



CERTIFICATE OF APPROPRIATENESS
Minor Works

CERTIFICATE NUMBER: 16-14

DATE ISSUED: 2/29/16

ISSUED TO: Jason, Mulholland, Spectrum Building Company

NAME OF LANDMARK: Carolina Transfer and Storage

ADDRESS OF LANDMARK: 1230 West Morehead Street, Unit 114
Charlotte, NC

TAX PARCEL NUMBER: 07324430

ADDRESS OF APPLICANT: 517-201 Alcove, Suite 201
Mooreseville, NC 28117

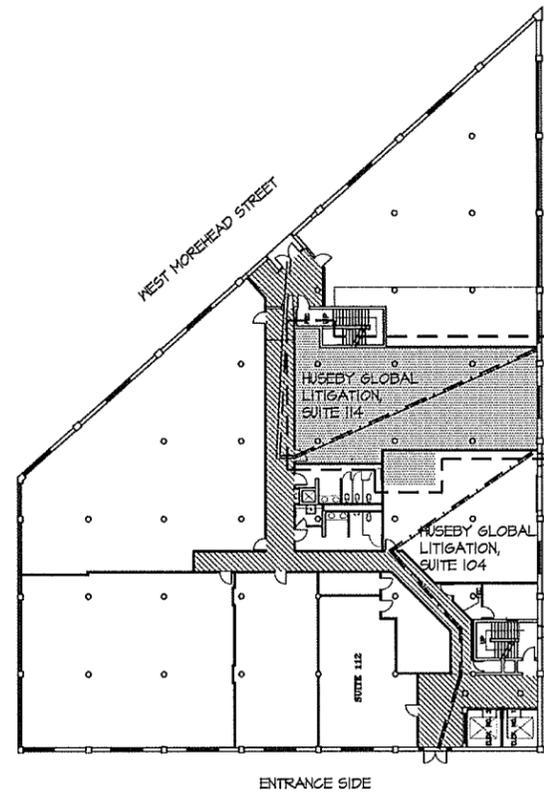
APPLICANT'S TELEPHONE NUMBER: 704-660-1044 or 980-275-1166

The Historic Landmarks Commission has reviewed the proposed activity and has found the following aspects to be in compliance with the Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings and, therefore, has found them to be appropriate:

Renovations to the interior, as shown on attached plans.

This Certificate of Appropriateness is valid for a period of six (6) months from the date of issuance. Failure to procure a building or demolition permit with a six-month period will be considered as a failure to comply with this Certificate, and the Certificate will become invalid. If a building or demolition permit is not required, the approved activity must be completed within a six-month period from the date of issuance. This Certificate can be renewed by the Historic Landmarks Commission upon written request for the applicant with a valid reason for failure to comply with the six-month deadline. This Certificate in no way removes the responsibility of the owner of a structure in a local historic district to obtain a Certificate of Appropriateness from the Charlotte Historic District Commission.

By: , Preservation Planner, Charlotte-Mecklenburg Landmarks Commission.



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Issue Date: NOT FOR CONSTRUCTION

Sheet List

- Cover Cover Sheet, General Notes
- CS2 Appendix B
- A1.1 Demolition Plan,
- A1.2 Architectural Floor Plan, Door and Finish Schedules
- E-1 Electrical and Data Plan
- M-1 Mechanical Plan

General Notes

- 1.00 GENERAL CONDITIONS
- 1.01 NOT USED
- 1.02 GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROJECT WORK CONFORMANCE WITH LOCAL, STATE, AND FEDERAL BUILDING/CONSTRUCTION CODES AND AMENDMENTS.
- 1.03 PROJECT WORK SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL ACCESSIBILITY GUIDELINES.
- 1.04 PROJECT CONDITIONS AND ACTIVITIES SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL SAFETY GUIDELINES AND CODES.
- 1.05 NOT USED
- 1.06 CONSTRUCTION DOCUMENTS HAVE BEEN DEVELOPED TO ACHIEVE GENERAL COMPLIANCE WITH CURRENTLY APPLIED ACCESSIBILITY GUIDELINES. SCHRADER DESIGN ASSUMES NO LIABILITY REGARDING DECISIONS OR AGREEMENTS, NOR IMPLIES ANY WARRANTY OR GUARANTEE REGARDING CHANGES IN, OR DIFFERING INTERPRETATIONS OF EXISTING ACCESSIBILITY GUIDELINES AS THEY APPLY TO THESE DOCUMENTS.
- 1.07 SCHRADER DESIGN IS NOT RESPONSIBLE FOR ENGINEERING THESE DOCUMENTS. ALL CHANGES TO EXISTING MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE DESIGN-BUILD BY LICENSED CONTRACTOR AND SHALL COMPLY WITH ALL APPLICABLE CODES.
- 1.08 DRAWINGS ARE INTENDED TO SHOW DESIGN INTENT ONLY. WHERE NEEDED FOR CLARIFICATION, CERTAIN COMPONENTS MAY BE OMITTED FROM THE DRAWING FOR GRAPHIC CLARIFICATION. ALL ASSEMBLIES SHALL BE CONSTRUCTED PER CONVENTIONAL AND COMMON TRADE ACCEPTED PRACTICE UNLESS NOTED OTHERWISE. IN AREAS WHERE ATYPICAL ASSEMBLIES MAY BE DRAWN BUT NOTES DO NOT ADDRESS ATYPICAL ASSEMBLY, CONTRACTOR SHALL SUBMIT FOR CLARIFICATION FROM ARCHITECT IF CONVENTIONAL CONSTRUCTION PRACTICES CAN NOT BE UTILIZED.
- 2.00 PLAN DIMENSIONS
- 2.01 DIMENSIONS ARE FROM FACE OF NEW STUD, FACE OF EXISTING DRYWALL OR FACE OF CONCRETE UNLESS NOTED OTHERWISE.
- 2.02 ALIGNMENT INDICATION SHALL BE FINISH SURFACE TO FINISH SURFACE.
- 2.03 PARTITION ANGLES ARE PARALLEL, PERPENDICULAR OR 45 DEGREE ANGLES TO BUILDING PERIMETER UNLESS NOTED OTHERWISE.
- 2.04 CENTERLINE DIMENSIONS SHALL BE MEASURED FROM CENTERLINE OF ASSEMBLY, FIXTURE OR DEVICE.
- 2.05 CENTERLINE INDICATION AT PARTITIONS ADJOINING BUILDING ELEMENTS (MILLWORK, COLLARS, OR PILASTERS) SHALL ALIGN CENTER OF PARTITION ASSEMBLY WITH CENTER OF ELEMENT UNLESS NOTED OTHERWISE.
- 2.06 DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, OBTAIN CLARIFICATION FROM ARCHITECT.
- 3.00 (NOT USED)
- 4.00 PARTITIONS
- 4.01 ALIGNMENT OF PARTITIONS WITH NEW OR EXISTING CONSTRUCTION SHALL PROVIDE A SMOOTH, UNINTERRUPTED FINISHED SURFACE.
- 4.02 PROVIDE REQUIRED ACCESS PANELS IN PARTITIONS FOR MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS. PAINT WALL COLOR, LOCATION AND TYPE OF ACCESS PANEL SHALL BE VERIFIED WITH ARCHITECT PRIOR TO CONSTRUCTION.
- 4.03 PENETRATION OF PARTITIONS FOR MECHANICAL SYSTEMS SHALL BE HERMETICALLY SEALED. PENETRATIONS WITH RATED PARTITION ASSEMBLIES SHALL PROVIDE FOR REQUIRED DAMPENING DEVICES, SLEEVES, AND FIREPROOFING TO MAINTAIN APPROVED RATINGS.
- 4.04 BLOCKING SHALL BE WOOD WITHIN PARTITION CAVITY AT WALL MOUNTED MILLWORK, CABINETS, EQUIPMENT, ETC. AND OTHER WALL MOUNTED ITEMS. LOCATION OF BLOCKING SHALL BE MARKED AT BASE OF PARTITION OR FLOOR FOR ARCHITECT'S REVIEW AND MILLWORK INSTALLER.

- 4.05 ALL CABINERY SHALL MEET ALL APPLICABLE ACCESSIBILITY CODES.
- 4.06 ALL FINISH AND COLOR SELECTIONS TO BE APPROVED BY OWNER & ARCHITECT.
- 4.07 ALL INTERIOR WALLS ARE ASSIGNED TO BE 4" METAL STUDS UNLESS NOTED OTHERWISE.
- 5.00 CEILING
- 5.01 MINIMUM CEILING HEIGHT ALONG ACCESSIBLE ROUTE SHALL BE 8'0" PER ADA (UNLESS NOTED OTHERWISE).
- 5.02 ALL SUSPENDED ITEMS MUST MEET IESB FOR SEISMIC ANCHORAGE, TYPICAL.
- 5.03 PENETRATIONS AND OPENINGS IN CEILING FOR FIXTURES OR MECHANICAL SYSTEM PATHS AND REGISTERS SHALL BE PRECISELY CUT FOR INSTALLED ITEMS WITH EDGES TO BE CONCEALED BY MOUNTING TRIM OR COVER. INSTALLATION OF TRIM AND COVERS SHALL BE FLUSH TO SURFACE.
- 5.04 DEBRIS OR MATERIAL SHALL BE REMOVED FROM ABOVE FINISHED CEILING PRIOR TO FINAL CLEANING. GENERAL CONTRACTOR IS RESPONSIBLE FOR DAMAGES CAUSED BY DEBRIS OR UNREMOVED MATERIAL ABOVE FINISHED CEILING.
- 5.05 FIXTURES AND REGISTERS SHALL ALIGN SQUARE AND LEVEL WITH FINISHED CEILING.
- 6.00 TELEPHONE/ELECTRICAL
- 6.01 ADJACENT WALL MOUNTED OUTLETS SHALL BE LOCATED 6" O.C. UNDO.
- 6.02 WALL MOUNTED OUTLETS ON COLLARS SHALL BE INSTALLED ON COLLAR OR PILASTER CENTERLINE.
- 6.03 FIXTURES SHALL BE INSTALLED PROVIDING EDGES OF CEILING CUTS TO BE CONCEALED BY MOUNTING TRIM OR COVER. INSTALLATION OF TRIM RINGS AND COVERS SHALL BE FLUSH WITH CEILING SURFACE.
- 6.04 LIGHT FIXTURES SHALL BE CENTERED IN CEILING TILE UNDO.
- 6.05 GROUPED SWITCHES SHALL BE MOUNTED WITHIN A SINGLE FACE PLATE UNDO.
- 6.06 SWITCHES SHALL BE MOUNTED AN OFFSET OF 6" TO CENTERLINE OF SWITCH FROM LATCH JAMB OF DOOR UNDO.
- 6.07 ALL CONTROLS & SWITCHES SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES OR AS NOTED ON DRAWINGS.
- 1.00 HVAC & FIRE PROTECTION
- 1.01 FLEXIBLE MOUNTED EQUIPMENT AND DUCTWORK SHALL BE MOUNTED TO PROVIDE CLEARANCE FOR CEILING MOUNTED LIGHT FIXTURES AND EQUIPMENT.
- 1.02 FIRE PROTECTION CONTRACTOR TO PROVIDE MATERIALS AND INSTALLATION FOR FIRE SUPPRESSION SYSTEM TO COMPLY WITH MUNICIPAL CODES AND GUIDELINES.
- 1.03 FIRE SUPPRESSION SUPPLY LINES SHALL BE MOUNTED TO PROVIDE CLEARANCE FOR CEILING MOUNTED LIGHT FIXTURES AND EQUIPMENT.
- 1.04 SPRINKLER HEADS SHALL BE CENTERED IN CEILING TILE.
- 1.05 ALL CONTROLS & SWITCHES SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES OR AS NOTED ON DRAWINGS.

Legend

Symbols		Materials	
	DETAIL TAG		BATT INSULATION
	DETAIL TAG		EARTH
	ELEVATION TAG		BRICK
	ELEVATION TAG		FINISHED WOOD
	SECTION TAG		CONCRETE
	SECTION TAG		GRAVEL
	DETAIL TAG		GYPSEUM BOARD OR SHEATHING
	DETAIL TAG		PRECAST CONC.
	DOOR TAG		DRY CONG. (IN PLAN)
	DOOR TAG		PLYWOOD
	DOOR TAG		ROUGH WOOD (CONTINUOUS)
	DOOR TAG		ROUGH WOOD (NON-CONTINUOUS)
	DOOR TAG		RIGID INSULATION
	CENTERLINE		STEEL

**APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)**

Name of Project: HUSEBY GLOBAL LITIGATION SUPPORT
 Address: 250 WEST MOREHEAD STREET, CHARLOTTE, NC Zip Code: 28206
 Proposed Use: OFFICE SPACE
 Owner/Authorized Agent: SCOTT HUSEBY Phone # (704) 846-2484 E-Mail: scott@huseby.com
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City: CHARLOTTE County State

PROJECT SUMMARY

Building description: OFFICE BUILDING
 Scope of work details (If phased construction, please see plan submittal guidelines):
LEFT OF EXISTING TENANT SPACE

Code Compliance Summary:
 Alternative Means of Compliance Request:

- Industrial equipment with declaration document attached. (See www.Nicholsmit.com (Electrical Services))
- RTAP (Reviews to approve of plans) (See www.Michpmmit.com (Commercial Plan Review Services))
- Date of Preliminary Review:

LEAD DESIGN PROFESSIONAL:

PERSON	TITLE	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	ARCHITECT	SCOTT HUSEBY	002	(704) 877-2220	scott@huseby.com
CEI	NA	NA	NA		
Electrical	NA	NA	NA		
Fire Alarm	NA	NA	NA		
Plumbing	NA	NA	NA		
Mechanical	NA	NA	NA		
Sprinkler-Subcontractor	NA	NA	NA		
Structural	NA	NA	NA		
Retaining Walls >5' High	NA	NA	NA		
Other					

Building Code: 2012 North Carolina State Building Code (NCSBC)
 2009 NC Rehab Code 2012 Chapter 34 (attach summary)
 1995 Existing Building Code Vol. 9

New Building: New building Shell building
 First time interior completion (split)
 Addition

Existing Building: Change of occupancy
 Building/tenant space interior completion (restoration)

Please see 3411 NCSBC for compliance for Accessibility for Existing Buildings. A letter from the designer will be required to be attached or reproduced on the plans to verify how compliance will be achieved. BUILDING IS FULLY COMPLIANT WITH CHAPTER 11 OF THE NC STATE BUILDING CODE AND ANSI 111 ACCESSIBILITY GUIDELINES
 Year of construction: 2012 Original use

2009 NC REHAB CODE INFORMATION: Scope of work / work area must be listed and delineated on the plans. Check all that apply: Repair Renovation Alteration Reconstruction Change of use Addition
 Last known legal occupancy use: Historic Property Yes No
 Original Building Construction Date: _____ Date of Preliminary Meeting: _____
 Justification for using the REHAB code: _____

Reviewers Notes for Field Inspector:

BUILDING DATA

Construction Type: I-A I-B II-A II-B III-A III-B IV V-A V-B

Mixed construction: No Yes Types: _____

Sprinklers: No Partial Yes NFPA 13-07 NFPA 13R-07 NFPA 13D-07

Standpipes: No Yes NFPA 14-07 Class: I II III Wet Dry

Fire District: No Yes Flood Hazard Area: No Yes

Building Height Foot EXISTING: _____ Number of Stories: 4 High Rise: No Yes

Mezzanine: No Yes

Gross Building Area:

FLOOR	EXISTING (SQ FT)	RENOVATED (SQ FT)	SUB-TOTAL
0 th Floor	N/A	N/A	N/A
1 st Floor	N/A	N/A	N/A
2 nd Floor	17,600	N/A	N/A
3 rd Floor	17,600	N/A	N/A
4 th Floor	17,600	N/A	N/A
Mezzanine	N/A	17,600	N/A
Basement	N/A	N/A	N/A
TOTAL	52,800	17,600	70,400

OCCUPANCY

Primary Occupancy: Assembly 308 A-1 A-2 A-3 A-4 A-5
 Business 504 Educational 505 Factory 306 F-1 Moderate F-2 Low
 Hazardous 307 H-1 Detention H-2 Detention H-3 Combustible H-4 Health H-5 HPD
 Institutional 308 I-1 I-2 I-3 I-4 Day-Care
 I-5 Condo: 1 2 3 4 5
 Mercantile 309 Residential 310 R-1 R-2 R-3 R-4
 Storage 311 S-1 Moderate S-2 Low High-piled
 Utility and Miscellaneous 312 Parking Garage Open Enclosed Repair Garage

Secondary Occupancy:
 Special Use: 402 403 404 405 406 407 408 409 410 411 412
 413 414 415 416 417 418 419 420 421 422 423 424 425
 426 427

Special Provisions: 509.2 509.3 509.4 509.5 509.6 509.7 509.8 509.9

Mixed Occupancy: No Yes Separation: _____ Hr. Exception: _____
 Incidental Use Separator (508.2.5) Accessory Occupancy (508.2)

This separation is not exempt as a Non-Separated Use (see exceptions)
 The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction to determine shall apply to the entire building.
 Separated Use (508.4) - See below for area calculations
 For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1. (508.4.2)

Actual Area of Occupancy A: _____ Actual Area of Occupancy B: _____
 Allowable Area of Occupancy A: _____ Allowable Area of Occupancy B: _____

SEISMIC DESIGN CATEGORY A B C D

Provide the following Seismic Design Parameters:
 Occupancy Category (1604.5) _____
 Spectral Response Acceleration S_s _____ S_1 _____ S_2 _____
 Site Classification: Field Test Presumptive Historical Data

Basic structural system (check one):
 Bearing Wall Dual w/Special Frame
 Building Frame Dual w/Special Frame or Special Steel
 Moment Frame Other

Seismic base shear V_s = _____
 Analysis Procedure: Equivalent Lateral Force Modal
 Architectural, Mech. _____
 Components anchored? Yes No

LATERAL DESIGN CONTROL: Earthquake _____ Wind _____

SOIL BEARING CAPACITIES:
 Field Test (provide copy of test report) _____ psf
 Presumptive Bearing capacity _____ psf
 File size, type, and capacity _____

ACCESSIBLE PARKING (TABLE 1106.1)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF SPACES FLOORED	TOTAL # ACCESSIBLE
	REQUIRED	PROVIDED		
TOTAL	EXISTING UNCHANGED			

SPECIAL APPROVALS
 Special approval (Local Jurisdiction, Department of Insurance, OSC, DPI, DIBIS, ICC, etc., describe below):

ENERGY SUMMARY
 THIS SECTION FOR NEW CONSTRUCTION, ADDITIONS, CHANGE OF USE AND INTERIOR COMPLETION 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 this project information for the plan data sheet. If energy cost budget method, state the annual energy cost budget vs. allowable annual energy cost budget.

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)
 THIS SECTION IS REQUIRED TO BE COMPLETED ON ALL PROJECTS.

OCCUPANCY USE GROUP / SECTION NAME / DESCRIPTION	WATER SCHEDULES		SINKS		WASHBASINS		SHOWERS		TOILETS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Total Required										
Total Provided										

SCHEDULE OF SPECIAL INSPECTION SERVICES
 In special inspections required for this project Special inspections required

The following sheets comprise the required schedule of Special Inspections for this project. The construction divisions which require special inspections for this project are as follows:

- IT-1 Verification of Soils
- IT-2 Excavation and Fill
- IT-3 Piling and Drilling Piers
- IT-4 Modular Retaining Walls
- IT-5 Reinforced Concrete
- IT-6 Form Tension Slab
- IT-7 Pre-cast Concrete Erection
- IT-8 Pre-stressed Concrete
- IT-9 Inspection of Pre-cast Fabricators
- IT-10 Inspection of Structural Steel Fabricators
- IT-11 Structural Masonry
- IT-12 Welding
- IT-13 High Strength Bolts & Steel Framing Insp.
- IT-14 Spray on Fire-Resistant Materials
- IT-15 Exterior Insulation and Finish system
- IT-16 Seismic Resistance
- IT-17 Smoke Control
- IT-18 Elevation Basin
- IT-19 Special Cases

DESIGN LOADS:

Importance Factors: Wind (I_s) _____
 Snow (I_s) _____
 Seismic (I_s) _____

Live Loads: Roof _____ psf
 Table 1607.1 _____ psf

Ground Snow Load: _____ psf

Section 1608
 Wind Load: Basic Wind Speed _____ mph (ASCE 7-05)
 Exposure Category _____
 Section 1609
 Wind Base Shear (for MWFRS) V_x = _____ V_y = _____

Rain Load: Section 1611 _____ inches/Hour

ALLOWABLE AREA

STORY NO.	DESCRIPTION AND USE	(A) ALLOWABLE AREA (TABLE 505.2)	(B) TABLE 505.2 AREA	(C) AREA FOR REDUCED OCCUPANCY	(D) AREA FOR REDUCED OCCUPANCY	(E) ALLOWABLE AREA ON EXISTING	(F) MAXIMUM PERMITTED AREA

1. Frontage area increases from Section 505.2:
 a. Perimeter which fronts a public way
 b. Total Building Perimeter
 c. Ratio (F/F)
 d. W = Minimum width of lot
 e. Percent of frontage increase = $1 + (F/F - 0.25) \times W/30$
 f. Multi-story building $1 + 2$
 g. Single story building $1 + 3$
 2. Unlimited area applicable under conditions of Sections Group B, F, H, S, A-(507.3), A-3 (507.4), Group A (unless picture 507.11), covered in all buildings (507.12), and H-2 aircraft paint hangars (507.9)
 3. Maximum Building Area = total number of stories in the building x E, but not greater than 3 x H (506.4.1)
 4. The maximum area of a single-use open parking garage shall be permitted to comply with Table 406.3.5. The maximum area of air traffic control towers must comply with Table 412.3.2.

ALLOWABLE HEIGHT

Types of Construction	ALLOWABLE HEIGHT (TABLE 503)	HEIGHT	GROUP OF FLOORS	OPEN ROOF DECKS

FIRE PROTECTION REQUIREMENTS (Tables 601 & 603)
 THIS SECTION IS REQUIRED TO BE COMPLETED FOR ALL PROJECTS.

RELIEF ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING**	DETAIL AND SIZE	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR PENETRATION	DESIGN # FOR RAISED JOISTS
Structural Frame, including columns, girders, trusses	200'	I	9 HR (EXISTING)	N/A	N/A	N/A
Party Walls	N/A	I	N/A	N/A	N/A	N/A
Exterior Walls	N/A	I	N/A	N/A	N/A	N/A
Roofs	200'	I	N/A	N/A	N/A	N/A
Partitions	200'	I	N/A	N/A	N/A	N/A
Stair	200'	I	N/A	N/A	N/A	N/A
Escalator	200'	I	N/A	N/A	N/A	N/A
Interior	N/A	I	N/A	N/A	N/A	N/A
Roof Construction including supporting beams and joists	200'	O	N/A	N/A	N/A	N/A
Roofs	200'	O	N/A	N/A	N/A	N/A
Yes	200'	O	N/A	N/A	N/A	N/A
No	200'	O	N/A	N/A	N/A	N/A
Interior walls and partitions	N/A	O	N/A	N/A	N/A	N/A
Floor Construction** including supporting beams and joists	N/A	I	2 HR (EXISTING)	N/A	UL-F PB2 504 (EXISTING)	N/A
Roof Construction including supporting beams and joists	N/A	I	2 HR (EXISTING)	N/A	UL-F PB2 504 (EXISTING)	N/A
Roofs	N/A	2 HR	2 HR (EXISTING)	N/A	UL-F 447 (EXISTING)	N/A
Roofs	N/A	2 HR	2 HR (EXISTING)	N/A	UL-F 447 (EXISTING)	N/A
Corridor Separation 1191.1	N/A	I	1 HR (EXISTING)	N/A	UL-F 447 (EXISTING)	N/A
Corridor Separation 1191.1	N/A	N/A	N/A	N/A	N/A	N/A
Party Wall Separation 1191.1	N/A	9 HR	N/A	N/A	N/A	N/A
Party Wall Separation 1191.1	N/A	1 HR	N/A	N/A	N/A	N/A
Smoke Barrier Separation 1191.1	N/A	1 HR	N/A	N/A	N/A	N/A
Stair Separation 1191.1	N/A	1 HR	1 HR (EXISTING)	N/A	UL-F 447 (EXISTING)	N/A
Incidental Use Separation 1191.2	N/A	N/A	N/A	N/A	N/A	N/A
Incidental Use Separation 1191.2	N/A	N/A	N/A	N/A	N/A	N/A

THERMAL ENVELOPE

Method of Compliance: Prescriptive Energy Cost Budget

Roof/Ceiling Assembly (each assembly):
 Description of assembly
 U-Value of total assembly
 R-Value of insulation
 Skylights in each assembly: U-Value of assembly, U-Value of skylight in each assembly, U-Value of skylight in each assembly

Exterior Walls (each assembly):
 Description of assembly
 U-Value of total assembly
 R-Value of insulation
 Openings (windows or doors with glazing): U-Value of assembly, shading coefficient, projection factor
 Door R-Values

Walls subject to unconditioned space (each assembly):
 Description of assembly
 U-Value of total assembly
 R-Value of insulation
 Openings (windows or doors with glazing): U-Value of assembly, shading coefficient, projection factor
 Door R-Values

Walls below grade (each assembly):
 Description of assembly
 U-Value of total assembly
 R-Value of insulation

Floors over unconditioned space (each assembly):
 Description of assembly
 U-Value of total assembly
 R-Value of insulation

Floors slab on grade:
 Description of assembly
 U-Value of total assembly
 R-Value of insulation
 Horizontal/vertical requirements
 slab board

PERCENTAGE OF WALL OPENING CALCULATIONS
 THIS SECTION IS REQUIRED TO BE COMPLETED FOR ADDITIONS, NEW CONSTRUCTION AND CHANGE OF USE

Allowable openings per Table 601

WALL LEGENDS
 THIS SECTION IS REQUIRED TO BE COMPLETED FOR ALL PROJECTS

CHECK IF THE FOLLOWING ARE PRESENT AND INDICATED BY A WALL LEGEND ON ALL PLANS:
 Fire Walls 704 Fire Barriers 707 Smoke Partitions 709 Smoke Barriers 710 Smoke Partitions 711

PLANS AS THEY ARE NOT PREPARED BY THE SCOPE OF THE PROJECT
 LIFE SAFETY SYSTEM REQUIREMENTS
 THIS SECTION IS REQUIRED TO BE COMPLETED FOR ALL PROJECTS

Emergency Lighting: S1606 No Yes
 Exit Signs: S1011 No Yes
 Fire Alarm: S907, NFPA 72-07 No Yes
 Smoke Detection Systems: S907 No Yes Partial
 Panic Hardware: S109.5.1.10 No Yes
 Life safety system generator: S207.2 No Yes

EXIT REQUIREMENTS
 THIS SECTION IS REQUIRED TO BE COMPLETED FOR ALL PROJECTS

NUMBER AND ARRANGEMENT OF EXITS

FLOOR, ROOM OR SPACE DESIGNATION	MINIMUM # OF EXITS REQUIRED	MIN. PLANS	TRAVEL DISTANCE ALLOWABLE (TABLE 1014.3)	ACTUAL TRAVEL DISTANCE BETWEEN EXITS	ARRANGEMENT OF EXITS	ACTUAL DISTANCE BETWEEN EXITS
SUITE 104	1	1	200'	122'-7"	NA	NA
SUITE 104	1	1	200'	122'-7"	NA	NA

OCCUPANT LOAD AND EXIT WIDTH
 THIS SECTION IS REQUIRED TO BE COMPLETED FOR ALL PROJECTS

USE GROUP OR SPACE DESCRIPTION	(A) AREA (SQ. FT.)	(B) AREA PER OCCUPANT	CALCULATED OCCUPANT LOAD (A/B)	EXISTS WIDTH PER OCCUPANT (SECTION 1005.1)	REQUIRED WIDTH (SECTION 1005.1)	ACTUAL WIDTH (SECTION 1005.1)
				FEET	FEET	FEET
SUITE 104	1765 SF	100 SF	17	6.3	6.2	8'-6"
SUITE 104	1266 SF	100 SF	12	8.5	8.4	2'-4"

ELECTRICAL SUMMARY
ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Prescriptive Performance Energy Cost Budget

Lighting schedule:
 lamp type required in fixture
 number of lamps in fixture
 ballast type used in the fixture
 number of ballasts in fixture
 total wattage per fixture
 total interior wattage
 total exterior wattage

Equipment schedules with motor horsepower
 number of phases
 minimum efficiency
 motor type
 # of poles

MECHANICAL SUMMARY
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Method of Compliance: Prescriptive Energy Cost Budget

Climatic Zone _____

Thermal Zone:
 winter dry bulb summer dry bulb relative humidity

Interior design conditions:
 winter dry bulb summer dry bulb relative humidity

Building heating load
 Building cooling load

Mechanical Space Conditioning System:
 history description of unit heating efficiency cooling efficiency heat output of unit cooling output of unit
 Boiler total boiler output, if oversized, state reason
 chiller total chiller capacity, if oversized, state reason

List equipment efficiencies:
 Equipment schedules with motors (mechanical system)
 motor horsepower number of phases minimum efficiency motor type # of poles

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NOT FOR CONSTRUCTION

Huseby
 GLOBAL LITIGATION SUPPORT
 CHARLOTTE, NC

Project Number: 13-003
 Issue Date: 07.17.15
 Revisions:

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Appendix B
CS2

NOT FOR
CONSTRUCTION


Huseby
 GLOBAL LITIGATION SUPPORT
 CHARLOTTE, NC

Project Number: 13-003

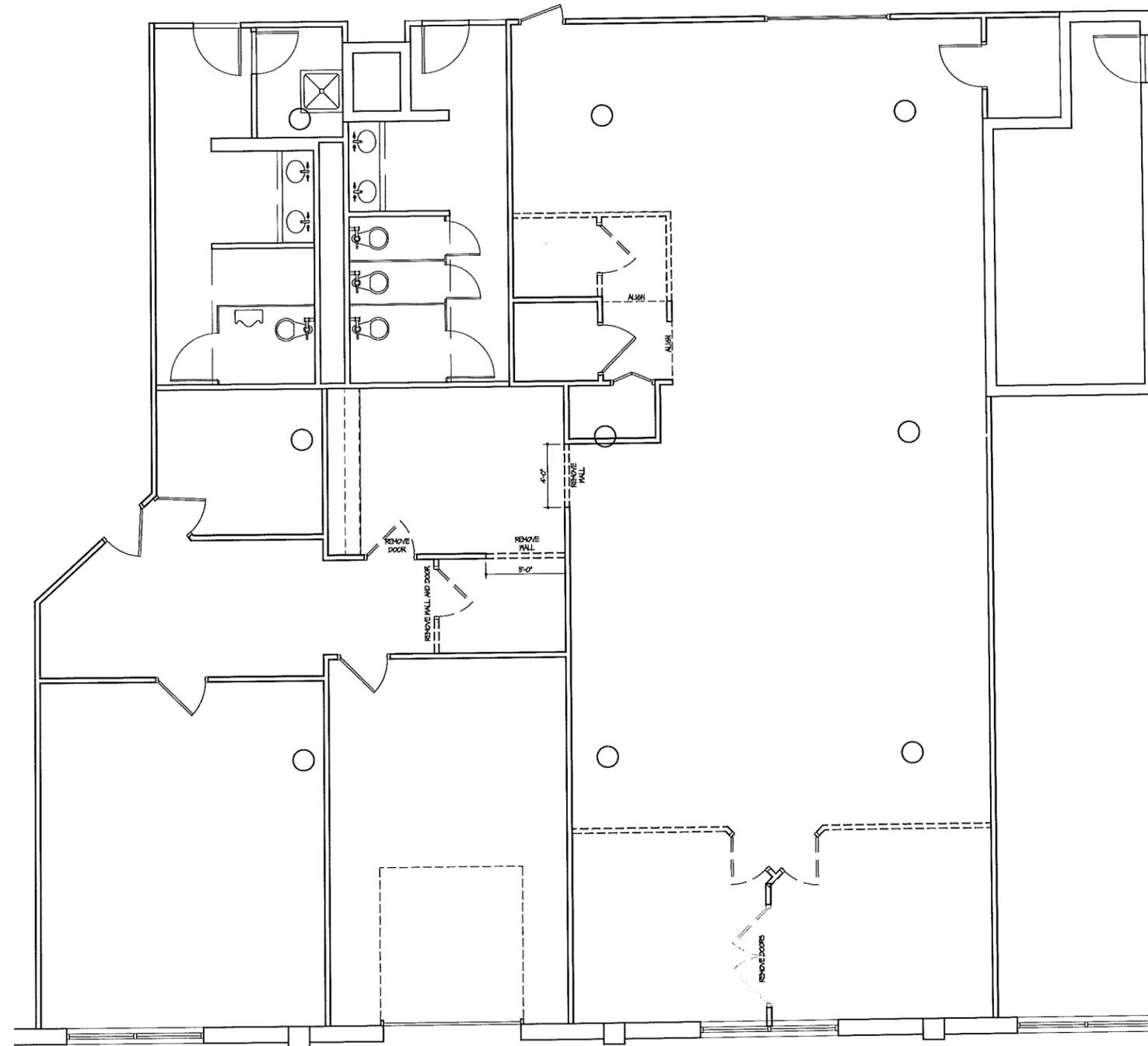
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Revisions

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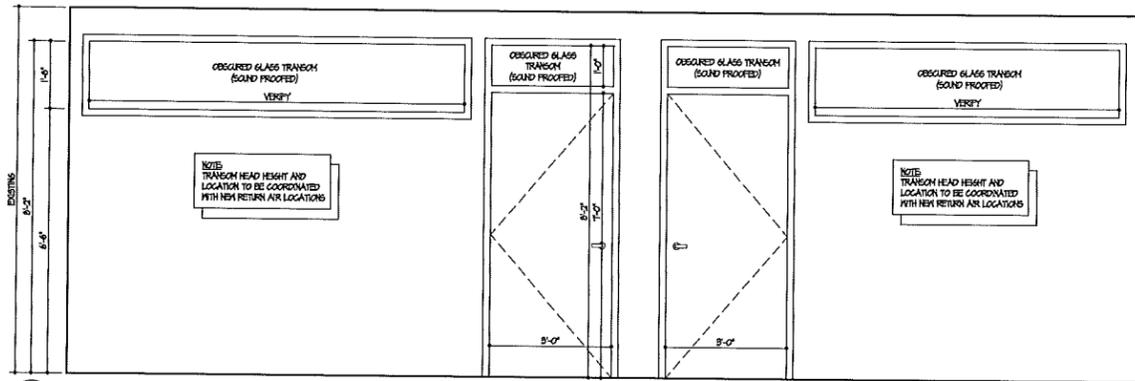
DEMOLITION
PLAN

A1-1



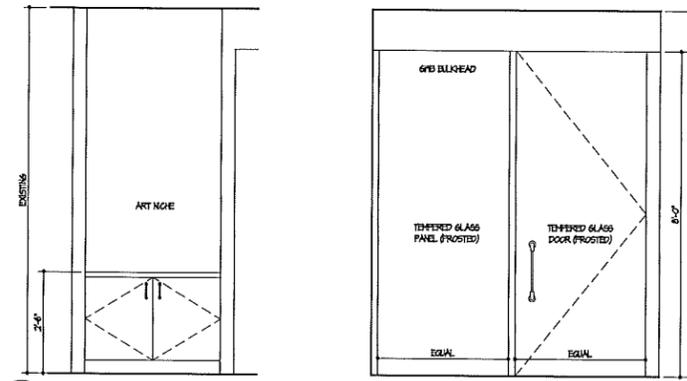
01 Demolition Plan

1/4" = 1'-0"



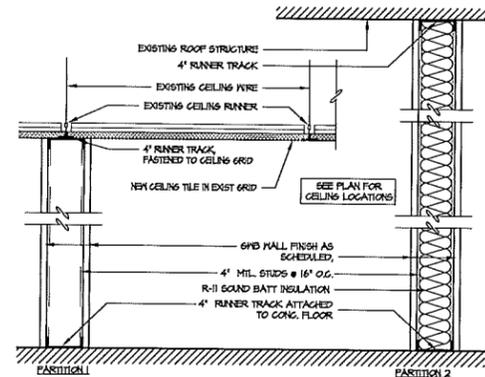
05 Interior Elevation

1/2" = 1'-0"



02 Interior Elevation

1/2" = 1'-0"



Partition Index

Door Schedule

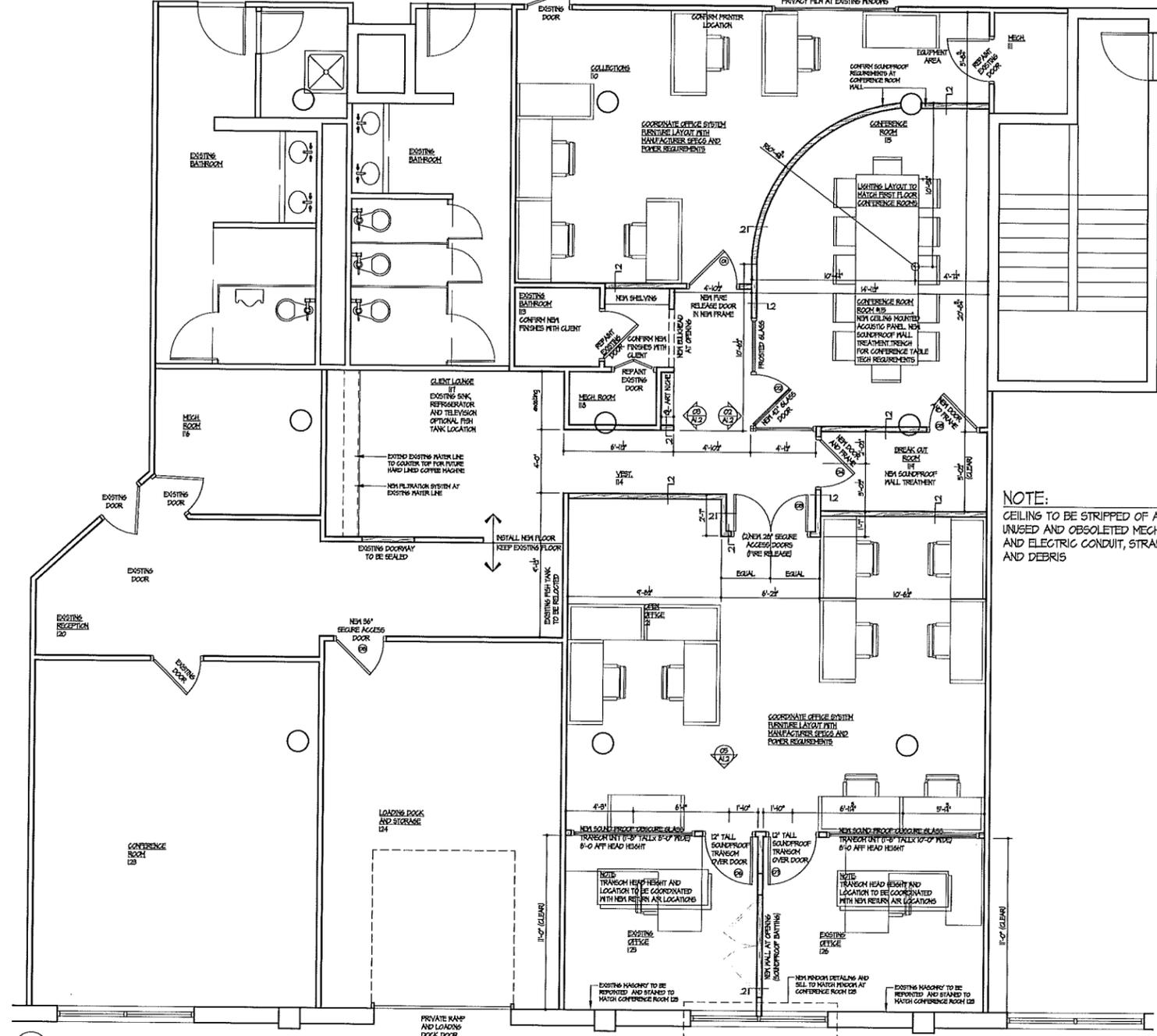
Tag	Size	Door	Frm.	Hardware	Func.	Remarks							
Unit A		rating	elevation	material	finish	panic	lock/latch	3-point	dead bolt	passage	h.c. closer	b/c. threshold	
01	8'-0" X 7'-0"		WOOD	HATCH	HATCH	PANT							FIRE RELEASE DOOR BUSHED ACCESS HARDWARE FROSTED GLASS (CONFORM LOCKING REQUIREMENTS)
02	8'-0" X 7'-0"		WOOD	HATCH	HATCH	PANT							REUSE DOOR FROM SUITE 408, IF POSSIBLE
03	8'-0" X 7'-0"		WOOD	HATCH	HATCH	PANT							REUSE DOOR FROM SUITE 408, IF POSSIBLE
04	8'-0" X 7'-0"		WOOD	HATCH	HATCH	PANT							REUSE DOOR FROM SUITE 408, IF POSSIBLE
05	8'-0" X 7'-0"		WOOD	HATCH	HATCH	PANT							REUSE DOOR FROM SUITE 408, IF POSSIBLE
06	8'-0" X 7'-0"		WOOD	HATCH	HATCH	PANT							REUSE DOOR FROM SUITE 408, IF POSSIBLE
07	8'-0" X 7'-0"		WOOD	HATCH	HATCH	PANT							REUSE DOOR FROM SUITE 408, IF POSSIBLE
08	8'-0" X 7'-0"		EXIST.	EXIST.	EXIST.	EXIST.							BUSHED ACCESS HARDWARE (1 HOUR DOOR MINIMUM)

Finish Schedule

Room Name	#	Floor	Base	Walls	Ceiling	Remarks
COLLECTING	10	EXISTING	SERENE GARDEN CARPET WITH PAD	SITE 104 PROFILE EXISTING	EXISTING PAINTED FLAT BLACK	SCOURFROOF CONFERENCE ROOM WALL
MECHANICAL	11	EXISTING	EXISTING	EXISTING	EXISTING PAINTED FLAT BLACK	
EXISTING BATHROOM	18	EXISTING	EXISTING	EXISTING	EXISTING PAINTED FLAT BLACK	
VESTIBLE	14	EXISTING	SERENE GARDEN CARPET WITH PAD	SITE 104 PROFILE EXISTING	EXISTING PAINTED FLAT BLACK	REMOVE EXISTING WALL SCORERS COORDINATE WITH EXISTING CASE AND LOCATION SCOURFROOF STUD WALL AND CURTAIN WALLS CEILING APPLIED ACOUSTIC PANEL OVER TABLE
CONFERENCE ROOM	15	EXISTING	SERENE GARDEN CARPET WITH PAD	SITE 104 PROFILE EXISTING	EXISTING PAINTED FLAT BLACK	
MECHANICAL	16	EXISTING	EXISTING	EXISTING	EXISTING	
CLIENT LOUNGE	17	EXISTING	SERENE GARDEN CARPET WITH PAD	SITE 104 PROFILE EXISTING	EXISTING PAINTED FLAT BLACK	THRESHOLD AT HALL OPENING TO SEPARATE EXISTING SITE 104 FINISHES FROM NEW CURT. 1/4 FINISHES
MECHANICAL ROOM	18	EXISTING	EXISTING	EXISTING	EXISTING	
BREAK OUT ROOM	19	EXISTING	SERENE GARDEN CARPET WITH PAD	SITE 104 PROFILE EXISTING	EXISTING PAINTED FLAT BLACK	REUSE DOORS FROM SUITE 408 SCOURFROOF STUD WALLS
EXISTING RECEPTION	10	EXISTING	EXISTING	EXISTING	EXISTING	
OPEN OFFICE	12	EXISTING	SERENE GARDEN CARPET WITH PAD	SITE 104 PROFILE EXISTING	EXISTING PAINTED FLAT BLACK	
CONFERENCE ROOM	13	EXISTING	EXISTING	EXISTING	EXISTING	
LOADING DOCK & STORAGE	124	EXISTING	EXISTING	EXISTING	EXISTING	
EXISTING OFFICE	125	EXISTING	SERENE GARDEN CARPET WITH PAD	SITE 104 PROFILE EXISTING	EXISTING PAINTED FLAT BLACK	REUSE DOORS FROM SUITE 408 ADDRESS SCOURFROOFING AT RETURN AIR GRILL
EXISTING OFFICE	126	EXISTING	SERENE GARDEN CARPET WITH PAD	SITE 104 PROFILE EXISTING	EXISTING PAINTED FLAT BLACK	REUSE DOORS FROM SUITE 408 ADDRESS SCOURFROOFING AT RETURN AIR GRILL

Paint Selections

#1	NEULANEN MOORE COLOR			
#2	PERSEPOLINE (60P-3)			
#3	PERSEPOLINE (60P-1000)			



01 Architectural Floor Plan

1/4" = 1'-0"

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NOT FOR CONSTRUCTION

Huseby
 GLOBAL LITIGATION SUPPORT
 CHARLOTTE, NC

Project Number: 13-003

Issue Date: 07.17.15

Revisions

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ARCHITECTURAL FLOOR PLAN

A1-2

WATER COOLED HEAT PUMP SCHEDULE																				
CU LABEL(S)	MANUFACTURER & MODEL NO.	TOTAL CAPACITY COOLING	SENSIBLE CAPACITY COOLING	TOTAL CAPACITY HEATING	COMP. RLA	FAN FLA	VOLTAGE	MOOP	EER/SEER	WEIGHT	EAT (DB/MB)	EWL (deg F)	LWT (deg F)	G.P.M.	PRESSURE DROP	O/A CFM	E.S.P.	BLOWER SPEED	FAN HP	TOTAL CFM
HP #1	FHP - EC061	53,270	41,020	69,590	18.0	5.2	208V/3Ø	45A	13.9	328 lbs.	75/63	94	106	15.0	10.7 FT. WC.	SEE SCH	0.3"	HIGH	3/4	2,000

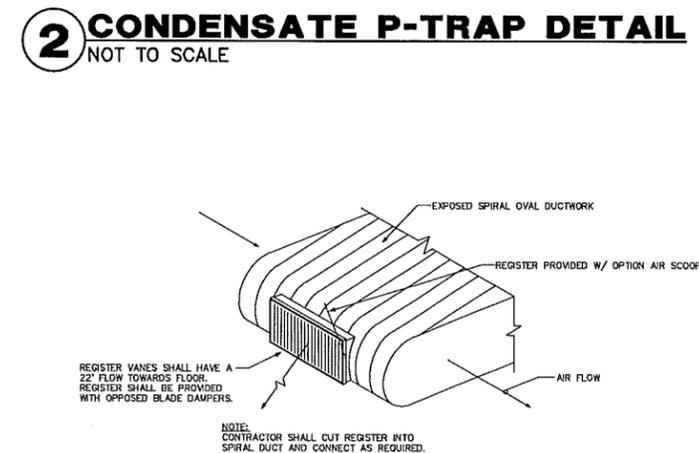
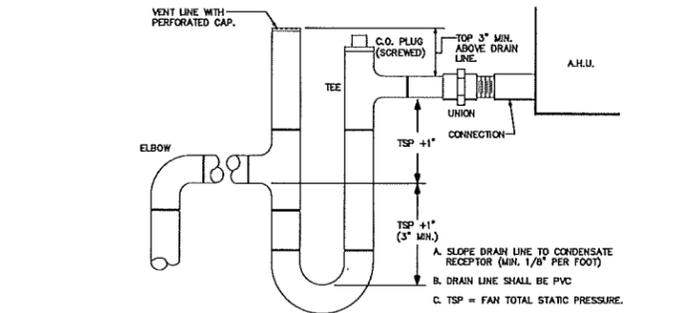
GENERAL NOTES:

- * ALL RATINGS ARE AT AIR ENTERING CONDITIONS UNLESS OTHERWISE NOTED.
- * PROVIDE VIBRATION ISOLATION FOR UNITS.
- * EXTERNAL STATIC PRESSURE DOES NOT INCLUDE COIL OR FILTER PRESSURE DROP.
- * CONTRACTOR MAY SUBSTITUTE MANUFACTURER FOR APPROVED EQUAL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT ANY CLEARANCE REQUIREMENTS ARE MET FOR ANY SUBSTITUTIONS.

ABBREVIATION LEGEND:

- MOOP - MAX. OVERCURRENT PROTECTION (DUAL ELEMENT TYPE FUSE)
- E.S.P. - EXTERNAL STATIC PRESSURE
- EER - ENERGY EFFICIENCY RATIO
- SEER - SEASONAL ENERGY EFF. RATIO
- O/A - OUTSIDE AIR
- HP - HORSE POWER
- RLA - RUNNING LOAD AMPS
- FLA - FULL LOAD AMPS

- ### GENERAL MECHANICAL NOTES
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE SYSTEM IN ACCORDANCE WITH THESE DRAWINGS, THE APPLICABLE BUILDING CODE AND ALL OTHER APPLICABLE STATE, COUNTY AND LOCAL ORDINANCES AND THE LATEST EDITION OF THE FOLLOWING PUBLICATIONS: SMACNA, AIRWAY, NETA BWA, 800, 91 & ANSI B-9.1. ALL DUCTWORK SHALL BE FABRICATED, INSTALLED, AND SUPPORTED AS PER SMACNA STANDARDS.
 - THE CONTRACTOR SHALL PAY ALL COSTS OF PERMIT, INSPECTIONS AND ALL OTHER COSTS INCIDENTAL TO THE COMPLETION AND TESTING OF THIS WORK.
 - THE CONTRACTOR SHALL VISIT THE SITE AND COORDINATE WORK WITH OTHER TRADES TO INSURE AN ORDERLY PROGRESS OF THIS WORK.
 - THE CONTRACTOR SHALL SUPPLY THE OWNER WITH ONE SET OF "AS-BUILT" DRAWINGS UPON COMPLETION OF THIS PROJECT. CONTRACTOR SHALL ALSO LEAVE FOR ONE AT LEAST ONE SET OF THE MANUFACTURER'S INSTALLATION AND OPERATIONS MANUALS FOR ALL EQUIPMENT PROVIDED ON THE PROJECT.
 - ALL PROVIDED MATERIALS SHALL BE NEW OF GOOD QUALITY. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER BY SOLLED WORKMAN.
 - CONTRACTOR SHALL SUBMIT, FOR APPROVAL, FIVE (5) COPIES OF MANUFACTURER'S DRAWINGS FOR EACH PIECE OF EQUIPMENT AND CONTROLS INCLUDED IN CONTRACT. IT IS STRONGLY PREFERRED THAT THE SUBMITTALS BE MADE IN THE FORM OF AN ELECTRONIC SUBMITTAL IN A PDF TYPE FORMAT.
 - ALL SUPPLY AND RETURN AIR DUCTWORK SHALL EXPOSED SPIRAL OVAL DUCTWORK AS MANUFACTURED BY UNIDAB. <http://go.gj/hb6k4x>. (OR APPROVED EQUAL)
 - DUCT SIZES SHOWN ARE INSIDE DIMENSIONS.
 - ALL AIR DEVICES (DIFFUSERS, REGISTERS AND GRILLES) SHALL BE ALL ALUMINUM CONSTRUCTION WITH EXPOSED SURFACE OFF WHITE BAKED ENAMEL FINISH OR AS SPECIFIED BY ARCHITECT. DEVICES SHALL BE TITUS, METALARE, AIRGUIDE. PROVIDE OPPOSED BLADE DAMPERS AT ALL DIFFUSERS AND REGISTERS.
 - THERMOSTAT SHALL BE COMBINATION COOLING/HEATING, WITH SYSTEM "COOL-AUTO-HEAT-OFF" AND FAN "ON-AUTO" SELECTOR SWITCHER. PROVIDE PROGRAMMABLE TYPE THERMOSTAT. * CONTRACTOR SHALL FULLY INSTRUCT OWNER ON HOW TO PROPERLY PROGRAM INSTALLED THERMOSTATS. * PROGRAMMABLE THERMOSTAT SHALL BE BY MANUFACTURER OF INSTALLED AIR HANDLING UNIT. IT IS RECOMMENDED THAT DURING OCCUPIED HOURS, THE FANS BE SET TO "ON" IN LIEU OF "AUTO". * THERMOSTATS SHALL BE MOUNTED A MAX. OF 48" A.F.F.
 - PROVIDE NEW FILTERS FOR ALL AIR CONDITIONING EQUIPMENT BEFORE STARTING THEM. REPLACE THEM PRIOR TO FINAL ACCEPTANCE BY OWNER.
 - HVAC CONTRACTOR SHALL PROVIDE A TEST AND BALANCE REPORT FOR ALL MECHANICAL EQUIPMENT, AIR DEVICES, DAMPERS, AHUS AND FANS. THE T & B SHALL BE IN ACCORDANCE WITH THE AIR BALANCE COUNCIL STANDARDS AND SHALL INCLUDE AIR QUANTITIES FOR ALL SUPPLY GRILLES, RETURN GRILLES AND EXHAUST GRILLES, AND THE LEAVING AND ENTERING AIR TEMPERATURE (T) FROM SUPPLY GRILLES AND EVAPORATORS.
 - THERMOSTAT LOCATION SHALL BE APPROVED BY OWNER BEFORE INSTALLATION.
 - ALL INSULATION SHALL HAVE FIRE/SMOKE RATING LESS THAN 25/50.
 - MECHANICAL PLANS IN GENERAL ARE DIAGRAMMATIC IN NATURE, AND ARE TO BE READ IN CONJUNCTION WITH ARCH, PLUMBING, ELECTRICAL AND STRUCTURAL PLANS AND SHALL BE CONSIDERED AS ONE SET OF DOCUMENTS. DUCT AND PIPING OFFSETS, BENDS AND TRANSITIONS WILL BE REQUIRED TO PROVIDE AND INSTALL A COMPLETE FUNCTIONAL SYSTEM AND SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
 - CONTRACTOR SHALL INSTALL ALL OUTDOOR EQUIPMENT TO WITHSTAND WIND LOADING FORCES AS REQUIRED BY LOCAL CODES. REFER TO STRUCTURAL PLANS BY OTHERS FOR STRUCTURAL DETAILS.
 - PROVIDE ALL NECESSARY CONTACTORS, RELAYS, ETC., FOR A COMPLETE OPERATING SYSTEM.
 - THROUGHOUT THE COURSE OF THE WORK, MINOR CHANGES AND ADJUSTMENTS TO THE PLANS AND SPECIFICATIONS MAY BE REQUESTED BY THE TENANT. THE CONTRACTOR SHALL MAKE SUCH ADJUSTMENTS WITHOUT ADDITIONAL COST TO THE TENANT, UNLESS SUCH ADJUSTMENTS ARE NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE SYSTEMS, AND WITHIN THE INTENT OF THE CONTRACT DOCUMENTS.
 - NOTWITHSTANDING ANY OTHER PROVISIONS OF THE CONTRACT DOCUMENTS, THE CONTRACTOR BEARS ULTIMATE RESPONSIBILITY FOR COMPLIANCE OF THE INSTALLATION WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
 - IF ANY ERRORS, DISCREPANCIES OR OMISSIONS APPEAR IN THE DRAWINGS, SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF SUCH ERROR OR OMISSION. IN THE EVENT OF THE CONTRACTOR FAILING TO GIVE SUCH NOTICE BEFORE CONSTRUCTION AND/OR FABRICATION OF THE WORK, HE WILL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS, DISCREPANCIES OR OMISSIONS AND THE COST OF RECTIFYING SAME.
 - CONDENSER WATER PIPING SERVING HP #1 SHALL BE PVC SCHED. 40.

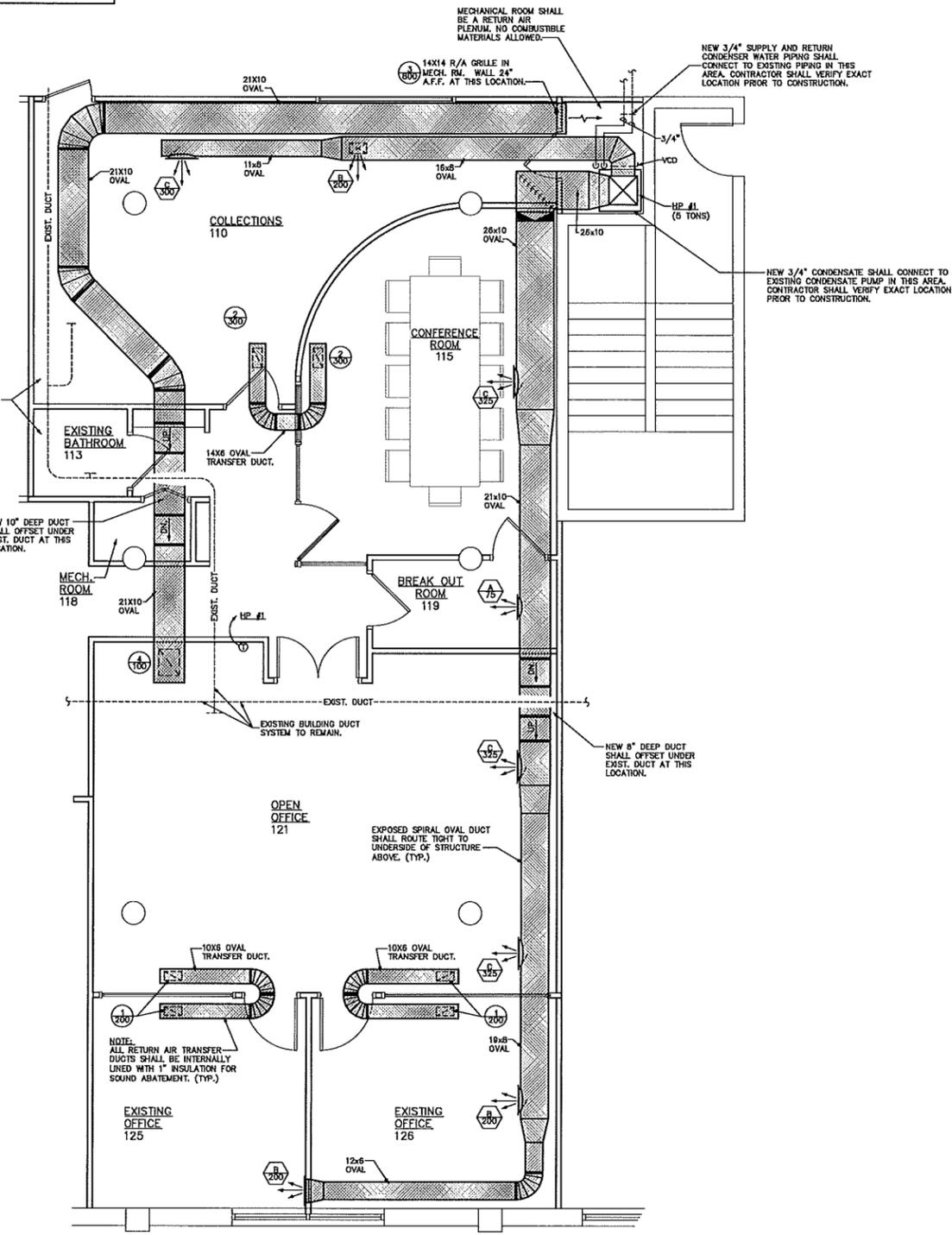


SUPPLY DIFFUSER SCHEDULE

DESIGNATES LABEL FOR DIFFUSER TYPE	DESIGNATES CFM QUANTITY FOR DIFFUSER	ALL DIFFUSERS ARE TO BE PROVIDED WITH OPPOSED BLADE DAMPERS UNLESS OTHERWISE SPECIFIED ON PLANS.		
LABEL	MANUFACTURER & MODEL NO.	NECK SIZE	CFM RANGE	REMARKS
A	TITUS S300FS	10x6	0 - 125	DIRECT SPIRAL MOUNTED REGISTER
B	TITUS S300FS	10x8	130 - 250	DIRECT SPIRAL MOUNTED REGISTER
C	TITUS S300FS	18x6	255 - 400	DIRECT SPIRAL MOUNTED REGISTER
D	TITUS 300RL	10x6	155 - 200	SIDEWALL REGISTER

RETURN GRILLE SCHEDULE

DESIGNATES LABEL FOR GRILLE TYPE	DESIGNATES CFM QUANTITY FOR GRILLE	FILTER SHALL BE PROVIDED AT UNIT.		
LABEL	MANUFACTURER & MODEL NO.	NECK SIZE	CFM RANGE	REMARKS
1	TITUS 50FF	10x6	0 - 225	EGGCRATE FACE
2	TITUS 50FF	14x6	230 - 350	EGGCRATE FACE
3	TITUS 50FF	14x14	355 - 900	EGGCRATE FACE
4	TITUS 50FF	18x14	905 - 1200	EGGCRATE FACE



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GLOBAL LITIGATION SUPPORT
CHARLOTTE, NC

Project Number: 13-003
Issue Date: 08.17.15
Revisions

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MECHANICAL FLOOR PLAN
M-1