EAST COAST HEARING AND BALANCE NEW OFFICE BUILDING

MOREHEAD CITY, NORTH CAROLINA

DRAWING LIST

CS-1	COVER SHEET
G-1	GENERAL DATA
G-2	LIFE SAFETY PLAN
G-3	UL DETAILS
SHEET 1	SITE & LANDSCAPE PLAN
SHEET 2	GRADING PLAN
SHEET 3	UTILITY PLAN
SHEET 4	DETAILS
A-1	FLOOR PLAN
A-1.1	ENLARGED FLOOR PLANS AND DETAILS
A-1.2	ROOF PLAN
A-2	REFLECTED CEILING PLAN
A-3	DOOR AND WINDOW SCHEDULES
A-4	EXTERIOR ELEVATIONS
A-5	BUILDING SECTIONS
A-5.1	WALL SECTIONS
A-5.2	WALL SECTIONS
A-5.3	WALL SECTIONS
A-6	NOT USED
A-7	NOT USED
A-7.1	TOILET ELEVATIONS
A-8	NOT USED
A-9	MILLWORK
S-1	FOUNDATION PLAN
S-1.1	SECOND FLOOR FRAMING AND ROOF FRAMING PLANS
P-1	PLUMBING SPECIFICATIONS
P-2	DWV PLAN
P-3	SUPPLY PLAN
P-4	PLUMBING RISERS
P-5	DWV PLAN
M-1	HVAC SCHEDULES
M-2	HVAC PLANS
M-3	HVAC SPECS/DETAILS
E-1	ELECTRICAL SPECIFICATIONS
E-2	LIGHTING PLANS
E-3	POWER PLANS
E-4	ELECTRICAL PANEL & RISERS

Coastal Architecture

USE OF **Coastal Architecture,** DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS

The Drawings, Specifications and other documents prepared by **Coastal Architecture,** the Designer, for this project are instruments of service for use solely with respect to this project and, unless otherwise provided, the Designer shall be deemed the author of these documents and shall retain all common law, statutory and other reserved rights, including copyright protection. The Owner shall be permitted to retain copies of the Designer's drawings, Specifications, and other documents for information and reference in connection with the Owner's use and occupancy of this project. No portions in part or in whole of the Drawings, Specifications and other documents shall be duplicated or used by the Owner or others for additions to this Project, completion of this Project by others, or on other Projects without written consent by the Designer.

Coastal Architecture PLLC

- Architectural Design
- Planning
- Interiors

AIA

Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net

4206 Bridges St. Ext., Suite C
Morehead City, NC 28557

www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE
NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

COASTAL ARCHITECTURE PLLC CERT. NO. 57792 MOREHEAD CITY, NC

REGISTERED ARCHITECT LEE D. DIXON, JR. 6419 NORTH CAROLINA

COVER SHEET

18004

ISSUED: 8/10/18
DWG BY: LSA
CKD BY: LDD

REVISIONS

SHEET NO.
CS-1
OF

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

PDF processed with CutePDF evaluation edition www.CutePDF.com

Preliminary Planning
North Carolina Department of Insurance
Building Project Data Sheet

Name of Project: EAST COAST HEARING AND BALANCE
Address: MOREHEAD CITY, NORTH CAROLINA Zip Code 28557
Proposed Use: OFFICE
Owner or Authorized Agent: Lee D. Dixon, AIA (AGENT) Phone #252-247-2127 E-mail: lee@coastalarchitecture.net
Owned By: ☐ City/County ☒ Private ☐ State
Code Enforcement Jurisdiction: ☒ City MOREHEAD CITY ☐ County _____ ☐ State _____

LEAD DESIGN PROFESSIONAL:

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	Coastal Architecture	Lee D. Dixon	6419	252-247-2127	Lee@coastalarchitecture.net
Civil	The Cullipher Group	Charles Cullipher	037378	252-773-0080	chase@tcgpa.com
Electrical	BDG	Ben Burke	22038	919-771-1916	benburke@ncrr.com
Fire Alarm	BDG	Ben Burke	22038	919-771-1916	benburke@ncrr.com
Plumbing	BDG	Ben Burke	22038	919-771-1916	benburke@ncrr.com
Mechanical	BDG	Ben Burke	22038	919-771-1916	benburke@ncrr.com
Sprinkler-Standpipe					
Structural		Mike Mountcastle	17326	252-247-2127	micastle627@embarqmail.com
Retaining Walls>5' High					
Other					

2012 EDITION OF NC CODE FOR: ☒ New Construction ☐ Addition ☐ Upfit
EXISTING: ☐ Reconstruction ☐ Alteration ☐ Repair ☐ Renovation
CONSTRUCTED - **ORIGINAL USE(S)** -
RENOVATED - **CURRENT USE(S)** -
PROPOSED USE(S) -

BUILDING DATA
Construction Type: ☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A ☐ I-B ☐ II-B ☐ III-B ☒ V-B
Sprinklers: ☒ No ☐ Partial ☐ Yes ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☐ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Fire District: ☐ No ☐ Yes **Flood Hazard Area:** ☐ No ☐ Yes
Building Height: 38 Feet

Gross Building Area:

AREA	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
1st Floor	—	2000	2000
2nd Floor		2000	2000
Total			4000

STRUCTURAL DESIGN

DESIGN LOADS:
Importance Factors: Wind (I_w) _____ Snow (I_s) _____ Seismic (I_E) _____
Live Loads: Roof _____ psf Mezzanine _____ psf Floor _____ psf
Ground Snow Load: _____ psf
Wind Load: Basic Wind Speed _____ mph (ASCE-7-02) Exposure Category _____ Wind Base Shears (for MWFRS) Vx = _____ Vy = _____

SEISMIC DESIGN CATEGORY ☐ A ☐ B ☐ C ☐ D
Provide the following Seismic Design Parameters:
Occupancy Category ☐ I ☐ II ☐ III ☐ IV
Spectral Response Acceleration S_S _____ %g S_1 _____ %g
Site Classification (Table 1613.5.2) ☐ A ☐ B ☐ C ☐ D
Data Source: ☐ Field Test ☐ Presumptive ☐ Historical Data
Basic structural system (check one)
☐ 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 ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic
Architectural, Mechanical, Components anchored? ☐ Yes ☐ No

LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☐

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity 1500 psf
Pile size, type, and capacity _____

SEE STRUCTURAL

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE		WATERCLOSETS		URINALS	LAVATORIES		SHOWERS/ TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE		MALE	FEMALE		REGULAR	ACCESSIBLE
SPACE	EXISTING	∅	∅	∅	∅	∅			∅
	NEW	2	2	∅	2	2			
	REQUIRED	1	1	∅	1	1	∅		1

ALLOWABLE AREA

Primary Occupancy: Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
☒ Business ☐ Educational ☐ Factory ☐ 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 ☐ I-3 ☐ I-4
I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ Mercantile Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled ☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
☐ Utility and Miscellaneous

Secondary Occupancies:

Accessory Occupancies: Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
☐ Business ☐ Educational ☐ Factory ☐ 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 ☐ I-3 ☐ I-4
I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ Mercantile Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled ☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
☐ Utility and Miscellaneous

Incidental Uses (Table 508.2.5):
☐ Furnace room where any piece of equipment is over 400,000 Btu per hour input
☐ Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
☐ Refrigerant machine room ☐ Hydrogen cutoff rooms, not classified as Group H
☐ Incinerator rooms ☐ Paint shops, not classified as Group H, located in occupancies other than F
☐ Laboratories and vocational shops, not classified as Group H, located in a Group E or I-2
☐ Laundry rooms over 100 square feet ☐ Group I-3 cells equipped with padded surfaces
☐ Group I-2 waste and linen collection rooms ☐ Waste and linen collection rooms over 100 square feet
☐ Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallon, or a lithiumion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies
☐ Rooms containing fire pumps ☐ Group I-1 storage rooms over 100 square feet
☐ Group I-2 commercial kitchens ☐ Group I-2 laundries equal to or less than 100 square feet
☐ Group I-2 rooms or spaces that contain fuel-fired heating equipment

Special Uses: ☐ 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.
☐ Incidental Use Separation (508.2.5) Exception:_____
This seperation is not exempt as a Non-Separated Use (see exceptions).
☐ Non-Separated Use (508.3)
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, so determined, 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.

_____ + _____ ≤ 1

SPECIAL APPROVALS

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

N/A

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.

Climate Zone: ☒ 3A ☐ 4 ☐ 5
Method of Compliance:
☒ Prescriptive (Energy Code) ☐ Performance (Energy Code)
☐ Prescriptive (ASHRAE 90.1) ☐ Performance (ASHRAE 90.1)

THERMAL ENVELOPE
Roof/ceiling Assembly (each assembly)
Description of assembly: TPO on 5/8 fiberboard on 2 1/2" min. roof insulation on 5/8" plywood
U-Value of total assembly: 0.02
R-Value of insulation: R30
Skylights in each assembly: N/A
U-Value of skylight: N/A
total square footage of skylights in each assembly: N/A

Exterior Walls (each assembly)
Description of assembly: 6" wood stud, R19 insulation, 5/8" GWB, 5/8" plywood
U-Value of total assembly: 0.04
R-Value of insulation: R19
Openings (windows or doors with glazing)
U-Value of assembly: _____
Solar heat gain coefficient: Mirro Pane
projection factor: _____
Door R-Values: _____

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

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

Floors slab on grade
Description of assembly: Concrete Slab
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/Vertical requirement: _____
slab heated: N/A

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503[5] AREA	(C) AREA FOR FRONTAGE INCREASE[1]	(D) AREA FOR SPRINKLER INCREASE[2]	(E) ALLOWABLE AREA OR UNLIMITED[3]	(F) MAXIMUM BUILDING AREA[4]
1	BUSINESS	2000	9000	3744	0	12,744	25,488
2	BUSINESS	2000	9000	3744	0	12,744	25,488

[1] Open space area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 126 (F)
b. Total Building Perimeter = 189 (P)
c. Ratio (F/P) = .6667 (F/P)
d. W = Minimum width of public way = 30 (W)
e. Percent of frontage increase I_f = 100 [F/P-0.25] x W/30 = 41.6 (%) 100(0.6667-.25)X1=41.6
[2] The sprinkler increase per Section 506.3 is as follows:
a. Multi-story building I_s = 200 percent
b. Single story building I_s = 300 percent
[3] Unlimited area applicable under conditions of Section 507
[4] Maximum Building Area = total number of stories in the building x E (506.4).
[5] The maximum area of OPEN parking garages must comply with Table 406.3.5. The maximum area of air traffic control towers must comply with Table 412.1.2.

ALLOWABLE HEIGHT

	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type VB		Type VB	
Building Height in Feet	40	Feet = H + 20' = N/A		T503
Building Height in Stories	2	Stories + 1 = N/A	2	T503

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/_____* REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North	> 30	0	0	—	—	—	—
East	< 5	1	1	G-3	W408	—	—
West	> 30	0	0	—	—	—	—
South	> 30	0	0	—	—	—	—
Interior	> 30	0	0	—	—	—	—
Nonbearing walls and partitions				—	—	—	—
Exterior							
North	> 30	0	0	—	—	—	—
East	< 30	0	0	—	—	—	—
West	> 30	0	0	—	—	—	—
South	> 30	0	0	—	—	—	—
Interior walls and partitions		0	0	—	—	—	—
Floor construction Including supporting beams and joists	FLOOR/ CEILING	1	1	G-3	L528	—	—
Roof construction Including supporting beams and joists	ROOF/ CEILING	1	1		2 LAYERS 5/8" TYPE X	—	—
Shaft Enclosures- Exit		1 HR	1 HR	G-3	U305		
Shaft Enclosures - Other		1 HR	1 HR	G-3	U905		
Corridor Separation		0	0				
Occupancy Separation		—					
Sleep/Dwelling Separation		—					
Party/Fire Wall Separation		—					
Smoke Barrier Separation		—					
Tenant Separation		—					
Incidental Use Separation		—					

* Indicate section number permitting reduction

MECHANICAL SUMMARY
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
winter dry bulb: _____
summer dry bulb: _____
Interior design conditions
winter dry bulb: _____
summer dry bulb: _____
relative humidity: _____
Building heating load: _____
Building cooling load: _____
Mechanical Spacing Conditioning System
Unitary
description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____
Boiler
Size category. If oversized, state reason.: _____
Chiller
Size category. If oversized, state reason.: _____
List equipment efficiencies: _____

SEE MECHANICAL

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☒ No ☐ Yes
Smoke Detection Systems: ☒ No ☐ Yes ☐ Partial_____
Panic Hardware: ☒ No ☐ Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: G2
☒ 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' of the proposed building
☒ Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1)
☒ Occupant loads for each area ☒ Exit access travel distances (1016)
☒ Common path of travel distances (1014.3 & 1028.8) ☒ Dead end lengths (1018.4)
☒ Clear exit widths for each door
☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1)
☒ 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 (1008.1.10)
N/A Location of doors with delayed egress locks and the amount of delay (1008.1.9.7)
N/A Location of doors with electromagnetic locks (1008.1.9.8) N/A Location of doors equipped with hold-open devices
N/A Location of emergency escape windows (1029) N/A The square footage of each fire area (902)
☒ The square footage of each smoke compartment (407.4)
☒ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(SECTION 1107)

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
		NOT	APPLICABLE				

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR W/ 5' ACCESS ISLE	VAN SPACES WITH 132" ACCESS ISLE	8' ACCESS ISLE	
	SEE	SITE	PLAN			
TOTAL						

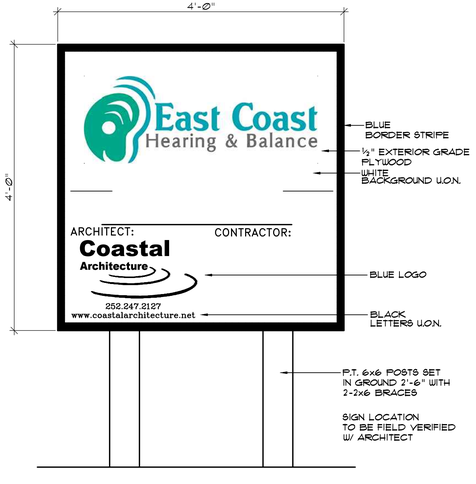
ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT
Method of Compliance:
Energy Code: ☐ Prescriptive ☐ Performance
ASHRAE 90.1: ☐ Prescriptive ☐ Performance

SEE ELECTRICAL

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 specified vs allowed (whole building or space by space)
total exterior wattage specified vs allowed

Additional Prescriptive Compliance
☐ 506.2.1 More Efficient Mechanical Equipment
☐ 506.2.2 Reduced Lighting Power Density
☐ 506.2.3 Energy Recovery Ventilation Systems
☐ 506.2.4 Higher Efficiency Service Water Heating
☐ 506.2.5 On-Site Supply of Renewable Energy
☐ 506.2.6 Automatic Daylighting Control Systems



NOTE: SUBMIT SHOP DRAWING FOR COORDINATION OF LETTER HEIGHTS SPECIFIC SIGN COLORS.

1 G-1 PROJECT SIGN
NOT TO SCALE

Coastal Architecture PLLC
• Architectural Design
• Planning
• Interiors
AIA
Member of the American Institute of Architects
Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net
4206 Bridges St. Ext., Suite C
Morehead City, NC 28557
www.CoastalArchitecture.net

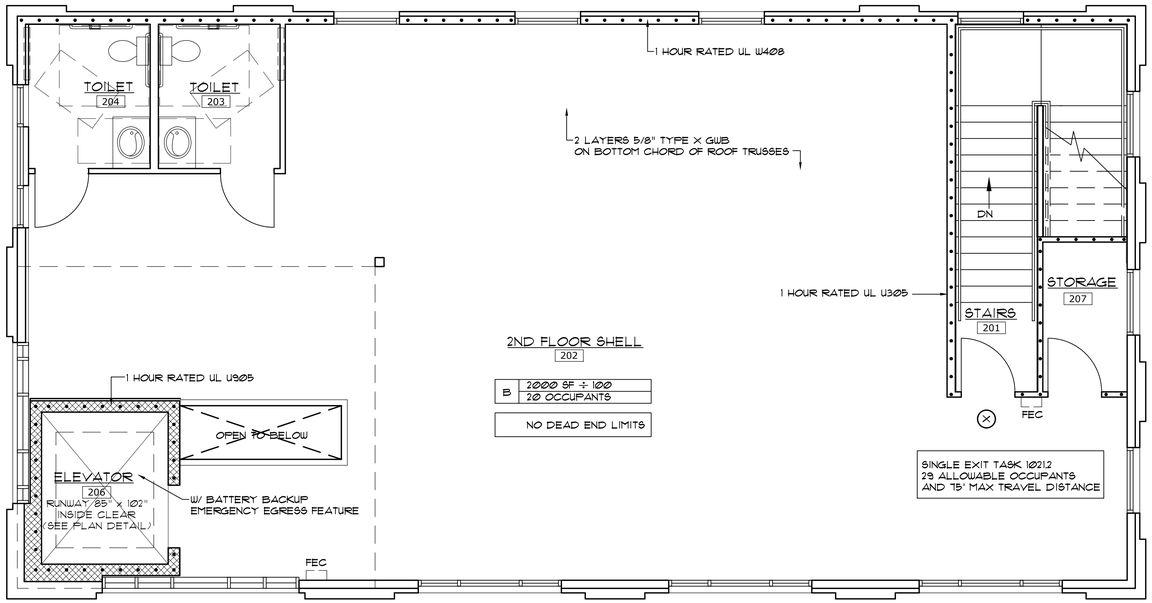
EAST COAST HEARING AND BALANCE
NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

GENERAL DATA

18004
ISSUED: 8-10-18
DWG BY: LSA
CKD BY: LDD
REVISIONS

SHEET NO.
G-1
OF

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.



160 ALLOWABLE OCCUPANTS	20 ACTUAL OCCUPANTS
STAIR EXIT CAPACITY	

OCCUPANCY/LOAD TYPE KEYING:

B = BUSINESS

LEGEND:

F.E.C. = FIRE EXTINGUISHER AND CABINET
LARSEN SEMI-RECESSED FS 2409-R3
BRUSHED CHROME W/ MP5 FIRE EXTINGUISHER

= 1 HR RATED WALL

34.25" = CLEAR EXIT WIDTH

= EXIT

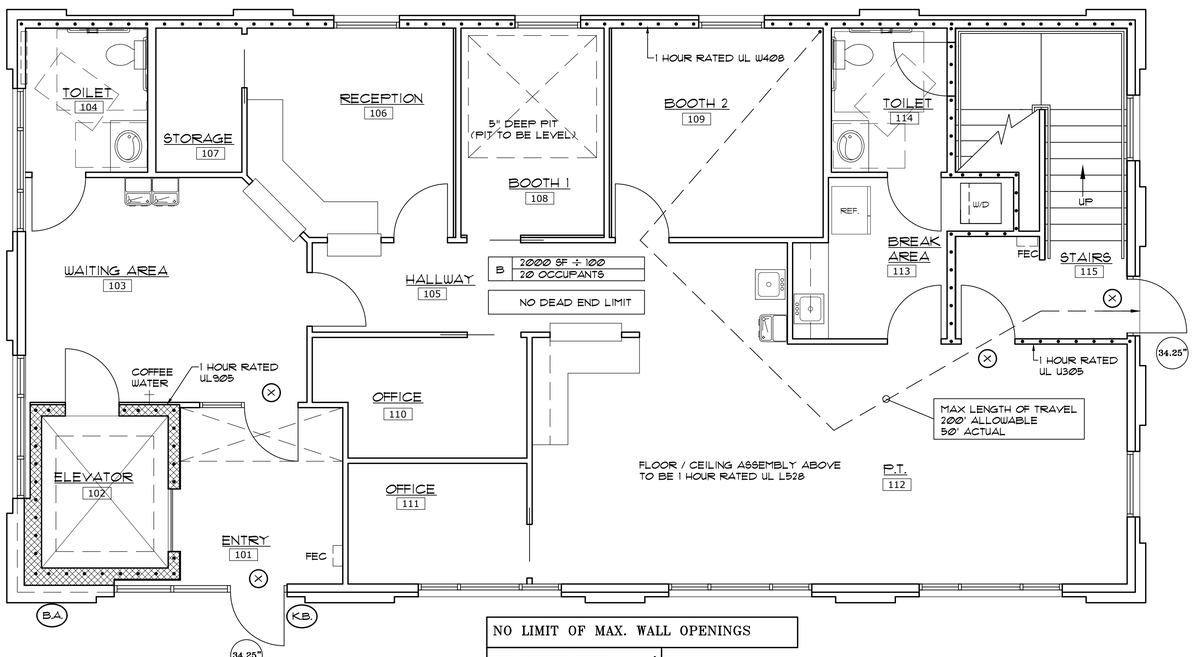
B.A. = BUILDING ADDRESS- 6" MIN. HEIGHT, ON CONTRASTING BACKGROUND, READILY VISIBLE FROM STREET

K.B. = KNOX BOX, FIRE DEPARTMENT KEY LOCK BOX
CONFIRM LOCATION W/ FIRE DEPARTMENT

2 G-2 SECOND LEVEL LIFE SAFETY PLAN
SCALE: 1/4"=1'-0"

PROPERTY LINE < 5'

15% MAX. OPENINGS ALLOWABLE W/7% ACTUAL



172 ALLOWABLE OCCUPANTS	10 ACTUAL OCCUPANTS
EXIT CAPACITY	

NO LIMIT OF MAX. EXT. WALL OPENINGS

PROPERTY LINE > 30'

NO LIMIT OF MAX. EXT. WALL OPENINGS

PROPERTY LINE > 30'

NO LIMIT OF MAX. WALL OPENINGS

PROPERTY LINE > 30'
PUBLIC WAY

172 ALLOWABLE OCCUPANTS	10 ACTUAL OCCUPANTS
EXIT CAPACITY	

1 G-2 FIRST LEVEL LIFE SAFETY PLAN
SCALE: 1/4"=1'-0"

Coastal Architecture PLLC

- Architectural Design
- Planning
- Interiors

AIA
Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net

4206 Bridges St. Ext.,
Suite C
Morehead City, NC
28557

www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE
NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

LIFE SAFETY PLAN

18004

ISSUED:	8-10-18
DWG BY:	LSA
CKD BY:	LDD

REVISIONS

SHEET NO.
G-2
OF

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

Design No. L528
BXUV.L528
Fire Resistance Ratings - ANSI/UL 263

Design/System/Construction/Assembly Usage Disclaimer

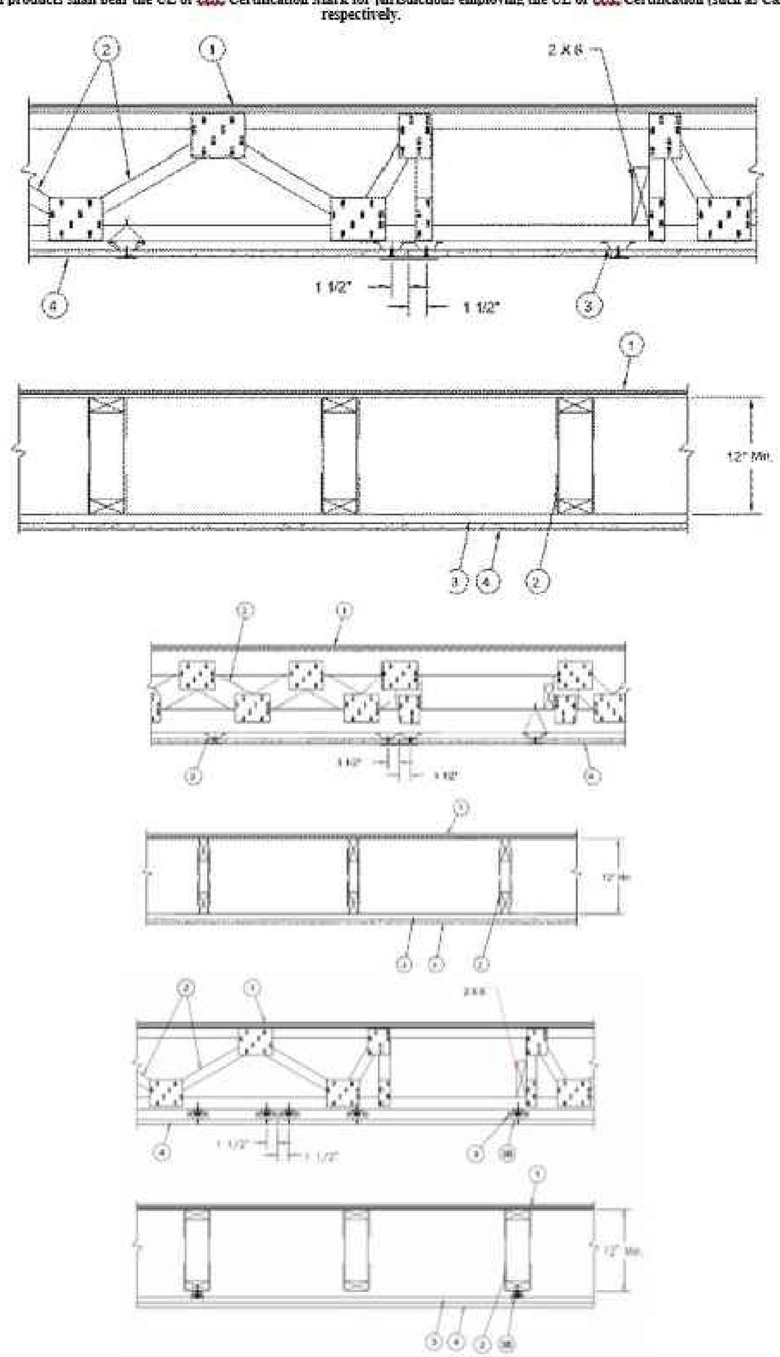
BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

Design No. L528
August 03, 2018

Unrestrained Assembly Rating - 1 Hr.
Finish Rating - 22 Min.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Flooring System** -- The flooring system shall consist of one of the following:

System No. 1
Subflooring -- Min 23/32 in. thick T & G wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with end joints staggered 4 ft. Panels secured to trusses with construction adhesive and No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

System No. 2
Subflooring -- Min 23/32 in. thick T & G wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with end joints staggered 4 ft. Panels secured to trusses with construction adhesive and No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.
Vapor Barrier -- (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Vapor Barrier -- (Optional) - Nom 0.010 in. thick commercial rosin-sized building paper.
Finish Flooring -- Min 3/4 in. thickness of lightweight insulating concrete with **Perlite Aggregate*** or **Vermiculite Aggregate***, or gypsum concrete.
See **Perlite Aggregate** (CFFX) and **Vermiculite Aggregate** (CJZZ) categories for names of manufacturers.

System No. 3
Subflooring -- Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier -- (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Floor Mat Materials* -- (Optional)-- Nom 6 mm thick floor mat material adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of floor-topping mixture. When floor mat material is used, min thickness of floor topping mixture is 1 in.
HACKER INDUSTRIES INC -- Type Hacker Sound-Mat.
Alternate Floor Mat Materials* -- (Optional) -- Floor mat material nom 10 mm thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1-1/2 in. of floor-topping mixture.
HACKER INDUSTRIES INC -- Type Hacker Sound-Mat II.
Alternate Floor Mat Materials* -- (Optional) -- Floor mat material nom 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a min of 1 in.
HACKER INDUSTRIES INC -- Type Quiet Qurl 55/025
Alternate Floor Mat Materials* -- (Optional) -- Floor mat material nom 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/2 in.
HACKER INDUSTRIES INC -- Type Quiet Qurl 60/040

Alternate Floor Mat Materials* -- (Optional) -- Floor mat material nom 3/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/2 in.
HACKER INDUSTRIES INC -- Type Quiet Qurl 65/075
Metal Lath (Optional) -- For use with 3/8 in. or 10 mm floor mat materials, 3/8 in. expanded steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material. Hacker Floor Primer to be applied prior to the placement of the metal lath. When metal lath is used, floor topping thickness a nom 1-1/4 in. over the floor mat.
Finish Flooring - Floor Topping Mixture* -- Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1100 psi. Mixture shall consist of 6.8 gal of water to 80 lbs of floor topping mixture to 1.9 cu ft of sand.
HACKER INDUSTRIES INC -- Firm-Fill Gypsum Concrete, Firm-Fill 2010, Firm-Fill 3310, Firm-Fill 4010, Firm-Fill High Strength, Gyp-Span Radiant

System No. 4
Subflooring -- Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier -- (Optional)-- Commercial asphalt saturated felt, 0.030 in. thick.
Floor Mat Materials* -- (Optional) - Min 3/8 in. to max 3/4 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under Floor Topping Mixture.
UNITED STATES GYPSUM CO -- Levelrock Brand Sound Reduction Mat
Alternate Floor Mat Materials* -- (Optional) - Nom 1/4 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under **Floor Topping Mixture.**
UNITED STATES GYPSUM CO -- Levelrock Brand Floor Underlayment SRM-25
Alternate Floor Mat Materials* -- (Optional) - Nom 3/8 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under **Floor Topping Mixture.**
SOLUTIA INC -- Type SC50
Alternate Floor Mat Material* -- (Optional) - Floor mat material nominal 3/8 in. thick loose laid over the subfloor. Floor topping shall be a min 3/4 in. thick.
OWENS CORNING -- Type QuietZone Acoustical Floor Mat
Finish Flooring - Floor Topping Mixture* -- Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1200 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
UNITED STATES GYPSUM CO -- Type LRK
System No. 5
Subflooring -- Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier-(Optional) -- Commercial asphalt saturated felt, 0.030 in. thick.
Finish Flooring - Floor Topping Mixture* -- Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.4 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand with 5-1/2 gal of water.
ELASTIZELL CORP OF AMERICA -- Type FF

System No. 6
Subflooring -- Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier-(Optional) -- Commercial asphalt saturated felt, 0.030 in. thick.
Finish Flooring - Floor Topping Mixture* -- Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.2 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand with 5-1/2 gal of water.
CELLULAR CONCRETE L L C -- Floor Topping Mixture

System No. 7
Subflooring -- Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier -- (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Finish Flooring - Floor Topping Mixture* -- Min 1 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.4 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 62.5 lbs of Pea Gravel, 312.5 lbs of sand with 5-1/2 gal of water.
LITE-CRETE INC -- Type I

System No. 8
Subflooring -- Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier -- **(Optional)** -- Commercial asphalt saturated felt, 0.030 in. thick.
Floor Mat Materials* -- (Optional) - Nom 1/4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. When floor mat material is used, min thickness of floor topping mixture is 1 in.
MAXXON CORP -- Type Acousti-Mat II
Alternate Floor Mat Materials* - (Optional) - Nom 0.8 in. thick floor mat material loose laid over the subfloor with Crack Suppression Mat (CSM) loose laid over the floor mat material. Floor topping mixture shall be min 1-1/2 in.
MAXXON CORP -- Type Acousti-Mat 3, Crack Suppression Mat (CSM)
Metal Lath (Alternate to Crack Suppression Mat (CSM)) - 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd loose laid over the floor mat material. Floor topping mixture shall be min 1-1/2 in.
Alternate Floor Mat Materials* - (Optional) -- Nom 0.4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping mixture shall be min 1-1/2 in.
MAXXON CORP -- Type Enkasonic 9110
Metal Lath (Optional) -- For use with floor mat materials, 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd or Maxxon Corp. UL Classified Crack Suppression Mat (CSM) loose laid over the floor mat material. Floor topping mixture shall be min 1 in.
MAXXON CORP -- Type Crack Suppression Mat (CSM)
Finish Flooring - Floor Topping Mixture* -- Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1000 psi. Mixture shall consist of 3 to 7 gal of water to 80 lbs of floor topping mixture to 1.0 to 2.1 cu ft of sand.
MAXXON CORP -- Types D-C, GC, GC2000, L-R, T-F, CT

System No. 9
Subflooring -- Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier -- (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Finish Flooring - Floor Topping Mixture* -- Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1000 psi. Mixture shall consist of 5 to 8 gal of water to 80 lbs of floor topping mixture to 2.1 cu ft of sand.
ULTRA QUIET FLOORS -- UQF-A, UQF-Super Blend, UQF-Plus 200
System No. 10
Subflooring -- Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier -- (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Floor Mat Materials* -- (Optional) - Nom 1/4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. When floor mat material is used, min thickness of floor topping mixture is 1 in.
MAXXON CORP -- Type Acousti-Mat II
Alternate Floor Mat Materials* - (Optional) - Nom 0.8 in. thick floor mat material loose laid over the subfloor with Crack Suppression Mat (CSM) loose laid over the floor mat material. Floor topping mixture shall be min 1-1/2 in.
MAXXON CORP -- Type Acousti-Mat 3, Crack Suppression Mat (CSM)
Metal Lath (Alternate to Crack Suppression Mat (CSM) - 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd loose laid over the floor mat material. Floor topping mixture shall be min 1-1/2 in.
Alternate Floor Mat Materials* - (Optional) -- Nom 0.4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping mixture shall be min 1-1/2 in.
MAXXON CORP -- Type Enkasonic 9110
Metal Lath (Optional) -- For use with floor mat materials, 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd or Maxxon Corp. UL Classified Crack Suppression Mat (CSM) loose laid over the floor mat material. Floor topping mixture shall be min 1 in.
MAXXON CORP -- Type Crack Suppression Mat (CSM)
Finish Flooring - Floor Topping Mixture* -- Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1200 psi. Mixture shall consist of 4 to 7 gal of water mixed with 80 lbs of floor topping mixture and 1.4 to 1.9 cu ft of sand.
RAPID FLOOR SYSTEMS -- Types RF, RFP, RFU, RFR, Ortecrete

System No. 11
Subflooring -- Min 1 by 6 in. T & G lumber fastened diagonally to trusses, or min 15/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to trusses with joints staggered.
Finish Floor - Mineral and Fiber Board* -- Min 1/2 in. thick, supplied in sizes ranging from 3 ft by 4 ft to 8 ft by 12 ft. All joints to be staggered a min of 12 in. with adjacent sub-floor joints.
HOMASOTE CO -- Type 440-32 Mineral and Fiber Board

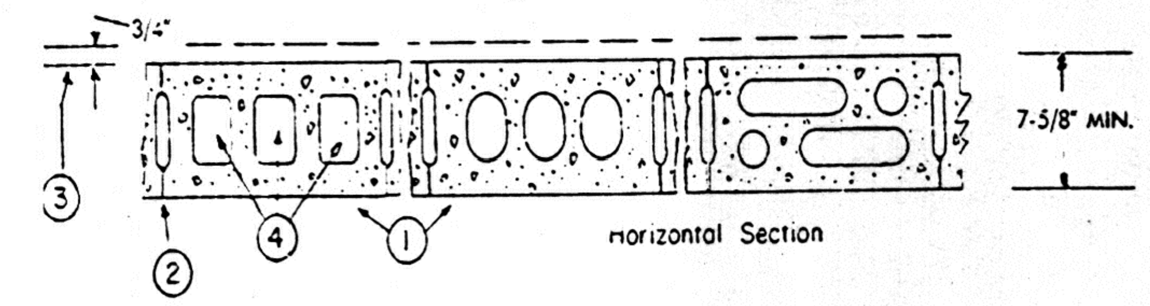
System No. 12
Subflooring -- Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier -- (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Floor Mat Materials* -- (Optional) - Min 3/8 in. to max 3/4 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under Floor Topping Mixture.
UNITED STATES GYPSUM CO -- Levelrock Brand Sound Reduction Board
Alternate Floor Mat Materials* -- (Optional) - Nom 1/4 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under **Floor Topping Mixture.**
UNITED STATES GYPSUM CO -- Levelrock Brand Floor Underlayment SRM-25
Alternate Floor Mat Materials* -- (Optional) - Nom 3/8 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under **Floor Topping Mixture.**
SOLUTIA INC -- Type SC50
Finish Flooring - Floor Topping Mixture* -- Min 1/2 in. thickness of floor topping mixture having a min compressive strength of 3000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
UNITED STATES GYPSUM CO -- Type HSLRK

System System No. 13
Subflooring -- Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier -- (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Finish Flooring - Floor Topping Mixture* -- Min 3/4 in. thickness of floor topping having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
ALLIED CUSTOM GYPSUM PLASTERWORKS LLC -- Accu-Crete, AccuRadiant
Alternate Floor Mat Material* - (Optional) - Floor mat material nominal 2 - 9.5 mm thick loose laid over the subfloor. Floor topping shall be a min of 3/4 in.
ALLIED CUSTOM GYPSUM PLASTERWORKS LLC -- Type AccuQuiet P80, Type AccuQuiet C40, Type AccuQuiet RSM 20, Type AccuQuiet RSM 32, Type AccuQuiet RSM 48, Type AccuQuiet RSM 64, and Type AccuQuiet RSM 120

System No. 14
Subflooring -- Min 23/32 in. thick T & G wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with end joints staggered 4 ft. Panels secured to trusses with construction adhesive and No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.
Vapor Barrier -- (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Vapor Barrier -- (Optional) - Nom 0.010 in. thick commercial rosin-sized building paper.
Finish Flooring -- Min 3/4 in. thickness of lightweight insulating concrete with **Perlite Aggregate*** or **Vermiculite Aggregate***, or gypsum concrete.
See **Perlite Aggregate** (CFFX) and **Vermiculite Aggregate** (CJZZ) categories for names of manufacturers.
Floor Mat Materials* -- (Optional) - Nom. 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
KEENE BUILDING PRODUCTS CO INC -- Type Quiet Qurl 55/025
Alternate Floor Mat Materials* -- (Optional) - Floor mat material Nom. 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1-1/2 in.
KEENE BUILDING PRODUCTS CO INC -- Type Quiet Qurl 60/040
System No. 15

Subflooring -- Min 3/4 in. thick wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered. Long edges may be T & G or square.
Finish Flooring -- Floor Topping Mixture* -- Compressive strength to be 2500 psi min. Thickness to be 3/4 in. min. Refer to manufacturer's instructions accompanying the material for specific mix design.
ALPHA 7 GYPSUM L L C -- EarthSmart Gypsum Cement Commercial Floor Topping
Floor Mat Materials* -- (Optional)-- Floor mat material nom 1/4 in. thick adhered to subfloor with Alpha 7 Gypsum Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1 in. of floor-topping mixture.
ALPHA 7 GYPSUM L L C -- Type EarthSmart SCM WL.
Floor Mat Materials* -- (Optional)-- Floor mat material nom 6 mm thick adhered to subflo or with Alpha 7 Gypsum Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1 in. of floor-topping mixture.
ALPHA 7 GYPSUM L L C -- Type EarthSmart SCM RT.
2. Trusses -- Parallel chord trusses, spaced a max 24 in. OC, fabricated from nom 2 by 4 in. lumber with lumber oriented vertically or horizontally. Min truss depth is 12 in. Truss members secured together with min No. 20 MSG galv steel truss plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split-tooth-type plate. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approx 7/8 in. centers with four rows of teeth per in. of plate width.
3. **Furring Channels** -- Furring channels, 7/8 in. deep by 2-11/16 in. wide at the base and 1-7/16 in. wide at the face, formed from No. 25 ga galv steel, spaced 24 in. OC perpendicular to trusses. Channels secured to trusses with double strand of No. 18 SWG galv steel wire spaced 48 in. OC. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Two furring channels used at end joints of gypsum board (Item 4), each extending a min of 6 in. beyond both side edges of the board.
3A. **Resilient Channels** -- (Not Shown) - As an alternate to Item 3, resilient channel formed from No. 26 MSG galv steel, spaced 16 in. OC perpendicular to trusses. Channels secured to each truss with 1-1/4 in. long No. 6 Type S bugle head steel screw. Channels overlapped at splices 4 in. Two resilient channels used at end joints of gypsum board (Item 4), each extending a min of 6 in. beyond both side edges of the board.
3B. **Steel Framing Members*** -- (Optional, Not Shown) - Used as an alternate method to attach furring channels to trusses (Item 2). Clips spaced 48 in. OC. RSIC-1 clips secured to the bottom chord of alternating trusses with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. RSIC-V clips secured to the bottom chord of alternating trusses with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. Adjoining channels are overlapped as described in Item 3. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two min 7/16 in. long No. 6 self-tapping framing screws, at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 4. When Fiber, Sprayed (Item 6) is used, furring channel spacing reduced to 16 in. OC and two layers of nom 5/8 in. thick, 4 ft wide gypsum board shall be installed as described in Item 4.
PAC INTERNATIONAL INC -- Types RSIC-1, RSIC-V.
3C. **Steel Framing Members*** -- (Optional, Not Shown) - Used as an alternate method to attach furring channels to trusses. Clips spaced 48 in. OC., and secured to the bottom chord to alternating trusses with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 4. Two layers of gypsum board required as described in Item 4. Not evaluated for use with Item 6. When Item 3C is used and Batts and Blankets* are added per Section III Item 18 Blanket Insulation in the General Information of this Directory (BXUV), clips spaced 48 in. OC, furring channels spaced 16 in. OC max, 3-1/2 in. max. Batts and Blankets* secured to plywood subfloor with staples spaced 12 in. OC or to the trusses with 0.090 in. diam galv steel wires spaced 12 in. OC, and two layers of gypsum board required as described in Item 4A. When the Batts and Blankets* are draped over the furring channel/gypsum panel ceiling membrane, the clip spacing shall be reduced to 24 in. OC and secured to consecutive trusses, the furring channel spacing shall be reduced to 12 in. OC, and two layers of gypsum board required as described in Item 4A.
KINETICS NOISE CONTROL INC -- Type Isomax.
3D. **Steel Framing Members*** -- (Optional, Not Shown) - Used as an alternate method to attach min. 1/2 in. deep resilient channels (Item 3A) to trusses (Item 2). Resilient channels are friction fitted into clips, and then clips are secured to the bottom chord of each truss with a 1-3/4 in. long No. 6 Type S bugle head steel screw through the center hole of the clip and the resilient channel flange. Adjoining resilient channels are overlapped 4 in. under trusses. The clip flange is opened slightly to accommodate the two overlapped channels. Additional clips required to hold resilient channel that supports the gypsum board butt joints, as described in Item 4.
KEENE BUILDING PRODUCTS CO INC -- Type RC Assurance.
3E. **Steel Framing Members*** -- (Optional, Not Shown) - Used as an alternate method to attach furring channels to trusses. Clips spaced 48 in. OC. and secured to the bottom chord to alternating trusses with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 4. Two layers of gypsum board required as described in Item 4. Not evaluated for use with Item 6.
PLITEQ INC -- Type Genie Clip
4. **Gypsum Board*** -- One layer of nom 5/8 in. thick, 4 ft wide gypsum board, installed with long dimension perpendicular to furring or resilient channels. Gypsum board secured with 1 in. long No. 6 Type S bugle head steel screws spaced 12 in. OC and located a min of 1-1/2 in. from side and end joints. End joints secured to both resilient channels as shown in the end joint detail. When **Steel Framing Members**

Design No. U905
Bearing Wall Rating — 2 HR.
Nonbearing Wall Rating — 2 HR

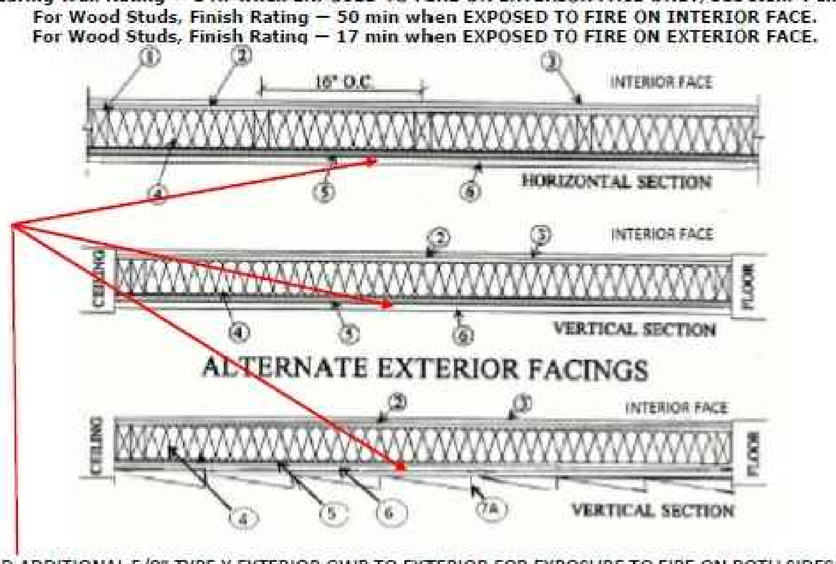


1. **Concrete Blocks*** — Various designs. Classification D-2 (2 hr). See **Concrete Blocks** category for list of eligible manufacturers.
2. **Mortar** — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
3. **Portland Cement Stucco or Gypsum Plaster** — Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).
4. **Loose Masonry Fill** — If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.
5. **Foamed Plastic*** — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
CELOTEX CORP —Type Thermax

*Bearing the UL Classification Marking

Design No. W408
BXUV.W408
Fire Resistance Ratings - ANSI/UL 263
Design/System/Construction/Assembly Usage Disclaimer
Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation
and use of UL Listed or Classified products, equipment, system, devices, and materials.
Authorities Having Jurisdiction should be consulted before construction.
Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for
compliance with applicable requirements. The published information cannot always address every construction nuance
encountered in the field.
When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the
product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide
Information for each product category and each group of assemblies. The Guide Information includes specifics concerning
alternate materials and alternate methods of construction.
Only products which bear UL's Mark are considered as Classified, Listed, or Recognized.
Fire Resistance Ratings - ANSI/UL 263

Design No. W408 Extended
SEE REPORT LP10288-03
March 26, 2012
Bearing Wall Rating — 2 Hr when EXPOSED TO FIRE ON INTERIOR FACE ONLY (W408 EXTENDED ALLOWS EXPOSURE TO FIRE ON BOTH SIDES WITH ADDITIONAL LAYER OF GWB ON EXTERIOR)
Bearing Wall Rating — 1 Hr when EXPOSED TO FIRE ON EXTERIOR FACE ONLY, see Item 4 and 6
For Wood Studs, Finish Rating — 50 min when EXPOSED TO FIRE ON INTERIOR FACE.
For Wood Studs, Finish Rating — 17 min when EXPOSED TO FIRE ON EXTERIOR FACE.



ADD ADDITIONAL 5/8" TYPE X EXTERIOR GWB TO EXTERIOR FOR EXPOSURE TO FIRE ON BOTH SIDES.

1. **Wood Studs** — Nom 2 by 4 in., spaced 16 in. OC with double 2 by 4 top and single 2 by 4 in, bottom plates, with 2 by 4 in. lateral bracing at 96 in. OC max. Studs effectively fire stopped.
2. **Gypsum Board*** — 5/8 in. thick, 4 ft. wide, two layers applied vertically. Base layer nailed to wood studs and bearing plates 6 in. OC, with 6d cup-head drywall nails, 1-7/8 in. long. The face layer, with joints staggered from base layer, nailed to the studs and bearing plates over the base layer, 8 in. OC, with 8d cuphead drywall nails, 2-3/8 in. long. Type W screws of the same length, head diameter, as the nails and at the spacing described for nails may be used instead of nails.
UNITED STATES GYPSUM CO — Type SCX
3. **Joints and Nail heads** — Gypsum board joints covered with tape and joint compound. Nail or screw heads covered with joint compound.
4. **Batts and Blankets*** — Unfaced mineral fiber insulation, 3-1/2 in. thick, nom 3.0 pcf, friction fit in the wall cavity between stud, plates, and cross bracing.
See **Batts and Blankets*** (BZJZ) category for names of Classified manufacturers.
4A. **Batts and Blankets*** — As an option to Item 4, when the Fire Resistance Rating is for a fire on the Interior Face only and the Fire Resistance Rating for the Exterior face is not required. Unfaced glass fiber insulation, 3-1/2 in. thick, nom 0.65 pcf, friction fit in the wall cavity between stud, plates, and cross bracing.
See **Batts and Blankets*** (BZJZ) category for names of Classified manufacturers.
5. **Building Units*** — Building units nailed to the wood framing with 1-7/8 in. long, 6d nails, spaced 6 in. OC. on the perimeter and 12 in. OC. in the field. Vertical joints centered on studs. Horizontal joints backed with nom. 2 by 4 wood blocking.
BARRIER TECHNOLOGY CORP — Type Blazeguard 2-Side
LOUISIANA-PACIFIC CORP — Type LP FlameBlock 2-Side
6. **Exterior Sidings** — One of the Exterior Siding as specified in Item 6A to Item 6D are required for 1 hr Fire Resistance Rating for fire from the Exterior Face, optional for 2 hr Fire Resistance Rating for fire from Interior Face.
6A. **Exterior Wood Siding** — Min 11/32 in. thick, 4 ft wide wood plywood siding panels or 7/16 in. thick, 4 feet wide OSB siding panel. Installed with long dimension of sheet (strength axis) or face grain parallel with studs. Vertical joints centered on studs. Horizontal joints over nom. 2 by 4 in. wood blocking. Attached to studs through the Building Units, Item 5, on the exterior side of wall with 8d nails, 2-1/2 in. long spaced 6 in. OC at perimeter of panels and 12 in. OC in the field.
6B. **Exterior OSB Lap Siding** — Min 7/16 in. thick, OSB lap siding fastened to studs through the Building Units, Item 5, with nails or screws, at the locations specified by the manufacturer.
6C. **Cementitious Stucco** — Portland cement or synthetic stucco systems with self-furring metal lath. Thickness from 3/8 in. to 3/4 in. depending on system, fastened to studs through the Building Units, Item 5, with nails or screws, at the locations specified by the manufacturer.
6D. **Fiber Cement Siding** — Fiber Cement Lap or Vertical Siding. Minimum 5/16 in. thick, fastened to studs through the Building Units, Item 5, with nails or screws, at the locations specified by the manufacturer.
7. **Exterior Facings** — Exterior Facing specified as Item 7A is not permitted for 1 hr Fire Resistance Rating for fire from the Exterior Face, optional for 2 hr Fire Resistance Rating for fire from Interior Face.
7A. **Vinyl Siding** — (Optional) - UL Classified exterior plastic siding (molded plastic), fastened to the building units or wood panel sheathing with nails or screws, at the locations specified by the manufacturer.

Coastal Architecture PLLC
- **Architectural Design**
- **Planning**
- **Interiors**

AIA
Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net

4206 Bridges St. Ext., Suite C
Morehead City, NC 28557

www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE
NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

COASTAL ARCHITECTURE pllc · REGISTERED ARCHITECTURAL CORPORATION · CERT. NO. 51792 · NORTH CAROLINA · MOREHEAD CITY, NC

LEE D. DIXON, JR. · REGISTERED ARCHITECT · 6419 · NORTH CAROLINA · MOREHEAD CITY, N.C.

UL DETAILS

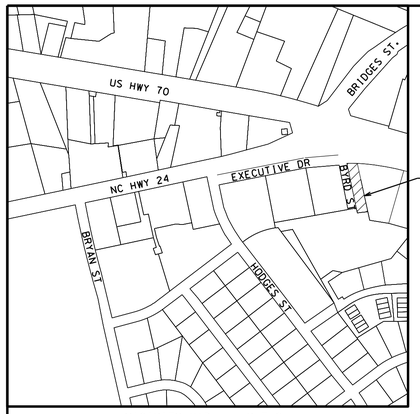
18004

ISSUED:	8/10/18
DWG BY:	MES
CKD BY:	LDD
REVISIONS	

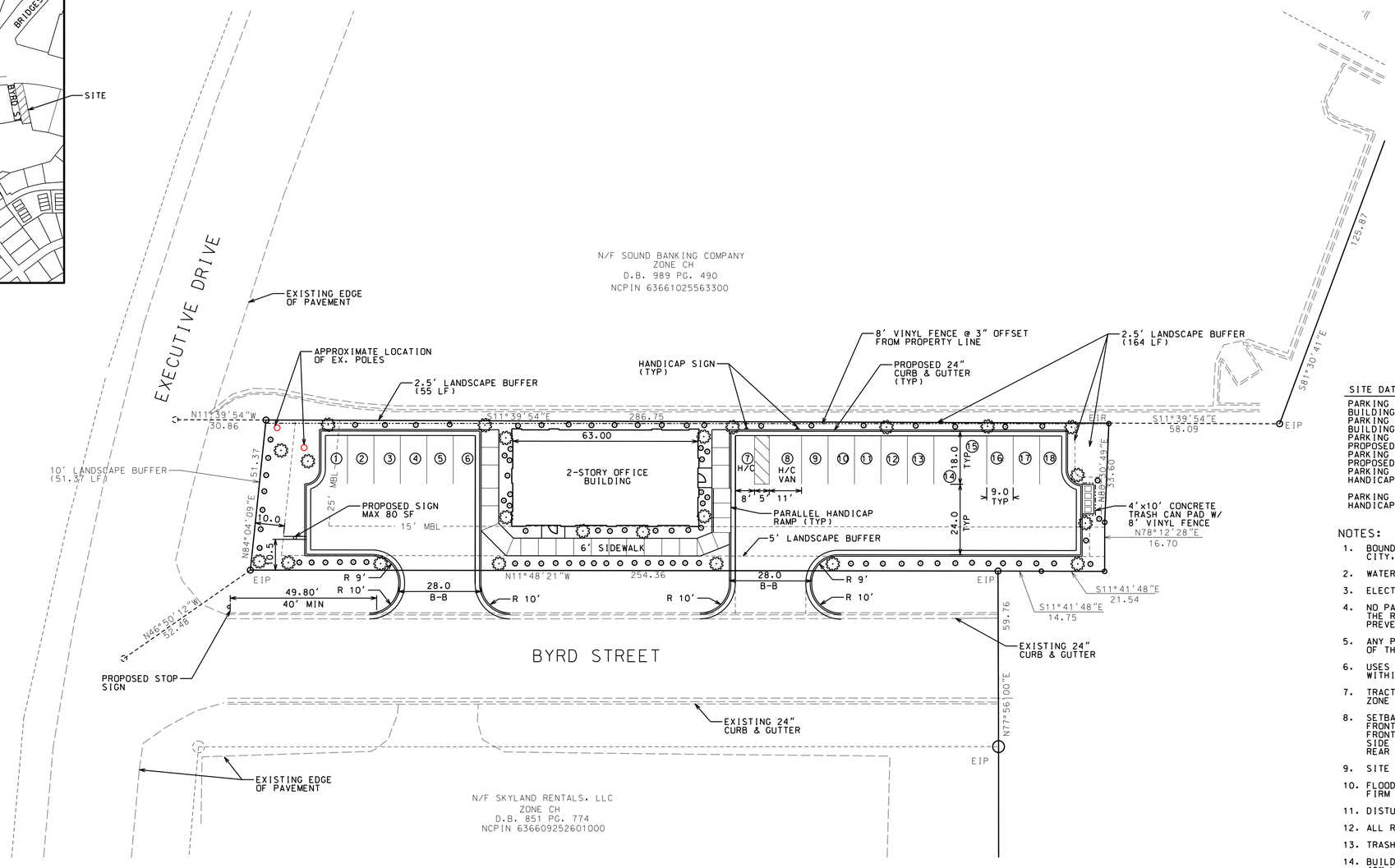
SHEET NO.
G-3
OF

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

R:\2018\18004 East Coast Hearing and Balance\Current\G-3 UL DETAILS.dwg, 9/4/2018 4:27:56 PM, DWG To PDF.pc3



VICINITY MAP N.T.S.



SHEET INDEX

SHEET 1 - SITE & LANDSCAPE PLAN
SHEET 2 - GRADING PLAN
SHEET 3 - UTILITY PLAN
SHEET 4 - DETAILS

NORTH

SITE DATA

PARKING REQUIREMENTS PER ARTICLE 20
BUILDING USE: OFFICE
PARKING REQ'D: 1 SPACE PER 250 SF BUILDING
BUILDING USE: MEDICAL OFFICE
PARKING REQ'D: 1 SPACE PER 200 SF BUILDING
PROPOSED BUILDING = 1ST FLOOR, 2,000 SF MEDICAL OFFICE
PARKING REQUIRED = 10 SPACES
PROPOSED BUILDING = 2ND FLOOR, 2,000 SF OFFICE
PARKING REQUIRED = 8 SPACES
HANDICAP SPACES REQUIRED = 1 SPACE

PARKING PROVIDED = 18 SPACES
HANDICAP SPACES PROVIDED = 2 SPACES

NOTES:

1. BOUNDARY SURVEY DONE BY STROUD ENGINEERING, P.A. OF MOREHEAD CITY, NC.
2. WATER AND SEWER TO BE PROVIDED BY THE TOWN OF MOREHEAD CITY.
3. ELECTRIC TO BE PROVIDED BY PROGRESS ENERGY.
4. NO PARKING - FIRE LANE SIGNS TO BE INSTALLED PER THE REQUIREMENTS OF THE NORTH CAROLINA FIRE PREVENTION CODE.
5. ANY PROPOSED SIGN TO BE DESIGNED PER THE REQUIRMENTS OF THE TOWN OF MOREHEAD CITY ORDINANCE.
6. USES FOR BUILDINGS AS SHOWN OR AS OTHER PERMITTED USES WITHIN ZONE
7. TRACT = 0.34 AC
   ZONE = CH
8. SETBACKS
   FRONT = 25' (EXECUTIVE DRIVE)
   FRONT = 15' (BYRD STREET)
   SIDE = 0'
   REAR = 0'
9. SITE IS WITHIN THE WHITE OAK RIVER BASIN
10. FLOOD ZONES ARE SHADED X
    FIRM NUMBERS - 3720636600J
11. DISTURBED AREA = 0.34 AC
12. ALL RADII ARE 5.0' UNLESS OTHERWISE NOTED.
13. TRASH REMOVAL BY ROLL OUT CARTS. MAXIMUM 4 CARTS.
14. BUILDING FOOTPRINT = 2,000 SF. MAXIMUM ALLOWED FOOTPRINT = 40% LOT AREA = 40% X 14,810.40 SF = 5,924.16 SF. FOOTPRINT IS ACCEPTABLE.
15. SITE LIGHTING TO BE PROVIDED BY DUKE ENERGY.

LEGEND

(16)	PARKING SPACE COUNT
EIP	EXISTING IRON PIPE
EIR	EXISTING IRON ROD
H/C	HANDICAP PARKING SPACE
MBL	MINIMUM BUILDING LINE

REVISIONS:

No.	BY	DATE	DESCRIPTION

MOREHEAD CITY LANDSCAPE ORDNANCE SECTION 15-1

UNDERSTORY TREES

ANY TREE THAT IS NORMALLY LESS THAN TWENTY-FIVE (25) FEET IN HEIGHT AT MATURITY, BUT THAT STILL PROVIDES SHADE AND A DEGREE OF PROTECTION TO THE EARTH AND VEGETATION BENEATH IT. EXAMPLES OF RECOMMENDED UNDERSTORY TREES ARE INCLUDED IN SECTION 15-1.7 OF THIS ORDINANCE. NEW SINGLE-TRUNK UNDERSTORY TREES SHALL BE AT LEAST 0.75 INCHES CALIPER MEASURED AT FOUR AND ONE-HALF(4-1/2) FEET ABOVE THE GROUND. MULTIPLE-TRUNK UNDERSTORY TREES SHALL HAVE AT LEAST THREE TRUNKS AND BE AT LEAST EIGHT FEET IN HEIGHT.

1. AMERICAN HOLLY
2. CAROLINA CHERRY LAUREL
3. CREPE MYRTLE
4. DWARF PALMETTO
5. EASTERN REDBUD
6. EVE'S NECKLACE
7. FIG TREE
8. FLORIDA ANISE TREE
9. FLOWERING CRAB APPLE
10. FLOWERING DOGWOOD
11. HEDGE MAPLE
12. IRONWOOD
13. JAPANESE MAPLE
14. LOQUAT
15. PERSIMMON
16. RED BUCKEYE
17. RIVER BIRCH
18. SAVANNAH HOLLY
19. SERVICEBERRY
20. STAR MAGNOLIA
21. SWEET BAY MAGNOLIA
22. TRIDENT MAPLE
23. WAX MYRTLE
24. WILD TEA OLIVE
25. WITCHHAZEL
26. YAUPON HOLLY

CANOPY TREES

ANY TREE THAT IS NORMALLY MORE THAN FORTY (40) FEET IN HEIGHT AT MATURITY THAT PROVIDES SHADE FROM ITS FOLIAGE MASS; ALSO INDIVIDUAL OR TREE GROUPS FORMING AN OVERHEAD COVER. RECOMMENDED CANOPY TREES ARE INCLUDED IN SECTION 15-1.7 OF THIS ORDINANCE. CANOPY TREES SHOULD BE LOCATED SO AS TO MINIMIZE POTENTIAL INTERFERENCE WITH UTILITIES AND AVOID SIGHT OBSTRUCTIONS. NEW CANOPY TREES SHALL BE AT LEAST ONE AND ONE-HALF(1 1/2) INCHES IN DIAMETER MEASURED FOUR AND ONE-HALF(4-1/2) FEET ABOVE THE GROUND AND AT LEAST TEN (10) FEET IN HEIGHT.

1. AMERICAN BEECH
2. ATLANTIC WHITE CEDAR
3. BALD CYPRESS
4. BLACK GUM
5. CREPE MYRTLE, LARGE VARIETIES
6. DAWN REDWOOD
7. DEODAR CEDAR
8. EASTERN REDCEDAR
9. GIANT ARBOR VITAE
10. GINKGO MAIDENHAIR TREE
11. GREEN ASH
12. HICKORY
13. HONEY LOCUST
14. JAPANESE BLACK PINE
15. LACEBARK ELM
16. LOBLOLLY PINE
17. OAKS
18. RED MAPLE
19. RIVER BIRCH
20. SASSAFRAS
21. SOUTHERN MAGNOLIA
22. SWEET GUM
23. SYCAMORE
24. TULIP POPLAR

SHRUBS

A WOODY PLANT OR BUSH, RELATIVELY LOW HEIGHT (TWO (2) TO SIX (6) FEET) DISTINGUISHED FROM A TREE BY HAVING SEVERAL STEMS RATHER THAN A SINGLE TRUNK. NEW SHRUBS SHOULD BE AT LEAST 15" IN HEIGHT.

LEGEND

UNDERSTORY TREE
SHRUB

PLANT REQUIREMENTS

PER 12 PARKING SPACES. 1 CANOPY TREE OR 2 UNDERSTORY TREES PER 12 SPACES IN AN ISLAND OR AT THE ENDS OF PARKING.

10' LANDSCAPE BUFFER ALONG EXECUTIVE DRIVE.
1 CANOPY TREE OR 2 UNDERSTORY TREES AND 12 SHRUBS PER 100 LINEAR FOOT.

5' LANDSCAPE BUFFER ALONG BYRD STREET.
1 CANOPY TREE OR 2 UNDERSTORY TREES AND 12 SHRUBS PER 100 LINEAR FOOT.

2.5' LANDSCAPE STRIP ALONG OFF-STREET PARKING AND ACCESS AREAS. 1 CANOPY TREE OR 2 UNDERSTORY TREES, 6 SHRUBS AND APPROPRIATE GROUND COVER PER ARTICLE 15 PR 100 LINEAR FOOT.

PROPOSED PLANTINGS

51.37 LF ALONG EXECUTIVE DRIVE = 2 UNDERSTORY TREES AND 7 SHRUBS
290.64 LF ALONG BYRD STREET = 6 UNDERSTORY TREES AND 35 SHRUBS
55 LF ALONG NORTH PARKING AREA = 2 UNDERSTORY TREES AND 4 SHRUBS
164 LF ALONG SOUTH PARKING AREA = 4 UNDERSTORY TREES AND 10 SHRUBS
18 PARKING SPACES = 3 UNDERSTORY TREES AT ENDS OF PARKING ROW

TOTAL PROPOSED LANDSCAPING PER ARTICLE 15 =
17 UNDERSTORY TREES AND 56 SHRUBS

ADDITIONAL LANDSCAPING AROUND BUILDING PERIMETER =
6 UNDERSTORY TREES AND 30 SHRUBS

20' 10' 0 20' 40'
SCALE: 1"=20'

SITE & LANDSCAPE PLAN

EAST COAST HEARING AND BALANCE, INC.

5041 EXECUTIVE DRIVE

MOREHEAD CITY TWSP., CARTERET COUNTY, NORTH CAROLINA

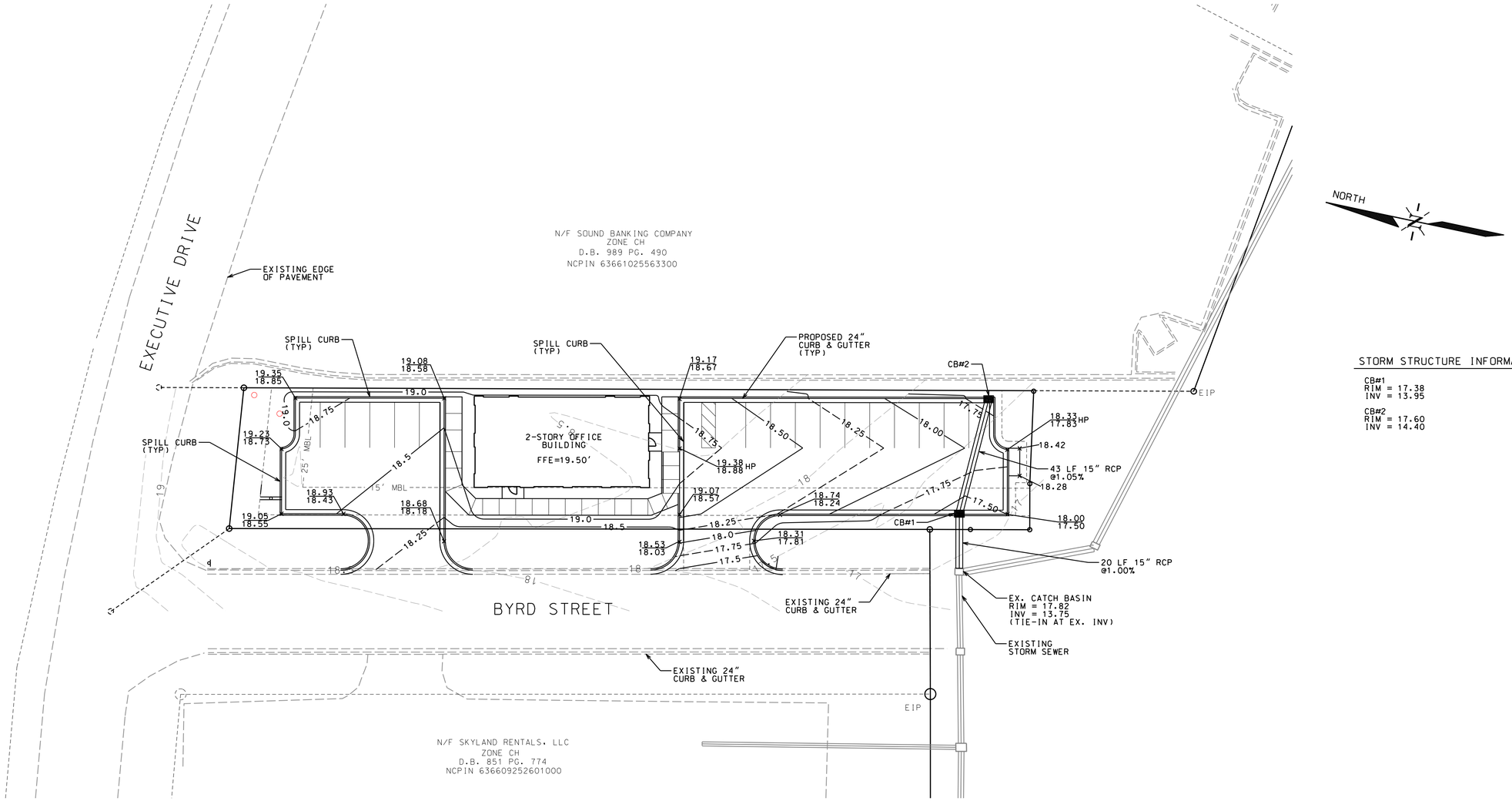
CLIENT: EAST COAST HEARING AND BALANCE, INC.
ADDRESS: 5000 US HWY 70 MOREHEAD CITY, NC 28557
PHONE: 252-773-0636

THE CULLIPHER GROUP, P.A.
ENGINEERING & SURVEYING SERVICES
151A HIGHWAY 24
MOREHEAD CITY, N.C. 28557
(252) 773-0090 LICENSE NO. C-4482
CHARLES M. CULLIPHER, P.E.

NORTH CAROLINA PROFESSIONAL SEAL 037378 ENGINEER CHARLES M. CULLIPHER 8/14/18

DESIGNED: CMC
DRAWN: CMC
CHECKED: RDC
APPROVED: CMC
DATE: 8/14/18
SCALE: 1"=20'

SHEET #1 OF 4
PROJECT #:PM2639'-001
DESIGN FILE #:Construction Drawings.dgn



STORM STRUCTURE INFORMATION

CB#1
RIM = 17.38
INV = 13.95

CB#2
RIM = 17.60
INV = 14.40

NOTE:
ALL CURB AND GUTTER SHALL BE STANDARD CATCHMENT TYPE EXCEPT FOR THE THREE SECTIONS LABELED AS SPILL CURB AS SHOWN ON THIS PLAN.
ROOF DRAINS SHALL CONNECT TO DOWNSPOUTS AND FLOW ONTO CONCRETE SPLASH PADS AWAY FROM BUILDING.

LEGEND

—18.50—	PROPOSED 1/2 FOOT CONTOUR
—-18.25—	PROPOSED 1/4 FOOT CONTOUR
	PROPOSED STORM DRAIN PIPE
—17.5—	EXISTING CONTOUR
	EXISTING STORM DRAINAGE
17.85 / 17.35	TOP & BOTTOM CURB ELEVATIONS

REVISIONS:

No.	BY	DATE	DESCRIPTION

20' 10' 0 20' 40'
SCALE: 1"=20'

GRADING PLAN
EAST COAST HEARING AND BALANCE, INC.
5041 EXECUTIVE DRIVE
MOREHEAD CITY TWSP., CARTERET COUNTY, NORTH CAROLINA

CLIENT: EAST COAST HEARING AND BALANCE, INC.
ADDRESS: 5000 US HWY 70 MOREHEAD CITY, NC 28557
PHONE: 252-773-0636

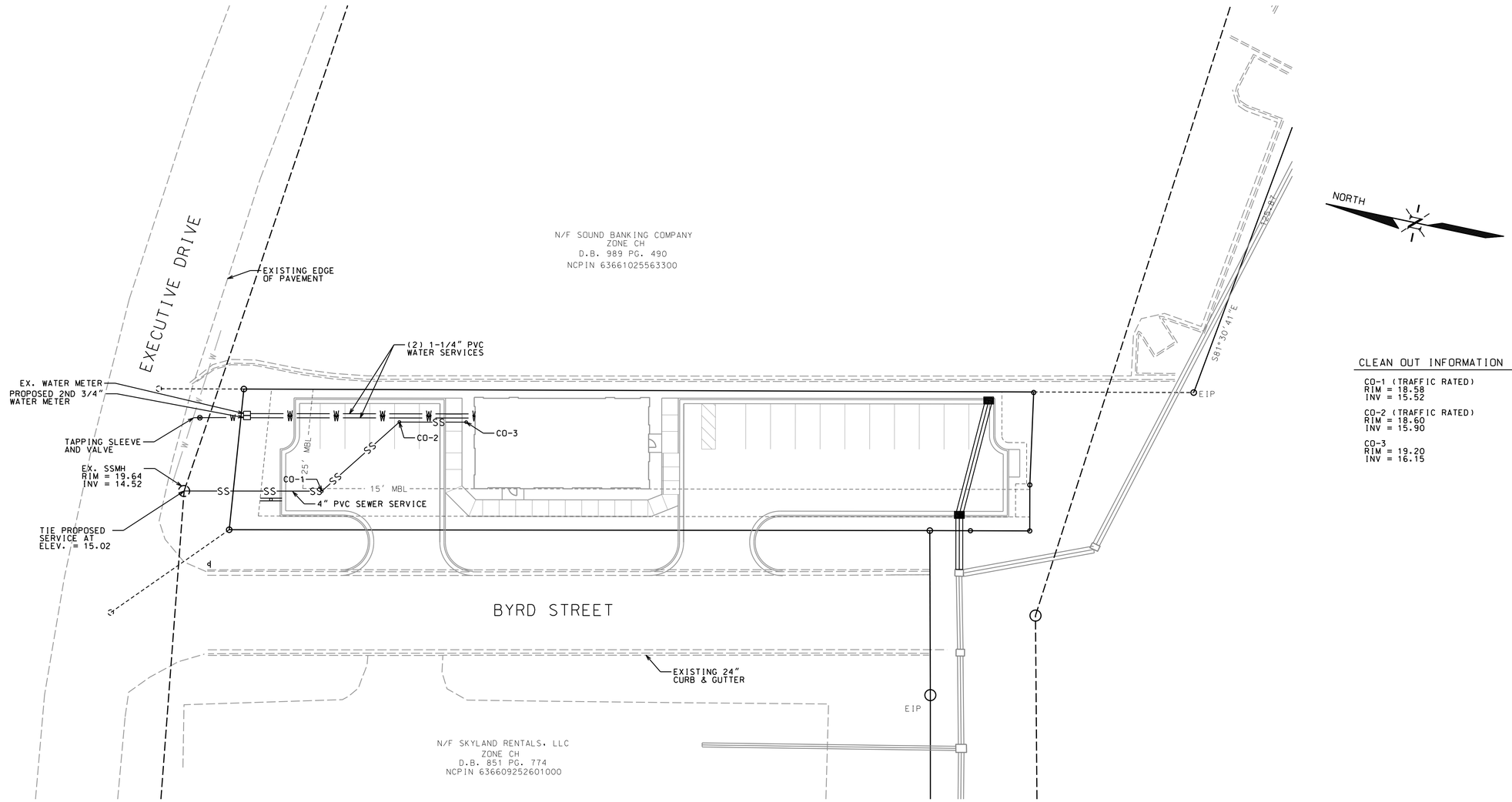
THE CULLIPHER GROUP, P.A.
ENGINEERING & SURVEYING SERVICES
151A HIGHWAY 24
MOREHEAD CITY, N.C. 28557
(252) 773-0090 LICENSE NO. C-4482

CHARLES M. CULLIPHER, P.E.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 037378 CHARLES M. CULLIPHER 8/14/18

DESIGNED: CMC
DRAWN: CMC
CHECKED: RDC
APPROVED: CMC
DATE: 8/14/18
SCALE: 1"=20'

SHEET #2 OF 4
PROJECT #:PM2639'-001
DESIGN FILE #:Construction Drawings.dgn



CLEAN OUT INFORMATION

CO-1 (TRAFFIC RATED)
RIM = 18.58
INV = 15.52

CO-2 (TRAFFIC RATED)
RIM = 18.60
INV = 15.90

CO-3
RIM = 19.20
INV = 16.15

NOTE:
TWO SEPARATE ELECTRIC METERS SHALL BE INSTALLED PER TOWN AND DUKE ENERGY REQUIREMENTS.

LEGEND

W	PROPOSED WATER SERVICE
SS	PROPOSED SEWER SERVICE
CO-#	PROPOSED CLEAN OUT

20' 10' 0 20' 40'
SCALE: 1"=20'

REVISIONS:

No.	BY	DATE	DESCRIPTION

UTILITY PLAN

EAST COAST HEARING AND BALANCE, INC.

5041 EXECUTIVE DRIVE

MOREHEAD CITY TWSP., CARTERET COUNTY, NORTH CAROLINA

CLIENT: EAST COAST HEARING AND BALANCE, INC.
ADDRESS: 5000 US HWY 70
MOREHEAD CITY, NC 28557
PHONE: 252-773-0636

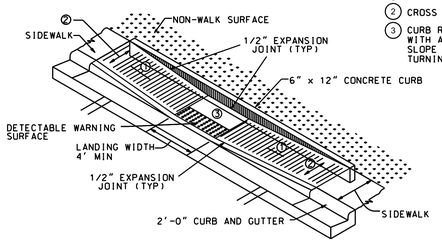
THE CULLIPHER GROUP, P.A.
ENGINEERING & SURVEYING SERVICES
151A HIGHWAY 24
MOREHEAD CITY, N.C. 28557
(252) 773-0090 LICENSE NO. C-4482

CHARLES M. CULLIPHER, P.E.

NORTH CAROLINA PROFESSIONAL SEAL 037378 ENGINEER CHARLES M. CULLIPHER 8/14/18

DESIGNED: CMC
DRAWN: CMC
CHECKED: RDC
APPROVED: CMC
DATE: 8/14/18
SCALE: 1"=20'

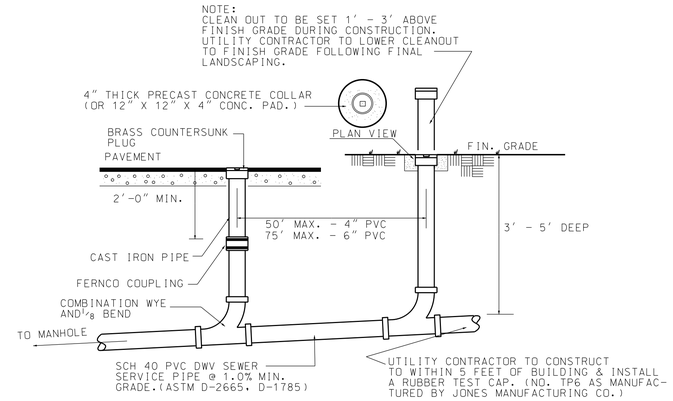
SHEET #3 OF 4
PROJECT #:PM2639'-001
DESIGN FILE #:Construction Drawings.dgn



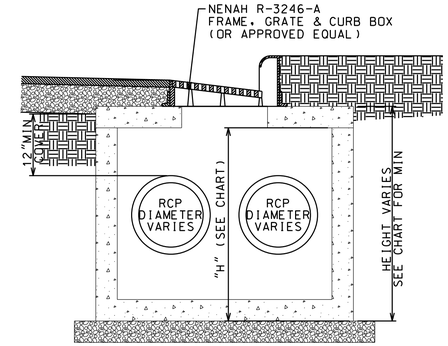
1. 8.33% (12:1) MAX RAMP SLOPE
2. CROSS SLOPE: 2.00%
3. CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

CONCRETE DEPTH	
RAMP	4"
LANDING	4"

PARALLEL HANDICAP CURB RAMP



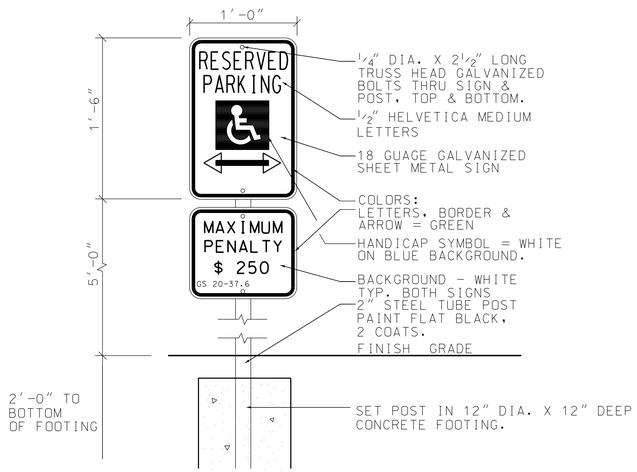
SANITARY SEWER CLEANOUT DETAIL



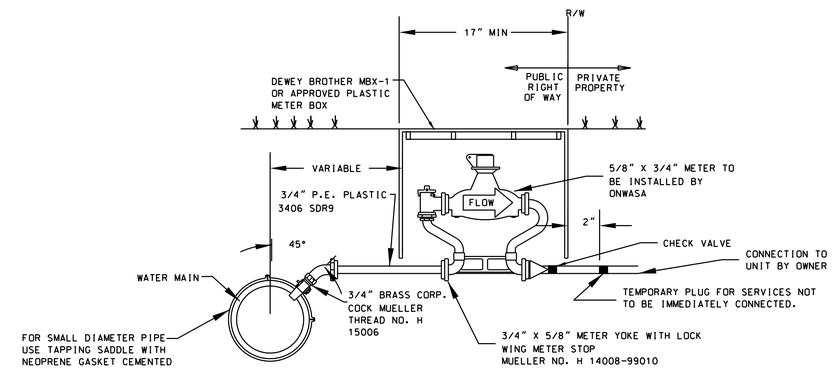
DIMENSION "H"	MAXIMUM PIPE DIAMETER		
	36"WALL	48"WALL	60"WALL
3'-6"	18"	18"	18"
4'-6"	24"	30"	30" OR DUAL 18"

CATCH BASIN

SCALE: NOT TO SCALE



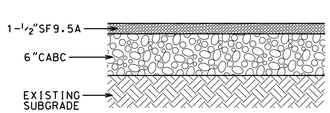
HANDICAP SIGN DETAIL



NOTE: METER BOX TO BE SUPPORTED ON BRICK OR BLOCK

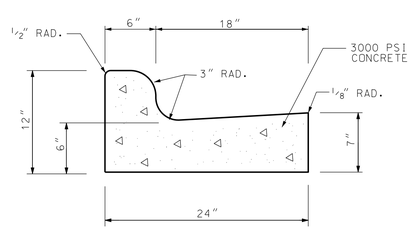
TYPICAL SERVICE CONNECTION AND METER

NOT TO SCALE

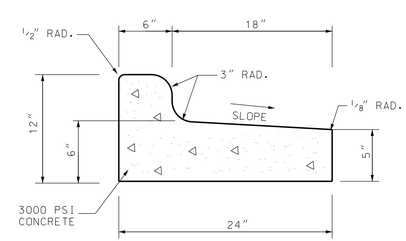


PARKING LOT PAVING

SCALE: NOT TO SCALE



STANDARD CURB & GUTTER (24")



SPILL GUTTER (24")

20' 10' 0 20' 40'

SCALE: 1"=20'

REVISIONS:

No.	BY	DATE	DESCRIPTION

DETAILS

EAST COAST HEARING AND BALANCE, INC.

5041 EXECUTIVE DRIVE

MOREHEAD CITY TWSP., CARTERET COUNTY, NORTH CAROLINA

CLIENT: EAST COAST HEARING AND BALANCE, INC.

ADDRESS: 5000 US HWY 70 MOREHEAD CITY, NC 28557

PHONE: 252-773-0636

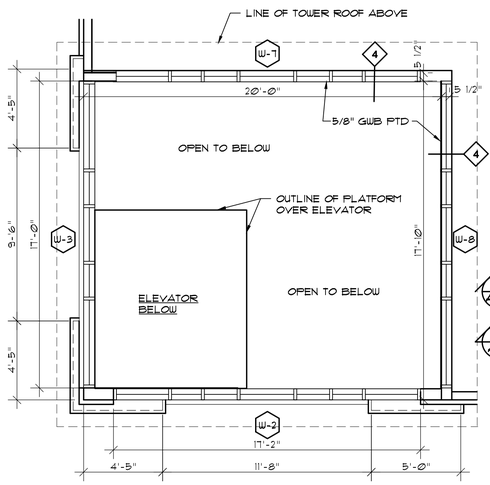
THE CULLIPHER GROUP, P.A.
ENGINEERING & SURVEYING SERVICES
151A HIGHWAY 24
MOREHEAD CITY, N.C. 28557
(252) 773-0090 LICENSE NO. C-4482

CHARLES M. CULLIPHER, P.E.

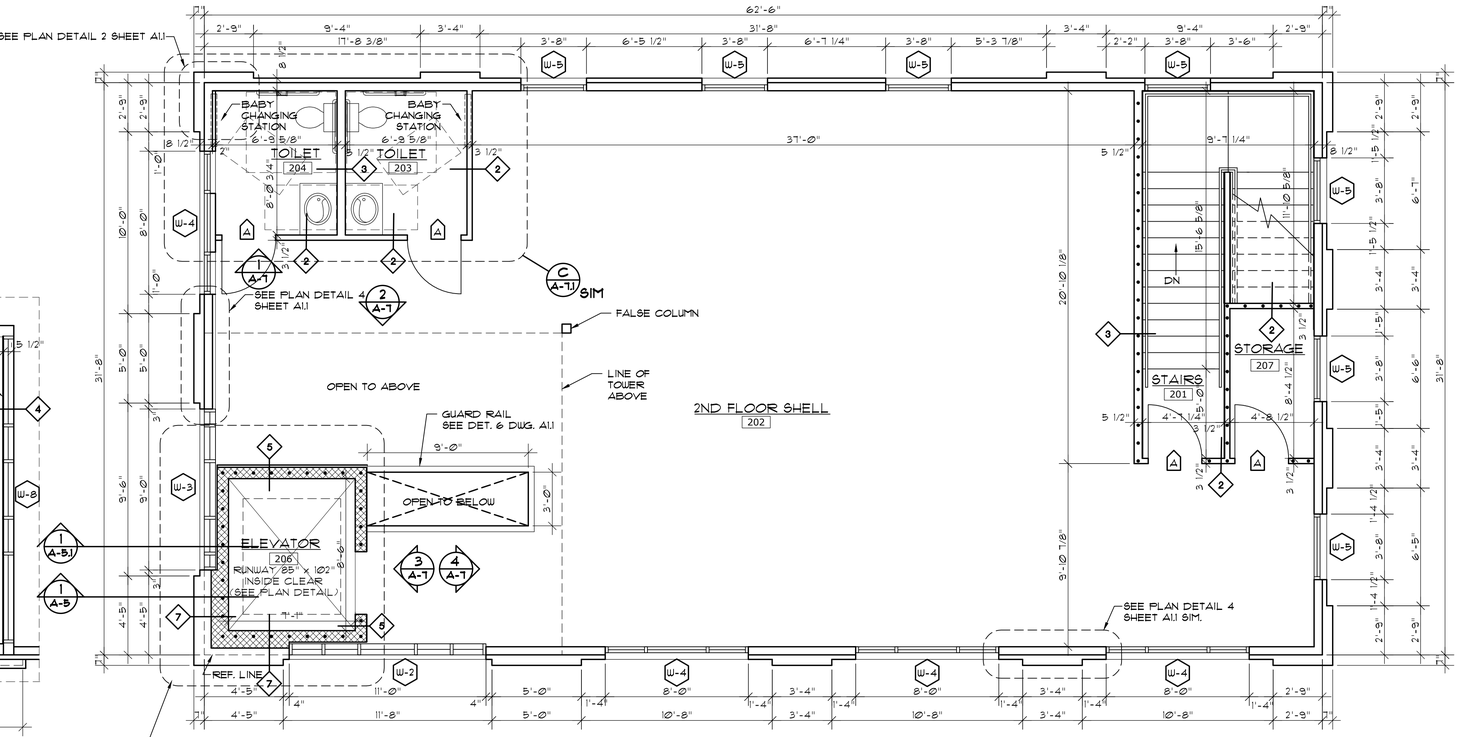
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 037378 CHARLES M. CULLIPHER 8/14/18

DESIGNED: CMC
DRAWN: CMC
CHECKED: RDC
APPROVED: CMC
DATE: 8/14/18
SCALE: 1"=20'

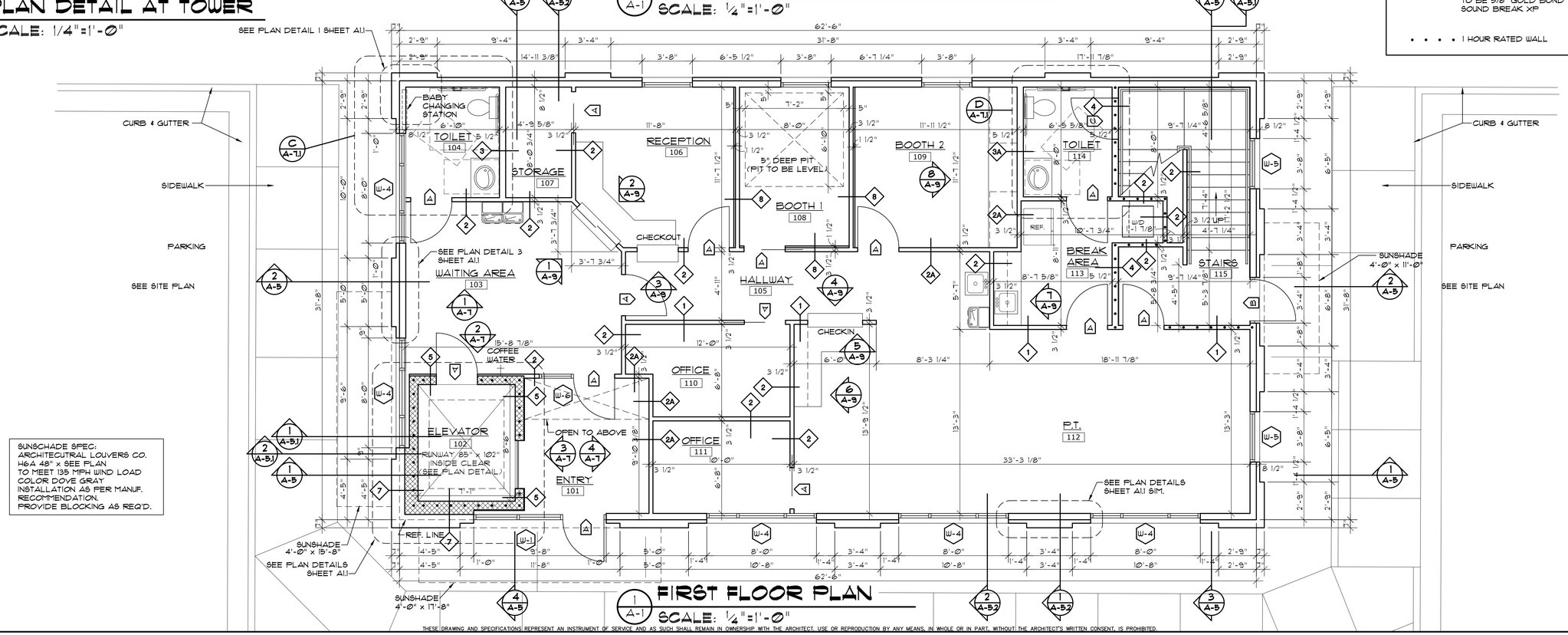
SHEET #4 OF 4
PROJECT #:PM2639'-001
DESIGN FILE #:Construction Drawings.dgn



A/A-1 PLAN DETAIL AT TOWER
SCALE: 1/4"=1'-0"



2/A-1 SECOND FLOOR PLAN
SCALE: 1/4"=1'-0"



SUNSHADE SPEC:
ARCHITECTURAL LOUVERS CO.
H6A 48" x SEE PLAN
TO MEET 135 MPH WIND LOAD
COLOR DOVE GRAY
INSTALLATION AS PER MANUF.
RECOMMENDATION.
PROVIDE BLOCKING AS REQ'D.

1/A-1 FIRST FLOOR PLAN
SCALE: 1/4"=1'-0"

WALL TYPE LEGEND

1 — 2X4 @ 16" O.C. INTERIOR LOADBEARING WALL FROM FLOOR TO STRUCTURE ABOVE (TYP.)

2 — 2X4 @ 16" O.C. INTERIOR NON-LOADBEARING WALL FROM FLOOR TO ABOVE CEILING BRACE TO STRUCTURE

2A — 2X4 @ 16" O.C. INTERIOR NON-LOADBEARING WALL FROM FLOOR TO STRUCTURE ABOVE (TYP.) W/ SOUND BATT INSULATION

3 — 2X6 @ 16" O.C. INTERIOR WALL NON-LOAD BEARING TO ABOVE CEILING -BRACE TO STRUCTURE

3A — 2X6 @ 16" O.C. INTERIOR WALL NON-LOAD BEARING TO STRUCTURE ABOVE (TYP.) W/ SOUND BATT INSULATION

4 — 2X6 @ 12" O.C. INTERIOR WALL LOAD BEARING TO STRUCTURE ABOVE (TYP.)

5 — 8" CONCRETE BLOCK W/ 5/8" GWB ON 7/8" MTL. FURRING @ 16" O.C.

7 — WD STUDS & CONCRETE BLOCK (SEE PLAN DETAILS FOR SIZES)

8 — 2X4 @ 16" O.C. INTERIOR W/ 5/8" GWB ON 7/8" HAT CHANNEL@ 16" O.C. ON ONE SIDE NON-LOADBEARING WALL FROM FLOOR TO STRUCTURE ABOVE (TYP.) W/ SOUND BATT INSULATION GWB ON BOTH SIDES OF WALL TO BE 5/8" GOLD BOND SOUND BREAK XP

• • • • 1 HOUR RATED WALL

Coastal Architecture PA

- Architectural Design
- Planning
- Interiors

AIA
Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net

4206 Bridges St. Ext., Suite C
Morehead City, NC 28557

www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

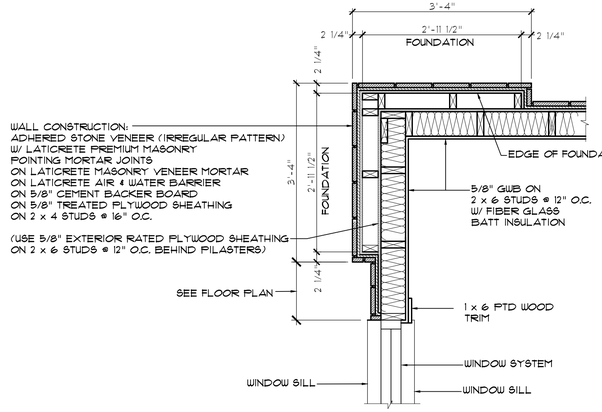
FLOOR PLANS

18004

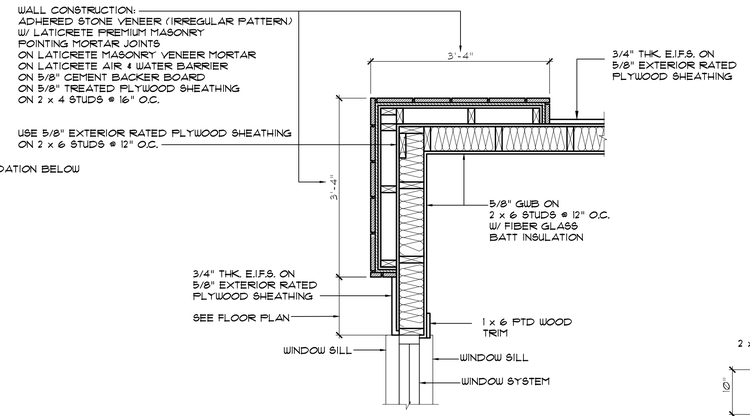
ISSUED: 8-10-18
DWG BY: LSA
CKD BY: LDD
REVISIONS

SHEET NO.
A-1
OF

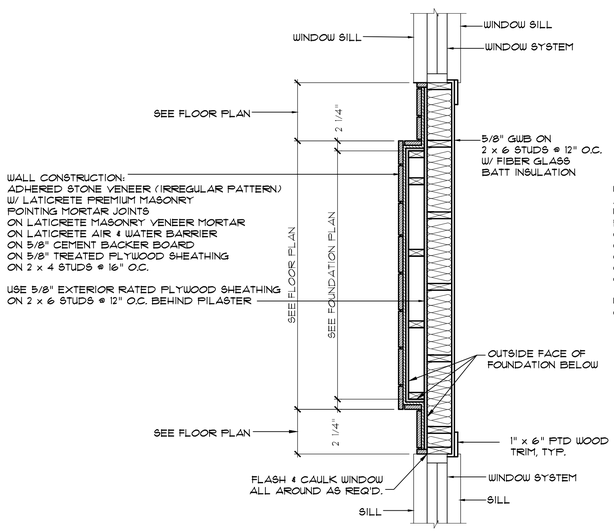
THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.



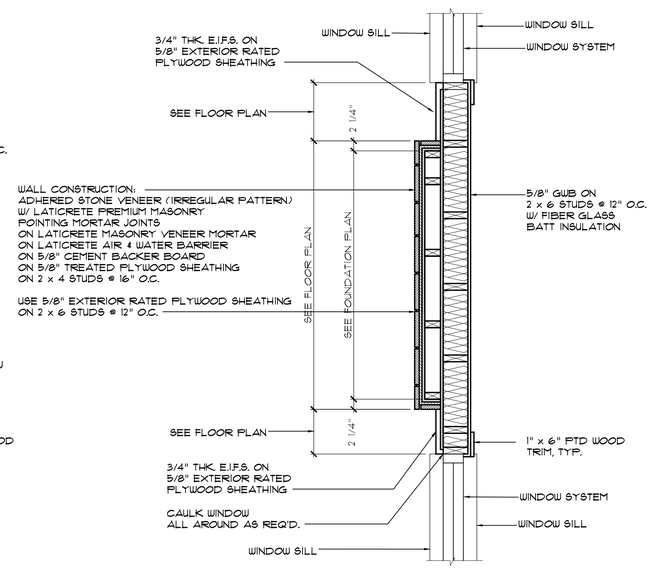
1 A-1.1 PLAN DETAIL
SCALE: 3/4"=1'-0"



2 A-1.1 PLAN DETAIL
SCALE: 3/4"=1'-0"

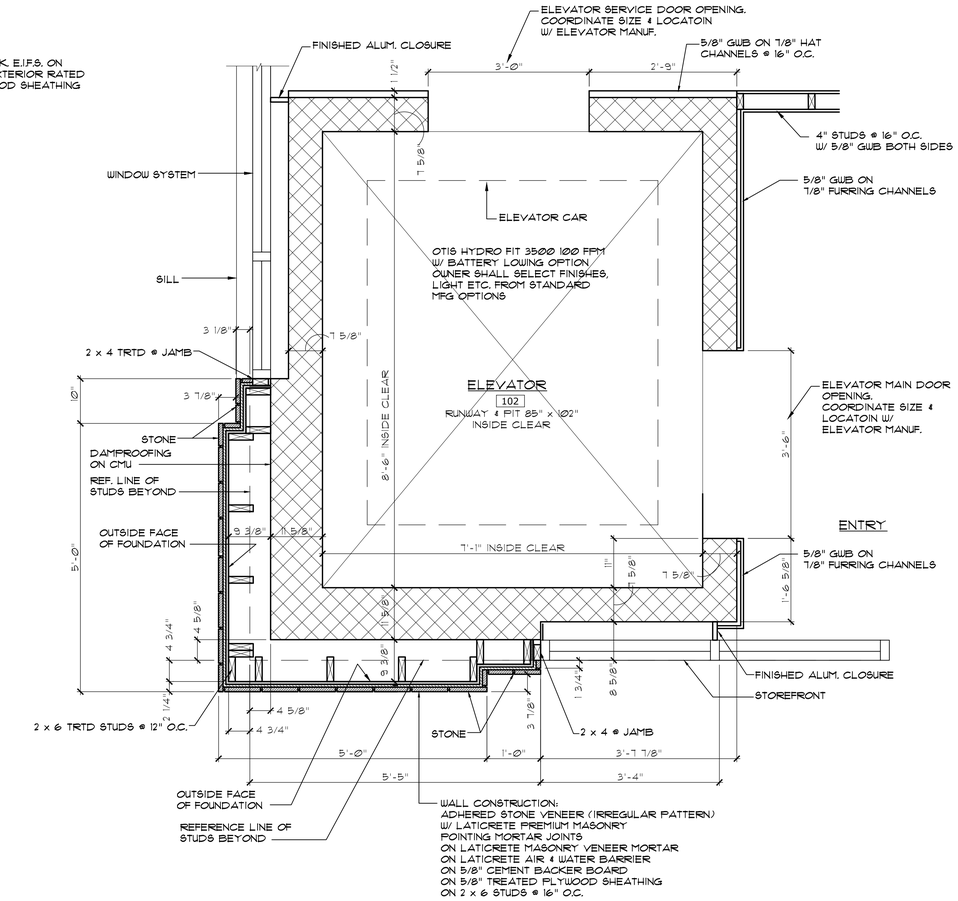


3 A-1.1 PLAN DETAIL
SCALE: 3/4"=1'-0"

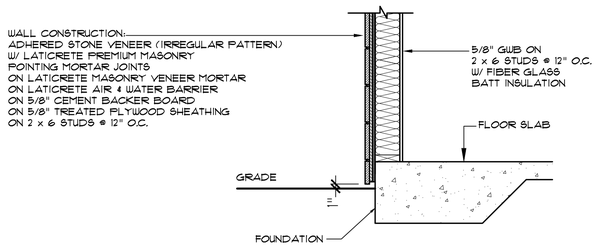


4 A-1.1 PLAN DETAIL
SCALE: 3/4"=1'-0"

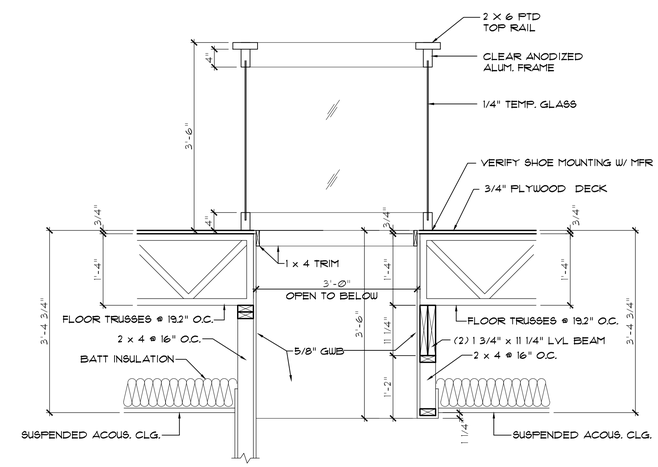
TYPICAL:
INSTALL STONE PER MANUF. RECOMMENDATIONS



5 A-1.1 PLAN DETAIL
SCALE: 3/4"=1'-0"



6 A-1.1 SECTION @ FOUNDATION
SCALE: 3/4"=1'-0"



8 A-1.1 DETAIL @ 2ND LEVEL FLOOR OPENING
SCALE: 3/4"=1'-0"

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

Coastal Architecture PLLC
• Architectural Design
• Planning
• Interiors
AIA
Member of the American Institute of Architects
Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net
4206 Bridges St. Ext., Suite C
Morehead City, NC 28557
www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE
NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

COASTAL ARCHITECTURE PLLC
CERTIFICATE OF AUTHORIZATION TO PRACTICE ARCHITECTURE
CERT. NO. 51792
MOREHEAD CITY, NORTH CAROLINA

LEE D. DIXON, JR.
REGISTERED ARCHITECT
6419
NORTH CAROLINA

ENLARGED FLOOR PLANS, DETAILS

18004

ISSUED:	8-10-18
DWG BY:	BLS
CKD BY:	LDD

REVISIONS

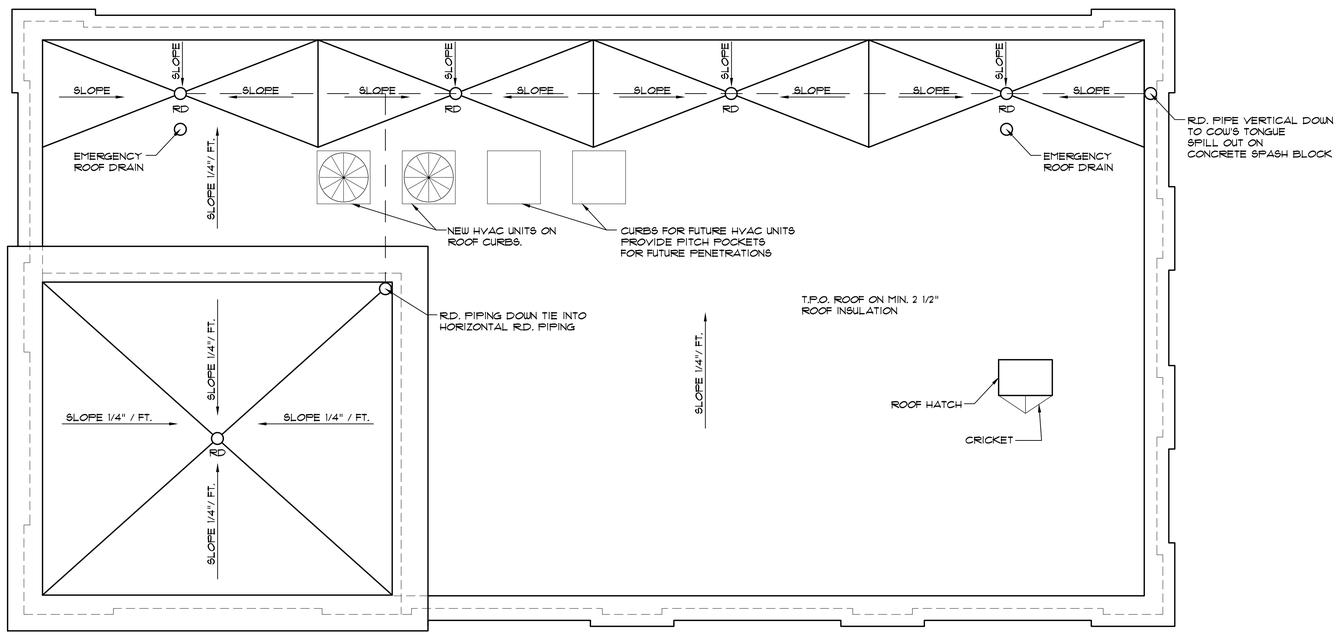
SHEET NO.
A-1.1
OF

TPO ROOFING SYSTEM AND DESIGN CRITERIA

1. PROVIDE COMPLETE SHOP DRAWINGS SHOWING ALL ATTACHMENTS, FLASHING, DETAILS, ETC. ALL ROOF SYSTEMS TO MEET REQUIRED WIND LOADS. SUBMIT TO ARCHITECT FOR APPROVAL.
2. PROVIDE 30 YEAR WARRANTY ON COMPLETE ROOF SYSTEM.
3. MEMBRANE: FIRESTONE ULTRAPLY PLATINUM TPO, .60" THICK, FULLY ADHERE
4. WALKWAY PAD: TPO ECO PAD. PROVIDE WALKWAY PAD AT ALL HATCHES, MECHANICAL EQUIPMENT AND GENERATOR
5. PARAPET COPING AND EDGE METAL SYSTEMS: FIRESTONE ANCHORGUARD PLATINUM FASCIA OR COPING SYSTEM
6. COORDINATE WITH SOLAR PANEL DESIGN BY OTHERS

GENERAL NOTES FOR ROOFING SYSTEMS & DESIGN CRITERIA

1. ROOF DRAINAGE IS SHOWN FOR GENERAL INFORMATION ONLY. SEE PLUMBING DRAWING FOR LOCATION AND SIZE. REFERENCE CIVIL DRAWINGS FOR ROOF DRAIN AND RDL TIRE IN.
2. OVERFLOW DRAINS TO DRAIN TO DAYLIGHT THROUGH EXTERIOR WALLS. TERMINATE OVERFLOW DRAINS WITH DECORATIVE 'SCUPPER'.
3. ALL ROOF TOP EQUIPMENT, PLUMBING, VENTS, CONDENSING UNITS, EXHAUST FANS, ETC,. ARE TO BE CONCEALED FROM VIEW BEHIND PARAPET WALLS
4. KEEP ROOF MOUNTED EQUIPMENT AWAY FROM ROOF EDGE TO REDUCE SIGHTLINES
5. PROVIDE POWER OUTLETS AROUND PERIMETER AND NEAR HVAC EQUIPMENT FOR SERVICING AND MAINTENANCE
6. INSIDE FACES OF PARAPETS TO BE CLAD IN TPO ROOFING MEMBRANE FROM FRONT EDGE OF TOP, OVER TOP AND DOWN BACKSIDE OF PARAPET
7. PROVIDE DOUBLE LAYER ROOF MEMBRANE UNDER WALKWAY PAD
8. SLOPE TOP OF PARAPETS TOWARDS ROOF AT 1/8" : 12"– TYPICAL.
9. PROVIDE CURBS AND VIBRATION ISOLATION BLOCKS AT ALL ROOF TOP EQUIPMENT.
10. ENSURE POSITIVE DRAINAGE TO ALL ROOF DRAINS AND OVERFLOW DRAINS. MAINTAIN A SLOP OF 1/4" MINIMUM.
11. ALL MECHANICAL DUCT WORK IS TO BE INSULATED IN WHITE WRAP TO MATCH ROOF COLOR
12. NO DUCTWORK OR EQUIPMENT IS TO BE VISIBLE FROM GROUND LEVEL
13. ENSURE STUBS AND COLLECTORS ARE INSTALLED DURING FOUNDATION INSTALLATION TO SUPPORT ROOF DRAINS.
14. SEE PLUMBING DRAWINGS FRO ROOF DRAIN AND OVERFLOW DRAIN DETAILS
15. REFERENCE MECHANICAL, ELECTRICAL, PLUMBING PLANS FOR PENETRATIONS AND EQUIPMENT. PROVIDE WALK SURFACE TO ALL EQUIPMENT FOR MAINTENANCE.
16. PROVIDE PRE–MANUFACTURED INTERIOR & EXTERIOR CORNER CAP/SLEEVE AT ALL CORNERS AND ROUND BOOTS AT ALL PIPE PENETRATIONS WITH TURN–DOWNS AS REQUIRED.
17. MECHANICAL EXHAUST ROOF PENETRATIONS TO RECEIVE SHOP FORMED ALUMINUM CHASE CAP. TYPICAL. SE P,M & E DRAWINGS.
18. CONTRACTOR TO PROVIDE TEMPORARY ROOF SYSTEM DURING CONSTRUCTION TO PROTECT CONSTRUCTION ACTIVITIES FROM MOISTURE DAMAGE PRIOR TO FULL BUILDING DRY–IN.



1 A1.2 **ROOF PLAN**
SCALE: 1/4"=1'-0"

Coastal Architecture PLLC

- Architectural Design
- Planning
- Interiors

AIA
Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net

4206 Bridges St. Ext., Suite C
Morehead City, NC 28557

www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

CONSULTING ARCHITECTURE/etc CERT. NO. 51792 REGISTERED ARCHITECTURAL CORPORATION MOREHEAD CITY, N.C.

REGISTERED PROFESSIONAL ENGINEER 6419 STATE OF NORTH CAROLINA MOREHEAD CITY, N.C.

ROOF PLAN

18004

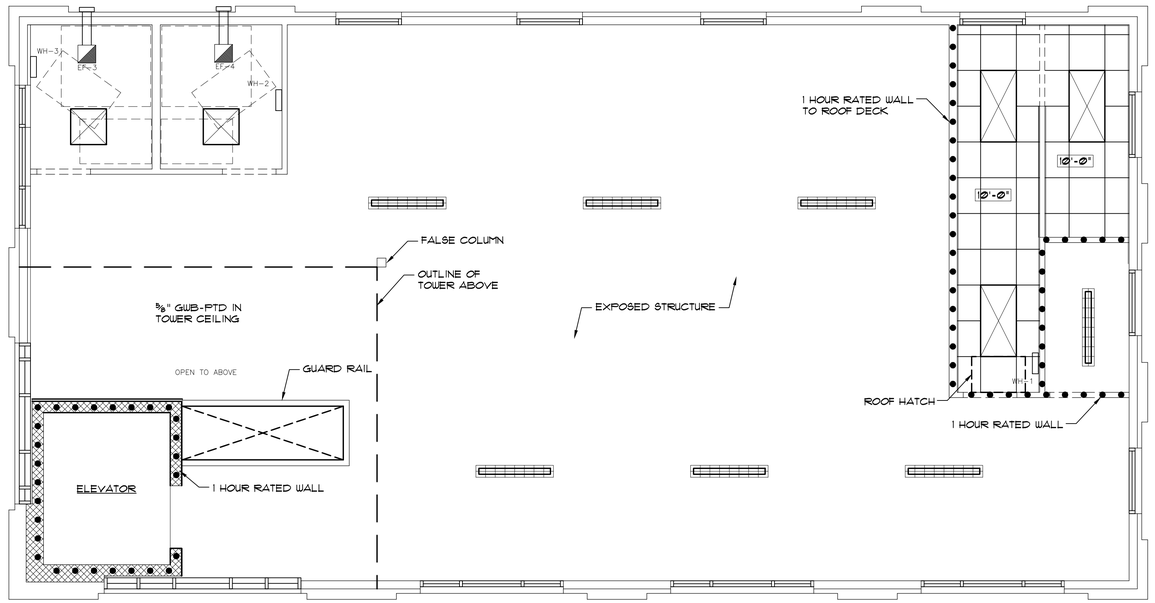
ISSUED:	08/10/18
DWG BY:	BLS
CKD BY:	LDD

REVISIONS

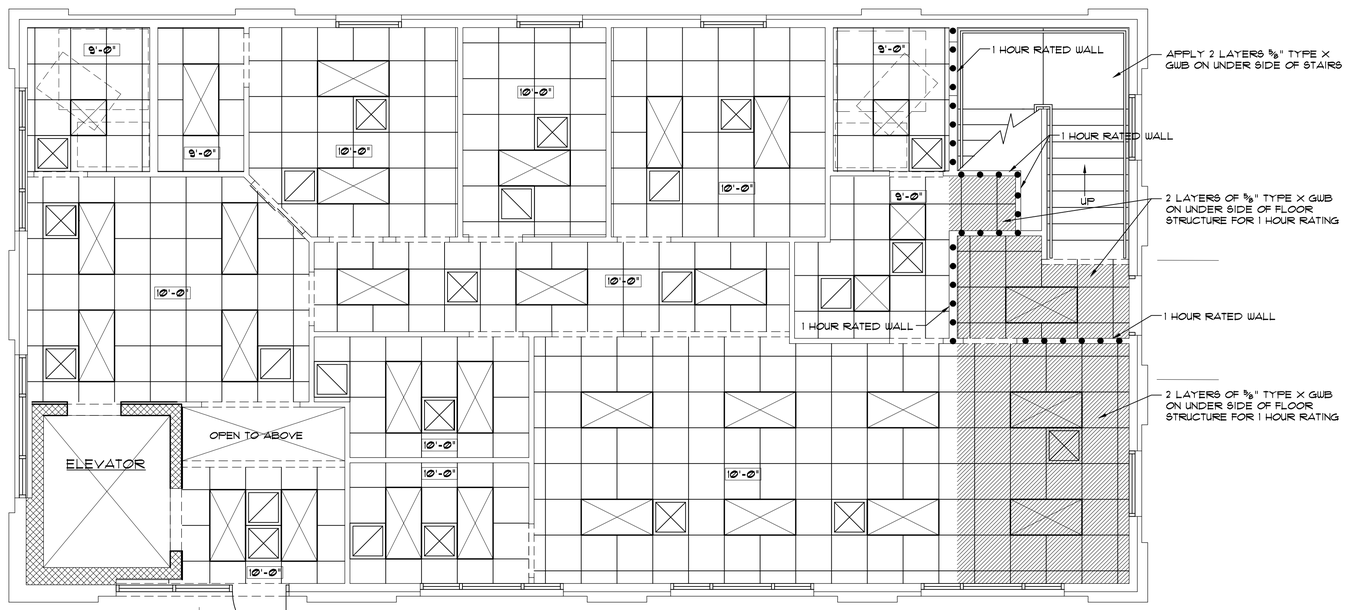
SHEET NO.
A–1.2
OF

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

R:\2018\18004 East Coast Hearing and Balance\Current A-1.2 ROOF PLAN.dwg, 9/4/2018 4:53:26 PM, DWG To PDF.pc3



2 / A-2 SECOND FLOOR REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



1 / A-2 FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

Coastal Architecture PA

- Architectural Design
- Planning
- Interiors

AIA
Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net

4206 Bridges St. Ext., Suite C
Morehead City, NC 28557

www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE
NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

COASTAL ARCHITECTURE PC CERT. NO. 31792 REGISTERED ARCHITECTURAL CORPORATION MOREHEAD CITY, N.C.

REGISTERED PROFESSIONAL ENGINEER 6419 LEE D. DIXON, JR. MOREHEAD CITY, N.C.

REFLECTED CEILING PLANS

18004

ISSUED:	08/10/18
DWG. BY:	BLS
CKD. BY:	LDD

REVISIONS

SHEET NO.
A-2
OF

ROOM FINISH SCHEDULE

ROOM NUMBERS	ROOM	FLOORS	BASE	WALLS	CEILINGS	HEIGHT (NOMINAL)	REMARKS
101	ENTRY	LVP	VINYL	GWB-PTD	SUSP. ACOUS. CLG.	10'-0"	
102	ELEVATOR	LVP	AS SELECTED FROM STANDARD MFG. FINISHES				
103	WAITING AREA	LVP	VINYL	GWB-PTD	SUSP. ACOUS. CLG.	10'-0"	
104	TOILET	TILE	TILE	GWB-PTD	SUSP. ACOUS. CLG.	9'-0"	
105	HALLWAY	LVP	VINYL	GWB-PTD	SUSP. ACOUS. CLG.	10'-0"	
106	RECEPTION	LVP	VINYL	GWB-PTD	SUSP. ACOUS. CLG.	10'-0"	
107	STORAGE	LVP	VINYL	GWB-PTD	SUSP. ACOUS. CLG.	9'-0"	
108	BOOTH 1	CARPET	VINYL	GWB-PTD	SUSP. ACOUS. CLG.	10'-0"	
109	BOOTH 2	CARPET	VINYL	GWB-PTD	SUSP. ACOUS. CLG.	10'-0"	
110	OFFICE	LVP	VINYL	GWB-PTD	SUSP. ACOUS. CLG.	10'-0"	
111	OFFICE	LVP	VINYL	GWB-PTD	SUSP. ACOUS. CLG.	10'-0"	
112	PT	LVP	VINYL	GWB-PTD	SUSP. ACOUS. CLG.	10'-0"	
113	BREAK AREA	LVP	VINYL	GWB-PTD	SUSP. ACOUS. CLG.	9'-0"	
114	TOILET	TILE	TILE	GWB-PTD	SUSP. ACOUS. CLG.	9'-0"	
115	STAIRS	LVP	VINYL	GWB-PTD	SUSP. ACOUS. CLG.	10'-0"	
201	STAIRS	RUBBER	-	GWB-PTD	SUSP. ACOUS. CLG.		
202	SHELL	PLYWOOD	-	EXPOSED	EXPOSED		NOTE:TOWER AREA TO BE FINISHED W/ ⅝" GWB-PTD
203	TOILET	PLYWOOD	-	EXPOSED	EXPOSED		
204	TOILET	PLYWOOD	-	EXPOSED	EXPOSED		
205	NOT USED						
206	ELEVATOR	LVP	AS SELECTED FROM STANDARD MFG. FINISHES				
207	STORAGE	LVP	VINYL	GWB-PTD	SUSP. ACOUS. CLG.		

ROOM FINISH SCHEDULE REMARKS

1. MOISTURE & MILDEW RESISTANCE ⅝" GWB REQUIRED ON ALL WALLS & CEILINGS U.O.N.

LVP TO BE SELECTED FROM MANNINGTON COMMERCIAL
NATURE'S PATH SELECT

S.A.T. TO BE ARMSTRONG CORTEGA
24" x 24" BEVELED TEGULAR

DOOR SCHEDULE

DOOR NO.	SIZE	DOOR MAT.	DOOR TYPE	FRAME MAT.	FRAME TYPE	REMARKS
101A	3'-0" X 7'-0"	ALUM	A	ALUM	W1	(1) SEE ELEVATION W-1
102A	3'-0" X 7'-0"	WD	B	HM	1	1 HOUR RATED (1)
103A	3'-0" X 7'-0"	ALUM	A	ALUM	W6	(1)
104A	3'-0" X 7'-0"	WD	B	HM	1	(1)
105A	3'-0" X 7'-0"	WD	C	HM	1	(1)
106A	3'-0" X 7'-0"	WD	B	HM	1	
107A	3'-0" X 7'-0"	WD	B	MTL		POCKET DOOR
108A	3-0" X 7'-0"	WD	B	MTL		POCKET DOOR
109A	3'-0" X 7'-0"	WD	B	HM	1	
110A	3'-0" X 7'-0"	WD	B	MTL		POCKET DOOR
111A	3'-0" X 7'-0"	WD	C	MTL		POCKET DOOR
113A	3'-0" X 7'-0"	WD	C	HM	1	(1)
114A	3'-0" X 7'-0"	WD	B	HM	1	(1)
115A	3'-0" X 7'-0"	WD	B	HM	1	(1) 1 HOUR RATED
115B	3'-0" X 7'-0"	ALUM	A	ALUM		1 HOUR RATED (1)
115C	3'-0" X 3'-0"	WD	D	HM	2	1 HOUR RATED (1)
201A	3'-0" X 7'-0"	WD	B	HM	1	(1) 1 HOUR RATED
203A	3'-0" X 7'-0"	WD	B	HM	1	(1)
204A	3'-0" X 7'-0"	WD	B	HM	1	(1)
207A	3'-0" X 7'-0"	WD	B	HM	1	1 HOUR RATED

(1) PROVIDE CLOSER

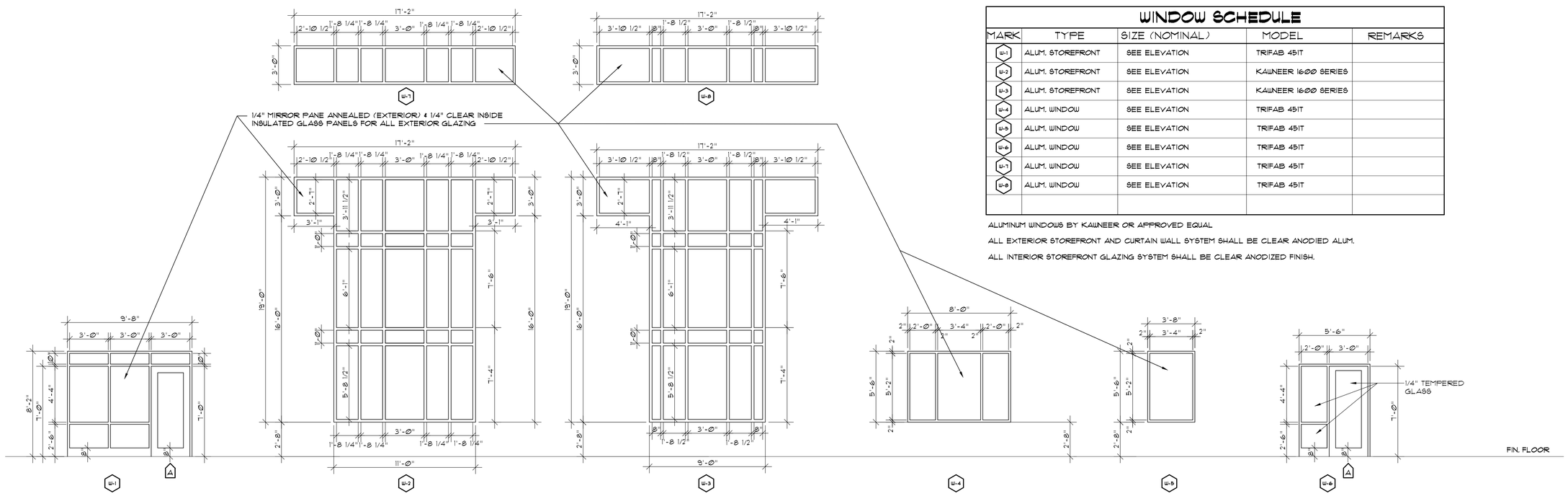
WINDOW SCHEDULE

MARK	TYPE	SIZE (NOMINAL)	MODEL	REMARKS
W-1	ALUM. STOREFRONT	SEE ELEVATION	TRIFAB 451T	
W-2	ALUM. STOREFRONT	SEE ELEVATION	KAWNEER 1600 SERIES	
W-3	ALUM. STOREFRONT	SEE ELEVATION	KAWNEER 1600 SERIES	
W-4	ALUM. WINDOW	SEE ELEVATION	TRIFAB 451T	
W-5	ALUM. WINDOW	SEE ELEVATION	TRIFAB 451T	
W-6	ALUM. WINDOW	SEE ELEVATION	TRIFAB 451T	
W-7	ALUM. WINDOW	SEE ELEVATION	TRIFAB 451T	
W-8	ALUM. WINDOW	SEE ELEVATION	TRIFAB 451T	

ALUMINUM WINDOWS BY KAWNEER OR APPROVED EQUAL

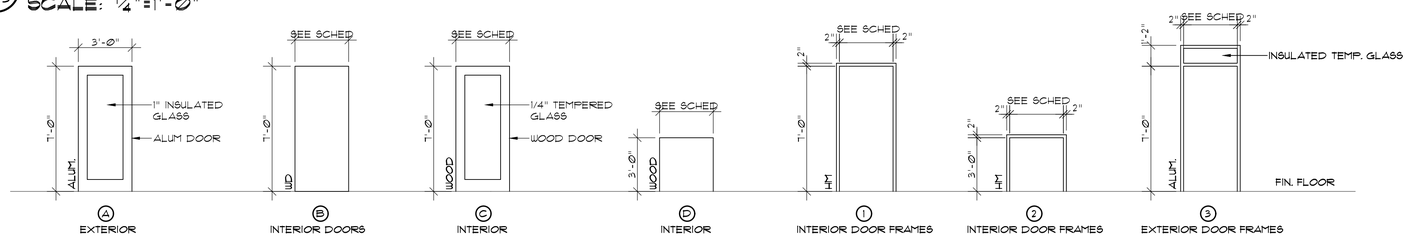
ALL EXTERIOR STOREFRONT AND CURTAIN WALL SYSTEM SHALL BE CLEAR ANODIED ALUM.

ALL INTERIOR STOREFRONT GLAZING SYSTEM SHALL BE CLEAR ANODIZED FINISH.



1 / A-3 WINDOW / STOREFRONT ELEVATIONS

SCALE: ¼"=1'-0"



NOTE: PROVIDE .032 ALUM (PREFIN.) HEAD FLASHING AT ALL EXTERIOR WINDOWS AND DOORS.
PROVIDE .032 ALUM. (PREFIN.) SILL PAN FLASHING W/ END DAMS AT ALL EXTERIOR DOORS AND WINDOWS.
PROVIDE WEEPS AS REQ'D.

2 / A-3 DOOR & FRAME ELEVATIONS

SCALE: ¼"=1'-0"

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

Coastal Architecture PA
• Architectural Design
• Planning
• Interiors
AIA
Member of the American Institute of Architects
Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net
4206 Bridges St. Ext., Suite C
Morehead City, NC 28557
www.CoastalArchitecture.net

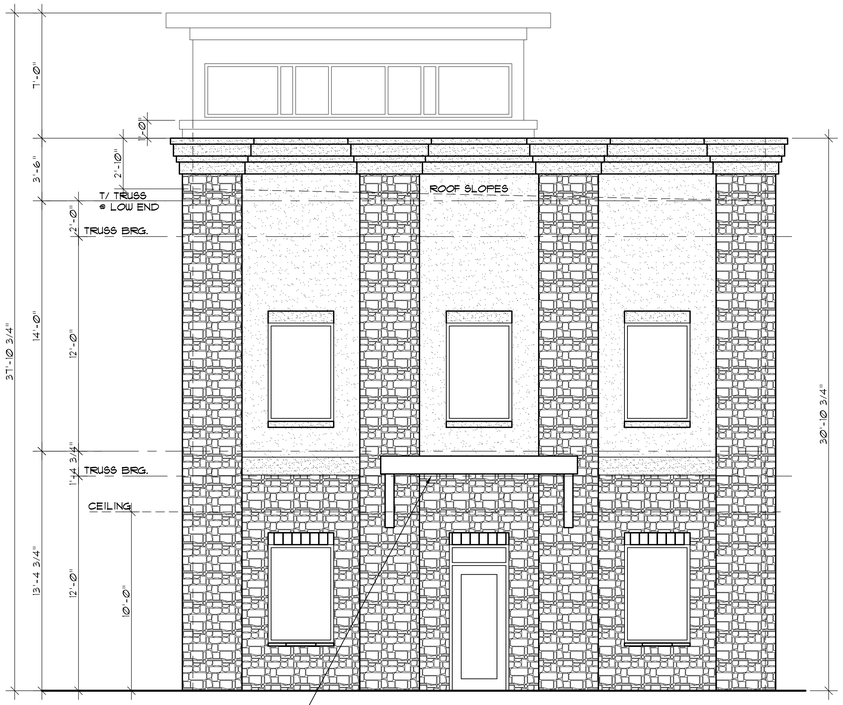
EAST COAST HEARING AND BALANCE
NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

DOOR & WINDOW SCHEDULE

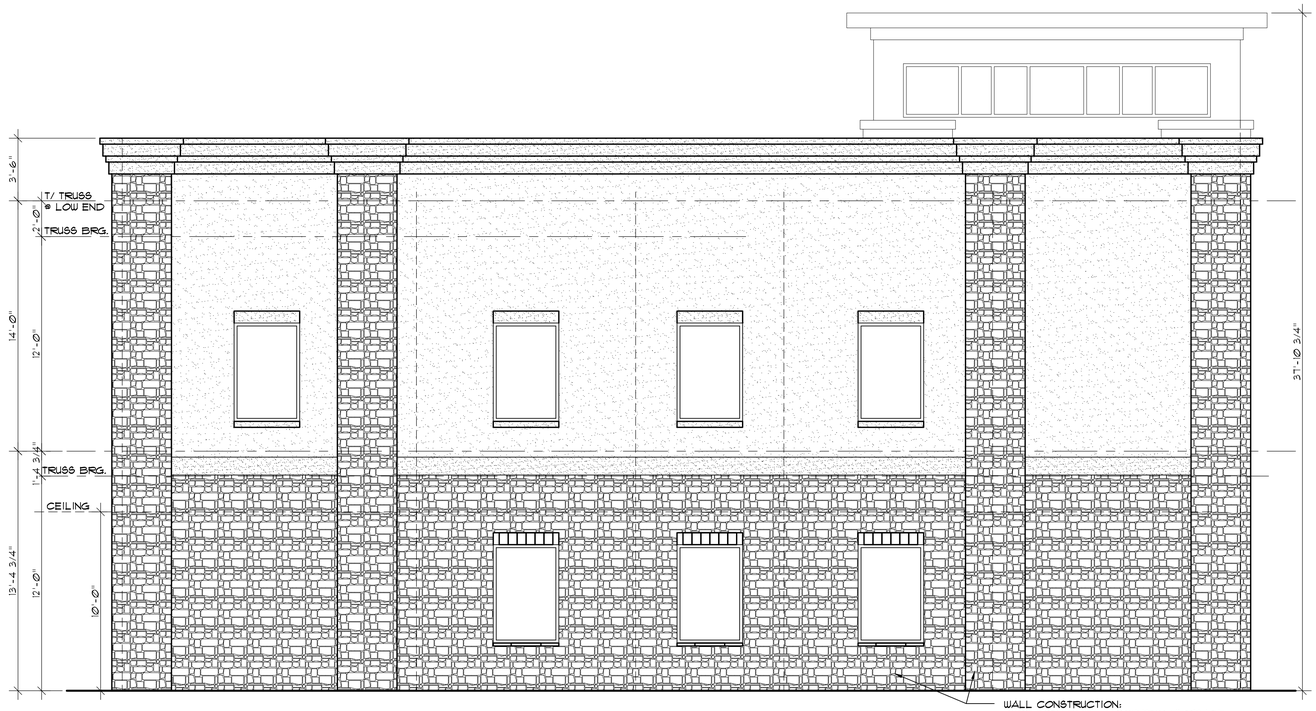
18004

ISSUED: 08/10/18
DWG BY: BLS
CKD BY: LDD
REVISIONS

SHEET NO.
A-3
OF



4 A-1 RIGHT ELEVATION
SCALE: 1/4"=1'-0"



3 A-1 REAR ELEVATION
SCALE: 1/4"=1'-0"

WALL CONSTRUCTION:
"STONECRAFT" HILL COUNTRY HERITAGE
ADHERED STONE VENEER
W/ LATICRETE PREMIUM MASONRY POINT MORTAR ON
LATICRETE MASONRY VENEER MORTAR ON
LATICRETE AIR & WATER BARRIER ON
5/8" DUROCK CEMENT BACKER BOARD ON
5/8" EXTERIOR RATED SHEATHING
ON 2x WD STUDS @ 16" O.C.

SUNSHADE SPEC:
ARCHITECUTRAL LOUVERS CO.
H6A 48" x SEE PLAN
TO MEET 135 MPH WIND LOAD
COLOR DOVE GRAY
INSTALLATION AS PER MANUF.
RECOMMENDATION.
PROVIDE BLOCKING AS REQ'D.

2 A-1 LEFT ELEVATION
SCALE: 1/4"=1'-0"

1 A-1 FRONT ELEVATION
SCALE: 1/4"=1'-0"

WALL CONSTRUCTION:
"STONECRAFT" HILL COUNTRY HERITAGE
ADHERED STONE VENEER
W/ LATICRETE PREMIUM MASONRY POINT MORTAR ON
LATICRETE MASONRY VENEER MORTAR ON
LATICRETE AIR & WATER BARRIER ON
5/8" DUROCK CEMENT BACKER BOARD ON
5/8" EXTERIOR RATED SHEATHING
ON 2x WD STUDS @ 16" O.C.

Coastal Architecture PLLC

- Architectural Design
- Planning
- Interiors

AIA
Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net

4206 Bridges St. Ext.,
Suite C
Morehead City, NC
28557

www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE
NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

COASTAL ARCHITECTURE PLLC
CERT. NO. 51792
REGISTERED CORPORATION
MOREHEAD CITY, NORTH CAROLINA

LEE D. DIXON, JR.
NORTH CAROLINA
6419
REGISTERED ARCHITECT

EXTERIOR ELEVATIONS

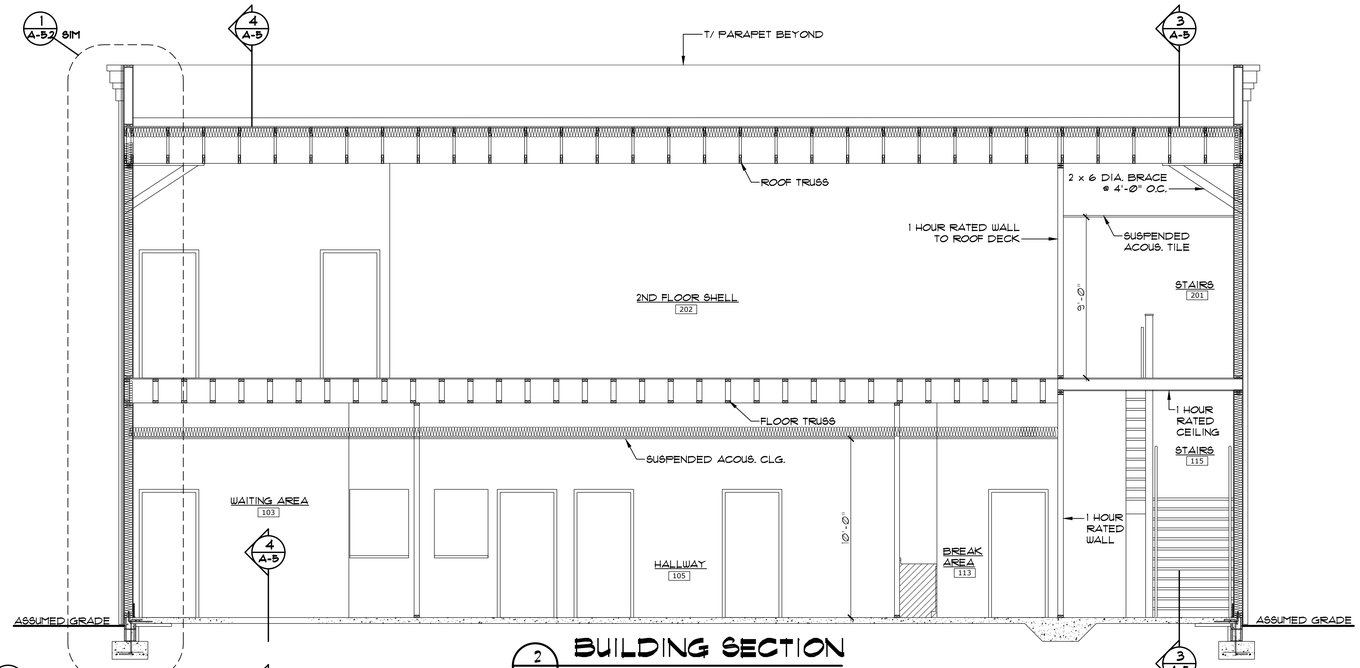
18004

ISSUED: 8-10-18
DWG BY: LSA
CKD BY: LDD
REVISIONS

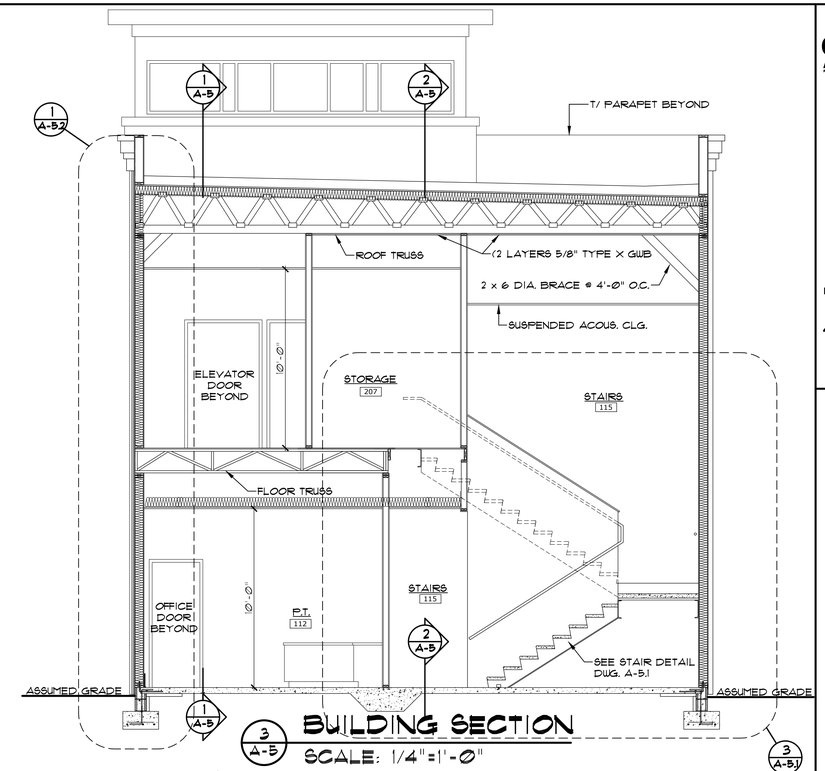
SHEET NO.
A-4
OF

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

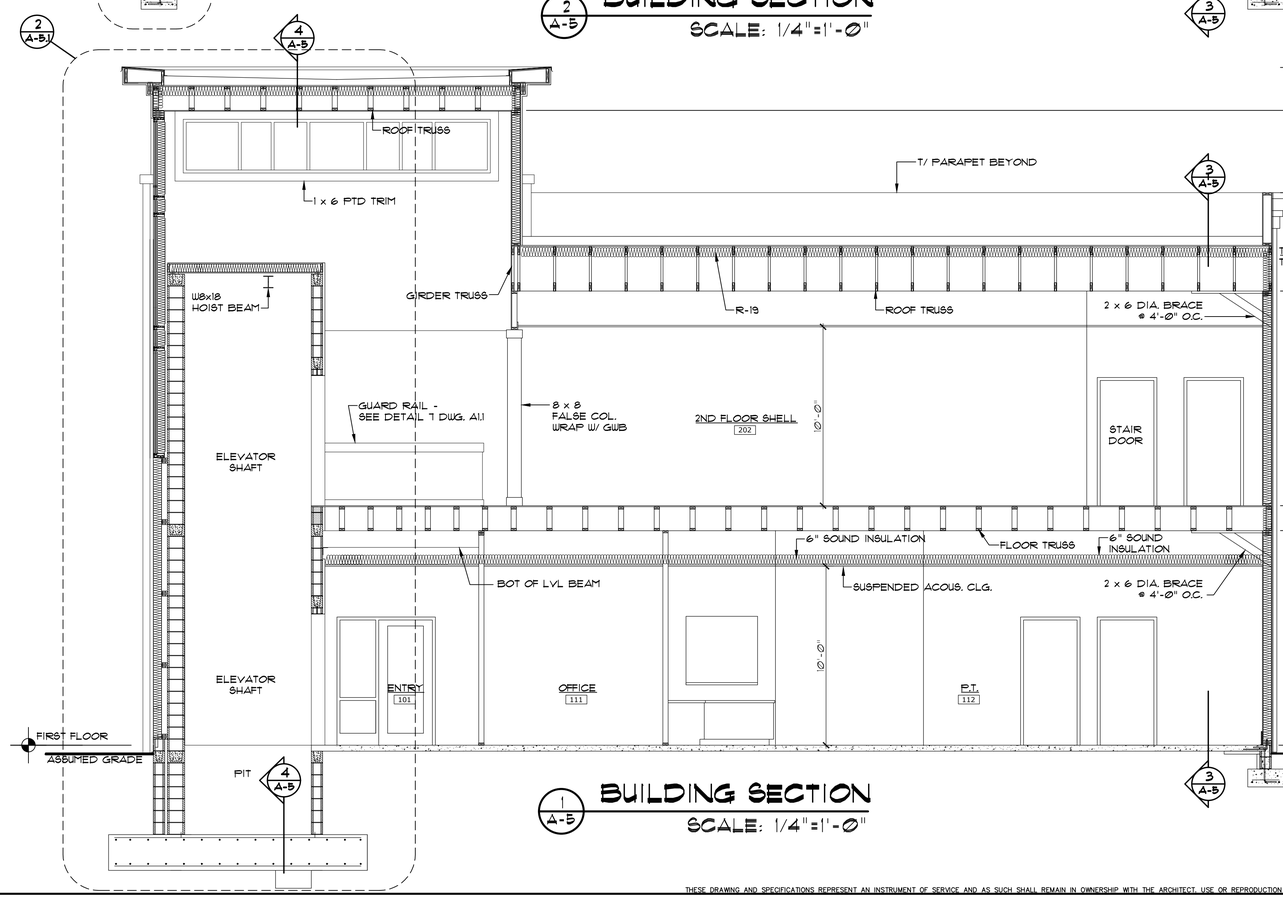
R:\2018\18004 East Coast Hearing and Balance\Current\A-4 EXTERIOR ELEVATIONS.dwg 9/4/2018 4:34:30 PM, 1296; 1x1PDF.pc3



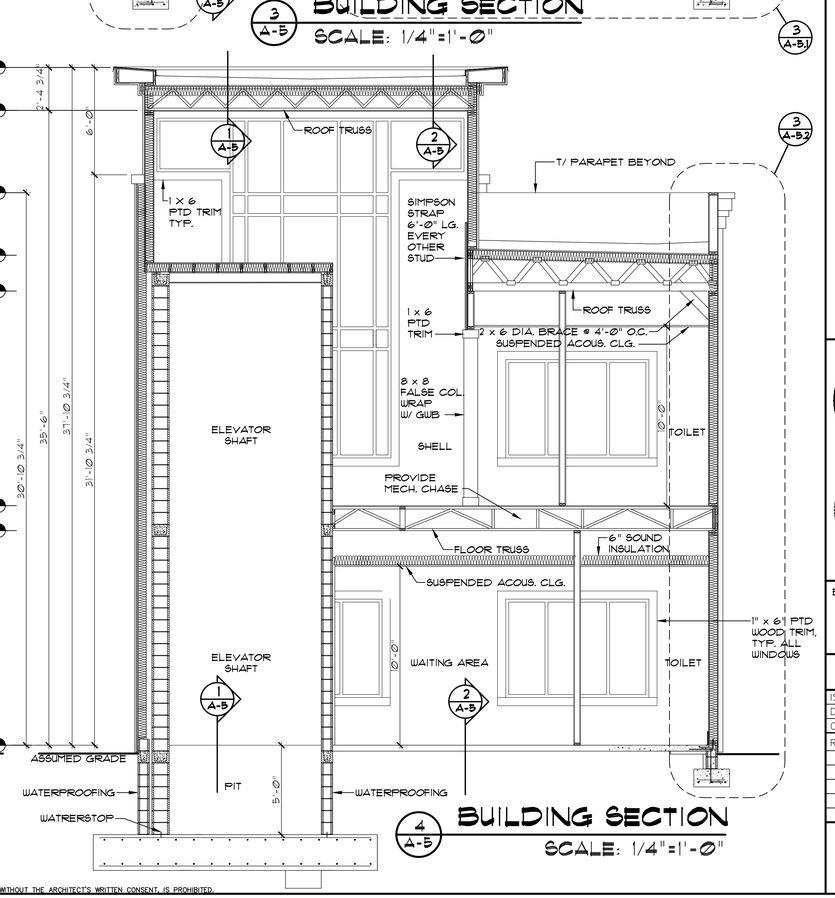
2 A-5 BUILDING SECTION
SCALE: 1/4"=1'-0"



3 A-5 BUILDING SECTION
SCALE: 1/4"=1'-0"



1 A-5 BUILDING SECTION
SCALE: 1/4"=1'-0"



4 A-5 BUILDING SECTION
SCALE: 1/4"=1'-0"

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

Coastal Architecture PLLC
• Architectural Design
• Planning
• Interiors
AIA
Member of the American Institute of Architects
Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net
4206 Bridges St. Ext., Suite C
Morehead City, NC 28557
www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

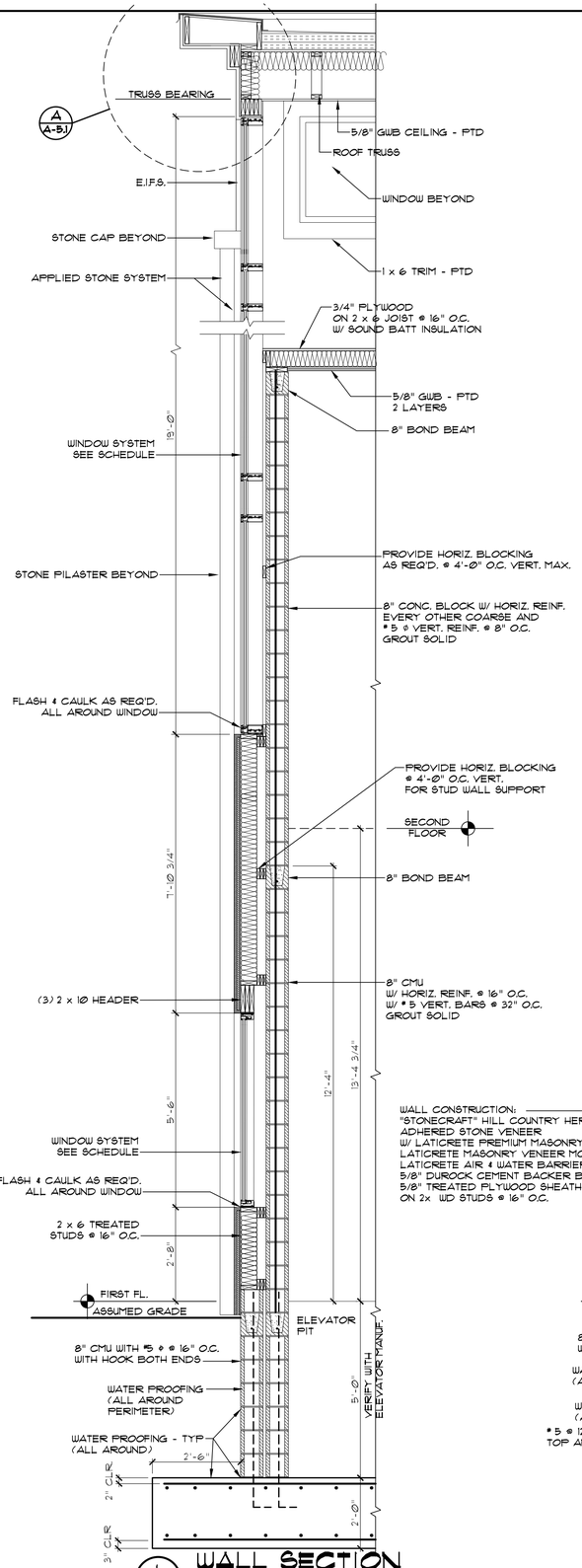
BUILDING SECTION

18004

ISSUED:	8-10-18
DWG BY:	LSA
CKD BY:	LDD

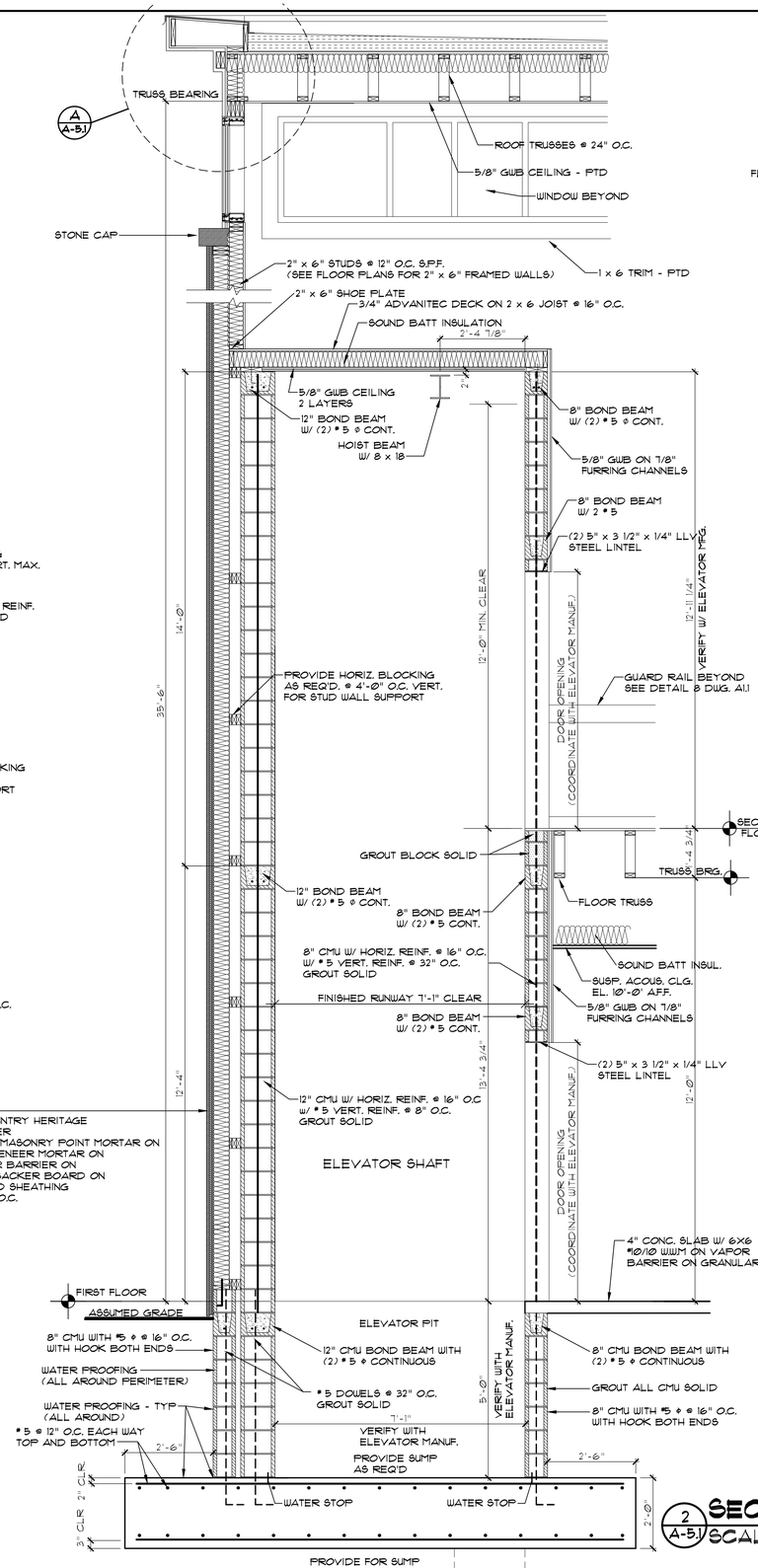
REVISIONS

SHEET NO.
A-5
OF

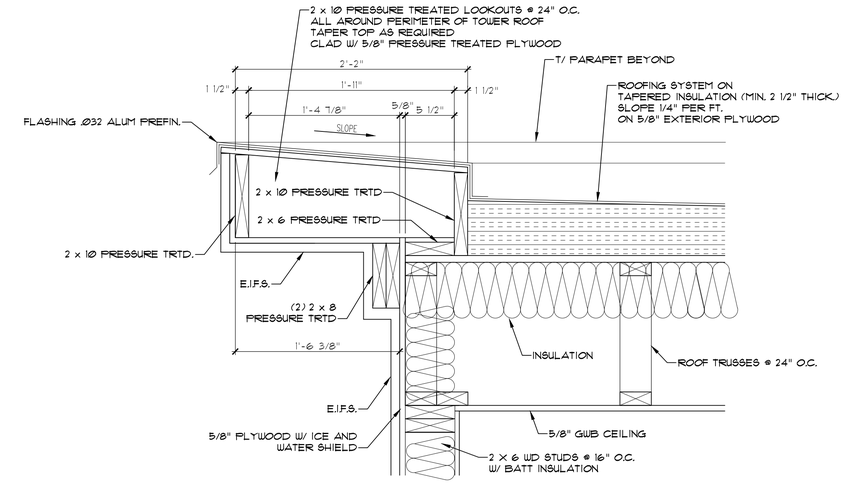


1 A-5.1 WALL SECTION
SCALE: 1/2"=1'-0"

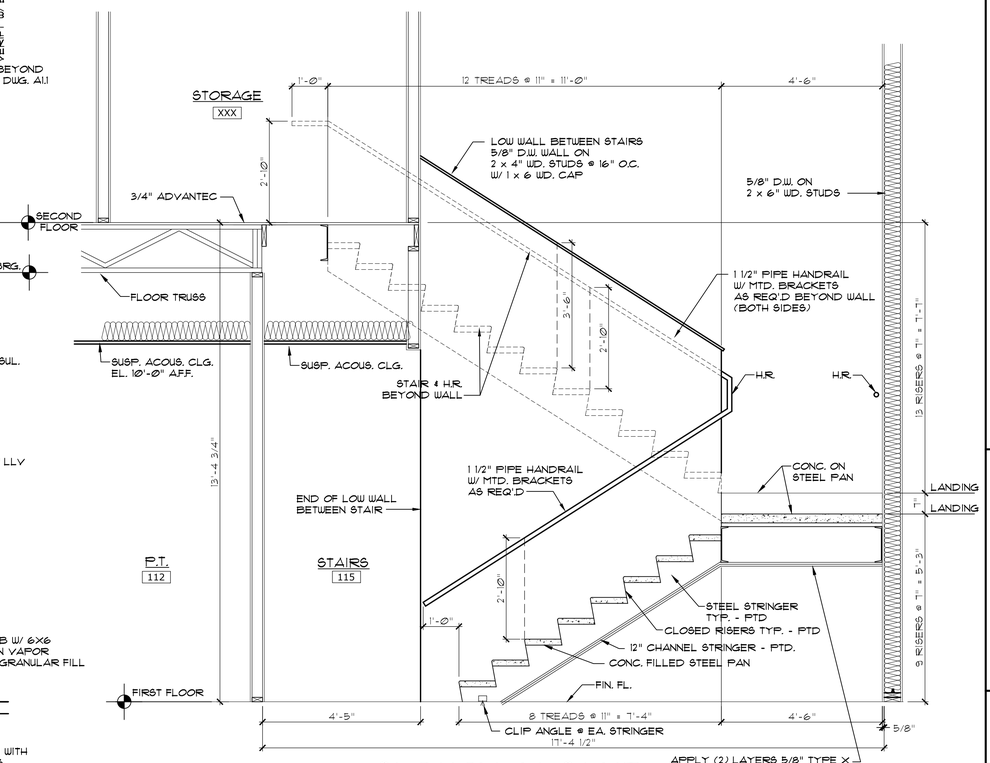
WALL CONSTRUCTION:
"STONECRAFT" HILL COUNTRY HERITAGE ADHERED STONE VENEER W/ LATICRETE PREMIUM MASONRY POINT MORTAR ON LATICRETE MASONRY VENEER MORTAR ON LATICRETE AIR & WATER BARRIER ON 5/8" DUROCK CEMENT BACKER BOARD ON 5/8" TREATED PLYWOOD SHEATHING ON 2x WD STUDS @ 16" O.C.



2 A-5.1 SECTION AT ELEVATOR
SCALE: 1/2"=1'-0"



A A-5.1 TOWER ROOF DETAIL
SCALE: 1 1/2"=1'-0"



3 A-5.1 SECTION AT STAIR
SCALE: 1/2"=1'-0"

APPLY (2) LAYERS 5/8" TYPE X GWB COMPETELY UNDER ALL STAIR AREA. (PROVIDE 1"I&C FRAMING AS REQUIRED)

Coastal Architecture PLLC

- Architectural Design
- Planning
- Interiors

AIA
Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net

4206 Bridges St. Ext., Suite C
Morehead City, NC 28557

www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE
NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

COASTAL ARCHITECTURE PLLC REGISTERED CORPORATION CERT. NO. 57792 MOREHEAD CITY, NORTH CAROLINA

LEE D. DIXON, JR. REGISTERED ARCHITECT 6419 STATE OF NORTH CAROLINA MOREHEAD CITY

WALL SECTIONS

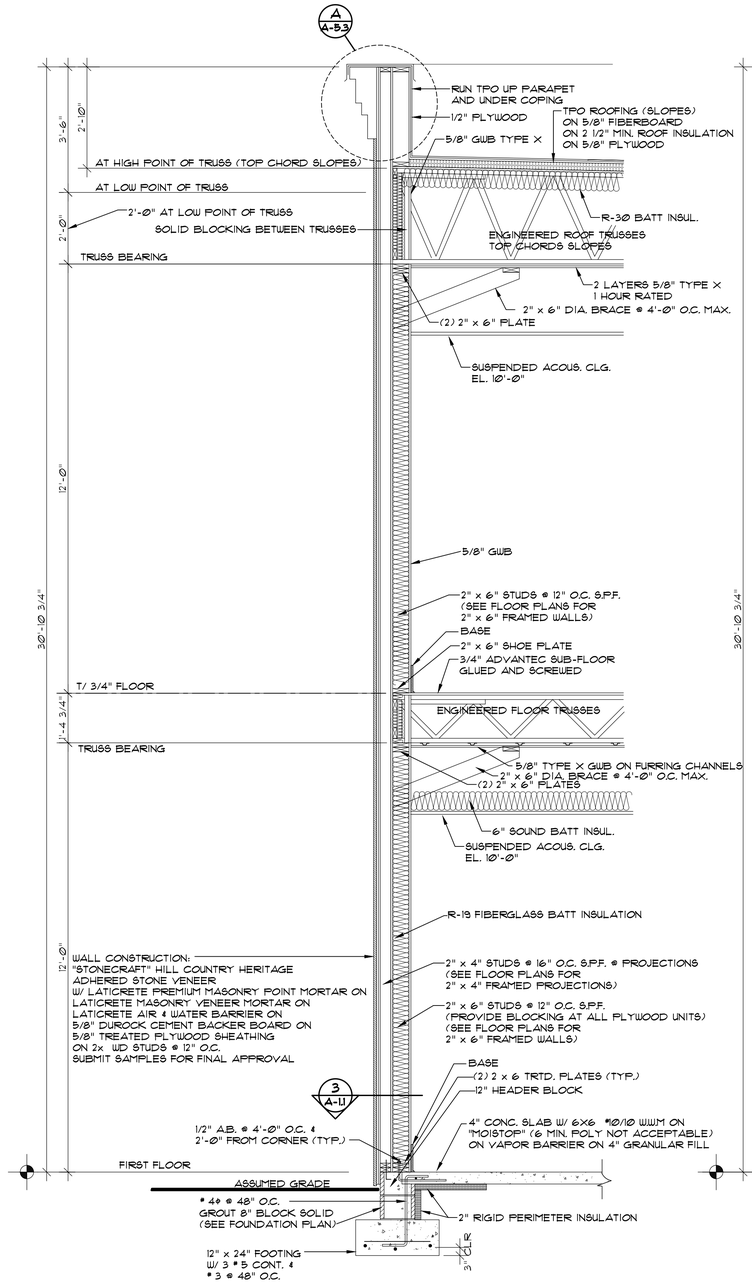
18004

ISSUED:	8-10-18
DWG BY:	BLS
CKD BY:	LDD
REVISIONS	

SHEET NO.
A-5.1
OF

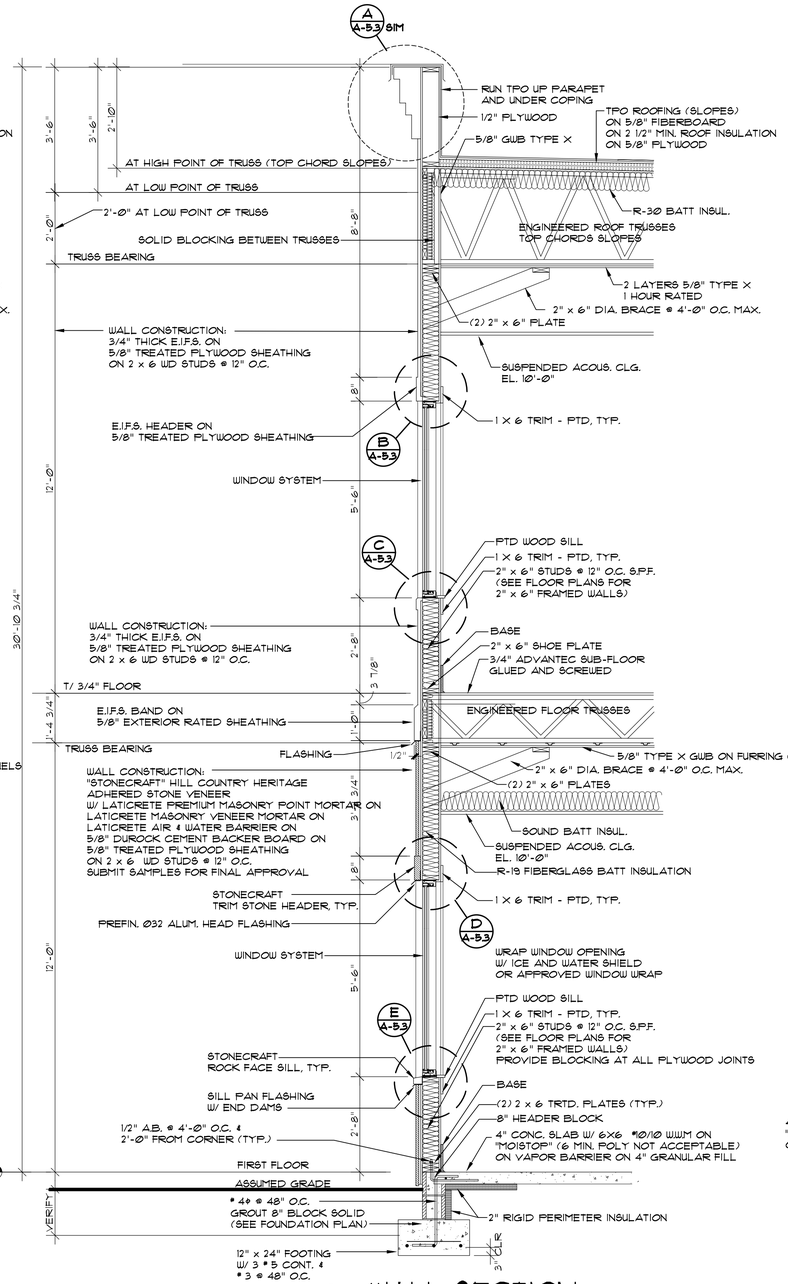
THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

R:\2018\18004 East Coast Hearing and Balance\Current\A-5.1 WALL SECTIONS.dwg, 9/4/2018 4:53:58 PM, DWG To PDF.pc3



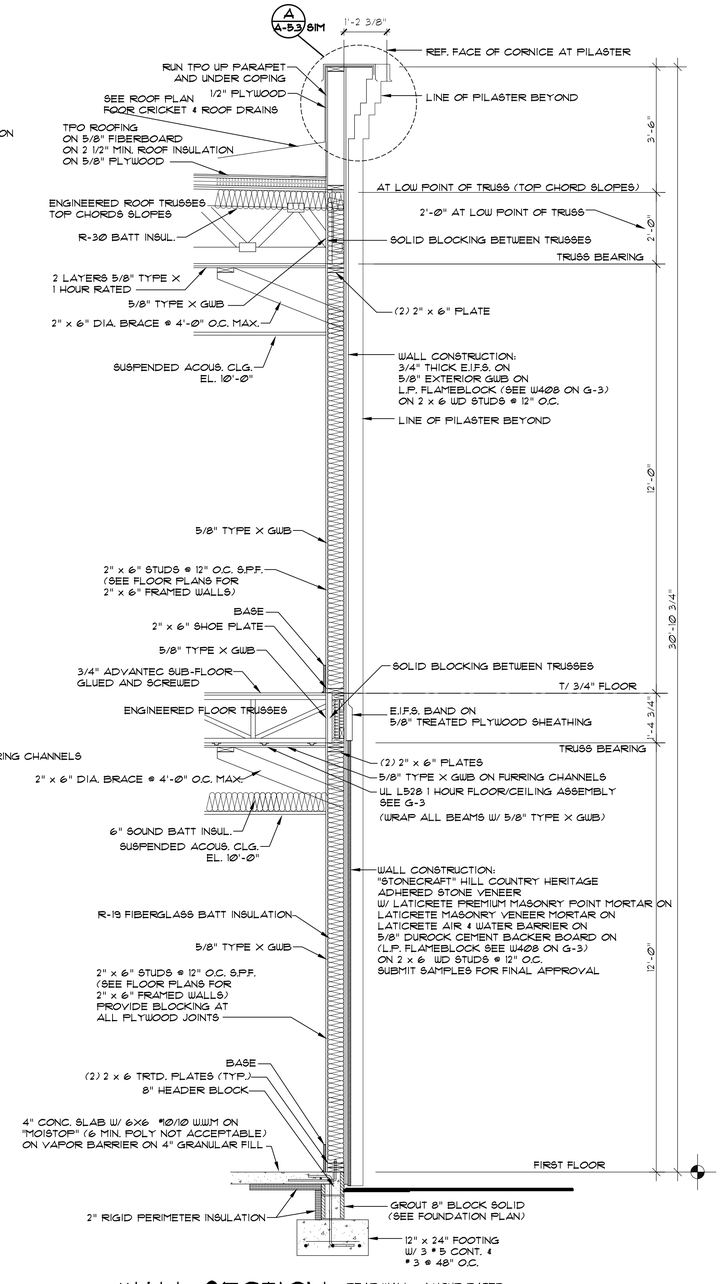
1 A-5.2 WALL SECTION @ PROJECTIONS

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



2 A-5.2 WALL SECTION

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



3 A-5.2 WALL SECTION

REAR WALL - 1 HOUR RATED SEE ALSO UL W408 DETAILS ON SHEET G-3

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

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

Coastal Architecture PLLC

- Architectural Design
- Planning
- Interiors

AIA
Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net

4206 Bridges St. Ext., Suite C
Morehead City, NC 28557

www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE NEW OFFICE BUILDING

MOREHEAD CITY, NORTH CAROLINA

CORPORATE ARCHITECTURE/ENGINEERING CERTIFICATION CERT. NO. 5/792

LICENSED PROFESSIONAL ENGINEER 6419 MECHANICAL

WALL SECTIONS

18004

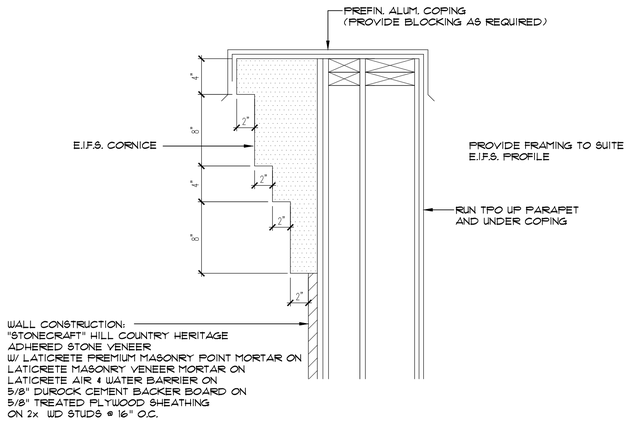
ISSUED:	8-10-18
DWG. BY:	BLS
CKD. BY:	LDD

REVISIONS

SHEET NO.

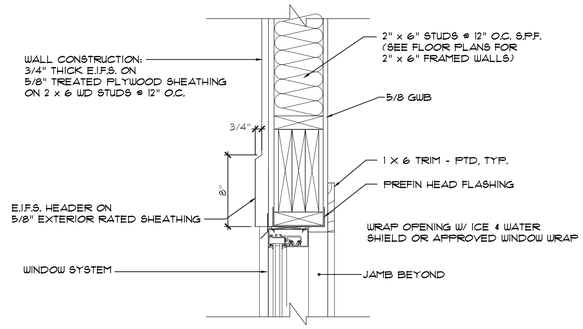
A-5.2

OF



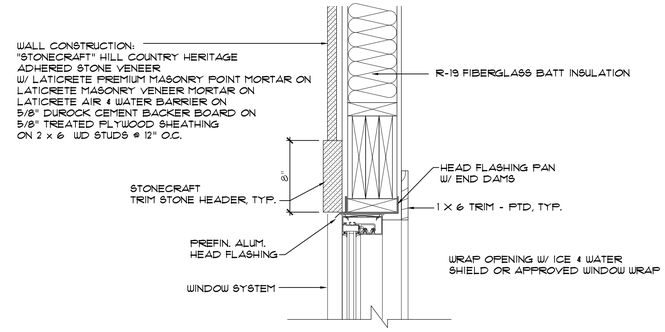
A / A-5.3 **E.I.F.S. PROFILE DETAIL A**

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



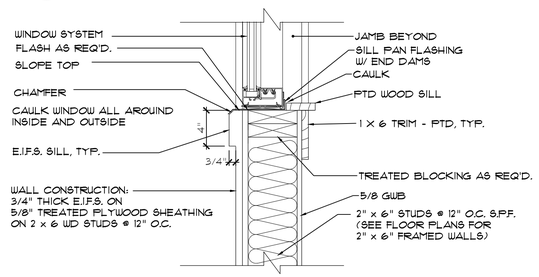
B / A-5.3 **WINDOW HEAD DETAIL AT E.I.F.S. FACADE**

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



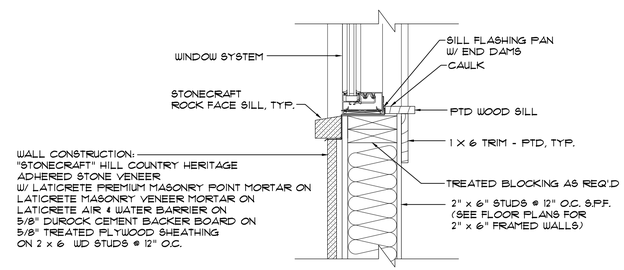
D / A-5.3 **WINDOW HEAD DETAIL AT STONE FACADE**

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



C / A-5.3 **WINDOW SILL DETAIL AT E.I.F.S. FACADE**

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



E / A-5.3 **WINDOW SILL DETAIL AT STONE FACADE**

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

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

Coastal Architecture PLLC

- Architectural Design
- Planning
- Interiors

AIA
Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net

4206 Bridges St. Ext., Suite C
Morehead City, NC 28557

www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE
NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

WALL SECTIONS

18004

ISSUED:	8-10-18
DWG BY:	BLS
CKD BY:	LDD

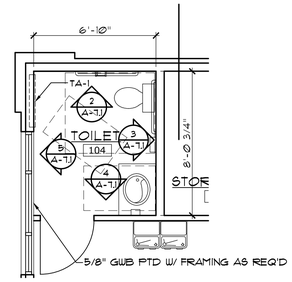
REVISIONS

SHEET NO.
A-5.3
OF

TOILET ACCESSORIES SCHEDULE

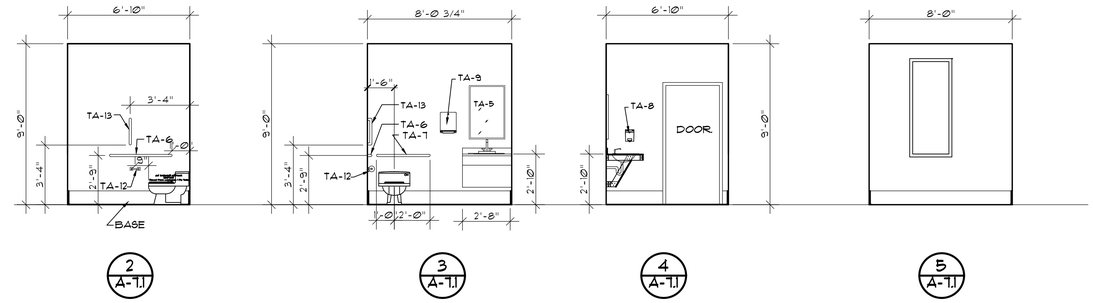
MARK	ITEM	MFG.	MODEL #	MT.H.T.	REMARKS
TA-1	BABY CHANGING STATION	KOALA KARE	KB110-88SRE	TOP 48"	
TA-2	NOT USED				
TA-3	NOT USED				
TA-4	NOT USED				
TA-5	MIRROR	BOBRICK	B-165 1830	3'-8"	HT. TO BOTTOM
TA-6	1.5" DIA. SATIN S.S. GRAB BAR	BOBRICK	B-6806 x 42	2'-9"	HT. TO ℄ - UNLESS NOTED OTHERWISE
TA-7	1.5" DIA. SATIN S.S. GRAB BAR	BOBRICK	B-6806 x 36	2'-9"	HT. TO ℄
TA-8	SOAP DISPENSER	BOBRICK	B-5050	3'-6"	HT. TO DISPENSER
TA-9	PAPER TOWEL DISPENSER	BOBRICK	B-262	4'-0" MAX	HT. TO DISPENSER OUTLET
TA-10	NOT USED				
TA-11	NOT USED				
TA-12	TOILET PAPER HOLDER	BOBRICK	B-685	2'-0"	HT. TO ℄
TA-13	1.5" DIA. SATIN S.S. GRAB BAR	BOBRICK	B-6806 x 18	3'-4"	HT. TO BOTTOM

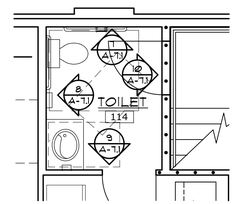
NOTE:
1. ALL MOUNTING HEIGHTS ARE AS SHOWN UNLESS OTHERWISE NOTED.
2. PROVIDE BLOCKING FOR ALL TOILET ACCESESORIES.
3. PROVIDE HANDICAP DOOR SIGNAGE AT ALL TOILET RM. DOORS.
4. SUBMIT ALL ACCESSORIES FOR APPROVAL & FINAL SELECTION BY OWNER.
5. PROVIDE ADA SIGNAGE AT ALL TOILET ROOMS.
6. PROVIDE ADA COMPLIANT DRAIN WRAP AT ALL EXPOSED PIPES/DRAINS.

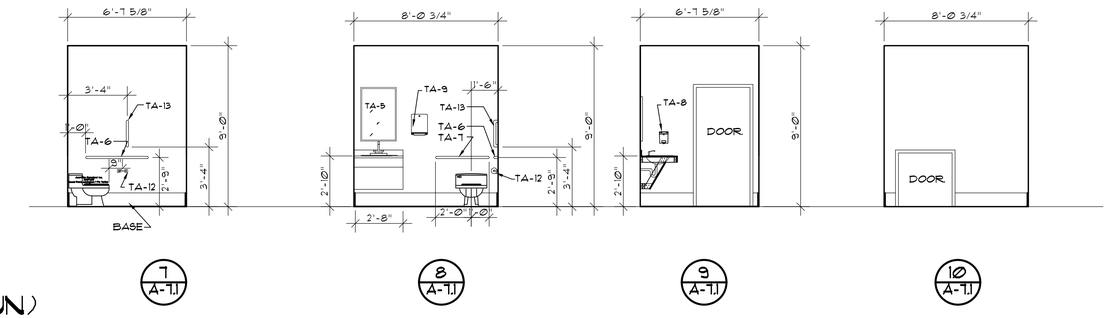


TOILET #104 (SHOWN)
TOILET # 203 & #204 (SIM)
1 / A-7.1 SCALE: 1/4"=1'-0"

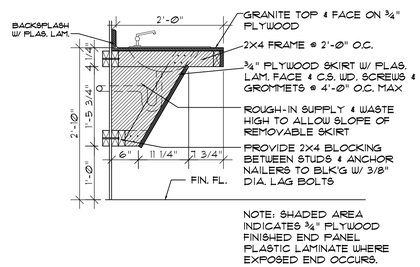
TOILETS 203 & 204 FIXTURES AND ACCESSORIES SHOWN FOR ROUGH IN INFORMATION ONLY







TOILET #114 (SHOWN)
TOILET #203, (SIM)
6 / A-7.1 SCALE: 1/4"=1'-0"



11 / A-7.1 SECTION @ VANITY
SCALE: 3/4"=1'-0"

Coastal Architecture PLLC
- Architectural Design
- Planning
- Interiors

AIA
Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net

4206 Bridges St. Ext.,
Suite C
Morehead City, NC
28557

www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE
NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

COASTAL ARCHITECTURE PLLC
CERT. NO. 51792
MOREHEAD CITY, NC

LEE D. DIXON, JR.
REGISTERED ARCHITECT
6419
NORTH CAROLINA

TOILET ELEVATIONS

18004

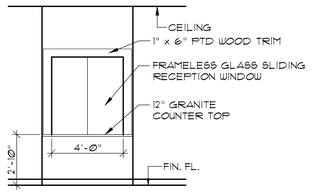
ISSUED: 8-10-18
DWG BY: BLS, LSA
CKD BY: LDD

REVISIONS

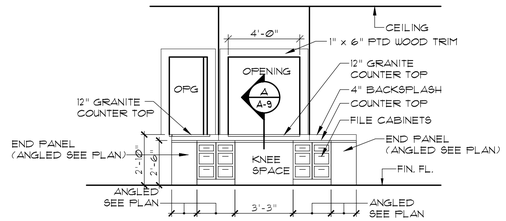
SHEET NO.
A-7.1
OF

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

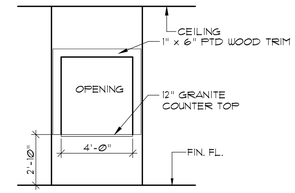
R:\2018\18004 East Coast Hearing and Balance\Current\A-7.1 TOILET ELEVATIONS.dwg 8/6/2018 4:27:51 PM, DWG To PDF.pc3



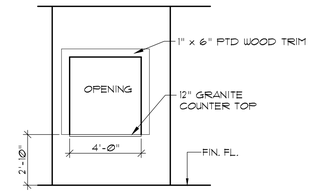
1 A-9 **RECEPTION WINDOW**
SCALE: 1/4"=1'-0"



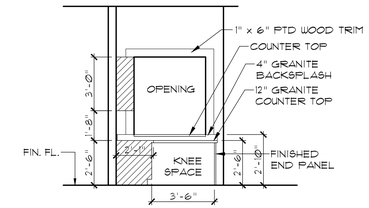
2 A-9 **RECEPTION 106**
SCALE: 1/4"=1'-0"
RECEPTION CABINETS TO BE WHITE IN COLOR



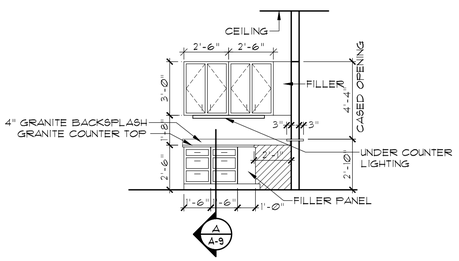
3 A-9 **CHECKOUT**
SCALE: 1/4"=1'-0"



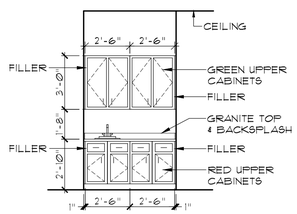
4 A-9 **P.T. CHECKIN**
SCALE: 1/4"=1'-0"



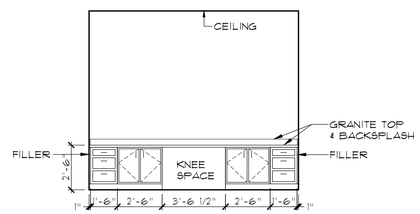
5 A-9 **P.T. 112**
SCALE: 1/4"=1'-0"
P.T. CABINETS TO BE WHITE IN COLOR



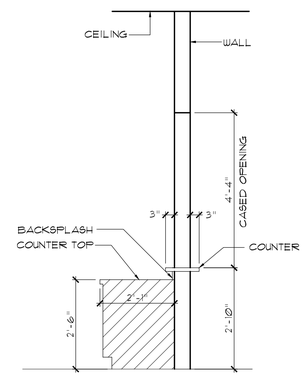
6 A-9 **P.T. 112**
SCALE: 1/4"=1'-0"
P.T. CABINETS TO BE WHITE IN COLOR



7 A-9 **BREAK 113**
SCALE: 1/4"=1'-0"



8 A-9 **BOOTH 2**
SCALE: 1/4"=1'-0"
CABINETS TO BE WHITE IN COLOR



A A-9 **SECTION**
SCALE: 1/4"=1'-0"

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

Coastal Architecture PLLC
• Architectural Design
• Planning
• Interiors
AIA
Member of the American Institute of Architects
Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net
4206 Bridges St. Ext., Suite C
Morehead City, NC 28557
www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

MILLWORK

18004

ISSUED:	8-10-18
DWG. BY:	BLS
CKD. BY:	LDD

REVISIONS

SHEET NO.
A-9
OF

A. GENERAL

1. Notes below are not intended to replace specifications. See specifications for requirements in addition to the general notes.
2. Design Live Loads
   - Floor: 100 psf / 50 psf
   - Roof: 20 psf
3. Design Dead Loads
   - Framed floors: 10 psf
   - Roofing, insulation & decking: 15 psf
   - Allowance for future roofing: 0 psf
4. Wind loads (2009 NC Building Code)
   - Basic Wind Velocity: 135 mph
   - Exposure Condition: B
   - Importance Factor: 1.00
5. Snow Loads
   - Ground Snow Load, Pg: 20 psf
6. Earthquake Loads (2009 NC Building Code)
   - Seismic Use Group: I
   - Spectral Response Acceleration, Sms: 18.0%
   - Spectral Response Acceleration, Sm1: 7.0%
   - Site Classification: D
   - Seismic Design Category: B
7. Structural Drawings shall be used in conjunction with the project specifications and Architectural and other Engineering Drawings.
8. Submit Structural Shop Drawings electronically. Do not fabricate material until Architect and/or Engineer has reviewed shop drawings and all exceptions have been resolved.
9. Do not mark contract drawings and submit as shop drawings. Fabricator shall be responsible for producing and submitting original drawings for review.
10. Contractor is responsible for dissemination of revisions to Contract documents and requirements to all subcontractors.
11. Contractor shall verify all dimensions, elevations and existing field conditions before proceeding with construction.
12. Structural frame shall be braced until erection is complete and permanent connections, bracing members and shear walls are installed.
13. In case of conflict between specifications and drawings, contact Architect for resolution.
14. All safety and OHSA regulations shall be followed strictly. Methods of construction and erection of structural material are the Contractor's responsibility.
15. Depress slabs for tile, etc., as required by the Architectural Drawings. Maintain slab thickness below depressed areas as shown on Structural Drawings.
16. For slopes or depressions in slab on grade, see Architectural Drawings.
17. All concrete block on structural floors or on structural members shall be lightweight aggregate (115 pcf maximum).

B. FOUNDATION

1. Design soil bearing capacity: as per soils report.
2. (±XX'-XX") Denotes top of wall and top of column foundations referenced to finished floor elevation.
3. Footings shall be carried to a lower elevation than those indicated on the drawings if required by the Architect and/or Engineer to reach firm undisturbed soil bearing as herein specified.
4. Elevation of foundation shown on the drawings is assumed for bidding purposes only. Foundation to bear on approved material as specified.
5. All slabs on grade shall be placed over a 4" base of well compacted gravel or granular base. The gravel shall be placed on original soil or on earth fill as described in note #7 below. Cover gravel base with an approved vapor barrier before placing concrete.
6. Sand 4" thick may be substituted for crushed stone at the Contractor's option. Sand shall be compacted to 100% of its maximum density at optimum water content.
7. Where footing or slab on grade is to be placed on fill, all topsoil, roots, trash and other extraneous materials shall be removed and replaced with select fill compacted to a minimum of 95% of its maximum density at its optimum moisture content as measured by the Standard Proctor Method (ASTM D 698). The top 12" shall be compacted to a minimum of 98%. Soil compaction shall be field controlled by a representative technician of a qualified laboratory as approved by the Architect and/or Engineer. Each layer/littu of fill shall be no greater than 12" thick and shall be compacted as specified prior to placement of the following layer.
8. It shall be the Contractor's responsibility to provide well-braced shoring at excavations near existing buildings and construction to prevent settlement and to prevent cave-ins.
9. Walls acting as retaining walls shall not be backfilled without bracing until all supporting soil and slabs are in place.
10. Select and place porous backfill at retaining walls carefully where indicated on the drawings.
11. Place concrete for wall footings monolithically with column footings. Construction joints in wall footings shall be made only midway between column footings.
12. Footings shall be excavated to final depth and concrete placed in the same day.
13. Footing excavations and forms shall be reviewed by the Architect, Engineer, or approved construction testing agency prior to placing concrete. All footings shall be formed with wood or metal forming materials to the dimensions shown on the drawings, unless otherwise noted. All formwork shall be removed prior to backfill.
14. See Architectural Drawings for locations of partition footings and thickened slabs not dimensioned on Structural Drawings.
15. Place concrete for slab on grade in continuous strips and provide control and construction joints at locations shown on drawings.

C. CONCRETE

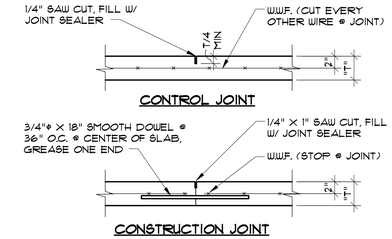
1. Minimum compressive strength at 28 days shall be: 3000 psi for footings, and 3000 psi for slab on grade.
2. Exposed concrete shall be air entrained in accordance with Table 1904.2.1 of the NC State Building Code.
3. All detailing, fabrication and erection of reinforcing bars shall conform to ACI "Manual of Standard Practice for Detailing Reinforced Concrete Structure" (ACI-315, Latest Edition) and the "Building Code Requirements for Reinforced Concrete" (ACI-318, 2002 Edition).
4. Reinforcing bars shall be rolled from new billet steel conforming to "Specification for Deformed Billet Steel Bars for Concrete Reinforcement", ASTM A 615, and shall be Grade 60 except for column and pilaster ties and beam stirrups which shall be Grade 40.
5. Welded wire fabric shall conform to ASTM A 185 and A 82.
6. All shop and field welding of reinforcing steel to structural shapes shall be performed by welders who have been qualified by test as prescribed in the AWS D1.1-88 and shall be performed in accordance with AWS D1.4-79.
7. Grout under all column base plates and beam bearing plates with non-shrink, non-metallic grout which conforms to ASTM C1107.
8. Details, workmanship and procedure of concrete placement shall conform to the latest editions of ACI-315, ACI-318 and ACI-301.
9. Clear distance from face of concrete to main reinforcing:
   - Suspended slabs and joists: 1" UON
   - Grade beams, pedestals, columns, walls: 2" UON
   - Footings, walls cast against earth: 3" UON
10. All isolation joint strips shall be 1/2" thick, unless otherwise noted.
11. Provide corner bars at all footing steps and corners unless otherwise noted. Bars shall lap a minimum of 48 bar diameters and shall have the same size and spacing as the horizontal reinforcing.
12. Provide #4 diagonal corner bars, minimum 48" long at center of slab around all openings in floor slabs.
13. Lap all reinforcing splices at least 48 bar diameters (24" minimum) unless otherwise noted.
14. Welded wire fabric shall have end laps of one full fabric plus 2" between cross wires and edge laps obtained by overlapping longitudinal selvage wires 2" and wiring all laps securely together. Welded wire fabric shall extend into supporting beams and walls for anchorage unless an expansion joint is called for.
15. All reinforcing shall be securely wired together in forms as called for in "Placing Reinforcing Bars" by CRSI.
16. Crack control joints shall be placed in slabs on grade at a maximum spacing of 16', unless otherwise noted.
17. Reinforcing steel in place shall be reviewed by the Architect, Engineer, or approved construction testing agency prior to placing concrete.
18. Chamfer exposed edges of concrete 3/4" or as shown in Structural and/or Architectural Drawings.
19. Slab on grade shall be 4" thick with W1.4 x W1.4 welded wire fabric at 1/3 depth from top of slab unless otherwise noted.
20. Provide all necessary cover and protection for masonry work when placing concrete.
21. Provide at least two (2) #4 bars in top of wall footing under door and other openings, 4'-0" longer than the opening.
22. Provide dowels in wall footings equivalent in size and number to vertical steel extending 24 bar diameters into footing and with projection as required to provide minimum lap splice as noted above.
23. Do not sleeve structural members where not shown on the Structural Drawings without approval of the Architect and/or Engineer.
24. See Architectural Finish Schedule for required floor finishes.

D. CONCRETE MASONRY UNITS

1. Concrete masonry units shall conform to ASTM C 90, Grade N-I unless otherwise noted, compressive strength on net cross sectional area: 1900 psi.
2. Masonry shall be laid in ASTM C 270, type "S" mortar, UON and shall have full mortar coverage of the face shells in both horizontal and vertical joints.
3. Grout for reinforced masonry shall have a compressive strength of 3000 psi at 28 days and shall conform to ASTM C476.
4. Grout for reinforced masonry shall have a slump of 8 to 11 inches. Course grout shall be used in spaces 2-1/2" x 3" and greater. Fine grout shall be used in spaces 2" x 3" and smaller.
5. Maximum height to which masonry shall be laid before filling is 4 feet for coarse grout and 2 feet for fine grout.
6. Reinforcing grade and details shall be the same as for Concrete. Tie in position and place concrete around reinforcing during construction of masonry. Do not push reinforcing down into previously placed grout fill. Set bolts similarly.
7. Horizontal reinforcing bars may be spliced with a minimum lap of 48 times the bar diameter UON.
8. Reinforce all walls with 9 gage continuous ladder type reinforcing at 16" vertical spacing UON on plans.
9. Spliced reinforcing bars shall occupy the same cell. Minimum lap splice shall be 48 times the bar diameter. Spliced bars need not be tied together.
10. Vertical reinforcement in walls shall be supported and secured against displacement at 6 foot intervals for #3 and #4 bars and 8 foot intervals for #5 and #6 bars.
11. The masonry contractor shall provide and place such special units as may be required to form all corners, returns, and offsets while maintaining the proper bond.
12. Where interior concrete masonry partitions intersect with other interior partitions or exterior walls, a masonry bond, or the equivalent in approved metal ties, shall be provided unless noted otherwise on the drawings.
13. Face shell bedding shall be used with complete coverage of face shells. Furrowing of the mortar shall not be permitted.
14. Mortar joints shall be 3/8" thick with full mortar coverage on vertical and horizontal face shells. Vertical joints shall be shoved tight.
15. Mortar joints for concrete masonry walls to be exposed or painted shall be struck off flush with wall surface and, when partially set, shall be firmly compacted with a pointing tool to a concave joint.
16. Backfilling against masonry walls shall not be permitted until sufficient lateral support is provided by the Contractor.
17. Provide bond beams at masonry elevations as shown on the Architectural and Structural Drawings. Bond beams shall have two #4 bars, continuous, unless otherwise noted.
18. All vertical reinforcing bars shall extend 6" minimum into bond beam at top of wall.

E. TIMBER TRUSS

All roof and floor trusses are to be pre-engineered trusses. Submit shop drawings sealed by a N.C. engineer for approval prior to fabrication.



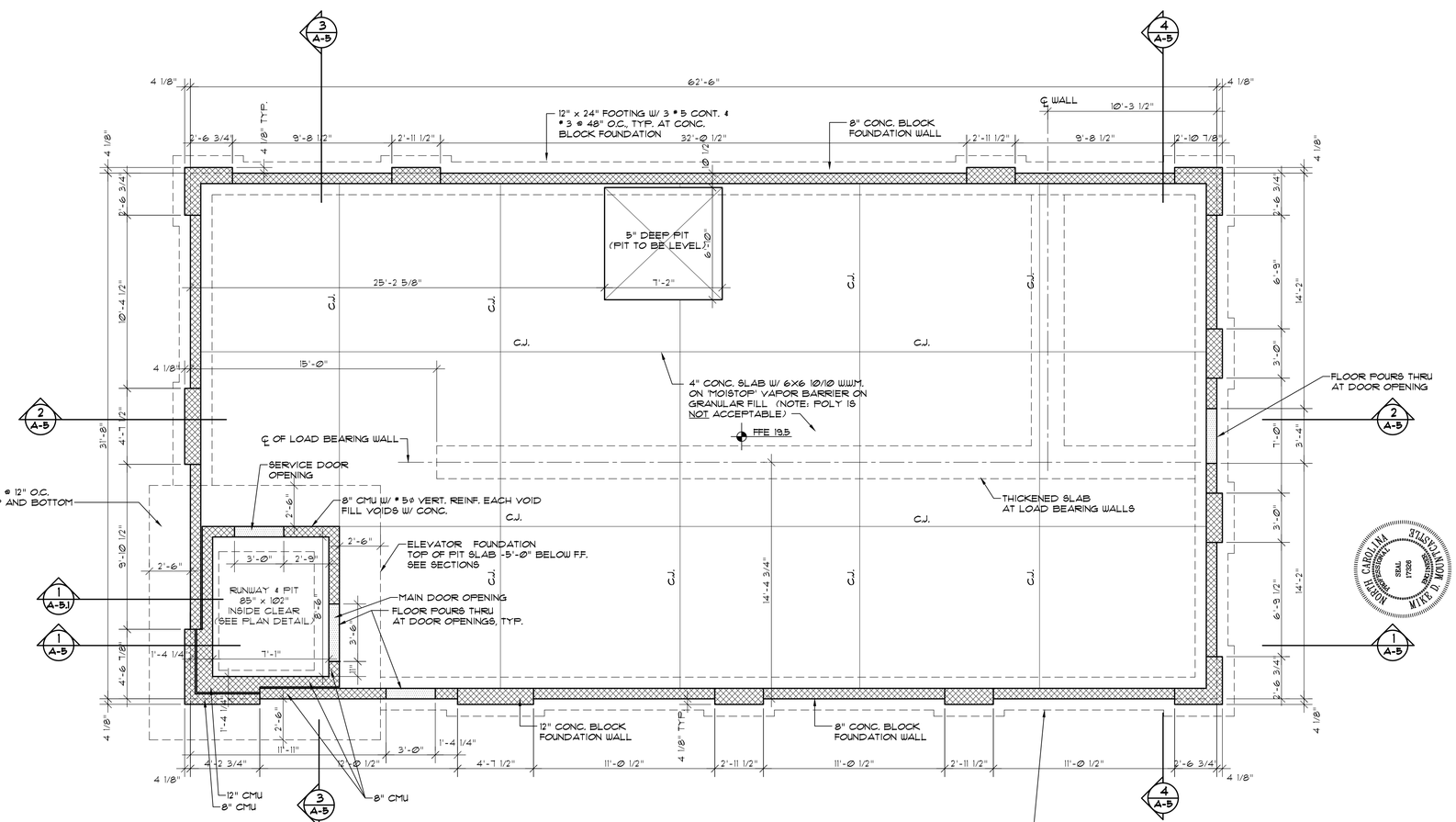
NOTES:

1.) SAW CUT JOINTS WITHIN 24 HOURS. CLEAN AND SEAL FULL DEPTH AFTER SEVEN DAYS.

2.) "T" DENOTES SLAB THICKNESS. SEE FOUNDATION PLAN FOR THICKNESS AND REINFORCING.

5 / S-3 CONSTRUCTION/CONTROL JOINT DETAIL

SCALE: 1"=1'-0"



1 / S-1 FOUNDATION PLAN

SCALE: 1/4"=1'-0"

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

Coastal Architecture PLLC

- Architectural Design
- Planning
- Interiors

AIA
Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net

4206 Bridges St. Ext., Suite C
Morehead City, NC 28557

www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE NEW OFFICE BUILDING

MOREHEAD CITY, NORTH CAROLINA

FOUNDATION PLAN

18004

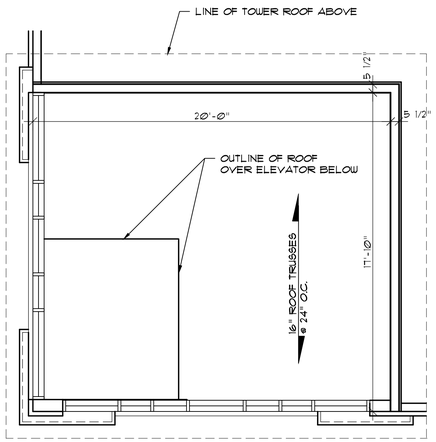
ISSUED:	8-10-18
DWG BY:	BLS
CKD BY:	LDD

REVISIONS

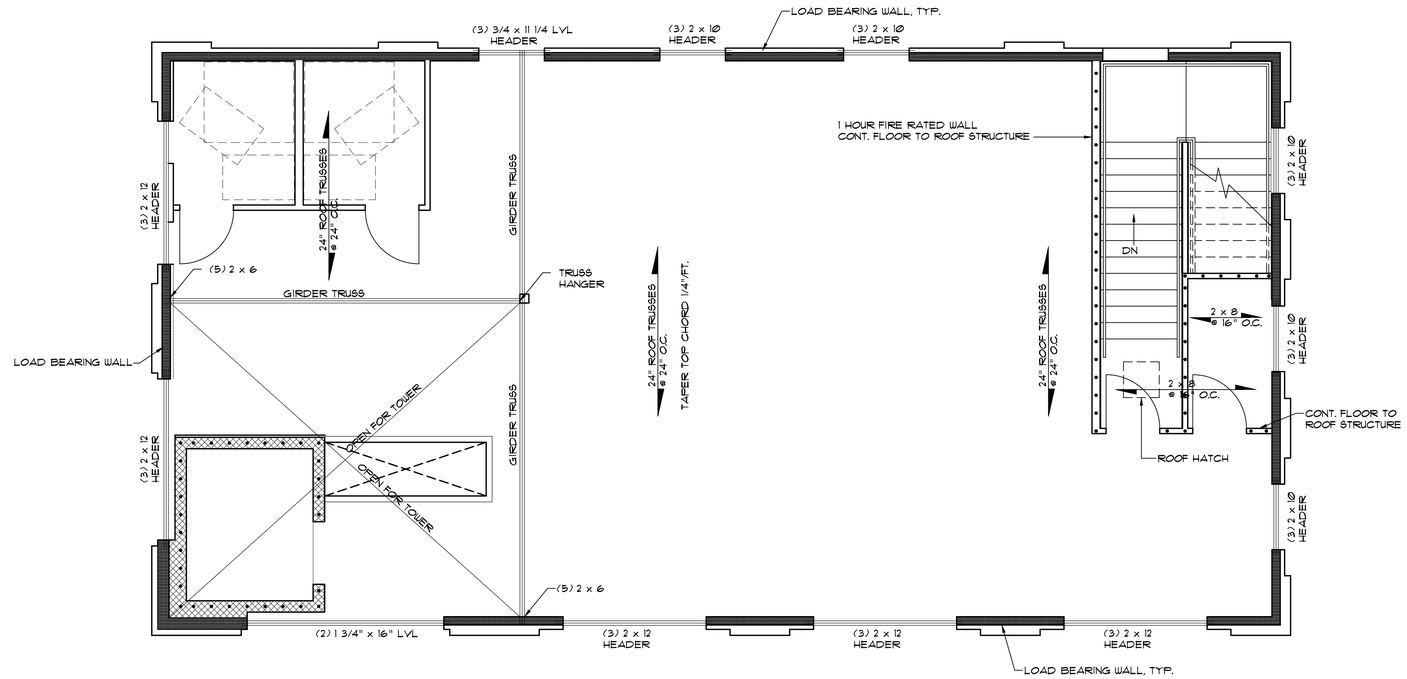
SHEET NO.

S-1

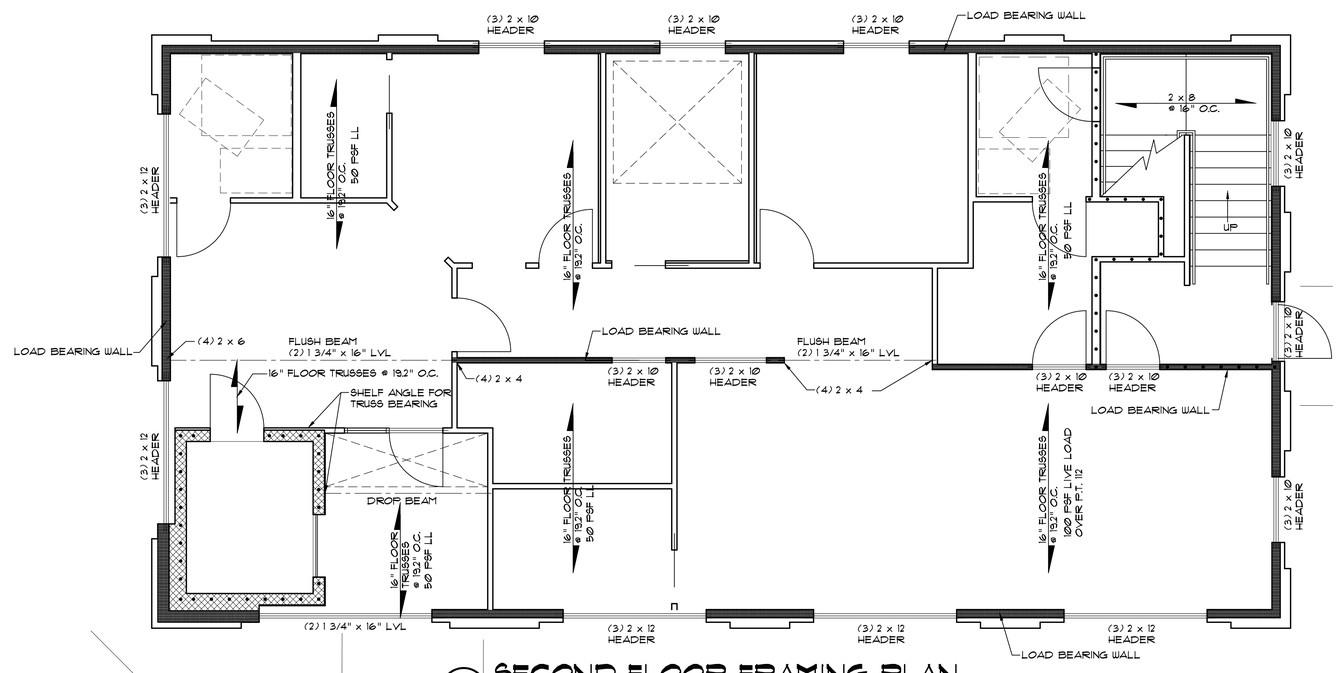
OF --



B / A-1 TOWER ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"



2 / S-1.1 ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"



1 / S-1.1 SECOND FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

Coastal Architecture PLLC
- Architectural Design
- Planning
- Interiors

AIA
Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA
252-247-2127
lee@coastalarchitecture.net

4206 Bridges St. Ext.,
Suite C
Morehead City, NC
28557

www.CoastalArchitecture.net

EAST COAST HEARING AND BALANCE
NEW OFFICE BUILDING
MOREHEAD CITY, NORTH CAROLINA

CONSULTING ARCHITECTURE, INC. CERT. NO. 31792 REGISTERED

NORTH CAROLINA PROFESSIONAL SEAL 17326 MIKE D. WOOD ARCHITECT

REGISTERED PROFESSIONAL ENGINEER 6419 MOREHEAD CITY, N.C.

SECOND AND ROOF FRAMING PLANS

18004

ISSUED:	8-10-18
DWG BY:	BLS
CKD BY:	LDD

REVISIONS

SHEET NO.
S-1.1
OF