIO6CV	
	92.8	67.1	0.5"	80	67	57.0	56.0	I-4	SNYDER GENERAL LSLIO8CV	
	92.8	67.1	0.5"	80	67	57.0	56.0	I-4	SNYDER GENERAL LSLIO6CV	
	92.8	67.1	0.5"	80	67	57.0	56.0	I-4	SNYDER GENERAL	





SYMBOL LEGEND

<u>SYMBOL</u>

E 2222

E 💼

WP

E

 (\mathbf{J}) JUNCTION BOX SIZED PER N.E.C.

> DISCONNECT SWITCH SEE PLANS FOR SIZE AND TYPE NEW CONCEALED WIRING

DESCRIPTION



EXISTING 277/480V 30, 4W PANEL BOARD - SEE PANEL SCHEDULES EXISTING 120/208V 30, 4W PANEL BOARD - SEE PANEL SCHEDULES

SINGLE POLE TOGGLE SWITCH, MOUNT 42° A.F.F. UNLESS NOTED OTHERWISE.

SPECIFICATION GRADE, WEATHER RESISTANT AND GFCI DUPLEX RECEPTACLE WITH IN-USE WEATHER PROOF COVER. MOUNT 16" AFF. UNLESS OTHERWISE NOTED. EXISTING

NS

<u>REMARKS</u>

PER NE.C.

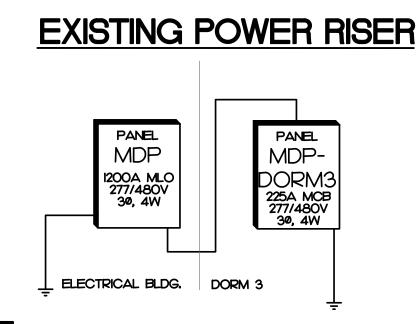
SEE SPECIFICATIONS

SEE SPECIFICATIONS

SEE SPECIFICATIONS

SEE SPECIFICATIONS

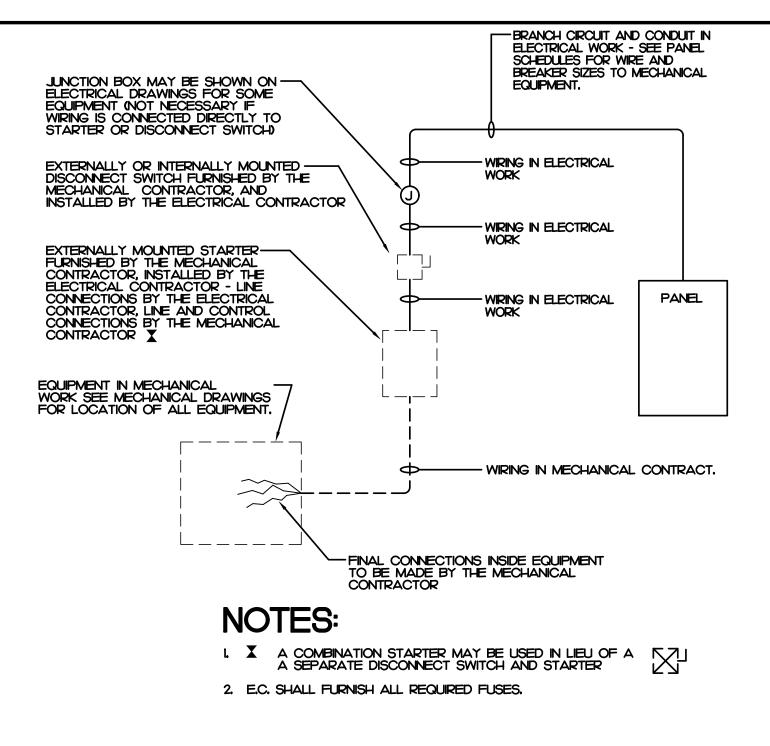
СКТ	D	ESCRIPTIO	Ν	KVA	С	G	W	СВ	CKT	CKT	CB	W	G	С	KVA		DESCRIPTION
1 CU3	3.1,3.2		NOTE 2	10.5	1	10	6	60	1	2	60	6	10	1	10.5	NOTE 2	(
3				10.5			6	3P	3	4	3P	6			10.5		
5				10.5			6		5	6	_	6			10.5		
	VIR D1			11.1	E	E	E	50	7	8	100	E	E	E	14.7		1
9				11.1			E	3P	9	10	3P	E	-		14.7		
11				11.1			E		11	12		E			14.7		
	ACE ONL			0.0			1		13	14		-			0.0		SPAC
	ACE ONL			0.0	-				15	16		-			0.0		SPAC
	ACE ONL	1.1.1		0.0					17	18					0.0		SPAC
	ACE ONL			0.0			0.55		19	20		0.00	F. 17.2		0.0		SPAC
2 A 10 A 1	ACE ONL	170		0.0					21	22					0.0		SPAC
	ACE ONL			0.0	-	8			23	24	-	-	-		0.0		SPAC
25 SPACE ONLY				0.0					25	26					0.0		SPAC
	ACE ONL			0.0					27	28					0.0		SPAC
29 SPACE ONLY				0.0					29	30					0.0		SPAC
31 SPACE ONLY				0.0	-		-		31	32		-	-		0.0		SPAC
	ACE ONL	0.0			0.00	6.00	33	34		0.03	8.8.2		0.0		SPAC		
35 SPACE ONLY				0.0					35	36					0.0		SPAC
37 SPACE ONLY				0.0			022		37	38					0.0		SPAC
39 SPACE ONLY				0.0					39	40					0.0		SPAC
41 SPACE ONLY				0.0					41	42	1				0.0		SPAC
DESCRIP	PTION (CONNECTED	DEMAND	DEMAND	1	225 A	MINI		BUS SIZ	E					SURFACE	MOUNTING	
KVA FACTOR														NEMA 1 EN	ICLOSURE		
CONT. LOAD 11.72 125%			14.65 22 K MINIMUM AIC RATING GROUND BAR														
RECEPT	ACLE	19.00	100%/50%	14.50	1												
MTRS/CC	DOLS	32.42	90%	29.18	1												
IEATS		10.00	125%	12.50	1												
WATER H	HEATER	0.00	125%	0.00	NOT	ES											CONNECTED L
EQUIPMENT 102.44 80%			81.95	1. SQUARE D: I LINE. 'E' INDICATES EXISTING BRANCH CIRCUIT TO REMAIN											NN	PHASE A:	
KITCHEN EQUIP. 0.00 65%			0.00	2. PROVIDE NEW BREAKER												PHASE B:	
SPECIAL EQ. 0.00 100%				0.00	3. NEW HVAC LOADS ARE CALCULATED AT MCA												PHASE C:
25% OF I	LARGES	T HVAC/MO	1.25	1.25 4.												TOTAL:	
TOTAL D	EMAND			154.03	5.												DEMAND



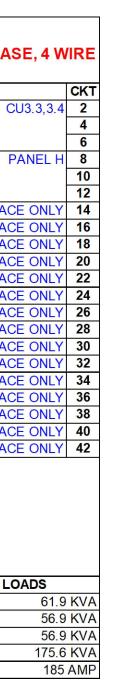


POWER RISER IS EXISTING TO REMAIN. SHOWN FOR REFERENCE ONLY.









MDP LOAD STATEMENT:

EXISTING LOAD AT MDP AND ATS PER UTILITY RECORDS - 214 KW WITH AN ASSUMED POWER FACTOR OF 0.85 AND A DEMAND FACTOR OF 1.25 THE DEMAND LOAD IS 314.71 KVA - ADDED LOAD OF 200.61 KVA (TOTAL OF ALL BUILDINGS) - NEW DEMAND LOAD 515.32 KVA (619.83 AMPS)

GENERAL NOTES

- I. THE CONTRACTOR SHALL FIELD VERIFY ALL FLOOR PLAN DIMENSIONS.
- 2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT, PRIOR TO THE INSTALLATION OF HIS EQUIPMENT SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMUM MAINTENANCE AND WORKING SPACE.
- 3. USE OF THE CONDUIT SYSTEM FOR EQUIPMENT GROUNDING SHALL NOT BE ACCEPTABLE. A SEPARATE GREEN GROUND WIRE SHALL BE RUN WITH THE CIRCUIT CONDUCTORS IN EACH CONDUIT.
- ALL BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND THE MECHANICAL CONTRACTOR.
- 5. ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND 2020 NATIONAL ELECTRICAL CODE (NFPA 70).
- 6. EACH CONTRACTOR SHALL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- 7. THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE OWNER, PRIOR TO INSTALLATION FOR USE WITH THE ACTUAL EQUIPMENT, CASEWORK, AND MILLWORK TO BE FURNISHED. 8, EQUIPMENT CONNECTIONS:
- <u>MECHANICAL EQUIPMENT:</u> SEE DETAIL ON THIS SHEET
- 9. PENETRATION:
- WHERE ELECTRICAL EQUIPMENT PENETRATES RATED WALLS AND CEILINGS, EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED PER APPROVED UL METHODS.
 WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED SEALING METHODS.
- 10. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
- II. THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEWRITTEN PANEL SCHEDULES FOR ALL PANELBOARDS AFFECTED BY THIS WORK. 12. AS BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- 13. ALL WIRE SIZES INDICATED ON THE PANEL SCHEDULES ARE BASED ON 75 DEGREE COPPER THIN/THWN WIRE, ALL WIRE TERMINALS AND EQUIPMENT SHALL BE LISTED AND APPROVED FOR 75°C. ONLY THWN-2 WIRE SHALL BE INSTALLED IN WET AND EXTERIOR LOCATION.
- 14. MINIMUM WIRE SIZE SHALL BE #12 AWG, MINIMUM CONDUIT SIZE INSIDE BUILDING SHALL BE 3/4", MINIMUM CONDUIT SIZE OUTSIDE BUILDING SHALL BE 3/4". MINIMUM CONDUIT SIZE UNDER GROUND SHALL BE 1".
- 5. METAL-CLAD CABLE (TYPE MC) AND ARMORED CABLE (TYPE AC) ARE NOT ALLOWED IN THIS PROJECT. 16. THE MAXIMUM NUMBER OF HOMERUNS IN A CONDUIT SHALL NOT EXCEED THREE (3). MULTI-WIRE CIRCUITS WITH SHARED NEUTRAL CONDUCTORS ARE NOT ALLOWED. PROVIDE INDIVIDUAL NEUTRAL FOR EACH SINGLE POLE CIRCUIT.
- 17. WHERE OUTLETS ARE SHOWN BACK TO BACK ON RATED WALLS, STAGGER OUTLETS SO THAT THEY ARE SEPARATED BY A MINIMUM OF 24".
- 18, ALL DISCONNECTS SHALL HAVE SEPARATE NEUTRAL AND GROUND BARS.
- 19. BOXES AND CONDUITS SHALL NOT BE INSTALLED RECESSED IN A 3-HOUR OR HIGHER RATED WALL. WHEN OUTLETS ARE INDICATED ON THESE WALLS, FIELD COORDINATE CONDUIT AND BOX INSTALLATION.
- 20. IT IS THE RESPONSIBILITY OF E.C. TO NOTIFY NORTH CAROLINA DEPARTMENT OF ADMINISTRATION ELECTRICAL INSPECTOR TO SCHEDULE REQUIRED INSPECTIONS. INSPECTION AVAILABILITY IS MONDAY THRU FRIDAY SUBJECT TO THE AHJ SCHEDULE.
- 21. UNDERGROUND RACEWAY
- A. RACEWAYS RUN EXTERNAL TO BUILDING FOUNDATION WALLS, WITH THE EXCEPTION OF BRANCH CIRCUIT RACEWAYS, SHALL BE ENCASED WITH A MINIMUM OF THREE (3) INCHES OF CONCRETE ON ALL SIDES.
- ENCASED RACEWAYS MUST HAVE A MINIMUM COVER OF EIGHTEEN (18) INCHES, EXCEPT FOR RACEWAY CONTAINING CIRCUITS WITH VOLTAGES ABOVE 600V, WHICH MUST HAVE A MINIMUM COVER OF THIRTY (30) INCHES.
- ENCASED RACEWAYS SHALL BE OF A TYPE APPROVED BY THE NEC AS "SUITABLE FOR CONCRETE ENCASEMENT".
- B. BRANCH CIRCUIT RACEWAYS RUN UNDERGROUND EXTERNAL TO BUILDING FOUNDATION WALLS SHALL BE RUN IN RACEWAYS INSTALLED IN ACCORDANCE WITH THE NEC, AND SHALL BE OF A TYPE APPROVED BY THE NEC AS "SUITABLE FOR DIRECT BURIAL." MINIMUM RACEWAY SIZE SHALL BE I".
- C. ALL UNDERGROUND RACEWAYS SHALL BE IDENTIFIED BY UNDERGROUND LINE MARKING TAPE LOCATED DIRECTLY ABOVE THE RACEWAY AT 6 TO 8 INCHES BELOW FINISHED GRADE. TAPE SHALL BE PERMANENT, BRIGHT-COLORED, CONTINUOUS PRINTED, PLASTIC TAPE COMPOUNDED FOR DIRECT BURIAL NOT LESS THAN 6 INCHES WIDE AND 4 MILS THICK. PRINTED LEGEND SHALL BE INDICATIVE OF GENERAL TYPE UNDERGROUND LINE BELOW.
- D. RACEWAYS RUN UNDERGROUND INTERNAL TO BUILDING FOUNDATION WALLS SHALL BE OF A TYPE AND INSTALLED BY A METHOD APPROVED BY THE NEC.
- E. WHERE UNDERGROUND RACEWAYS ARE REQUIRED TO TURN UP INTO CABINETS, EQUIPMENT, ETC., AND ON TO POLES, THE ELBOW REQUIRED AND THE STUB-UP OUT OF THE SLAB OR EARTH SHALL BE OF RIGID STEEL.
- F. THE RACEWAY SYSTEM SHALL NOT BE RELIED ON FOR GROUNDING CONTINUITY.
- G. WHERE PASSING THROUGH A 'BELOW GRADE' WALL FROM A CONDITIONED INTERIOR BUILDING SPACE, RACEWAYS SHALL BE SEALED UTILIZING FITTINGS SIMILAR AND EQUAL TO OZ/GEDNEY TYPE 'FSK' THRU-WALL FITTING WITH 'FSKA' MEMBRANE CLAMP ADAPTER IF REQUIRED,

