ICE HOUSE RESTAURANT
FRONT ST. AND MOORE ST.

DRAWING LIST

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- Architectural Design
- Planning
- Interiors

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PRIMUS STRUCTURES

ICE HOUSE RESTAURANT
FRONT ST. AND MOORE ST.
SWANSBORO, NORTH CAROLINA

COASTAL ARCHITECTURE, PLLC — CERT. NO. C-2962 — NORTH CAROLINA BOARD OF EXAMINERS FOR ENGINEERING AND SURVEYING

LICENSED ARCHITECT — LEE D. DIXON, JR. — 6419 — NORTH CAROLINA

COVER SHEET

18044

ISSUED:	11/15/19
DWG BY:	BLS/MES
CKD BY:	LDD

REVISIONS

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APPENDIX B

2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

(EXCEPT ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES)

Name of Project: ICE HOUSE RESTAURANT
Address: SWANSBORO, NORTH CAROLINA — Zip Code 28584
Owner/Authorized Agent: LEE DIXON — Phone # (252) 247 - 2127 — E-Mail LEE@COASTALARCHITECTURE.NET
Owned By: ☐ City/County ☒ Private ☐ State
Code Enforcement Jurisdiction: ☒ City SWANSBORO ☐ County ☐ State

CONTACT:

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	Coastal Architecture	Lee Dixon	6419	(252) 247-2127	lee@coastalarchitecture.net
Civil	Crystal Coast Engineering PA	John Freshwater	C-2553	(910) 325-0006	johnfh2o@gmail.com
Electrical	Burke Design Group	Ben Burke	22038	(919) 771-1916	benburke@nc.rr.com
Fire Alarm	Burke Design Group	Ben Burke	22038	(919) 771-1916	benburke@nc.rr.com
Plumbing	Burke Design Group	Ben Burke	22038	(919) 771-1916	benburke@nc.rr.com
Mechanical	Burke Design Group	Ben Burke	22038	(919) 771-1916	benburke@nc.rr.com
Sprinkler-Standpipe				( )	
Structural	FDR	Derek Rabon	027349	(919) 957-5100	jfejfar@fdr-eng.com
Retaining Walls > 5 feet High				( )	
Other				( )	

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: ☒ New Building ☐ Addition ☐ Shell/Core ☐ Phased Construction—Shell Core ☐ 1st Time Interior Completions

2018 NC EXISTING BUILDING CODE: (check all that apply) ☐ Prescriptive ☐ Repair ☐ Chapter 14 ☐ Alteration Level I ☐ Alteration Level II ☐ Alteration Level III ☐ Historic Property ☐ Change of Use

CONSTRUCTED: (date) ________ CURRENT USE(S) (Ch. 3): ________
RENOVATED: (date) ________ PROPOSED USE(S) (Ch. 3): ________
OCCUPANCY CATEGORY (Table 1604.5): Current: ________ Proposed: ________

BASIC BUILDING DATA

Construction Type: (check all that apply) ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B ☐ IV ☐ V-A ☒ V-B
Sprinklers: ☐ No ☐ Partial ☒ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☐ No Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Primary Fire District: ☐ No ☐ Yes **Flood Hazard Area:** ☐ No ☐ Yes
Special Inspections Required: ☐ No ☐ Yes

GROSS BUILDING AREA TABLE

Floor	Existing (sq ft)	New (sq ft)	Subtotal
3rd Floor			
2nd Floor		3,229 (INC PLAZA)	-
Mezzanine			
1st Floor		3,914 (INC DECKS)	-
Basement		1,323	
TOTAL		8,466	-

ALLOWABLE AREA

Primary Occupancy Classification(s):
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
I-2 Condition ☐ 1 ☐ 2
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 ☐

Accessory Occupancy Classification(s): ________
Incidental Uses (Table 509): ________
This separation is not exempt as a Nonseparated Use (see exceptions).
Special Uses (Chapter 4 – List Code Sections): ________
Special Provisions: (Chapter 5 – List Code Sections): ________
Mixed Occupancy: ☐ No ☒ Yes Separation: No separation required per T508.4 Hr. Exception: ________
Non-separated Use (508.3)
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.

Select one

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

________ + ________ = ______ ≤ 1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.24 AREA	(C) AREA FOR FRONTAGE INCREASE1, 5	(D) ALLOWABLE AREA PER STORY OR UNLIMITED2, 3
WATER LEVEL	STORAGE S-2	1,323	40,500	0	40,500
1	DINING A-2	3,914	18,000	0	18,000
2	DINING A-2	3,229	18,000	0	18,000

1. Frontage area increases from Section 506.2 are computed thus: NOT REQUIRED
   a. Perimeter which fronts a public way or open space having 20 feet minimum width = ______ (F)
   b. Total Building Perimeter = ________ (P)
   c. Ratio (F/P) = ________ (F/P)
   d. W = Minimum width of public way = ________ (W)
2. Unlimited area applicable under conditions of Section 507.
3. Maximum Building Area = total number of stories in the building × D (maximum 3 stories) (506.2).
4. The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
5. Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	60		T504.3
Building Height in Stories (Table 504.4)	2	2	T504.4

1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (feet)	RATING REQ'D	RATING PROVIDED (W/ ______* REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame Including columns, girders, trusses	> 30	0	0				
Bearing Walls							
Exterior							
North	> 30	0	0				
East	< 30	0	0				
West							
South	> 30	0	0				
South	< 5	1	1	G-2			
Nonbearing walls and partitions Exterior walls							
North	> 30	0	0				
East	< 30	0	0				
West				FIREWALL			
South	> 30	0	0				
Interior walls and partitions							
Floor Construction Including supporting beams and joists							
Floor Ceiling Assembly		0	0				
Columns Supporting Floors		0	0				
Roof Construction, including supporting beams and joists							
Roof Ceiling Assembly		0	0				
Columns Supporting Roof							
Shaft Enclosures—Exit		1	1	G-3	U305		
Shaft Enclosures—Other							
Corridor Separation		0	0				
Occupancy/Fire Barrier Separation		0	0				
Party/Fire Wall Separation		2	2	G-3	U905/U308		
Smoke Barrier Separation		-					
Smoke Partition		-					
Tenant/Dwelling Unit/ Sleeping Unit Separation		N/A					
Incidental Use Separation		-					

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (feet) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
	SEE G-2		

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☒ Yes ☐ No
Exit Signs: ☒ Yes ☐ No
Fire Alarm: ☐ Yes ☒ No
Smoke Detection Systems: ☐ Yes ☒ No
Carbon Monoxide Detection: ☐ Yes ☒ No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: G-2
- ☒ Fire and/or smoke rated wall locations (Chapter 7)
- ☒ Assumed and real property line locations (if not on the site plan)
- ☒ Exterior wall opening area with respect to distance to assumed property lines (705.8)
- ☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- ☒ Occupant loads for each area
- ☒ Exit access travel distances (1017)
- ☒ Common path of travel distances [Tables 1006.2.1 & 1006.3.2(1)]
- ☒ Dead end lengths (1020.4)
- ☒ Clear exit widths for each exit door
- ☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- ☒ Actual occupant load for each exit door
- N/A A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
- ☒ Location of doors with panic hardware (1010.1.10)
- N/A Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
- N/A Location of doors with electromagnetic egress locks (1010.1.9.9)
- N/A Location of doors equipped with hold-open devices
- N/A Location of emergency escape windows (1030)
- N/A The square footage of each fire area (202)
- N/A The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
- ☒ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107)

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
		N/A					

ACCESSIBILE PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES: REQUIRED	PROVIDED	# OF ACCESSIBLE SPACES PROVIDED: REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	TOTAL # ACCESSIBLE PROVIDED
	N/A					
TOTAL						

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE		WATERCLOSETS Male	Female	Unisex	URINALS	LAVATORIES Male	Female	Unisex	SHOWERS/ TUBS	DRINKING FOUNTAINS Regular	Accessible
SPACE	EXIST'G										
	NEW		N/A								
	REQ'D										

SPECIAL APPROVALS

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

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 versus the annual energy cost for the proposed design.

Existing building envelope complies with code: ☐ (If checked, the remainder of this section is not applicable.)

Exempt Building: ☐ Provide code or statutory reference: ________

Climate Zone: ☒ 3A ☐ 4A ☐ 5A

Method of Compliance:
Energy Code: ☐ Performance ☒ Prescriptive
ASHSAE 90.1: ☐ Performance ☐ Prescriptive
Other: ☐ Performance (specify source) ________

THERMAL ENVELOPE: (Prescriptive method only)
Roof/ceiling Assembly (each assembly)
- Description of assembly: TPO ON TAPERED INSULATION ON PLYWOOD ON TRUSSES W/ R19 FOAM IN PLACE INSULATION
- U-Value of total assembly: 0.02
- R-Value of insulation: R45
- 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: SIDING ON 30# FELT ON PLYWOOD ON 2X6 STUDS W/ R19 INSULATION AND 5/8" GWB
- U-Value of total assembly: 0.04
- R-Value of insulation: R19
- Openings (windows or doors with glazing)
  - U-Value of assembly: ≤ 0.30
  - Solar heat gain coefficient: ≤ 0.25
  - projection factor: 0
  - Door R-Values: ≤ 0.30

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

Floors over unconditioned space (each assembly)
- Description of assembly: FLOOR TRUSSES, 3/4" PLYWOOD R19 INSULATION, HARDIE BOARD
- U-Value of total assembly: 0.04
- R-Value of insulation: R19

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

STRUCTURAL DESIGN

SEE STRUCTURAL

DESIGN LOADS:
Importance Factors: Wind (IW) ________ Snow (IS) ________ Seismic (IE) ________
Live Loads: Roof ________ psf Mezzanine ________ psf Floor ________ psf
Ground Snow Load: ________ **psf**
Wind Load: Basic Wind Speed ________ mph (ASCE-7) Exposure Category ________
SEISMIC DESIGN CATEGORY: ☐ A ☐ B ☐ C ☐ D

Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5) ☐ I ☐ II ☐ III ☐ IV
Spectral Response Acceleration SS________ %g S1________ %g
Site Classification (ASCE 7) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
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
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 ________ psf
Pile size, type, and capacity ________

MECHANICAL DESIGN

MECHANICAL SUMMARY

SEE MECHANICAL

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: ________

ELECTRICAL DESIGN

ELECTRICAL SUMMARY

SEE ELECTRICAL

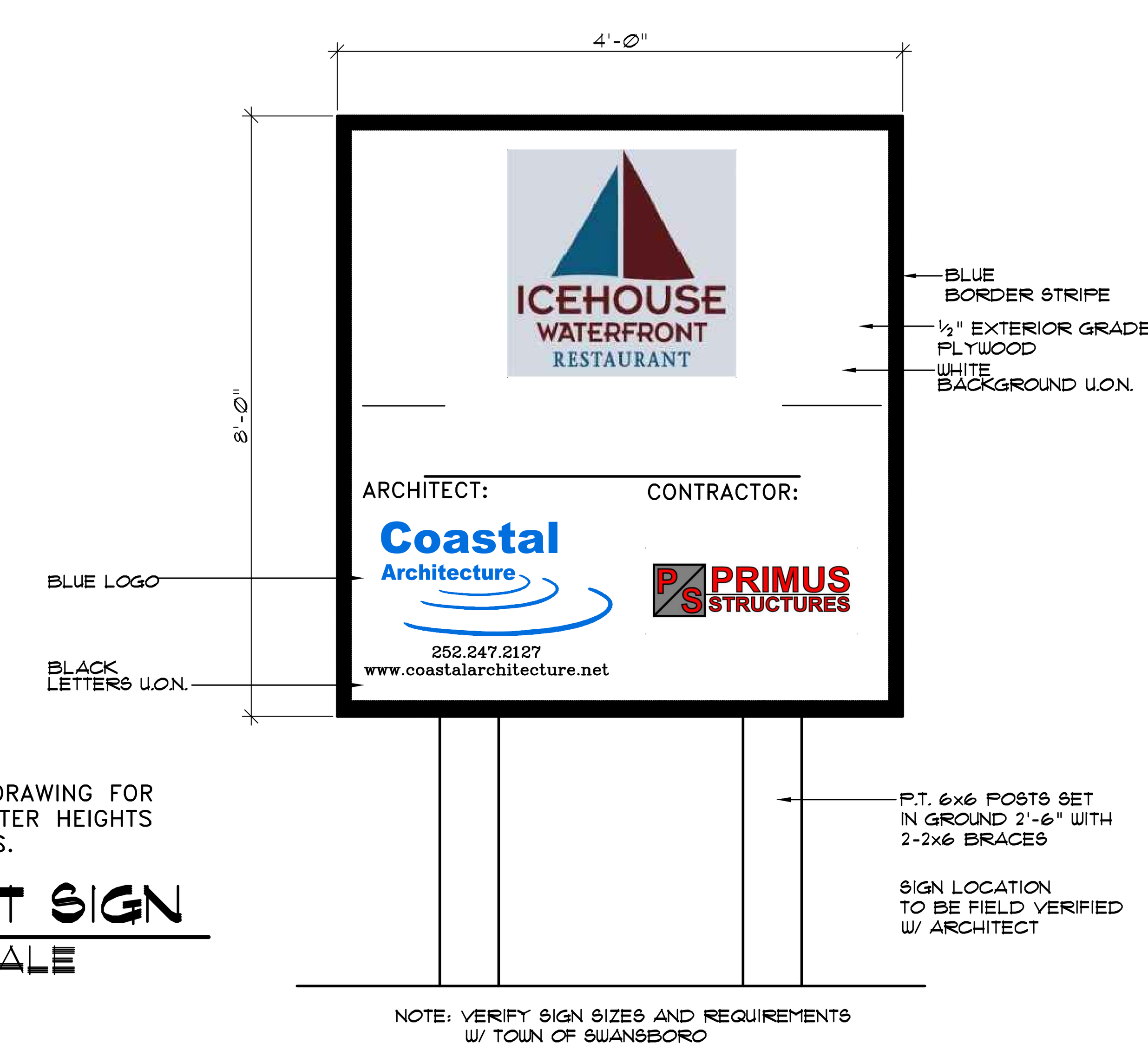
ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:
Energy Code: ☐ Prescriptive ☐ Performance
ASHRAE 90.1: ☐ Prescriptive ☐ Performance

Lighting schedule (each fixture type)
- 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 versus allowed (whole building or space by space)
- total exterior wattage specified versus 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

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

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

GENERAL DATA

18050

ISSUED: 11/15/19
DWG BY: MES/BLS
CKD BY: LDD
REVISIONS

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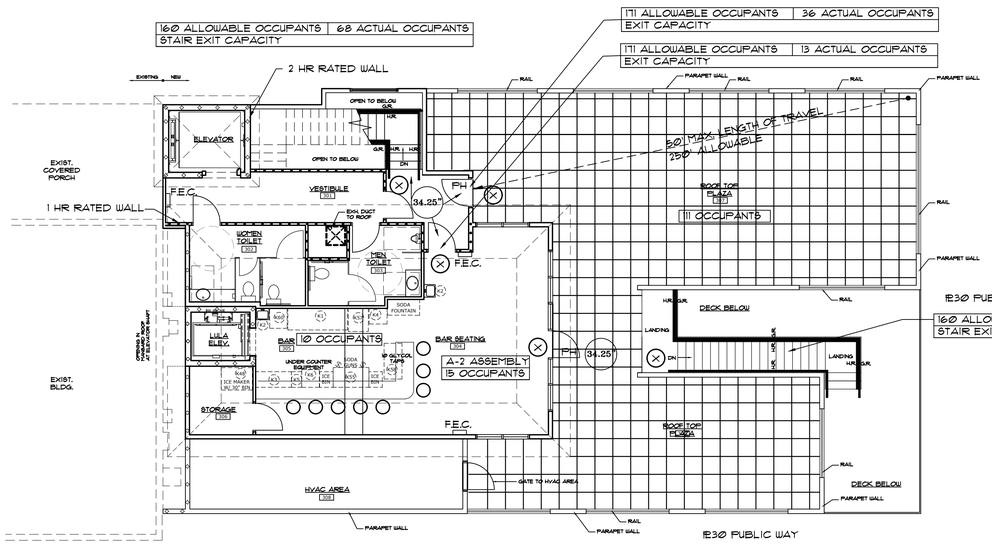
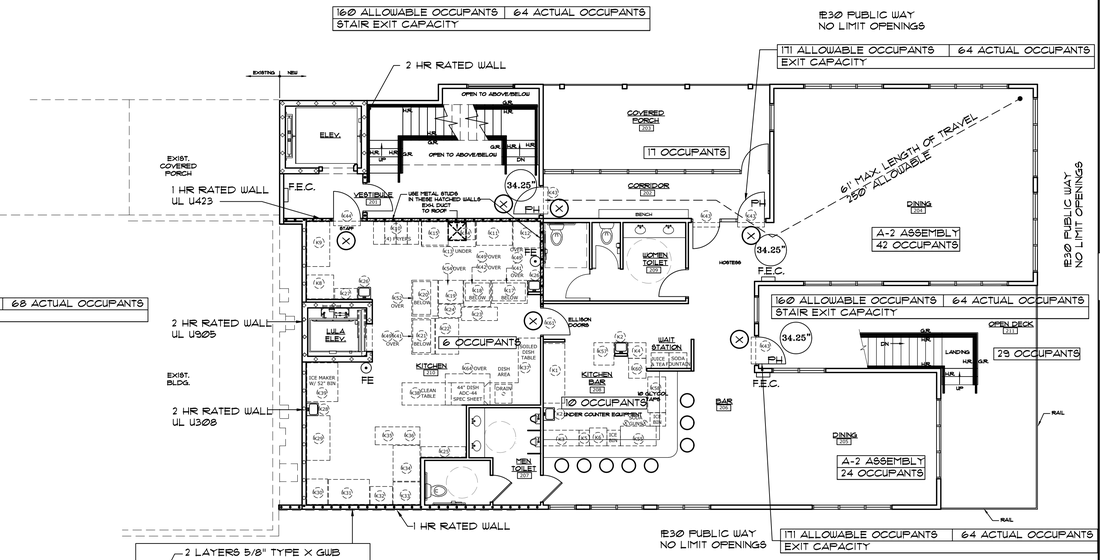
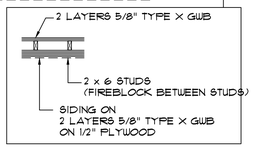
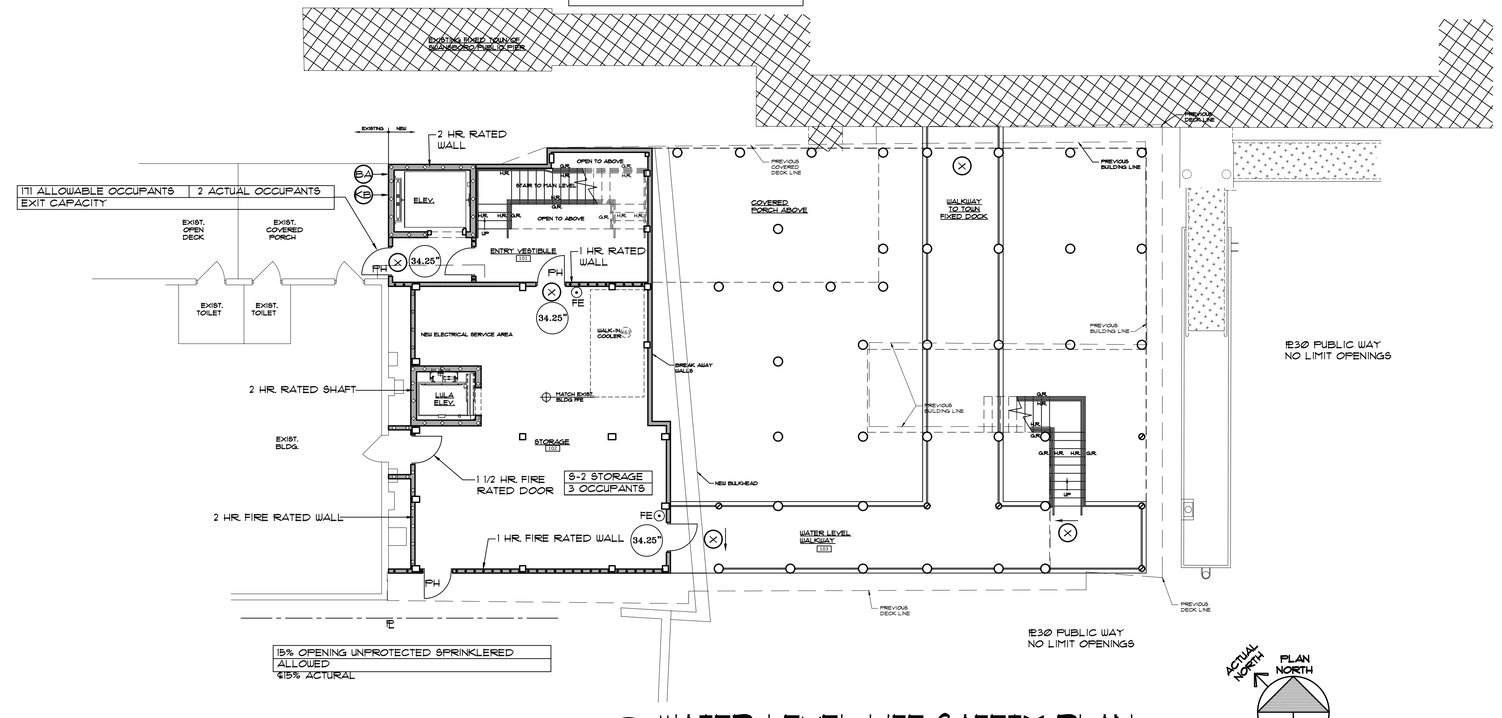


3 G-2 **ROOF PLAZA LIFE SAFETY PLAN**
SCALE: 1/8"=1'-0"



2 G-2 **MAIN LEVEL LIFE SAFETY PLAN**
SCALE: 1/8"=1'-0"





1 G-2 **WATER LEVEL LIFE SAFETY PLAN**
SCALE: 1/8"=1'-0"

OCCUPANCY/LOAD TYPE KEYING:

A-2 = ASSEMBLY
S-2 = STORAGE

LEGEND:

FE ⊙	= FIRE EXTINGUISHER ON STANDARD HOOK
⌐ F.E.C.	= FIRE EXTINGUISHER AND CABINET LARSEN SEMI-RECESSED FS 2409-R3 BRUSHED CHROME W/ MP5 FIRE EXTINGUISHER
● ● ● ●	1 HR RATED WALL (UL U305)
◇ ◇ ◇ ◇	2 HR RATED WALL (U.L. U305) AND (UL U308)
	1 HR SHAFT WALL, METAL STUDS, 5/8" GWB
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
P.H.	PANIC HARDWARE

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- Interiors

AIA
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CERT. NO. 57792 — NORTH CAROLINA BOARD OF EXAMINERS FOR ENGINEERING AND SURVEYING — CERTIFICATE OF AUTHORIZATION — ARCHITECTURE/PLC

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

LIFE SAFETY PLAN

18050

ISSUED: 11/15/19
DWG BY: MES/BLS
CKD BY: LDD
REVISIONS

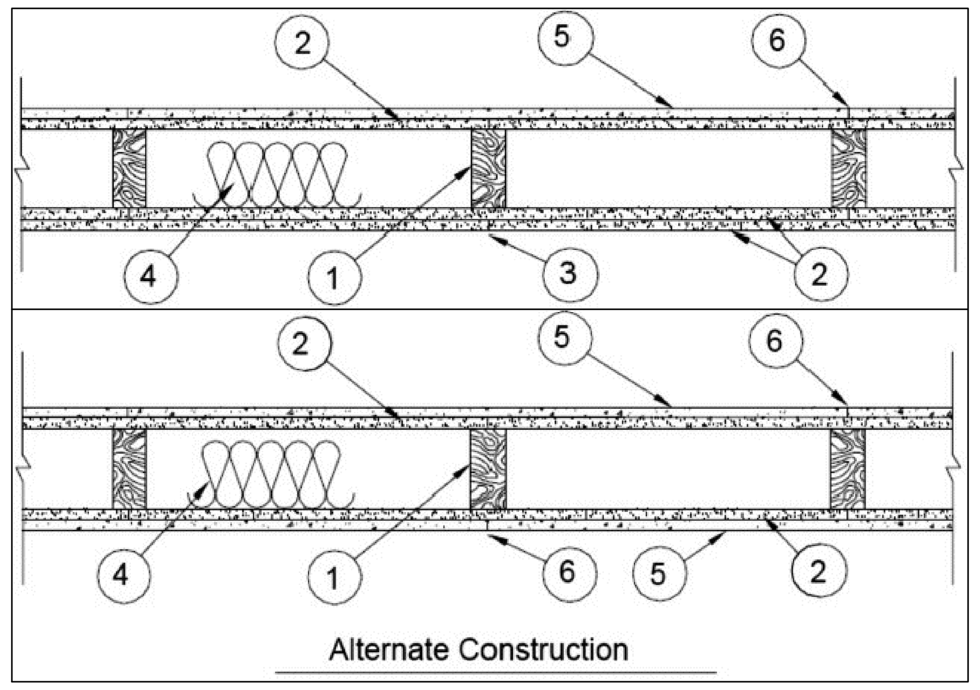
ACTUAL NORTH / PLAN NORTH

SHEET NO.
G-2
OF

Design No. U308

September 26, 2006

Bearing Wall Rating -- 2 Hr



1. **Wood Studs --** Nom 2 by 4 in. spaced 16 in. OC, effectively cross-braced.

2. **Gypsum Board* --** 5/8 in. thick, with square or tapered edges, applied vertically or horizontally with vertical joints centered over studs. Horizontal joints need not be backed by framing. Base layer fastened to studs and plates with 1-7/8 in. long 6d cement coated nails or 1-7/8 in. long Type S or W screws spaced 6 in. OC. Face layer fastened to studs and plates over base layer with 2-3/8 in. long 6d cement coated nails or 2-1/4 in. long Type S or W screws spaced 8 in. OC. Face layer joints offset min 12 in. from base layer joints. When used in widths other than 48 in., gypsum panels to be installed horizontally.

CANADIAN GYPSUM COMPANY -- Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

UNITED STATES GYPSUM CO -- Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

USG MEXICO S A DE C V -- Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

3. **Joints --** When tapered edge gypsum board is used, for the face layer joints covered with joint compound and paper tape. As an alternate, gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with joints reinforced. When square-edge gypsum board is used, treatment of joints is optional.

4. **Batts and Blankets* --** Min 3 in. thick, mineral wool batts, friction fit between studs.

THERMAFIBER INC -- Type SAFB

5. **Cementitious Backer Units* --** 1/2 or 5/8 in. thick, installed vertically or horizontally with vertical joints centered over studs. Fastened to studs and plates with corrosion resistant 2-1/4 in. long chamfered, ribbed wafer head screws with a minimum head diameter of .400 inch spaced 8 in. OC. Joints offset min 12 in. from base layer joints.

UNITED STATES GYPSUM CO -- DUROCK Exterior Cement Board or DUROCK Brand Cement Board.

6. **Joints --** Covered with glass fiber mesh tape and latex modified portland cement mortar or basecoat, or Type I organic adhesive.

7. **Vapor Retarder, Water Barrier or Weather Resistive Barrier --** (Optional, not shown) -- As required

*Bearing the UL Classification Mark

Filename = BXUV.U308
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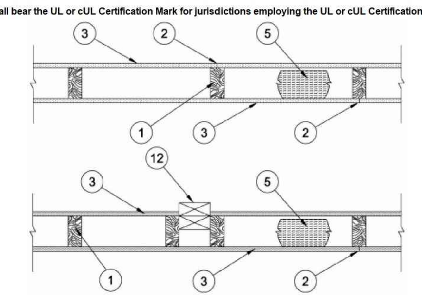
Design No. U305
June 28, 2019
Bearing Wall Rating — 1 Hr

Finish Rating — See Items 3, 3A, 3D, 3E, 3F, 3G, 3H, 3J and 3L.

STC Rating - 56 (See Item 9)

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. **Wood Studs —** Nom 2 by 4 in. spaced 16 in. OC max, effectively firestopped.

2. **Joints and Nail-Heads —** Joints covered with joint compound and paper tape. Joint compound and paper tape may be omitted when square edge boards are used. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with the joints reinforced with paper tape. Nailheads exposed or covered with joint compound.

3. **Gypsum Board* —** 5/8 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths other than 48 in., gypsum panels are to be installed horizontally. For an alternate method of attachment of gypsum panels, refer to Items 6 through 6F, **Steel Framing Members***.
When Items 6, 6B, 6C, 6D, 6E, or 6F, **Steel Framing Members***, are used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.

When Item 6A, **Steel Framing Members***, is used, two layers of gypsum panels attached to furring channels. Base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC. Face layer attached to furring channels with 1-5/8 in. long Type S bugle-head steel screws spaced 12 in. OC. All joints in face layers staggered with joints in base layers. One layer of gypsum board attached to opposite side of wood stud without furring channels as described in Item 3.

When Item 7, resilient channels are used, 5/8 in. thick, 4 ft wide gypsum panels applied vertically. Screw attached furring channels with 1 in. long, self-drilling, self-tapping Type S or S-12 steel screws spaced 8 in. OC, vertical joints located midway between studs.

CABOT MANUFACTURING ULC — Type X (finish rating 22 min), 5/8 Type X, Moisture Resistant Type X, Gypsum Sheathing Type X, Mold & Mildew Resistant Type X and Mold & Mildew Resistant AR Type X, Type Blueglass Exterior Sheathing

AMERICAN GYPSUM CO — Types AGX-1(finish rating 23 min.), M-Glass (finish rating 23 min.), Type AGX-11 (finish rating 26 min), Type AGX-12 (finish rating 22 min), Type LightRoc (finish rating 23 min.) or Type AG-C

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1 (finish rating 24 min)

CERTAINTEED GYPSUM INC — Type 1, Type SF3 (finish rating 20 min) or FRPC; Type C., Type X or Type X-1 (finish rating 26 min); Type EGRG or GlasRoc (finish rating 23 min), GlasRoc-2, Type Habito (finish rating 26 min).

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min)

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC6A (finish rating 34 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX (finish rating 21 min), Type CLLX (finish rating 24 min)

GEORGIA-PACIFIC GYPSUM L L C — Type 5 (finish rating 26 min), Type 6 (finish rating 23 min), Type 9 (finish rating 26 min), Type C (finish rating 26 min), Type DGG (finish rating 20 min), Type GPFS1 (finish rating 20 min), Type GPFS2 (finish rating 20 min), Type GPFS6 (finish rating 26 min), Type DS, Type DAP, Type DD (finish rating 20 min), Type DA, Type DAPC, Type LS (finish rating 23 min), Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, Type LWX (finish rating 22 min), Veneer Plaster Base-Type LWX (finish rating 22 min), Water Rated-Type LWX (finish rating 22 min), Sheathing Type-LWX (finish rating 22 min), Soffit-Type LWX (finish rating 22 min), Type DGLW (finish rating 22 min), Water Rated-Type DGLW (finish rating 22 min), Sheathing Type- DGLW (finish rating 22 min), Soffit-Type DGLW (finish rating 22 min), Type LWX (finish rating 22 min), Type LW2X (finish rating 22 min), Veneer Plaster Base - Type LW2X (finish rating 22 min), Water Rated - Type LW2X (finish rating 22 min), Sheathing - Type LW2X (finish rating 22 min), Soffit - Type LW2X (finish rating 22 min), Type DGL2W (finish rating 22 min), Water Rated - Type DGL2W (finish rating 22 min), Sheathing - Type DGL2W (finish rating 22 min)

NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSW-C (finish rating 20 min), Type FSMR-C, Type FSW-6 (finish rating 20 min), Type FSL (finish rating 24 min), Type FSW-8, Type FSLX (finish rating 21 min).

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-2 (finish rating 20 min), PG-3 (finish rating 20 min), Types PG-3W, PG-5W (finish rating 20 min), Type PG-4 (finish rating 20 min), Type PG-6 (finish rating 23 min), Types PG-3WS, PG-5WS, PGS-WRS (finish rating 20 min), Types PG-5, PG-9 (finish rating 26 min), PG-11 PG-13 (Nails increased to 2 in.), or Type PG-C

PANEL REY S A — Type GREX, GRIX, PRX, PRC, PRC2; Types RHX, Guard Rey, MDX, ETX (finish rating 22 min)

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1 (finish rating 26 min)

THAI GYPSUM PRODUCTS PCL — Type C, Type X (finish rating 26 min)

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FRX-G (finish rating 29 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX (finish rating 24 min), Type SGX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type ULIX (finish rating 20 min)

USG BORAL DRYWALL SFZ LLC — Type SGX (finish rating 24 min).

USG MEXICO S A DE C V — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), SCX (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type ULX (finish rating 22 min)

3A. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths of other than 48 in., gypsum boards are to be installed horizontally.
AMERICAN GYPSUM CO — Types AGX-1 (finish rating 25 min.), M-Glass (finish rating 25 min.), AG-C (finish rating 25 min.), LighttRoc (finish rating 25 min.)

CERTAINTEED GYPSUM INC — Type C, Type X or Type X-1 (finish rating 26 min)

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min)

NATIONAL GYPSUM CO — Type FSW (finish rating 24 min)

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type SCX (finish rating 24 min), Type SGX (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type FRX-G (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX (finish rating 24 min).

USG MEXICO S A DE C V — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX, Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min)

3B. **Gypsum Board* —** (As an alternate to Item 3) — Nom 3/4 in. thick, installed with 1-7/8 in. long cement coated nails as described in Item 3 or 1-3/8 in. long Type W coarse thread gypsum panel steel screws as described in Item 3A.
CGC INC — Types AR, IP-AR

UNITED STATES GYPSUM CO — Types AR, IP-AR

USG MEXICO S A DE C V — Types AR, IP-AR

3C. **Gypsum Board* —** (As an alternate to Items 3, 3A and 3B) — 5/8 in. thick, 2 ft wide, tongue and groove edge, applied horizontally to one side of the assembly. Installed with 1-7/8 in. long cement coated nails as described in Item 3 or 1-1/4 in. long Type W coarse thread gypsum panel steel screws as described in Item 3A. Joint covering (Item 2) not required.
CGC INC — Type SHX

UNITED STATES GYPSUM CO — Type SHX

USG MEXICO S A DE C V — Type SHX

3D. **Gypsum Board* —** (As an alternate to Items 3, 3A, 3B, or 3C — Not Shown) — For Direct Application to Studs Only- Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs or tabs may be used in lieu of or in addition to the lead batten strips or optional at other locations. Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards underneath screw locations prior to the installation of the screws. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
RAY-BAR ENGINEERING CORP — Type RB-LBG (finish rating 24 min)

3E. **Gypsum Board* —** (As an alternate to Items 3, 3A, 3B, 3C, and 3D) — 5/8 in. thick gypsum panels, with square edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last 2 screws 1 and 4 in. from edge of board or nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths of other than 48 in., gypsum boards are to be installed horizontally.
GEORGIA-PACIFIC GYPSUM L L C — Type DGG (finish rating 20 min), GreenGlass Type X (finish rating 23 min)

3F. **Gypsum Board* —** (As an alternate to Items 3, 3A, 3B, 3C, 3D, and 3E) — 5/8 in. glass-mat faced with square edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC around the perimeter and in the field with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Nails shall be placed 1 inch and 3 inch from horizontal joints and 7 inch OC thereafter.
CGC INC — Type USGX (finish rating 22 min)

UNITED STATES GYPSUM CO — Type USGX (finish rating 22 min.)

USG BORAL DRYWALL SFZ LLC — , Type USGX (finish rating 22 min.)

USG MEXICO S A DE C V — Type USGX (finish rating 22 min.)

3G. **Gypsum Board* —** (As an alternate to Items 3 through 3F) — 5/8 in. thick paper surfaced applied vertically. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads.
GEORGIA-PACIFIC GYPSUM L L C — Type X ComfortGuard Sound Deadening Gypsum Board (finish rating 27 min)

3H. **Gypsum Board* —** (As an alternate to Items 3) — Not to be used with items 6 or 7. 5/8 in. thick paper surfaced applied vertically only. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads.
NATIONAL GYPSUM CO — SoundBreak XP Type X Gypsum Board

3I. **Gypsum Board* —** (As an alternate to Items 3 through 3H, Not Shown) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically. Panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Panel joints covered with paper tape and two layers of joint compound. Nailheads covered with two layers of joint compound.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES (finish rating 20 min)

3J. **Gypsum Board* —** (As an alternate to Item 3) — Not to be used with items 6 or 7. 5/8 in. thick paper surfaced applied vertically or horizontally. Gypsum panels secured per item 3 or 3A.
CERTAINTEED GYPSUM INC — Type SilentFX

3K. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 8 in. OC with the last screw 1 in. from the edge of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSW-C (finish rating 20 min), Type FSMR-C, Type FSW-6 (finish rating 20 min), Type FSL (finish rating 24 min).

3L. **Gypsum Board* —** (As an alternate to Item 3) — For Direct Application to Studs Only — Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick. compression fitted or adhered over the screw heads. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D".
MAYCO INDUSTRIES INC — "X-Ray Shielded Gypsum"

3M. **Gypsum Board* —** (As an alternate to Items 3) — For Direct Application to Studs Only — For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4.
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

3N. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick, 4 ft. wide, applied horizontally or vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Secured as described in Item 3 or 3A.
CERTAINTEED GYPSUM INC — Easi-Lite Type X (finish rating 24 min), Easi-Lite Type X-2 (finish rating 24 min)

3O. **Wall and Partition Facings and Accessories* —** (As an alternate to Item 3, Not Shown) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically. Panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Panel joints covered with paper tape and two layers of joint compound. Nailheads covered with two layers of joint compound.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527 (finish rating 24 min).

3P. **Gypsum Board* —** (As an alternate to Item 3, Not Shown) — Two layers nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by wood studs. Horizontal joints on the same side between face and base layers need not be staggered. Base layer gypsum panels fastened to studs with 1-1/4 in. long drywall nails spaced 8 in. OC. Face layer gypsum panels fastened to studs with 1-7/8 in. long drywall nails spaced 8 in. OC starting with a 4" stagger.
NATIONAL GYPSUM CO — Type FSW (finish rating 25 min)

3Q. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 10 in. OC with the last two screws 4 and 1 in. from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC6A (finish rating 21 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX

3R. **Gypsum Board* —** (As an alternate to Item 3. For use with Item 5H) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 3 above. Applied either horizontally or vertically, and screwed to panels with 1-5/8 in. long Type W coarse thread steel screws at 8 in. OC at perimeter and in the field with the last two screws 4 and 3/4 in. from the edges of the board when applied as the base layer. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
3S. **Gypsum Board* —** 3/4 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels secured as described in Item 3 with nail length increased to 2 in.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-13

3T. **Wall and Partition Facings and Accessories* —** (As an alternate to 5/8 in. thick board as outlined in Item 3) — Nominal 1-3/8 in. thick, 4 ft wide panels, applied vertically or horizontally. Fastened with #6 x 2 in. long drywall screws spaced 8 in. OC along the perimeter and 12 in. OC in the field.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 545

4. **Steel Corner Fasteners —** (Optional) — For use at wall corners. Channel shaped, 2 in. long by 1 in. high on the back side with two 1/8 in. wide cleats protruding into the 5/8 in. wide channel, fabricated from 24 gauge galv steel. Fasteners applied only to the end or cut edge (not along tapered edges) of the gypsum board, no greater than 2 in. from corner of gypsum board, max spacing 16 in. OC. Nailed to adjacent stud through tab using one No. 6d cement coated nail per fastener. Corners of wall board shall be nailed to top and bottom plate using No. 6d cement coated nails.
5. **Batts and Blankets* —** (Optional — Required when Item 6A is used (RC-1)) — Glass fiber or mineral wool insulation. Placed to completely or partially fill the stud cavities. When Item 6A is used, glass fiber or mineral wool insulation shall be friction-fitted to completely fill the stud cavities.
CERTAINTEED CORP

JOHNS MANVILLE

KNAUF INSULATION LLC

MANSON INSULATION INC

ROCK WOOL MANUFACTURING CO — Delta Board

ROCKWOOL — Acoustical Fire Batts

THERMAFIBER INC — Type SAFB, SAFB FF

5A. **Fiber, Sprayed* —** (Not Shown — Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product. When Item 6B is used, Fiber, Sprayed shall be INS735, INS745, INS765LD or INS770LD.
U S GREENFIBER L L C — INS735& INS745 for use with wet or dry application. INS510LD, INS515LD, INS541LD, INS735, INS745, INS765LD, and INS770LD are to be used for dry application only

5B. **Fiber, Sprayed* —** (Not Shown - Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC — Cellulose Insulation

5C. **Batts and Blankets* —** Required for use with resilient channels, Item 7, 3 in. thick mineral wool batts, friction-fitted to fill interior of wall.

THERMAFIBER INC — Type SAFB, SAFB FF

5D. **Glass Fiber Insulation —** (As an alternate to Item 5C) — 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, friction-fitted to fill the interior of the wall. See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.
5E. **Batts and Blankets* —** (Required for use with Wall and Partition Facings and Accessories, Item 3D) — Glass fiber insulation, nom 3-1/2 in. thick, min. density of 0.80 pcf, with a flame spread of 25 or less and a smoke developed of 50 or less, friction-fitted to completely fill the stud cavities. See Batts and Blankets Category (BKNV) for names of manufacturers.
5F. **Fiber, Sprayed* —** (Optional, Not Shown — Not for use with Items 6, 6A, 6B, 6C, or 6D) — As an alternate to Batts and Blankets (Item 5) and Item 5A - Spray applied granulated mineral fiber material. The fiber is applied with adhesive, at a minimum density of 4.0 pcf, to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See **Fiber, Sprayed** (CCAZ).
AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

5G. **Fiber, Sprayed* —** (Optional, Not Shown — Not for use with Items 6, 6A, 6B, 6C, or 6D). — As an alternate to Batts and Blankets (Item 5) and Item 5A - Brown Colored Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed stud cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft³.
INTERNATIONAL CELLULOSE CORP — Celbar-RL

5H. **Foamed Plastic* —** (Optional -For use with Item 3R) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.
SES FOAM INC — Nexseal™ 2.0 or Nexseal™ 2.0 LE Spray Foam and Sucraseal Spray Foam.

5I. **Fiber, Sprayed* —** (Not Shown — Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) - Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft³.
APPLEGATE HOLDINGS L L C — Applegate Advanced Stabilized Cellulose Insulation

6. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.
b. **Steel Framing Members* —** Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels.
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75)

6A. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members on one side of studs as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 3.
b. **Steel Framing Members* —** Used to attach furring channels (Item 6Aa) to one side of studs only. Clips spaced 48 in. OC., and secured to studs 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.
KINETICS NOISE CONTROL INC — Type Isomax

6B. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.
b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ba) to studs. Clips spaced 48 in. OC. Genie clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
PLITEQ INC — Type Genie Clip

6C. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 3.
b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with No. 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

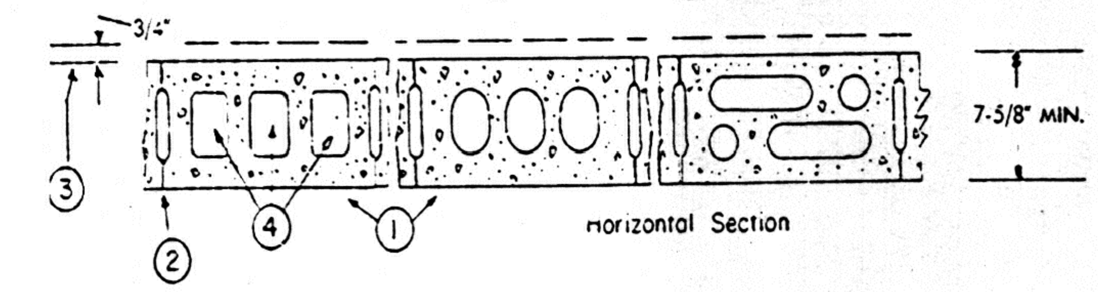
6D. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with a double strand of No. 18 AWG twisted steel wire. Gypsum board attached to furring channels as described in Item 3.
b. **Steel Framing Members* —** Used to attach furring channels (Item 6Da) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
REGUPOL AMERICA — Type SonusClip

6E. **Steel Framing Members* —** (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below:
a. **Resilient Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 3.
b. **Steel Framing Members* —** Used to attach resilient channels (Item 6Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.
KEENE BUILDING PRODUCTS CO INC - Type RC+ Assurance Clip

6F. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. or 1-1/2 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.
b. **Steel Framing Members* —** Used to attach furring channels (Item 6Fa) to studs. Clips spaced 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.
CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

7. **Furring Channel —** Optional — Not Shown — For use on one side of the wall - Resilient channels, 25 MSG galv steel, spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws. When resilient channels are used, insulation, Items 5C or 5D is required.
8. **Caulking and Sealants —** (Not Shown, Optional) — A bead of acoustical sealant applied around the partition perimeter for sound control.
9. **STC Rating —** The STC Rating of the

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

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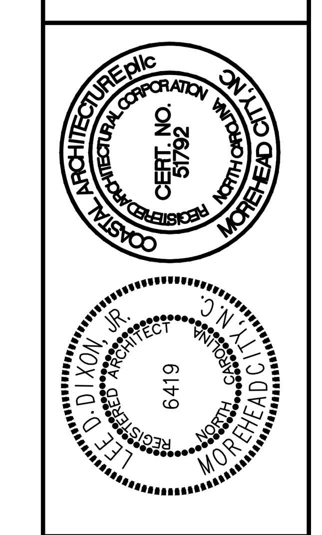
PRIMUS STRUCTURES

ICE HOUSE RESTUARANT
FRONT ST. & MOORE ST.
SWANSBORO, NORTH CAROLINA



UL RATINGS

18050

ISSUED: 11/15/19
DWG BY: MES
CKD BY: LDD
REVISIONS

SHEET NO.
G-3
OF

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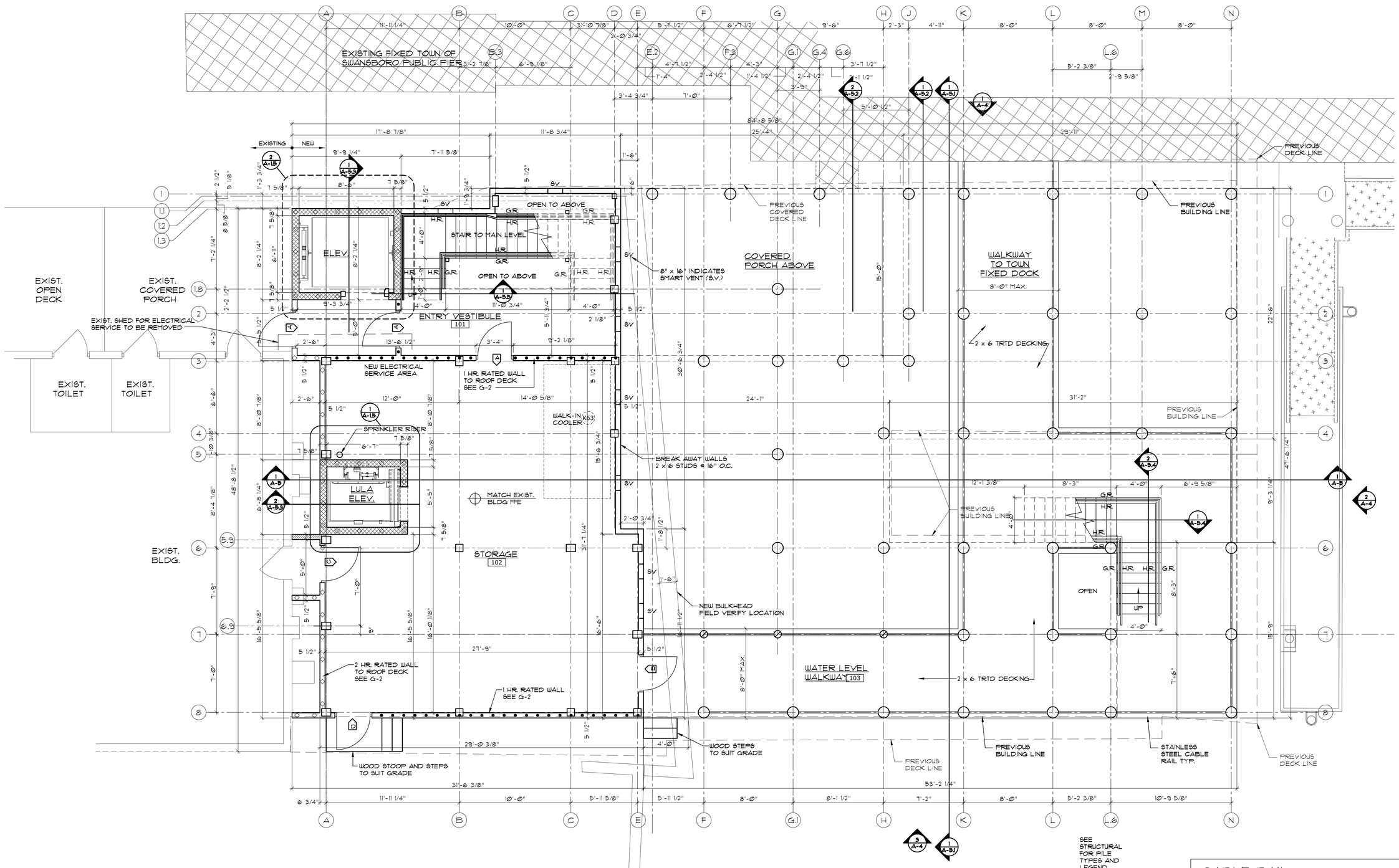

1/A-1 WATER LEVEL PLAN
SCALE: 1/4"=1'-0"

CABLE RAIL
- -Rainer Cable Railing System
- -Round Top Rail
- -Horizontal Infill
- -Finish: Brushed Stainless Steel
- -Mount: Top, or as Required
- -Provide Intermediates as Required

STAIR RAIL
-Similiar to Cable Rail System but with Guardrail and Handrails

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- Interiors

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PRIMUS STRUCTURES

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COASTAL ARCHITECTURE PLLC CERT. NO. C-2932 NORTH CAROLINA REGISTERED

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

WATER LEVEL PLAN

18050

ISSUED:	11/15/19
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REVISIONS	

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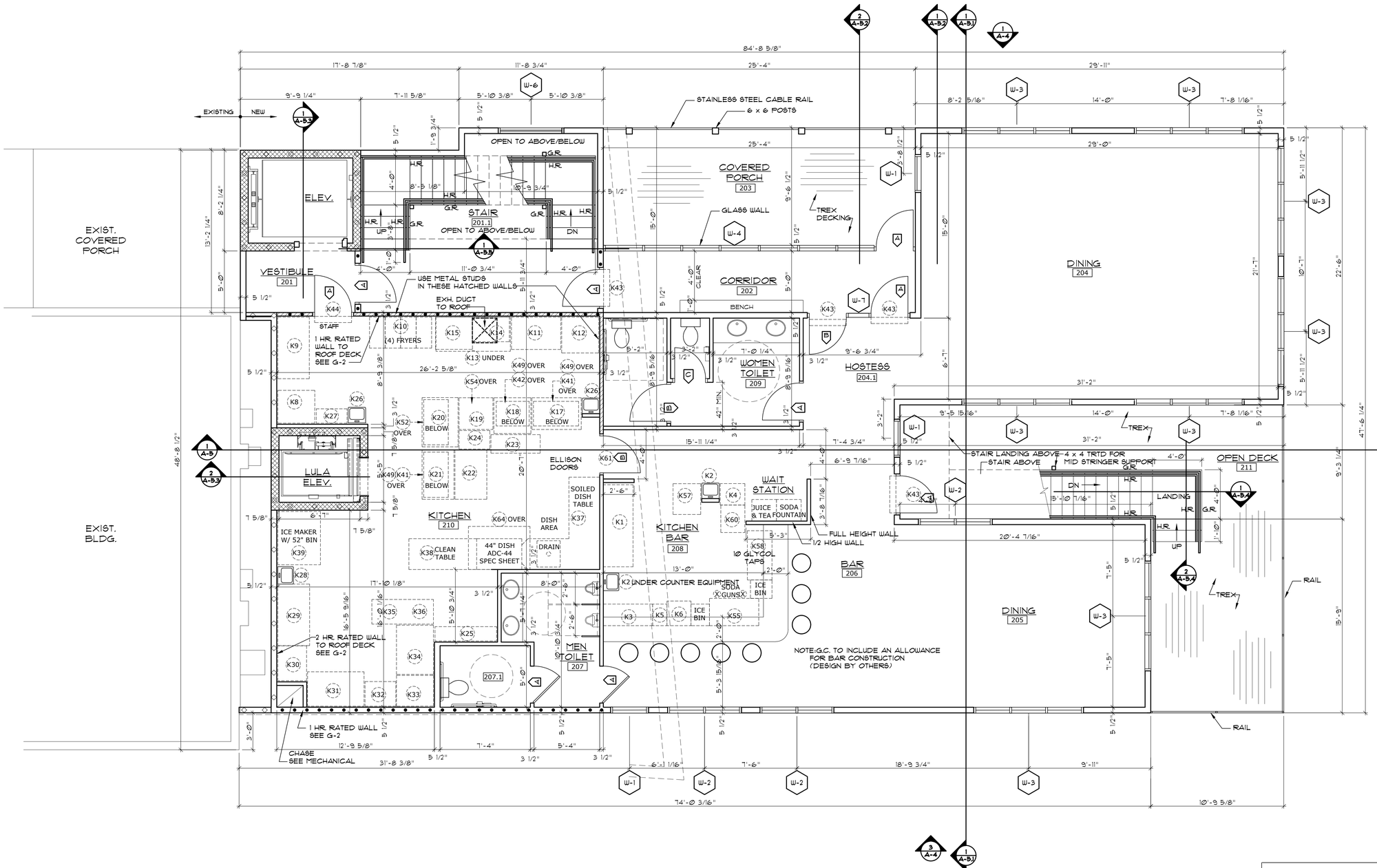

MAIN FLOOR PLAN

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

CABLE RAIL

- -Rainer Cable Railing System
- -Round Top Rail
- -Horizontal Infill
- -Finish: Brushed Stainless Steel
- -Mount: Top, or as Required
- -Provide Intermediates as Required

STAIR RAIL

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COASTAL ARCHITECTURE PLLC — CERTIFICATE OF AUTHORIZATION — CERT. NO. 51792 — NORTH CAROLINA BOARD OF EXAMINERS FOR ENGINEERS AND SURVEYORS

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

MAIN FLOOR PLAN

18050

ISSUED: 11/15/19
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CKD BY: LDD
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OF

ROOF TOP PLAZA PAVERS TO BE WESTILE LEVEL SYSTEM W/ PEDESTALS AND ACCESSORIES SUBMIT SHOP DRAWINGS AND LAYOUT FOR APPROVAL

EXISTING | NEW

EXIST. COVERED PORCH

EXIST. BLDG.

2 HR. RATED WALL SEE G-2

1 HR. RATED WALL

EXTEND ROOF OVER TO NEW WALL AND FLASH

OPENING IN MANSARD ROOF AT ELEVATOR SHAFT

ELEVATOR

STAIR 301.1

OPEN TO BELOW

OPEN TO BELOW GR

VESTIBULE 301

EXH. DUCT TO ROOF

WOMEN TOILET 302

MEN TOILET 303

LULA ELEV.

BAR 305

UNDER COUNTER EQUIPMENT

SODA GUNS

SODA FOUNTAIN

10 GLYCOL TAPS

ICE MAKER W/ 30" BIN

ICE BIN

BAR SEATING 304

STORAGE 306

NOTE: G.C. TO INCLUDE AN ALLOWANCE FOR BAR CONSTRUCTION (DESIGN BY OTHERS)

HVAC AREA 308

GATE TO HVAC AREA

ROOF TOP PLAZA 307

DECK BELOW

LANDING

RAIL

PARAPET WALL

HR

GR

DN

1 A-12 ROOF PLAZA PLAN

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

CABLE RAIL

-Rainer Cable Railing System
-Round Top Rail
-Horizontal Infill
-Finish: Brushed Stainless Steel
-Mount: Top, or as Required
-Provide Intermediates as Required

STAIR RAIL

-Similiar to Cable Rail System but with Guardrail and Handrails

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CERT. NO. 31742 — REGISTERED ARCHITECTURE CORPORATION — NORTH CAROLINA — CIVIL ENGINEERING — LANDSCAPE ARCHITECTURE

CERTIFICATION NO. C-6419 — NORTH CAROLINA — MOREHEAD CITY

ROOF PLAZA PLAN

18050

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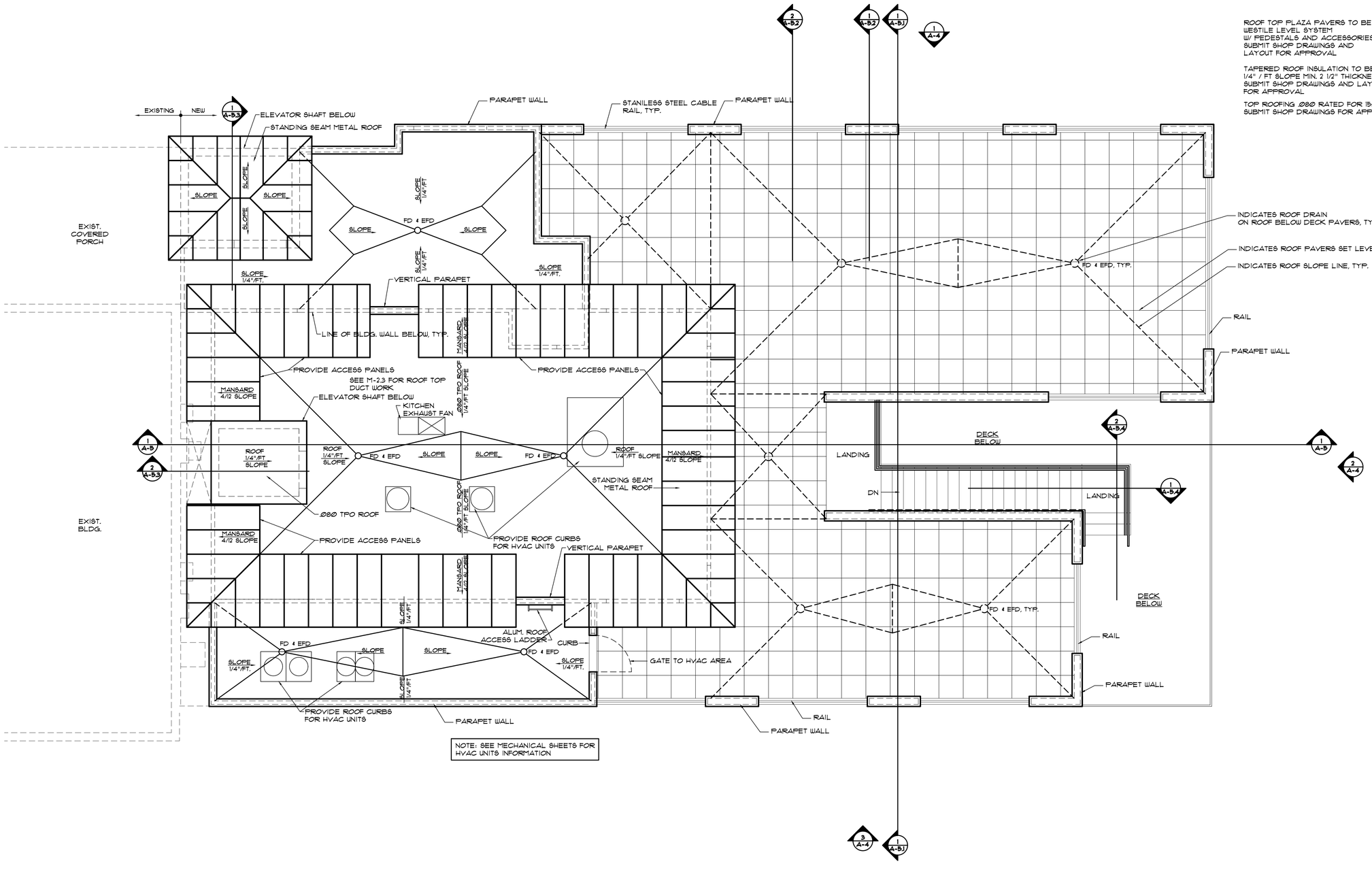

1 A-1.3 ROOF PLAN
SCALE: 1/4"=1'-0"

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PRIMUS STRUCTURES

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COASTAL ARCHITECTURE PLLC CERT. NO. C-2922 NORTH CAROLINA REGISTERED

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

ROOF PLAN

18050

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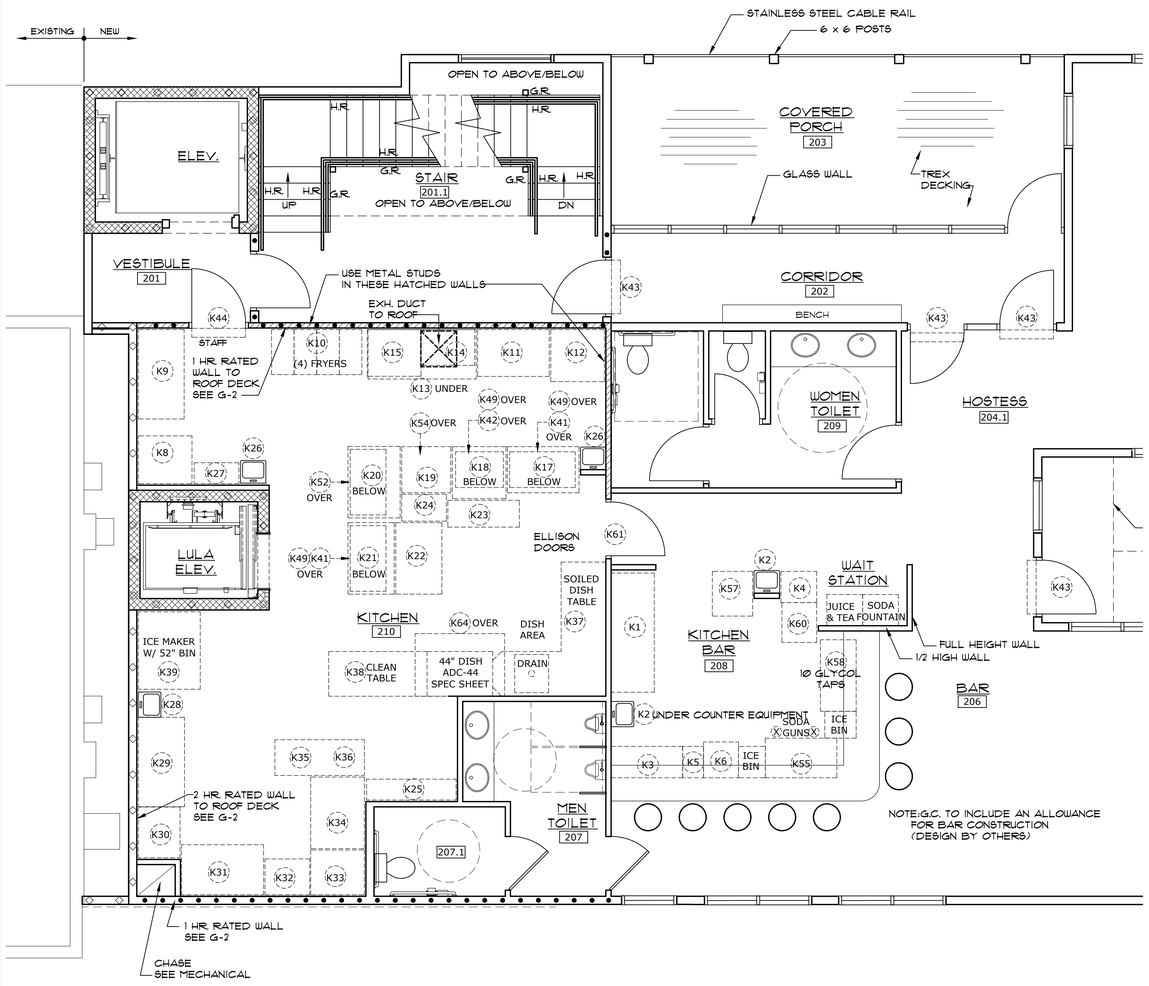

1 / A1.4 KITCHEN EQUIPMENT PLAN
SCALE: 1/4"=1'-0"

KITCHEN EQUIPMENT SCHEDULE

ITEM NO.	MANUFACTURER	MODEL NO.	LENGTH	REMARKS/ ACCESSORIES
EXHAUST HOOD 1	CAPTIVEAIRE	5424 ND-2-PSP-F	9'-0"	
EXHAUST HOOD 2	CAPTIVEAIRE	5424 ND-2-PSP-F	10'-0"	
CONDENSATE HOOD 3	CAPTIVEAIRE	4824 VHB-G	6'-0"	
EXHAUST FAN 2	CAPTIVEAIRE	DU180HFA		
SUPPLY FAN 3	CAPTIVEAIRE	A2-20D-MPU		
EXHAUST FAN 4	CAPTIVEAIRE	DU30HFA		
CURB FOR EXHAUST FAN 1	CAPTIVEAIRE	CRB26.5x24E		
CURB FOR EXHAUST FAN 2	CAPTIVEAIRE	CRB26.5x24E		
CURB FOR SUPPLY FAN 3	CAPTIVEAIRE	CRB31x14E		
CURB FOR SUPPLY FAN 4	CAPTIVEAIRE	CRB13.5x24E		
ELECTRICAL SYSTEM * 1	CAPTIVEAIRE	DCV-2111		

KITCHEN EQUIPMENT SCHEDULE

NO.	ITEM DESCRIPTION	MANUFACTURER	MODEL NO.	DIMENSIONS (WxDxH)	REMARKS/ ACCESSORIES
K-1	BACK BAR CABINET, REFRIGERATED	HOSHIZAKI	HBB-3G-LD-80	80"W, 29"D, 36.88"H 26.74 CU. FT.	
K-2	HAND SINK	KROWNE METAL	WM200	17"W, 15 1/4"D, 13"H WALL MOUNT	
K-3	UNDER BAR SINK UNITS	JOHN BOOS	EUB3648-1RD-X	48"W x 21"D x 32 1/2"H	
K-4	GLASS RACK	JOHN BOOS	EUBGR5-24-3-X	24"W x 21"D X 32 7/8"H	
K-5	UNDER BAR SINK UNITS	JOHN BOOS	EUBDS-1014-X	14"W x 21"D X 32 1/2"H	
K-6	DISHWASHER, UNDERCOUNTER	CMA DISHMACHINES	UC50E	23 7/16"W x 24"D x 33 5/8"H	
K-7	GARBAGE CAN	WINCO	PTC-23K	23 GALLON	LOCATION BY OWNER
	GARBAGE CAN CART	WINCO	DUR-1100	18 1/2"L x 9 1/2"W x 7"H	LOCATION BY OWNER
K-8	WORKTOP FREEZER	CONTINENTAL REFRIGERATOR	SWF36NBS-FB	36"W, 32 3/16"D, 39 1/2"H OVERALL	
K-9	SANDWICH/SALAD PREPARATION REFRIGERATOR	HOSHIZAKI	SR60A-16	60"W, 30.71"D, 45.75"H OVERALL	
K-10	GAS FLOOR FRYER	PITCO FRIALATOR	40D	15 1/8"W, 30 9/32"D, 47 9/32"H OVERALL	
K-11	RANGE, 48", 8 OPEN BURNERS	IMPERIAL	IR-8-XB	48"W, 31 1/2"D, 56 1/2"H OVERALL	
K-12	MEGA TOP SANDWICH/SALAD PREPARATION REFRIG.	HOSHIZAKI	SR36A-15M	36"W, 35"D, 44.25"H OVERALL	W/DOUBLE OVERSHELF HS-5236
K-13	EQUIPMENT STAND, REFRIGERATED BASE	HOSHIZAKI	CR12A	72-1/2"W, 33-1/4"D x 27"H OVERALL	
K-14	GAS COUNTERTOP GRIDDLE	IMPERIAL	ITG-36	36"W x 24"D COOKING SURFACE	
K-15	CHARBROILER, GAS, COUNTERTOP	IMPERIAL	IRB-36	36"W, x 31 3/8"D, x 13 3/4"H	
K-16	GAS CONNECTOR HOSE KIT	KROWNE METAL	M1548K	3/4"I.D., 48" LONG	
K-17	REFRIGERATED WORK TOP	HOSHIZAKI	WR48A	48"W, 31"D, 40"H OVERALL	W/DOUBLE OVERSHELF HS-5164
K-18	MEGA TO SANDWICH/SALAD PREPARATION REFRIGERATOR	HOSHIZAKI	SR36A15M	36"W x 35"D x 44.25"H OVERALL	W/DOUBLE OVERSHELF HS-5236
K-19	HOT FOOD SERVING COUNTER/TABLE	ADMIRAL CRAFT	ST-120/2	33"W, x 31"D, x 34 1/4"H	
K-20	MEGA TOP SANDWICH/SALAD PREPARATION REFRIGERATOR	HOSHIZAKI	SR48A-18M	48"W x 35"D x 44.25"H OVERALL	W/DOUBLE OVERSHELF HS-5164
K-21	WORKTOP FREEZER	HOSHIZAKI	UF48A	48"W x 31"D x 40"H OVERALL	W/DOUBLE OVERSHELF HS-5164
K-22	SANDWICH/SALAD PREPARATION REFRIGERATOR	HOSHIZAKI	SR48A-12	48"W x 31"D x 44.25"H OVERALL	W/DOUBLE OVERSHELF HS-5164
K-23	WORK TABLE, 48", STAINLESS STEEL TOP	JOHN BOOS	UFBLG4818-X	48"W x 18"D, 18/430 S.S.	
K-24	WIRE SHELVING UNIT	NEXEL	1830TEP	30"W x 18"D x 74"H	
K-25	WIRE SHELVING UNIT	NEXEL	1460TEP	60"W x 14"D x 74"H	
K-26	HAND SINK	KROWNE METAL	WM200	17"W, 15 1/4"D, 13"H WALL MOUNT	
K-27	WIRE SHELVING UNIT	NEXEL	1430TEP	30"W x 14"D x 74"H	
K-28	HAND SINK	KROWNE METAL	WM200	17"W, 15 1/4"D, 13"H WALL MOUNT	
K-29	REFRIGERATOR WORK TOP	HOSHIZAKI	WR60A	60"W x 31"D x 40"H	
K-30	PROOFER CABINET, MOBILE	BEVLES COMPANY	HCS6714W121	28"W x 34"D x 73.75"H	VERIFY SPACE REQUIREMENTS
K-31	REACH-IN REFRIGERATOR	HOSHIZAKI	R2A-FS	55"W x 33.5"D x 79.5"H	
K-32	WIRE SHELVING UNIT	NEXEL	2430TEP	30"W x 24"D x 74"H	
K-33	WIRE SHELVING UNIT	NEXEL	3036TEP	36"W x 30"D x 74"H	
K-34	MEGA TOP SANDWICH/SALAD PREPARATION REFRIGERATOR	HOSHIZAKI	SR36A-15M	36"W x 35"D x 44.25"H OVERALL	
K-35	WORK TABLE, STAINLESS STEEL TOP	ATOSA USA	SSTW-2460	60"W x 24"D, 34"H 18/430 S.S.	
K-36	WORK TABLE, STAINLESS STEEL TOP	SERV-WARE	T2460CWP-3	60"W x 24"D, 18/304 S.S.	
K-37	SOILED DISH TABLE				VERIFY SIZE
K-38	DISH TABLES				VERIFY SIZE
K-39	ICE CUBER	HOSHIAKI	KM-901MRJ	30"W	
K-40	NOT USED				
K-41	HEAT LAMP	HATCO	GRA-48D3		
K-42	HEA LAMP	HATCO	GRA-36D3		
K-43	AIR DOOR	CURTRON	AP-2-36-1-SS	36"W	
K-44	AIR CURTAIN	MARS AIR SYSTEMS	HV236-1UA-TS	36"W	
K-45	WIRE SHELVING	NEXEL	5160EP	60"W x 18"D	VERIFY LOCATION
K-46	WIRE SHELVING	NEXEL	5183GEP	36"W x 18"D	VERIFY LOCATION
K-47	NOT USED				
K-48	ICE CUBER	HOSHIAKI	KML-700MRJ	30"W	
K-49	GRAH HEAT LAMP	HATCO	AH48120ICCS		
K-50	SAMAMANDER BROILER, GAS	IMPERIAL	1SB36	36"	VERIFY LOCATION
K-51	STEAMER, CONVECTION, BOILERLESS, COUNTERTOP	CROWN	EPXN-5	(5) 12" x 5" PANS	VERIFY LOCATION
K-52	CHEESE MELTER, ELECTRIC	APW WYOTT	CMP-36	36"	
K-53	NOT USED				
K-54	HEAT LAMP	HATCO	GRAPH-36-120-0-QS		
K-55	BOTTLE COOLER	HOSHIAKI	HBC-50	50.5W x 26.5"D x 33.38"H	
K-56	UNDERCOUNTER REFRIGERATOR	HOSHIAKI	UR27A-GLP01	27"W	
K-57	UNDERCOUNTER REFRIGERATOR	HOSHIAKI	UR27A-LP	27"W x 31"D	
K-58	GLASS FROSTER	KROWNE METAL	MC48B	48"W x 24"D	
K-59	UNDERCOUNTER REFRIGERATOR	HOSHIAKI	UR48A-GLP01	48"W	
K-60	WINE CELLAR CABINET	EURODIB USA	USF128D		
K-61	FOOD SERVICE DOOR	CHASE DOORS	NW 3011 36x84	36" x 84"	
K-62	FOOD SERVICE DOOR	CHASE DOORS	NW 3011 36x84	36" x 84"	
K-63	WALK IN COMBINATION COOLER FREEZER, REMOTE	BAILEY REFRIGERATED BOXES	19702-1-0-LJI	12' x 6' x 8'-6" H	
K-64	ECOLAB 2000 HT DISH MACHINE WITH VAPOR VENT	ECOLAB	2000 HT W/ VAPOR VENT		

NOTE: - ALL KITCHEN EQUIPMENT TO HAVE STANDARD ATTACHMENTS MIN. U.O.N.
- ALL EQUIPMENT TO BE N.S.F. RATED.
- SUBMIT CUT SHEETS.

* EXHAUST HOOD TO BE RESPONSIBILITY OF MECHANICAL CONTRACTOR NOT THE KITCHEN EQUIPMENT CONTRACTOR. SEE MECHANICAL SHEETS.

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

KITCHEN EQUIPMENT

18050

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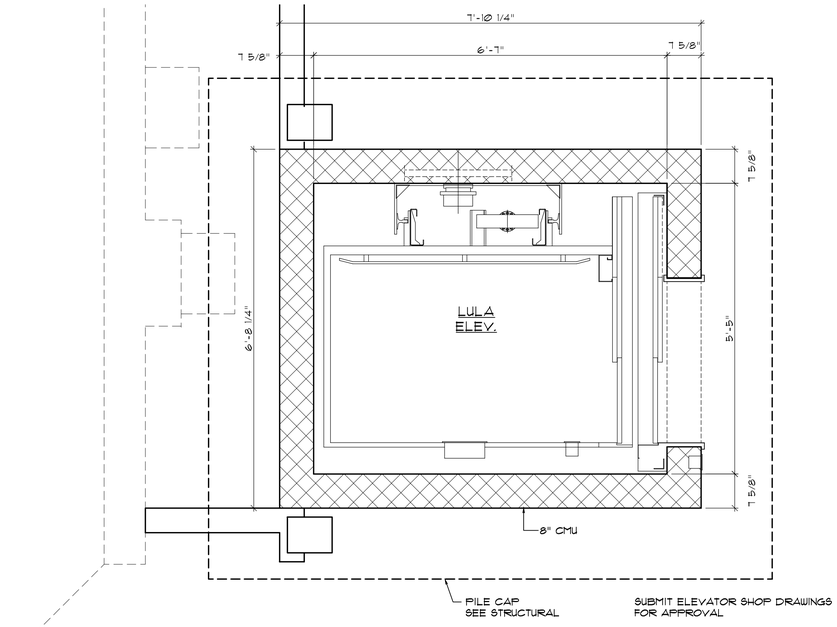
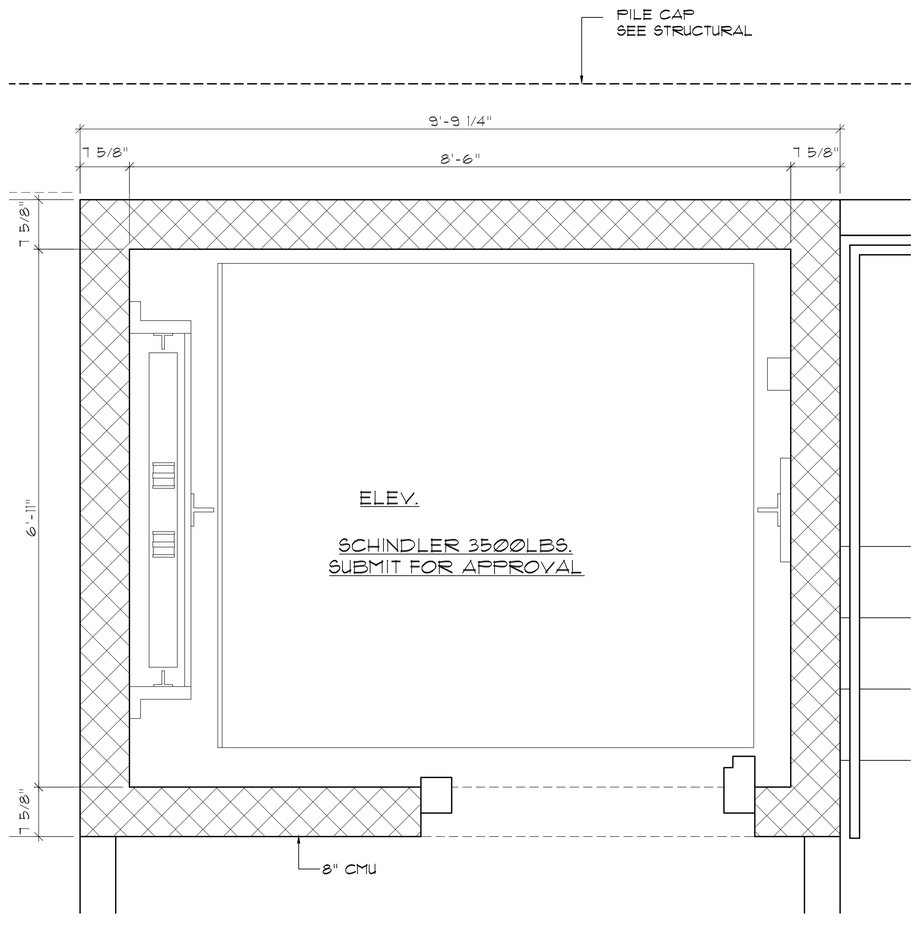


1 A-1.5 **ELEVATOR PLAN DETAIL**
SCALE: 3/4"=1'-0"



2 A-1.5 **ELEVATOR PLAN DETAIL**
SCALE: 3/4"=1'-0"

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ELEVATOR DETAILS

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EXISTING FIXED TOWN OF SWANSBORO PUBLIC PIER

EXISTING NEW

EXIST. OPEN DECK

EXIST. COVERED PORCH

EXIST. TOILET

EXIST. TOILET

EXIST. BLDG.

ELEV.

OPEN TO ABOVE

STAIR TO MAIN LEVEL

UP

OPEN TO ABOVE

ENTRY VESTIBULE
101

9'-0" C.H.

NEW ELECTRICAL SERVICE AREA

GWB - PTD 10'-0" C.H.

WALK-IN COOLER

K63

BREAK AWAY WALLS

LULA ELEV.

MATCH EXIST. BLDG FFE

STORAGE
102

GWB - PTD 10'-0" C.H.

NEW BULKHEAD

PREVIOUS COVERED DECK LINE

COVERED PORCH ABOVE

HARDIE PANEL - PTD (CLAD PORTION OF DROPPED BEAMS AS REQ'D)

WALKWAY TO TOWN FIXED DOCK

PREVIOUS BUILDING LINE

PREVIOUS BUILDING LINE

PREVIOUS BUILDING LINE

PREVIOUS DECK LINE

G.R.

H.R.

H.R.

G.R.

G.R. H.R. H.R. G.R.

UP

WATER LEVEL WALKWAY
103

PREVIOUS BUILDING LINE

PREVIOUS DECK LINE

PREVIOUS DECK LINE

LEGEND

SUSPENDED PRESSED TIN CEILING TILE

OLD FARMHOUSE FAVORITE 24x24 MODEL# 2418tn
WWW.DECORATIVECEILINGTILES.NET

1/A-2 WATER LEVEL REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

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WATER LEVEL REFLECTED CEILING PLAN

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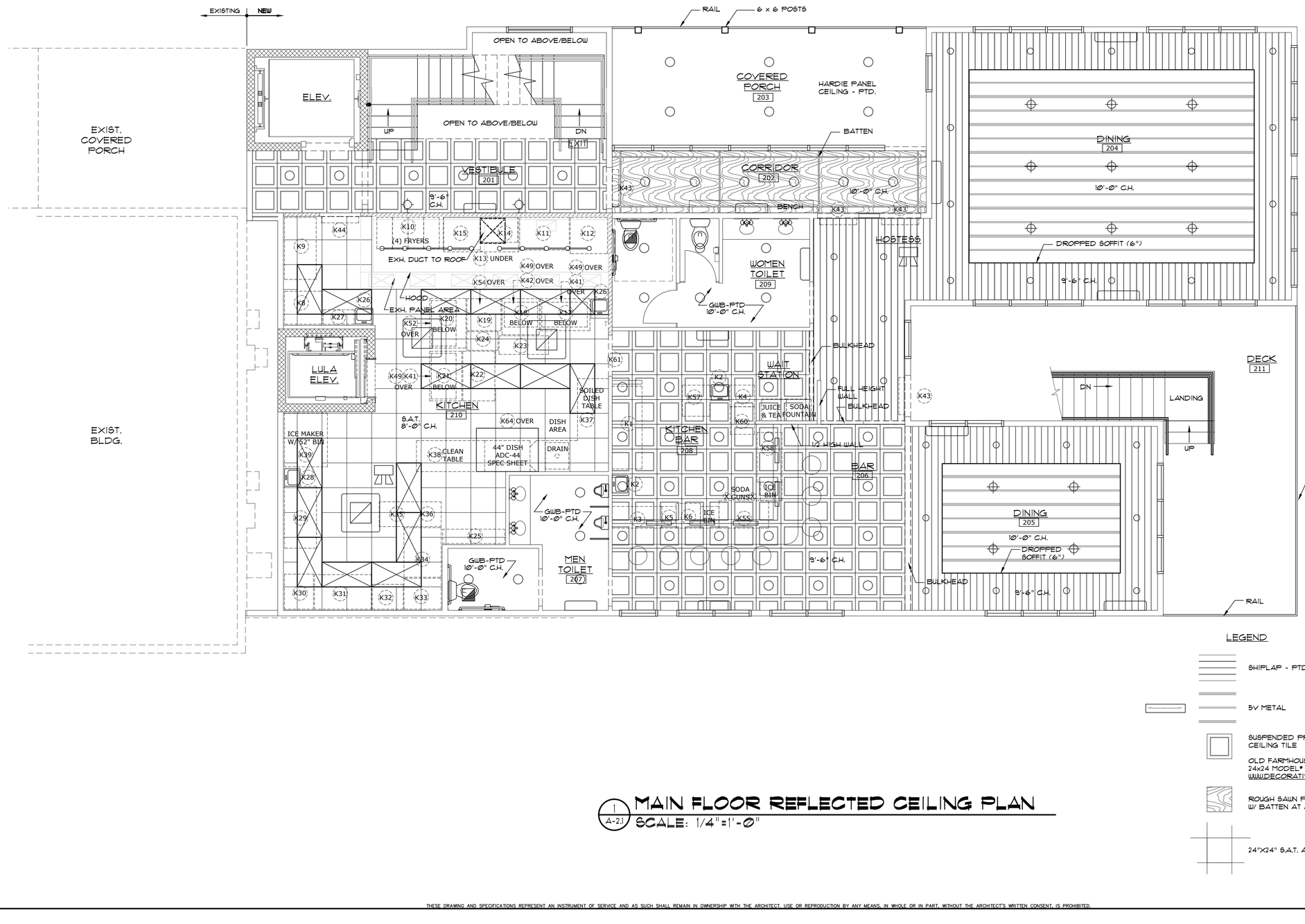

1 A-2.1 MAIN FLOOR REFLECTED CEILING PLAN

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

LEGEND

- SHIPLAP - PTD
- 5V METAL
- SUSPENDED PRESSED TIN CEILING TILE
  OLD FARMHOUSE FAVORITE
  24x24 MODEL# 2418tn
  WWW.DECORATIVECEILINGTILES.NET
- ROUGH SAWN PLYWOOD 48"X96" - STAINED W/ BATTEN AT JOINTS
- 24"X24" S.A.T. ARMSTRONG CERAMAGUARD FINE FISSURED

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MAIN FLOOR REFLECTED CEILING PLAN

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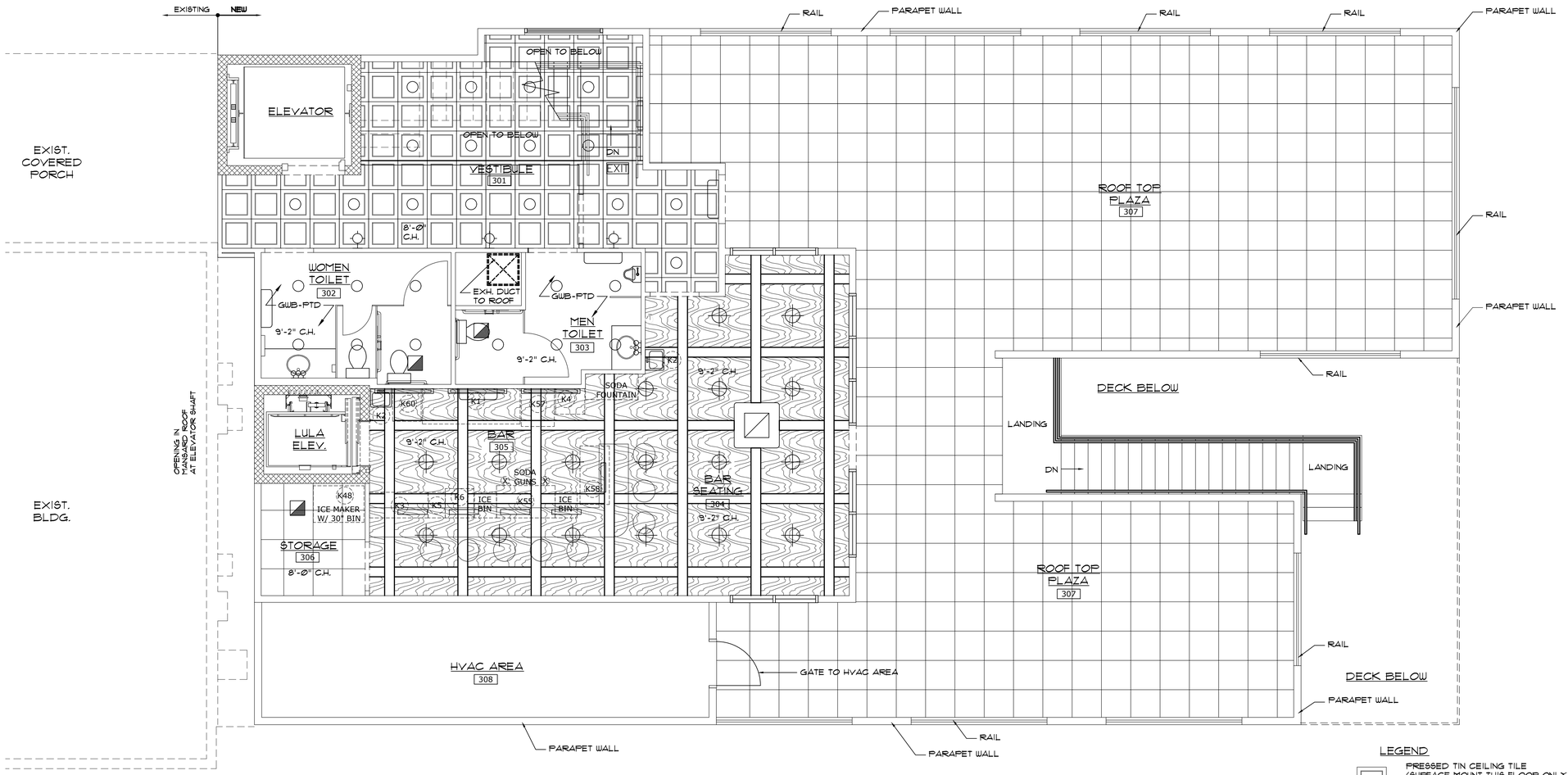

LEGEND

- PRESSED TIN CEILING TILE (SURFACE MOUNT THIS FLOOR ONLY)
  OLD FARMHOUSE FAVORITE 24x24
  MODEL# 2418tn
  WWW.DECORATIVECEILINGTILES.NET
- ROUGH SAWN PLYWOOD 48"X96" - STAINED W/ BATTEN AT JOINTS
- FAUX 8"X8" WOOD BEAM @ 5'-0" O.C. - REFER TO DETAIL ON 2/A-5
- 24"X24" S.A.T. ARMSTRONG CERAMAGUARD FINE FISSURED

1 / A-12 ROOF PLAZA REFLECTED CEILING PLAN

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

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ROOF PLAZA REFLECTED CEILING PLAN

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OF

DOOR SCHEDULE

DOOR NO.	SIZE	DOOR MAT.	DOOR TYPE	FRAME MAT.	FRAME TYPE	REMARKS
100A	3'-0" X 7'-0"	FG	A	FG		(1)(2)(4)
101A	3'-0" X 7'-0"	WD	B	HM		(1)(2)(3)(6)(9)
102A	3'-0" X 7'-0"	WD	B	HM		(1)(2)(3)
102B	3'-0" X 7'-0"	FG	C	FG		(2)
102C	3'-0" X 7'-0"	HM	D	HM		(1)(2)(5)
102D	3'-0" X 7'-0"	FG	C	FG		(1)(2)(3)
201A	3'-0" X 7'-0"	WD	B	HM		(1)(2)(3)(6)(9)
201.1A	3'-0" X 7'-0"	WD	B	HM		(1)(2)(3)(4)(6)
202A	3'-0" X 7'-0"	FG	A	FG		(1)(2)(4)
204.1A	3'-0" X 7'-0"	FG	A	FG		(1)(2)(4)
204.1B	3'-0" X 7'-0"	FG	A	FG		(2)(4)
206A	3'-0" X 7'-0"	FG	A	FG		(1)(2)(4)
207A	3'-0" X 7'-0"	WD	E	HM		(2)(7)(8)
207.1A	3'-0" X 7'-0"	WD	E	HM		
209A	3'-0" X 7'-0"	WD	E	HM		(2)(7)(8) CLOSER ON 209A ONLY
209B	3'-0" X 7'-0"	WD	E	HM		(2)(7)(8)
209C	2'-6" X 7'-0"	WD	E	HM		
210A	3'-0" X 7'-0"	WD		WD		(2)(3)(6)
210B						SEE KITCHEN EQUIPMENT SCHEDULE
301A	3'-0" X 7'-0"	WD	B	HM		(1)(2)(3)(6)(9)
301.1A	3'-0" X 7'-0"	FG	A	FG		(1)(2)(4)
302A	3'-0" X 7'-0"	WD	B	HM		(2)(3)
303A	3'-0" X 7'-0"	WD	B	HM		(2)(3)
304A	3'-0" X 7'-0"	FG	A	WD		(1)(2)(4)
306A	3'-0" X 7'-0"	WD	B	WD		

(1) PANIC HARDWARE
(2) CLOSER
(3) 60 MINUTE RATED
(4) ADA THRESHOLD
(5) 90 MINUTE RATED
(6) 10" x 10" RATED GLAZING
(7) PUSH PULL
(8) KICK PLATE
(9) SMOKE ACTIVATED HOLD OPEN DEVICE

WINDOW SCHEDULE

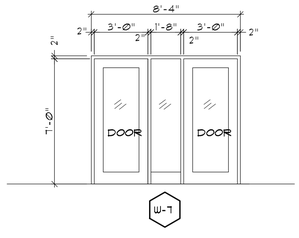
MARK	TYPE	SIZE (NOMINAL)	MODEL	REMARKS
W-1	SEE ELEVATION	3'-0"W x 6'-0"H	SIMONTON STORM BREAKER PLUS COASTAL IMPACT	MEET REQ'D WIND LOAD
W-2	SEE ELEVATION	6'-0"W x 6'-0"H		MEET REQ'D WIND LOAD
W-3	SEE ELEVATION	9'-0"W x 6'-0"H		MEET REQ'D WIND LOAD
W-4	SEE ELEVATION	25'-4"W x 6'-0"H		MEET REQ'D WIND LOAD
W-5	SEE ELEVATION	18'-0"W x 6'-0"H		MEET REQ'D WIND LOAD
W-6	SEE ELEVATION	5'-0" DIAMETER		MEET REQ'D WIND LOAD
W-7	SEE ELEVATION	8'-4"W x 8'-0"H		MEET REQ'D WIND LOAD
W-8	SEE ELEVATION	5'-0"W x 8'-0"H		MEET REQ'D WIND LOAD

COLOR: WHITE LOW E SOLAR GLAZING GREY TINT

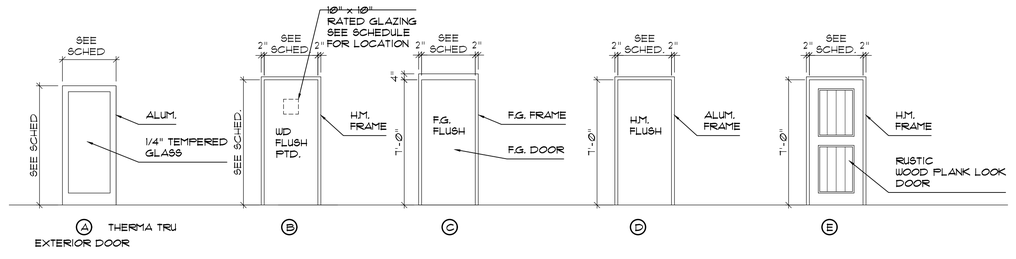
ROOM FINISH SCHEDULE

ROOM NUMBERS	ROOM	FLOORS	BASE	WALLS	CEILINGS	HEIGHT (NOMINAL)	REMARKS
100	ENTRY	PORCELAIN TILE	WOOD	SEE SHEET F-1	PRESSED TIN	9'-0"	SEE SHEET A-2 FOR CEILING LAYOUT
101	VESTIBULE	PORCELAIN TILE	WOOD	SEE SHET F-1	PRESSED TIN	9'-0"	SEE SHEET A-2 FOR CEILING LAYOUT
102	STORAGE	SEALED CONC.	VINYL	GWB-PTD	GWB-PTD	10'-0"	SEE SHEET A-2 FOR CEILING LAYOUT
103	WATER LEVEL WALKWAY	TRTD WD PLANKS	-	-	HARDIE FNL-PTD	10'-0"?	
201	VESTIBULE	CERAMIC TILE	WOOD	SEE SHEET F-1.1	PRESSED TIN	9'-6"	SEE SHEET A-2.1 FOR CEILING LAYOUT
202	CORRIDOR	LVP	-	SEE SHEET F-1.1	ROUGH SAWN PLYWOOD	10'-0"	SEE SHEET A-2.1 FOR CEILING LAYOUT
203	COVERED PORCH	TREX DECKING	-	EXT. SIDING	HARDIE FNL - PTD	10'-0"?	
204	DINING	LVP	WOOD	SEE SHEET F-1.1	SHIPLAP 4 5V METAL	10'-0"/9'-6"	SEE SHEET A-2.1 FOR CEILING LAYOUT
205	DINING	LVP	WOOD	SEE SHEET F-1.1	SHIPLAP 4 5V METAL	10'-0"/9'-6"	SEE SHEET A-2.1 FOR CEILING LAYOUT
206	BAR	LVP	WOOD	SEE SHEET F-1.1	PRESSED TIN	9'-6"	SEE SHEET A-2.1 FOR CEILING LAYOUT
207	MEN TOILET	PORCELAIN TILE	TILE	TILE	GWB-PTD	10'-0"	SEE SHEET A-2.1 FOR CEILING LAYOUT
208	KITCHEN BAR	SAFETY FLOORING	-	SEE SHEET F-1.1	PRESSED TIN	9'-6"	SEE SHEET A-2.1 FOR CEILING LAYOUT
209	WOMEN TOILET	PORCELAIN TILE	TILE	TILE	GWB-PTD	10'-0"	SEE SHEET A-2.1 FOR CEILING LAYOUT
210	KITCHEN	SAFETY FLOORING	-	FRP	S.A.T.	8'-0"	SEE SHEET A-2.1 FOR CEILING LAYOUT
211	OPEN PORCH	TREX DECKING	-	-	HARDIE FNL - PTD	-	
201.1	STAIR	CERAMIC TILE	WOOD	SEE SHEET F-1.1	PRESSED TIN	9'-6"	SEE SHEET A-2.1 FOR CEILING LAYOUT
301	VESTIBULE	WOOD	WOOD	SEE SHEET F-1.2	PRESSED TIN	8'-0"	SEE SHEET A-2.2 FOR CEILING LAYOUT
302	WOMEN TOILET	PORCELAIN TILE	TILE	TILE	GWB-PTD	9'-2"	SEE SHEET A-2.2 FOR CEILING LAYOUT
303	MEN TOILET	PORCELAIN TILE	TILE	TILE	GWB-PTD	9'-2"	SEE SHEET A-2.2 FOR CEILING LAYOUT
304	BAR SEATING	LVP	WOOD	SEE SHEET F-1.2	ROUGH SAWN PLYWOOD W/FAUX 8X8 BEAM	9'-2"	SEE SHEET A-2.2 FOR CEILING LAYOUT
305	BAR	SAFETY FLOORING	-	SEE SHEET F-1.2	ROUGH SAWN PLYWOOD W/FAUX 8X8 BEAM	9'-2"	SEE SHEET A-2.2 FOR CEILING LAYOUT
306	STORAGE	SAFETY FLOORING	-	SEE SHEET F-1.2	S.A.T.	8'-0"	SEE SHEET A-2.2 FOR CEILING LAYOUT
307	ROOF TOP PLAZA	2' x 2' ROOF PATIO TILES	-				
301.1	STAIR	RUBBER TREADS/RISERS	WOOD	SEE SHEET F-1.2	PRESSED TIN	8'-0"	SEE SHEET A-2.2 FOR CEILING LAYOUT

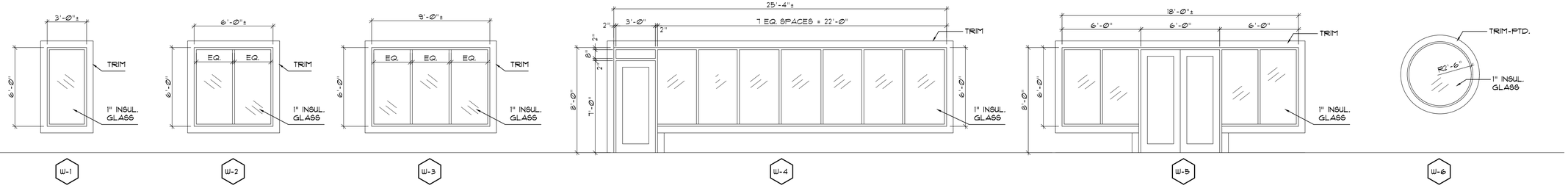
NOTE: INTERIOR STAIRS TO HAVE RUBBER TREADS/RISERS



2 A-3 INTERIOR WINDOW ELEVATION
SCALE: 1/4"=1'-0"



3 A-3 DOOR ELEVATIONS
SCALE: 1/4"=1'-0"



1 A-3 EXTERIOR WINDOW ELEVATIONS
ALL FRAME COLORS TO BE WHITE
SCALE: 1/4"=1'-0"

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DOOR & ROOM FINISH SCHEDULES

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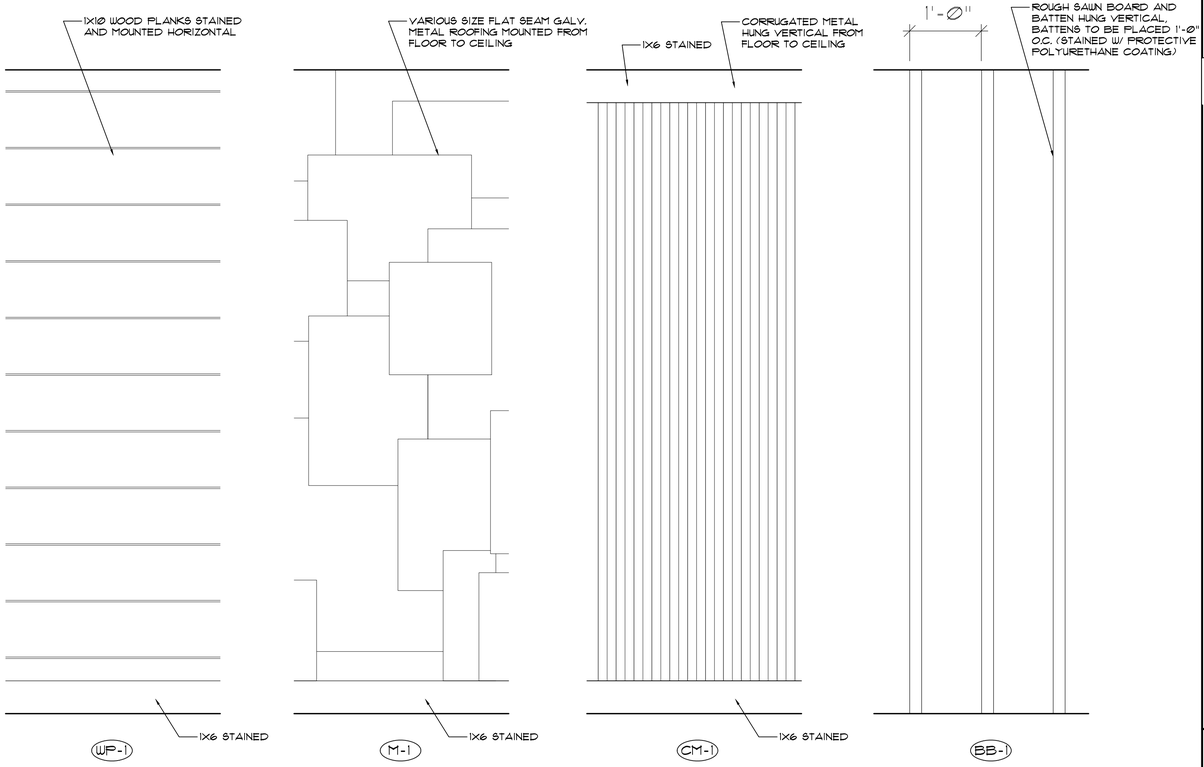
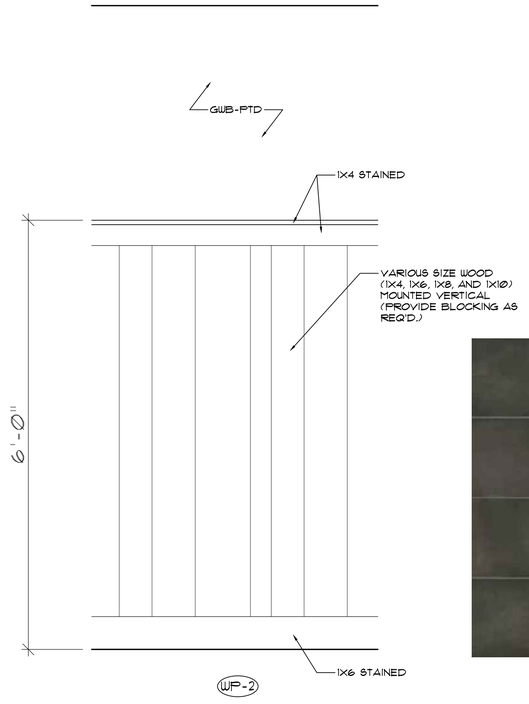
FINISHES SCHEDULE

MARK	TYPE	SIZE (NOMINAL)	MODEL	REMARKS
CT-1	CERAMIC TILE	6" X 24"	SEE INFO. ON THIS SHEET BELOW	
PT-1	PORCELAIN TILE	3" X 27"		
PT-2	PORCELAIN TILE	12" X 24"		
PT-3	PORCELAIN TILE	12" X 24"		
LVP	LUXURY VINYL PLANK	6" X 48"		
SF-1	SAFETY FLOORING	-		
WD-1	TONGUE AND GROOVE PINE WOOD FLOOR, CLEAR POLYURETHANE FINISH WITH EXPOSED SQUARE-CUT NAILS	RAMDOM WIDTHS AND RAMDOM LENGTHS		
GWB	GYPSUM WALLBOARD	-		
WP-1	1X10 WOOD PLANKS MOUNTED HORIZONTAL	1X10		
WP-2	6'-0" WOOD PLANK WAINSCOTING MOUNTED VERTICAL W/ GWB-PTD ABOVE	VARIOUS SIZES (1X4, 1X6, 1X8, 1X10)		
BB-1	ROUGH SAWN BOARD AND BATTEN HUNG VERTICAL. BATTENS PLACED 1'-0" O.C. (STAINED W/ PROTECTIVE POLYURETHANE COATING)	-		
SWT	4"X6" WHITE SUBWAY TILE W/ BLACK GROUT	-		
FRP	WHITE FIBERGLASS REINFORCED PANELS	-		
CM-1	CORRUGATED METAL HUNG VERTICAL FROM FLOOR TO CEILING	-		
M-1	FLAT SEAM GALV. METAL ROOFING FROM FLOOR TO CEILING	VARIOUS SIZES		





PT-3

BEDROSIANS TILE & STONE
CHATEAU 12"X24" PORCELAIN TILE
COLOR: TOBACCO, #: DOLCHATOBI224
(WITH BULLNOSE TO MATCH)

PT-2

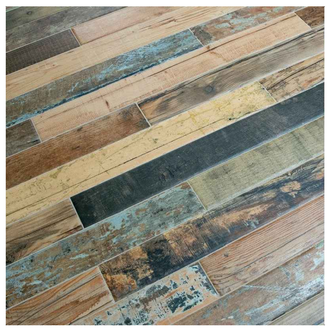
BEDROSIANS TILE & STONE
CHATEAU 12"X24" PORCELAIN TILE
COLOR: SMOKE, #: DOLCHASMOI224

LVP

SHAW FLOORING
FLOORTE PREMIO 04091V PLUS PLAN
549 SIENA 6"X48" RECLAIMED LUXURY VINYL PLANK, 2490V-00549

CT-1

JOSS & MAIN
CERAMIC WAVE WOOD LOOK TILE
ROUSSE 6"X24", EML2836



PT-1

JOSS & MAIN
PORCELAIN WOOD LOOK TILE
ZARA 3"X27", EML3435,

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FINISH SCHEDULES

18050

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CKD BY: LDD
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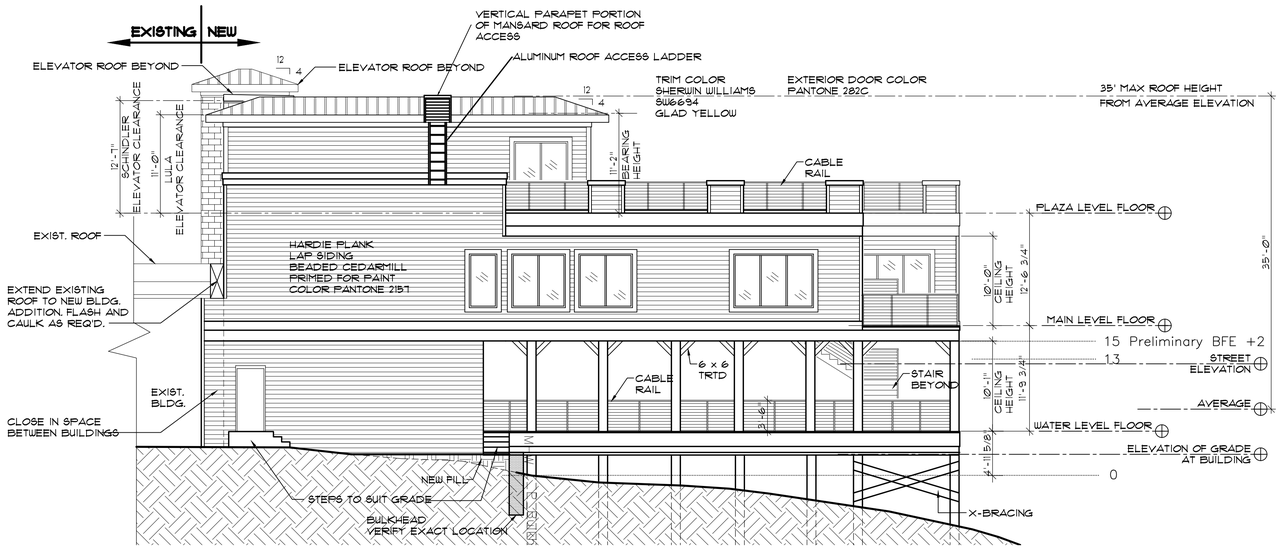
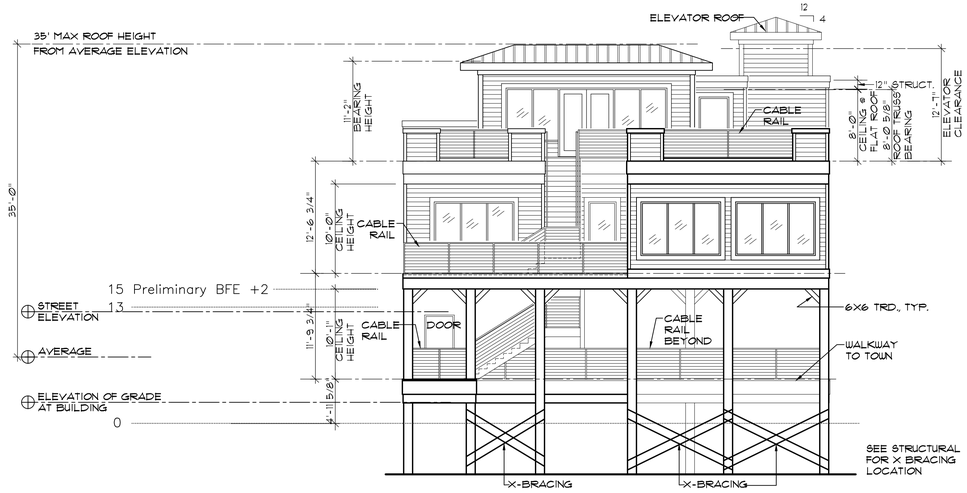
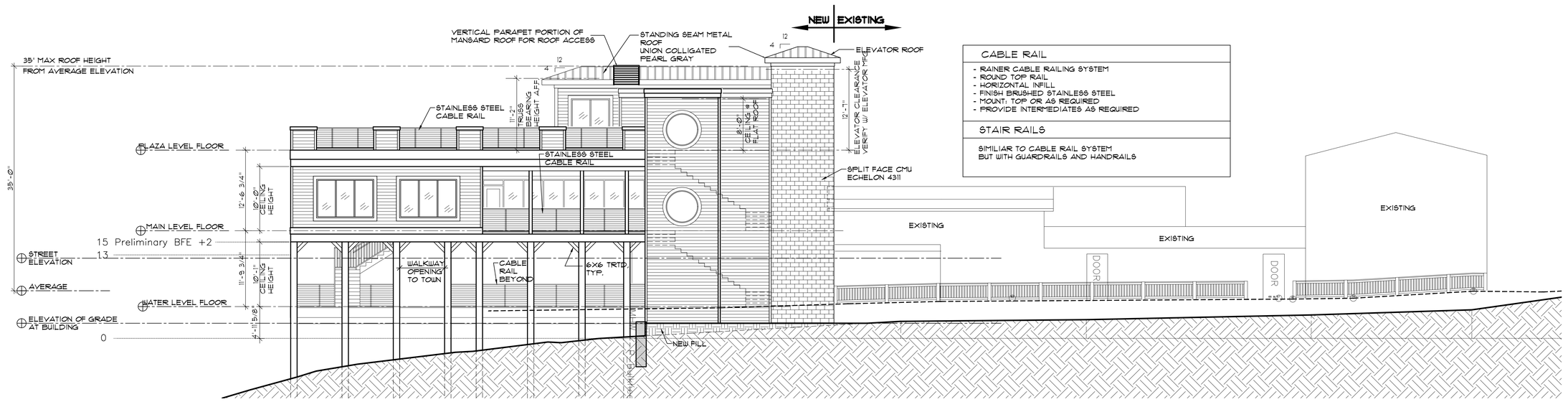
OF



3 A-4 **WEST ELEVATION**
SCALE: 1/8"=1'-0"



2 A-4 **SOUTH ELEVATION**
SCALE: 1/8"=1'-0"



1 A-4 **EAST ELEVATION**
SCALE: 1/8"=1'-0"

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EXTERIOR ELEVATIONS

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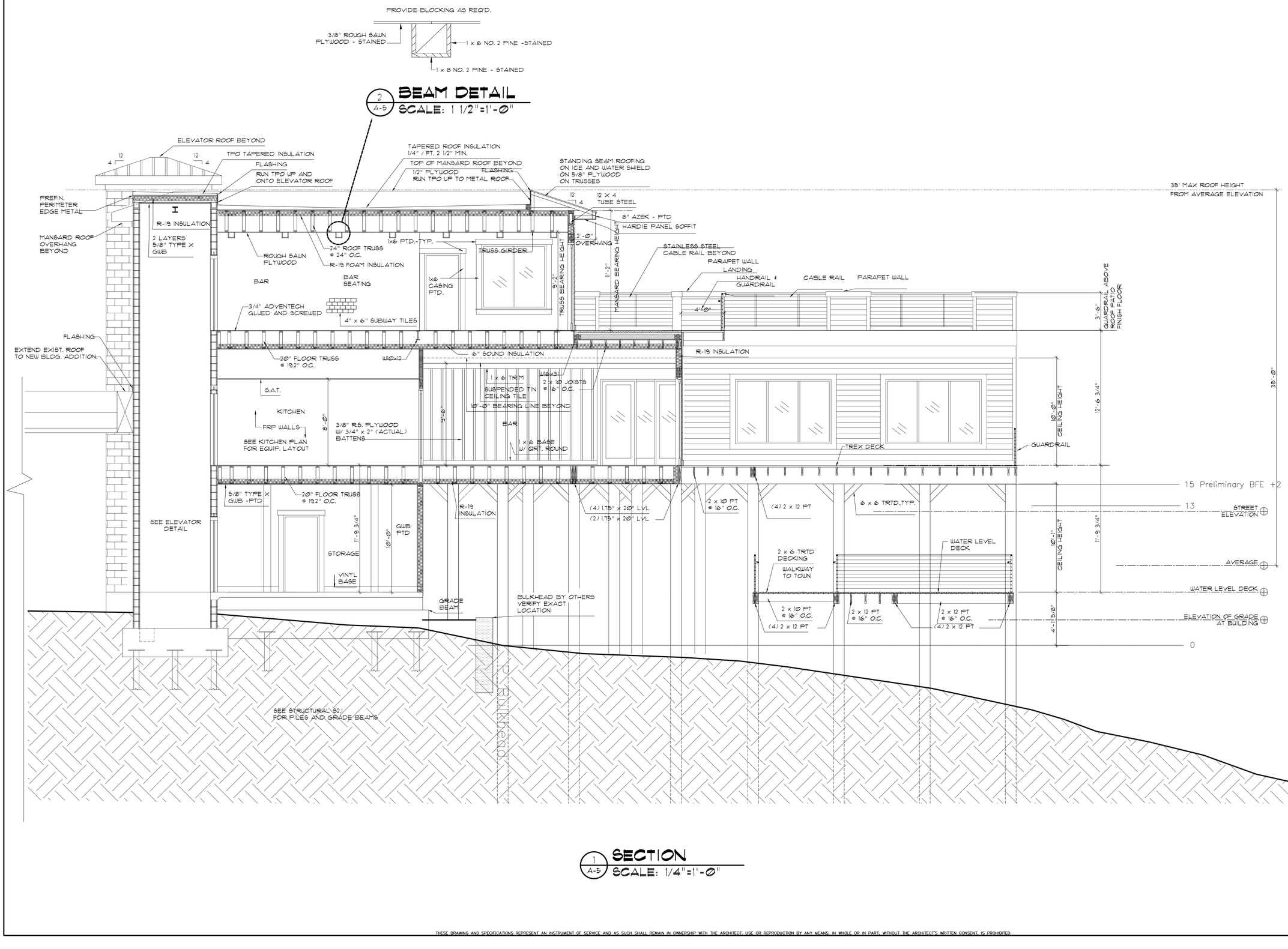

1 A-5 SECTION
SCALE: 1/4"=1'-0"

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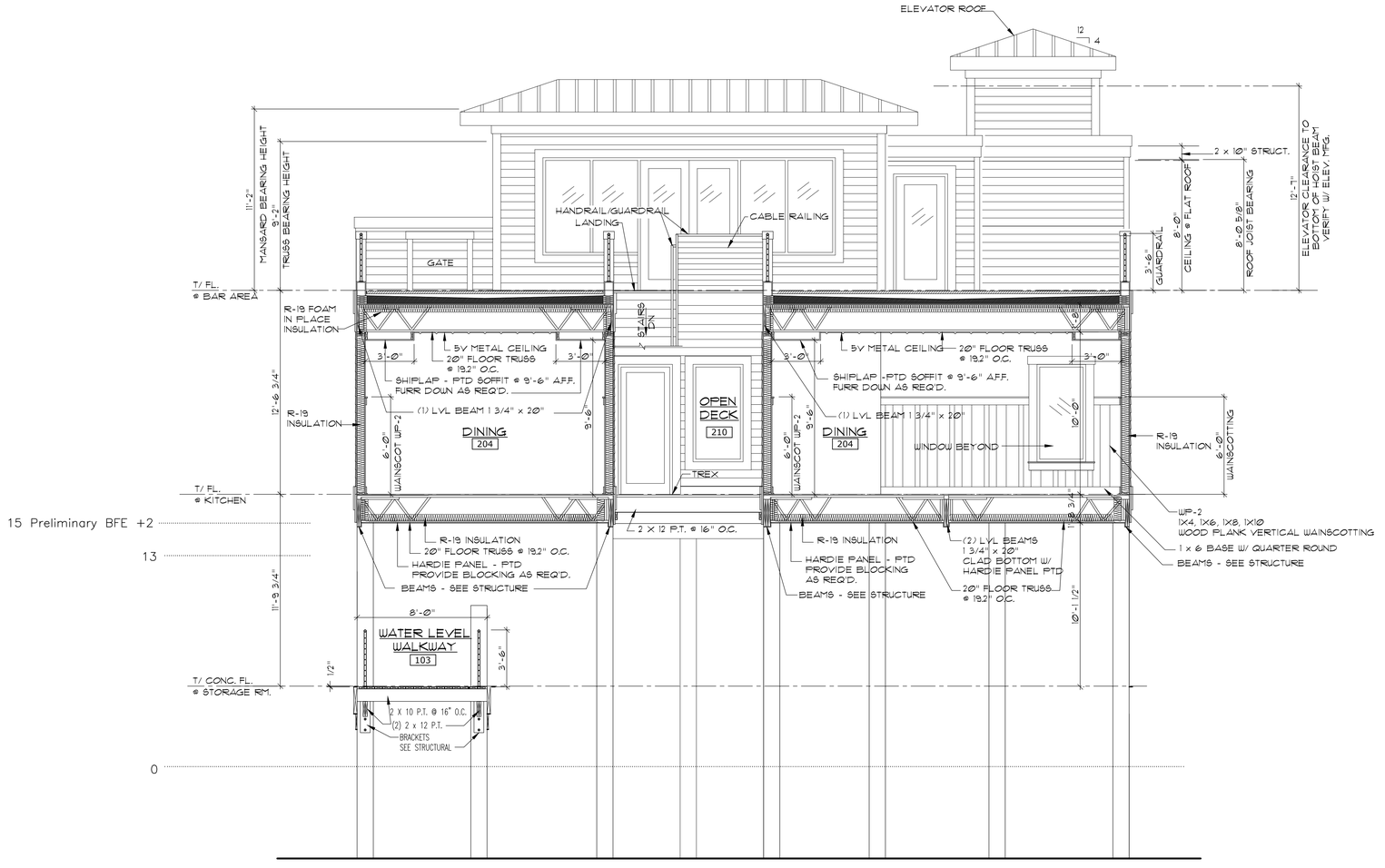

1 / A-5.1 **SECTION**
SCALE: 1/4"=1'-0"

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BUILDING SECTION

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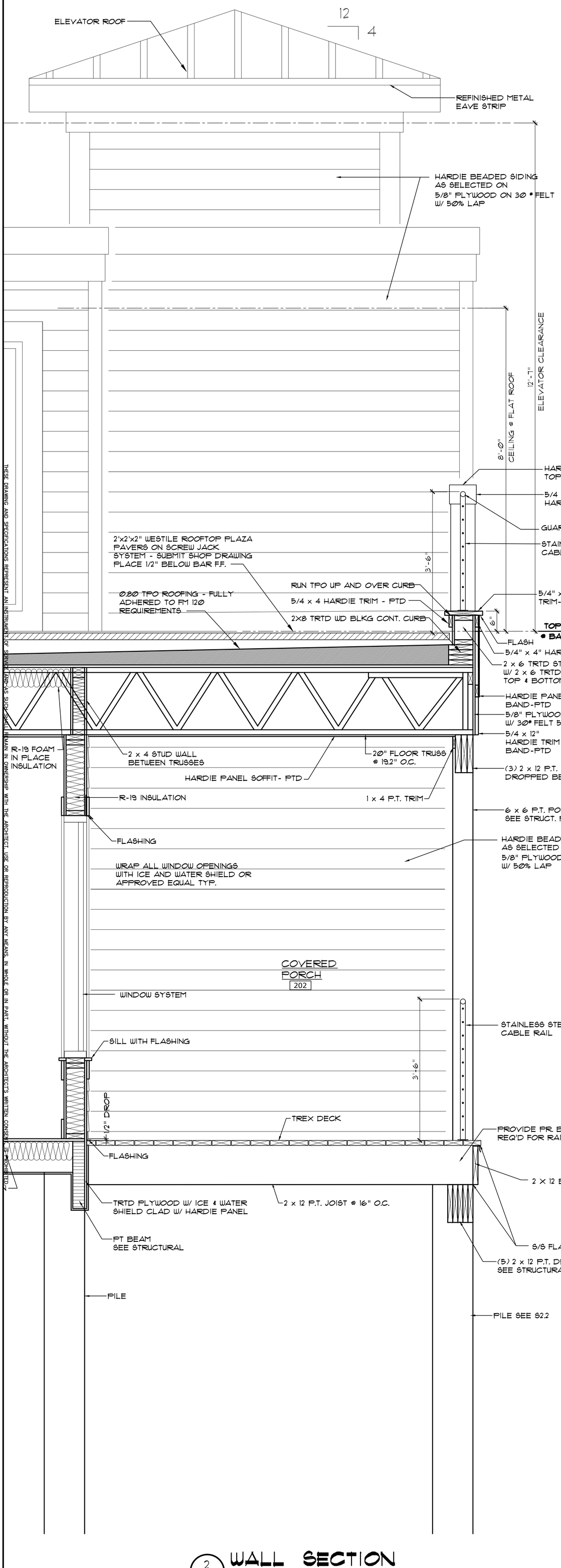

2 A-5.2 WALL SECTION
SCALE: 3/4"=1'-0"

1 A-5.2 WALL SECTION
SCALE: 3/4"=1'-0"

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WALL SECTIONS

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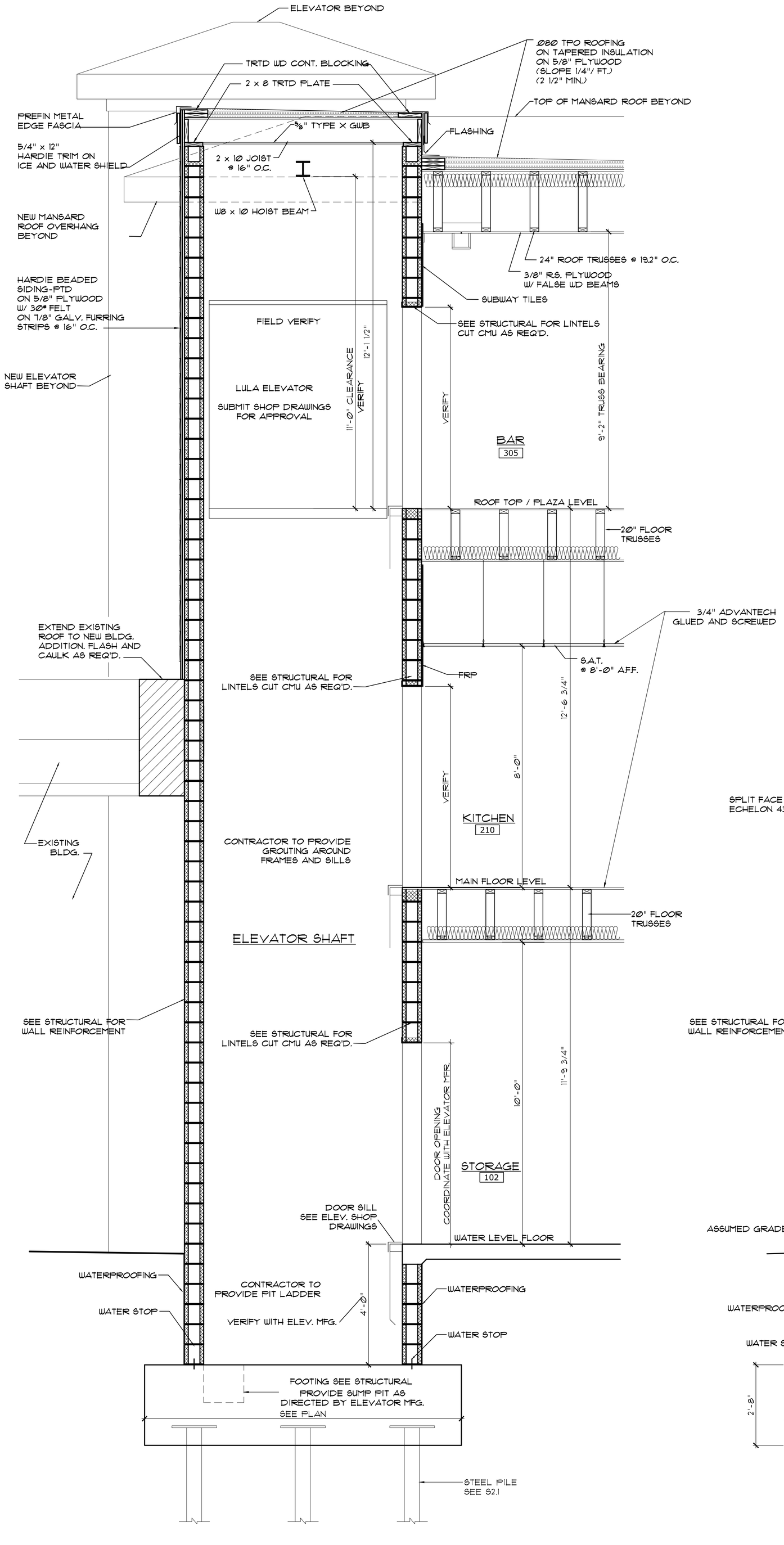
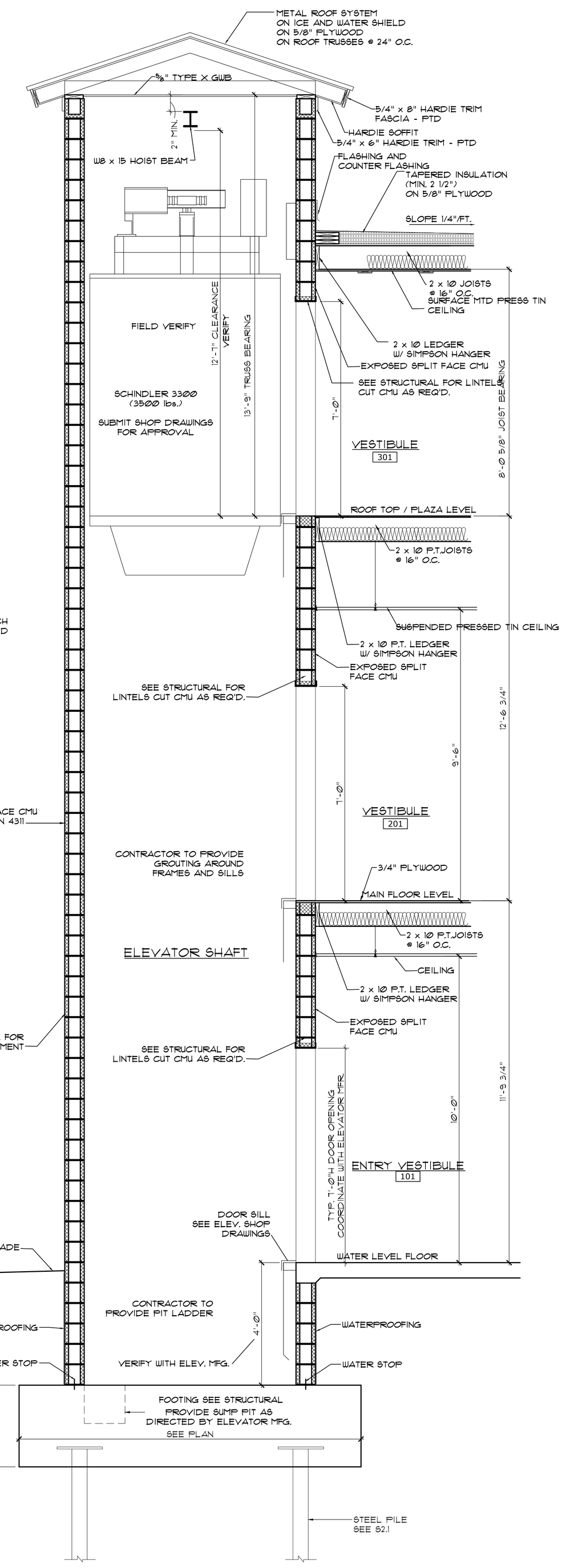


2 / A-8 **ELEVATOR SECTION**

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



1 / A-8 **ELEVATOR SECTION**

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

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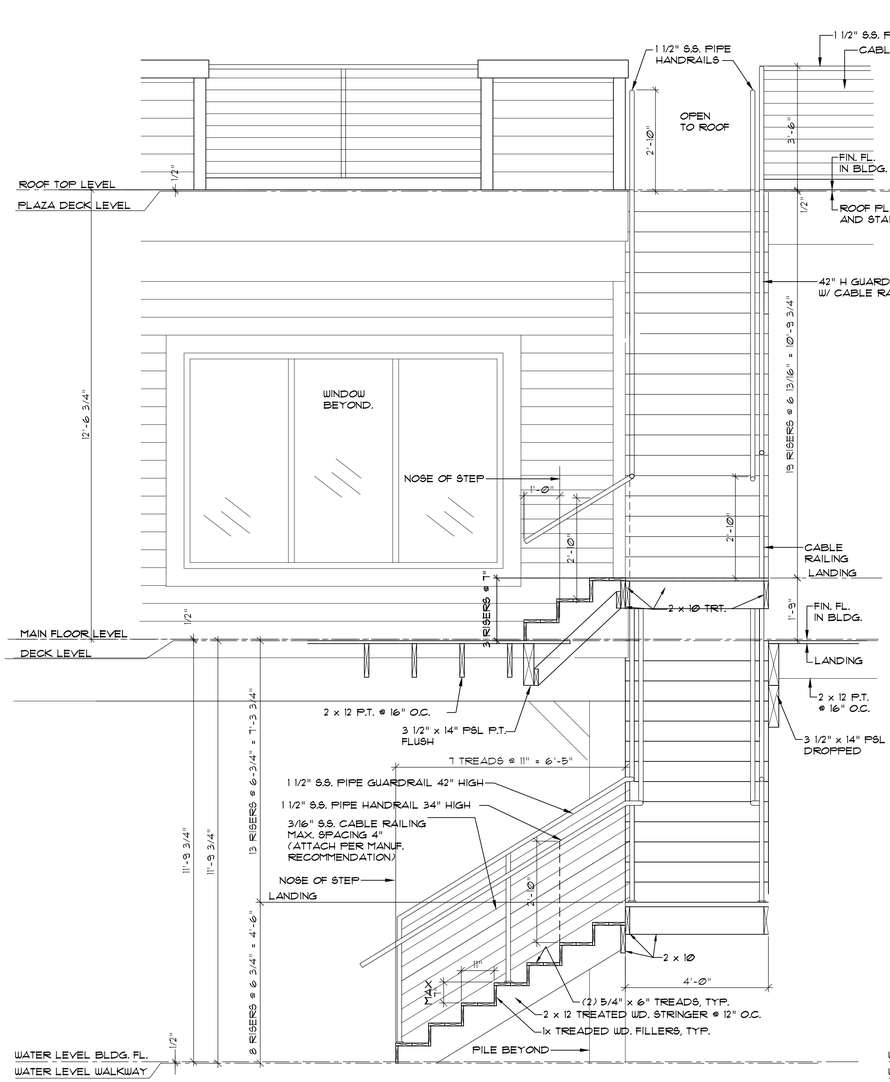
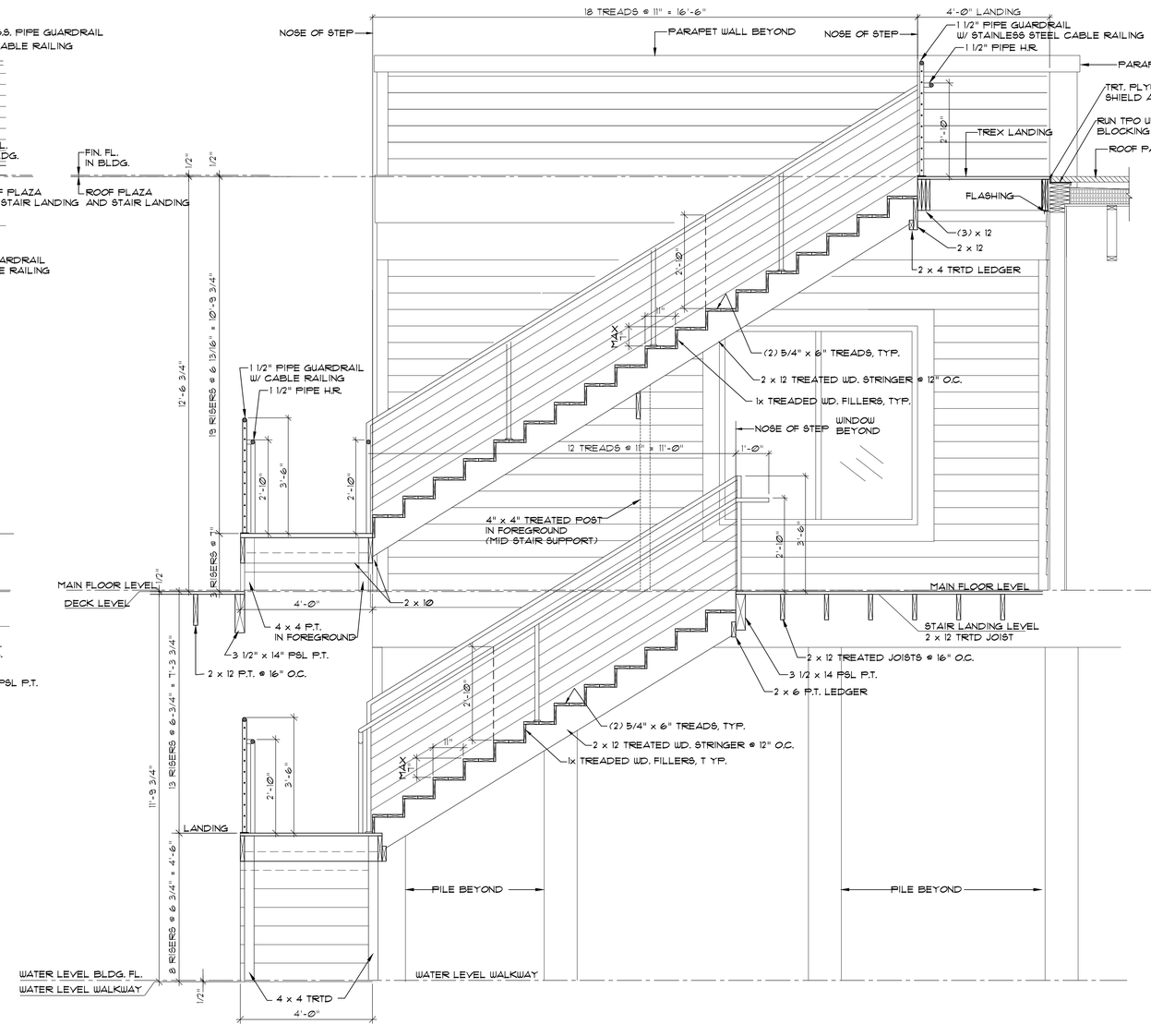


2 A-5.4 STAIR SECTION
SCALE: 1/2"=1'-Ø"



1 A-5.4 STAIR SECTION
SCALE: 1/2"=1'-Ø"

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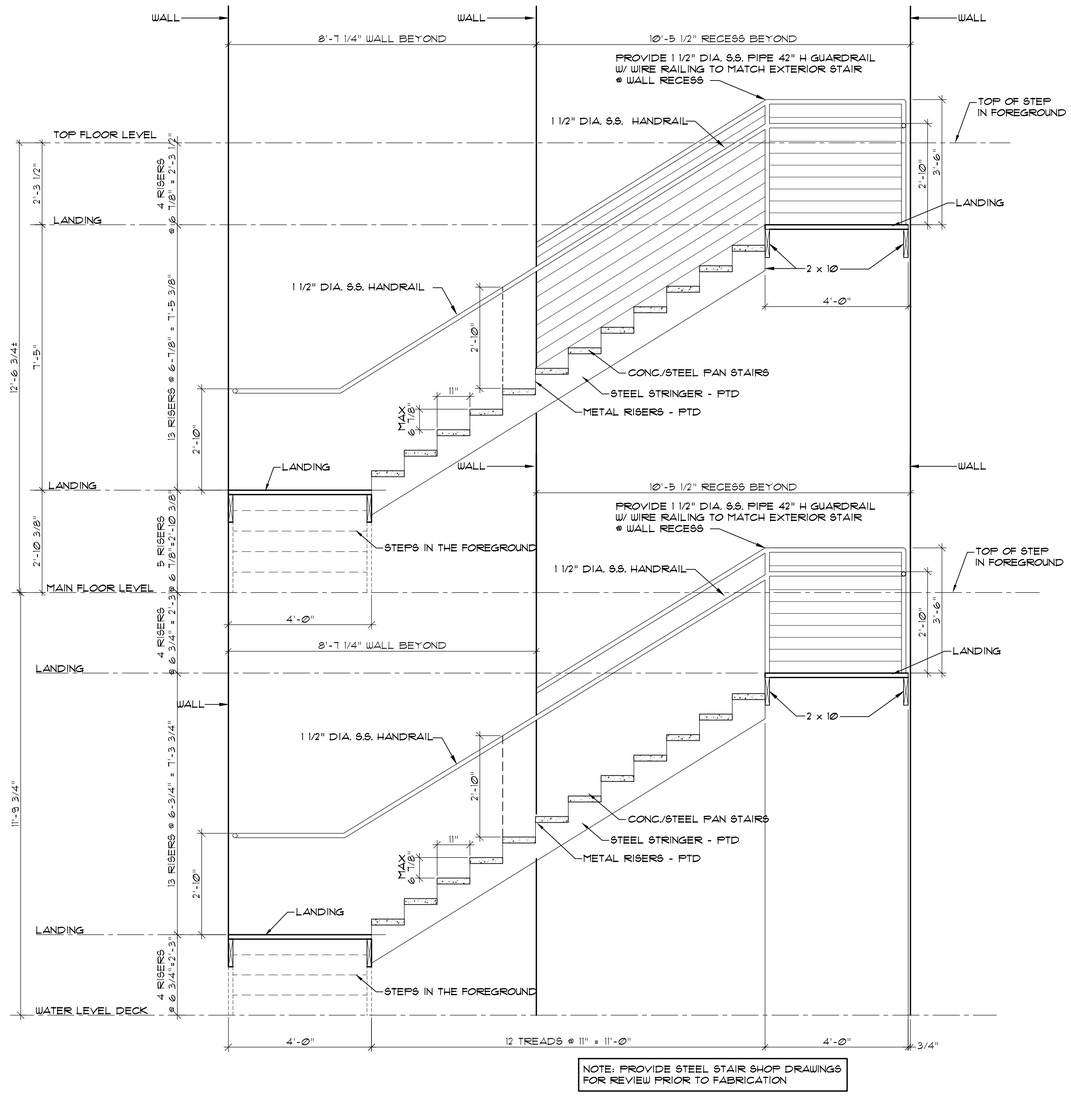

NOTE: PROVIDE STEEL STAIR SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION

1/A-5.5 STAIR SECTION

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

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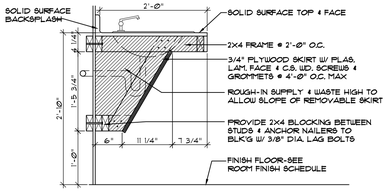
TOILET ACCESSORIES SCHEDULE

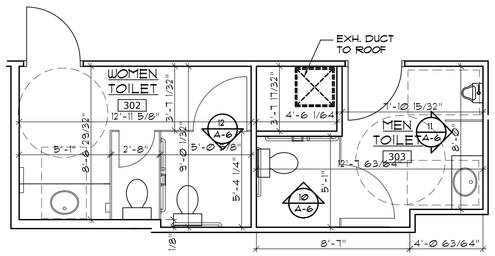
MARK	ITEM	MFG.	MODEL #	MT.HT.	REMARKS
TA-1	SOAP DISPENSER				AS SELECTED BY OWNER
TA-2	PAPER TOWEL DISPENSER				AS SELECTED BY OWNER
TA-3	NOT USED				
TA-4	NOT USED				
TA-5	MIRROR		FRAMELESS	3'-8"	HT. TO BOTTOM
TA-6	1.5" DIA. SATIN S.S. GRAB BAR	BOBRICK	B-6806 x 42	2'-9"	HT. TO ℄ - UNLESS NOTED OTHERWISE
TA-7	1.5" DIA. SATIN S.S. GRAB BAR	BOBRICK	B-6806 x 36	2'-9"	HT. TO ℄
TA-8	NOT USED				
TA-9	NOT USED				
TA-10	NOT USED				
TA-11	NOT USED				
TA-12	TOILET PAPER HOLDER		BULK		VERIFY MOUNTING HEIGHT
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 ACCESSORIES.
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.

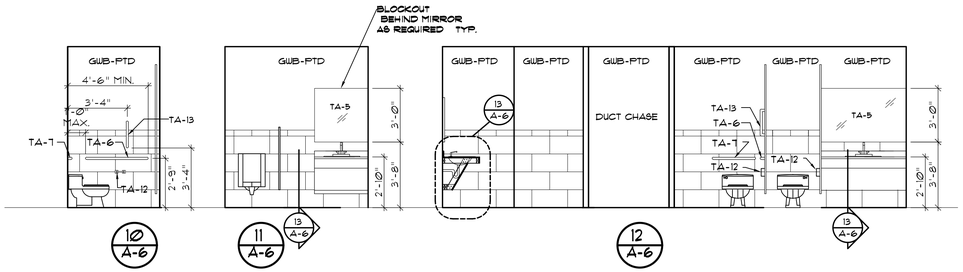


NOTE: SHADED AREA INDICATES 3/4" PLYWOOD FINISHED END PANEL WHERE EXPOSED END OCCURS.

13 / A-6 SECTION @ VANITY
SCALE: 3/4"=1'-0"

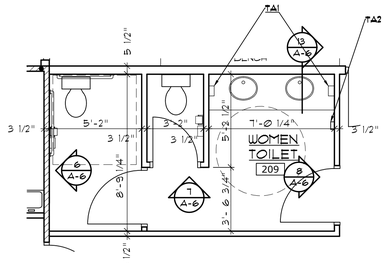


9 / A-6 PLAN
SCALE: 1/4"=1'-0"

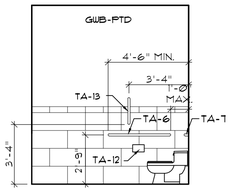


10 / A-6 · 11 / A-6 · 12 / A-6

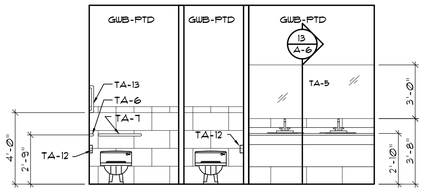
TOILET #302, #303
SCALE: 1/4"=1'-0"



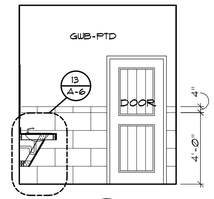
5 / A-6 PLAN
SCALE: 1/4"=1'-0"



6 / A-6

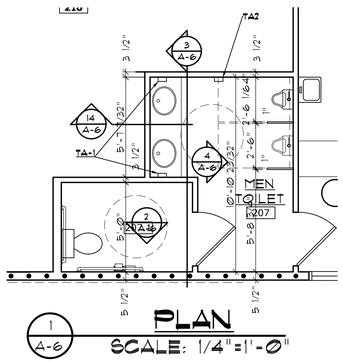


7 / A-6

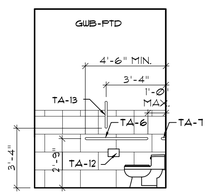


8 / A-6

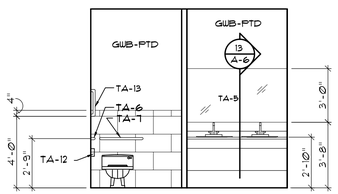
TOILET #209
SCALE: 1/4"=1'-0"



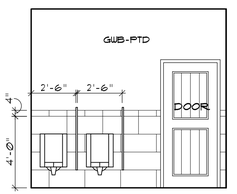
1 / A-6 PLAN
SCALE: 1/4"=1'-0"



2 / A-6



3 / A-6



4 / A-6

TOILET #207
SCALE: 1/4"=1'-0"

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ENLARGED TOILET ELEVATIONS

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EXISTING FIXED TOWN OF SWANSBORO PUBLIC PIER

EXISTING NEW

EXIST. OPEN DECK

EXIST. COVERED PORCH

EXIST. TOILET

EXIST. TOILET

EXIST. BLDG.

ELEV.

STAIR TO MAN LEVEL

UP

OPEN TO ABOVE

4'-0"

ENTRY VESTIBULE

GWB

PT-1

WP-1

WP-2

NEW ELECTRICAL SERVICE AREA

WALK-IN COOLER K63

LULA ELEV.

MATCH EXIST. BLDG FFE

BREAK AWAY WALLS

STORAGE 102

NEW BULKHEAD

COVERED PORCH ABOVE

WALKWAY TO TOWN FIXED DOCK

WATER LEVEL WALKWAY 103

PREVIOUS COVERED DECK LINE

PREVIOUS BUILDING LINE

PREVIOUS DECK LINE

PREVIOUS BUILDING LINE

PREVIOUS BUILDING LINE

PREVIOUS DECK LINE

PREVIOUS BUILDING LINE

PREVIOUS DECK LINE

G.R.

H.R.

UP

4'-0"

7'-6"

LEGEND

PT-1	PORCELAIN WOOD LOOK TILE, ZARA 3"X27", EML3435
GWB	GYPSUM WALLBOARD PAINTED
WP-1	1X10 WOOD PLANKS MOUNTED HORIZONTAL
WP-2	6'-0" WOOD PLANK MOUNTED VERTICAL WAINSCOTING W/ GWB-PTD ABOVE (VARIOUS SIZE WOOD 1X4, 1X6, 1X8, AND 1X10 MOUNTED VERTICAL)

1/F-1 WATER LEVEL FLOORING & WALL FINISH PLAN

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

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Coastal Architecture PLLC

- Architectural Design
- Planning
- Interiors

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PRIMUS STRUCTURES

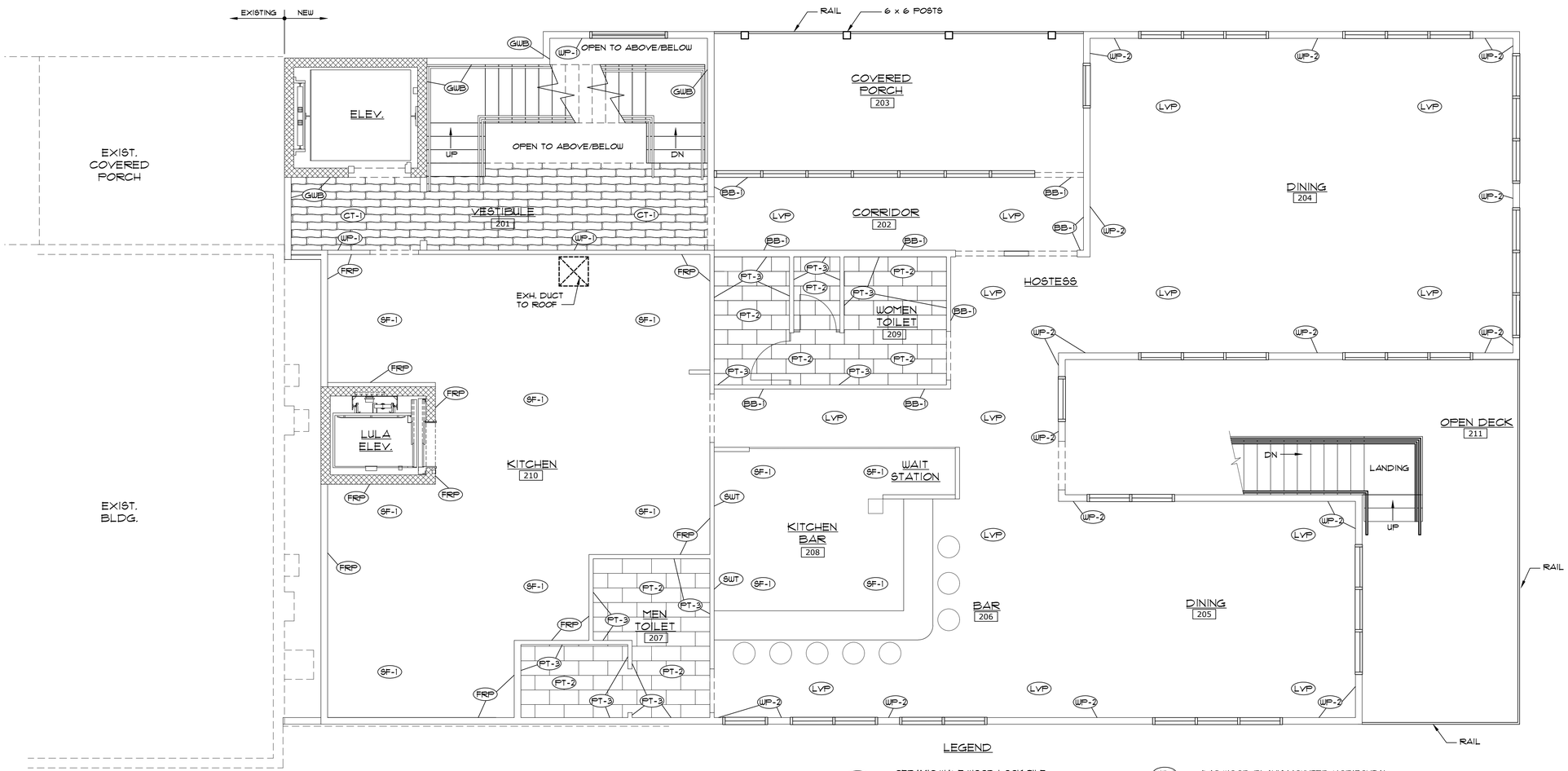
ICE HOUSE RESTAURANT
FRONT ST. & MOORE ST.
SWANSBORO, NORTH CAROLINA 28584

WATER LEVEL FLOORING & WALL FINISH PLAN

18050

ISSUED: 11/15/19
DWG BY: BLS/MES
CKD BY: LDD
REVISIONS

SHEET NO.
F-1
OF



LEGEND

CT-1	CERAMIC WAVE WOOD LOOK TILE, ROUSSE 6"X24", EML2896
LVP	SHAW FLOORTE, PREMIO 0490V PLUS PLAN 549 SIENA 6"X48" RECLAIMED LUXURY VINYL, 2490V-00549
PT-2	BEDROSIANS TILE & STONE, CHATEAU 12"X24" PORCELAIN TILE IN SMOKE, #: DOLCHASMO1224
SF-1	WET ROOM SAFETY FLOORING
GWB	GYPSUM WALLBOARD PAINTED
WP-1	1X10 WOOD PLANK MOUNTED HORIZONTAL
BB-1	ROUGH SAWN BOARD AND BATTEN HUNG VERTICAL, 3/4" X 2" (ACUAL) BATTENS TO BE PLACED 1'-0" O.C. STAINED W/ A PROTECTIVE POLYURETHANE COATING.
PT-3	BEDROSIANS TILE & STONE, CHATEAU 12"X24" PORCELAIN WALL TILE IN TOBACCO, #: DOLCHATOB1224 - MOUNTED 4'-0" OFF FLOOR W/ GWB-PTD ABOVE. (BULLNOSE TO MATCH)
SWT	4"X6" SUBWAY TILE FLOOR TO CEILING
WP-2	6'-0" WOOD PLANK MOUNTED VERTICAL WAINSCOTING W/ GWB-PTD ABOVE (VARIOUS SIZE WOOD 1X4, 1X6, 1X8, AND 1X10 MOUNTED VERTICAL)
FRP	WHITE FIBERGLASS REINFORCED PANELS

MAIN FLOOR FLOORING & WALL FINISH PLAN

F-1.1 SCALE: 1/4"=1'-0"

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CERT. NO. 51792 — LEE D. DIXON, JR. — REGISTERED ARCHITECT — NORTH CAROLINA — 6419

MAIN FLOOR FLOORING & WALL FINISH PLAN

18050

ISSUED:	11/15/19
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CKD BY:	LDD

REVISIONS

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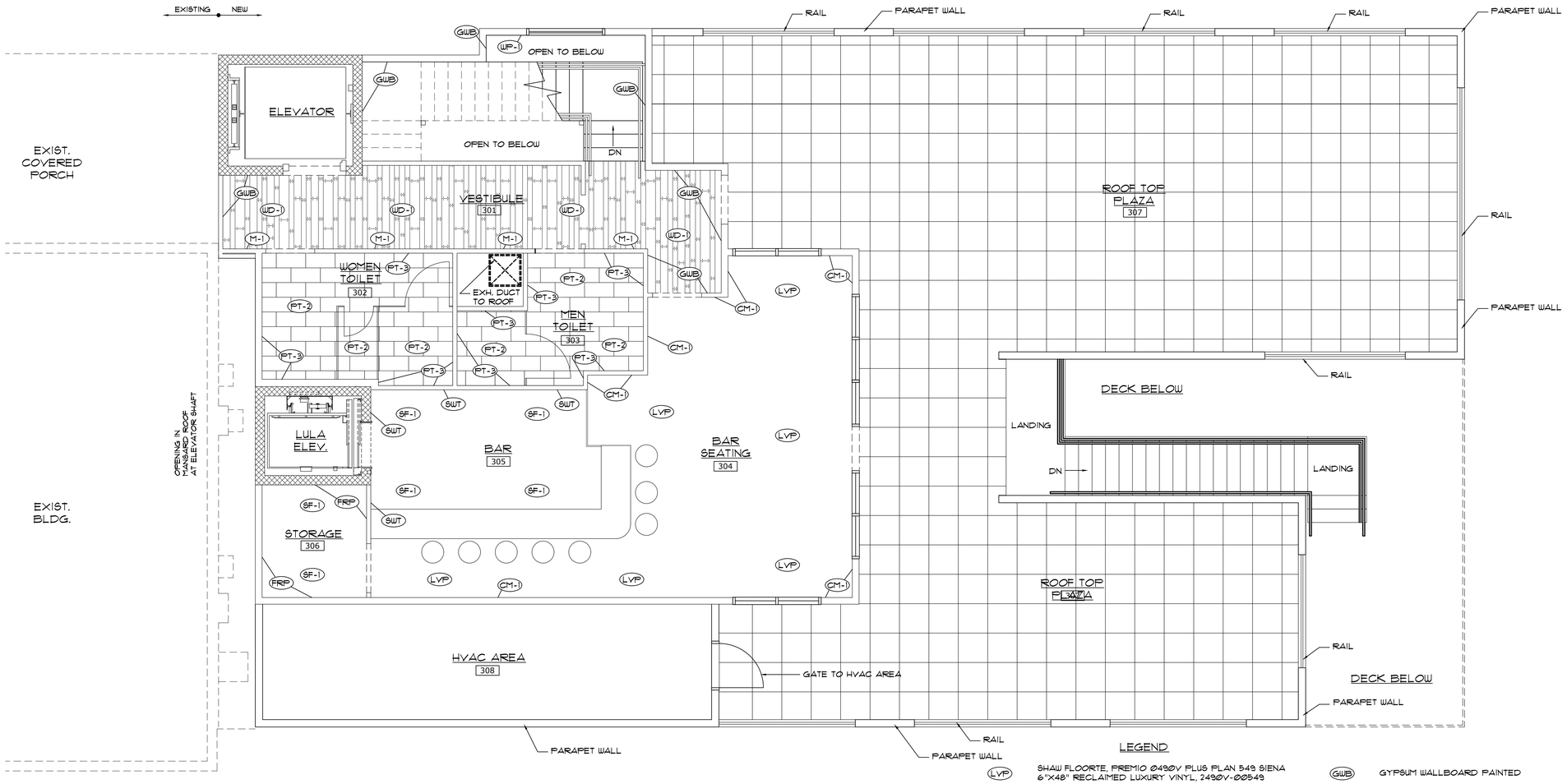

LEGEND

LVP	SHAW FLOORTE, PREMIO Ø49ØV PLUS PLAN 549 SIENA 6"X48" RECLAIMED LUXURY VINYL, 249ØV-ØØ549
PT-2	BEDROSIANS TILE & STONE, CHATEAU 13"X24" PORCELAIN TILE IN SMOKE, #: DOLCHA9MO1224
SF-1	WET ROOM SAFETY FLOORING
WD-1	RANDOM WIDTH AND LENGTH TONGUE AND GROOVE PINE, CLEAR POLYURETHANE FINISH WITH EXPOSED SQUARE-CUT NAILS.
GWB	GYPSUM WALLBOARD PAINTED
SWT	4"X6" SUBWAY TILE FROM FLOOR TO CEILING
PT-3	BEDROSIANS TILE & STONE, CHATEAU 12"X24" PORCELAIN WALL TILE IN TOBACCO, #: DOLCHATOB1224 - MOUNTED 4'-Ø" OFF FLOOR W/ GWB-PTD ABOVE. (BULLNOSE TO MATCH)
CM-1	CORRUGATED METAL HUNG VERTICAL FROM FLOOR TO CEILING
M-1	VARIOUS SIZE FLAT SEAM GALV. METAL ROOFING MOUNTED FROM FLOOR TO CEILING

1 / F-1.2 ROOF PLAZA FLOORING & WALL FINISH PLAN

SCALE: 1/4"=1'-Ø"

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COASTAL ARCHITECTURE PLLC CERT. NO. C-2792 REGISTERED

JAMES E. WORKMAN 6419 REGISTERED PROFESSIONAL ENGINEER

ROOF PLAZA FLOORING & WALL FINISH PLAN

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