

ABBREVIATIONS

A.F.F.	ABOVE FINISH FLOOR	EL.
APPROX.	APPROXIMATE	ELEC.
ARCH.	ARCHITECTURAL	ELEV.
AUTO.	AUTOMATIC	ENGR.
AUX.	AUXILIARY	EQ.
AVG.	AVERAGE	EQUIP.
В.О.	BOTTOM OF	EXH.
BD.	BOARD	EXIST.
BLDG.	BUILDING	EXP.
BOT.	BOTTOM	EXP. JT.
BRG.	BEARING	F.
BTU.	BRITISH THERMAL	F.D.
	UNITS	F.E.
C.	CELSIUS	F.E.C.
C.B.	CATCH BASIN	
C.L.	CENTERLINE	F.F.J.
C.L. TO	CENTERLINE TO	F.J.
C.L.		F.O.
CJ.	CONTROL JOINT	F.O.C.
CLG.	CEILING	F.O.S.
CLR.		F.P.M.
CMU		F.P.S.
CO2		F.R.
		FAB.
CONC		FED.
CONC.		FIG.
CONOT.		FIN.
CTR	CENTER	FIN. FLF
CIL ET		FIN.
		FLR.
D F		гі. С П Ц
D.S.		G.Р.П. С.Р.М.
DBI	DOUBLE	G.F.IVI.
DEPT	DEPARTMENT	G.W.D.
DIA.	DIAMETER	GA.
DIM	DIMENSION	GAL.
DWG.	DRAWING	GEN
E.D.	EQUIPMENT DRAIN	
E.E.	EMERGENCY EYEWASH	GYP
E.E.J.	EXTERIOR EXPANSION	GYP BC
-	JOINT	
E.F.	EXHAUST FAN	HGT
E.O.S.	EDGE OF SLAB	HORIZ
E.W.C.	ELECTRIC WATER	HR.
	COOLER	HVAC
EA.	EACH	

FI	ΕΙ ΕΙΛΑΤΙΟΝ
ELEC.	
ELEV.	ELEVATOR
ENGR.	ENGINEER
EQ.	EQUAL
EQUIP.	EQUIPMENT
FXH	FXHAUST
EVIST	
EXP.	EXPANSION
EXP. JT.	EXPANSION JOINT
F.	FAHRENHEIT
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER
	CABINET
FFI	
E I	
г. <u>ј</u> .	
F.O.	
F.O.C.	FACE OF CHANNEL
F.O.S.	FACE OF STUD
F.P.M.	FEET PER MINUTE
F.P.S.	FEET PER SECOND
F.R.	FLOOR RECEPTACLE
FAR	FABRICATE
FED.	
FIG.	FIGURE
FIN.	FINISH
FIN. FLR.	FINISH FLOOR
FIN.	FINISH GRADE
GRD.	
FLR.	FLOOR
FT.	FEET
G.P.H.	GALLONS PER HOUR
G.P.M.	GALLONS PER MINUT
GWB	GYPSUM WALL BOARD
C.W.D.	
GA.	GAUGE
GAL.	GALLON
GALV.	GALVANIZE(D)
GEN.	GENERAL
GOVT.	GOVERNMENT
GYP.	GYPSUM
GYP BD	GYPSUM BOARD
	HUKIZUNTAL
HR.	HOUR
HVAC	HEATING,
	VENTILATION, A/C

INCH INFO. INFORMATION INSUL INSULATION INVERT JOINT L.H. LEFT HAND L.H.R. LEFT HAND REVERSE LIVE LOAD LABORATORY POUND MAN HOLE M.O. MASONRY OPENING MAINTENANCE MAINT MAX. MAXIMUN MECH. MECHANICAL MEMO. MEMORANDUM MEZZ. MEZZANINE MFG. MANUFACTURE(R) MIN. ліміміл MISC. MISCELLANEOUS MTL. METAL NOT APPLICABLE NOT IN CONTRACT N.I.C. N.T.S. NOT TO SCALE NEGATIVE NEG. NO. NUMBER O.C. ON CENTER O.D. OUTSIDE DIAMETER O.F.C.I. OWNER FURNISHED CONTRACTOR INSTALLED O.F.O.I. ONWER FINISHED OWNER INSTALLED O.H. OPPOSITE HAND OPP. OPPOSITE P.A. PUBLIC ADDRESS P.S.F. POUNDS PER SQUARE FOOT P.S.I. POUNDS PER SQUARE INCH PL. PLATE PREFAB. PREFABRICATED PRELIM. PRELIMINARY PROJ. PROJECT PT. POINT R (RAD) RADIUS R.A. RETURN AIR R.D. ROOF DRAIN

IN.

INV.

L.L.

LAB

LB.

M.⊢

N.A.

R.H. R.H.R. REFRIG. REINF. REQD.	RIGHT HAND RIGHT HAND REVERSE REFRIGERATOR REINFORCE REQUIRED
S.D.	STORM DRAIN
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATION
SQ.	SQUARE
SQ. FT.	SQUARE FEET
SQ. IN.	SQUARE INCHES
ST.	STREET
STD.	STANDARD
STL.	STEEL
STRUCT.	STRUCTURAL
SYM.	SYMBOL
T&G	TONGUE & GROOVE
Т.О.	TOP OF
T.V.	TELEVISION
TEL.	TELEPHONE
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
V.C.T.	VINYL COMPOSITION
V.O.C.	VOLATILE ORGANIC COMPOUND
VERT.	VERTICAL
VOL.	VOLUME
W.C.	WATER CLOSET

GCAM - WELDING LAB EXPANSION GEORGETOWN, SOUTH CAROLINA

OSE PROJECT#: H59-N219-CB

DE	TAIL NU	MBERIN	IG SYST	ΓEM			
20	16	12	08	04			
19	15	11	07	03			
18	14	10	06	02			
17 13 09 05 01							





				704.376.7072 w
		SHEE		X
ET NO.	SHEET TITLE	Issue Date REVISIO	N NO.	SHEET TITL
L	COVER SHEET CODE INFORMATION LIFE SAFETY PLAN	04/28/2023 04/28/2023 04/28/2023	PLUMBING P001 P101 P201	PLUMBING NOTES, SYMBOLS, SCHEDULES FIRST FLOOR PLAN - WEST - WATER AND W WASTE WATER AND VENT PIPING ISOMETE
TURA	L WELDING EXPANSION PLANS AND DETAILS EXTERIOR CONCRETE SLAB	04/28/2023 05/12/23	MECHANIC/ M001 M101	AL LEGEND, SYMBOLS, NOTES AND DRAWING FIRST FLOOR PLAN - EAST - HVAC DUCTWC
			ELECTRICA E001	LEGEND, NOTES, SCHEDULES, PARTIAL PO
С	OSE - FORM 3E			
SC	OSE - FORM 3E TABLE 3E CODE INFORMATION OCCUPANCY TO AN E TYPE OF PROJECT:	FOR ADDITIONS, ALTERATIONS, OR CHA XISTING STRUCTURE	2023 Edition	
C	OSE - FORM 3E TABLE 3E CODE INFORMATION OCCUPANCY TO AN E TYPE OF PROJECT: Alteration (IEBC Chaps. 7, 8 &9)	FOR ADDITIONS, ALTERATIONS, OR CHA XISTING STRUCTURE	2023 Edition NGE OF BC Chap. 10)	
С	OSE - FORM 3E TABLE 3E CODE INFORMATION OCCUPANCY TO AN E TYPE OF PROJECT: ☑ Alteration (IEBC Chaps. 7, 8 &9) ☐ Add METHOD OF COMPLIANCE: (Check only one Option and all items that apply under that Option.)	FOR ADDITIONS, ALTERATIONS, OR CHA XISTING STRUCTURE lition (IEBC Chap. 11) Change of Occupancy (IE Option 1: Prescriptive Compliance Method (IEBC Alteration Level 1, minor including reroofing (IEI Alteration Level 2, reconfigurations of space (IEBC Alteration Level 3, work area exceeds 50% (IEBC Aggregate area of building: 30,424 Work area: 1,149	2023 Edition NGE OF BC Chap. 10) C Chapter 5) Chaps. 6-12) BC Chap. 7) BC Chap. 8) C Chap. 9) SF SF SF	
C	OSE - FORM 3E TABLE 3E CODE INFORMATION OCCUPANCY TO AN E TYPE OF PROJECT: ☑ Alteration (IEBC Chaps. 7, 8 &9) □ Add METHOD OF COMPLIANCE: (Check only one Option and all items that apply under that Option.)	FOR ADDITIONS, ALTERATIONS, OR CHA STRUCTURE ition (IEBC Chap. 11) Change of Occupancy (IE Option 1: Prescriptive Compliance Method (IEBC Alteration Level 1, minor including reroofing (IEI Alteration Level 2, reconfigurations of space (IEB Alteration Level 3, work area exceeds 50% (IEBC Aggregate area of building: 30,424 Work area: 1,149 Option 3: Performance Compliance Method (IEBC	2023 Edition NGE OF BC Chap. 10) C Chapter 5) Chaps. 6-12) BC Chap. 7) BC Chap. 8) C Chap. 9) SF SF SF C Chap. 13)	
SC	OSE - FORM 3E TABLE 3E CODE INFORMATION OCCUPANCY TO AN E TYPE OF PROJECT: ☑ Alteration (IEBC Chaps. 7, 8 &9) □ Add METHOD OF COMPLIANCE: (Check only one Option and all items that apply under that Option.) Original Building Code and Edition Applicable at	FOR ADDITIONS, ALTERATIONS, OR CHAXISTING STRUCTURE dition (IEBC Chap. 11) Change of Occupancy (IE Option 1: Prescriptive Compliance Method (IEBC Alteration Level 1, minor including reroofing (IEI Alteration Level 2, reconfigurations of space (IEE Alteration Level 3, work area exceeds 50% (IEBC Alteration Level 3, work area exceeds 50% (IEBC Aggregate area of building: 30,424 Work area: 1,149 Option 3: Performance Compliance Method (IEBC time of Construction: IBC 2015	2023 Edition NGE OF BC Chap. 10) C Chapter 5) Chaps. 6-12) BC Chap. 7) BC Chap. 9) SF SF C Chap. 13)	
C	OSE - FORM 3E TABLE 3E CODE INFORMATION OCCUPANCY TO AN E TYPE OF PROJECT: ☑ Alteration (IEBC Chaps. 7, 8 &9) □ Add METHOD OF COMPLIANCE: (Check only one Option and all items that apply under that Option.) Original Building Code and Edition Applicable at Existing Sprinkler System? Existing Fire Alarm System?	FOR ADDITIONS, ALTERATIONS, OR CHAXISTING STRUCTURE lition (IEBC Chap. 11) Change of Occupancy (IE Option 1: Prescriptive Compliance Method (IEBC Option 2: Work Area Compliance Method (IEBC Alteration Level 1, minor including reroofing (IEI Alteration Level 2, reconfigurations of space (IEB Alteration Level 3, work area exceeds 50% (IEBC Aggregate area of building: 30,424 Work area: 1,149 Option 3: Performance Compliance Method (IEBC Yes Yes Manual	2023 Edition NGE OF BC Chap. 10) Chapter 5) Chaps. 6-12) BC Chap. 7) BC Chap. 8) C Chap. 9) SF SF SF NO Auto	
SC	OSE - FORM 3E TABLE 3E CODE INFORMATION OCCUPANCY TO AN E TYPE OF PROJECT: ☑ Alteration (IEBC Chaps. 7, 8 &9) □ METHOD OF COMPLIANCE: (Check only one Option and all items that apply under that Option.) Original Building Code and Edition Applicable at Existing Sprinkler System? Existing Fire Alarm System? Seismic Evaluation Required?	FOR ADDITIONS, ALTERATIONS, OR CHAXISTING STRUCTURE lition (IEBC Chap. 11) Change of Occupancy (IE Option 1: Prescriptive Compliance Method (IEBC Alteration Level 1, minor including reroofing (IEI Alteration Level 2, reconfigurations of space (IEB Alteration Level 3, work area exceeds 50% (IEBC Alteration Level 3, work area exceeds 50% (IEBC Alteration Level 3, work area exceeds 50% (IEBC Aggregate area of building: 30,424 Work area: 1,149 Option 3: Performance Compliance Method (IEBC Yes Manual	2023 Edition NGE OF BC Chap. 10) Chapter 5) Chaps. 6-12) BC Chap. 7) BC Chap. 9) SF SF C Chap. 13) No Auto No	
SC	OSE - FORM 3E TABLE 3E CODE INFORMATION OCCUPANCY TO AN E TYPE OF PROJECT: Alteration (IEBC Chaps. 7, 8 &9) Alteration (IEBC Chaps. 7, 8 &9) METHOD OF COMPLIANCE: (Check only one Option and all items that apply under that Option.) Original Building Code and Edition Applicable at Existing Sprinkler System? Existing Fire Alarm System? Seismic Evaluation Required? Major Facility Project? (See §48-52-810(10)(a))	FOR ADDITIONS, ALTERATIONS, OR CHAXISTING STRUCTURE itition (IEBC Chap. 11) Change of Occupancy (IE Option 1: Prescriptive Compliance Method (IEBC Alteration Level 1, minor including reroofing (IEI Alteration Level 2, reconfigurations of space (IEBC Alteration Level 3, work area exceeds 50% (IEBC Alteration Level 3, work area exceeds 50% (IEBC Alteration Level 3, work area exceeds 50% (IEBC Aggregate area of building: 30,424 Work area: 1.149 Option 3: Performance Compliance Method (IEBC Yes Manual Yes Yes Yes Yes Yes	2023 Edition NGE OF BC Chap. 10) C Chapter 5) Chaps. 6-12) BC Chap. 7) BC Chap. 8) C Chap. 9) SF SF SF SF C Chap. 13) No Auto No No No	

ORIGINAL BUILDING CODE INFORMATION SHOWN FOR **REFERENCE. NO CHANGE WITH CURRENT SCOPE OF** WORK.

1.3 CODES AND STANDARDS				
А.	Starting July 1 2016, State design and construction must comply with the codes and standards, along with their published errata and other requirements listed in this Chapter.			
В.	If there is any conflict between the codes, standards, and/or regulations listed herein, the more stringent requirement controls.			

- **C.** Designers and Agency reviewers should ensure they have the latest errata for indicated editions to International Codes, other codes and standards.
- **D.** Codes editions in force at the time of first submittal govern throughout the project, unless: 1. Otherwise permitted by OSE; or
- 2. Design is delayed for more than 6 months and OSE adopts editions that are more current in the interim. No project may use a code that is older than one previous adopted edition.
- E. In accordance with SC Code Ann §§ 1-34-10 thru 70 & § 10-1-180, OSE has adopted the following codes: 1. International Building Code (IBC), 2015 Edition,
- 2. International Existing Building Code (IEBC), 2015 Edition,
- 3. International Fire Code (IFC), 2015 Edition,
- 4. International Energy Conservation Code (IECC), 2009 Edition, 5. International Fuel Gas Code (IFGC), 2015 Edition,
- 6. International Mechanical Code (IMC), 2015 Edition,
- 7. <u>International Plumbing Code</u> (IPC), 2015 Edition, with the following insertions: **a.** Section 305.4.1, insert "18" and insert "18"
- **b.** Section 903.1, insert "8"
- 8. International Private Sewage Disposal Code (IPSDC), 2015 Edition,
- 9. International Property Maintenance Code (IPMC), 2015 Edition,
- 10. International Residential Code for One and Two Family Dwellings (IRC), 2015 Edition, with the following insertions: **a.** P2603.5.1, insert "12" and insert "24"
- 11. International Wildland Urban Interface Code (IUWIC), 2015 Edition, Note: The IUWIC does not supersede existing statutory requirements.
- 12. International Code Council Performance Code (ICCPC), 2015 Edition, upon State Engineer's approval.
- 13. International Swimming Pool and Spa Code (ISPSC), 2015 Edition, 14. Standard for Bleachers, Folding and Telescopic Seating, and Grandstands, ICC 300-2012 Edition
- 15. National Electrical Code (NEC) [NFPA-70], 2014 Edition
- 16. National Electrical Safety Code, IEEE-C2-2012 Edition

10.	National Electrical Safety Code, IEEE-02-2012 Edition
17.	Latest edition of the American National Standards Institute, Inc. (ANSI) document A117.1, Accessible a
	Useable Buildings and Facilities. Note that this standard is the standard adopted by the South Caroli
	Accessibility Act but this requirement does not relieve the Agency or the design professional from t
	Federal Statutory requirements that design and construction comply with the Americans with Disabilit
	Act Accessibility Guidelines for Buildings and Facilities. See http://www.access-board.gov/guidelines
	andstandards/buildings-and-sites/about-the-ada-standards/ada-standards
10	State Fire Marshell relations and reliaire See 144 //

- **18.** State Fire Marshal rules, regulations, and policies. See <u>http://www.scfiremarshal.llronline.com</u> **19.** South Carolina Elevator, Code, & Regulations.¹:
- See <u>http://www.llr.state.sc.us/Labor/ElevatorAmusement/index.asp?file=bungee.htm</u>
- 20. State of SC Telephone Equipment Room and Communications/Data Systems Policies as formulated by the Division of State Information Technology (DSIT).
- 21. Governor's executive Order No. 82-19 (April 1982) State of SC Building Standards in Floodplain Areas. 22. The South Carolina Modular Buildings Construction Act S.C. Code § 23-43-10 et. Seq.

FLOOD HAZARD ARE	<u>\</u>		
Flood Map Information:	Flood Zone: <u>X</u> (A Floodplain Permit is	required for A and	Community Number: <u>450085</u> Panel Number: <u>0379</u> D
V Zones) Is the Project Site in a 100-	Year Flood Plain? Ye	es 🗌 No 🖾	NGVD or FIRM
Base Flood Elevation 22	00	MSL	IBC 1012.5 and ASCE 24
Design Flood Elevation	22.00	MSL	
NON HIGH-VELOCITY	WAVE ACTION		
Elevation of Lowest Propo	sed Floor 40.0	MSL	Meet ASCE 24 Section 2.6.2.1/ 2.6.2.2
Dry floodproofing	Yes 🗌	No 🗌	per ASCE 24
HIGH-VELOCITY WAY	E ACTION		
Elevation of bottom of Lov	vest Horizontal Structur	al Member of lowest	floor MSL
Flotation resistant	Yes 🗌	No 🗌	per ASCE 24
Breakaway wall	Yes 🗖	No 🗍	per ASCE 24

IBC 1612 and SE-510, as applicable

ZONING CERTIFICATION	
"I hereby certify that, to the best of my knowledge, these pla have been submitted to appropriate authority for their review	ans comply with applicable zoning ordinances, and that plans and/or approval."
Signed: Selan Mar	12 MARCH 2018
Architect/Engineer	Date

If the project does not require a National Pollution Discharge Elimination System (NPDES) permit from SCDHEC, include the following certification on the Site Plan(s):

EROSION AND SEDIMENT REDUCTION/STORMWATER MANAGEMENT Designer's Certification: "I hereby certify that the measures in this plan are designed to control erosion, retain sediment on the site, and manage stormwater in a manner that neither any on-site nor off-site damage or problem is caused or increased, that all structural measures are designed to the minimum standards for health and safety, and that all the provisions of the plan are in compliance with the Regulations contained in Chapter 72, Article 2, SC Code of Regulations (Erosion and Sediment Reduction and Stormwater Management Regulations)." Semigener 12 MARCH 2018 Signed Engineer or Registered Landscape Architect (Circle one) Date

SOILS INVESTIGATION (If required)	Yes 🛛 No 🗌	per IBC 1803.2
SOILS CLASSIFICATION		
Site Class	D	per IBC 1613.3.2
Classes Soil of Materials (UCS System)	_A	per IBC 1803.5.1
Allowable Footing Bearing Pressure	_4000psf	1
MINIMUM DESIGN SOIL BEARING LOAD	<u>N/A</u> psf	per IBC table 1806.2
COMPACTION		
Subgrade: _95 Percent	ASTM D698	ASTM D1557 🛛 AASHT
	(only for paving a	& roads)
Base: <u>95</u> Percent	∐ASTM D698 [JASTM D1557 ⊠AASHT
Other: Percent	ASTM D698	ASTM D1557 AASHT
	(only for paving a	& roads)
MINIMUM DESIGN SOIL LATERAL LOAD	<u>N/A</u> psf	per IBC 1610.1
FOOTINGS		
Undisturbed footings	Yes 🗌 No 🗌	
Compacted Fill Material	Yes 🗌 No 🗌	per IBC 1804.6
ELEVATIONS		
Elevation of Water Table:		MSL
Elevation of lowest footing:		MSL
		MSI

Does build If so, what	ing have Acces percent of stor
Mixed Occ	cupancy
Non separa	ated
Separated Fire Appar	atus Access an
OTHER F If the build describe the evacuation • A • Per	FIRE PROTEC ding has any s ne performance /control/compa utomatic Fire I ortable Fire Ex
TABLE	5-4 BUILI
AREA LI	MIT BY TAB
AREA IN EXPL	CREASES BY
AREA AS Story/I Story/Le Story/Le Story/Le	S ALLOWED Level: <u>1</u> vel: vel: vel:
TOTAL A (summary	ALLOWED All of all stories)
AREA AS Story/l Story/Le Story/Le Story/Le	5 DESIGNED Level: <u>1</u> vel: vel: vel:
TOTAL D	DESIGNED AI
TABLE	5-5 BUILI
PER TABI	LE 504.3
PER TABI	LE 504.4
Total Heig Allowable	ht, including ar Increase
TABLE	5-6 BUILI
STORY/ LEVEL	FUNCTIO
	BUSINESS - V

	BUSINESS -	
3	BUSINESS -	
1	BUSINESS -	
	BUSINESS - /	
	Subtotal De	
	BUSINESS -	
	BUSINESS -	
1	BUSINESS - L	
	BUSINESS - /	
	Subtotal De	
		
	Subtotal De	
3	·	
	_	
	Subtotal De	
TOTAL	BUILDING D	
FOOTNO	DTES:	
 Provide the comple Design Area per ex 		
 Allowed Floor Area 		
4. Divid	e Column A (

	1				
CONSTRUCTION CLASSIFICATION	Type: II B e			(IBC 602)	
OCCUPANCY CLASSIFICATION (indicate all) (Note IBC 504.2)			(IBC 302)		
MOST RESTRICTIVE OCCUPANCY CLASSIFICATION		N/A			
Does building require Incidental Use Area Separation?	Yes	No	\boxtimes	(IBC 509.1)	
Does building have Accessory Occupancy (ies)? If so, what percent of story is Accessory Occupancy?	Yes	□ No		(IBC 508.2)	SF %
Mixed Occupancy	Yes	No	\boxtimes	(IBC 508)	
Non separated	Yes	🗌 No	\boxtimes	(IBC 508.3)	
Separated	Yes	No	\boxtimes	(IBC 506.2.2) (IBC 506.2.4) (IBC 508.4)	
Fire Apparatus Access and Water Line	Yes	🛛 No		(IFC 503 & 507)	

CTION SYSTEMS, DEVICES or FEATURES

special or notable fire protection or safety feature or hazard the designers should list them here, e characteristics and refer to locations in construction documents. (e.g. fire extinguishers, smokeartments. Note IBC 414.1.3.)

Protection Sprinklers tinguishers

DING AREA		
BLE 506.2 OF IBC	92000 (area limitatio	SF on per story)
W SECTION 506.2 AND 506.3 OF IBC	(maximum m	SF odified area per story)
D IN IBC PER STORY	<u>92000</u> 	SF (area per story) SF (area per story) SF (area per story) SF (area per story)
AREA OF BUILDING	_92000	SF
PER STORY		SF (area per story) SF (area per story) SF (area per story) SF (area per story)
AREA OF BUILDING	_30424	SF

	AS DES	IGNED	AS ALLOW	ED BY IBC
	In Feet	In Stories	In Feet	In Stories
	<u>25' 8''</u>	N/A	<u>75'</u>	N/A
	N/A	1	N/A	4
any	N/A	N/A	N/A	N/A

	Α	В	C	D
ON OF SPACE (1)	FLOOR AREA ⁽²⁾ (NSF or GSF)	MAX AREA ALLOWED PER OCCUPANT ⁽³⁾ (NSF or GSF)	OCCUPANTS ON FLOOR FOR THIS FUNCTION ⁽⁴⁾	DESIGN OCCUPANI LOAD ⁽⁵⁾
VOCATIONAL 1	8548	50	173	
VOCATIONAL 2	5338	50	89	
VOCATIONAL 3	4129	50	64	2
AREAS	1,248	100	18	
sign Occupant Load	for This Story			344
ACCESSORY	1825	300	12	
CLASSROOM	796	20	40	
OCKER ROOM	337	50	7	
ASSEMBLY UNCON.	1413	15	95	
sign Occupant Load	l for This Story			154
		86	P	
		8 <u></u> 10		
sign Occupant Load	for This Story			;
			3	
sign Occupant Load	l for This Story			· · · · · ·
FRICN OCCUPAN	TLOAD			498 (6)

the name of the Function of Space using the left column of Table 1004.1.2 of the IBC each occupant of this Function on this Story in either Gross (GSF) or Net (NSF) Square Footage (2) eas in SF per Occupant per right column in Table 1004.1.2 of the IBC⁽³⁾ (2) by Column B (3) for each function and enter result, rounded up to the nearest whole person ⁽⁴⁾ Subtotal all Column C values for this floor to yield the Design Occupant Load⁽⁵⁾ Total Building Design Occupant Load -sum of all Column D value

SEPARATIONS		
Fireblocking Required	Yes 🗌 No 🖾	per IBC Section 718
Draftstopping Required	Yes 🗌 No 🖾	per IBC Section 718
Smoke Control System Required	Yes 🗌 No 🖾	per IBC Section 909
Smoke Barriers Required	Yes 🗌 No 🖾	per IBC Section 407 and 408
Smoke Partitions Required	Yes 🗌 No 🖾	per IBC Section 407
Fire Partition Required	Yes 🗌 No 🖾	per IBC Section 708
Fire Barrier Required	Yes 🗌 No 🖾	per IBC Section 707
ALARM & DETECTION		
Fire Alarm System Required	Yes 🛛 No 🗌	per IFC Section 907
Emergency Alarm System Required	Yes 🛛 No 🗌	per IFC 908
SUPPRESSION		
Standpipes Required	Yes 🗌 No 🖾	per IFC Section 905
Sprinklers Required	Yes 🗌 No 🖂	per IFC Section 903
Sprinklers Provided	Yes 🖾 No 🗌	
Portable extinguishers required	Yes 🛛 No 🗌	per IFC 906
Other suppression systems required	Yes 🗌 No 🖾	per IFC 904
Smoke & heat vents required	Yes 🗌 No 🖂	per IFC 910
OTHER A. P. A. A. M. I. I.C.	and life safety features not l	isted above if any)

BUILDING ELEMENT	RATING AS REQUIRED (in hours)	RATING AS DESIGNED (in hours)	TESTING AGENCY & DESIGN NO. (UL, FM, etc)	DESIGNERS WALL/PARTITION KEY CODE
Primary Structural Frame (per IBC Table 601)	<u>0</u>	<u>0</u>	N/A	N/A
Bearing Walls Exterior Interior (per IBC Table 601)	<u>0</u> <u>0</u>	<u>0</u> <u>0</u>	N/A N/A	N/A N/A
Nonbearing Walls & Partitions Exterior Interior (per IBC Table 601 & 602) Note footnote "d" from Table 601.	<u>0</u> <u>0</u>	<u>0</u> <u>0</u>	N/A N/A	N/A N/A
Floor Construction including supporting beams & joists (per IBC Table 601)	<u>0</u>	<u>0</u>	N/A	N/A
Roof Construction including supporting beams & joists (per IBC Table 601)	<u>0</u>	Q	N/A	N/A
Fire Walls (per IBC Section 706)	<u>0</u>	<u>0</u>	N/A	N/A
Fire Barriers (per IBC Section 707)	<u>0</u>	<u>0</u>	N/A	N/A
Shaft Enclosures (per IBC Section 713)	<u>0</u>	<u>0</u>	N/A	N/A
Fire Partitions (per IBC Section 708)	<u>0</u>	<u>0</u>	N/A	N/A
Opening & Protective Listing by Category (fire shutters, doors, etc. per IBC Section 716)	<u>0</u>	<u>0</u>	N/A	N/A
Others (as required by Designer)	<u>0</u>	<u>0</u>	N/A	N/A

TABLE 5-9 STRUCTURAL DESIGN INFORMATION

RISK CATEGORY: <u>II</u>	IBC Tal
LIVE LOADS	
Floor Live Load(s) - List the F _{II} for each occupancy/use. Occupancy/Use: 6" - TYP SLAB ON GRADE	
Occupancy/Use:	
Roof Live Load $R_{II} = 20$ PSF	
Ground Snow Load $p_g = 10$ PSF	IBC Fig
WIND LOADS	
Analysis Procedure:IBC 2015	ASCE 7
Ultimate Design Wind Speed: V _{ULT} = 143 MPH	IBC Fig
Exposure Category: C	IBC 16
Internal Pressure Coefficient: $GC_{pi} = 0.18$	ASCE 7
External Pressure Coefficient: GC _p = VARIES	ASCE 7
Protection of Openings Required Yes X No	IBC 160
If "Yes", check one: Impact Resistant Glazing	
Impact Resistant Covering	
SEISMIC LOADS	
Seismic Importance Factor: $I_e = 1.0$	ASCE 7
Site Class: D	IBC 16
Mapped Spectral Response Accelerations:	$S_s = $
Design Spectral Response Acceleration Parameters:	S _{DS} =
Seismic Design Category:D	IBC Tal
Basic Seismic Force Resisting System: STEEL SPECIAL BRACED FRAMES	ASCE 7
Design Base Shear: 542 KIPS	
Seismic Response Coefficient(s): $C_s = $.264 ASCE 7 Response	e Modific
E	
Factor(s): $R = 0$ ASCE 7	
Analysis Procedure: ASCE 7	
Analysis Procedure: EQUIVELENT LATERAL FORCE ARCHITECTURAL-MECHANICAL-ETC. LOADS	
Analysis Procedure: EQUIVELENT LATERAL FORCE ARCHITECTURAL-MECHANICAL-ETC. LOADS Provide as applicable: architectural items, mechanical, plumbing, etc. p	er ASCE
Analysis Procedure: ASCE 7 Analysis Procedure: EQUIVELENT LATERAL FORCE ARCHITECTURAL-MECHANICAL-ETC. LOADS Provide as applicable: architectural items, mechanical, plumbing, etc. po SPECIAL LOADS	er ASCE

*per IBC Chapter 16 and ASCE 7 -- Information may be shown on initial Structural other code information. List floor design loads on structural plans.

ble 1604.5
- 100 per
$F_{\rm H} = \frac{400}{1500} \text{ PSF}$
$F_{n} = PSF$
$F_{II} = \PSF$
gure 1608.2 (or ASCE 7)
7 or IBC 1609
g's. 1609.3(1)-(3)
7
7
09.1.2
7 Table 1.5-2
13.3.2
$S_1 = 0.20$
$S_{D1} = 0.52$
bles 1613.3.5(1) & 1613.3.5(2)
/ Chapter 12
cation
7
ASCE 7
al Sheet of the drawings or on Sheet with

TABLE 5-10 PL	UMBING INFOR	MATION				
WATER SYSTEM:	Service Line Size:	25	Inches			
	Peak Flow: 90	10	GPM			
	Total Demand: 203	6	No. Fixture Units			
SANITARY SEWER	SYSTEM: Load	GPD				
	Service Line Size: 4			Inches		
	Slop	e: 1/8*	min inches	/ft		
MINIMUM PLUMB	ING FIXTURES RE(DUIRED/PROVIDED	(Per IPC Section 403 & Ta	ble 403.1)		
Occupancy Classificat	ion(s) (as shown in Tal	ole 5-3): BUSSINESS				
Total Building Design	Occupant Load (as she	own in Table 5-6): 498				
1. Occupancy: BUSSIN	ESS Total	Load for this Occupancy:	498 Male: 249	Female: 249		
	Male-REQUIRED	Male-PROVIDED	Female-REQUIRED	Female-PROVIDED		
Water Closets	6	4	6	6		
Lavatories	4	4	4	4		
Urinals*	0	2	0	0		
OTHER FIXTURES (Per IPC Section 403 & Table 403.1)			REQUIRED	PROVIDED		
Drinking Fountains			5	5		
Unisex Toilet						
Service Sink			1	1		
Other (list)				<u> 200-000</u>		
2. Occupancy:	Total	Load for this Occupancy:	Male:	Female:		
	Male-REQUIRED	Male-PROVIDED	Female-REQUIRED	Female-PROVIDED		
Water Closets		e				
Lavatories						
Urinals*						
OTHER FIXTURES	(Per IPC Section 403	& Table 403.1)	REQUIRED	PROVIDED		
Drinking Fountains						
Unisex Toilet						
Service Sink						
Other (list)						
3. Occupancy:	Total	Load for this Occupancy:	Male:	Female:		
	Male-REQUIRED	Male-PROVIDED	Female-REQUIRED	Female-PROVIDED		
Water Closets						
Lavatories						
Urinals*		-				
OTHER FIXTURES	(Per IPC Section 403	& Table 403.1)	REQUIRED	PROVIDED		
Drinking Fountains						
Unisex Toilet						
Service Sink				3 <u>4</u>		

* Urinals - See IPC 419.2

Other (list)

AIR COMFORT SYSTEMS Overall Thermal Transfer Value (OTTV): Building Cooling Load: Building Heating Load:		2.72 Roof/15.16 Glass 306.1		6 Glass	BTU/(HR x °F x SF) SF / Ton BTU/(HR x SF)	
		28.5				
OTHER LOADING FE	ATURES					
Glass: Insulation Values:	U Factor Roof: <u>0</u>	0.45 .036		Wind Exter	low to wall r ior Walls: <u>(</u>	_{atio:} <u>28.7</u>).190 - Mass
Outside Air minimum wh	nile occupied:	5850		CFM	277	Occupants

Briefly describe mechanical system: HOONOP packaged equipment with gas and electric neat. (The above data shall be considered a minimum and any special attribute required to meet the mechanical codes.)

SERVICE TRANSFORMER : X By Utility Co	ompany Dy Age (if by A	ency Agency) KVA Primary Voltage/Phase
ELECTRICAL SERVICE INFORMATION Service Voltage/Phase:	<u>480/277v, 3 phase 2,</u>	000 Amperes
Service Entrance Conductors Size: Total Connected Load: Estimated Maximum Demand:	<u>350 KCMIL x 7</u> <u>1494.4</u> 1473 3	Quantity per Phase KVA
Available Fault Current in Symmetrical Amperes: Interrupting Capacity of Service Overcurrent Device:	BY UTILITY 65.000	
Grounding Electrode System Components:	<u>GROUND RODS + C</u>	OND. (NEC 250)
Emergency Generator: Yes No X Exit/Emergency Lights Backup Power Fire Alarm System: X Manual Automatic	KVA V KVA V K Integral Battery K Addressable	/oltage/Phase Fuel Generator Class A X Class B
LIGHTNING PROTECTION PROVIDED	X Yes	🗌 No
COMMUNICATIONS COORDINATED Contact DSIT Network/Infrastructure Planning for appli	Yes cability at (803) 896-0001	Not Required

TABLE 5-13 DESIGN-RELATED CONSTRUCTION PERMITS/APPROVALS The following list is not all-inclusive of every, permit and standards applicable to each project. Agencies and A/Es must delete non- applicable listings and add others for each specific project.						
TYPE OF DEVELOPMENT	SC LAW OR REG.	WHERE TO OBTAIN PERMIT/APPROVAL	STATUS			
Building construction, Zoning	6-7-10; 6-9-110	Local Authority	<u>IN R</u> EVIEW			
Fire Department (Local)	Various local	Servicing Fire Department	IN REVIEW			
Fire Protection Sprinkler	40-10	State Fire Marshal				
Storm water discharge, erosion and sediment control	R61-9; R72-100-108	SCDHEC – Water Pollution Control; State Engineer; Local Authority	IN REVIEW			

TABLE 5-14 STATEMENT OF SPECIAL INSPECTIONS S003 & S004 The Designer(s) of Record shall determine the material and/or work on the project requiring Special Inspections. The Special Inspection requirements shall be based on Section 1705 of the 2015 International Building Code. Any deviations from the requirements of Section 1705 must be approved by OSE

PROJECT NAME: HORRY GEORGETOWN TECHNICAL COLLEGE

PROJECT NUMBER:	H59-6128-CA

MATERIAL	TYPE OF INSPECTION	FREQUENCY	SPECIFICATION REFERENCE	INSPECTION BY
×		<u></u>	2 	<u></u>
(<u>6</u>	<u></u>	<u></u>		
	<u></u>			







LIFE SAFETY P	LAN LEGEND:
	ASSUMED PROPERTY LINE
****	COMMON PATH OF TRAVEL DISTANCE
	MAXIMUM TRAVEL DISTANCE
	n = MAXIMUM NUMBER OF OCCUPANTS, CALCULATED PER TABLE 1004.1
FEC	SEMI RECESSED FIRE EXTINGUISHER CABINET
$\mathbf{\hat{v}}$	LIGHT FIXTURE ON EMERGENCY CIRCUIT, LIFE SAFETY BRANCH
	LIGHT FIXTURE ON EMERGENCY CIRCUIT, LIFE SAFETY BRANCH
\bigotimes	EXIT LIGHT

WAL	WALL PARTITION LEGEND:							
1.	REFER TO A003 FOR ALL INTERIOR PARTITION INFO	DRMATION						
2.	3 HR. FIRE RATING							
3.	2 HR. FIRE RATING (6' FEET	HIGH)						
4.	X X ALUMINUM CHAIN LINK FENC	CING						
	LIFE SAFETY PLAN 3/32" = 1'-0"							





						WI	ELDING LAB EQU
ITEM #	DESCRIPTION	QUANTITY	NEW/EXISTING	COMPRESSED AIR	WATER REQ.	GAS REQ.	ELECTRICAL CONNECTION
1	WELDING BOOTH - LINCOLN ELECTRIC (RED)	5	NEW	YES	NO	YES	YES
2	WELDER - LINCOLN ELECTRIC	5	NEW	NO	NO	YES	YES
3	WELDING BOOTH - MILLER ELECTRIC (BLUE)	5	NEW	YES	NO	YES	YES
4	WELDER - MILLER ELECTRIC	5	NEW	NO	NO	YES	YES
14	JIG POLE	10	NEW	NO	NO	NO	NO
18	WELDING CURTAIN AND HOOKS	10	NEW	NO	NO	NO	NO













SEISMIC AND WIND REQUIREMENTS RISK CATEGORIES I, II & III INFORMATION FOR IBC-2012 / ASCE 7-10

SEISMIC DESIGN CATEGORY D

- GENERAL NOTES A. PER THE 2015 SOUTH CAROLINA BUILDING CODE, MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND COMPONENTS, INCLUDING THEIR SUPPORTS AND ATTACHMENTS, SHALL BE DESIGNED FOR SEISMIC FORCES IN ACCORDANCE WITH CHAPTER 13 OF ASCE 7-10.
- B. EXTERIOR EQUIPMENT (INLCUDING ROOF CURBS & ROOF RAILS) EXPOSED TO WIND SHALL BE DESIGNED AND INSTALLED TO RESIST THE WIND PRESSURES DETERMINED IN ACCORDANCE WITH CHAPTERS 26 TO 29 OF ASCE 7-10.
- C. WHERE DESIGN FOR SEISMIC AND WIND LOADS IS REQUIRED, THE MORE DEMANDING FORCE MUST BE USED.
- D. REFERENCE THE STRUCTURAL DRAWINGS FOR SITE SPECIFIC INFORMATION ON SEISMIC DESIGN CATEGORY, WIND SPEEDS, ETC. E. SEE EQUIPMENT SCHEDULES AND DETAILS FOR SPECIFIC COMPONENT IMPORTANCE FACTOR
- DESIGNATIONS. F. USE TABLE BELOW TO DETERMINE SEISMIC RESTRAINT REQUIREMENTS FOR EACH COMPONENT.
- G. FOR ALL COMPONENTS REQUIRING SEISMIC RESTRAINT, THE COMPONENT SUPPORTS AND

ACCOMPANYING DETAILS AND CALCULATIONS.

ATTACHMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL. H. WHERE SEISMIC RESTRAINT IS REQUIRED, HOUSEKEEPING PADS NEEDED FOR THE INSTALLATION OF EQUIPMENT UNDER THIS CONTRACT MUST BE DESIGNED BY THE SEISMIC ENGINEER. DO NOT POUR ANY HOUSEKEEPING PADS PRIOR TO THE THE RECEIPT OF THE APPROVED SEISMIC SUBMITTAL. SEISMIC RESTRAINTS FOR DUCTWORK, PIPING, CONDUIT, CABLE TRAY AND BUS DUCT MUST BE SHOWN ON LAYOUT DRAWINGS SHOWING SPECIFIC RESTRAINT LOCATIONS ALONG WITH

Г						
		1.0	COMPONEN			
		1.0		1.5		
COMPONENT	IDENTIFICATION	SEISMIC RESTRAINT REQUIREMENT	ASCE 7-10 REFERENCE	SEISMIC RESTRAINT REQUIREMENT	ASCE 7-10 REFERENCE	
ROOF N	IOUNTED	RESTRAIN ALL (SEE NOTE 1)	13.1.4.6	RESTRAIN ALL	13.1.4.6	
FLOOR I	MOUNTED	RESTRAIN ALL (SEE NOTES 1,2)	13.1.4.6	RESTRAIN ALL	13.1.4.6	
WALL M	IOUNTED	RESTRAIN ALL (SEE NOTE 1,2)	13.1.4.6	RESTRAIN ALL	13.1.4.6	
COMPONEN	IT SUPPORTS	RESTRAIN ALL (SEE NOTE 1)	13.6.5	RESTRAIN ALL	13.6.5	
INLINE W/ SUSPENDED DUCT/PIPE EQUIPMENT		RESTRAIN IF >75 LBS PROVIDE FLEX. CONN. (SEE NOTE 3)	13.6.7	RESTRAIN IF >75 LBS PROVIDE FLEX. CONN. (SEE NOTE 3)	13.6.7	
NOT INLINE W/ DUCT/PIPE		RESTRAIN ALL (SEE NOTE 1)	13.1.4.6	RESTRAIN ALL	13.1.4.6	
SUSPENDED DUCTILE PIPING (STEEL, ALUMINUM, COPPER, ETC.)		RESTRAIN IF > 3" (SEE NOTE 4)	IN IF > 3" RESTRAINT IF > 1" NOTE 4) 13.6.8.3.3.c		13.6.8.3.3.b	
SUSPENDED NON DUCTILE PIPING (CAST IRON, PLASTIC, CERAMIC)		RESTRAIN ALL (SEE NOTE 4)	RAIN ALLRESTRAIN ALLNOTE 4)13.6.8.3.3(SEE NOTE 4)		13.6.8.3.3	
SUSPENDED PIPE ON TRAPEZE		RESTRAIN IF ANY PIPE ON TRAPEZE > 3" RESTRAIN IF TOTAL WEIGHT OF PIPES ON TRAPEZE > 10 LBS/FT (SEE NOTE 4)	13.6.8.3.1	RESTRAIN IF ANY PIPE ON TRAPEZE > 1" RESTRAIN IF TOTAL WEIGHT OF PIPES ON TRAPEZE > 10 LBS/FT (SEE NOTE 4)	13.6.8.3.1	
DUCTWORK		DUCTWORKRESTRAIN IF > 6 SQ.FT. AND > 17 LBS/FT (SEE NOTE 4,5)		RESTRAIN IF > 6 SQ.FT. AND > 17 LBS/FT (SEE NOTE 4,5)	13.6.7	
MULTIPLE DUCTS ON TRAPEZE		TIPLE DUCTS ON TRAPEZE TIPLE DUCTS ON TRAPEZE (SEE NOTE 4.5)		RESTRAIN IF TOTAL WEIGHT OF DUCTS ON TRAPEZE > 10 LBS/FT (SEE NOTE 4,5)	13.6.7	
SINGLE CONDUIT		RESTRAIN IF ≥ 2.5" (SEE NOTE 4)	13.6.5.6	RESTRAIN IF ≥ 2.5" (SEE NOTE 4)	13.6.5.6	
CABLE TRA TRAPEZEI	Y/BUS DUCT/ D CONDUIT	RESTRAIN IF TOTAL WEIGHT OF RACEWAY > 10 LBS/FT (SEE NOTE 4)	13.6.5.6	RESTRAIN IF TOTAL WEIGHT OF RACEWAY > 10 LBS/FT (SEE NOTE 4)	13.6.5.6	
PENDANT, LAY-I	N, & CAN LIGHTS	REQUIRED (SEE NOTE 6)	13.5.6.2	REQUIRED (SEE NOTE 6)	13.5.6.2	
COMPONENT CERTIFICATION		IPONENT CERTIFICATION NOT REQUIRED		REQUIRED (SEE NOTE 7)	13.2.2	

TABLE NOTES:

- 1. EQUIPMENT 20 LBS. OR LESS IS EXEMPT IF THE COMPONENT IS POSITIVELY ATTACHED TO THE STRUCTURE, AND FLEXIBLE CONNECTIONS ARE PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.
- 2. RESTRAINTS ARE NOT REQUIRED IF THE COMPONENT WEIGHTS 400 LBS. OR LESS, IS MOUNTED WITH THE CENTER OF MASS AT 4 FT. OR LESS ABOVE A FLOOR, IS POSITIVELY ATTACHED TO THE STRUCTURE, AND HAS FLEXIBLE CONNECTIONS BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.
- 3. FLEXIBLE CONNECTIONS REQUIRED FOR PIPE CONNECTIONS ONLY.
- RESTRAINT IS NOT REQUIRED IF THE PIPING / DUCTWORK / CONDUIT IS SUPPORTED BY HANGERS AND EACH HANGER IN THE PIPING RUN IS 12 IN. OR LESS IN LENGTH FROM THE TOP OF THE PIPE TO THE SUPPORTING STRUCTURE. WHERE PIPES ARE SUPPORTED ON A TRAPEZE, THE TRAPEZE SHALL BE SUPPORTED BY HANGERS HAVING A LENGTH OF 12 IN. OR LESS. WHERE ROD HANGERS ARE USED, THEY SHALL BE EQUIPPED WITH SWIVELS, EYE NUTS OR OTHER DEVICES TO PREVENT BENDING IN THE ROD. ALL DUCTWORK, REGARDLESS OF SIZE, DESIGNED TO CARRY TOXIC, HIGHLY TOXIC, OR EXPLOSIVE GASES OR USED FOR SMOKE CONTROL MUST BE RESTRAINED.

6. THE RESTRAINT OF PENDANT, LAY-IN, & CAN LIGHTS IS ADDRESSED IN ASTM C636 & E580. 7. COMPONENT CERTIFICATION MUST BE SUPPLIED BY THE EQUIPMENT MANUFACTURER AT TIME OF SUBMITTAL FOR REVIEW BY ENGINEER OF RECORD.



TYPICAL BOOTH GAS PIPE INSTALLATION FOR NORTH WALL WELDING AREA SCALE: NONE



TYPICAL FUTURE BOOTH GAS PIPE INSTALLATION FOR SOUTH WALL WELDING AREA SCALE: NONE



SYMBC

Н

ALTERNATE ACCEPTABLE MANUFACTURERS ARE COX REELS AND HUBBELL

PLUMBING LEGEND					
SYMBOL	DESCRIPTION				
	COLD WATER				
	HOT WATER - 110°				
	HOT WATER RECIRCULATION				
	VENT				
SAN					
G	NATURAL GAS (2 PSI)				
	FLOW ARROW				
	WALL HYDRANT/HOSE BIBB				
	SHUT-OFF VALVE				
	HWR CIRCUIT SETTER OR GAS COCK				
	CHECK VALVE				
WCO	WALL CLEANOUT				
FCO	FLOOR CLEANOUT				
C.O.I.G.					
RD	ROOF DRAIN LEADER				
DROP RISE	DROP OR RISE				
	CAPPED CONNECTION				
FD OC	FLOOR DRAIN				
> ◄⊦	VALVE IN RISER				
8 P0.04	DETAIL SYMBOL INDICATING THE DETAIL NUMBER AND THE DETAIL LOCATION SHEET REFERENCE				
—— HWR ——	HOT WATER RECIRCULATION - DOMESTIC				
AFF	ABOVE FINISHED FLOOR				
AFG	ABOVE FINISHED GRADE				
BAS	BUILDING AUTOMATION SYSTEM				
BFF					
EM					
HW	HOT WATER				
HWR	HOT WATER RECIRCULATION				
SF	SQUARE FEET				
WHA	WATER HAMMER ARRESTOR				
Ć	BALL VALVE				
	SOLENOID VALVE				
V	VENT				
AV	ACID VENT				
A					
IVIA					
AR	ARGON				
02	OXYGEN				
PRD	PRIMARY ROOF DRAIN				
ORD	OVERFLOW ROOF DRAIN				
CO2	CARBON DIOXIDE				
CA	COMPRESSED AIR				
∩н	HOSE REEL				
T/P	TEMPERATURE/PRESSURE				
FD	FLOOR DRAIN				
A	ACETYLENE PIPING				
AR	ARGON PIPING				
ΜΔ					
0					
COTG	CLEANOUT TO GRADE				
N GAS					
\bullet	OWNECT TO EXISTING OR CONNECT TO				
MG	MIXED GAS				

GENERAL NOTES:

- 1. ALL OPENINGS FOR PIPING PENETRATIONS ARE GENERALLY PROVIDED BY THE PLUMBING SUB-CONTRACTOR. EXCEPTIONS ARE COVERED BY NOTES AND DETAILS. THE LOCATION AND SIZE OF EACH OPENING SHALL BE FURNISHED TO THE GENERAL CONTRACTOR BY THE PLUMBING SUB-CONTRACTOR.
- 2. PIPE HANGERS AND CONCRETE INSERTS UTILIZED FOR THIS PROJECT SHALL BE PROVIDED BY THE PLUMBING SUB-CONTRACTOR. THIS INCLUDES ALL SUPPLEMENTAL STEEL, ETC.
- 3. COORDINATE VERTICAL PIPING WITH ARCHITECTURAL PLANS FOR EXACT LOCATION OF RISER.
- 4. COORDINATE SHUTDOWNS OF GAS SERVICES WITH OWNER.
- 5. NEW PIPE LABELS SHALL MATCH EXISTING LABELS.

(EXISTING) SHOP AIR COMPRESSOR SYSTEM

SYMBOL	QTY	DESCRIPTION	SCFM	PSIG	HP	VOLTAGE	FULL LOAD AMPS	RECEIVER	MANUFACTURER/MODEL BASIS OF DESIGN	REMARKS
AC-1	1	SHOP AIR COMPRESSOR	100	120	25	460/3/60	73.5	240 GAL	INGERSOLL RAND UP6S-25-125	HORIZONTAL RECEIVER

INSTALL ON VIBRATION ISOLATION PADS ON A 6" HIGH CONCRETE HOUSEKEEPING PAD. PROVIDE 120 PSI AIR TO SYSTEM TO MAINTAIN 90 PSI AT EQUIPMENT.

(EXISTING) SHOP AIR DRYER SYSTEM

SYMBOL	QTY	DESCRIPTION	SCFM	PDP	KW	VOLTAGE	MANUFACTURER/MODEL BASIS OF DESIGN	REMARKS
AD-1	1	SHOP AIR DRYER	100	35 DEGREE	1.1	115/1/60	INGERSOLL RAND D212EC	INCLUDES PREFILTER

RATED AT 100 PSIG INLET PRESSURE, 100 DEG F INLET TEMPERATURE, 100 DEG F AMBIENT TEMPERATURE. UNIT MEASURES 52X36X42.5, TANK MEASURES 94X36X76.5.

INSTALL ON VIBRATION ISOLATION PADS ON A 4" HIGH CONCRETE HOUSEKEEPING PAD RUN DRAIN LINE ALONG PERIMETER OF ROOM TO FLOOR DRAIN.

PRE-FILTER SHALL FILTER TO 1.0 MICRON AND BE RATED FOR COMPRESSOR FLOW. OTHER EQUAL MANUFACTURERS INCLUDE: HANKISON, AND PNEUMATECH.

(EXISTING) HOSE REEL

	BASIS OF DESIGN	
SEE DRAWINGS HOSE REEL - 3/8" INNER DIAMETER HOSE, 35' FT LONG HOSE, RATED FOR RATED FOR 300 PSI. SAME HOSE REEL SHALL BE INSTALLED THROUGHOUT	REELCRAFT RT635-OLP	SECURE TO STRUCTURE

DRAWING LIST - PLUMBING						
Sheet Number	Sheet Name					
P001	PLUMBING NOTES, SYMBOLS, SCHEDULES AND DETAILS					
P101	FIRST FLOOR PLANS - EAST - PLUMBING					
P201	MIXED GASES AND STORM PIPING ISOMETRIC - EAST					









<u>KEY PLAN</u>









1 MIXED GASES AND STORM PIPING ISOMETRIC - EAST P201 NTS



GENERAL MECHANICAL NOTES

- 1. OPENINGS FOR DUCTWORK SHALL BE PROVIDED BY THE MECHANICAL S SHALL BE FURNISHED TO THE GENERAL CONTRACTOR BY THE DIVISION
- 2. THERMOSTATS, WALL SWITCHES, ETC. SHALL BE LOCATED AT THE SAME
- 3. ALL DOOR LOUVERS AND UNDERCUTS SHALL BE PROVIDED BY THE GENI 4. ALL WIRING, CONTROL WIRING, AND CONDUIT SHALL BE CONCEALED IN
- 5. DUCT DIMENSIONS INDICATED ARE NET AIR STREAM INTERIOR DIMENSION
- 6. THE MAXIMUM LENGTH OF FLEXIBLE DUCTWORK SHALL NOT EXCEED 5'-
- 7. ALL OPENINGS THROUGH NON-RATED WALLS SHALL BE PROVIDED WITH
- 8. REFER TO ARCHITECTURAL PLANS FOR FIRE RATING OF PARTICULAR WA STRUCTURE.
- 9. ALL ROOF CURBS SHALL BE PROVIDED BY THE DIVISION 23 SUB-CONTRA CONTRACTOR.
- 10. COORDINATE VERTICAL DUCTWORK. REFER TO ARCHITECTURAL DRAW
- 11. FOR EXACT LOCATION OF GRILLES, DIFFUSERS, ETC., REFER TO ARCHIT
- 12. THE DIVISION 23 SUB-CONTRACTOR SHALL PROVIDE TRANSITIONS AS R UNITS TO DUCTWORK WHERE DUCT SIZES ARE NOT SHOWN OR DO NOT RATIO.
- 13. RUN-OUTS TO SUPPLY, RETURN AND EXHAUST DISTRIBUTION DEVICES RUN-OUT IS NOT GIVEN, THE RUN-OUT SHALL HAVE AN AREA EQUAL TO BE BASED ON NC 20 OR LESS.
- 14. WHERE DUCT PENETRATES FIRE WALL, AND WHERE FIRE DAMPERS ARI DETAILED. PACK THE SPACE BETWEEN THE SLEEVES AND DUCT WITH F
- 15. ROOF OPENINGS AND THEIR ASSOCIATED MISCELLANEOUS STEEL SHAL
- 16. PROVIDE REMOTE MOUNTED YOUNG REGULATORS FOR BALANCING OF
- 17. THE GENERAL CONTRACTOR SHALL PROVIDE HORIZONTAL CHANNELS DIFFUSERS. THE GENERAL CONTRACTOR SHALL POSITION HIS DIAGON. SUB-CONTRACTOR SHALL COORDINATE THESE ITEMS WITH THE GENER
- 18. ALL LOW PRESSURE DUCTWORK ABOVE NON-LAY-IN CEILINGS SHALL BE USED.
- 19. FILL CURBS OF ROOF TOP UNITS WITH (5) FIVE LAYERS OF 3/4" SHEETRO
- 20. ALL EQUIPMENT ROOF CURBS SHALL BE PROVIDED BY THE MECHANICAL TOP OF ROOFING. THOSE CURBS SHALL BE SEISMICALLY DESIGNED. CU OPENINGS. THESE CURBS SHALL ALSO BE VIBRATION ISOLATION TYPE CONDITIONING UNIT SCHEDULE ON SHEET M0.02.

- SUPPLEMENTAL STEEL, ETC.
- 25. ALL DUCTWORK SHALL BE SEALED CLASS 'A' PER SMACNA STANDARDS.
- 26. ALL DUCTWORK PROVIDED WITH LAGGING SHALL BE SUPPORTED FROM SPRING HANGERS.
- 29. YOUNG REGULATORS USED FOR REMOTE BALANCING SHALL BE PROVIDED WITH A PREFINISHED FLAT WHITE COVER PLATE.
- 30. ALL EXPOSED NON-FABRIC DUCT TO BE SINGLE WALL WITH PAINT GRIP: PAINT TWO COATS ENAMEL, COLOR BY ARCHITECT.

ENERAL MECHANICAL NOTES	
OPENINGS FOR DUCTWORK SHALL BE PROVIDED BY THE MECHANICAL SUB-CONTRACTOR. THE LOCATION AND SIZE OF EACH OPENING SHALL BE FURNISHED TO THE GENERAL CONTRACTOR BY THE DIVISION 23 SUB-CONTRACTOR.	MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
THERMOSTATS, WALL SWITCHES, ETC. SHALL BE LOCATED AT THE SAME HEIGHT AS LIGHT SWITCHES (WITH 48" TO TOP MAXIMUM) IN ACCORDANCE. WITH ANSI A117.1-2017. COORDINATE PLACEMENT WITH THE ELECTRICAL SUB-CONTRACTOR.	Prescriptive X Energy Cost Budget Thermal Zone <u>ZONE 3A</u>
ALL DOOR LOUVERS AND UNDERCUTS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. ARCHITECT TO SELECT.	Exterior design conditions
ALL WIRING, CONTROL WIRING, AND CONDUIT SHALL BE CONCEALED IN FINISHED SPACES.	summer dry bulb 91.3 °Fdb / 78°Fwb
DUCT DIMENSIONS INDICATED ARE NET AIR STREAM INTERIOR DIMENSIONS OF DUCTWORK.	Interior design conditions
THE MAXIMUM LENGTH OF FLEXIBLE DUCTWORK SHALL NOT EXCEED 5'-0".	summer dry bulb 75 °F relative humidity 50 % R.H.
ALL OPENINGS THROUGH NON-RATED WALLS SHALL BE PROVIDED WITH SHEETMETAL SLEEVES.	Building heating load 602.7 MBH (ADD 600 MBH FOR WELDING MAKE UP AIR)
REFER TO ARCHITECTURAL PLANS FOR FIRE RATING OF PARTICULAR WALLS, FLOORS AND FOR NON-RATED WALLS WHICH EXTEND TO STRUCTURE.	Building cooling load 91.5 TONS (EXCLUDING WELDING 100%OA MODE LOAD) Mechanical Spacing Conditioning System
ALL ROOF CURBS SHALL BE PROVIDED BY THE DIVISION 23 SUB-CONTRACTOR AND SHALL BE APPROVED BY THE GENERAL CONTRACTOR.	Unitary PACKAGED ROOF TOP UNITS description of unit DX COOLING ONLY
COORDINATE VERTICAL DUCTWORK. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF RISERS.	Ineating enciency SEE DRAWING M-002-3 cooling efficiency SEE DRAWING M-002-3
FOR EXACT LOCATION OF GRILLES, DIFFUSERS, ETC., REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.	cooling output of unit SEE DRAWINGS M-002/003
THE DIVISION 23 SUB-CONTRACTOR SHALL PROVIDE TRANSITIONS AS REQUIRED TO MAKE DUCT CONNECTIONS FROM TERMINAL UNITS TO DUCTWORK WHERE DUCT SIZES ARE NOT SHOWN OR DO NOT MATCH INLET OPENINGS. TRANSITIONS SHALL HAVE A 7:1 RATIO.	total boiler output, if oversized, state reason.
RUN-OUTS TO SUPPLY, RETURN AND EXHAUST DISTRIBUTION DEVICES SHALL BE AS INDICATED ON THE PLANS. WHERE SIZE OF RUN-OUT IS NOT GIVEN, THE RUN-OUT SHALL HAVE AN AREA EQUAL TO THE DISTRIBUTION DEVICE NECK SIZE. NECK SIZE SHALL BE BASED ON NC 20 OR LESS.	total chiller capacity, if oversized, state reason.
WHERE DUCT PENETRATES FIRE WALL, AND WHERE FIRE DAMPERS ARE NOT REQUIRED, PROVIDE SHEET METAL SLEEVES AS DETAILED. PACK THE SPACE BETWEEN THE SLEEVES AND DUCT WITH FIRE PROOF SAFING.	Equipment schedule with motors (mechanical systems) motor horsepower MOTOR CONTROL SCHEDULE THIS SHEET
ROOF OPENINGS AND THEIR ASSOCIATED MISCELLANEOUS STEEL SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.	number of phases MOTOR CONTROL SCHEDULE THIS SHEET minimum efficiency MOTOR CONTROL SCHEDULE THIS SHEET
PROVIDE REMOTE MOUNTED YOUNG REGULATORS FOR BALANCING OF ALL VOLUME DAMPERS ABOVE ROOMS WITH DRY WALL CEILINGS.	motor type MOTOR CONTROL SCHEDULE THIS SHEET # of poles MOTOR CONTROL SCHEDULE THIS SHEET
THE GENERAL CONTRACTOR SHALL PROVIDE HORIZONTAL CHANNELS AS REQUIRED TO FRAME CEILING OPENINGS FOR STRIP DIFFUSERS. THE GENERAL CONTRACTOR SHALL POSITION HIS DIAGONAL BRACES TO AVOID DUCT AND PIPING. THE DIVISION 15B SUB-CONTRACTOR SHALL COORDINATE THESE ITEMS WITH THE GENERAL CONTRACTOR.	DESIGNER STATEMENT: To the best of my knowledge and belief, the design of this building complies with the mechanical systems, service systems and equipment requirements of the International Building Code, 2012
ALL LOW PRESSURE DUCTWORK ABOVE NON-LAY-IN CEILINGS SHALL BE RIGID SHEET METAL. NO FLEXIBLE DUCTWORK SHALL BE USED.	
FILL CURBS OF ROOF TOP UNITS WITH (5) FIVE LAYERS OF 3/4" SHEETROCK, OVERLAPPING SEAMS.	Name: JAMES CURRIE, P.E.
ALL EQUIPMENT ROOF CURBS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR AND SHALL BE AT LEAST 14" HIGH ABOVE TOP OF ROOFING. THOSE CURBS SHALL BE SEISMICALLY DESIGNED. CURB OPENINGS TO MATCH SIZE AND LOCATION OF ROOF OPENINGS. THESE CURBS SHALL ALSO BE VIBRATION ISOLATION TYPE IN ACCORDANCE WITH NOTE 2 UNDER ROOFTOP AIR CONDITIONING UNIT SCHEDULE ON SHEET M0.02.	Title: PRINCIPAL
PROVIDE INTERNAL LINER ELASTOMERIC ACQUISTICAL TYPE ON FIRST NOMINAL 20' OF SUPPLY AND RETURN DUCTWORK LEAVING AND ENTERING FACH	

21. PROVIDE INTERNAL LINER ELASTOMERIC ACOUSTICAL TYPE ON FIRST NOMINAL 20' OF SUPPLY AND RETURN DUCTWORK LEAVING AND ENTERING EACH ROOFTOP UNIT. AREAS LISTED ARE NET FREE AREAS, INCREASE DIMENSIONS AS REQUIRED TO MAINTAIN FREE AREA. EXTERNALLY INSULATE LINED SA/MPSA AS WELL. 22. ALL ROOF MOUNTED EQUIPMENT AND CURBS SHALL COMPLY WITH SEISMIC AND WIND SHEAR BRACING REQUIREMENTS. REFER TO IBC AND ASCE 7 FOR REQUIRMENTS. 23. PIPE HANGERS UTILIZED FOR THIS PROJECT SHALL BE PROVIDED BY THE DIVISION 23 SUB-CONTRACTOR. THIS INCLUDES ALL

24. MATERIALS EXPOSED WITHIN PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX PER IBC 602.3.1.

27. AT CONTRACTOR'S OPTION, AC DRAIN PIPING ON ROOF MAY BE SCHEDULE 40 PVC OR COPPER AS SPECIFIED. 28. SUPPLY AND RETURN REGISTERS IN THE WALLS SHALL BE FIELD PAINTED. COLOR SHALL BE SELECTED BY THE ARTCHITECT. 31. MECHANICAL SUB CONTRACTOR SHALL REFER TO DIVISION 1 COMMISSIONING SPECIFICATIONS FOR ALL REQUIREMENTS AND INVOLVEMENT.



MECHANICAL SYMBOLS LEGEND

CD	SUPPLY AIR DUCT OR DIFFUSER	T	THERMOSTAT		
RG/EG	RETURN OR EXHAUST AIR DUCT OR GRILLE	S	WALL SWITCH		
	— DEVICE DESIGNATION	co	CARBON MONOXIDE SENSOR		
<u>CD-X</u> XXX	— CFM	CO2	CARBON DIOXIDE SENSOR		
3"x10"	RECTANGULAR DUCTWORK WIDTH x HEIGHT	O (DL)	WALL MOUNT - PUSHBUTTON OVERRIDE SWITCH TO BAS		
'x10"(L)	RECTANGULAR DUCTWORK WIDTH x HEIGHT LINED DUCT; (L) DUCT LINER	SD			
10"□	ROUND DUCT SIZE				
<u> </u>	VANE ELBOW (DOUBLE WALL VANES)	► FD ◆ FD	FIRE DAMPER W/ACCESS DOOR (WALL) FIRE DAMPER W/ACCESS DOOR (FLOOR)		
	RECTANGULAR DUCTWORK TRANSITION	▲ FD/SD ◆ FD/SD	COMBINATION FIRE/SMOKE DAMPER W/ACCESS DOOR (WAL COMBINATION FIRE/SMOKE DAMPER W/ACCESS DOOR (FLOC		
	DUCT/ AIR BLOWING UP TOWARD READER	▲SD ♦SD	SMOKE DAMPER W/ACCESS DOOR (WALL) SMOKE DAMPER W/ACCESS DOOR (FLOOR)		
	DUCT/ AIR BLOWING AWAY FROM READER		ACCESS DOOR		
	DUCT/ AIR FLOW DOWN	OA SA	OUTDOOR AIR SUPPLY AIR		
	FLEXIBLE DUCT, MAX. 6'-0" LONG.	EA	EXHAUST AIR		
	EXHAUST OR RETURN REGISTER OR GRILLE	RA MPSA	RETURN AIR MEDIUM PRESSURE SUPPLY AIR		
ζŢζ	CONICAL TAP WITHOUT VOLUME DAMPER	RTU	PACKAGED ROOFTOP UNIT		
	(MPSA DUCT)	AFF	ABOVE FINISHED FLOOR		
	SPIN-IN FITTING WITH VOLUME DAMPER (LOW PRESSURE DUCT ONLY)	M.C.	HVAC SUB-CONTRACTOR		
		G.C.	GENERAL SUB-CONTRACTOR		
	BRANCH TAKE-OFF WITH VOLUME DAMPER	P.C.	PLUMBING SUB-CONTRACTOR		
		E.C.	ELECTRICAL SUB-CONTRACTOR		
ТАТ		F.D.	FIRE DAMPER OR FLOOR DRAIN		
	MANUAL ISOLATION DAMPER (NORMALLY CLOSED)	B.O.W.	BAKED ON WHITE		
		NTS	NOT TO SCALE		
	MOTORIZED AUTOMATIC DAMPER	O/U	OCCUPIED/UNOCCUPIED SWITCH		
		705	ZONE OVERRIDE SWITCH		

MECHANICAL DRAWING LIST						
Sheet Number	Sheet Name					
M001	LEGEND, SYMBOLS, NOTES AND DRAWING LIST - MECHANICAL					
M101	FIRST FLOOR PLAN -EAST - HVAC DUCTWORK					

1/2" = 1'-0" 1' 0 1' 2'

adwa environments for life architecture planning interiors 2815 COLISEUM CENTRE DRIVE SUITE 500 CHARLOTTE, NORTH CAROLINA 28217 P704.379.1919 F704.379.1920 www.adwarchitects.com A LEGENCE Company 8801 J.M. Keynes Drive, Suite 240 | Charlotte, NC 28262 | 704.376.7072 | cmta.com CMTA License No. C02209 HORRY GEORGETOWN TECHNICAL COLLEGE GCAM -WELDING LAB **EXPANSION** BIDDING DOCUMENTS **OSE PROJECT#:** H59-N219-CB LEGEND, SYMBOLS, NOTES AND DRAWING LIST - MECHANICAL 05/16/2023 DATE: 23007 PROJECT NO: REVISIONS NO: DATE: DESCRIPTION: THIS DRAWING IS THE PROPERTY OF ADW ARCHITECTS. PA. AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR PART. IT SHALL NOT BE USED ON ANY OTHER PROJECT OR GIVEN TO ANY OTHER COMPANIY OR AGENCY WITHOUT THE CONSENT IF ADW ARCHITECTS, PA. NO/287 223.006 05/16/2023 SHEET NUMBER





1 FIRST FLOOR PLAN - HVAC PLAN - EAST M101 1/4" = 1'-0"









adwa environments for life architecture interiors planning 2815 COLISEUM CENTRE DRIVE SUITE 500 CHARLOTTE, NORTH CAROLINA 28217 P704.379.1919 F704.379.1920 www.adwarchitects.com A LEGENCE Company 8801 J.M. Keynes Drive, Suite 240 | Charlotte, NC 28262 | 704.376.7072 | cmta.com CMTA License No. C02209 HORRY GEORGETOWN TECHNICAL COLLEGE GCAM -WELDING LAB **EXPANSION** BIDDING DOCUMENTS **OSE PROJECT#:** H59-N219-CB FIRST FLOOR PLAN -EAST - HVAC DUCTWORK 05/16/2023 DATE: 23007 PROJECT NO: REVISIONS NO: DATE: DESCRIPTION: THIS DRAWING IS THE PROPERTY OF ADW ARCHITECTS. PA. AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR PART. IT SHALL NOT BE USED ON ANY OTHER PROJECT OR GIVEN TO ANY OTHER COMPANIY OR AGENCY WITHOUT THE CONSENT IF ADW ARCHITECTS, PA. 223.006 05/16/2023 SHEET NUMBER



LIGHTING FIXTURE SCHEDULE												
TYPE	DESCRIPTION	BASIS OF DESIGN	MOUNTING	LAMPS	MINIMUM LUMENS	MAXIMUM WATTAGE	VOLTAGE					
N2	8' LED STRIP. SUSPENDED FROM OVERHEAD STRUCTURE WITH CHAINS TO 12'-0" AFF TO BOTTOM OF FIXTURE.	WILLIAMS 76-8-L154/840-VBY-2-DRV-UNV	SUSPENDED	LED	15400	108	277					

NOTE: ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN.

GENERAL NOTES (LIGHTING):

- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.

KEYNOTES

NO

4' 0 4' 8'

L1 NEW LIGHTING FIXTURE SHALL BE WIRED TO EXISTING BRANCH CIRCUIT 1HL-8 SERVING LIGHTING IN THE AREA WITH 2#10, #10G, 3/4"C.

DESCRIPTION

adwa environments for life architecture interiors planning 2815 COLISEUM CENTRE DRIVE SUITE 500 CHARLOTTE, NORTH CAROLINA 28217 P704.379.1919 F704.379.1920 www.adwarchitects.com A LEGERCE Company 8801 J.M. Keynes Drive, Suite 240 | Charlotte, NC 28262 | 704.376.7072 | cmta.com CMTA License No. C02209 HORRY GEORGETOWN TECHNICAL COLLEGE GCAM -WELDING LAB EXPANSION BIDDING DOCUMENTS **OSE PROJECT#:** H59-N219-CB LEGEND, NOTES, SCHEDULES, PARTIAL POWER RISER, & LIGHTING PLAN 05/16/2023 DATE: 23007 PROJECT NO: REVISIONS NO: DATE: DESCRIPTION: THIS DRAWING IS THE PROPERTY OF ADW ARCHITECTS. PA. AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR PART. IT SHALL NOT BE USED ON ANY OTHER PROJECT OR GIVEN TO ANY OTHER COMPANIY OR AGENCY WITHOUT THE CONSENT IF ADW ARCHITECTS, PA. 223.006 05/16/2023 SHEET NUMBER