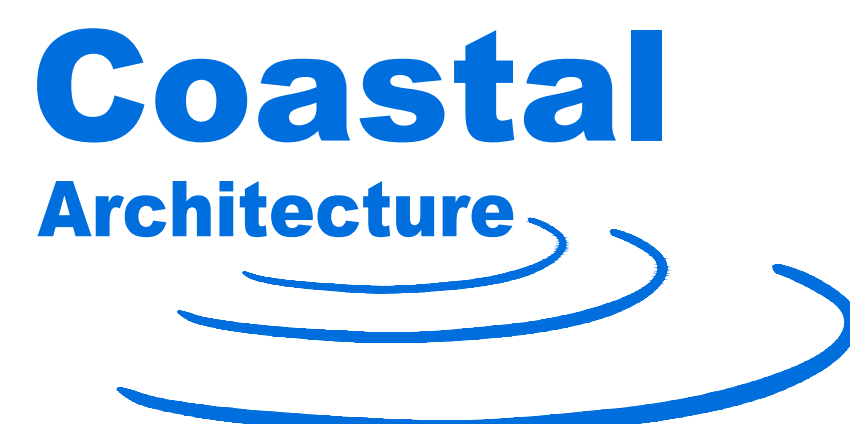


REPAIRS TO CARTERET COMMUNITY THEATRE MOREHEAD CITY, NORTH CAROLINA

DRAWING LIST

CS-1	COVER SHEET	F1.0	PLUMBING SPECIFICATIONS
		F2.1	FIRST FLOOR DWV PLAN
G-1	GENERAL DATA	F2.2	MEZZANINE LEVEL DWV PLAN
G-2	LIFE SAFETY PLAN	F3.1	FIRST FLOOR WATER PLAN
		F3.2	MEZZANINE LEVEL WATER PLAN
D-1	EXISTING PLAN / DEMO PLAN	F4.0	DWV/WATER RISER
D-2	EXISTING ELEVATIONS / DEMO NOTES		
		M1.0	REVISED HVAC PLAN
A-1	REPAIR FLOOR PLAN	M2.0	REVISED HVAC PLAN
A-2	REFLECTED CEILING PLAN	M2.1	REVISED HVAC PLAN
A-3	DOOR, WINDOW AND ROOM FINISH SCHEDULES	M3.0	REVISED HVAC PLAN
A-4	EXTERIOR ELEVATIONS		
A-5	BUILDING SECTIONS AND DETAILS	E1	ELECTRICAL SPECIFICATIONS
A-5.1	BUILDING SECTIONS	E2.0	FIRST FLOOR FLOOR LIGHTING PLAN
A-5.2	WALL SECTIONS	E2.1	NEW MEZZANINE LIGHTING PLAN
A-5.3	WALL SECTIONS	E3.0	NEW FIRST FLOOR POWER PLAN
A-6	ENLARGED PLANS, SECTIONS, INTERIOR ELEVATIONS, DETAILS	E3.1	NEW MEZZANINE POWER PLAN
A-6.1	INTERIOR ELEVATIONS	E4	PANELS AND RISER
A-7	ENLARGED PLANS, SECTIONS, INTERIOR ELEVATIONS, DETAILS		
A-8	DETAILS	FA1	FIRE ALARM RISER
		FA2.0	FIRE ALARM PLAN
PH-0	EXISTING PHOTOS PLAN	FA2.1	NEW MEZZ. FIRE ALARM PLAN
PH-1	PHOTOS		
PH-1.1	PHOTOS		
PH-2	PHOTOS		
PH-2.1	PHOTOS		
PH-2.2	PHOTOS		
S-1	STAGE FRAMING PLAN		



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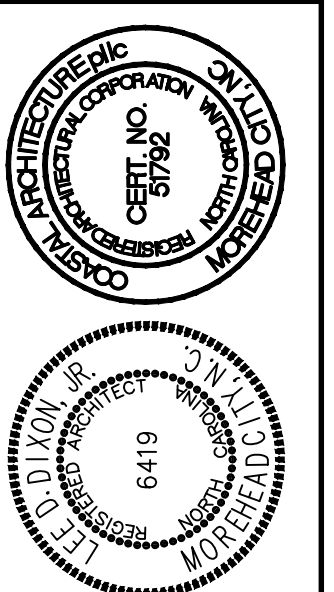
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COVER SHEET

24034

ISSUED: 24 JULY 24

DWG BY: MSG

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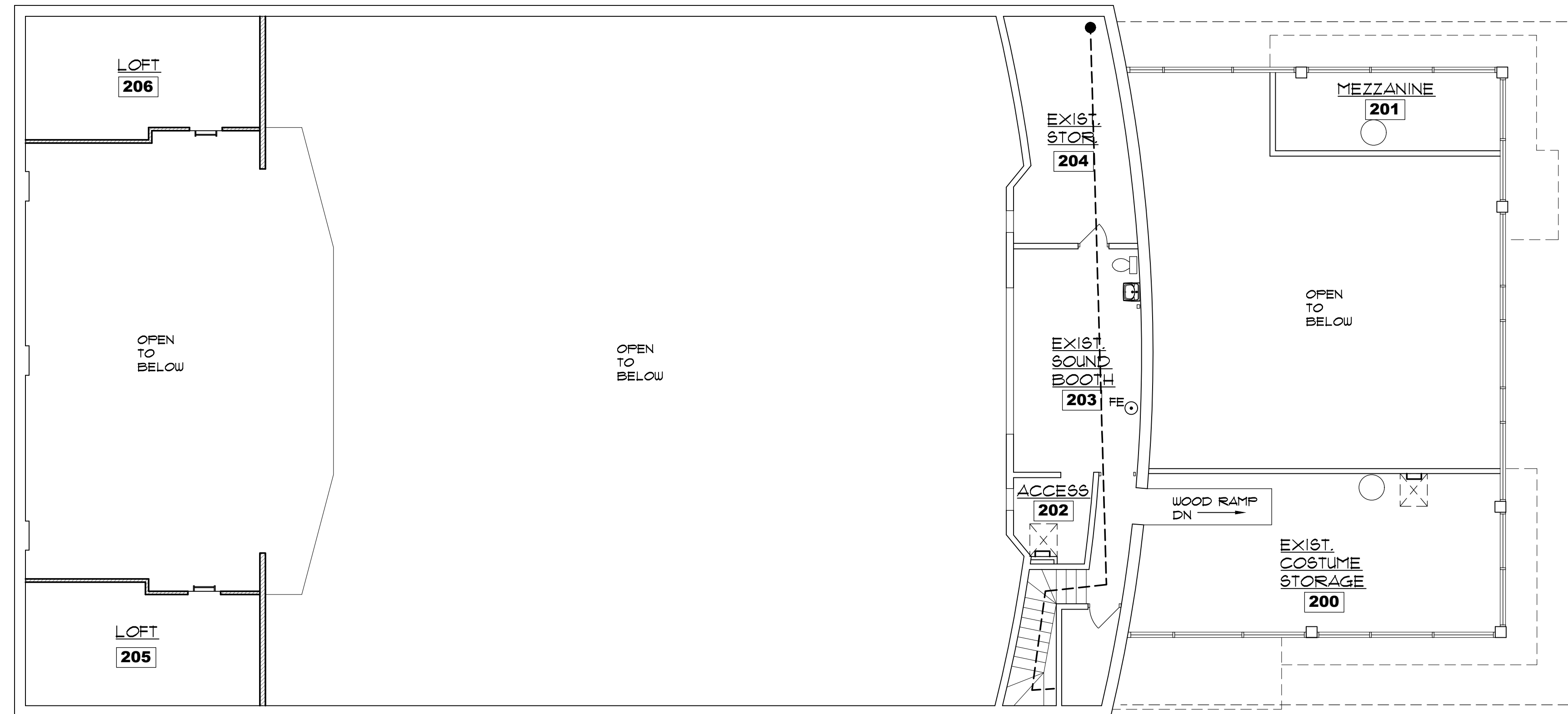
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SHEET NO.

CS-1
OF

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MEZZANINE LIFE SAFETY PLAN

SCALE: 1/8" = 1'-0"

344 ALLOWABLE OCCUPANTS	135 ACTUAL OCCUPANTS
EXIT CAPACITY	

PROPERTY LINE/PUBLIC WAY > 30'

NO LIMIT OF OPENING

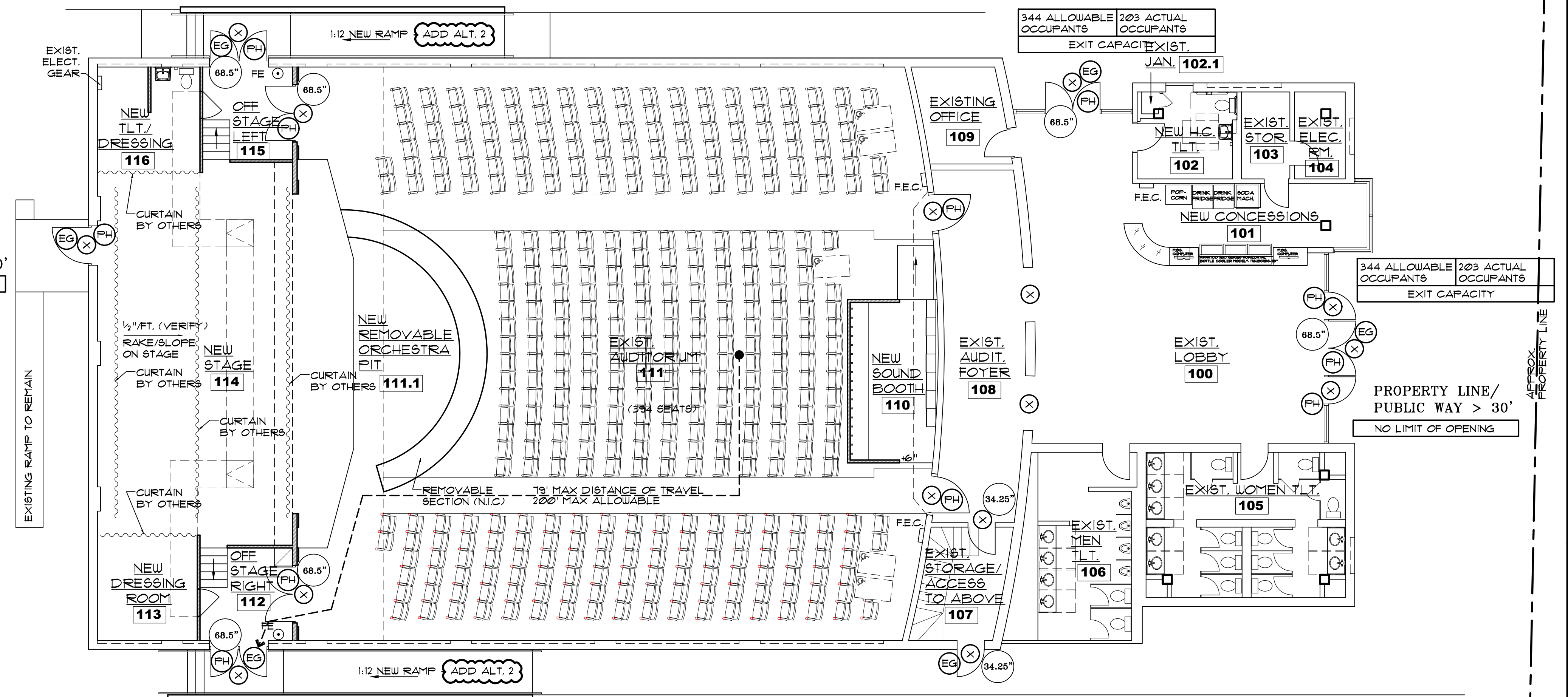
OCCUPANCY/LOAD TYPE KEYING:

A-1 • ASSEMBLY

LEGEND:

- FE ○ • FIRE EXTINGUISHER ON STANDARD HOOK
- F.E.C. • FIRE EXTINGUISHER AND CABINET
LARSEN SEMI-RECESSED FS 2403-R3
BRUSHED CHROME W/ MP5 FIRE EXTINGUISHER
- 34.25" • CLEAR EXIT WIDTH
- 68.5" • CLEAR EXIT WIDTH
- ⊗ • EXIT (SEE ELECTRICAL FOR DIRECTIONAL SIGNAGE)
- ⊖ (BA) • BUILDING ADDRESS- 6" MIN. HEIGHT, ON CONTRASTING BACKGROUND, READILY VISIBLE FROM STREET
- ⊖ (KB) • KNOX BOX, FIRE DEPARTMENT KEY LOCK BOX CONFIRM LOCATION, BRAND AND ORDERING INFORMATION W/ FIRE DEPARTMENT
- ⊖ (FH) • PANIC HARDWARE
- ⊖ (EM) • EMERGENCY LIGHT
- ⊖ (EG) • EGRESS LIGHT

PROPERTY LINE > 30'
NO LIMIT OF OPENING



PROPERTY LINE/PUBLIC WAY > 30'

NO LIMIT OF OPENING

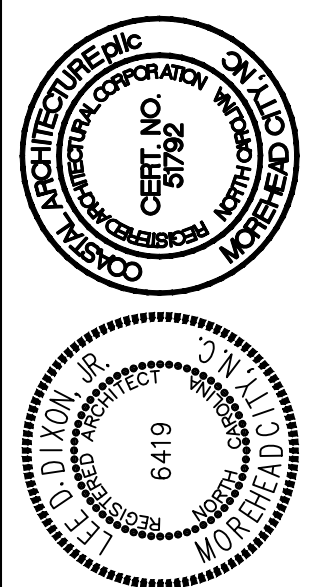
171 ALLOWABLE OCCUPANTS	EXIT CAPACITY
-------------------------	---------------

FIRST FLOOR LIFE SAFETY PLAN

SCALE: 1/8" = 1'-0"

344 ALLOWABLE OCCUPANTS	135 ACTUAL OCCUPANTS
EXIT CAPACITY	

NOTE: THIS IS AN EXISTING BUILDING UNDERGOING REPAIRS - ALL EXITS ARE EXISTING



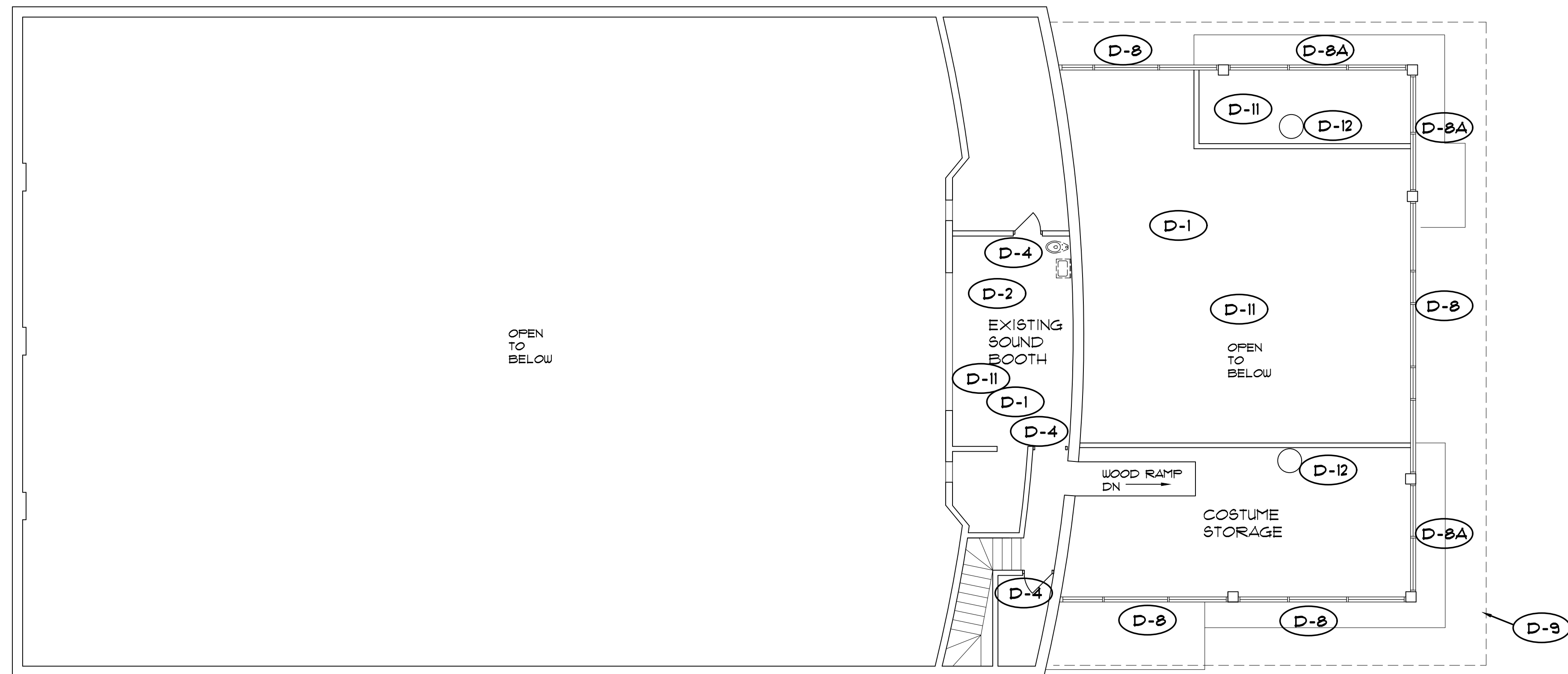
NEW FLOOR PLAN

24034

ISSUED: 24 JULY 24
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CKD BY: LDD

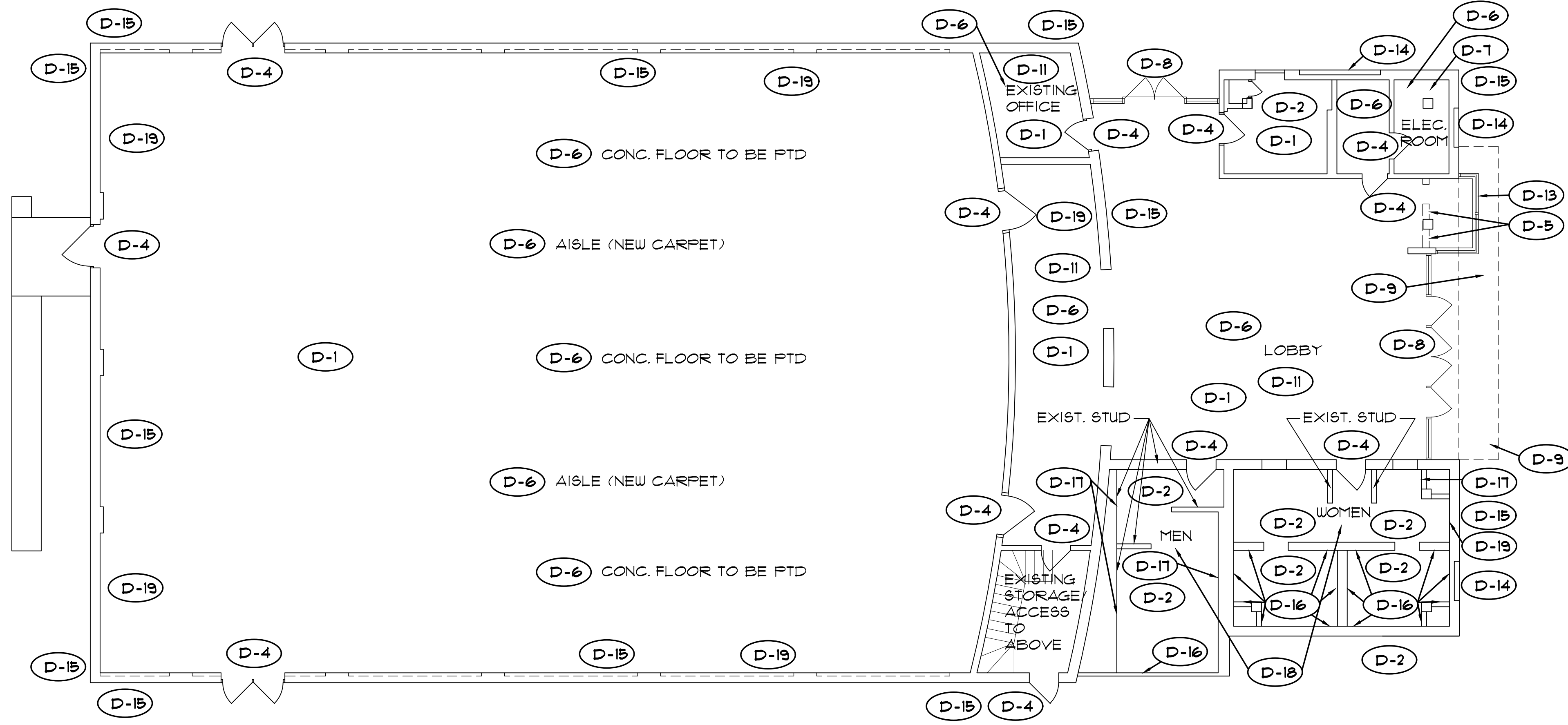
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G-2
OF



WALL LEGEND
 ——— EXISTING WALL
 - - - - - WALLS TO BE REMOVED

2 EXISTING MEZZANINE FLOOR PLAN/ DEMO PLAN
 D-1 SCALE: 1/8" = 1'-0"



WALL LEGEND
 ——— EXISTING WALL
 - - - - - WALLS TO BE REMOVED

1 EXISTING FIRST FLOOR PLAN/ DEMO PLAN
 D-1 SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- SEE ALSO 7/24/24 PHOTOS
- CONTRACTORS TO REVIEW EXISTING CONDITION IN THE FIELD.

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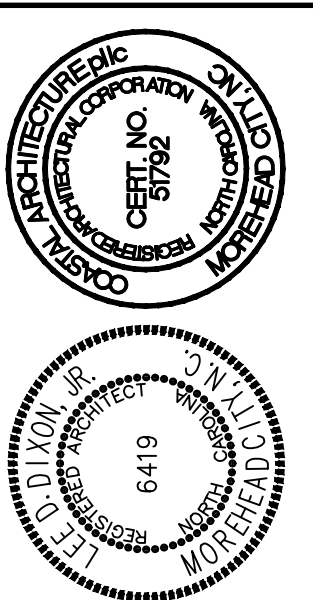
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REPAIRS TO CARTERET COMMUNITY THEATRE
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DEMO NOTES:

- D-1: REMOVE ALL REMAINING MISC. CONDUITS, WIRING, LIGHTING, ETC. -SEE ALSO FME PLANS
- D-2: EXISTING FLOORING TO REMAIN TO BE CLEANED
- D-3: REMOVE EXISTING TOILET ROOM FIXTURES, COMPONENTS, WALL & FLOOR TILE- PREPARE FOR NEW TOILET ROOM
- D-4: REMOVE EXISTING DOOR AND/OR FRAME
- D-5: REMOVE PORTION OF EXISTING WALL REQUIRED FOR NEW PLAN
- D-6: PREP NEW FLOOR
- D-7: REMOVE EXISTING SHELVING
- D-8: REMOVE EXISTING STOREFRONT SYSTEM
- D-8A: EXISTING STOREFRONT TO REMAIN
- D-9: PREVIOUSLY REMOVED EXISTING HANGING SOFFIT STRUCTURE
- D-10: REMOVE EXISTING FRAMING AND ELECTRICAL.
- D-11: REMOVE ALL REMAINING HVAC DUCT AND COMPONENTS -SEE ALSO MECHANICAL PLANS
- D-12: REMOVE EXISTING WATER HEATER -SEE ALSO PLUMBING PLANS
- D-13: REMOVE EXISTING WINDOW
- D-14: REPAIR/CLEAN EXISTING DISPLAY CASE FRAME AND GLASS
- D-15: CLEAN EXISTING BRICK
- D-16: EXIST WALL TILE TO REMAIN - CLEAN AND REPAIR
- D-17: PREP FOR NEW TILE ON EXISTING WALL
- D-18: FLOOR TILE TO REMAIN -CLEAN AND REPAIR
- D-19: EXISTING EXPOSED BRICK TO REMAIN -CLEAN



EXISTING FLOOR PLANS / DEMO PLANS

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D-1
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GENERAL NOTES:

- SEE ALSO 7/24/24 PHOTOS
- CONTRACTORS TO REVIEW EXISTING CONDITION IN THE FIELD.



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- Planning
- Interiors



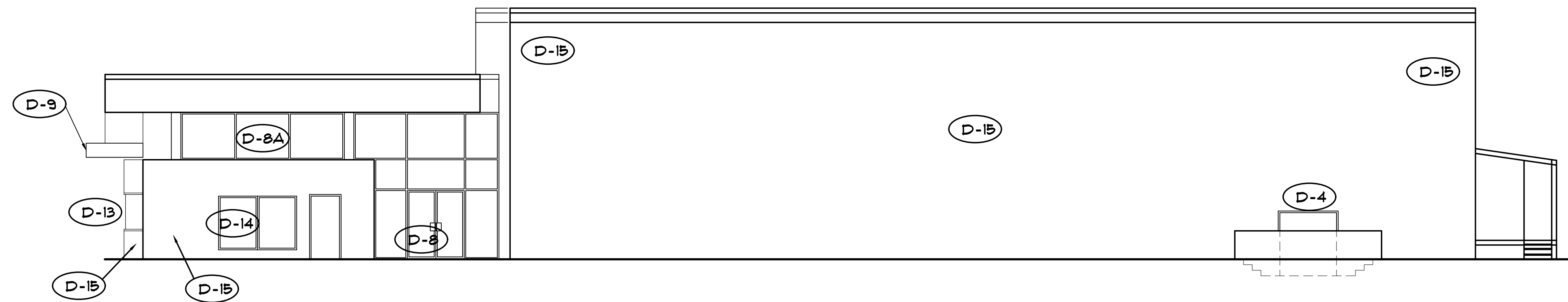
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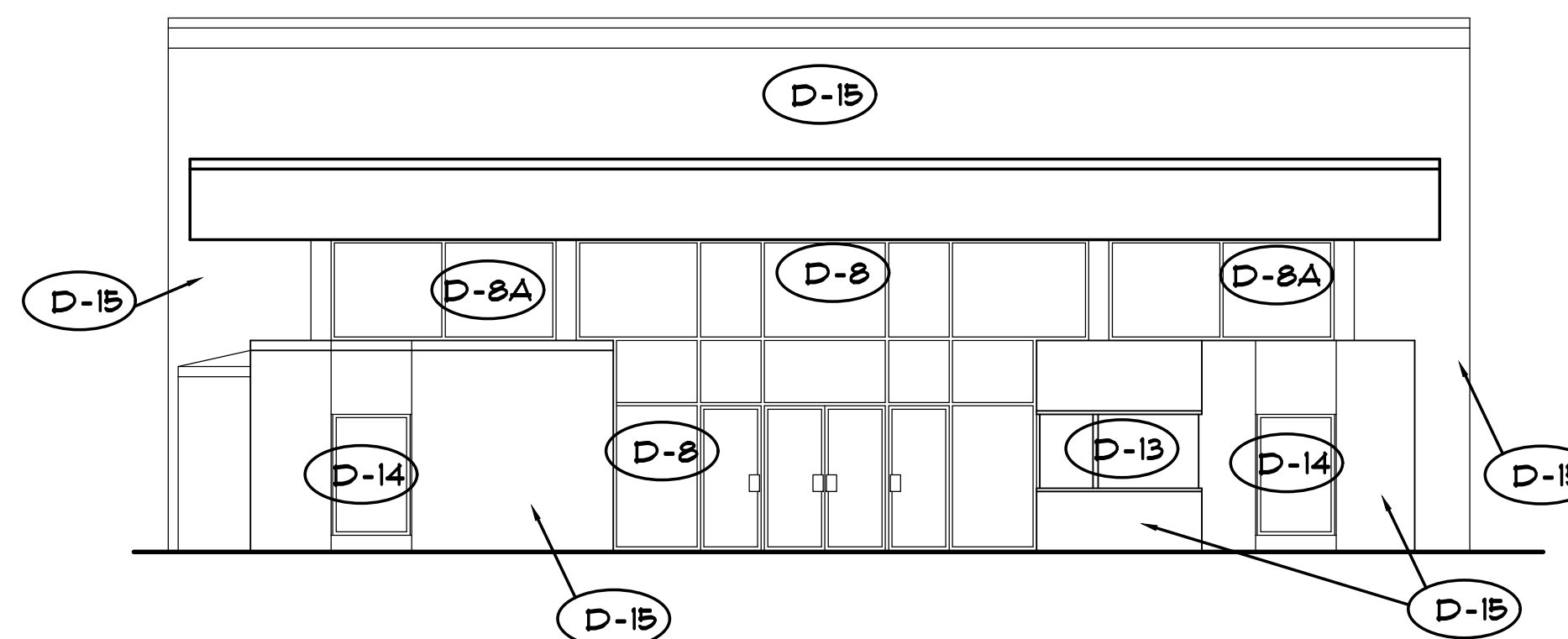
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2
D-2 **EXISTING RIGHT ELEVATION**
SCALE: 1/8" = 1'-0"

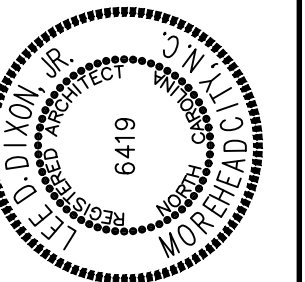
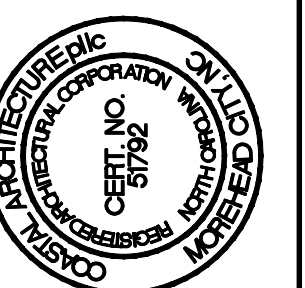


1
D-2 **EXISTING FRONT ELEVATION/ DEMO NOTES**
SCALE: 1/8" = 1'-0"

NOTE:
THIS DRAWING IS FOR REPRESENTATION OF EXISTING CONDITIONS ONLY. G.C. TO FIELD VERIFY ALL CONDITIONS PRIOR TO SUBMITTING A BID.

DEMO NOTES:

- D-1: REMOVE ALL REMAINING MISC. CONDUITS, WIRING, LIGHTING, ETC. -SEE ALSO FME PLANS
- D-2: EXISTING FLOORING TO REMAIN TO BE CLEANED
- D-3: REMOVE EXISTING TOILET ROOM FIXTURES, COMPONENTS, WALL & FLOOR TILE- PREPARE FOR NEW TOILET ROOM
- D-4: REMOVE EXISTING DOOR AND/OR FRAME
- D-5: REMOVE PORTION OF EXISTING WALL REQUIRED FOR NEW PLAN
- D-6: PREP NEW FLOOR
- D-7: REMOVE EXISTING SHELVING
- D-8: REMOVE EXISTING STOREFRONT SYSTEM
- D-8A: EXISTING STOREFRONT TO REMAIN
- D-9: PREVIOUSLY REMOVED EXISTING HANGING SOFFIT STRUCTURE
- D-10: REMOVE EXISTING FRAMING AND ELECTRICAL.
- D-11: REMOVE ALL REMAINING HVAC DUCT AND COMPONENTS -SEE ALSO MECHANICAL PLANS
- D-12: REMOVE EXISTING WATER HEATER -SEE ALSO PLUMBING PLANS
- D-13: REMOVE EXISTING WINDOW
- D-14: REPAIR/CLEAN EXISTING DISPLAY CASE FRAME AND GLASS
- D-15: CLEAN EXISTING BRICK
- D-16: EXIST WALL TILE TO REMAIN - CLEAN AND REPAIR
- D-17: PREP FOR NEW TILE ON EXISTING WALL
- D-18: FLOOR TILE TO REMAIN -CLEAN AND REPAIR
- D-19: EXISTING EXPOSED BRICK TO REMAIN -CLEAN



EXISTING ELEVATIONS / DEMO NOTES

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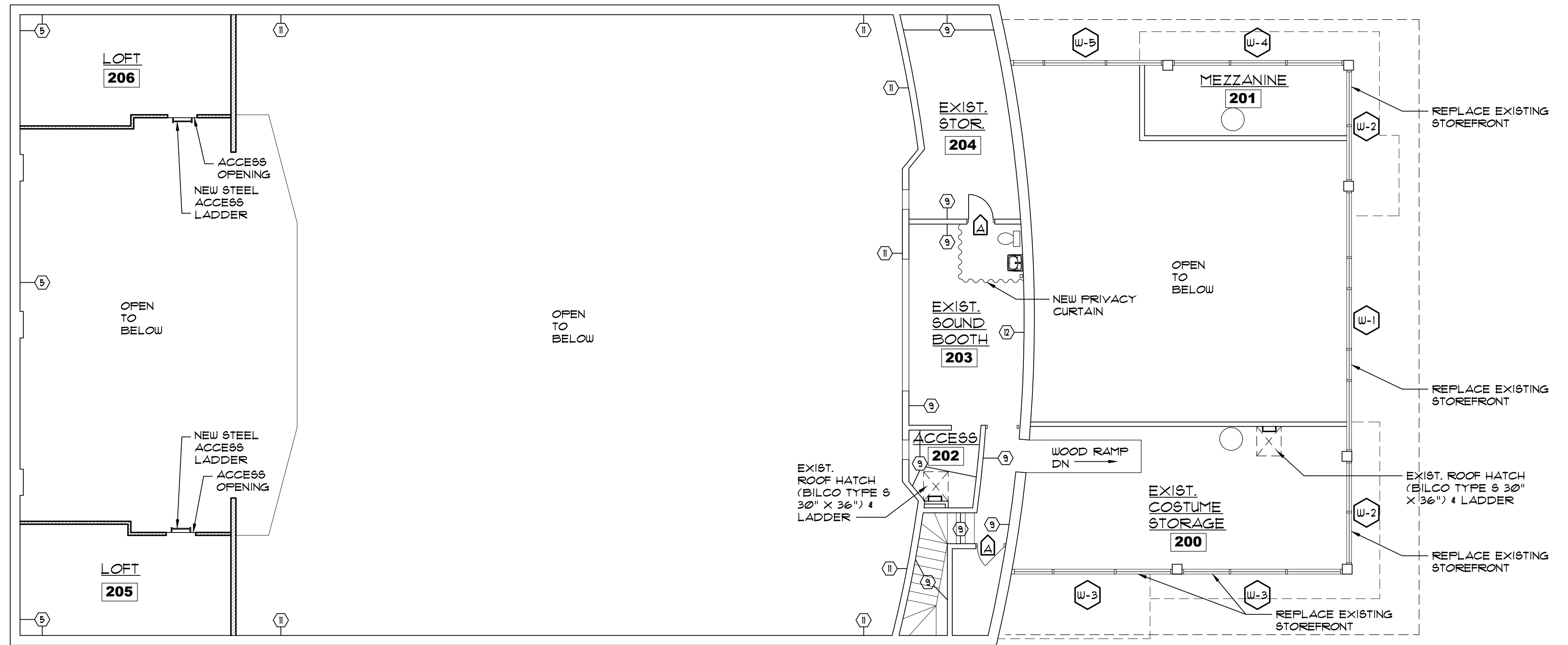
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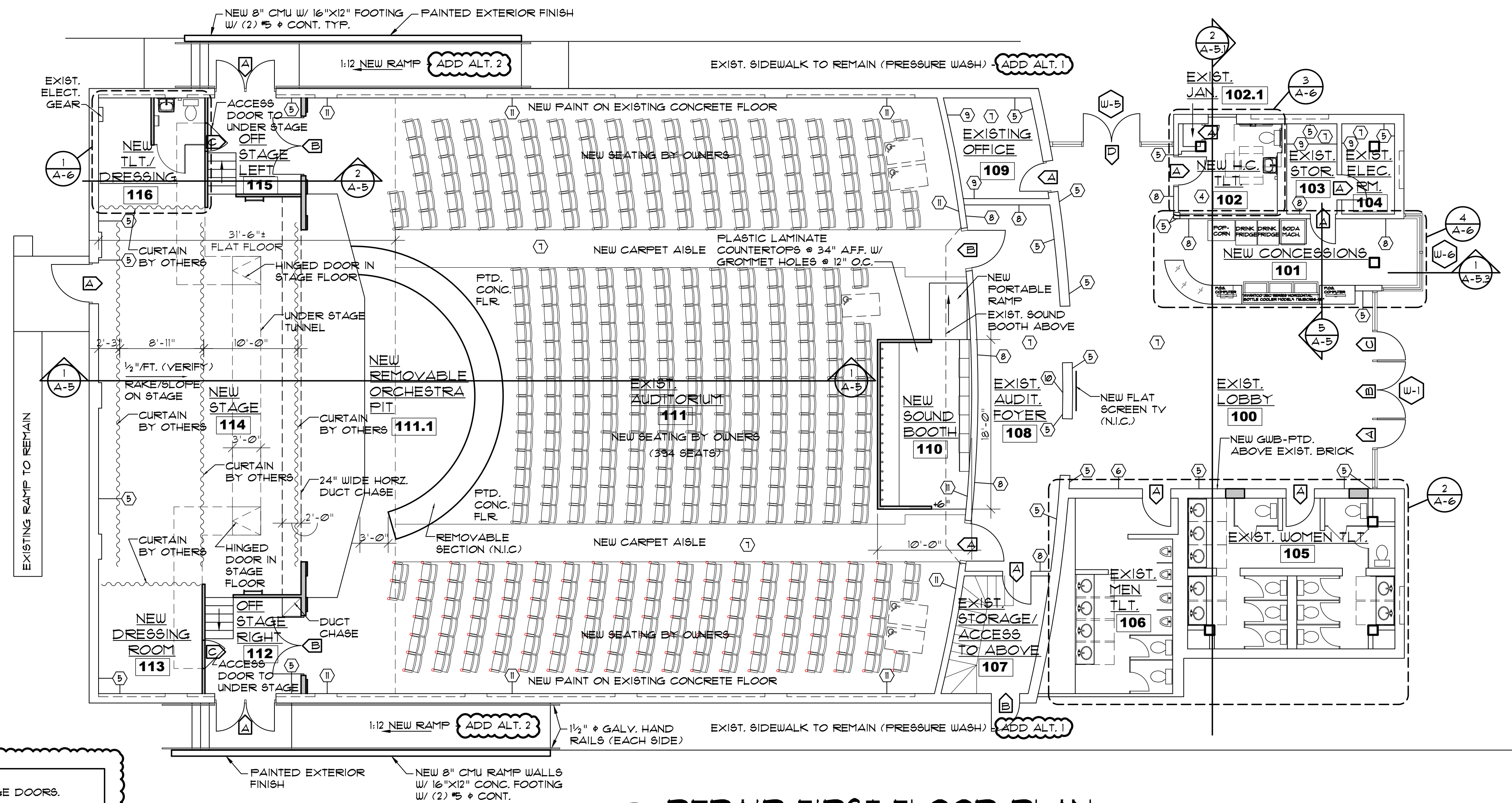
SHEET NO.
D-2
OF

KEY NOTES:

- ① NEW TILE TO MATCH EXISTING ON EXISTING WALL.
- ② NEW TILE ON BACKER BOARD ON EXISTING STUDS.
- ③ EXISTING WALL TILE TO REMAIN.
- ④ EXISTING FLOOR TILE TO REMAIN.
- ⑤ EXISTING EXPOSED BRICK TO REMAIN.
- ⑥ NEW GWB-PTD. ON EXISTING STUDS.
- ⑦ PREP FOR NEW FLOORING - SEE ROOM FINISH SCHEDULE.
- ⑧ NEW 3/8" GWB-PTD. ON EXISTING WALL.
- ⑨ EXISTING MASONRY TO BE PAINTED.
- ⑩ FILL EXISTING HOLE W/ BRICK.
- ⑪ EXISTING MASONRY TO REMAIN (CURTAINS BY OWNER).
- ⑫ EXISTING BRICK - REPAINT BLACK.

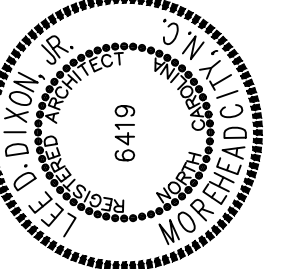
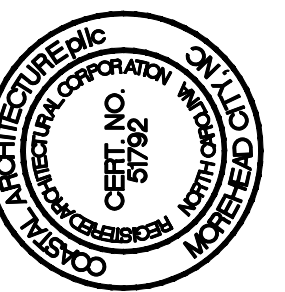


2 REPAIR MEZZANINE PLAN
 A-1 SCALE: 1/8" = 1'-0"



ADD ALTERNATE 1: PRESSURE WASH EXISTING SIDEWALKS.
 ADD ALTERNATE 2: (2) SETS FF RAMPS/RAMP WALLS/RAILS AT EXTERIOR STAGE DOORS.
 ADD ALTERNATE 3: FLUTED STAGE WALL FRONT TRIM/LOW STAGE WALL TRIM.
 ADD ALTERNATE 4: SOUND BOOTH CABINET ALLOWANCE.
 ADD ALTERNATE 5: FIRE SPRINKLER ALLOWANCE.
 ADD ALTERNATE 6: PRIME/PAINT OF EXISTING EXTERIOR BRICK VENEER.
 ADD ALTERNATE 7: R-35 OPEN CELL SPRAY FOAM INSULATION UNDER ROOF DECK. ALSO, ADD FOAM FILL AT EXISTING EXTERIOR CMU WALLS OF AUDITORIUM.

1 REPAIR FIRST FLOOR PLAN
 A-1 SCALE: 1/8" = 1'-0"



REPAIR FLOOR PLAN

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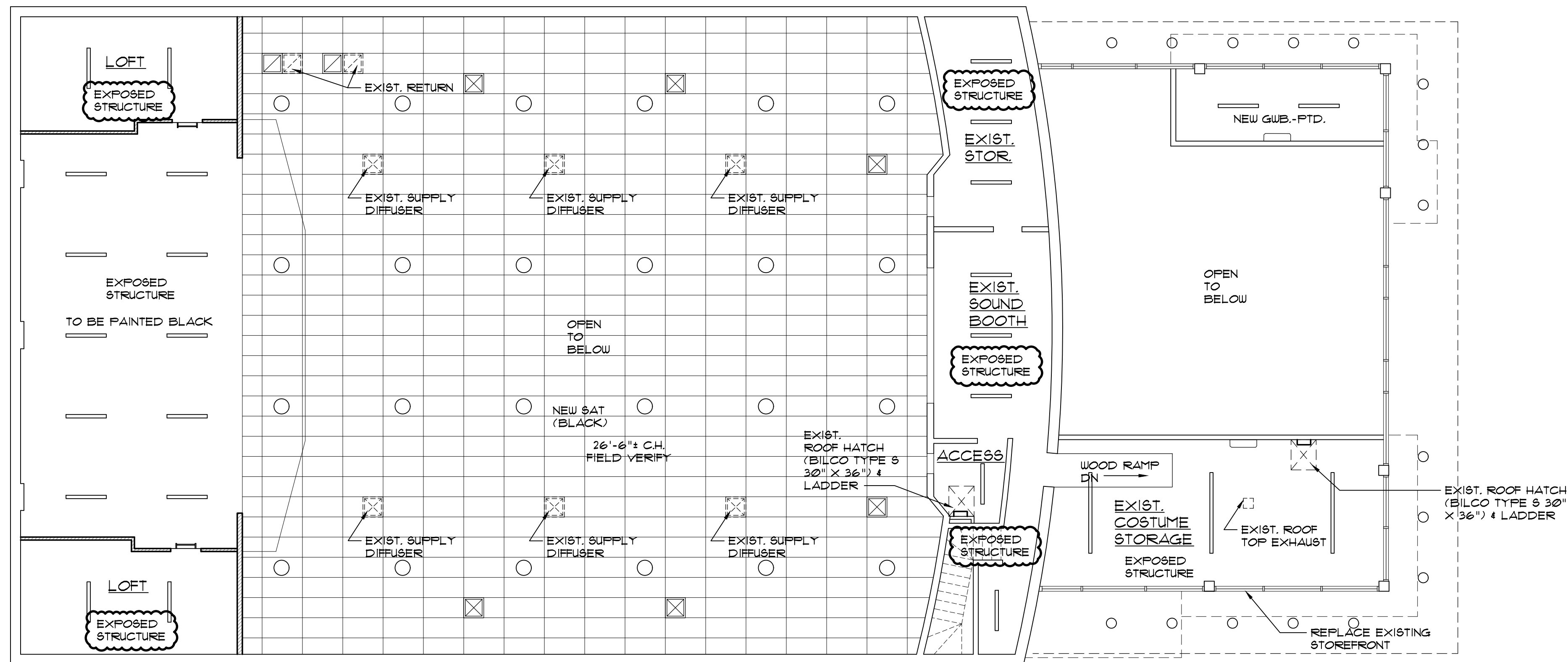
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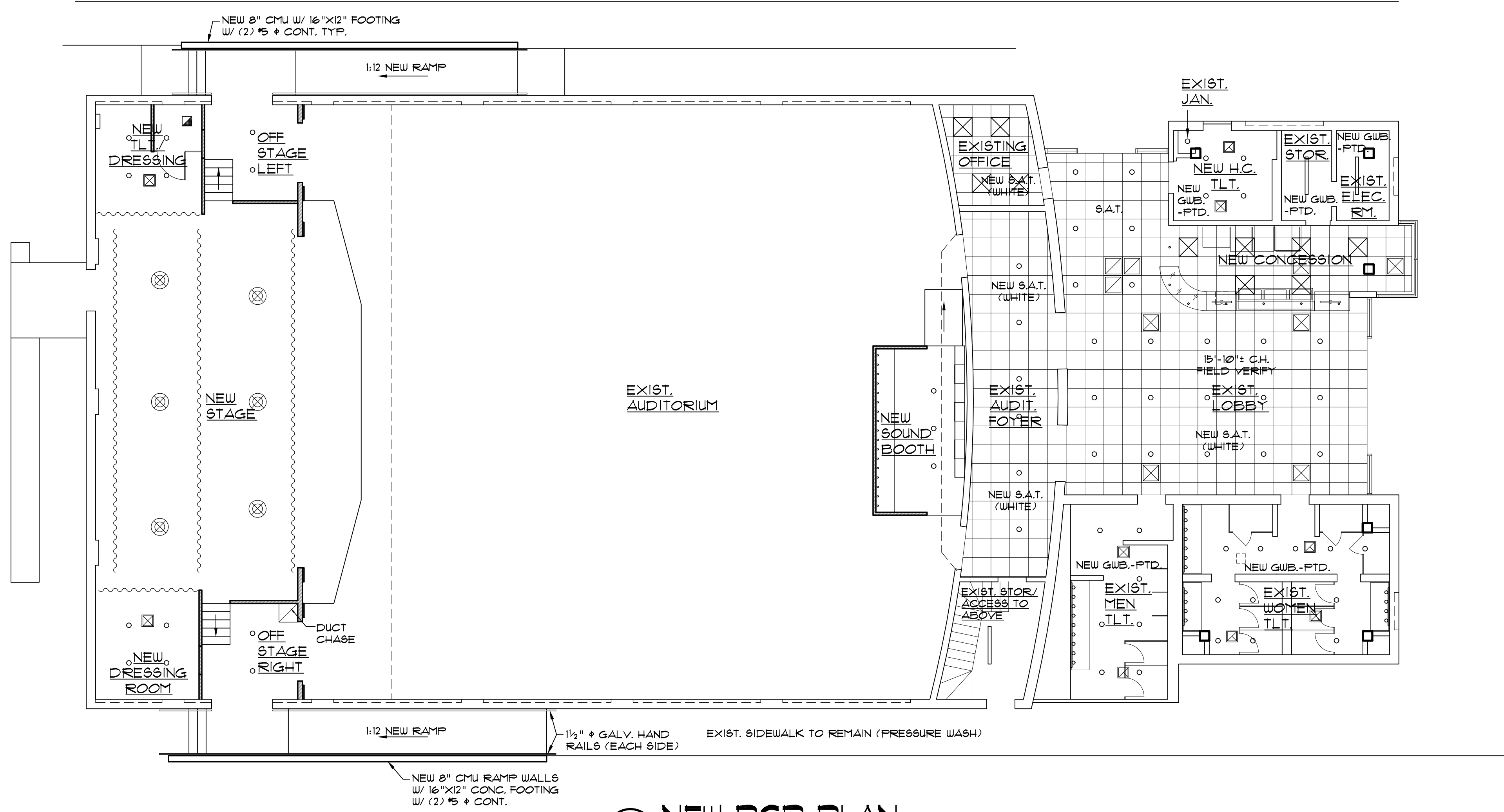
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A-1
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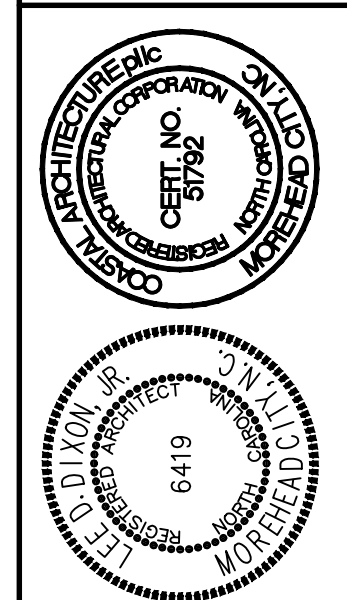
2 NEW MEZZANINE PLAN
 SCALE: 1/8" = 1'-0"



1 NEW RCP PLAN
 SCALE: 1/8" = 1'-0"

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REFLECTED CEILING PLAN

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WINDOW SCHEDULE				
MARK	TYPE	SIZE	MODEL	REMARKS
W-1	ALUM. STOREFRONT	24'-5" x 15'-6" FIXED	KAUNEER OR EQUAL	FIELD VERIFY
W-2	ALUM. STOREFRONT	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN
W-3	ALUM. STOREFRONT	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN
W-4	ALUM. STOREFRONT	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN
W-5	ALUM. STOREFRONT	15'-6" x 15'-6" FIXED	KAUNEER OR EQUAL	FIELD VERIFY
W-6	SEE EXTERIOR ELEVATIONS			FIELD VERIFY

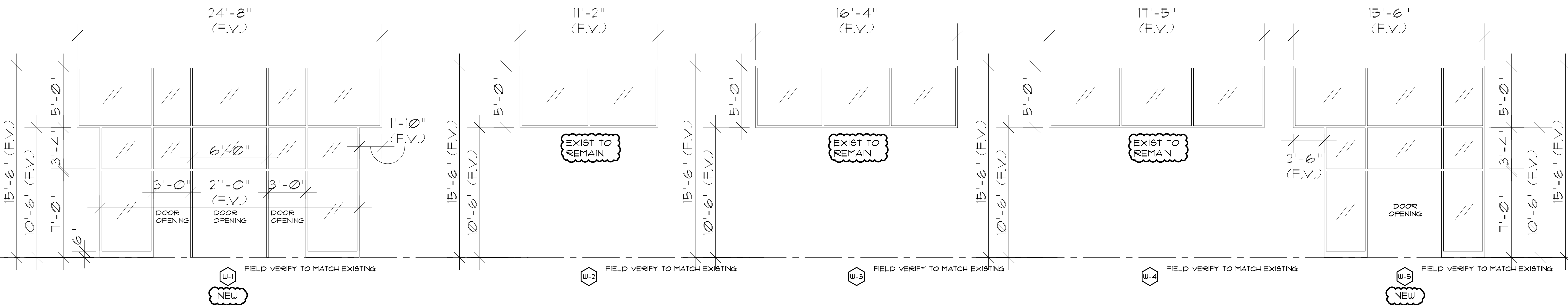
FIELD VERIFY ALL STOREFRONT OPENINGS PRIOR TO MANUFACTURING
 ALL EXTERIOR ALUM. FRAMES TO BE LIGHT BRONZE (GOLD) COLOR- SUBMIT SAMPLES FOR APPROVAL
 ALL EXTERIOR FRAMES AND GLAZING TO MEET REQUIRED WIND LOADS
 GLAZING TO BE 1" INSULATED SOLAR GREY

DOOR SCHEDULE							
DOOR NO.	SIZE	DOOR		FRAME		DETAILS	REMARKS
		MAT.	TYPE	MAT.	TYPE		
100A	3'-0" x 1'-0"	ALUM.	B	ALUM.	W-1		①②
100B	(2) 3'-0" x 1'-0"	ALUM.	A	ALUM.	W-1		①②
100C	3'-0" x 1'-0"	ALUM.	B	ALUM.	W-1		①②
100D	(2) 3'-0" x 1'-0"	ALUM.	A	ALUM.	W-5		①②
102A	3'-0" x 1'-0"	WD	C	HM	1		
103A	2'-8" x 1'-0"	WD	D	HM	2		
104A	2'-9" x 1'-0"	WD	D	HM	2		
105A	3'-0" x 1'-0"	WD	C	HM	1		③④
106A	3'-0" x 1'-0"	WD	C	HM	1		③④
107A	3'-0" x 1'-0"	WD	C	HM	1		②
107B	3'-0" x 1'-0"	HM	F	HM	5		②
109A	3'-0" x 1'-0"	WD	C	HM	5		
111A	4'-0" x 1'-0" (F.V.)	WD	E	HM	4		③④
111B	4'-0" x 1'-0" (F.V.)	WD	E	HM	4		③④
112A	(2) 3'-0" x 1'-0"	HM	F	HM	5		②
112B	(2) 3'-0" x 1'-0"	WD	C	HM	3		④
112C	3'-0" x 3'-0"	WD	H	HM	8		⑤
114A	4'-0" x 1'-0" (F.V.)	HM	G	HM	6		②
115A	(2) 3'-0" x 1'-0"	HM	F	HM	5		②
115B	(2) 3'-0" x 1'-0"	WD	C	HM	3		④
115C	3'-0" x 3'-0"	WD	H	HM	8		⑤
240A	2'-8" x 1'-0" (F.V.)	WD	D	HM	2		⑥
240A	3'-0" x 1'-0" (F.V.)	WD	C	HM	1		

① ALL EXTERIOR ALUM. FRAMES AND DOORS TO BE LIGHT BRONZE (GOLD) COLOR - SUBMIT SAMPLES FOR APPROVAL
 ② PANIC HARDWARE AND CLOSERS
 ③ CLOSERS
 ④ PUSH/PULL/KICK PLATE
 ⑤ PAINTED BLACK
 ⑥ REUSE FRAME IS POSSIBLE
 F.V. = FIELD VERIFY
 FIELD VERIFY ALL EXISTING MASONRY OPENINGS

ROOM FINISH SCHEDULE							
ROOM NUMBERS	ROOM	FLOORS	BASE	WALLS	CEILING	HEIGHT (NOMINAL)	REMARKS
1ST FLOOR							
100	EXISTING LOBBY	NEW LVP	NEW WD.	BRICK/GUB-PTD	NEW S.A.T.	15'-10"	①
101	NEW CONCESSIONS	NEW LVP	NEW WD.	NEW GUB-PTD	NEW S.A.T.	15'-10"	
102	NEW HANDICAP TOILET	EXISTING	-	NEW TILE	NEW GUB-PTD	8'-2"	①
102.1	EXISTING JANITOR	EXISTING	-	PAINT EXISTING			
103	EXISTING STORAGE	NEW LVP	VINYL	EXP. BRICK - PTD CMU			
104	EXISTING ELECTRICAL ROOM	SEALED CONC.	NEW VINYL	REPAINT EXISTING	NEW GUB-PTD	8'-2" FIELD VERIFY	
105	EXISTING WOMEN TOILET	EXISTING	-	SEE 2/A-6			②
106	EXISTING MEN TOILET	EXISTING	-	SEE 2/A-6			②
107	EXIST. STORAGE/ACCESS TO ABOVE	SEALED CONC.	-	PAINT EXIST.	EXPOSED-PTD		
108	EXISTING AUDITORIUM FOYER	NEW LVP	NEW WD.	EXIST. BRICK/NEW GUB PTD	NEW SAT	MATCH EXIST.	①
109	EXISTING OFFICE	EXISTING	NEW WD.	SEE A-1		MATCH EXIST.	①
110	NEW SOUND BOOTH	NEW CARPET	-	EXIST. MASONRY		26" FIELD VERIFY	
111	EXISTING AUDITORIUM	CONC. PTD/CARPET	-	EXIST. BRICK			③
111.1	NEW REMOVABLE ORCHESTRA PIT	CONC. PTD	-				
112	OFF STAGE RIGHT		-	NEW GUB-PTD	EXPOSED		
113	NEW DRESSING ROOM		-	NEW GUB-PTD	NEW SAT	EXP. STRUCTURE	①
114	NEW STAGE	PLYWD. - PTD	-	EXIST. BRICK/GUB PTD.		VERIFY	①
115	OFF STAGE LEFT	CONC. PTD	-	NEW GUB-PTD			①
116	NEW TLT./DRESSING	CONC. PTD	VINYL	NEW GUB-PTD			①
2ND FLOOR							
200	EXISTING COSTUME STORAGE	EXIST. CONC.	N/A	EXPOSED	EXPOSED	FIELD VERIFY	
201	MEZZANINE						
202	ACCESS						
203	EXISTING SOUND BOOTH						
204	EXISTING STORAGE						
205	LOFT	NEW PLYWOOD					
206	LOFT	NEW PLYWOOD					

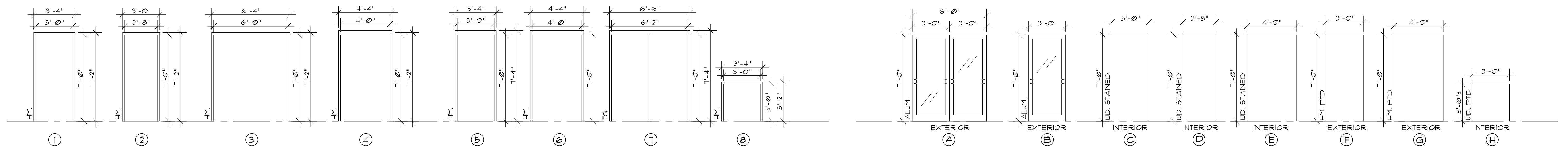
① SEE A-1 KEYNOTE
 ② SEE A-6 KEYNOTE
 ③ CURTAINS BY OWNER



FIELD VERIFY ALL EXISTING STOREFRONTS TO BE REPLACED.

ALL ALUMINUM FRAMES TO BE LIGHT BRONZE (GOLD) COLOR- SUBMIT SAMPLES FOR APPROVAL.

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

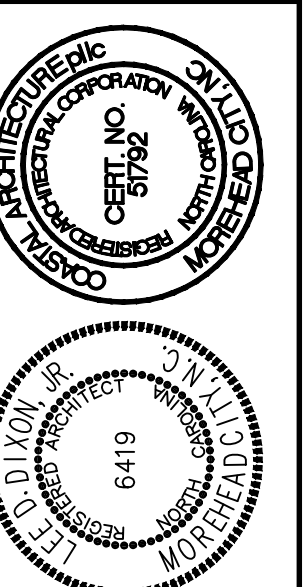


2 DOOR FRAME ELEVATIONS
 SCALE: 1/4" = 1'-0"

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

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 www.CoastalArchitecture.net

REPAIRS TO
 CARTERET COMMUNITY THEATRE
 MOREHEAD CITY, NORTH CAROLINA



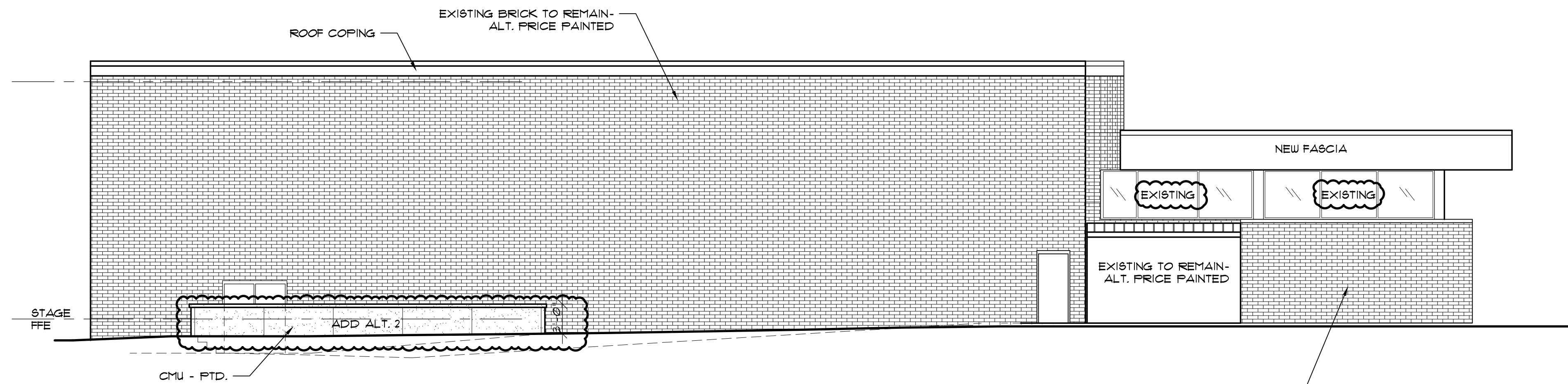
DOOR WINDOW AND ROOM FINISH SCHEDULES

24034

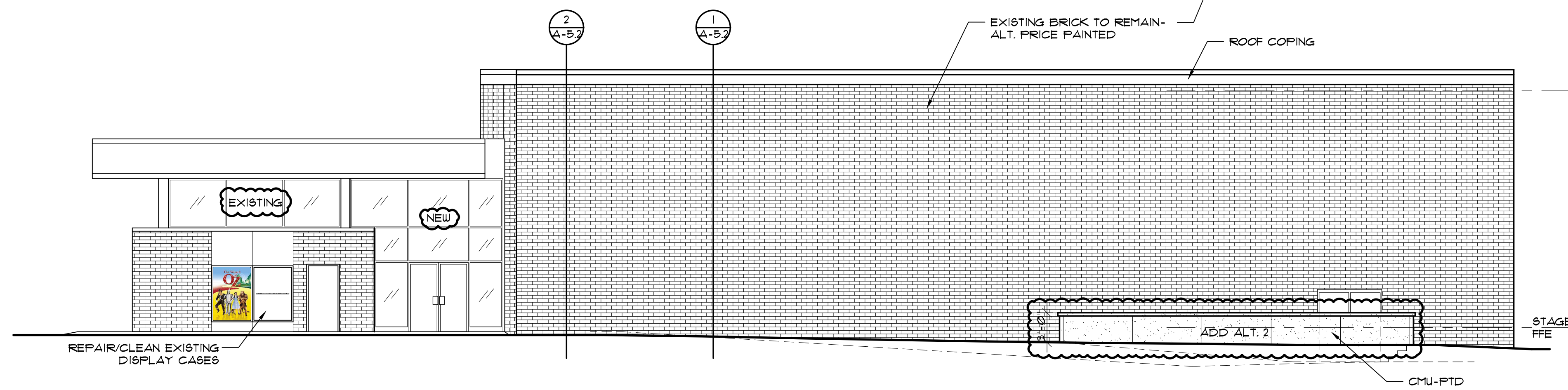
ISSUED: 24 JULY 24
 DWG BY: MSG
 CKD BY: LDD

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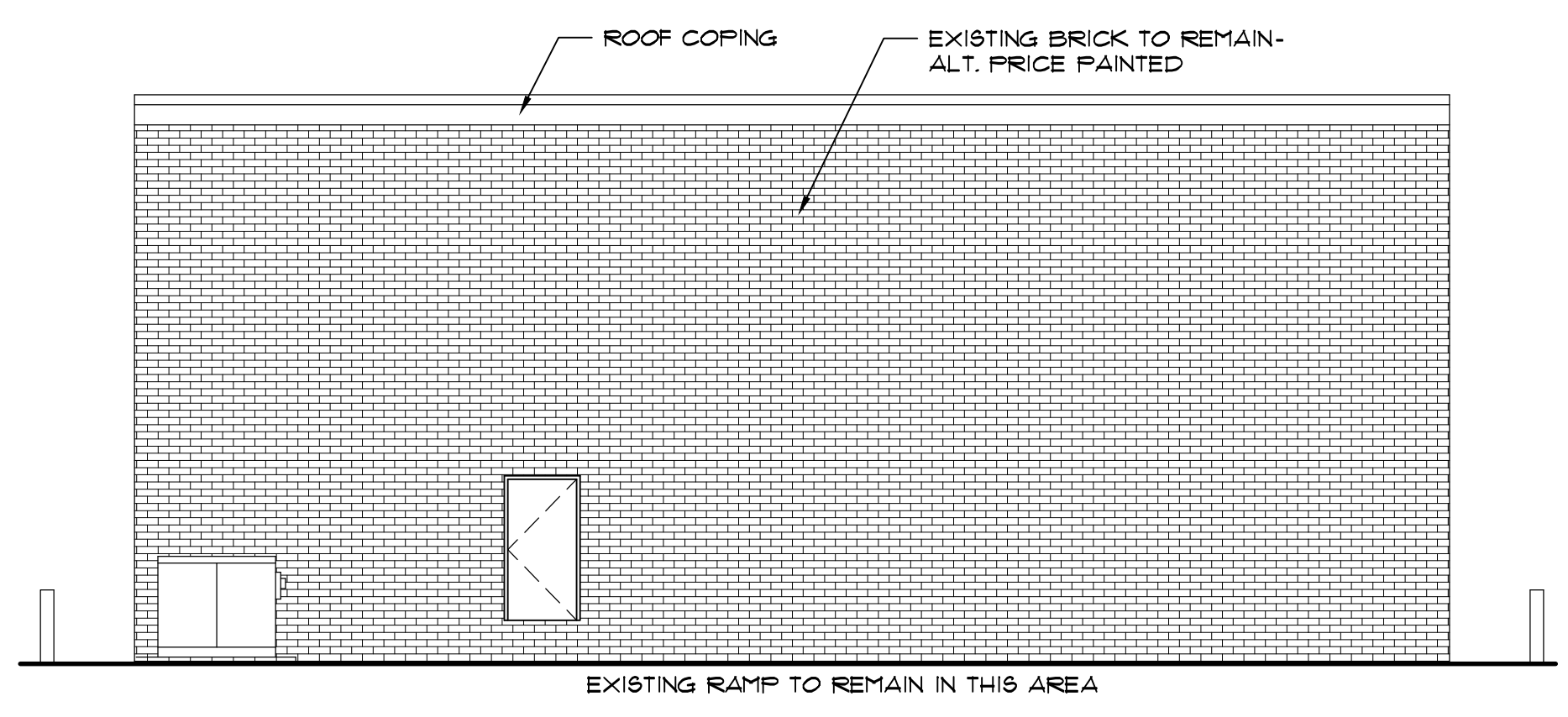
SHEET NO.
 A-3
 OF



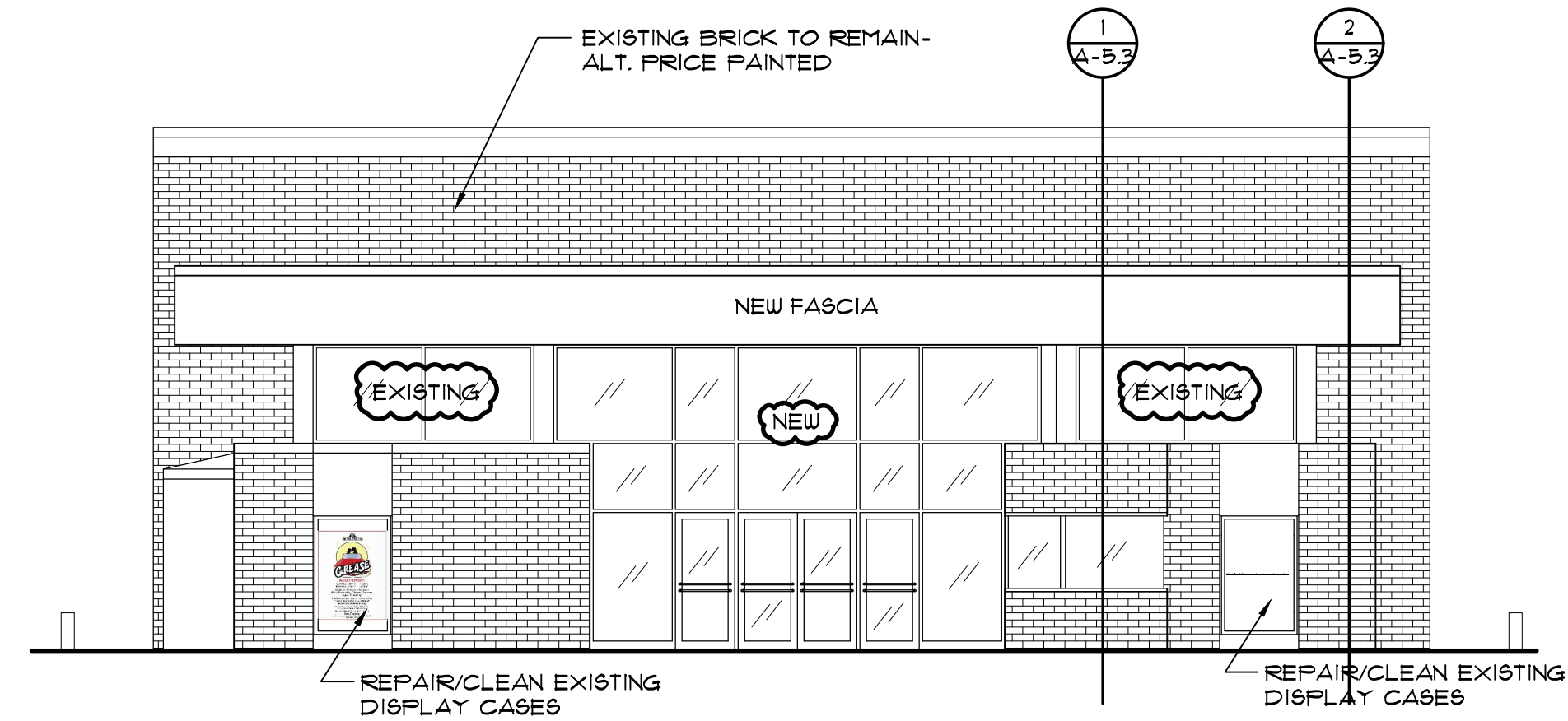
5 PROPOSED LEFT ELEVATION
SCALE: 1/8" = 1'-0"



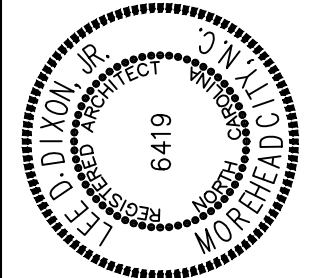
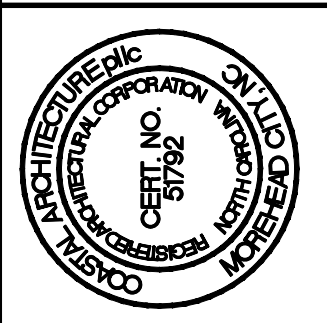
4 PROPOSED RIGHT ELEVATION
SCALE: 1/8" = 1'-0"



2 PROPOSED REAR ELEVATION
SCALE: 1/8" = 1'-0"



1 PROPOSED FRONT ELEVATION
SCALE: 1/8" = 1'-0"



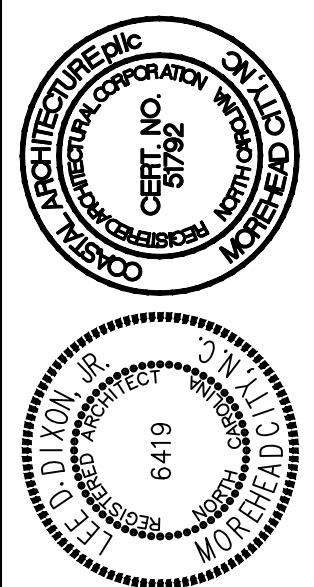
NEW EXTERIOR ELEVATIONS

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DWG BY: MSG
CKD BY: LDD

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SHEET NO.
A-4
OF



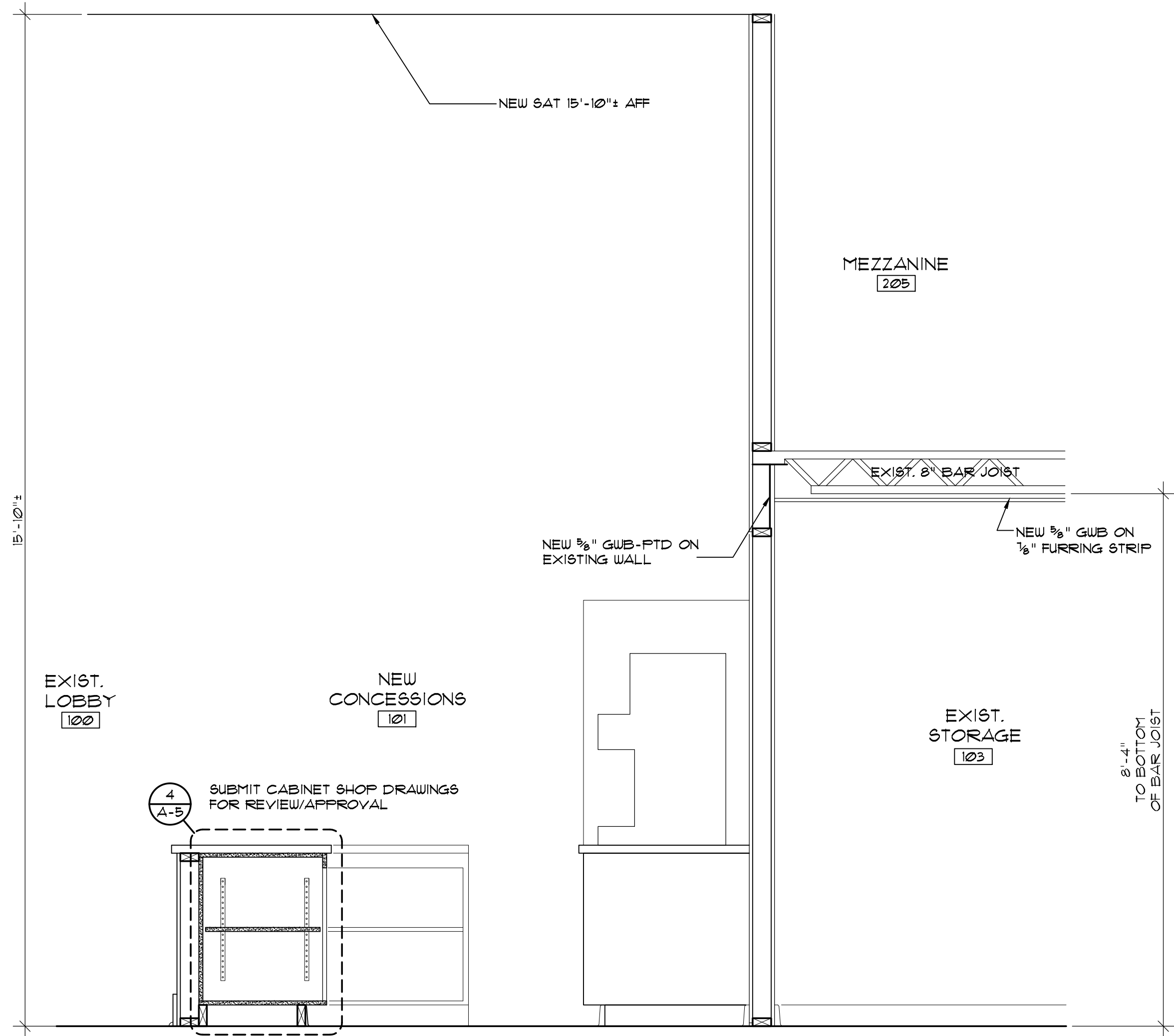
BUILDING SECTIONS

24034

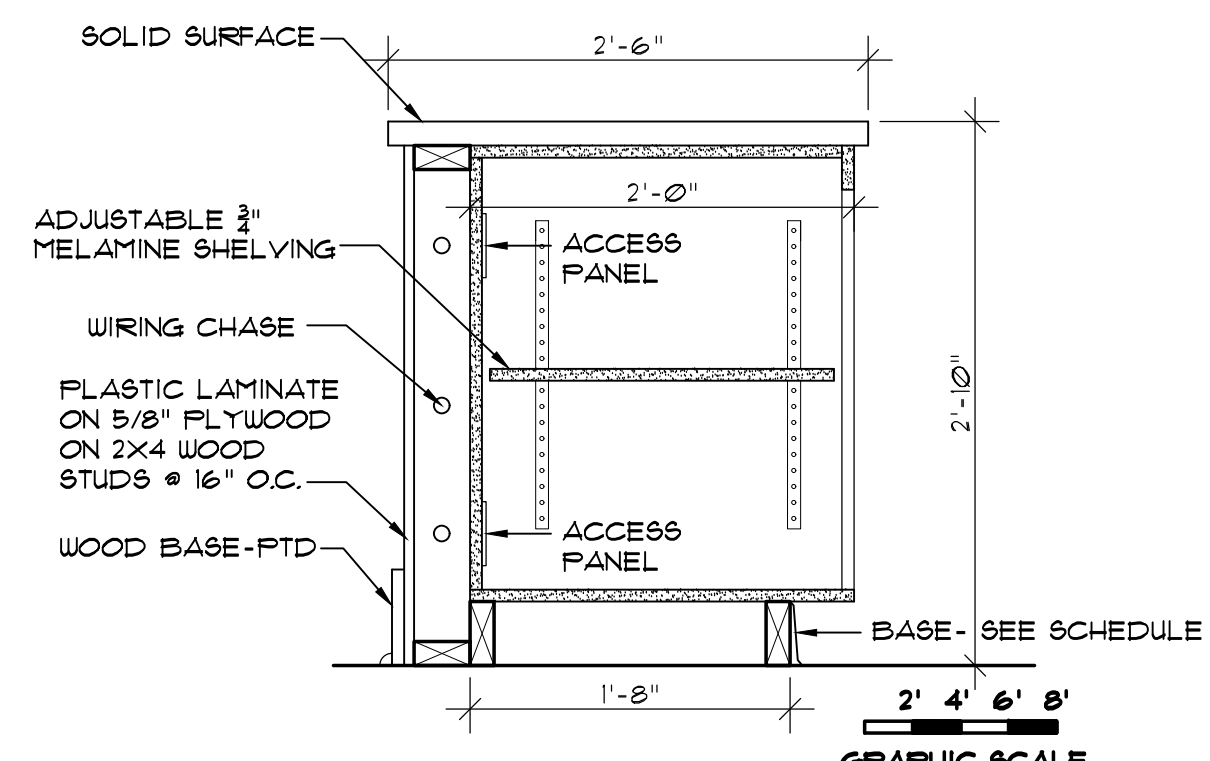
ISSUED: 24 JULY 24
DWG BY: MSG
CKD BY: LDD

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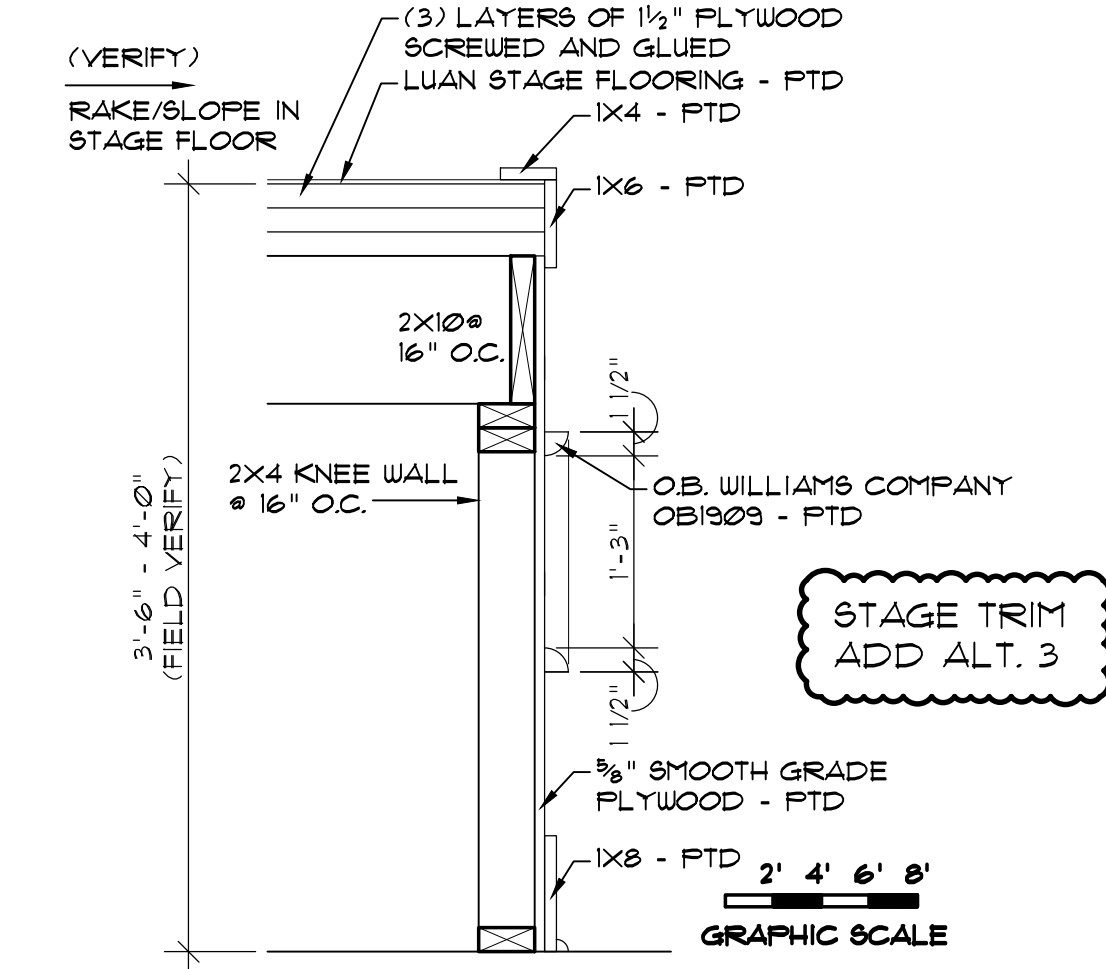
SHEET NO.
A-5
OF



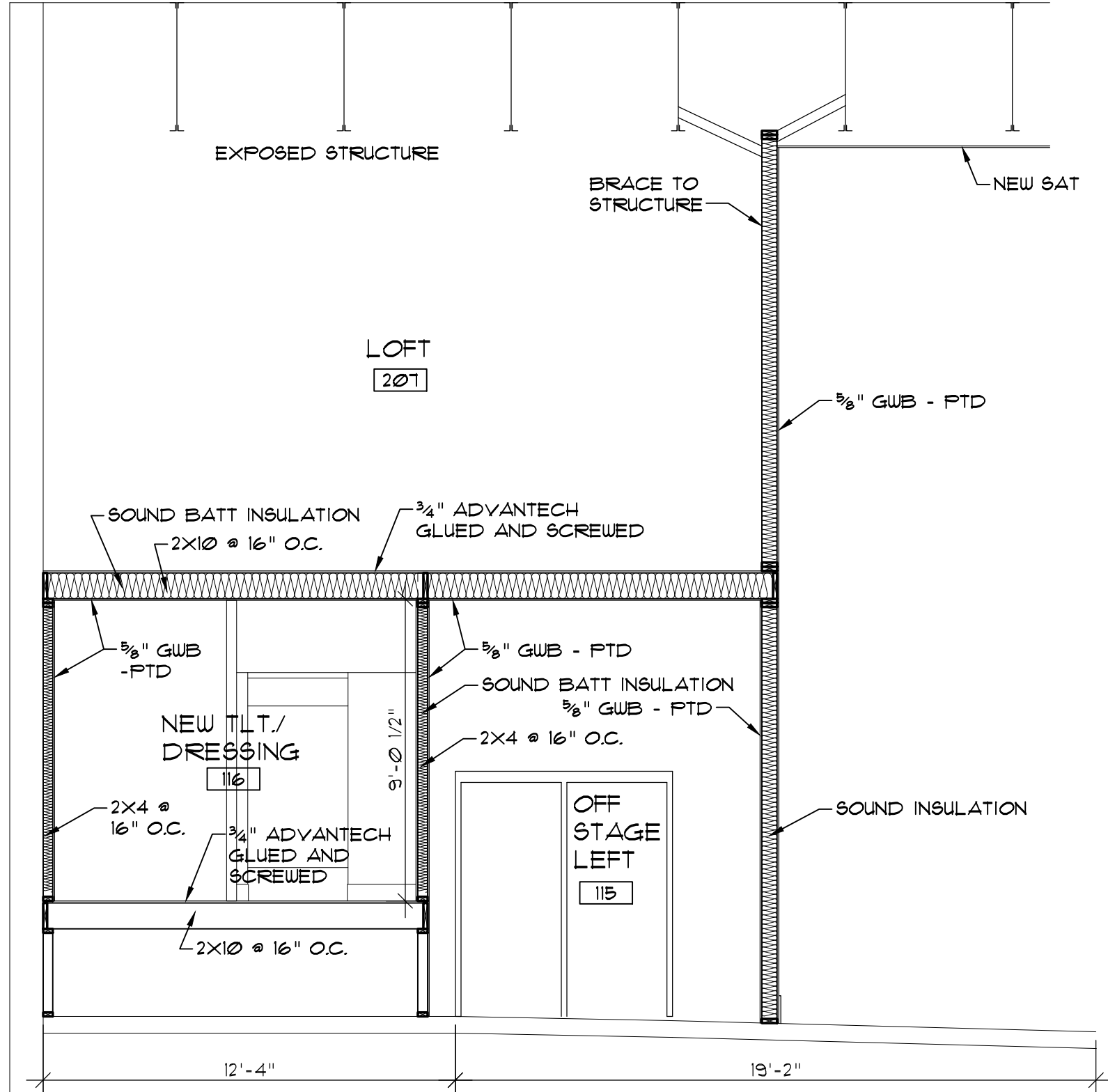
5 SECTION @ CONCESSIONS
SCALE: 3/4" = 1'-0"



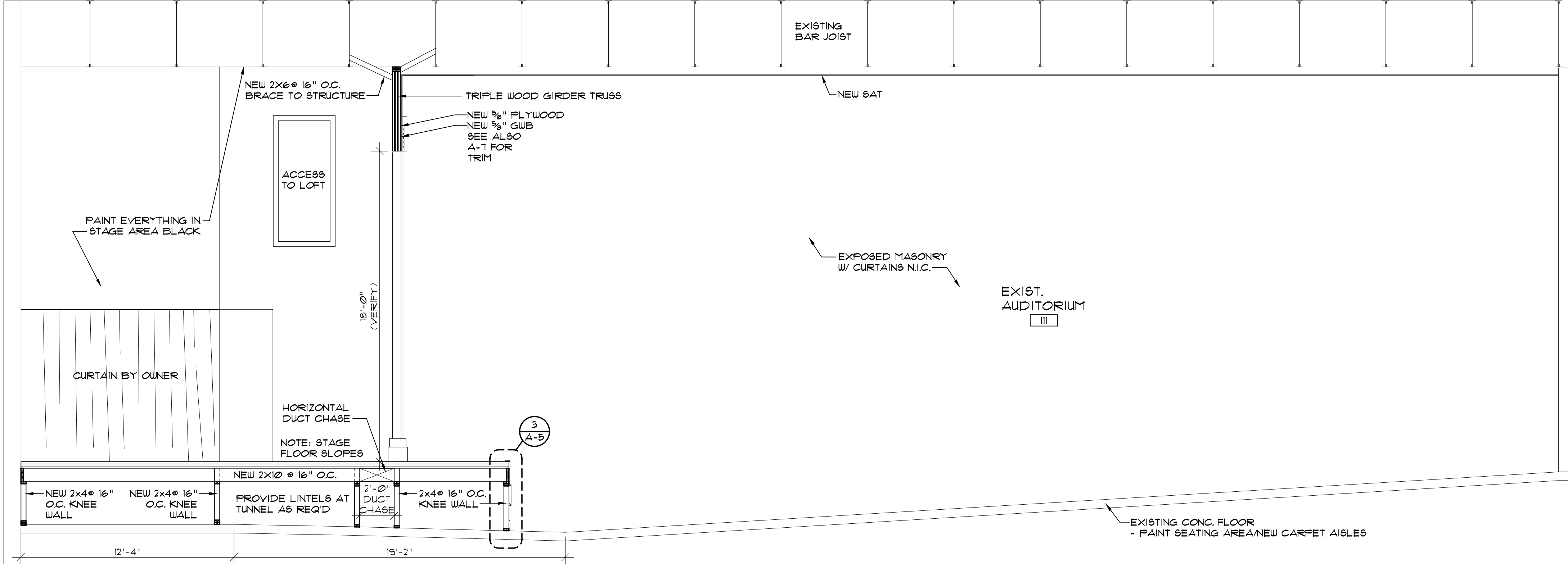
4 CONCESSION COUNTER
SCALE: 1" = 1'-0"



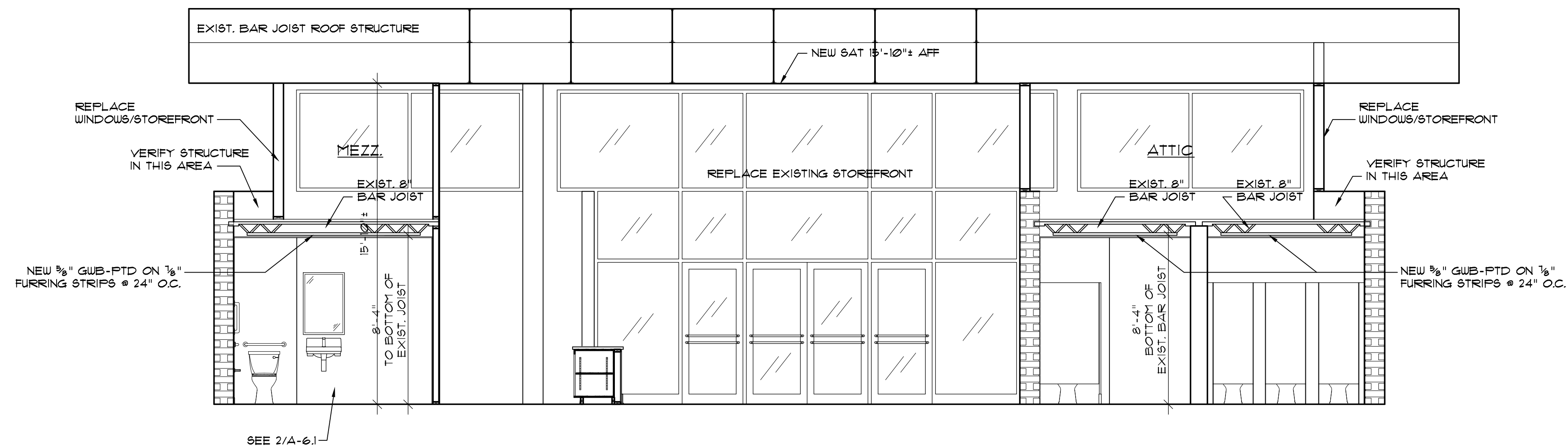
3 STAGE APRON DETAIL
SCALE: 1" = 1'-0"



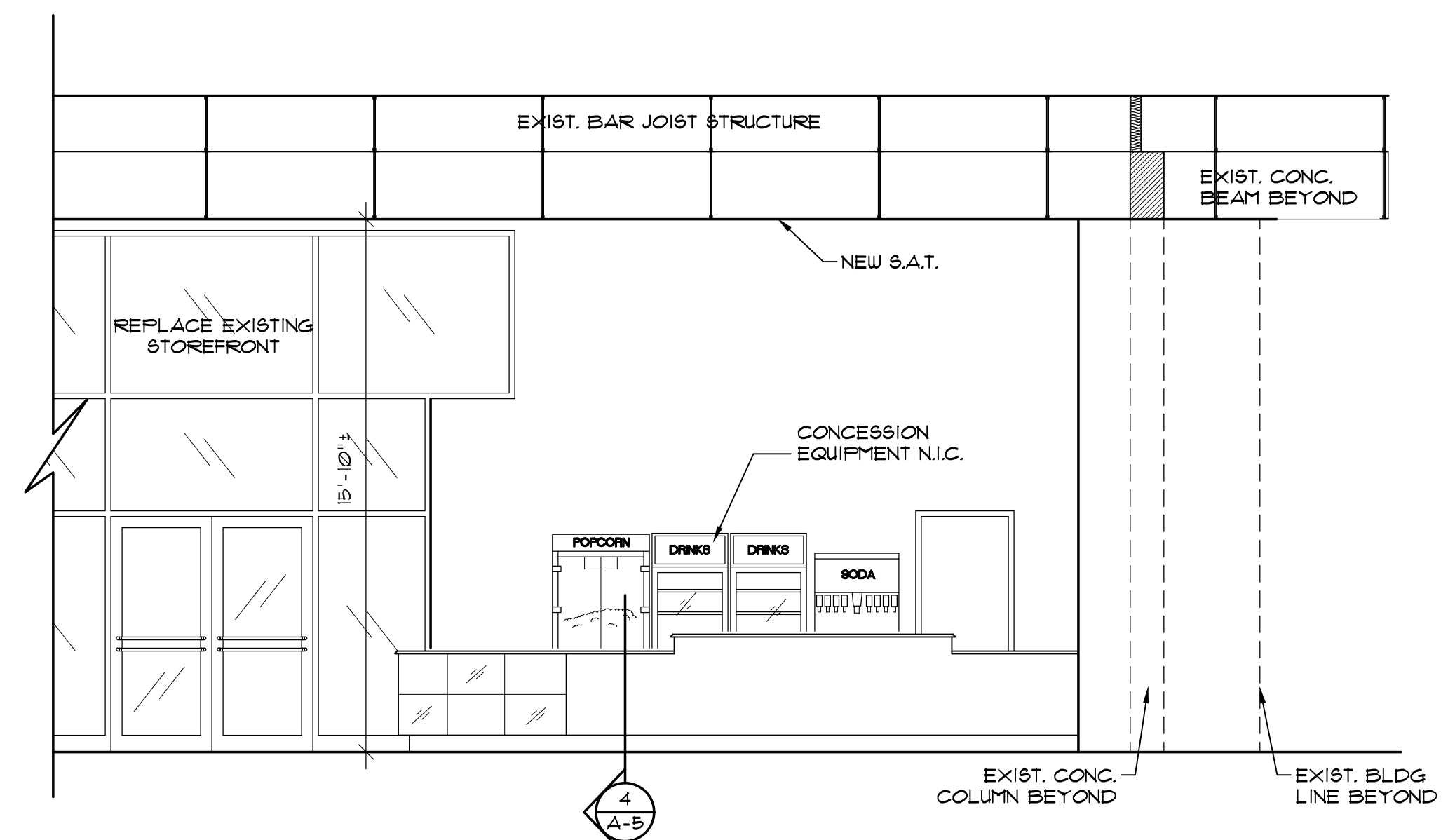
2 SECTION @ NEW TLT./DRESSING
SCALE: 1/4" = 1'-0"



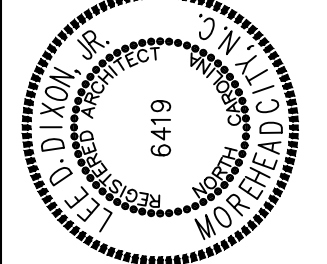
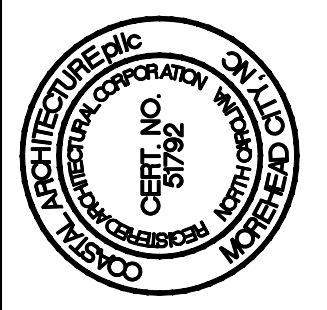
1 BUILDING SECTION
SCALE: 1/4" = 1'-0"



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



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



BUILDING SECTIONS

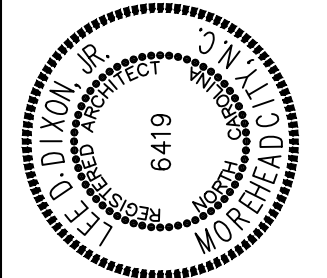
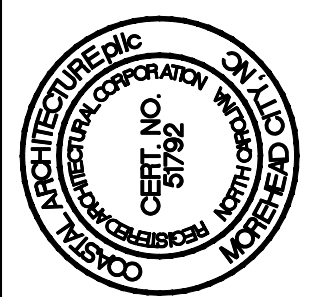
24034

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SHEET NO.
A-5.1
 OF

**REPAIRS TO
CARTERET COMMUNITY THEATRE**
 MOREHEAD CITY, NORTH CAROLINA



WALL SECTIONS

24034

ISSUED: 24 JULY 24

DWG BY: MSG

CKD BY: LDD

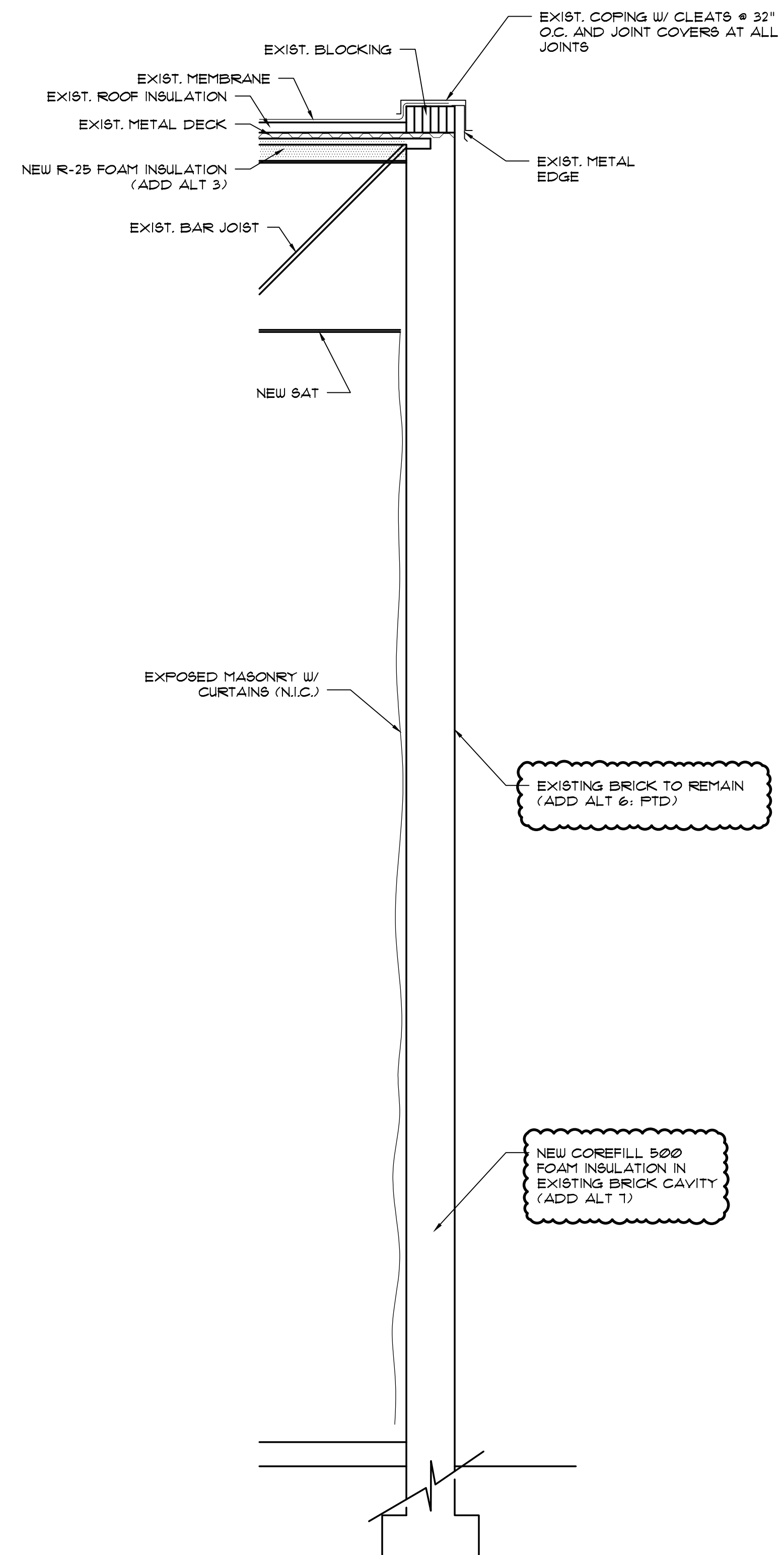
REVISIONS

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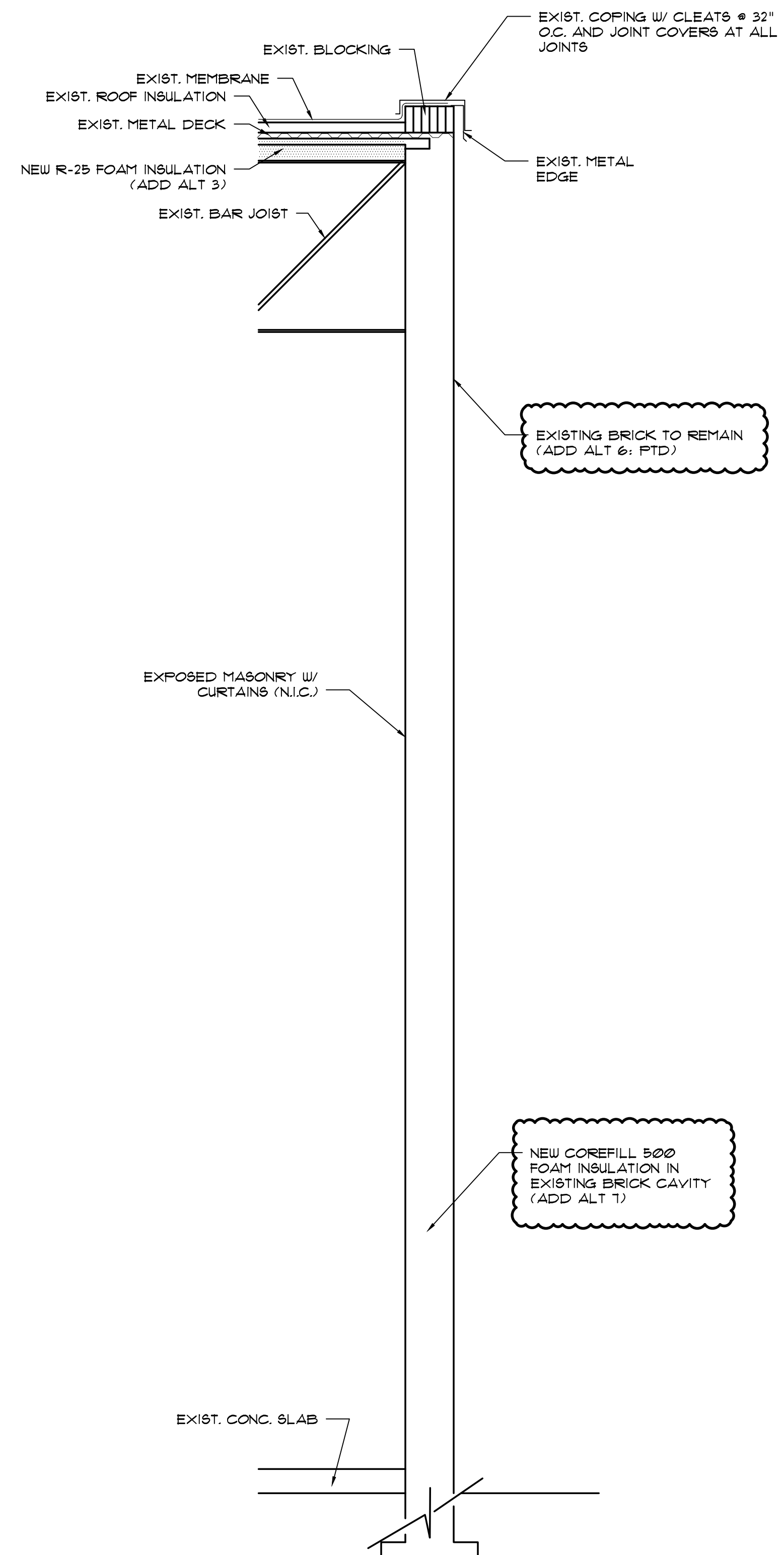
SHEET NO.

A-5.2

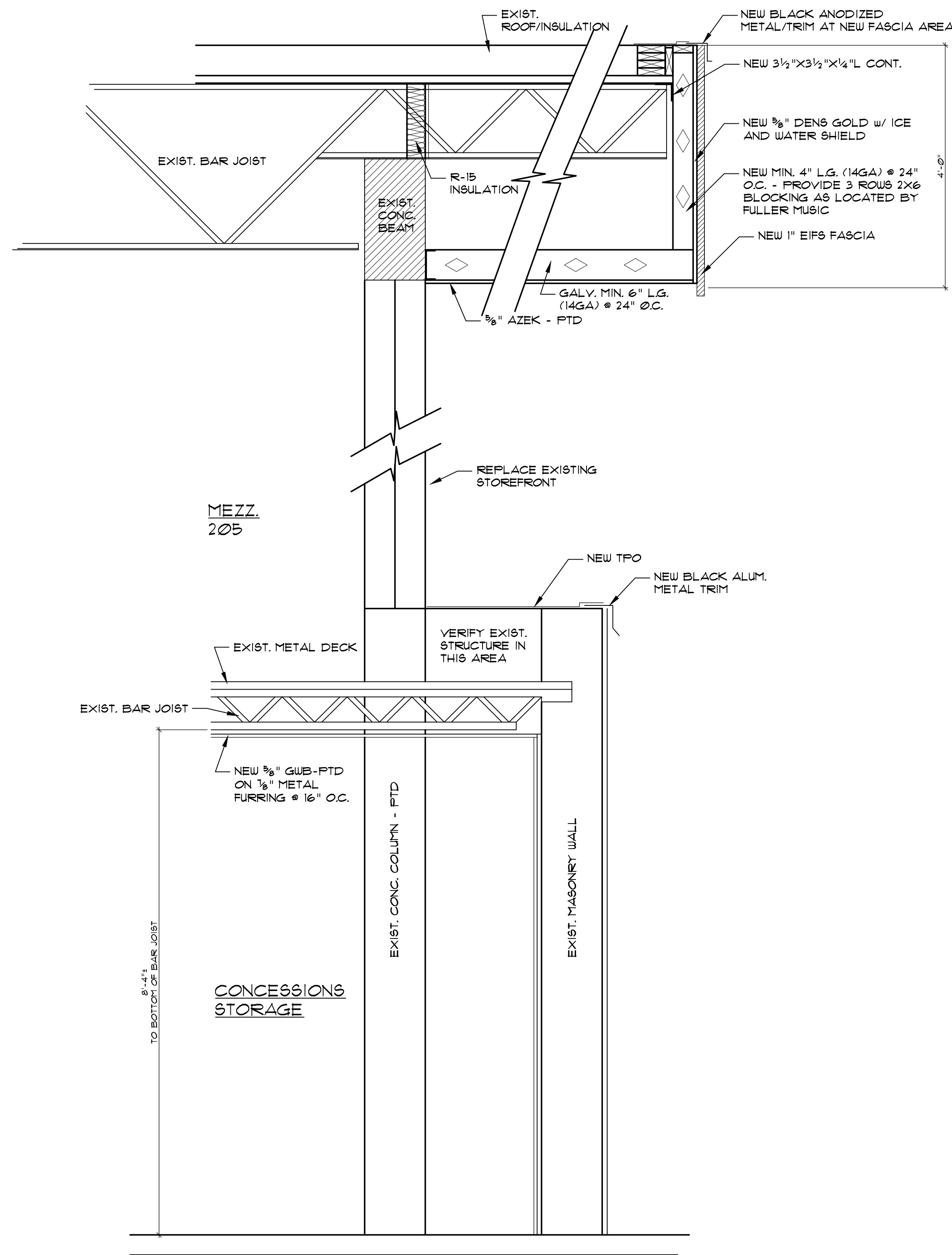
OF



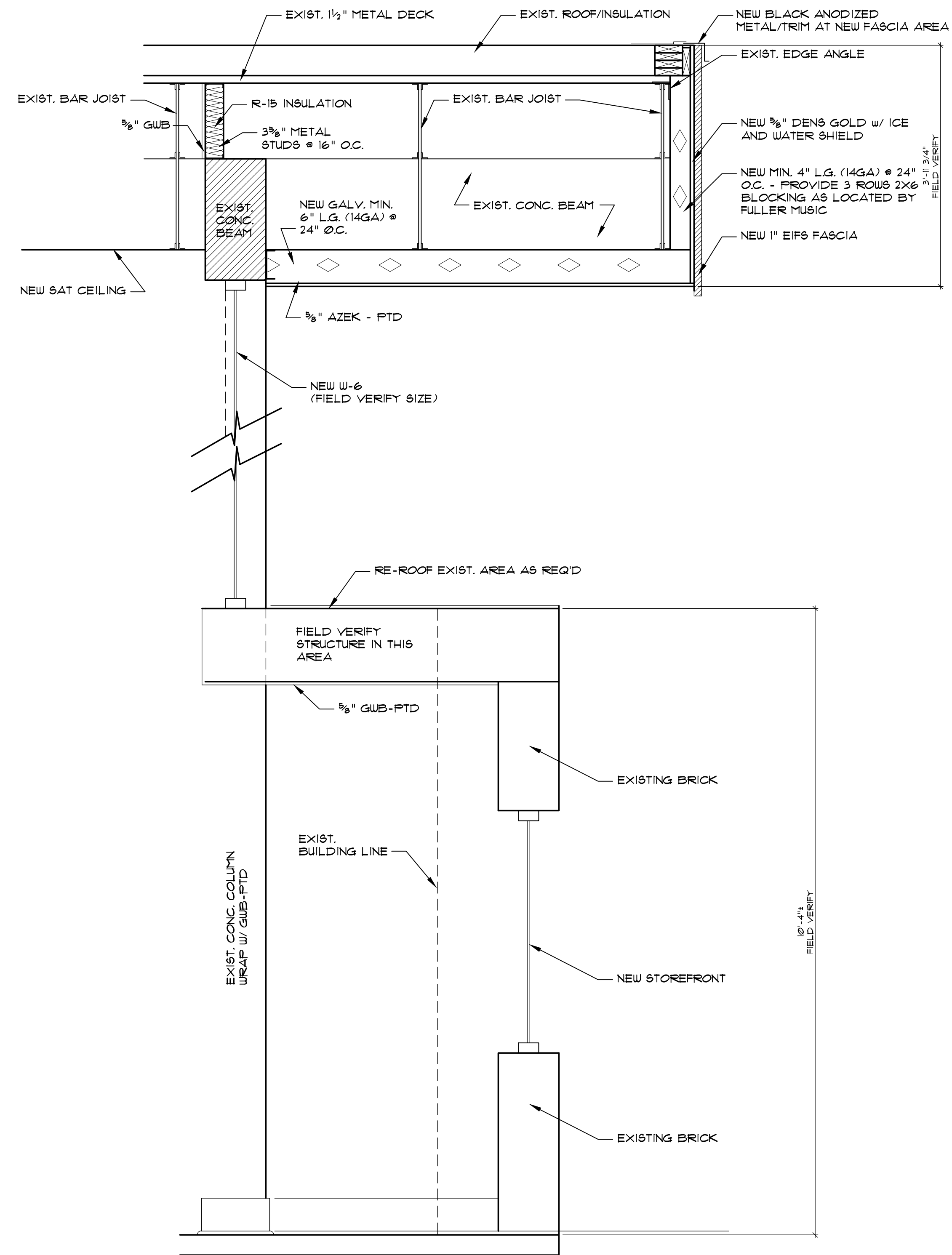
2 WALL SECTION
SCALE: 1/2" = 1'-0"



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

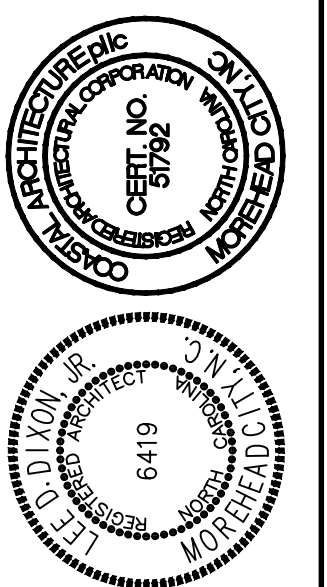


2 WALL SECTION AT CONCESSIONS STORAGE WEST WALL
 A-5.3 SCALE: 3/4" = 1'-0"



1 WALL SECTION
 A-5.3 SCALE: 3/4" = 1'-0"

NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS/ENGINEERING FOR ALL LIGHT GAUGE FRAMING



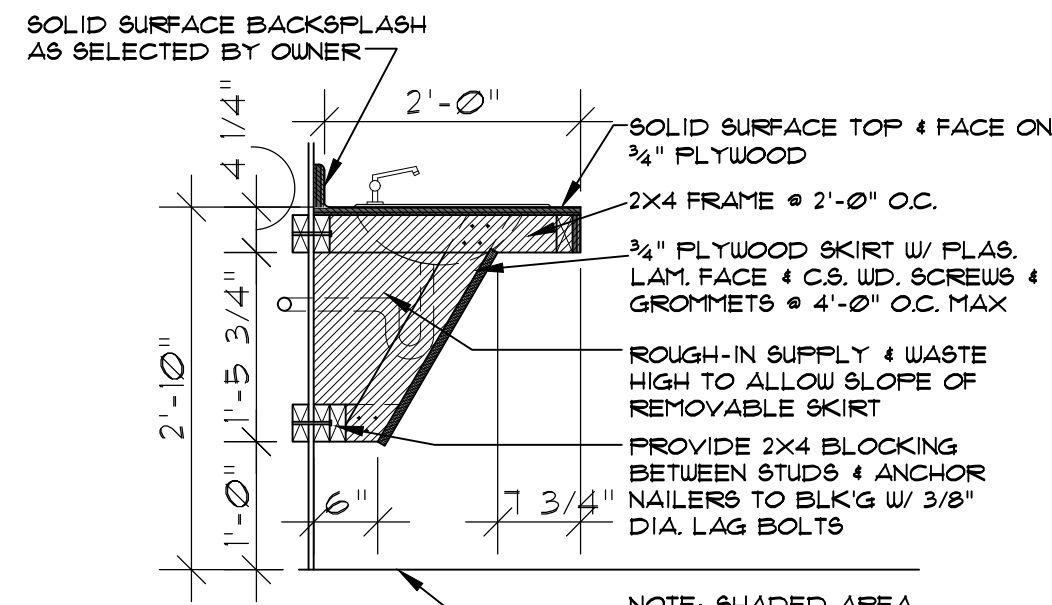
TOILET ACCESSORY SCHEDULE

Mark	Item	Mfg. Ht.	Remarks
TA-1	MIRROR 2'W X 3'H	B-165 2436	3'-4" HEIGHT TO BOTTOM, CENTER ON SINK
TA-2	SURFACE MOUNTED TOILET PAPER HOLDER	B-4288	1'-10" HEIGHT TO CENTER OF BOTTOM ROLL
TA-3	SURFACE MOUNTED PAPER TUL DISP. W/ WASTE RECEPT. BELOW	B-43699	3'-6" MAX. HEIGHT TO DISP. OUTLET OR DISPENSER LEVER
TA-4	SOAP DISPENSER	B-2111	3'-6" HEIGHT TO BOTTOM OF DISPENSER
TA-5	GRAB BAR 42" CONCEALED MOUNTING W/ SNAP FLANGE		3'-0" MAX. HEIGHT TO CENTER
TA-6	GRAB BAR 24" CONCEALED MOUNTING W/ SNAP FLANGE		3'-0" MAX. HEIGHT TO CENTER
TA-7	GRAB BAR 18" CONCEALED MOUNTING (VERTICAL) W/ SNAP FLANGE		3'-3" HEIGHT TO BOTTOM, CENTER OF BAR @ 40" FROM REAR WALL
TA-8	SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL	B-2170	2'-0" HEIGHT TO TOP OF DISPENSER
TA-9	MIRROR 1'-0"X3'-0"		
TA-10	MIRROR 3'-0"X3'-0"		
TA-11	MIRROR 4'-0"X3'-0"		

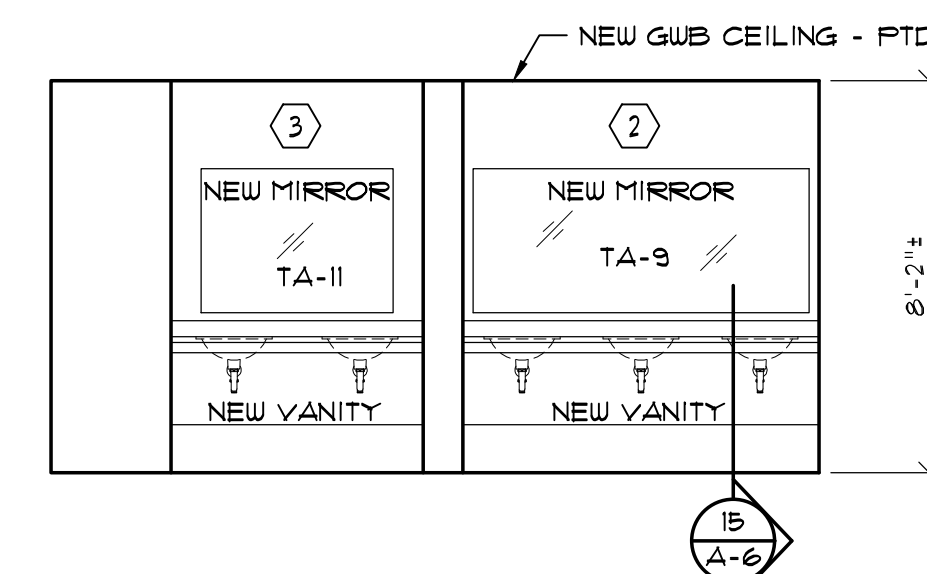
NOTES:
 • SUBMIT SHOP DRAWINGS FOR ALL TOILET PARTITION CONFIGURATIONS
 • ALL HANDRAILS SHALL BE BLOCKED TO SUPPORT A 250 LB. LOAD MINIMUM

KEY NOTES:

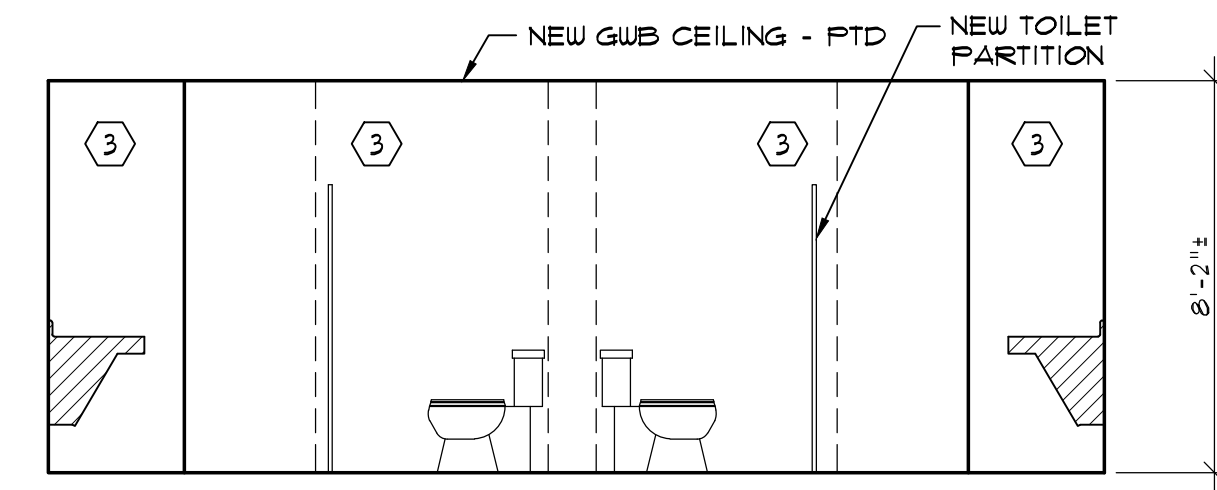
- ① NEW TILE TO MATCH EXISTING ON EXISTING WALL.
- ② NEW TILE ON BACKER BOARD ON EXISTING STUDS.
- ③ EXISTING WALL TILE TO REMAIN.
- ④ EXISTING FLOOR TILE TO REMAIN.
- ⑤ EXISTING EXPOSED BRICK TO REMAIN.
- ⑥ NEW GUB-PTD. ON EXISTING STUDS.
- ⑦ PREP FOR NEW FLOORING - SEE ROOM FINISH SCHEDULE.
- ⑧ NEW 3/8" GUB-PTD. ON EXISTING WALL.
- ⑨ EXISTING MASONRY TO BE PAINTED.
- ⑩ FILL EXISTING HOLE W/ BRICK.
- ⑪ EXISTING MASONRY TO REMAIN (CURTAINS BY OWNER).
- ⑫ EXISTING BRICK - REPAINT BLACK.



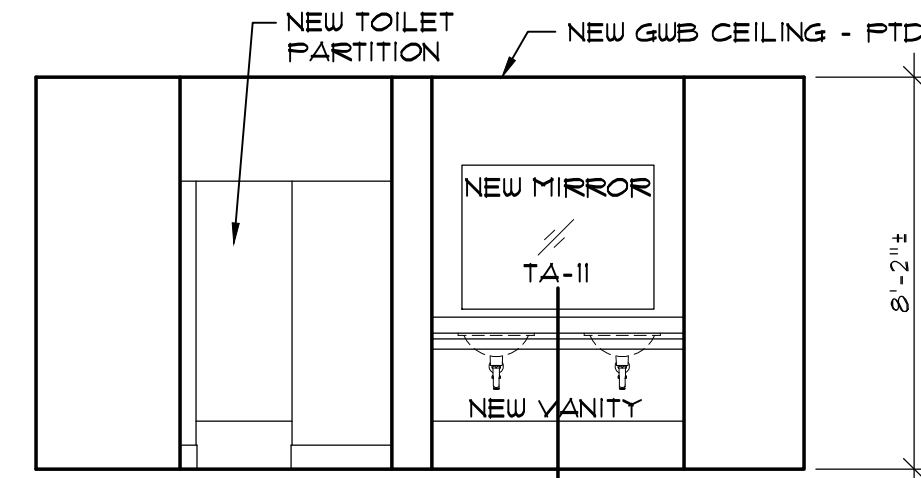
SECTION @ VANITY
 SCALE: 3/4" = 1'-0"



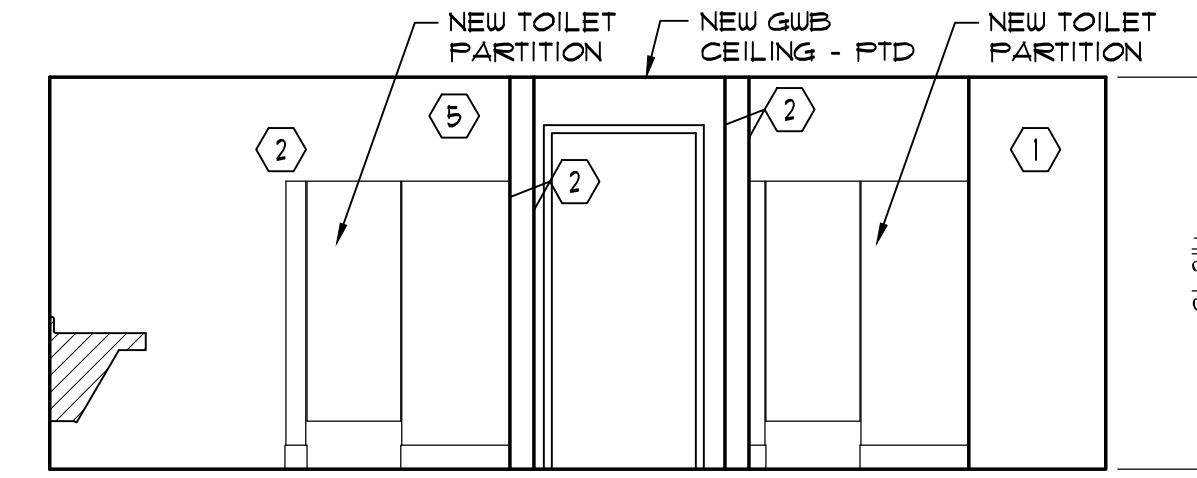
EXIST. WOMEN TOILET INTERIOR ELEVATION 14
 SCALE: 1/4" = 1'-0"



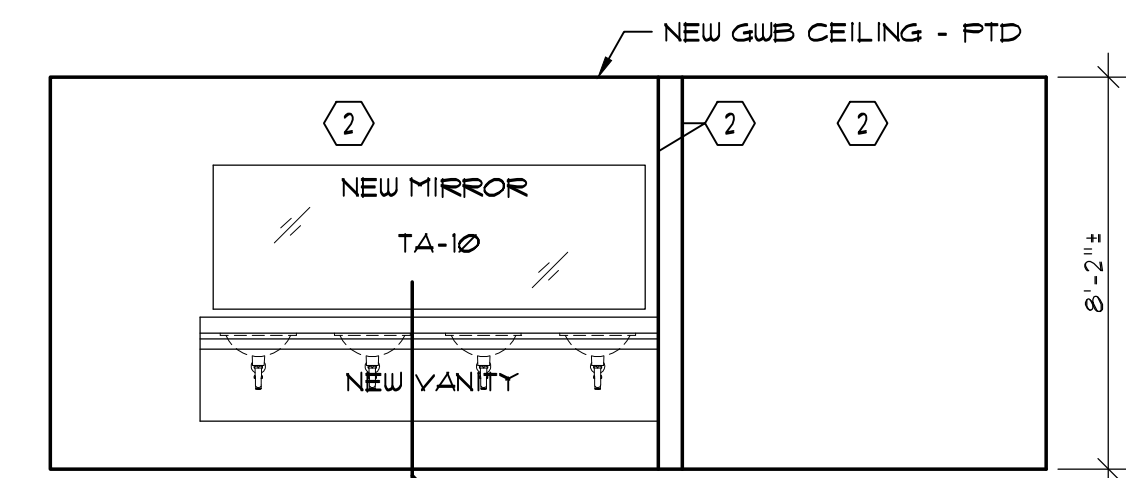
EXIST. WOMEN TOILET INTERIOR ELEVATION 13
 SCALE: 1/4" = 1'-0"



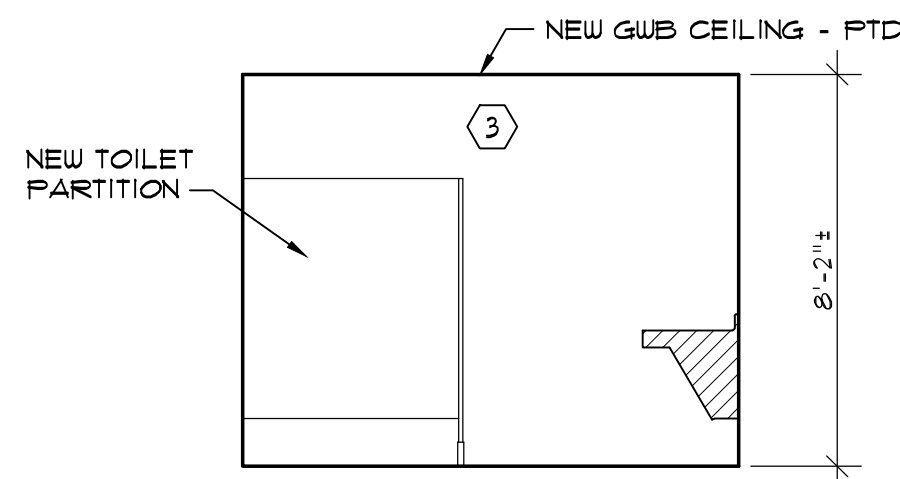
EXIST. WOMEN TOILET INTERIOR ELEVATION 12
 SCALE: 1/4" = 1'-0"



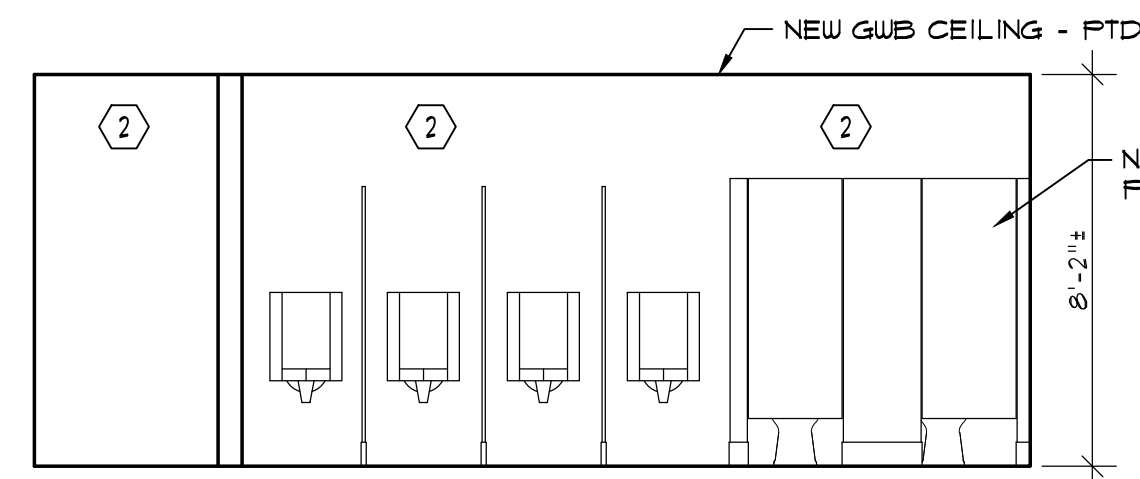
EXIST. WOMEN TOILET INTERIOR ELEVATION 11
 SCALE: 1/4" = 1'-0"



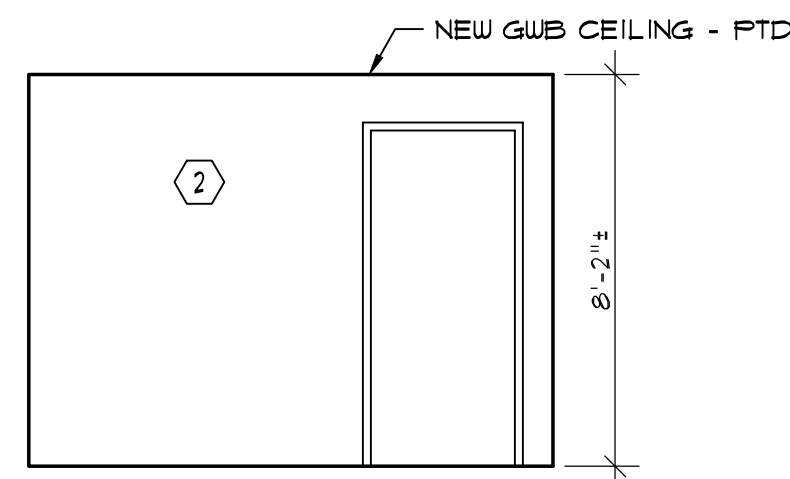
EXIST. MENS TOILET INTERIOR ELEVATION 10
 SCALE: 1/4" = 1'-0"



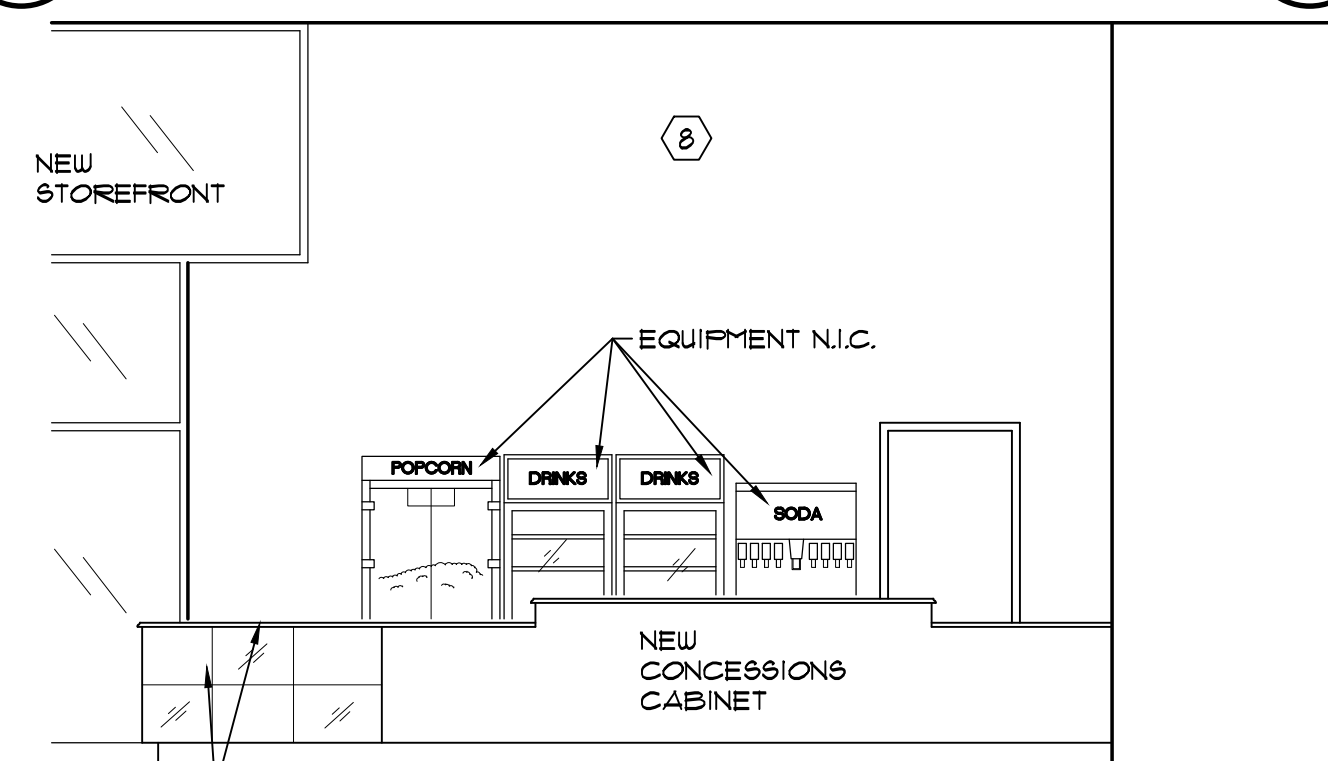
EXIST. MENS TOILET INTERIOR ELEVATION 9
 SCALE: 1/4" = 1'-0"



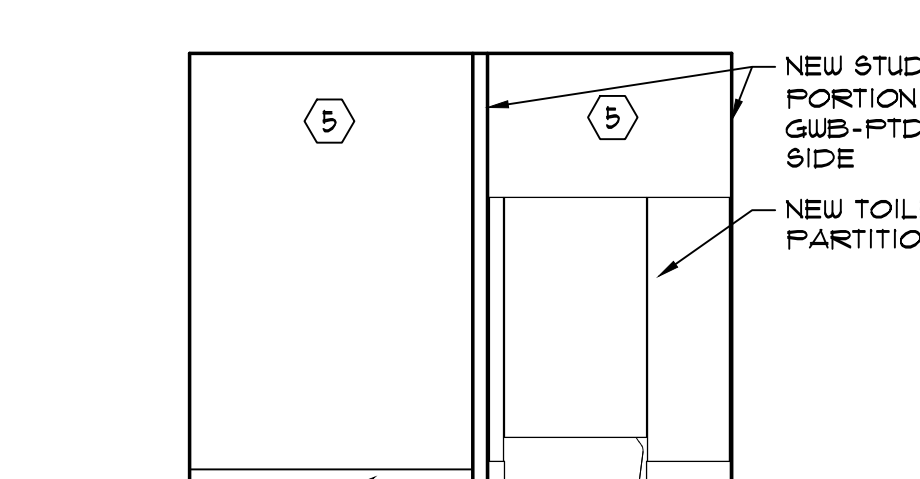
EXIST. MENS TOILET INTERIOR ELEVATION 8
 SCALE: 1/4" = 1'-0"



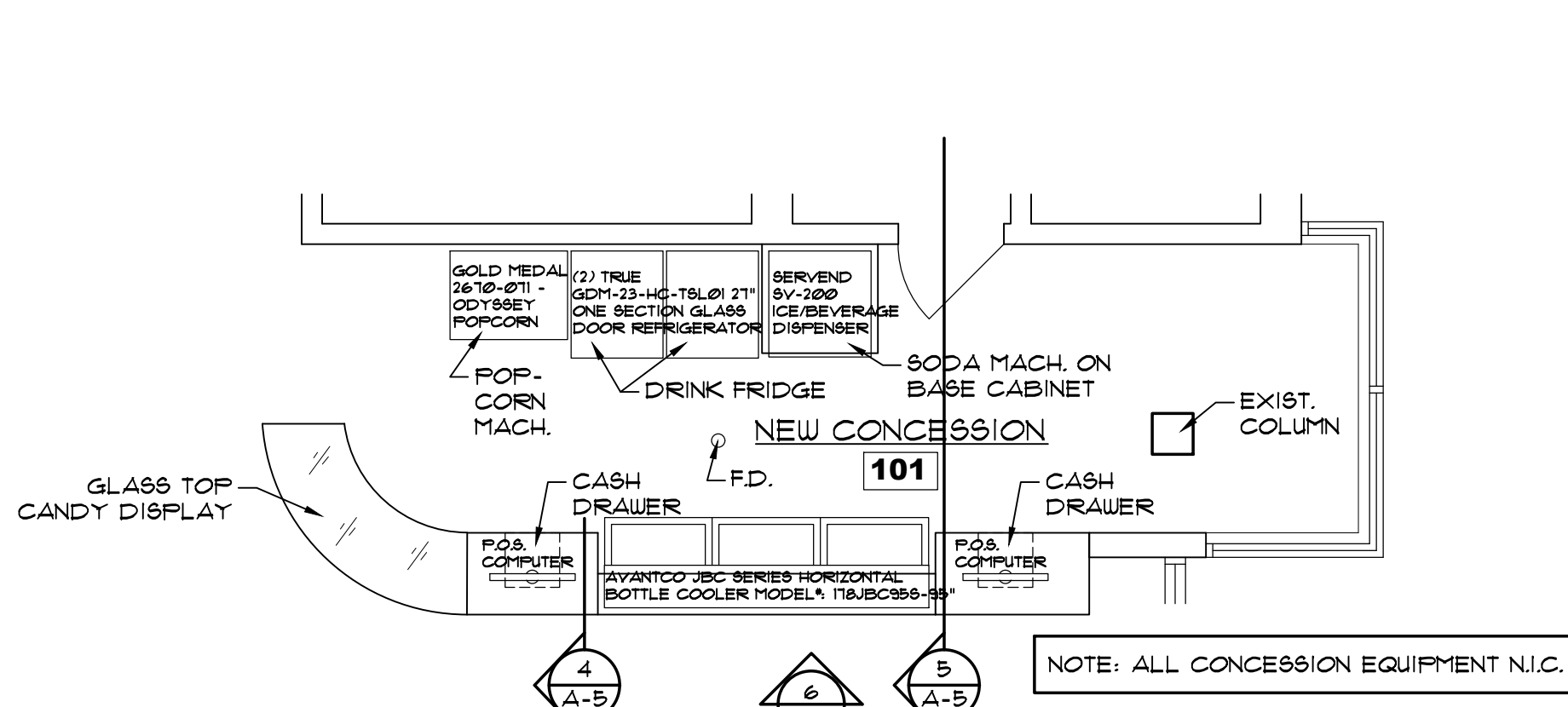
EXIST. MENS TOILET INTERIOR ELEVATION 7
 SCALE: 1/4" = 1'-0"



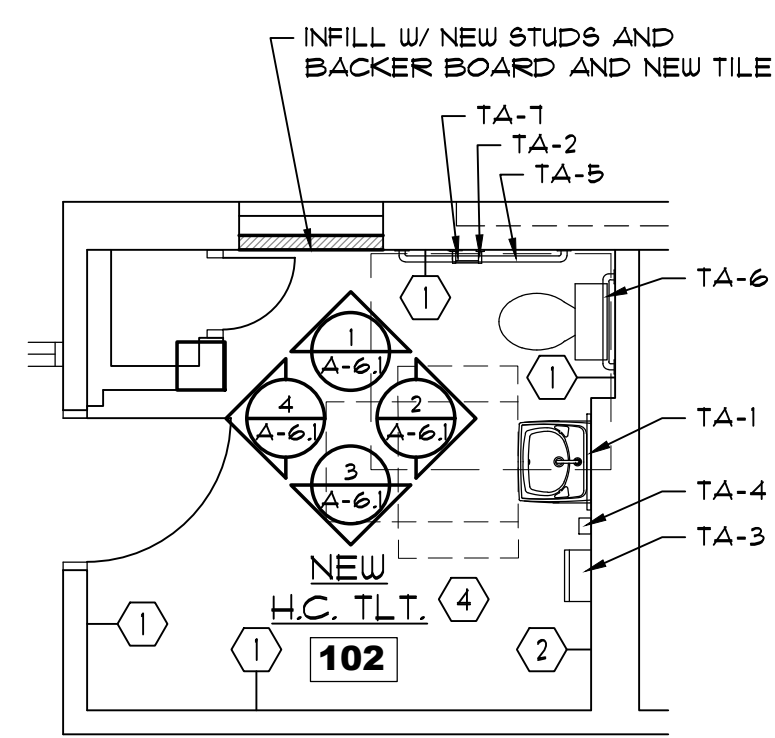
CONCESSION STAND ELEVATION 6
 SCALE: 1/4" = 1'-0"



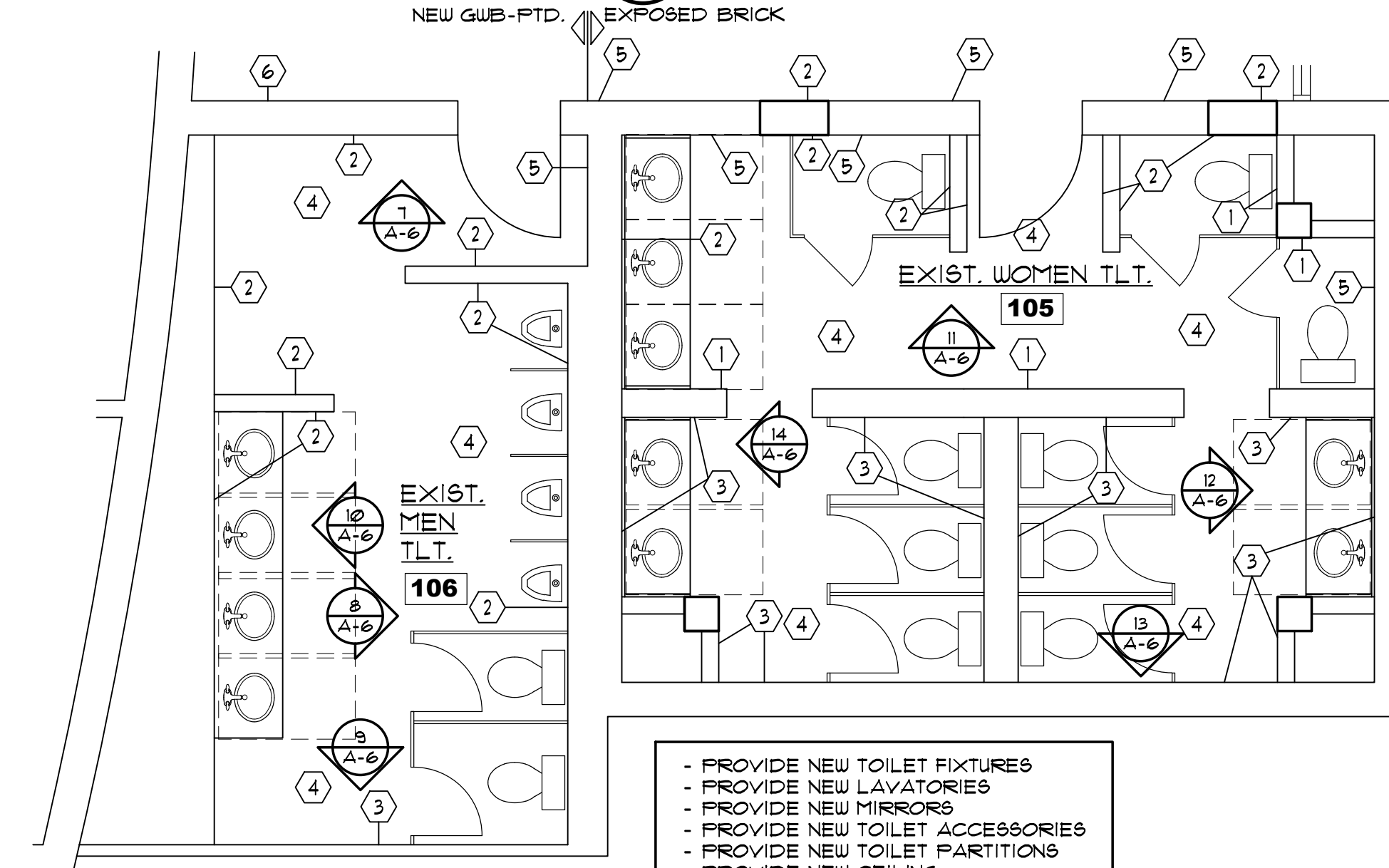
NEW TLT./DRESSING INTERIOR ELEVATION 5
 SCALE: 1/4" = 1'-0"



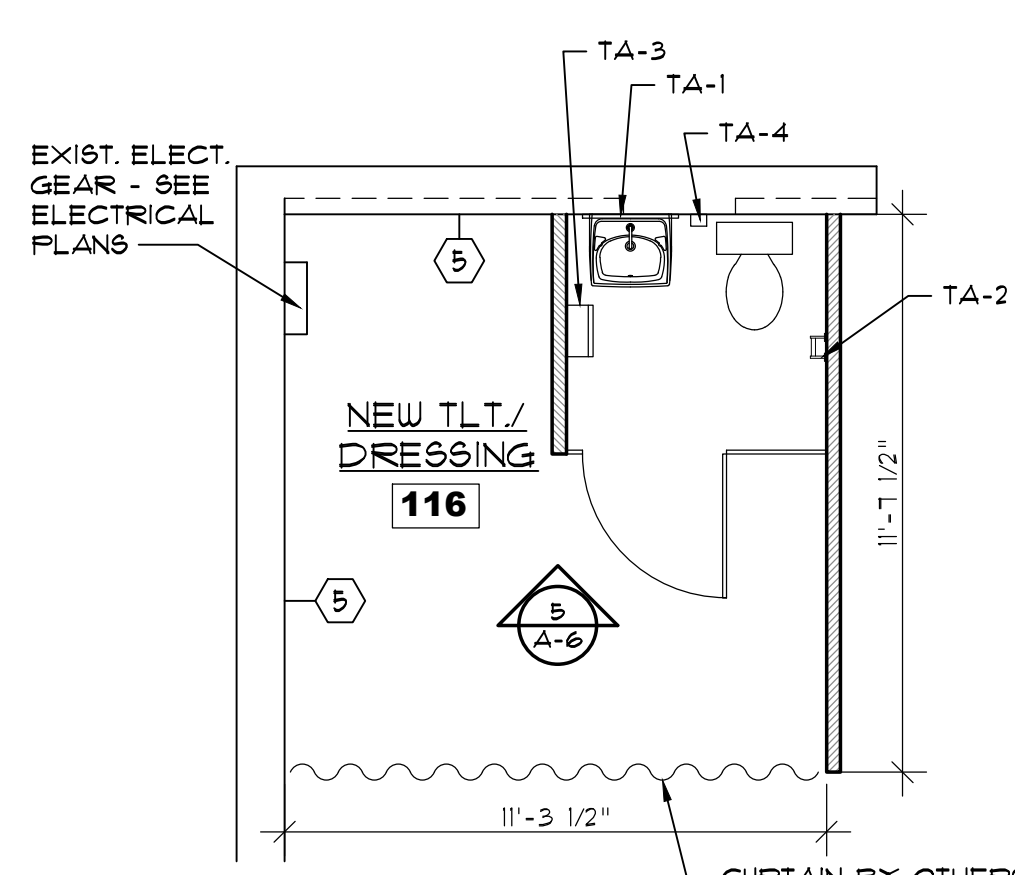
CONCESSION STAND 101
 SCALE: 1/4" = 1'-0"



NEW HANDICAP TLT. 102
 SCALE: 1/4" = 1'-0"



TOILET 105 AND 106
 SCALE: 1/4" = 1'-0"



NEW TLT./DRESSING 116
 SCALE: 1/4" = 1'-0"

Coastal Architecture
 • Architectural Design
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REPAIRS TO CARTERET COMMUNITY THEATRE
 MOREHEAD CITY, NORTH CAROLINA

ENLARGED PLANS
24034
 ISSUED: 24 JULY 24
 DWG BY: MSG
 CKD BY: LDD
 REVISIONS
 PERMIT 08/19/24
 SHEET NO.
A-6
 OF

TOILET ACCESSORY SCHEDULE

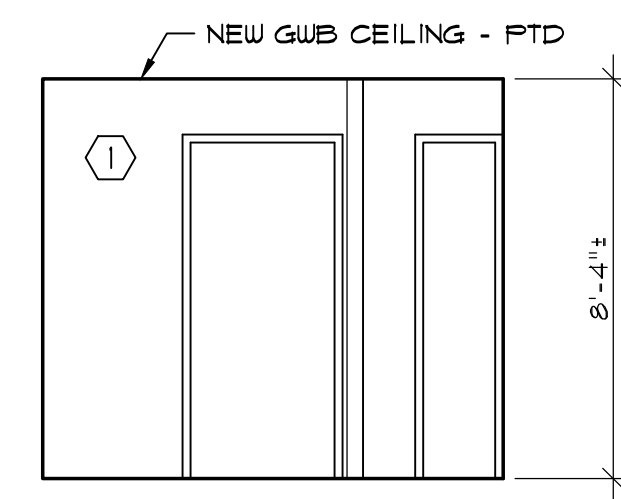
Mark	Item	Mtg. Ht.	Remarks	
TA-1	MIRROR 2'W X 3'H	B-165 2436	3'-4"	HEIGHT TO BOTTOM, CENTER ON SINK
TA-2	SURFACE MOUNTED TOILET PAPER HOLDER	B-4288	1'-10"	HEIGHT TO CENTER OF BOTTOM ROLL
TA-3	SURFACE MOUNTED PAPER TUL DISP. W/ WASTE RECEPT. BELOW	B-43699	3'-6" MAX.	HEIGHT TO DISP. OUTLET OR DISPENSER LEVER
TA-4	SOAP DISPENSER	B-2111	3'-6"	HEIGHT TO BOTTOM OF DISPENSER
TA-5	GRAB BAR 42" CONCEALED MOUNTING W/ SNAP FLANGE		3'-0" MAX.	HEIGHT TO CENTER
TA-6	GRAB BAR 24" CONCEALED MOUNTING W/ SNAP FLANGE		3'-0" MAX.	HEIGHT TO CENTER
TA-7	GRAB BAR 18" CONCEALED MOUNTING W/ SNAP FLANGE (VERTICAL)		3'-3"	HEIGHT TO BOTTOM, CENTER OF BAR @ 40" FROM REAR WALL
TA-8	SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL	B-2170	2'-0"	HEIGHT TO TOP OF DISPENSER
TA-9	MIRROR 1'-0"X3'-0"			
TA-10	MIRROR 3'-0"X3'-0"			
TA-11	MIRROR 4'-0"X3'-0"			

NOTES:

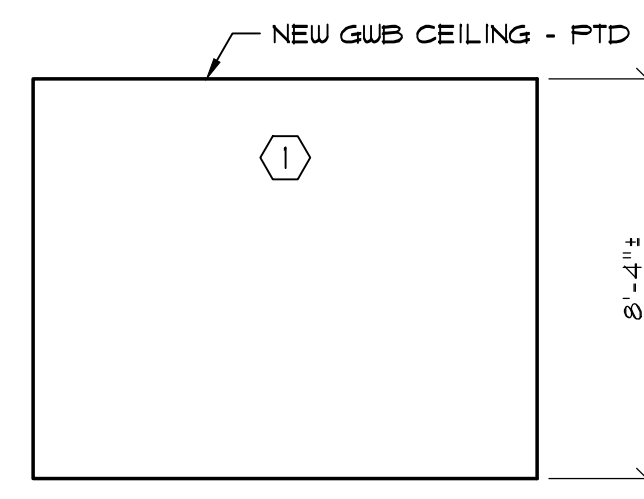
- SUBMIT SHOP DRAWINGS FOR ALL TOILET PARTITION CONFIGURATIONS
- ALL HANDRAILS SHALL BE BLOCKED TO SUPPORT A 250 LB. LOAD MINIMUM

KEY NOTES:

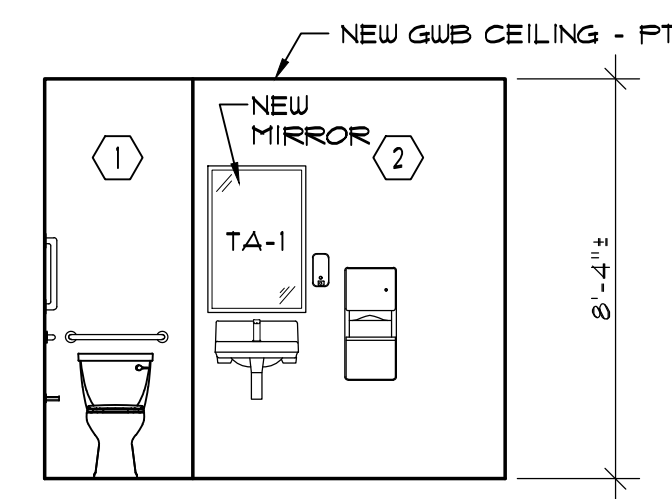
- ① NEW TILE TO MATCH EXISTING ON EXISTING WALL.
- ② NEW TILE ON BACKER BOARD ON EXISTING STUDS.
- ③ EXISTING WALL TILE TO REMAIN.
- ④ EXISTING FLOOR TILE TO REMAIN.
- ⑤ EXISTING EXPOSED BRICK TO REMAIN.
- ⑥ NEW GUB-PTD. ON EXISTING STUDS.
- ⑦ PREP FOR NEW FLOORING - SEE ROOM FINISH SCHEDULE.
- ⑧ NEW 3/8" GUB-PTD. ON EXISTING WALL.
- ⑨ EXISTING MASONRY TO BE PAINTED.
- ⑩ FILL EXISTING HOLE W/ BRICK
- ⑪ EXISTING MASONRY TO REMAIN (CURTAINS BY OWNER).
- ⑫ EXISTING BRICK - REPAINT BLACK.



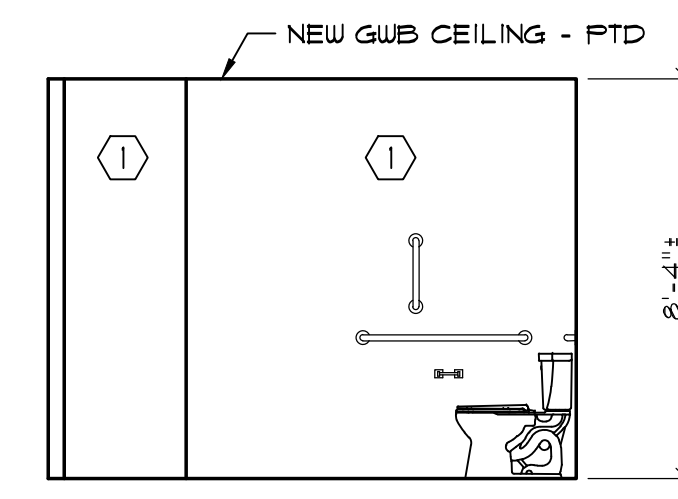
④
A-6
**NEW H.C. TOILET
INTERIOR ELEVATION**
SCALE: 1/4" = 1'-0"



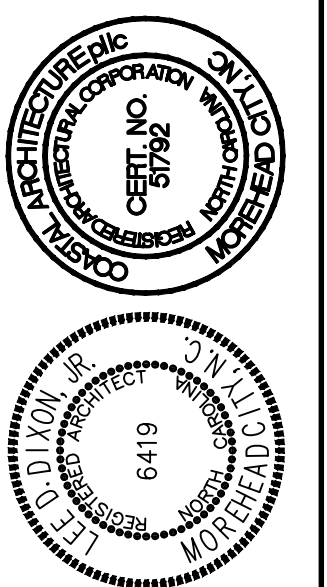
③
A-6
**NEW H.C. TOILET
INTERIOR ELEVATION**
SCALE: 1/4" = 1'-0"



②
A-6
**NEW H.C. TOILET
INTERIOR ELEVATION**
SCALE: 1/4" = 1'-0"



①
A-6
**NEW H.C. TOILET
INTERIOR ELEVATION**
SCALE: 1/4" = 1'-0"



INTERIOR ELEVATIONS

24034

ISSUED: 24 JULY 24

DWG BY: MSG

CKD BY: LDD

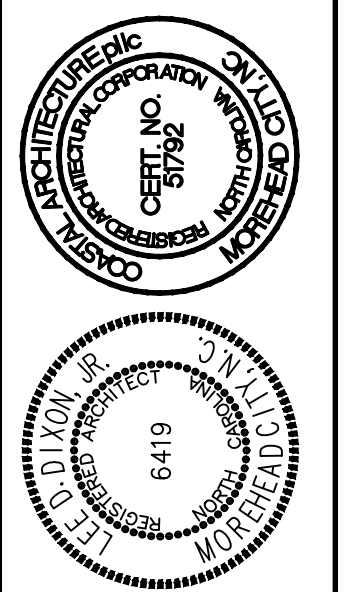
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SHEET NO.

A-6.1

OF



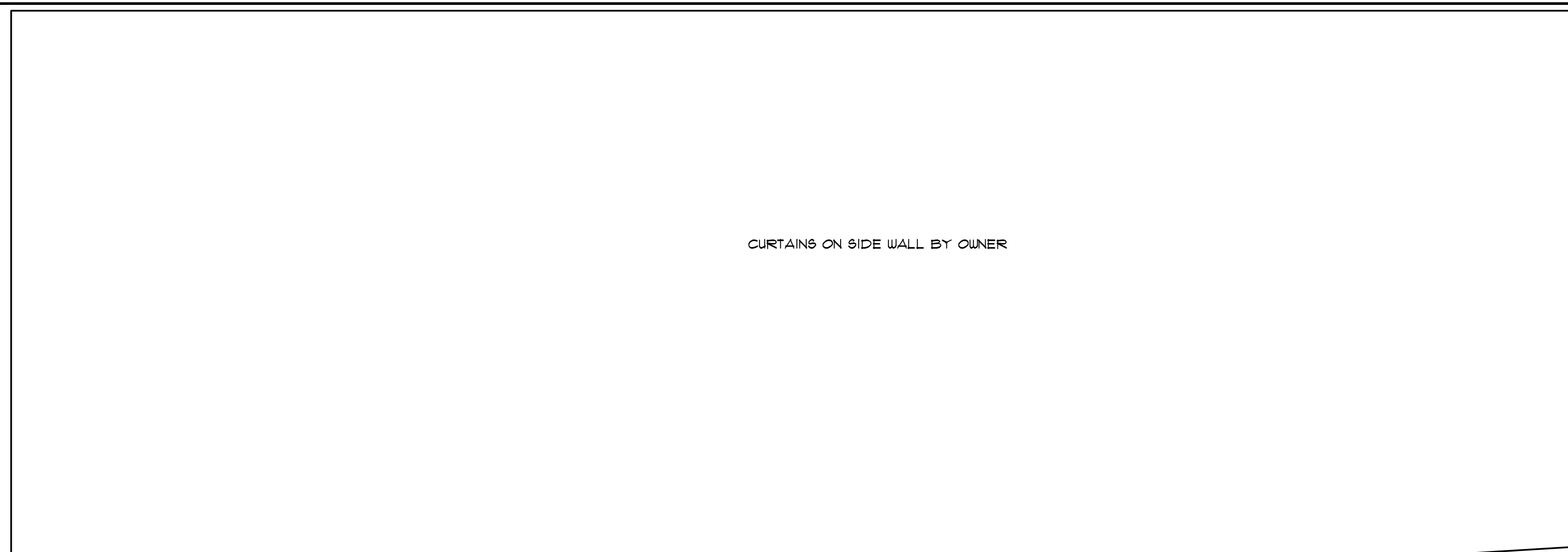
ENLARGED PLANS
INTERIOR ELEVATIONS
DETAILS

24034

ISSUED: 24 JULY 24
DWG BY: LSA/MES
CKD BY: LDD

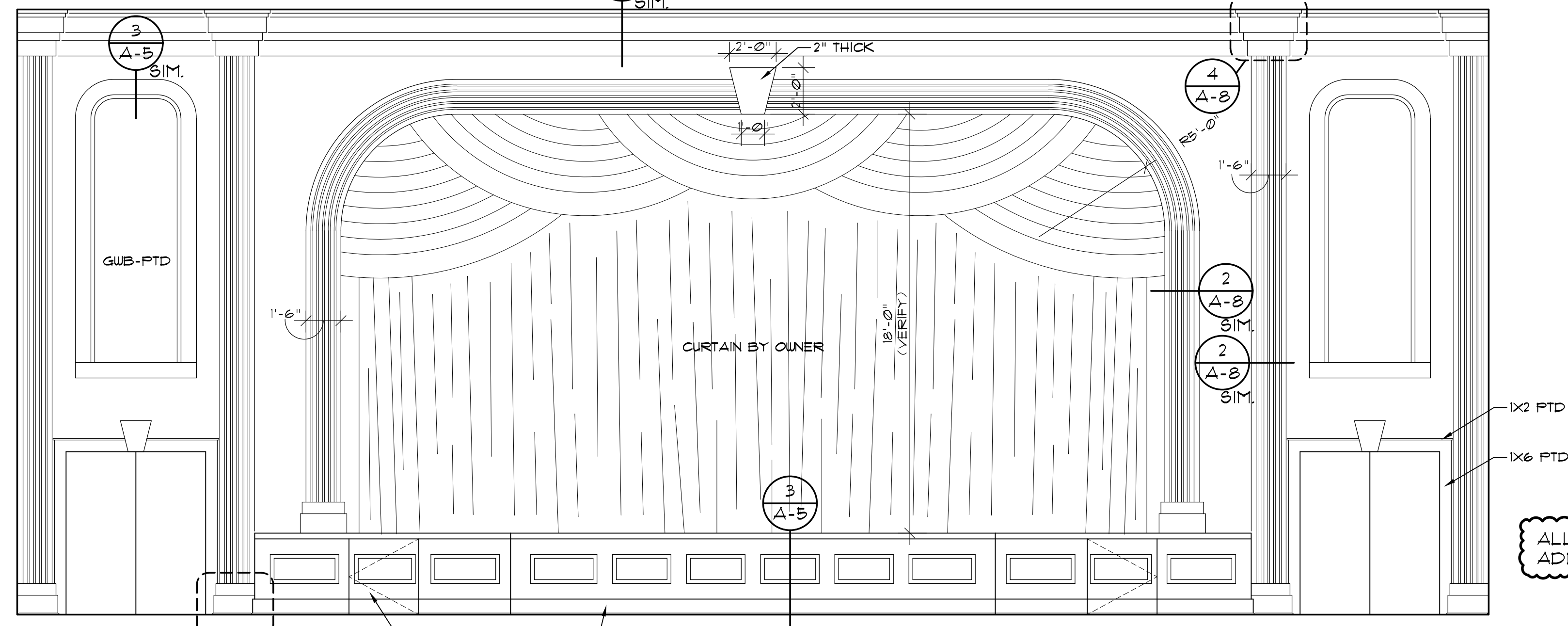
REVISIONS
PERMIT 08/19/24

SHEET NO.
A-7
OF



4 WEST WALL INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"
EAST WALL SIM

2' 4' 6' 8'
GRAPHIC SCALE

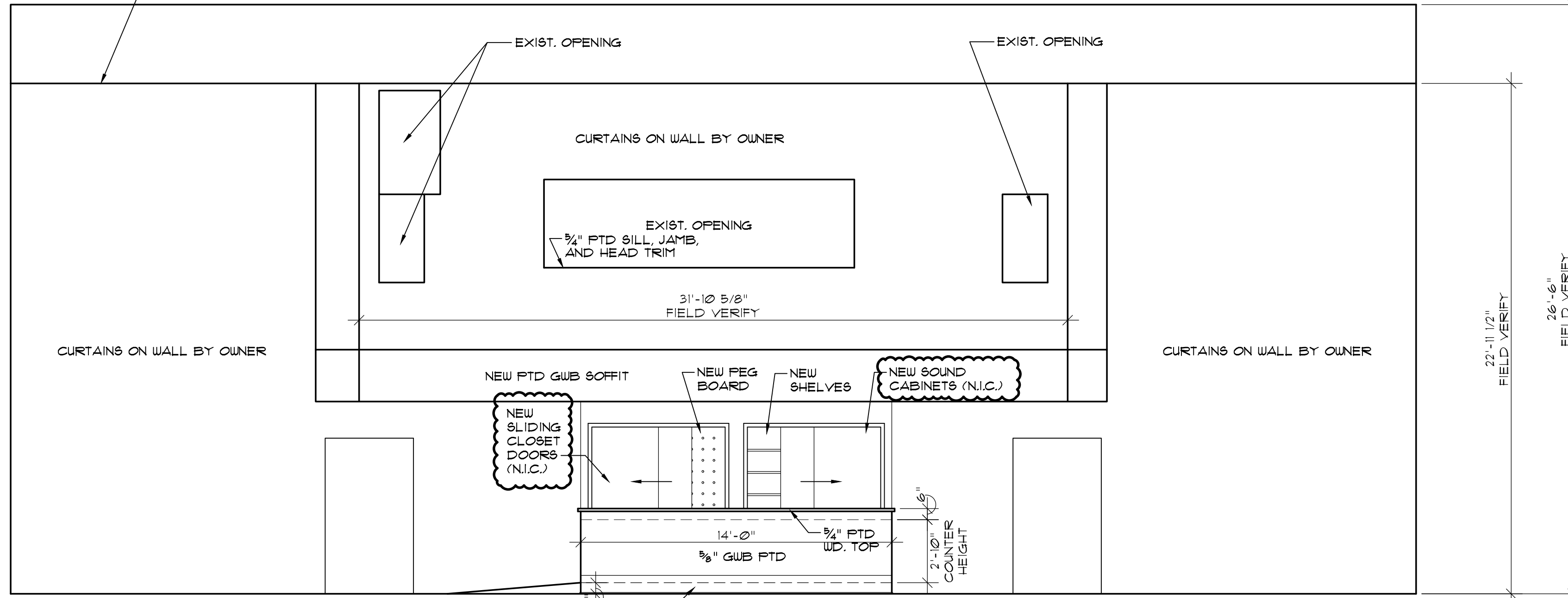


3 STAGE ELEVATION
SCALE: 1/4" = 1'-0"
EAST WALL SIM

2' 4' 6' 8'
GRAPHIC SCALE

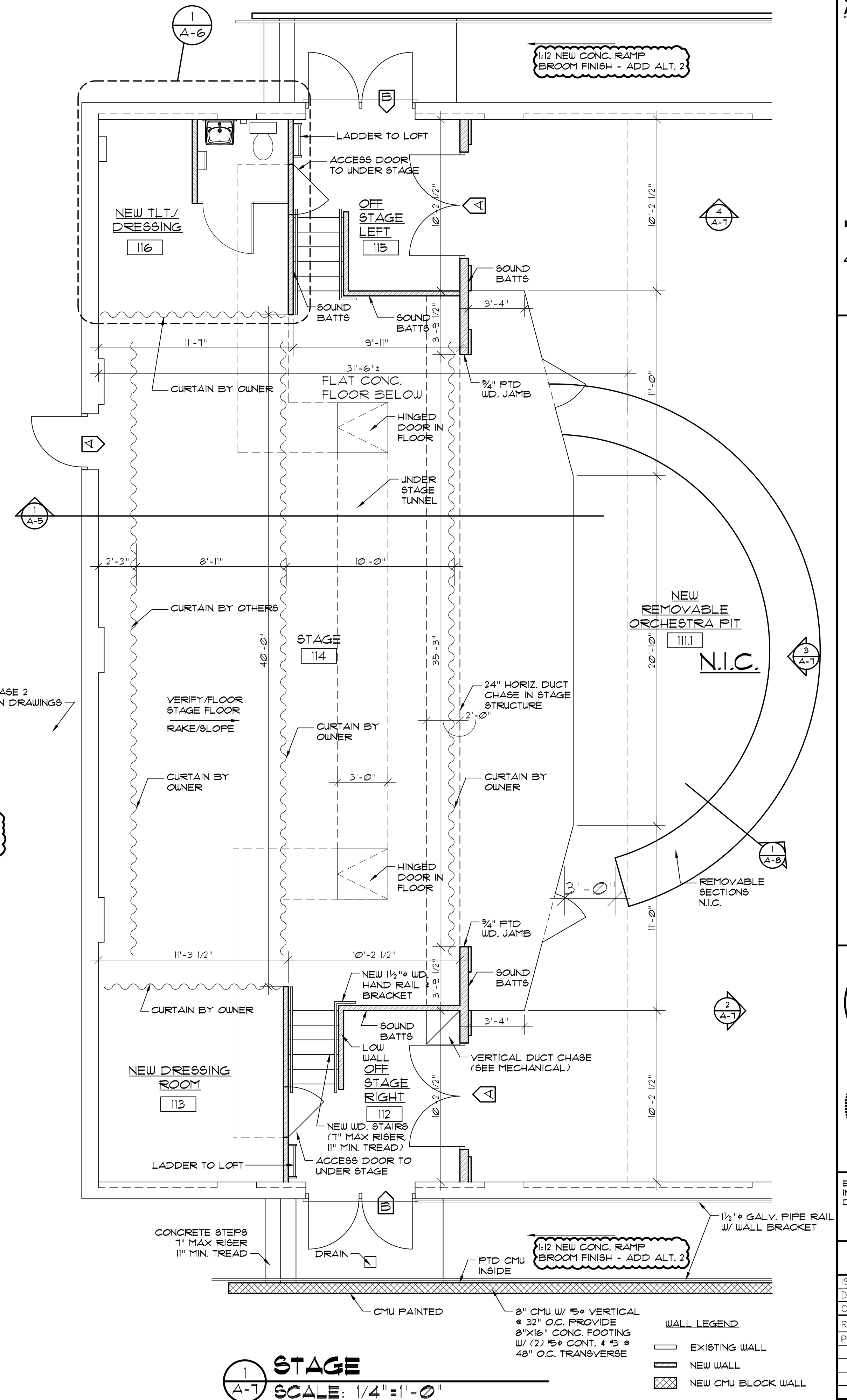
ALL STAGE TRIM - ADD ALT. 3

SEE ALSO PHASE 2 CONSTRUCTION DRAWINGS



2 REAR WALL ELEVATION
SCALE: 1/4" = 1'-0"
EAST WALL SIM

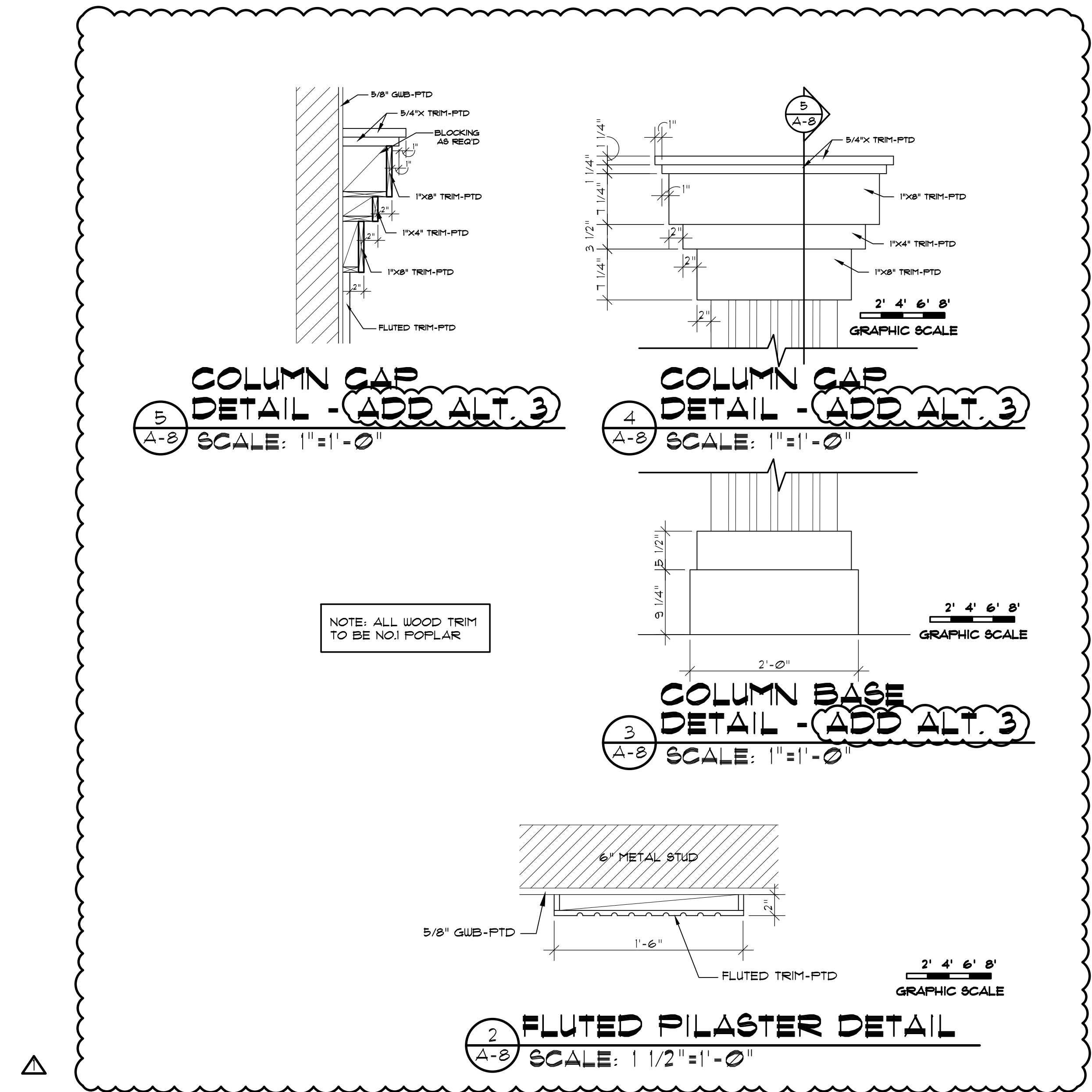
2' 4' 6' 8'
GRAPHIC SCALE



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

WALL LEGEND
 [Symbol] EXISTING WALL
 [Symbol] NEW WALL
 [Symbol] NEW CMU BLOCK WALL

2' 4' 6' 8'
GRAPHIC SCALE

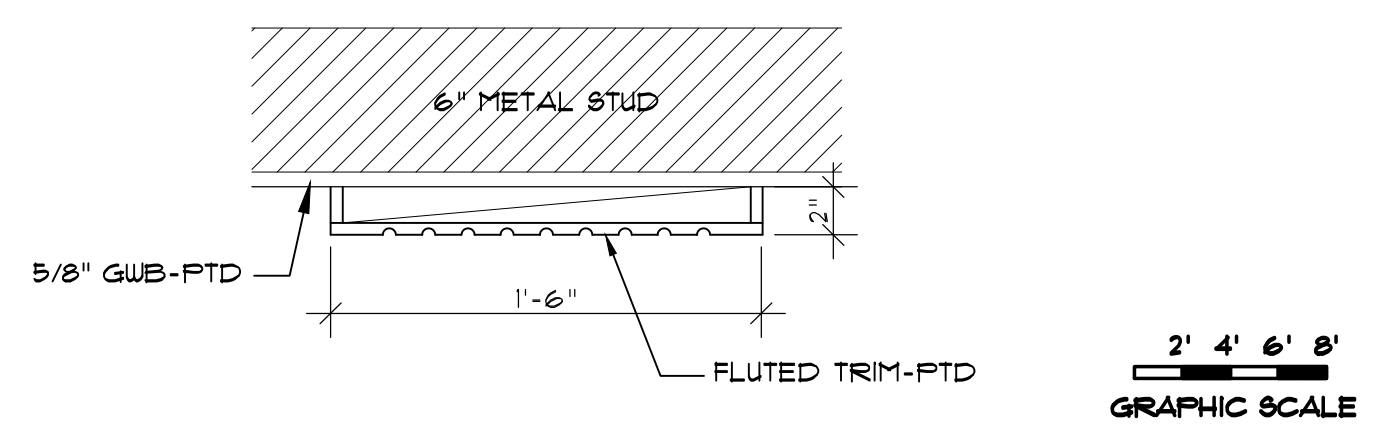


5
A-8
**COLUMN CAP
DETAIL - (ADD ALT. 3)**
SCALE: 1" = 1'-0"

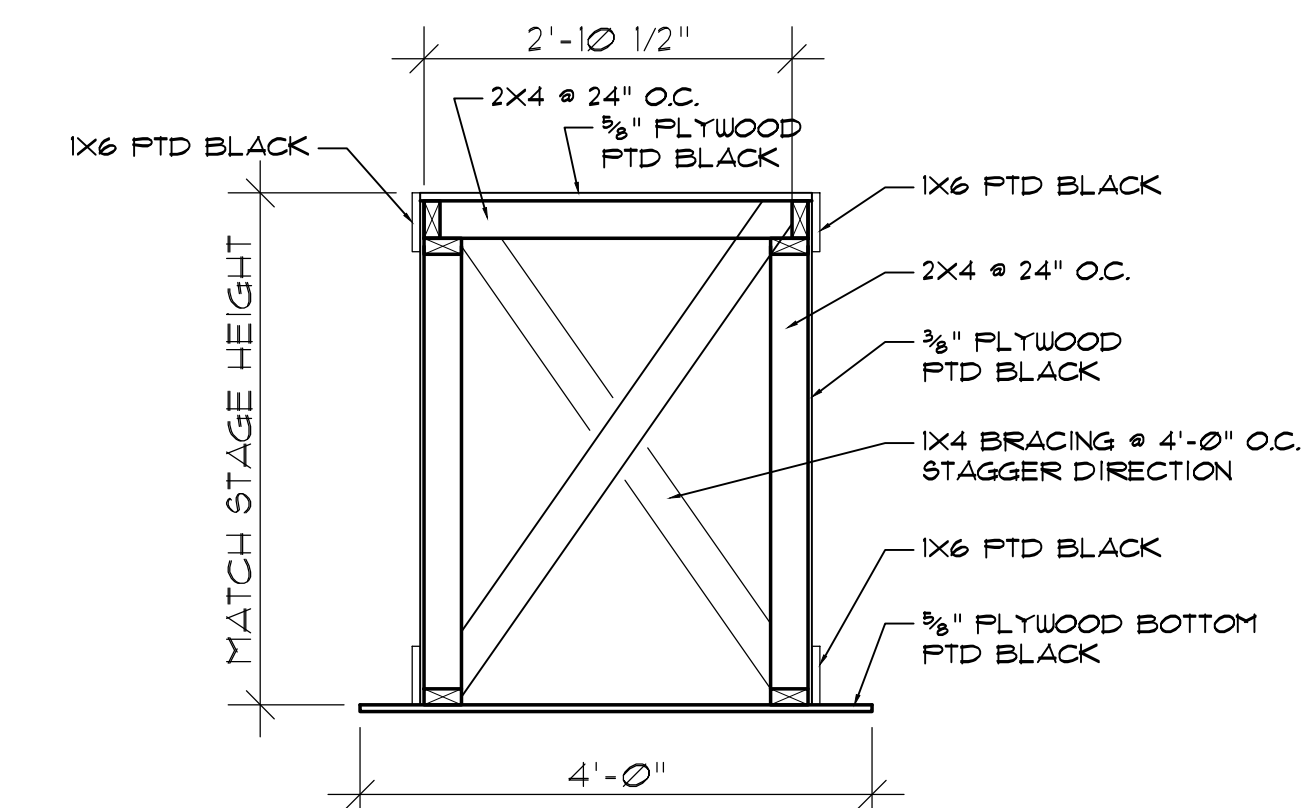
4
A-8
**COLUMN CAP
DETAIL - (ADD ALT. 3)**
SCALE: 1" = 1'-0"

NOTE: ALL WOOD TRIM
TO BE NO.1 POPLAR

3
A-8
**COLUMN BASE
DETAIL - (ADD ALT. 3)**
SCALE: 1" = 1'-0"

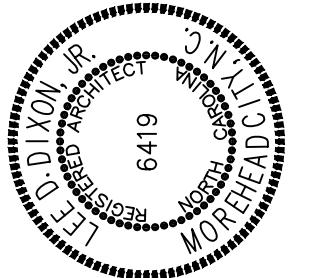
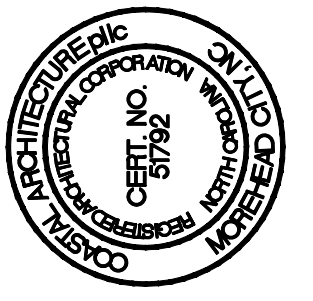


2
A-8
FLUTED PILASTER DETAIL
SCALE: 1 1/2" = 1'-0"



1
A-8
**FUTURE REMOVABLE
ORCHESTRA PIT WALL**
SCALE: 3/4" = 1'-0" N.I.C.

NOTE: WALL TO BE CONSTRUCTED IN 4'-0"
SECTIONS AND LATCHED TOGETHER.



DETAILS

24034

ISSUED: 24 JULY 24

DWG BY: MES

CKD BY: LDD

REVISIONS

Δ 07/30/24

PERMIT 08/19/24

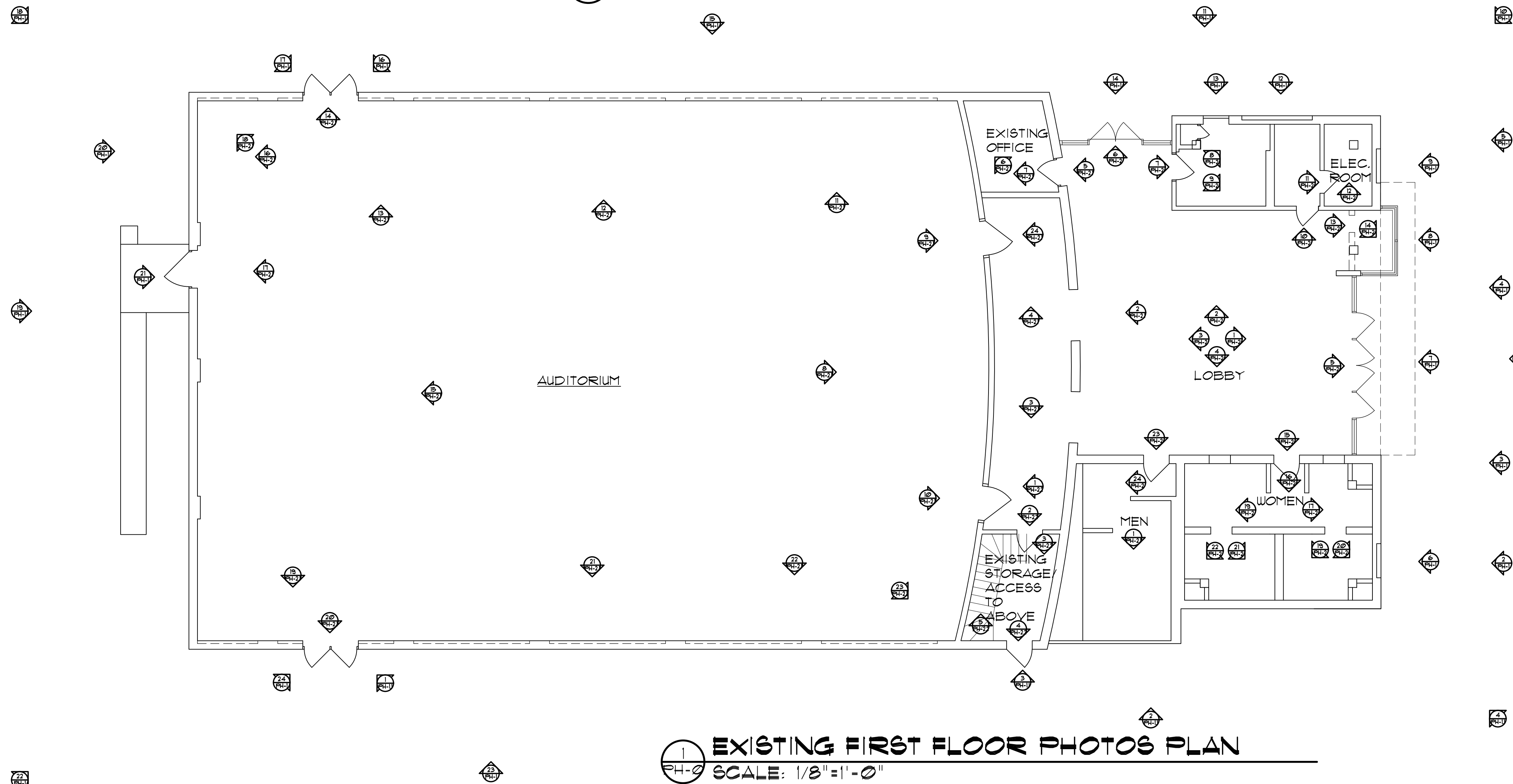
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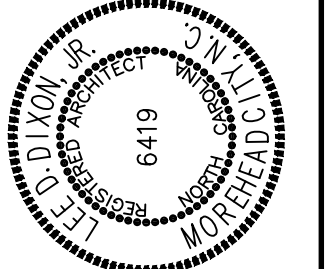
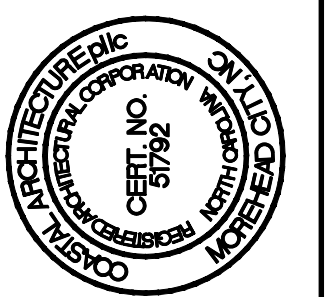
OF



2 EXISTING MEZZANINE PHOTOS PLAN
 PH-0 SCALE: 1/8" = 1'-0"



1 EXISTING FIRST FLOOR PHOTOS PLAN
 PH-0 SCALE: 1/8" = 1'-0"



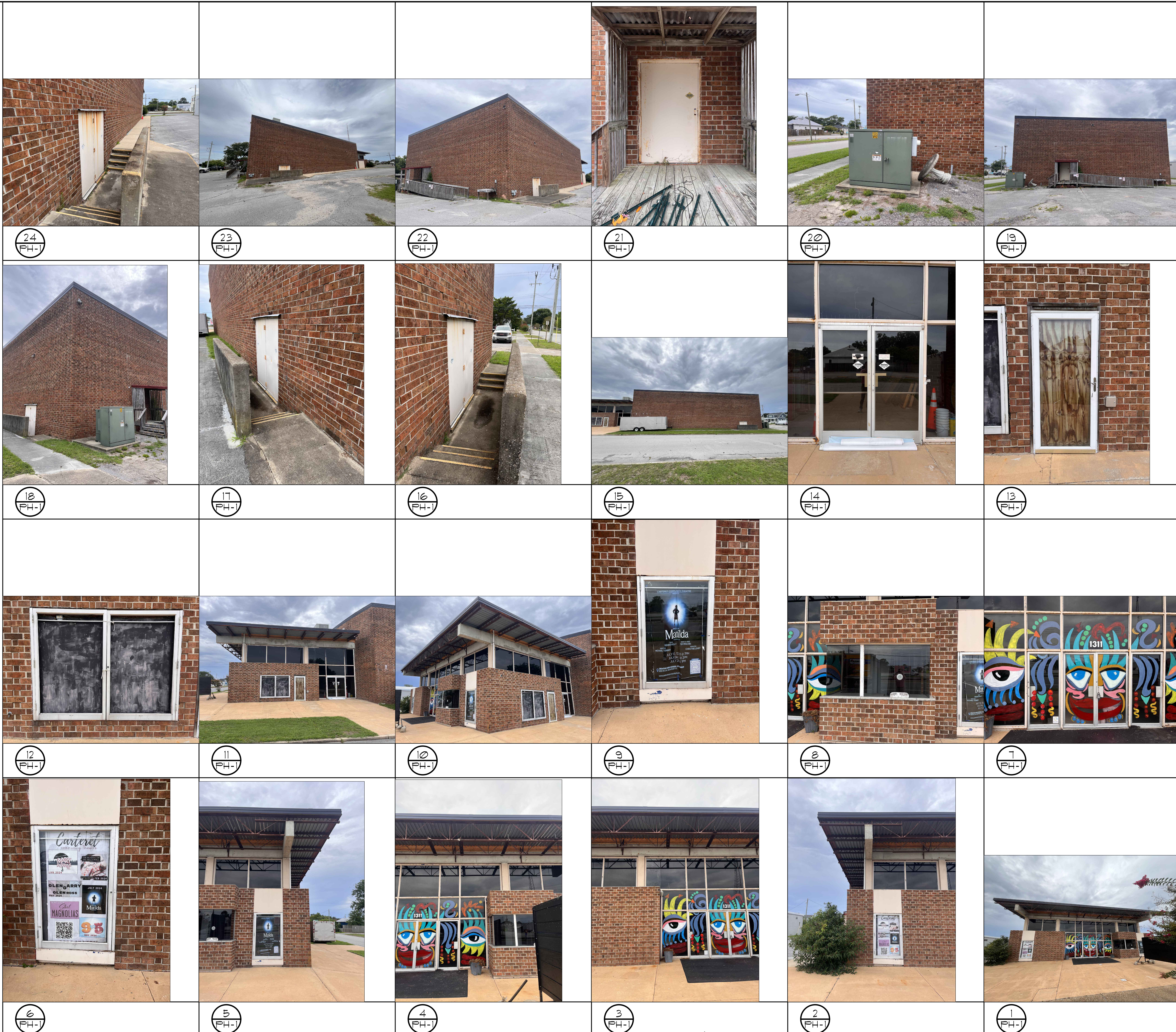
EXISTING PHOTOS PLAN

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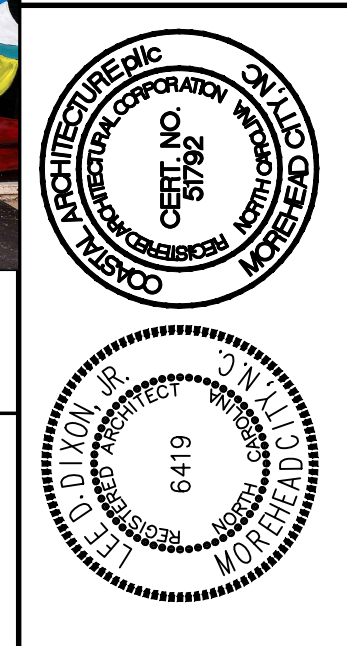
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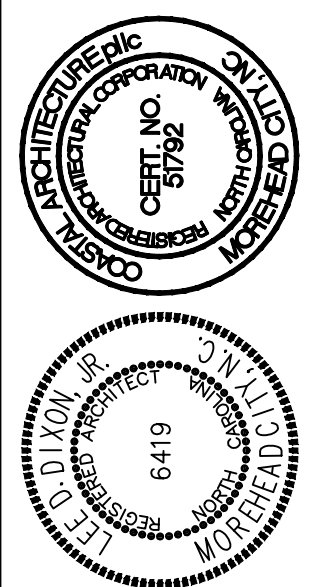
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PHOTOS



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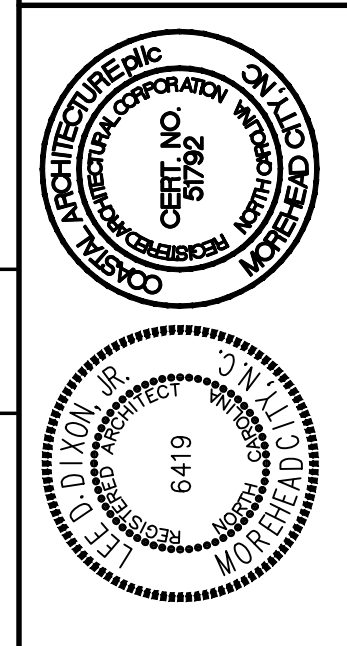
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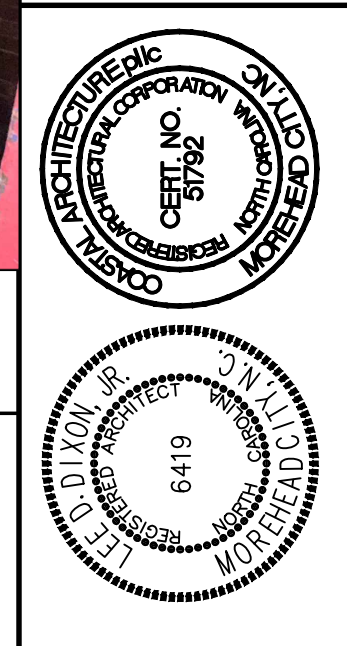
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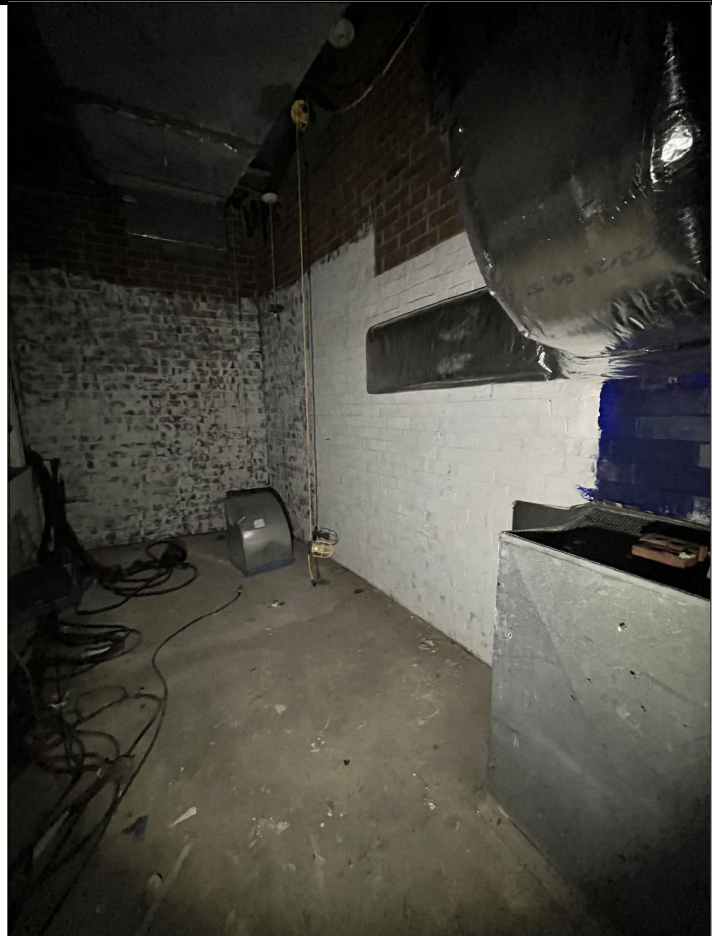
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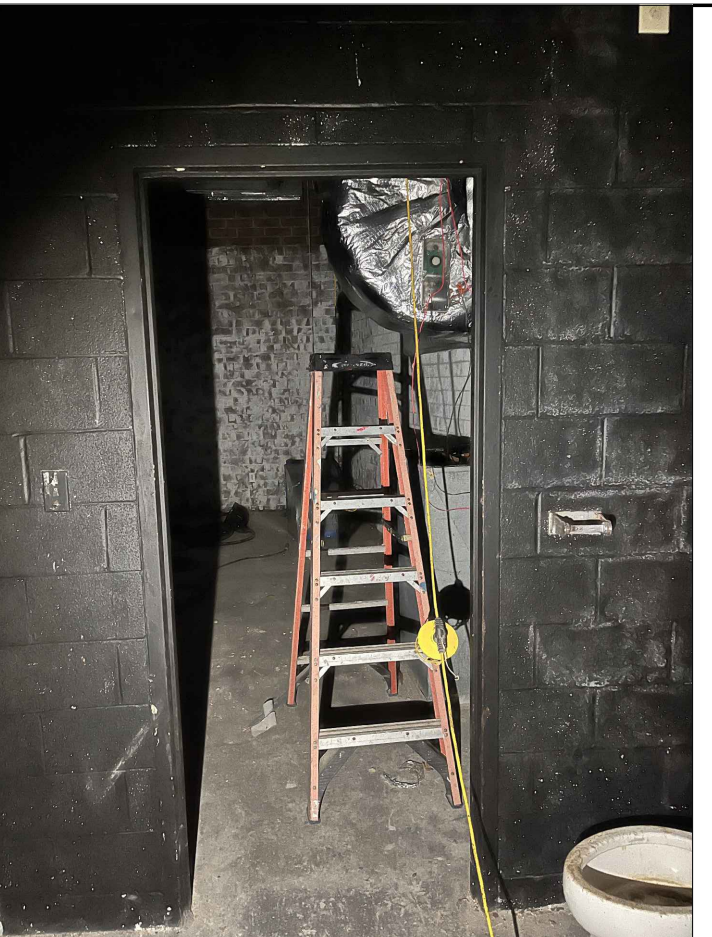
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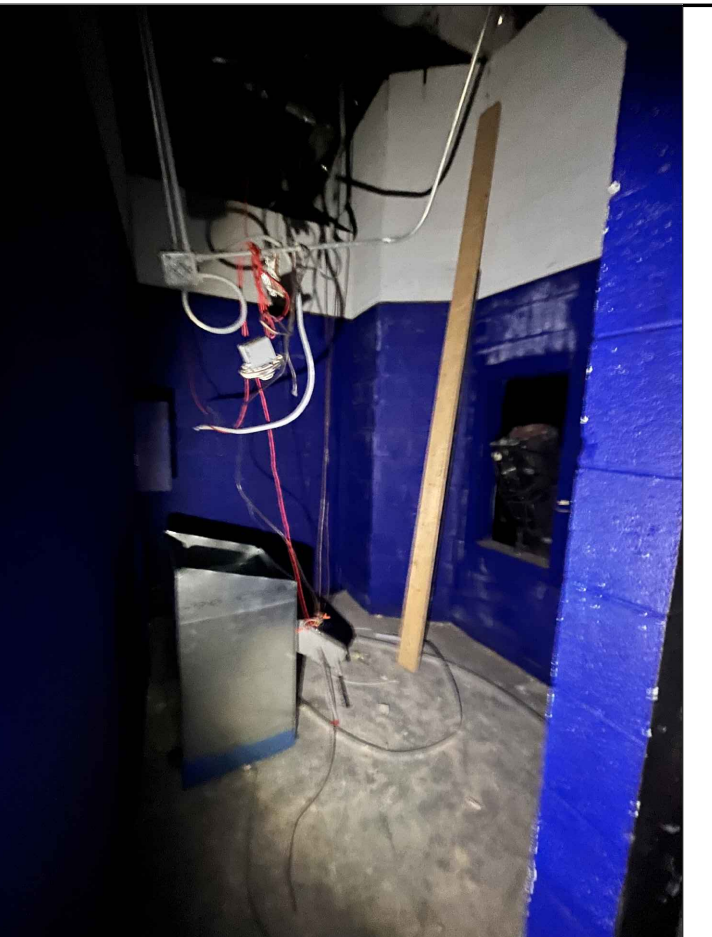
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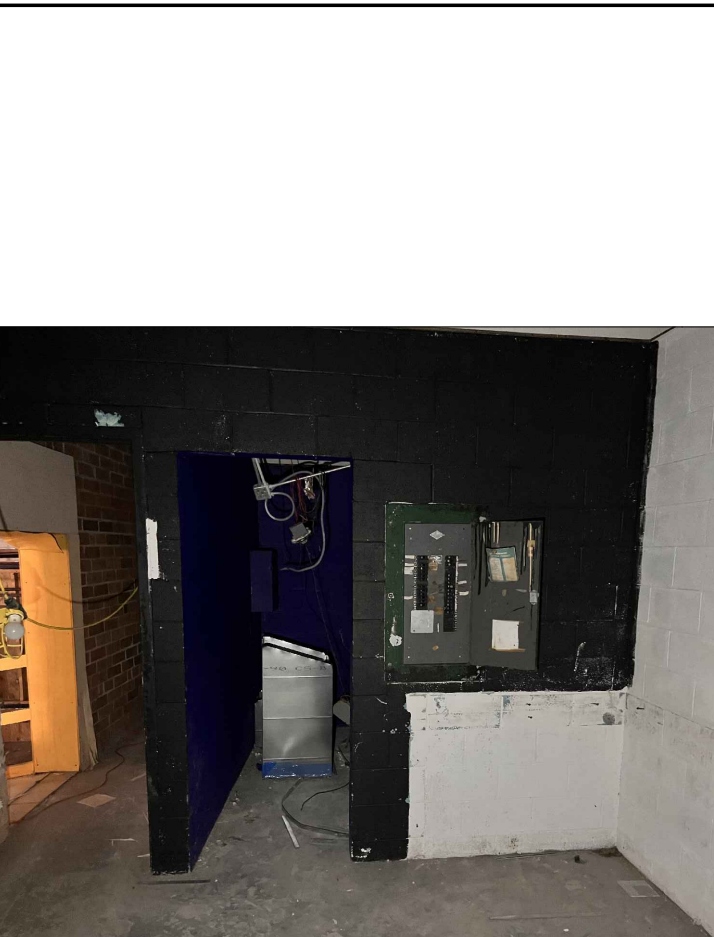
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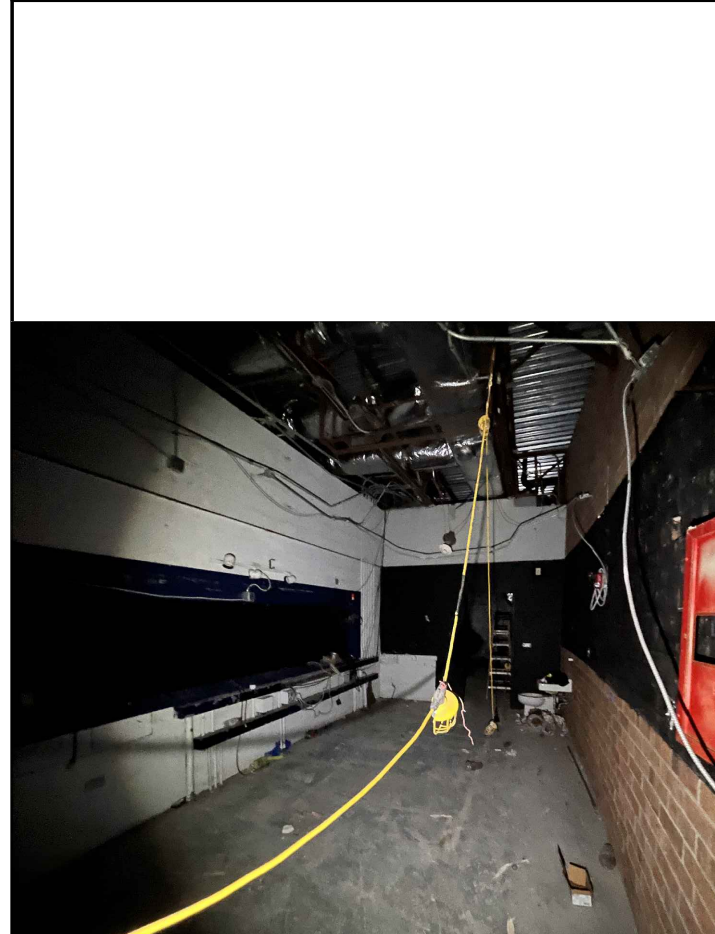
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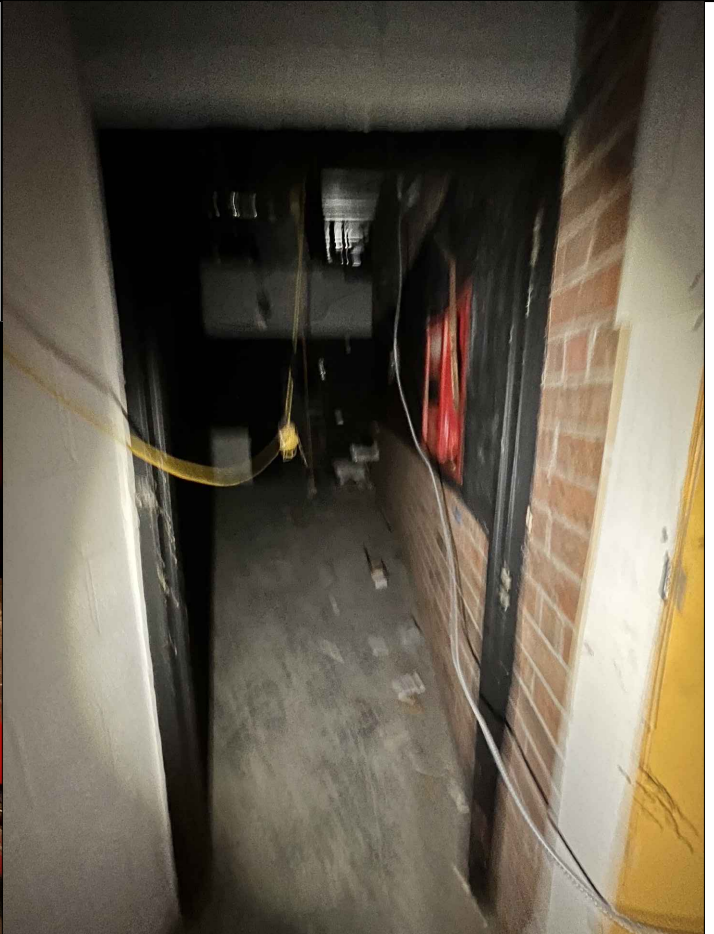
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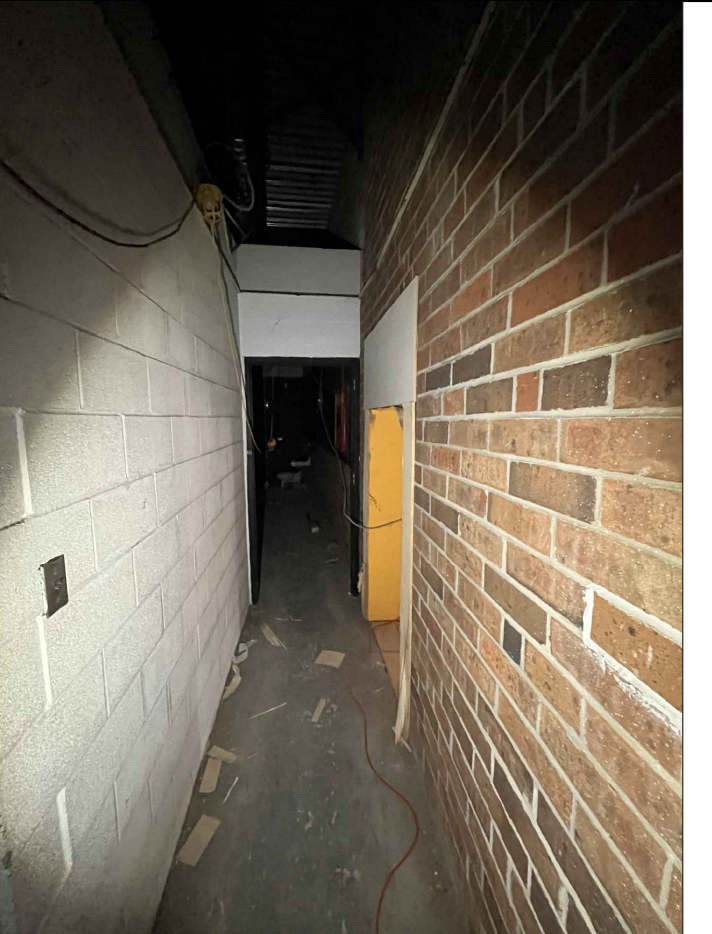
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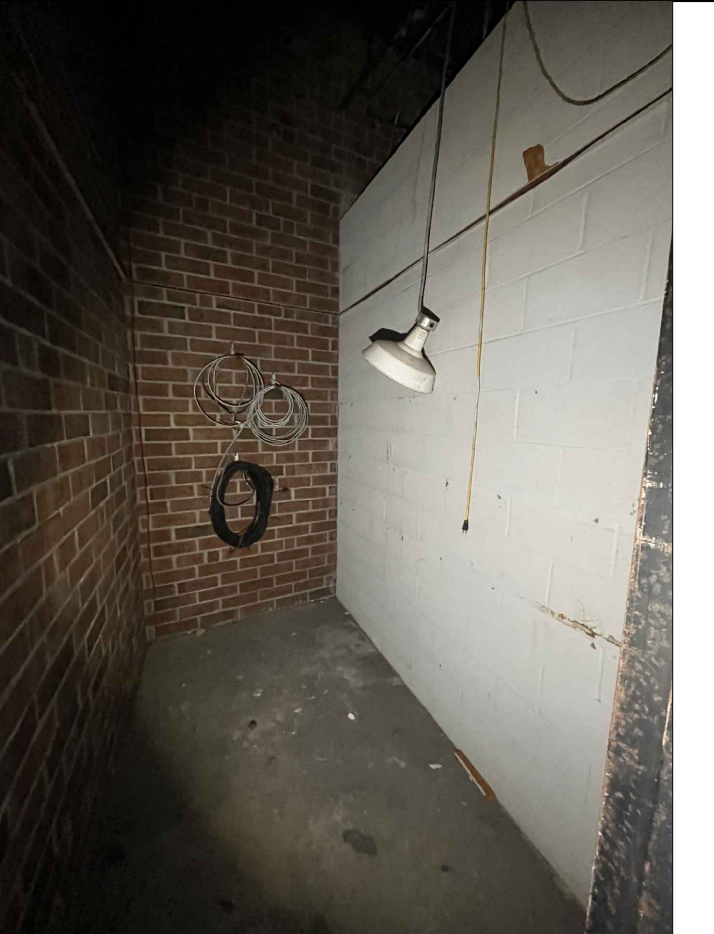
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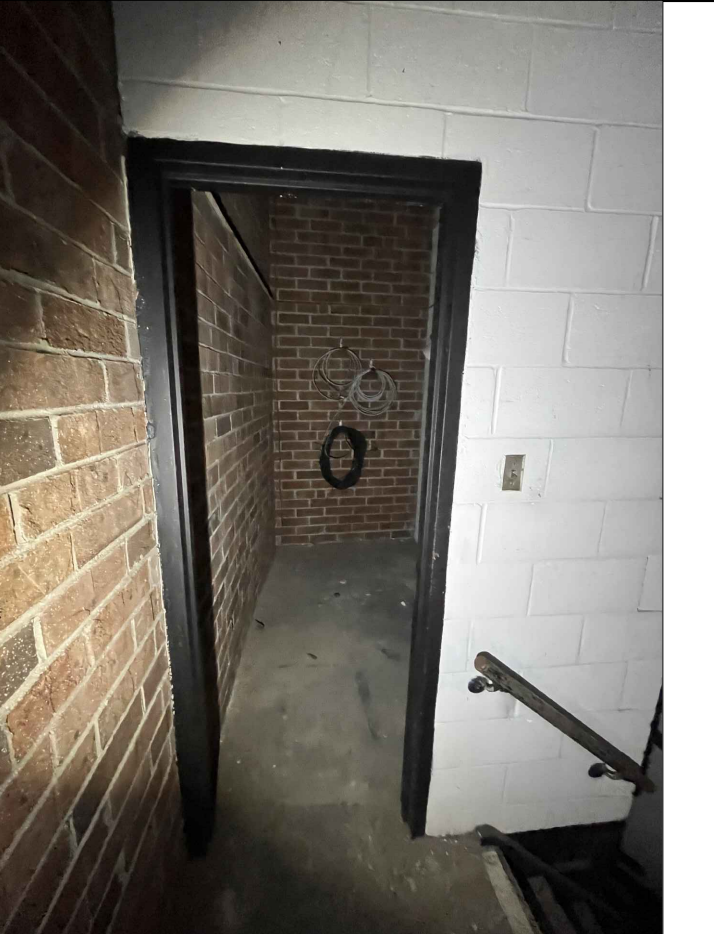
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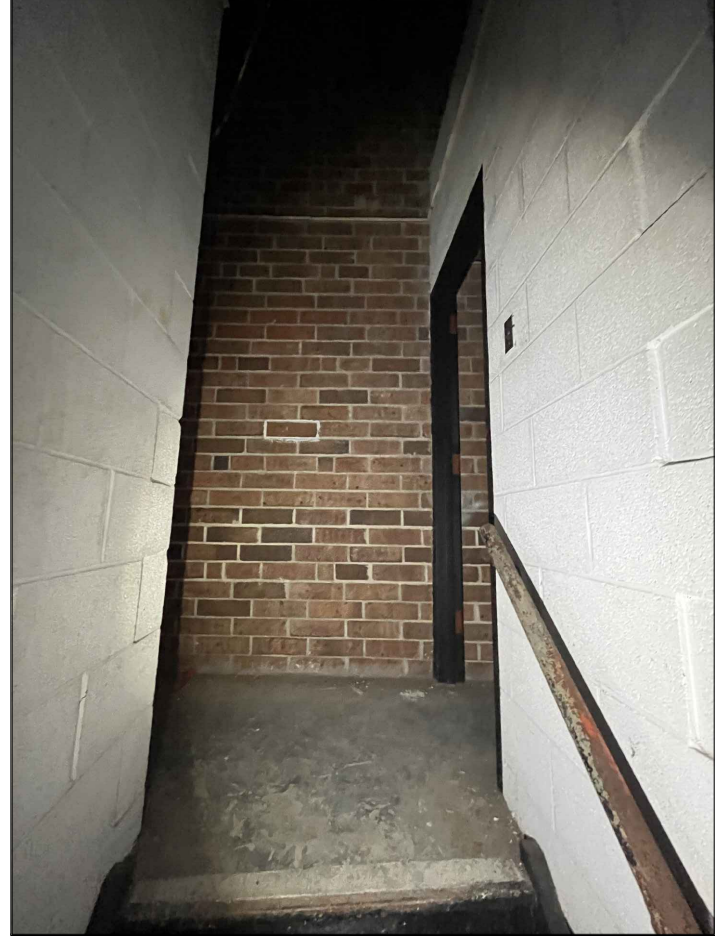
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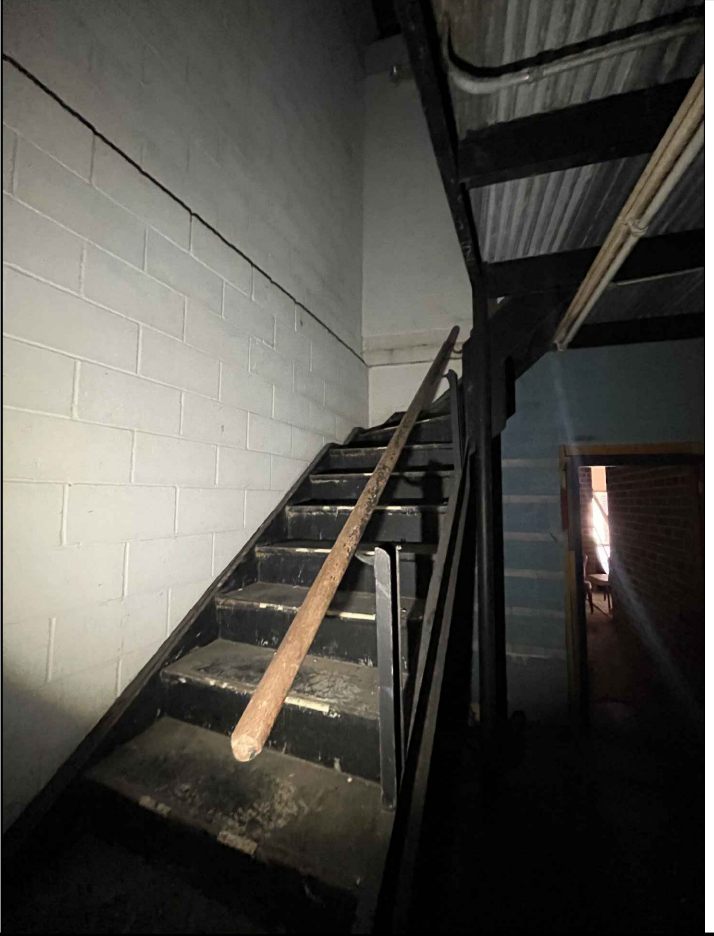
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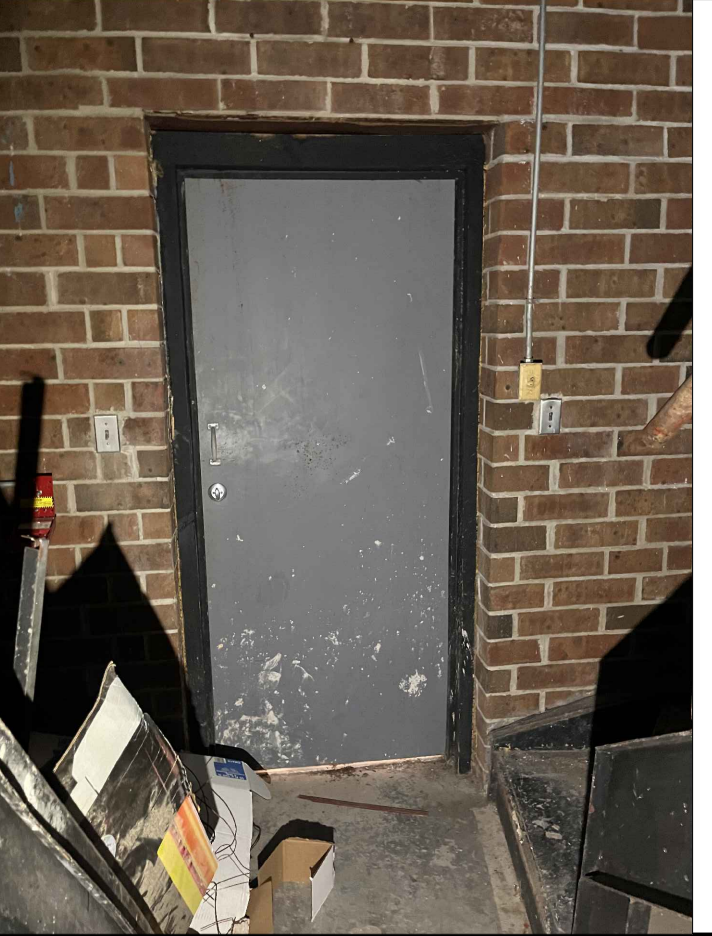
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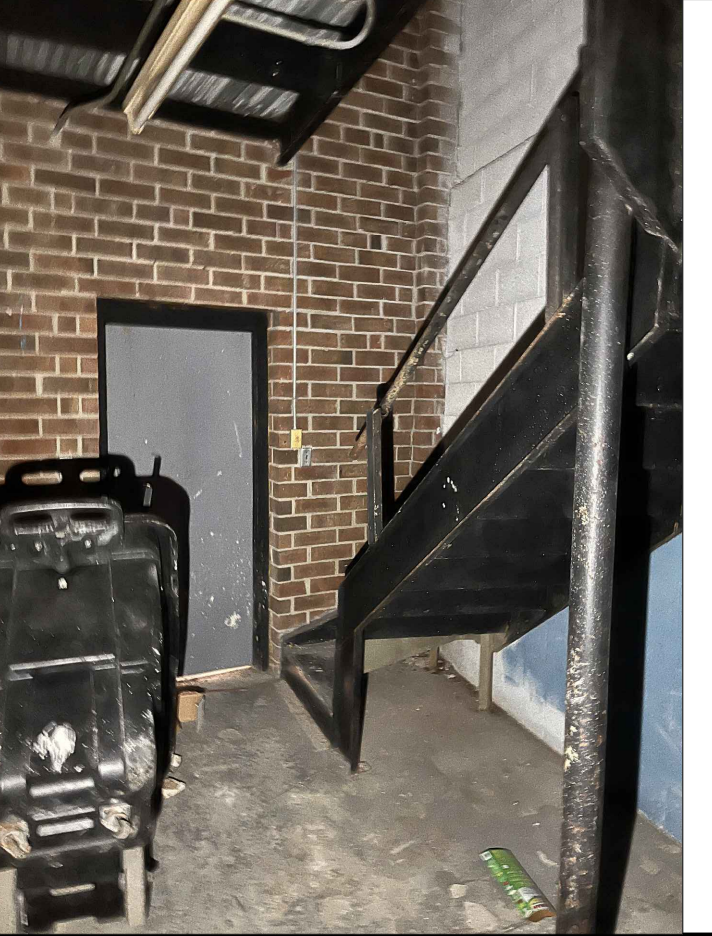
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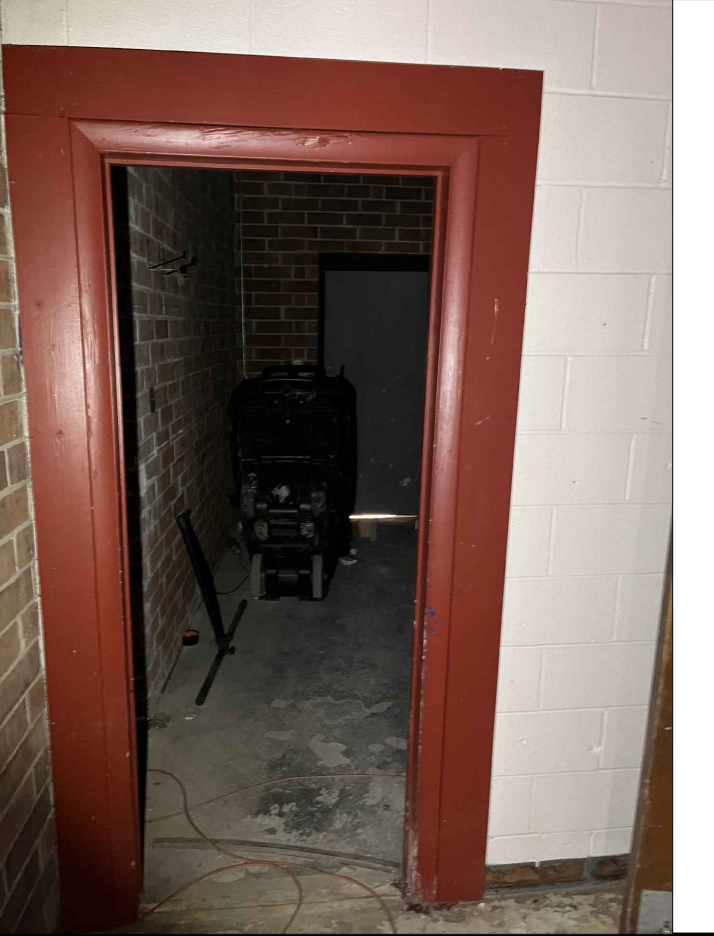
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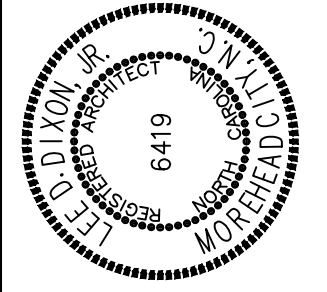
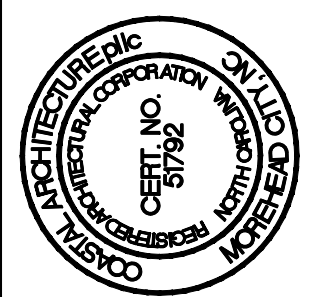


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REPAIRS TO
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MOREHEAD CITY, NORTH CAROLINA



PHOTOS

24034

ISSUED: 07/29/24

DWG BY: DLY

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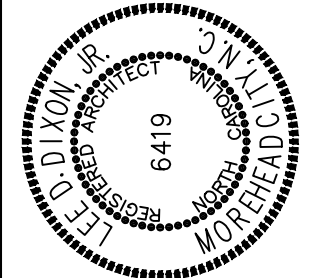
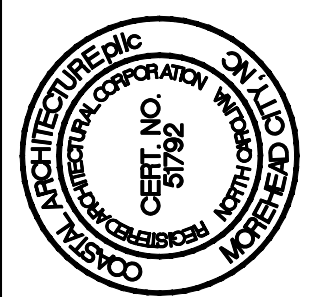
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OF

**REPAIRS TO
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STAGE FRAMING PLAN

24034

ISSUED: 24 JULY 24

DWG BY: LSA/MES

CKD BY: LDD

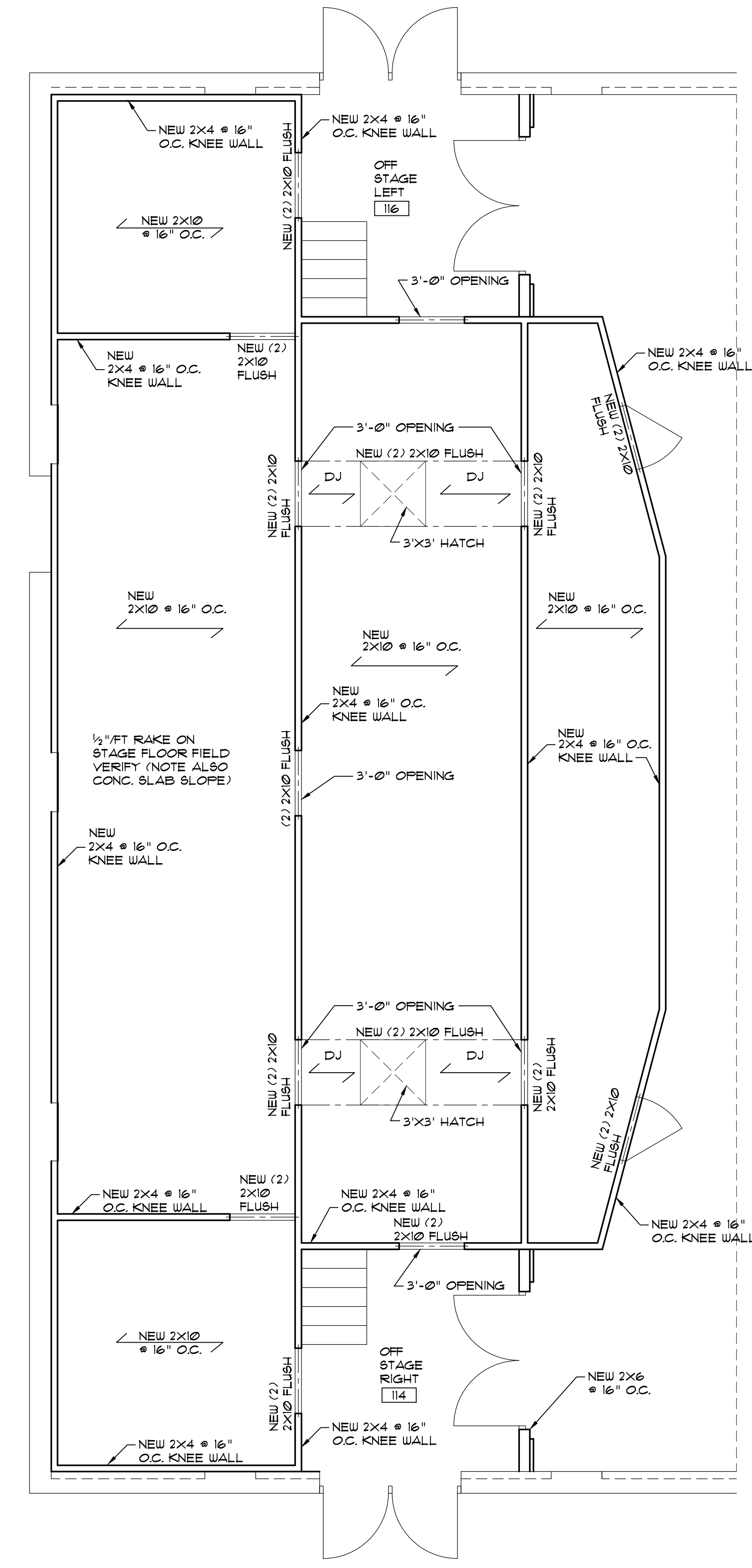
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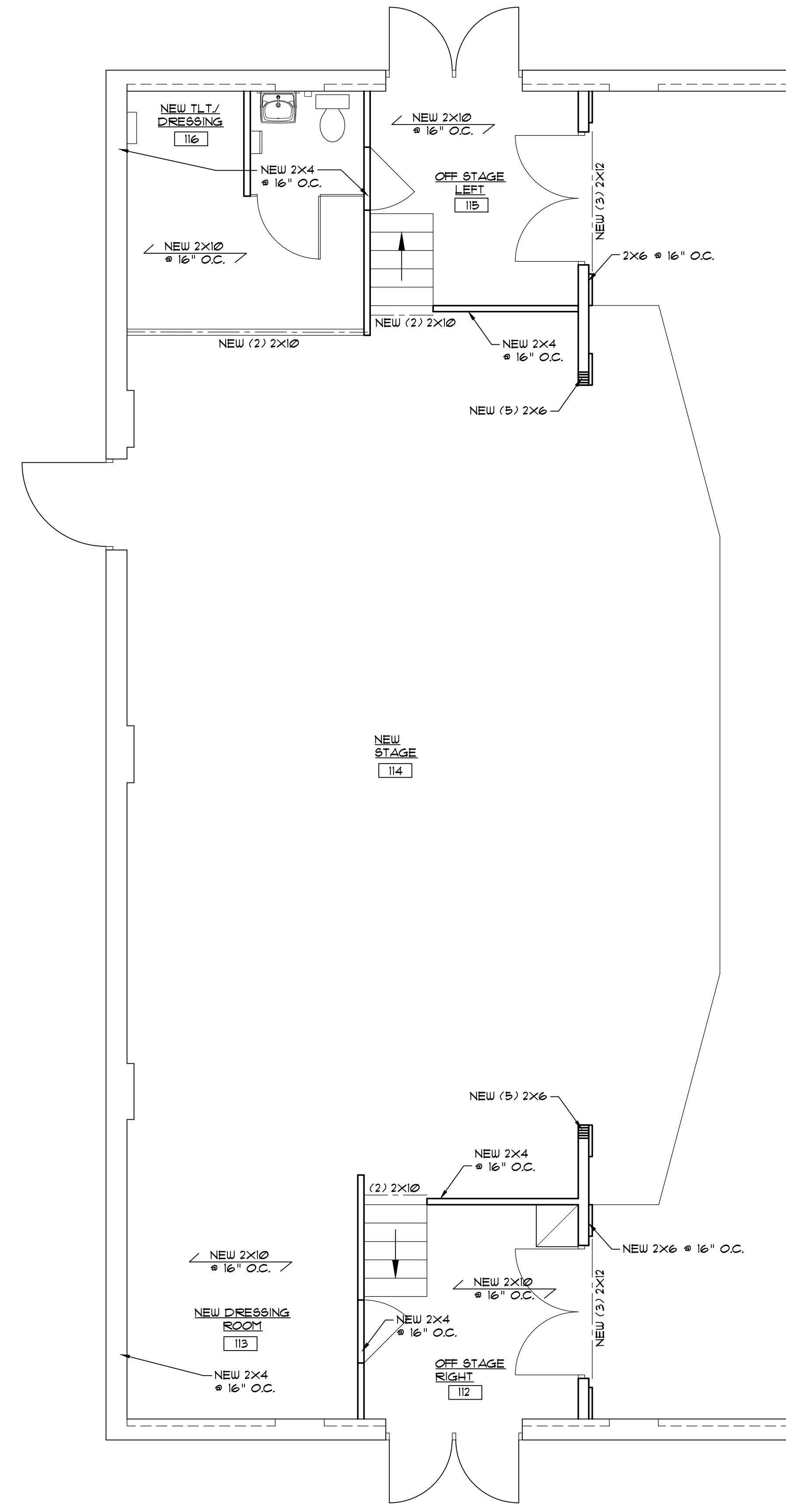
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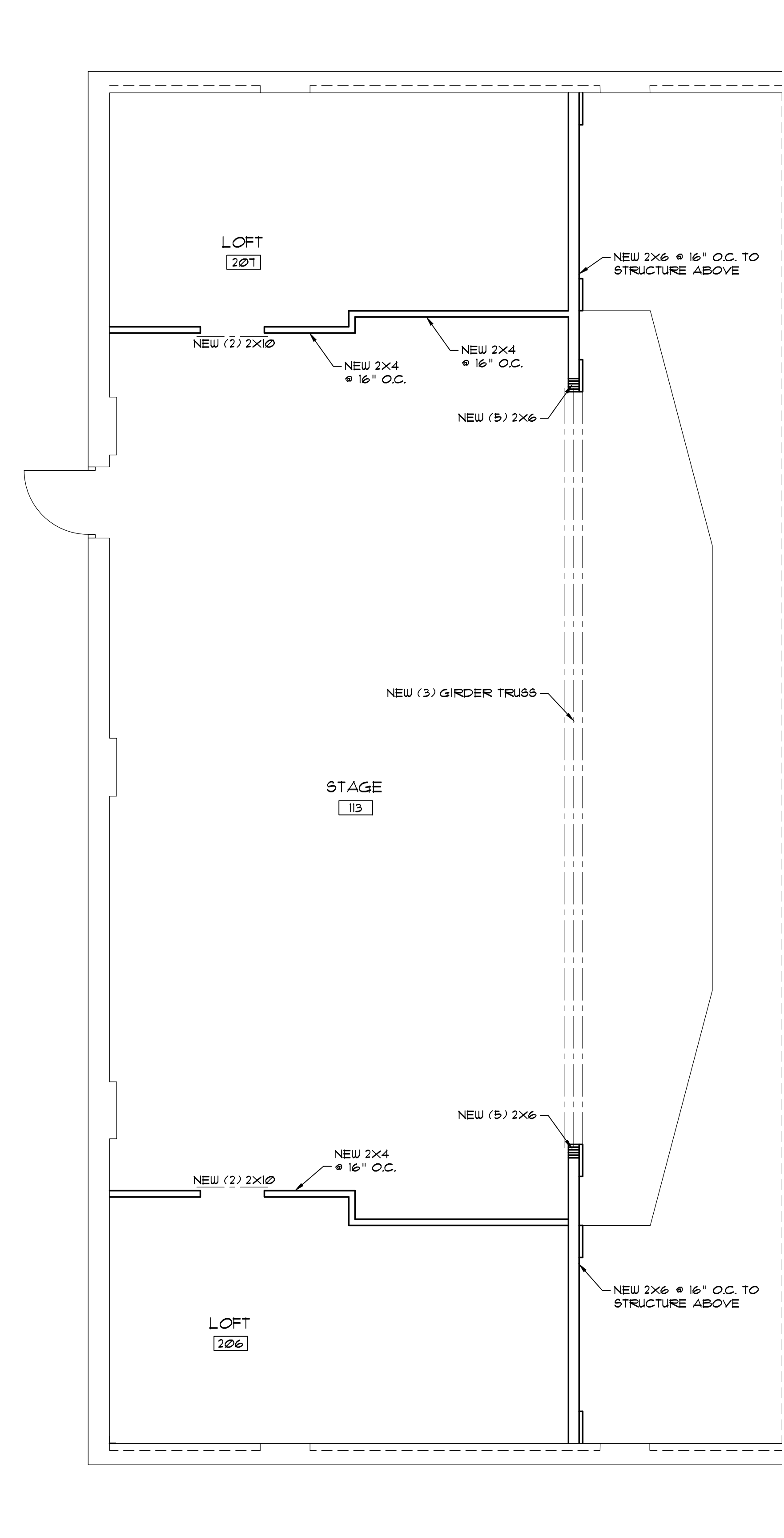
OF



1 STAGE FRAMING PLAN- LOWER LEVEL
SCALE: 1/4" = 1'-0"



2 STAGE FRAMING PLAN- LOFT LEVEL
SCALE: 1/4" = 1'-0"



3 STAGE FRAMING PLAN- UPPER LEVEL
SCALE: 1/4" = 1'-0"



DIVISION 15A – PLUMBING

1.1 DESCRIPTION OF THE WORK

- A. Work under this section includes, but is not necessarily limited to, furnishing and installing the following:
 - 1. Plumbing fixtures, water heaters, and all other equipment necessary.
 - 2. Cold and hot water piping and insulation.
 - 3. DWV piping.
 - 4. Connection of all equipment: drain, vent, water.

- B. All work under this contract shall be installed in compliance with the latest edition of the following codes and standards insofar as they apply:
 - 1. The National Electrical Code.
 - 2. 2018 N.C. Building Code: Plumbing, and all applicable category codes.
 - 3. American Society of Sanitary Engineering Standard 1010.
 - 4. All local codes and ordinances.
- C. These codes are minimum standards. If codes require a more stringent method of construction than the specifications require, the codes shall govern.
- D. The Plumbing Contractor shall be licensed in the State of North Carolina and have all local licenses required for the work.
- E. Obtain all permits, licenses, inspections, etc., required for the work, and pay for the same.

1.2 INTENT

- A. The intent of these specifications and accompanying drawings is to convey as reasonably as possible the requirements for a complete job ready for the building to operate. The Plumbing Contractor shall take this into consideration and include in his base bid allowance for contingencies as will allow him to provide minor pieces of equipment and labor not specifically indicated but required for the job to operate properly, at no additional cost to the Owner.

1.3 COORDINATION

- A. Coordinate work with other contractors. Notify Architect of apparent conflicts early to expedite construction. If structural damage appears imminent, stop work and notify Architect for a decision before resuming operations.
- B. Locations shown are approximate. The Plumbing Contractor shall refer to the architectural drawings for placement of equipment, fixtures, etc. Where locations are not clear, the Contractor shall obtain the exact locations from the Architect.
- C. Coordinate all exterior piping connections w/Architect, site contractor/plans. Verify manhole elevations and provide backwater valves as required if flood level rims are below next upstream manhole cover elevation. Fixtures with flood level rims above upstream manhole shall not discharge thru bw valve. Notify engineer of backwater valve requirement, any issue prior to bid.

1.4 SHOP DRAWINGS

- A. Shop drawings shall be submitted for plumbing fixtures and for pipe. These may consist of the manufacturer's standard catalog or tear sheets and shall have the exact items being offered clearly identified.

PART 2 – PRODUCTS

2.1 FIXTURES

- A. Each fixture shall be properly supported from the building structure as required to the end effect that all fixtures and accessories will be held rigidly in place. Water pipes supplying the fixtures must also be held rigidly in place.
- B. Provide loose key angle stops and chrome plated supply pipe water supplies to fixtures.
- C. All exposed piping traps and accessories for fixtures shall be chrome plated. Provide chrome plated escutcheon plates where pipes enter walls.
- D. Provide shutoff valves for all sinks, water heaters, toilets, washing machines, refrigerator icemaker, exterior hose bibbs and all other plumbing fixtures.
- E. Provide trap primers for all floor drains in areas not served by hose bibbs.

2.2 PIPING

- A. Drain-Waste-Vent: All DWV piping shall be Schedule 40 PVC-DWV u.o.n., with the following exceptions: Use cast iron piping in all return air plenums, penetrations of rated walls/floors/ceilings, and in areas/walls adjacent to cooking equipment exhaust hoods. Review Arch. and Mech. drawings. ABS or cast iron piping shall be used for drainage/discharge with a temperature greater than 140 deg. F for a minimum distance of 10'-0".
- B. Hot and cold water piping above grade: Type "L" copper w/solder joints (ASTM-B88), hard drawn with wrought copper fittings (ANSI B16.22). PEX piping with copper fittings may be used with owner/tenant approval and as allowed per code. Copper piping shall be used in areas/walls adjacent to cooking equipment exhaust hoods. Review Arch. and Mech. drawings.
- C. Cold water piping below grade: Type "K" copper (ASTM-B88) soft drawn.
- D. Hangers: Use pipe hangers where required on 8-foot centers with saddles to avoid crushing insulation.
- E. Solder: 95/5. Lead free.
- F. Unions: Provide unions where indicated on drawings, in long runs of piping (except drainage) and at equipment to provide convenient disassembly. Provide dielectric unions when connecting copper tubing to equipment and piping made of ferrous materials.

2.3 CLEANOUTS

- A. Hex plugs in rough areas: Recessed plugs with cover plates in exposed locations.

2.4 SHOCK ARRESTERS

- A. Provide shock arresters as required by codes, manufacturer's recommendations and accepted industry standards for quality construction. Provide for all quick closing valves.

PART 3 – EXECUTION

3.1 CONNECTIONS

- A. This contract includes complete connection of cold water, hot water, drainage, and vent piping as required. All fittings, valves, accessories, cutoffs, drains, etc., required to complete such connections shall be included.
- B. The connection to water closets shall be made watertight with gasket and wax ring. Floor flanges shall be caulked into position. Plastic caps shall be provided on the tie down bolts, and shall be secured in place by screwing down on threaded brass washers.
- C. Where water pipes connect to exposed chrome plated trim, use proper chrome plated escutcheons.

3.2 SERVICE ACCESS

- A. All valves and accessories shall be insulated so that they can be properly serviced. In no case shall the Plumbing Contractor install equipment or other components in situations that do not meet code requirements or manufacturer's requirements. Provide access doors as required to access valves, etc.

3.3 ROUTING OF PIPING

- A. Coordinate routing of piping with others, line up work true to or at right angle to adjacent surfaces and in a workmanlike manner. Support all interior piping from building structure by means of hanger or inserts to maintain pitch of lines, to prevent vibration, and to secure piping place.

- B. Space pipe hangers 8'-0" on center for one inch and smaller pipe, 4'-0" on center for 1-1/4 inch and larger pipe. Provide expansion loops as required.
- C. Pipe hangers for insulated lines shall have suitable saddles to protect insulation.

3.4 INSULATION

- A. All H/W and C/W piping shall be insulated with a min. of 1" inch elastomeric insulation (R=4.5 min.) in unconditioned areas. See NCSBC-Plumbing Sect. 305 for all protection requirements. All H/W piping of circulating systems shall be insulated with 1" insulation per Sect. C404.4 of the NCSBC 2018 Energy Conservation Code.
- B. Provide pre-fabricated insulation kits for all sink and lavatory exposed drain and supply piping.

3.5 INSPECTIONS AND TESTS

- A. Before being concealed, all water, soil and vent piping shall be tested to determine if they are water- and air-tight.
- B. Prior to placing into service, entire system shall be tested for leaks in strict accordance with state and local codes.

3.6 STERILIZATION OF PIPING

- A. Sterilize the new water piping thoroughly with a solution containing not less than 50 parts per million of available chlorine, using liquid chlorine, or sodium hydrochloride solution, introduced into the system in an approved manner. The sterilizing solution shall remain in the system for a period of 24 hours. After sterilization, flush the solution from the system with clean water until the residual chlorine content is not greater than 0.2 parts per million, unless otherwise directed.

3.7 SERVICE PRESSURE

- A. Provide approved water-pressure reducing valve (PRV) if service pressure exceeds 80 psi to reduce pressure to 80 psi static or less and as required per NCSBC-Plumbing Sect. 604.8.

3.8 DRAINDOWN

- A. Contractor to provide for complete plumbing system drain down.

3.9 CLEAN UP

- A. During construction, keep the site clear of debris and upon completion, and before final inspection, clean up the premises to remove all evidence of his work. In addition, upon completion of construction, clean, wash, and/or polish all fixtures, equipment and exposed material and leave them bright and clean.

3.10 GUARANTEES

- A. Guarantee all materials and labor included in the plumbing work for a period of one year from date of final acceptance by the Owner.
- B. Any defects in the system which become evident during the guarantee period shall be corrected without cost to the Owner. This shall include the replacing of defective materials where required, and the repair of damage caused by leaking pipes, etc., and damage to building surfaces caused in making repairs.

GENERAL NOTES – PLUMBING

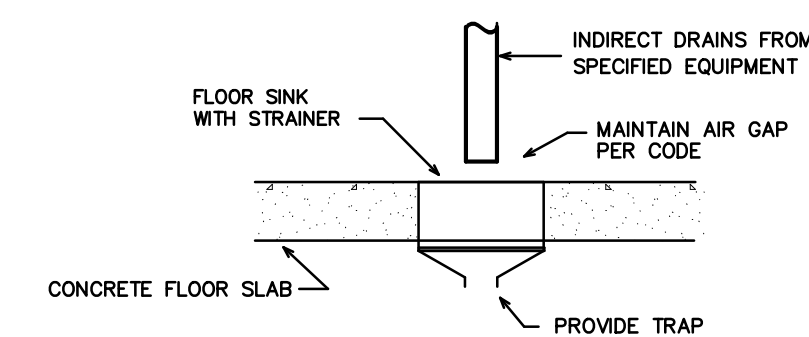
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES.
2. ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMEN. THE PLUMBING CONTRACTOR (PC) SHALL COORDINATE ALL OF HIS WORK WITH THE GENERAL CONTRACTOR (GC).
3. THE PLUMBING PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION AND ALL DISCREPANCIES OR INTERFERENCES BROUGHT TO THE ENGINEERS ATTENTION.
4. THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. THE PC SHALL PROVIDE ALL MISC. ITEMS NEEDED FOR A COMPLETE SYSTEM REGARDLESS IF NOTED ON THE DRAWINGS OR NOT. FOR DIMENSIONS REFER TO ARCHITECTURAL PLANS.
5. THE GC SHALL PROVIDE ALL WALL, FLOOR AND ROOF OPENINGS OF THE SIZE AND LOCATION REQUIRED BY THE PC AND SHALL BE RESPONSIBLE FOR PAINTING AND FLOOR FINISHES. THE PC SHALL PROPERLY SEAL ALL PENETRATIONS AND PROVIDE ESCUTCHEON PLATES AT ALL FINISHED LOCATIONS.
6. ALL NEW WATER PIPING SHALL BE INSTALLED TIGHT TO STRUCTURE, ADEQUATELY SUPPORTED AND PROTECTED AND PROPERLY PITCHED TO ALLOW TOTAL DRAINAGE.
7. ALL WATER PIPING SHALL BE HYDROSTATICALLY TESTED FOR A MINIMUM OF 15 MINUTES AT A MINIMUM OF 100 PSIG BEFORE COVERING AND ALL LEAKS CORRECTED. THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE.
8. PROVIDE MIN. 18" SHOCK ABSORBERS WITH STOPS ON ALL HOT AND COLD WATER FIXTURE RUNS AS REQUIRED BY CODE.
9. VENT LINES SHALL SLOPE UP TO ALL STACKS AND TERMINATE A MIN. OF 12" ABOVE ROOF LINE.
10. PROVIDE CUT SHEETS ON ALL PLUMBING FIXTURES FOR ARCHITECT AND OWNER APPROVAL PRIOR TO ORDERING ANY FIXTURES.
11. PROVIDE/VERIFY HIGH TEMPERATURE HOT WATER (HTHW) AT 120 DEGREES (MAX.) F. PROVIDE/VERIFY LOW TEMPERATURE HOT WATER (LTHW) AT 110 DEGREES (MAX.) F. VERIFY LTHW FROM ALL LAVATORY/HAND SINK FAUCETS, ANY OTHER REQUIRED FIXTURES (VERIFY). PROVIDE THERMOSTATIC MIXING VALVES WHERE REQUIRED, AND PER CODE, WHETHER OR NOT SHOWN ON PLANS.
12. PROVIDE CLEANOUTS AS REQUIRED BY CODE. NOT MORE THAN 100 FEET FOR 4" DRAIN.

SYMBOL LEGEND – PLUMBING

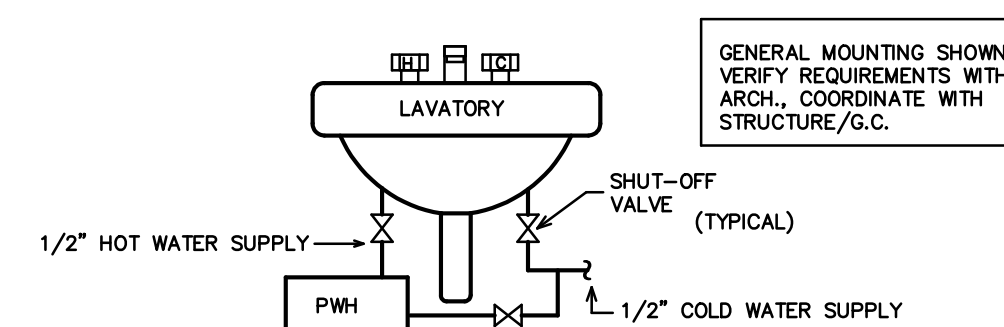
SYMBOL	DESCRIPTION (U.O.N.)
— — — — —	WASTE PIPING (W)
- - - - -	VENT PIPING (V)
—————	COLD WATER PIPING (CW)
—————	HOT WATER PIPING (HW)
-----HTHW-----	HIGH TEMPERATURE HW PIPING (HTHW) 120 DEG. F
-----LTHW-----	LOW TEMPERATURE HW PIPING (LTHW) 110 DEG. F
○ COFF	CLEANOUT FINISH FLOOR
⊥ WCO/HCO	WALL/HORIZONTAL CLEANOUT
□ COFG	CLEANOUT FINISH GRADE—PROVIDE FLUSH CONCRETE COLLAR AND BRONZE COVER
⊥	DIELECTRIC UNION
⊥	SHUT-OFF VALVE
⊥	VENT THRU ROOF (VTR)
A.A.V.	AIR ADMITTANCE VALVE
A.F.F.	ABOVE FINISHED FLOOR
U.O.N.	UNLESS OTHERWISE NOTED

FIXTURE SCHEDULE – PLUMBING *

- FS-1 * FLOOR SINK #1
ZURN PVC FLOOR SINK MODEL FD-2370-PV2, 12" X 12", 1/2 GRATE, WITH 2" PIPE CONNECTION. VERIFY GRATE REQUIREMENTS.
 - L1 * LAVATORY (WALL MOUNTED)
KOHLER CHESAPEAKE LAVATORY, K-1728, VITREOUS CHINA, 4" CENTERS, ADA COMPLIANT, PROVIDE DELTA MODEL 523LF-HGMHDF FAUCET, 0.5 GPM MAX WITH GRID STRAINER. PROVIDE P-TRAP AND SHUT-OFF VALVES.
 - L2 * LAVATORY (COUNTERTOP)
KOHLER PENNINGTON SELF RIMMING COUNTERTOP LAVATORY, K-2196, WHITE COLOR, ADA COMPLIANT, PROVIDE SLOAN OPTIMA JEFB-187 BATTERY OPERATED SENSOR FAUCET. PROVIDE DRAIN WITH GRID STRAINER, P-TRAP AND SHUT-OFF VALVES.
 - PWH * POINT OF USE ELECTRIC WATER HEATER
EMAX TANKLESS WATER HEATER #SP3512, 120V, 3,500W, 29A. PROVIDE FLEX CONNECTOR BRAIDED STAINLESS STEEL. INSTALL BELOW SINK/LAV. 48 DEGREE TEMPERATURE RISE AT 0.5 GPM.
 - TMV * THERMOSTATIC MIXING VALVE (ASSE 1070)
WATTS LFUSG-B 'LEAD FREE' GUARDIAN. INSTALL IN MAINTENANCE ACCESSIBLE LOCATION BELOW LAV/SINK OR ABOVE CEILING. SET HW OUTFLOW TO SPECIFIED TEMPERATURE (110 DEG. F (MAX.) LTHW).
 - UR * URINAL
KOHLER MODEL K-5016-ET, 3/4" TOP SPUD, ADA COMPLIANT W/PROPER INSTALL. 0.5 GPF. 2" OUTLET DRAIN. PROVIDE SLOAN 02 B186-0.5 BATTERY SENSOR FLUSH VALVE, 0.5 GPF. PROVIDE/VERIFY VALVE WITH OVERRIDE BUTTON.
 - WC * WATER CLOSET (ADA FLUSH TANK)
TOTO DRAKE ELONGATED WATER CLOSET, #CST744SL-01, ADA COMPLIANT 1.6 GPF. PROVIDE PROPER OPEN FRONT SEAT, PROVIDE SEAT COVER IF REQUIRED PER ARCH/OWNER. PROVIDE SUPPLY AND STOP, WAX SEAL, CLOSET BOLT KIT. PROVIDE MODEL WITH FLUSH CONTROL ON SIDE OPPOSITE GRAB BAR.
- * OR APPROVED EQUAL. SUBMIT ALL ITEMS FOR APPROVAL BY TENANT AND ARCHITECT PRIOR TO ORDERING.
ALL OTHER PLUMBING FIXTURES SHOWN ARE PROVIDED BY THE TENANT AND INSTALLED BY THE PLUMBING CONTRACTOR. SEE PLANS FOR NUMBER AND LOCATION. COORDINATE ALL REQUIREMENTS WITH EQUIPMENT SERVED.



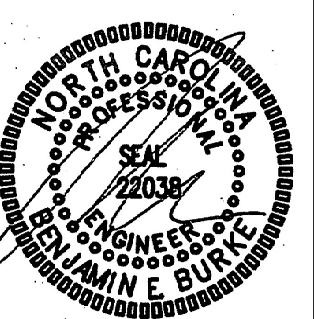
FLOOR SINK DETAIL
SCALE: NTS



- NOTES:
- 1) INSTALL WATER HEATER BELOW LAV. AND/OR CONCEALED IN CABINETRY.
 - 2) PC TO PROVIDE AND INSTALL WATER HEATER, EC TO WIRE.
 - 3) ALL WORK MUST BE DONE IN NEAT MANNER TO BE APPROVED BY ARCHITECT AND OWNER.

PWH DETAIL
SCALE: NTS

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NOTE:
THE EXISTING INFORMATION SHOWN ON THIS SHEET IS FROM FIELD INVESTIGATION AND PREVIOUS PERMIT DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND FIELD VERIFYING ALL RELEVANT INFORMATION. THE SUBMISSION OF A BID INDICATES ACCEPTANCE OF EXISTING CONDITIONS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES NOTED.

IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO LOCATE ANY AND ALL EXISTING BUILDING SYSTEMS IN CONCRETE, FLOORS, WALLS, CEILINGS, ETC., PRIOR TO START OF WORK, THAT MAY BE ENCOUNTERED DURING CONSTRUCTION TO DETERMINE METHODS REQUIRED TO AVOID AND/OR MAINTAIN EXISTING SYSTEMS OPERATION. COORDINATE WITH BLDG. OWNER, ARCH., G.C. THE PLUMBING CONTRACTOR SHALL LOCATE, TRACE, AND INSPECT FOR PROPER DRAINAGE AND CONDITION, ANY/ALL EXISTING BUILDING DRAINAGE LINES AND SYSTEMS (SANITARY, GREASE, ETC.) THAT ARE TO BE UTILIZED BY THE OCCUPANT/NEW CONNECTIONS PER DESIGN DRAWINGS THROUGH USE OF CAMERA, DYES, AND/OR ANY MEANS NECESSARY— PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL REMEDY ANY ISSUES IN ORDER TO ENSURE A PROPER FUNCTIONING, CODE COMPLIANT SYSTEM, WHICH INCLUDES BUT IS NOT LIMITED TO, JETTING OF LINES, REMOVAL OF DEBRIS, REPLACEMENT OF ANY IMPROPER OR DAMAGED PIPING, VERIFY AVAILABLE DEPTH/INVERT REQUIREMENTS, FLOW DIRECTION OF EXISTING LINES, PROVIDE DOCUMENTATION TO THE ENGINEER FOR REVIEW. THE EXISTING AND NEW DRAINAGE SYSTEMS/CONNECTIONS SHALL BE TESTED FOR PROPER OPERATION UPON COMPLETION OF WORK. ALL ISSUES AND SOLUTION OPTIONS ARE TO BE COORDINATED WITH THE DRAINAGE SYSTEM/BUILDING OWNER, G.C., ARCHITECT, AND ENGINEER. PROVIDE AS-BUILT DRAWINGS FOR ENGINEER REVIEW.

REMOVE UNUSED VENT LINES TO ABOVE CEILING AND CAP AT MAIN. REMOVE UNUSED DRAIN STUB-OUTS, REMOVE UNUSED FLOOR SINKS, FLOOR DRAINS, ETC. IF/AS REQUIRED— COORDINATE W/TENANT, AND PROVIDE CLEANOUTS AT FINAL FINISHES TO PREVENT DEAD-ENDS AS REQUIRED BY CODE. REMOVE AND REPLACE ALL CONCRETE, ASPHALT, WALL MATERIAL, CEILINGS, ETC., AS REQUIRED TO LOCATE EXISTING LINES AND INSTALL NEW LINES. ALL EXISTING FIXTURES, ETC., MAY NOT BE SHOWN. COORDINATE WITH G.C., TENANT/BLDG. OWNER, AND ARCHITECT FOR ITEMS TO BE REMOVED.

COORDINATE WORK WITH BUILDING OWNER SO AS NOT TO IMPACT OPERATION OF ANY ADJACENT SPACES/LEVELS. NIGHT AND WEEKEND WORK MAY BE REQUIRED.

NOTE:
DWV PIPING SHALL NOT BE UNNECESSARILY EXPOSED. EXPOSED LINES SHALL BE INSTALLED SO THEY DO NOT OBSTRUCT OR PREVENT CLEANING OF THE FLOORS, WALLS, OR CEILINGS. EXPOSED HORIZONTAL LINES MAY NOT BE INSTALLED ON THE FLOOR. PROVIDE ANY STAND-OFFS AS REQUIRED PER HEALTH DEPARTMENT. RUN LINES TIGHT AND CONCEALED UNDER BAY/EQUIPMENT, OR IN HALF WALL AS REQUIRED. PROVIDE AIR INTAKE VENT/GRILLE FOR AAVS WHERE REQUIRED.

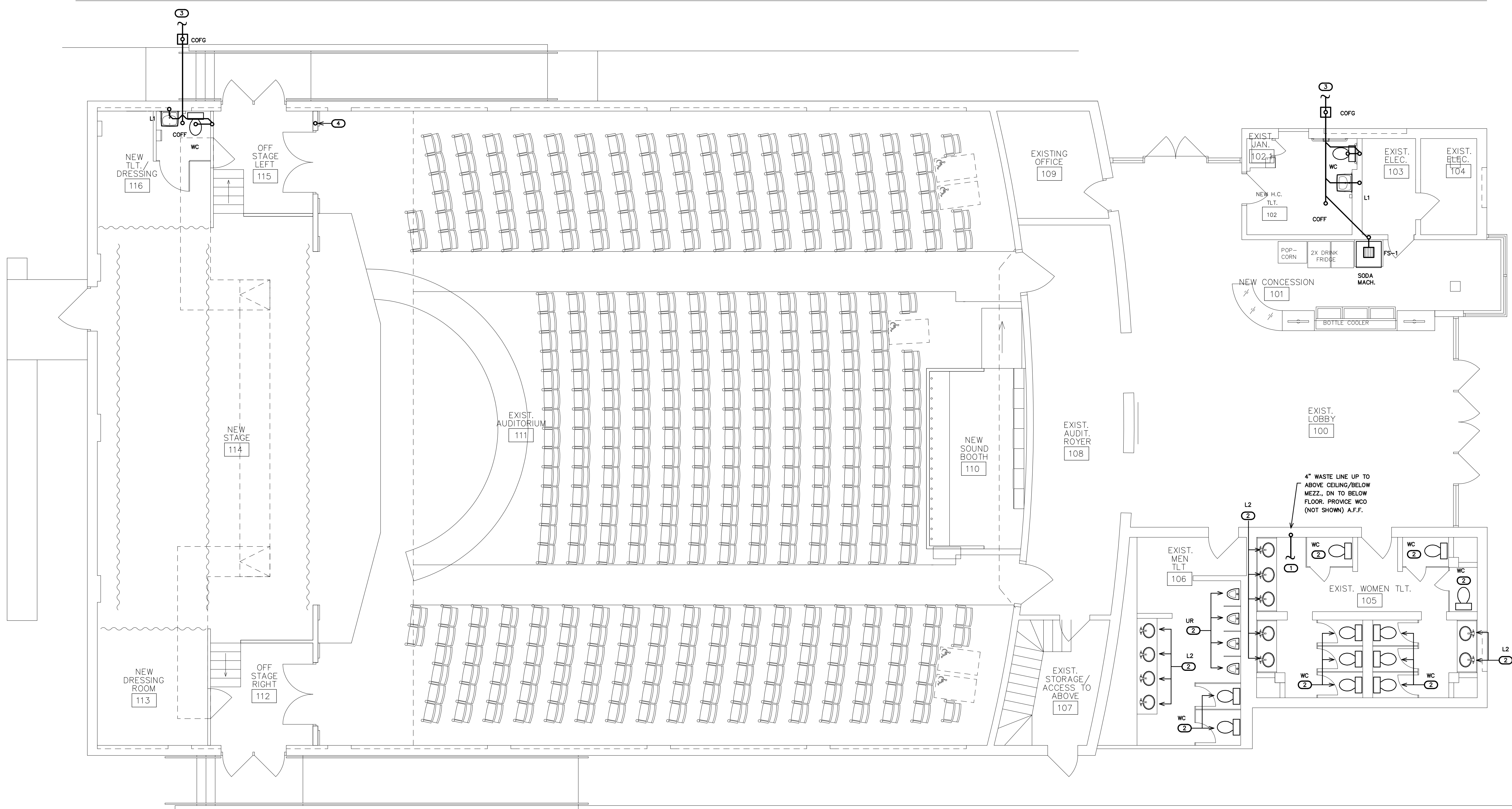
NOTE:
COORDINATE EXACT LOCATIONS OF FLOOR SINKS WITH TENANT/EQUIPMENT SERVED PRIOR TO ROUGH-IN. MINIMUM CLEARANCES FOR ALL EXPOSED INDIRECT DRAIN LINES ARE 4" A.F.F., 1" FROM WALL, 1" FROM OTHERS. ALL INDIRECT WASTE PIPING FROM EQUIPMENT EXCEEDING 50' IN DEVELOPED LENGTH HORIZONTALLY, OR 64" IN TOTAL DEVELOPED LENGTH, SHALL BE TRAPPED. PROVIDE DRAIN PIPING FOR SO THAT EACH WELL OF A MULTI-COMPARTMENT SINK DISCHARGES INDEPENDENTLY TO A WASTE RECEPTOR PER NCSBC-PLUMBING SECT. 802.1.1. PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS.

KEY NOTES FOR SHEET P2.1

- 1 CONNECT TO EXISTING 4" (MIN.) SANITARY WASTE MAIN IN AREA. VERIFY LOCATION.
- 2 CONNECT FIXTURE TO EXISTING DWV IN AREA OF REMOVED UNIT(S). EXTEND/PROVIDE PIPING, REMOVE/REPLACE CONCRETE AS REQUIRED. VERIFY EXISTING LINE SIZES REQUIRED PER PIPE SIZING SCHEDULE— SEE DWV RISER. RE-PIPE FIXTURE DWV TO NEAREST EXISTING MAINS IF NECESSARY/AS REQUIRED.
- 3 EXTEND 4" BUILDING DRAIN TO SEWER MAIN. COORDINATE WITH SITE UTILITIES.
- 4 2" VENT ABOVE CEILING UP. VERIFY LOCATION, ROUTING TO VTR.

INDIRECT CONNECTION SCHEDULE *	
FLOOR SINK # (FS-1)	SIZE
SODA MACHINE	3/4"

* VERIFY ALL EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN.



P2.1 FIRST FLOOR DWV PLAN
SCALE: 3/16" = 1'-0"

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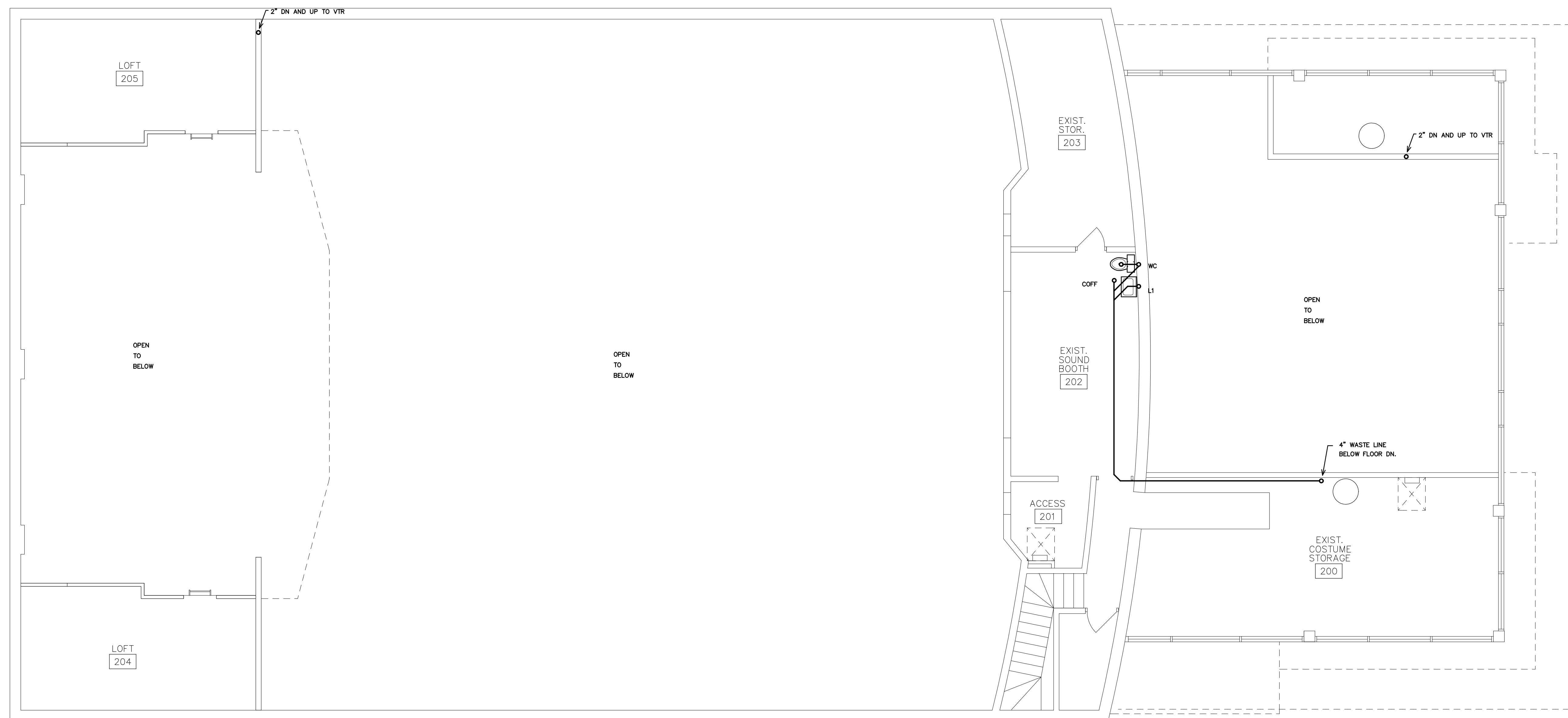
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REMOVE UNUSED VENT LINES TO ABOVE CEILING AND CAP AT MAIN. REMOVE UNUSED DRAIN STUB-OUTS, REMOVE UNUSED FLOOR SINKS, FLOOR DRAINS, ETC. IF/AS REQUIRED- COORDINATE W/TENANT, AND PROVIDE CLEANOUTS AT FINAL FINISHES TO PREVENT DEAD-ENDS AS REQUIRED BY CODE.

REMOVE AND REPLACE ALL CONCRETE, ASPHALT, WALL MATERIAL, CEILINGS, ETC., AS REQUIRED TO LOCATE EXISTING LINES AND INSTALL NEW LINES. ALL EXISTING FIXTURES, ETC., MAY NOT BE SHOWN. COORDINATE WITH G.C., TENANT/BLDG. OWNER, AND ARCHITECT FOR ITEMS TO BE REMOVED.

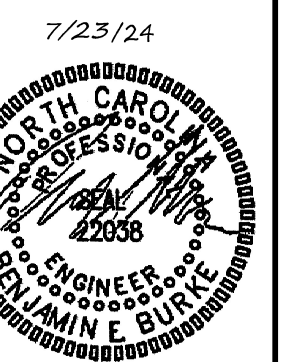
COORDINATE WORK WITH BUILDING OWNER SO AS NOT TO IMPACT OPERATION OF ANY ADJACENT SPACES/LEVELS. NIGHT AND WEEKEND WORK MAY BE REQUIRED.



MEZZANINE LEVEL DWV PLAN
SCALE: 3/16" = 1'-0"

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**CARTERET COMMUNITY
THEATRE REPAIRS**
MOREHEAD CITY, NORTH CAROLINA



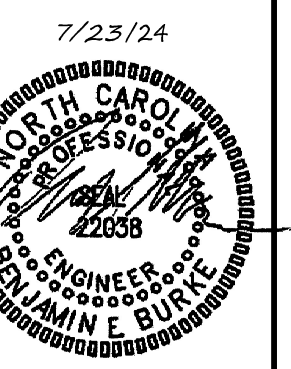
MEZZANINE LEVEL
DWV PLAN

24034

ISSUED: 7/23/2024
DWG BY: MRH
CKD BY: BEB

REVISIONS

SHEET NO.
P2.2



FIRST FLOOR
WATER PLAN

24034

ISSUED: 7/23/2024
DWG BY: MRH
CKD BY: BEB

NO.	REVISIONS

SHEET NO.
P3.1

NOTE:
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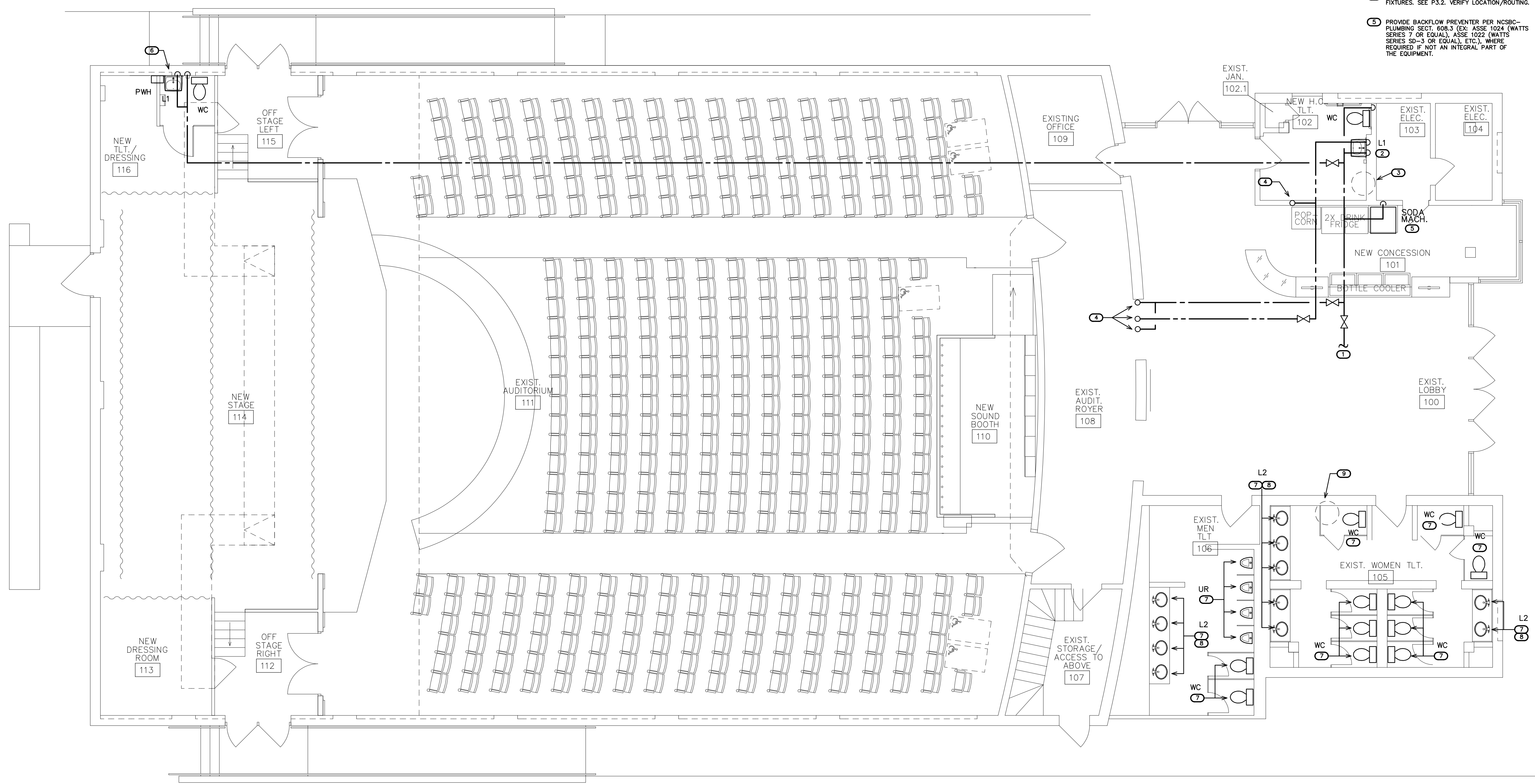
REMOVE ALL UNUSED CW AND HW LINES/STUB-OUTS, ETC., AND CAP LINES BEHIND FINAL FINISHES. REMOVE AND REPLACE ALL CONCRETE, ASPHALT, WALL MATERIAL, CEILINGS, ETC., AS REQUIRED TO LOCATE EXISTING LINES AND INSTALL NEW LINES. ALL EXISTING FIXTURES, ETC., MAY NOT BE SHOWN. COORDINATE WITH G.C., TENANT/BLDG. OWNER, AND ARCHITECT FOR ITEMS TO BE REMOVED.

COORDINATE WORK WITH BUILDING OWNER SO AS NOT TO IMPACT OPERATION OF ANY ADJACENT SPACES/LEVELS. NIGHT AND WEEKEND WORK MAY BE REQUIRED.

NOTE:
WATER LINES SHOWN FOR CLARITY. VERIFY ROUTING OF ALL WATER LINES ON MEZZANINE, ABOVE CEILINGS/BELOW ROOF STRUCTURE, TO WATER HEATERS, ETC., WITH ARCHITECT AND OWNER. COORDINATE W/EXISTING STRUCTURE, ALL TRADES. COORDINATE W/ARCH. OWNER FOR ANY INSTALLATION CONSIDERATIONS (ROUTING, HW/CW INSULATION, ETC.) IN DRESSING ROOM, ETC.

KEY NOTES FOR SHEET P3.1

- CONNECT TO EXISTING 1" (MIN.) CW ABOVE CEILING OR AS REQUIRED. VERIFY LOCATION.
- PROVIDE TMV AT LAVATORY FOR CW AND 110 DEG. F (MAX) LTHW TO FAUCET. LOCATE TMV (NOT SHOWN) IN PROPER MAINTENANCE ACCESSIBLE AREA BELOW FIXTURE, OR AS REQUIRED.
- EXISTING EWH-1 LOCATED ON MEZZANINE ABOVE. VERIFY LOCATION. VERIFY ROUTING OF WATER PIPING THRU STRUCTURE.
- RISE WATER LINES THRU MEZZANINE TO FIXTURES. SEE P3.2. VERIFY LOCATION/ROUTING.
- PROVIDE BACKFLOW PREVENTER PER NCSBC-PLUMBING SECT. 608.3 (EX: ASSE 1024 (WATTS SERIES 7 OR EQUAL), ASSE 1022 (WATTS SERIES 50-3 OR EQUAL), ETC.), WHERE REQUIRED IF NOT AN INTEGRAL PART OF THE EQUIPMENT.
- EXTEND CW TO LAV AND PWH, HW (NOT SHOWN) FROM PWH TO LAV. VERIFY PWH LOCATION. SEE DETAIL ON P1.
- CONNECT FIXTURE TO EXISTING HW AND/OR CW IN AREA OF REMOVED UNIT. EXTEND/PROVIDE PIPING AS REQUIRED. VERIFY EXISTING LINE SIZE REQUIRED PER PIPE SIZING SCHEDULE- THIS SHEET. RE-PIPE FIXTURE SUPPLY TO NEAREST EXISTING HW AND/OR CW MAIN IF NECESSARY/AS REQUIRED.
- PROVIDE TMV AT LAVATORY FOR 110 DEG. F (MAX) LTHW ONLY TO SENSOR FAUCET. LOCATE TMV (NOT SHOWN) IN PROPER MAINTENANCE ACCESSIBLE AREA BELOW FIXTURE, OR AS REQUIRED.
- EXISTING EWH-2 LOCATED ON MEZZANINE ABOVE. VERIFY LOCATION. VERIFY ROUTING OF WATER PIPING THRU STRUCTURE. (SERVES EXISTING RESTROOM FIXTURES.)



1 FIRST FLOOR WATER PLAN
P3.1 SCALE: 3/16" = 1'-0"

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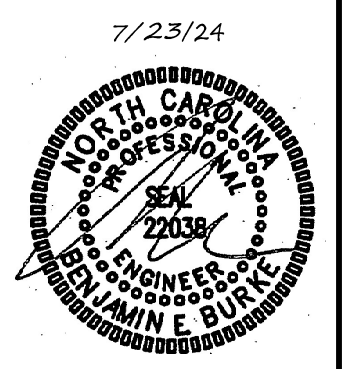
REMOVE ALL UNUSED CW AND HW LINES/STUB-OUTS, ETC., AND CAP LINES BEHIND FINAL FINISHES. REMOVE AND REPLACE ALL CONCRETE, ASPHALT, WALL MATERIAL, CEILINGS, ETC., AS REQUIRED TO LOCATE EXISTING LINES AND INSTALL NEW LINES. ALL EXISTING FIXTURES, ETC., MAY NOT BE SHOWN. COORDINATE WITH G.C., TENANT/BLDG. OWNER, AND ARCHITECT FOR ITEMS TO BE REMOVED.

COORDINATE WORK WITH BUILDING OWNER SO AS NOT TO IMPACT OPERATION OF ANY ADJACENT SPACES/LEVELS. NIGHT AND WEEKEND WORK MAY BE REQUIRED.

- KEY NOTES FOR SHEET P3.2
- EXISTING EWH-1 ON MEZZANINE LEVEL. VERIFY LOCATION. VERIFY PROPER CW CONNECTION. PROVIDE IF REQUIRED. VERIFY ROUTING OF WATER LINES.
 - PROVIDE TMV AT LAVATORY FOR CW AND 110 DEG. F (MAX) LTHW TO FAUCET. LOCATE TMV (NOT SHOWN) IN PROPER MAINTENANCE ACCESSIBLE AREA BELOW FIXTURE, OR AS REQUIRED.
 - WATER LINES DROP TO MAINS BELOW FLOOR. SEE SHEET P 3.1 VERIFY LOCATION/ROUTING.
 - EXISTING EWH-2 ON MEZZANINE LEVEL. VERIFY UNIT AND ALL ASSOCIATED COMPONENTS ARE IN PROPER WORKING CONDITION. REPLACE IF REQUIRED. (SERVES EXISTING RESTROOM FIXTURES.)



MEZZANINE LEVEL WATER PLAN
SCALE: 3/16" = 1'-0"



MEZZANINE LEVEL
WATER PLAN

24034

ISSUED: 7/23/2024
DWG BY: MRH
CKD BY: BEB

REVISIONS

SHEET NO.
P3.2

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- KEY NOTES FOR DRAWING 1/P4
- CONNECT TO EXISTING 4" (MIN.) SANITARY WASTE MAIN IN AREA. VERIFY LOCATION.
 - CONNECT TO EXISTING 3" VENT MAIN/VTR ABOVE CEILING. VERIFY LOCATION. PROVIDE NEW 3" VTR IF REQUIRED. VERIFY ROUTING THRU MEZZANINE/ROOF.
 - EXTEND 4" BUILDING DRAIN TO SEWER MAIN. COORDINATE WITH SITE UTILITIES.

(VERIFY ALL EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN)

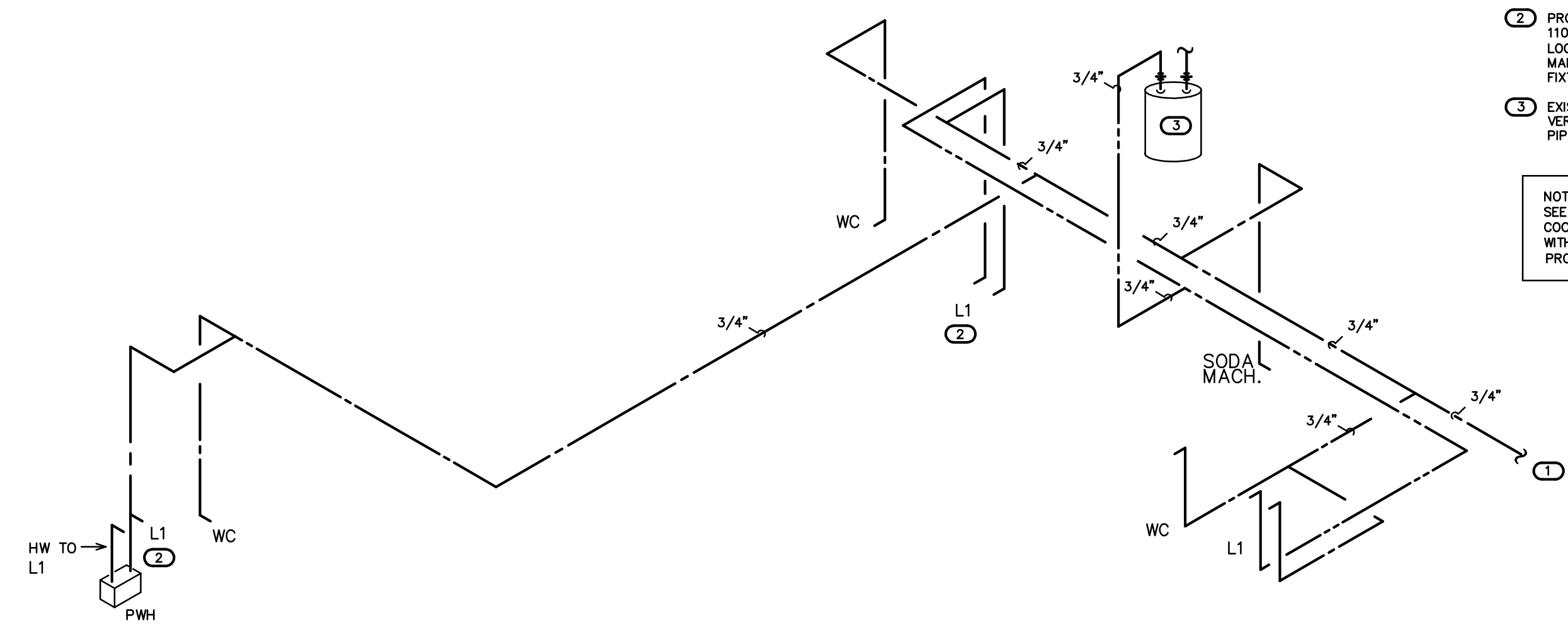
PIPE SIZING SCHEDULE				
FIXTURE TYPE	DRAIN	VENT	CW	HW
(FS-6 THRU 14) FLOOR SINK #6-14	2"	1-1/4"	-	-
(LAV) LAVATORY	1-1/2"	1-1/4"	1/2"	1/2"
SODA MACHINE	-	-	1/2"	-
(UR) URINAL	2"	1-1/4"	3/4"	-
(WC) FLUSH TANK WATER CLOSET	3"	1-1/2"	1/2"	-

* PROVIDE BACKFLOW PREVENTER PER NCSBC-PLUMBING SECT. 608.3, EX: ASSE 1024 (WATTS SERIES 7 OR EQUAL) ASSE 1023 (WATTS SERIES SD-3 EQUAL) ETC., WHERE REQUIRED IF NOT AN INTEGRAL PART OF THE EQUIPMENT.

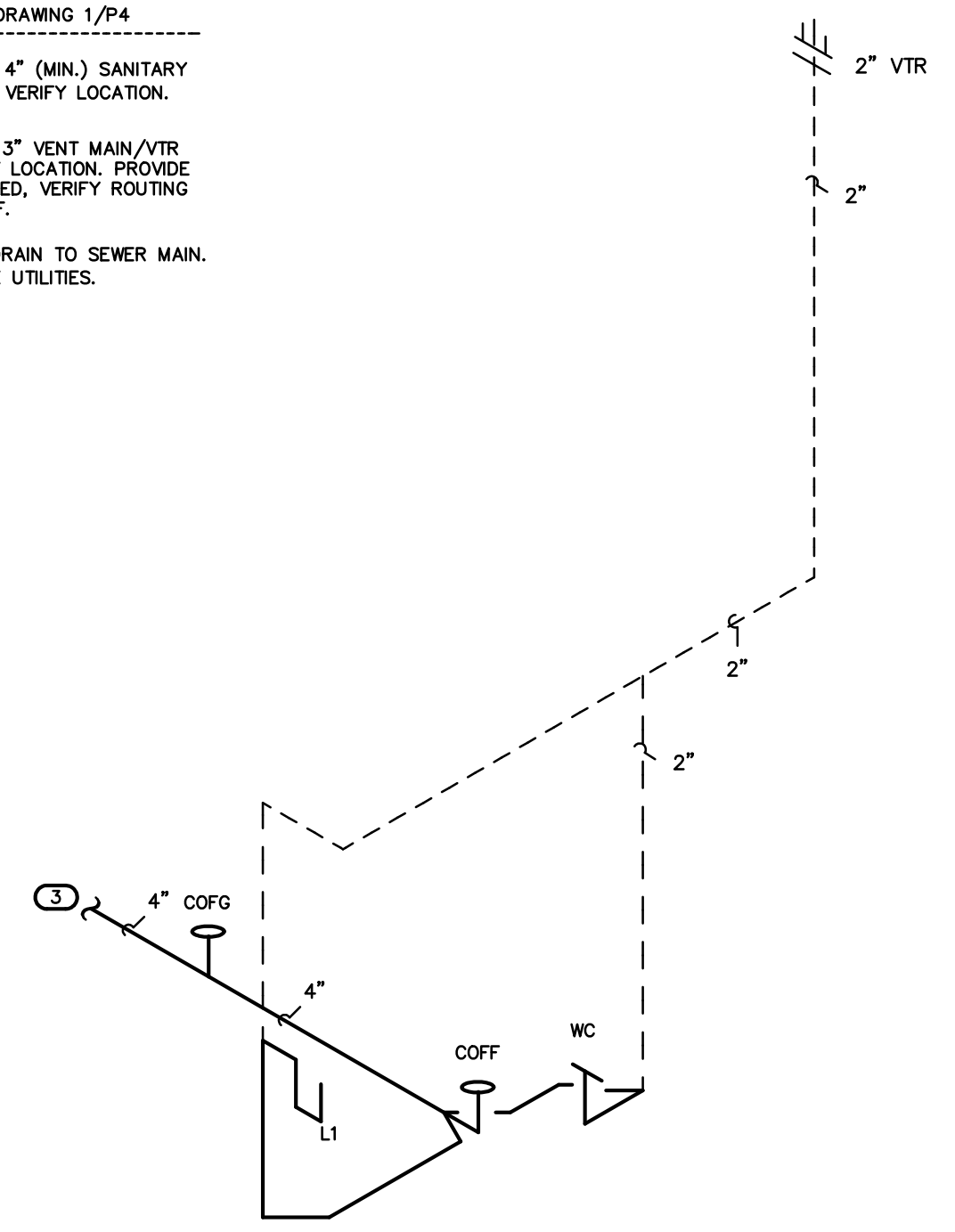
- KEY NOTES FOR DRAWING 2/P4
- CONNECT TO EXISTING 1" (MIN.) CW ABOVE CEILING OR AS REQUIRED. VERIFY LOCATION.
 - PROVIDE TMV AT LAVATORY FOR CW AND 110 DEG. F (MAX) LTHW TO FAUCET. LOCATE TMV (NOT SHOWN) IN PROPER MAINTENANCE ACCESSIBLE AREA BELOW FIXTURE, OR AS REQUIRED.
 - EXISTING EWH-1 LOCATED ON MEZZANINE ABOVE. VERIFY LOCATION. VERIFY ROUTING OF WATER PIPING THRU STRUCTURE.

NOTE:
SEE PLAN FOR SHUT-OFF VALVE LOCATIONS. COORDINATE LOCATION AND NUMBER WITH LOCAL INSPECTIONS DEPARTMENT. PROVIDE ACCESS DOORS IF REQUIRED.

NOTE:
PROVIDE PROPER VENT THRU ROOF (VTR). RUN HORIZONTALLY AS REQUIRED TO MAINTAIN 10'-0" CLEARANCE FROM ANY INTAKES. PROPERLY FLASH ANY ROOF PENETRATION. (TYP)

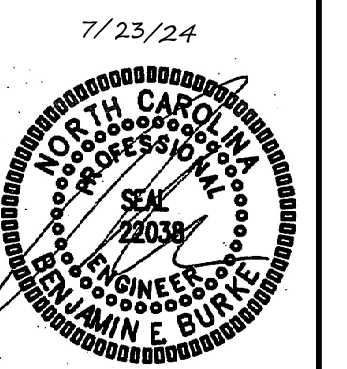


2 WATER RISER
P4.1 SCALE: 3/16" = 1'-0"



1 DWV RISER
P4.1 SCALE: 3/16" = 1'-0"

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DWV/WATER RISERS

24034

ISSUED: 7/23/2024
DWG BY: MRH
CKD BY: BEB

REVISIONS

SHEET NO.
P4.0

DUCTLESS SPLIT SYSTEM HEAT PUMP SCHEDULE	
DHP-1 OUTDOOR HEAT PUMP UNIT	MITSUBISHI MODEL #MXZ-2B20NA, 1.5 TON OUTDOOR HEAT PUMP UNIT, 18 SEER, 208 VOLT, 1 PHASE, CONDENSING UNIT 15A MCA, 20A MOCP. FAN COIL UNIT IS POWERED VIA FIELD PROVIDED WIRING FROM OUTDOOR UNIT. SERVES (2) INDOOR FAN-COIL UNITS (DFC-1.1, DFC-1.2).
DFC-1.1 DIRECT EXPANSION FAN COIL UNIT	MITSUBISHI MODEL #MSZ-GE09NA FAN COIL UNIT, NET COOLING CAPACITY = 6,000 BTUH, 145 CFM LO TO 400 CFM HI, 0.5 TON NOMINAL. PROVIDE WIRED PROGRAMMABLE THERMOSTAT, AND CONDENSATE PUMP. FAN MOTOR 0.76, FLA 208 VOLT, SINGLE PH.
DFC-1.2 DIRECT EXPANSION FAN COIL UNIT	MITSUBISHI MODEL #MSZ-GE12NA FAN COIL UNIT, NET COOLING CAPACITY = 12,000 BTUH, 145 CFM LO TO 400 CFM HI, 1 TON NOMINAL. PROVIDE WIRED PROGRAMMABLE THERMOSTAT, AND CONDENSATE PUMP. FAN MOTOR 0.76, FLA 208 VOLT, SINGLE PH.

* OR APPROVED EQUAL.

HVAC EQUIPMENT SCHEDULE	
AHU #1 DIRECT EXPANSION FAN COIL UNIT	CARRIER MODEL #FX4CNF037, 4 WAY, MULTIPPOSE FAN COIL UNIT, 6 KW HEATER. NOMINAL CAPACITY = 36,000 BTUH, 1200 CFM NOMINAL. PROVIDE HARD SHUT-OFF TVX VALVE. 3 TON NOMINAL. PROVIDE PROGRAMMABLE THERMOSTAT AND FILTER RACK WITH HINGED DOOR. 1/2HP, 4.1A MOTOR FLA, 28.9A HEAT FLA, 208V, 1 PH, 44.7A MCA, 45A MOCP AHU & HEAT.
HP #1 OUTDOOR HEAT PUMP UNIT	CARRIER MODEL #25HCC536A0030, 3 TON OUTDOOR HEAT PUMP UNIT, 15 SEER, PROVIDE CYCLE PROTECTOR, LOW PRESSURE SWITCH, CRANKCASE HEATER, 208 VOLT, 1 PHASE. COMP 16.7A FLA, FAN 1.2A FLA, OUTDOOR HEAT PUMP 22.1A MCA, 35A MOCP.

* OR APPROVED EQUAL.

AHU CONTROL NOTE:
FOR EACH AIR HANDLING UNIT PROVIDE "SIMPLE ENGINEERED SOLUTIONS" MODEL #HPDM-XX HEAT PUMP DEHUMIDIFICATION CONTROL MODULE. PROVIDE PROGRAMMABLE ELECTRONIC THERMOSTAT WITH AUTO CHANGEOVER AND HUMIDISTAT FUNCTION. THERMOSTAT SHALL BE COMPATIBLE WITH DEHUMIDIFICATION CONTROL MODULE. PURPOSE OF DEHUMIDIFICATION CONTROL MODULE IS TO INITIATE COOLING MODE WHEN HUMIDISTAT SENSES HUMIDITY OVER SETPOINT AND ENERGIZE AND CONTROL ELECTRIC HEAT TO MAINTAIN SPACE TEMPERATURE.

EXHAUST FAN SCHEDULE	
EXHAUST FAN #1 (EF-1)	CARNES MODEL# VCDD010C EXHAUST FAN, 93 CFM @ 1/4" SP, 640 RPM, 1.1 AMPS, 120V. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE SWITCH AND WIRE THE UNIT. THE HVAC CONTRACTOR SHALL PROVIDE UNIT, 6" RIGID DUCT TO WALL CAP. LOCATE EXHAUST TERMINATION A MINIMUM OF 10'-0" FROM ANY INTAKES.

* OR APPROVED EQUAL.

AIR DISTRIBUTION SCHEDULE							
MARK	* MANUFACTURER	MODEL NO.	NECK SIZE	FACE SIZE	MATERIAL	SERVICE	NOTES
A	CARNES	SPAB224	SEE FLEXIBLE DUCT SCHEDULE	24" X 24"	STEEL	SUPPLY	LAY-IN CEILING, WHITE 4-WAY BLOW
B	CARNES	SKSA40	12" DIA	15" X 15"	STEEL	SUPPLY	GYPSPUM BOARD CEILING, WHITE 4-WAY BLOW
C	CARNES	SKSA40	10" DIA	15" X 15"	STEEL	SUPPLY	GYPSPUM BOARD CEILING, WHITE 4-WAY BLOW
D	CARNES	SKSA40	8" DIA	12" X 12"	STEEL	SUPPLY	GYPSPUM BOARD CEILING, WHITE 4-WAY BLOW
E	CARNES	CTGB	48" X 4"	49" X 5"	ALUMINUM	SUPPLY	COLOR SELECTED BY ARCH. *** FLOOR MOUNTED LINEAR DIFFUSER
F	CARNES	SSEA	12" DIA	22" DIA	STEEL	SUPPLY	DUCT MOUNTED DIFFUSER COLOR SELECTED BY ARCHITECT
G	CARNES	RTDBH	6" X 6"	8" X 8"	STEEL	SUPPLY	DUCT, SIDE WALL, MOUNTED, WHITE
H	CARNES	RTDBH	10" X 6"	12" X 8"	STEEL	SUPPLY	DUCT, SIDE WALL, MOUNTED, WHITE
J	CARNES	RTDBH	12" X 6"	14" X 8"	STEEL	SUPPLY	DUCT, SIDE WALL, MOUNTED, WHITE
RA	CARNES	RSABH	24" X 24"	26" X 26"	STEEL	RETURN	WHITE, SIDEWALL MOUNTED
RB	CARNES	RSABH	48" X 36"	50" X 38"	STEEL	RETURN	WHITE, SIDEWALL MOUNTED
RC	CARNES	RSABH	12" X 8"	14" X 10"	STEEL	RETURN	WHITE, DUCT MOUNTED
RD	CARNES	RSABH	10" X 6"	12" X 8"	STEEL	RETURN	WHITE, DUCT MOUNTED
RE	CARNES	SPRB22	SEE FLEXIBLE DUCT SCHEDULE	24" X 24"	STEEL	RETURN	LAY-IN CEILING, WHITE
EA	CARNES	RATA	14" X 14"	16" X 16"	ALUMINUM	EXHAUST	GYPSPUM BOARD CEILING, WHITE

* OR APPROVED EQUAL.

*** PROVIDE LINED PLENUM BOX ON GRILLE OR DIFFUSER WITH ROUND CONNECTION FOR FLEXIBLE DUCT. COORDINATE BORDER TYPE WITH THE CEILING TYPE. SEE ARCH SHEETS PROVIDE CUT SHEETS TO OWNER/ARCH. PRIOR TO ORDERING.

FLEXIBLE DUCTWORK SIZES		
MAXIMUM CFM'S		
SIZES	SUPPLY	RETURN
4"	100	100
6"	175	175
10"	250	250
12"	400	350
14"	550	500
16"	950	900

FOR HIGHER CFM RATES FLEXDUCT SHALL MATCH EXISTING EXISTING ROUND DUCT SIZE

- ### FLEXIBLE DUCTWORK NOTES
- INSTALL FLEXIBLE DUCTWORK RUNS AS STRAIGHT AS POSSIBLE.
 - DO NOT ALLOW FLEXIBLE DUCT TO SAG BETWEEN SUPPORTS.
 - DO NOT STRETCH A SHORT SECTION TO FIT A SLIGHTLY LONGER SECTION. THIS DISTORTS THE DUCT SHAPE AND IMPEDES AIR FLOW.
 - DO NOT CRUSH DUCTWORK TO FIT IN A SPACE SMALLER THAN ITS ORIGINAL OUTSIDE DIAMETER. MAXIMUM ALLOWABLE DEFORMATION IS 15% OF ORIGINAL VOLUME.
 - USE RIGID 90 DEGREE ELBOWS AT ANY LOCATION WHERE THE DUCTWORK BECOMES DISTORTED.
 - EXTREME CARE SHALL BE TAKEN TO ELIMINATE ANY REDUCTION IN FLOW WITHIN THE FLEXIBLE DUCTS. THE MECH. CONTRACTOR WILL BE REQUIRED TO REPLACE THE FLEXIBLE DUCT WITH RIGID IF PROPER FLOW IS NOT OBTAINED.
 - SIZE ALL FLEXIBLE DUCT SO AS NOT TO EXCEED MAXIMUM CFM'S GIVEN IN TABLE.

GENERAL NOTES - MECHANICAL

- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE AND ALL LOCAL AND OTHER APPLICABLE CODES.
- ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE MECHANICAL CONTRACTOR (MC).
- ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMEN. THE MC SHALL COORDINATE ALL OF HIS WORK WITH THE GENERAL CONTRACTOR (GC) AND OTHER TRADES.
- THE LOCATION OF ALL DUCT, PIPING AND EQUIPMENT SHALL BE ADJUSTED TO ACCOMMODATE ANTICIPATED OR ENCOUNTERED INTERFERENCES.
- THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS REFER TO THE ARCHITECTURAL PLANS.
- THE MC SHALL BE RESPONSIBLE FOR ALL ELECTRICAL STARTERS INTERLOCKS, CONTROL WIRING CONDUIT AND POWER WIRING FROM DISCONNECTS TO HIS EQUIPMENT, USING A LICENSED ELECTRICIAN.
- THE MC SHALL USE FIRE DAMPERS FOR PROTECTION OF THE OPENING IN ACCORDANCE WITH STATE AND LOCAL CODES IN ALL LOCATIONS WHERE PENETRATIONS OF RATED WALLS AND FLOORS OCCUR. SEE ARCHITECTURAL PLANS FOR RATED WALL AND FLOOR LOCATIONS. PROVIDE ACCESS DOORS AT ALL DAMPER LOCATIONS. LOCATE DOORS FOR EASY ACCESS.
- INSTALL FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCTWORK AHU. ALL MECHANICAL EQUIPMENT SHALL OPERATE FREE OF OBJECTIONAL NOISE AND VIBRATION.
- INSTALL TURNING VANES IN SUPPLY DUCTS AT ALL ELBOWS AND SPLITTER DAMPERS. PROVIDE BALANCING DAMPERS IN ALL DUCTS WHERE SHOWN OR REQUIRED FOR SYSTEM BALANCING.
- DUCT DIMENSIONS ARE SHOWN INSIDE CLEAR.
- THE MC SHALL KEEP THE PREMISES CLEAR OF DEBRIS FROM HIS WORK DURING CONSTRUCTION AND LEAVE THE AREA AND BUILDING CLEAN AT THE COMPLETION OF HIS WORK. HE SHALL ALSO LEAVE CLEAN ALL EXPOSED EQUIPMENT IN HIS CONTRACT.
- PROVIDE ALL REQUIRED ROOF PENETRATIONS FOR THE INSTALLATION OF THE NEW EQUIPMENT. ALL FLASHINGS ARE BY THE MECHANICAL CONTRACTOR. ALL ROOFING WORK SHALL BE DONE BY A LICENSED ROOFING CONTRACTOR SO AS TO MAINTAIN ORIGINAL WARRANTY.
- THE M.C. SHALL COORDINATE WITH AND PROVIDE EQUIPMENT SPEC. SHEETS TO THE GENERAL AND ELECTRICAL CONTRACTORS FOR REVIEW PRIOR TO ORDERING EQUIPMENT.
- PROPERLY SUPPORT ALL DUCT WORK, AND EQUIP FROM STRUCTURE. PROVIDE ALL STRUCTURAL SUPPORTS FOR THE LOADS AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.

LEGEND - MECHANICAL

- RECTANGULAR DUCTWORK, INSIDE CLEAR DIMENSION INDICATED (WIDTH X HEIGHT)
- FLEXIBLE DUCTWORK
- ROUND GALVANIZED STEEL DUCT INSIDE CLEAR DIMENSION INDICATED.
- ITEMS TO BE REMOVED
- DUCT MOUNTED ON SIDE WALL SUPPLY AIR DIFFUSER
- DUCT MOUNTED ON SIDE WALL RETURN AIR GRILLE
- SUPPLY DIFFUSER
- RETURN GRILLE
- WALL MOUNTED THERMOSTAT (UNIT SERVED IS INDICATED)
- GRILLE TYPE
MIN. CFM
- DUCT TYPE SMOKE DETECTOR
- CONDENSATE PIPING
- REFRIGERANT PIPING

THEATER, LOBBY, STAGE

APPENDIX B

2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)
MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEM AND EQUIPMENT

Thermal Zone

winter dry bulb 16F
summer dry bulb 93F

Interior Design Conditions

winter dry bulb 72F
summer dry bulb 75F
relative humidity 50%

Building Heating Load (Phase 1 only) 289,500 BTU/hr

Building Cooling Load (Phase 1 only) 497,500 BTU/hr

Mechanical Spacing Conditioning System

Unitary - The building is served the following systems:

- (3) Exist. 10 Ton roof-top single package heat pump units.
- (1) Exist. 7.5 Ton roof-top single package heat pump unit.
- (1) New 3 Ton split system heat pump unit.
- (1) New 1.5 Ton ductless split system heat pump unit with (2) indoor fan-coil units.

Boiler - Not applicable to this project.

Chiller - Not applicable to this project.

Equipment efficiencies
Efficiencies and outputs are listed on equipment schedules - See drawings.

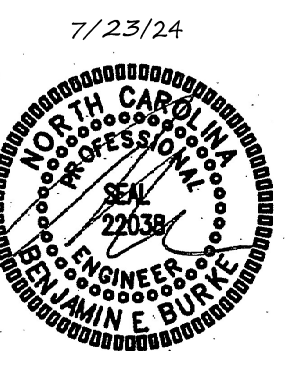
OA SCHEDULE							
OUTDOOR VENTILATION AIR PROVIDED PER TABLE 403.3 NCSBC MECHANICAL CODE.							
(THIS SCHEDULE IS FOR PHASE I ONLY - THEATER, LOBBY, STAGE AREAS)							
APPLICATION	SQUARE FOOTAGE	AREA OUTDOOR AIR FLOW RATE (CFM/SF)	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	OCCUPANCY DENSITY RATE (# PEOPLE/1000SF)	OCCUPANCY (# PEOPLE)	AREA OUTDOOR AIR FLOW (CFM)	PEOPLE OUTDOOR AIR FLOW (CFM)
STAGE	1137	0.06	10	70	30*	68	300
AUDITORIUM	4135	0.06	5	150	500**	248	2500
OFFICE	423	0.06	5	5	6	25	10
STORAGE	170	0.12	-	-	-	20	-
CORRIDOR	1417	0.06	-	-	-	85	-
TOTAL REQUIRED							3256
OUTDOOR AIR PROVIDED FROM EACH HVAC UNIT ***							
HVAC UNIT							
RTU-EX1 500							
RTU-EX2 950							
RTU-EX3 950							
RTU-EX4 900							
TOTAL PROVIDED 3300							
APPLICATION CFM							
TOILETS 70 CFM/FLUSHING FIXTURE							
12 FLUSHING FIXTURE X 70 CFM = 840 CFM							
EXHAUST PROVIDED BY ONE EXISTING & TWO NEW EXHAUST FANS, MAKE UP AIR BY TRANSFER AIR							

*** SET OUTDOOR AIR DAMPER CONTROLS TO PROVIDE OUTDOOR AIR AS INDICATED IN THIS SCHEDULE.

** ACTUAL OCCUPANCY PER BUILDING TENANT.

Coastal Architecture
Architectural Design Planning Interiors
AIA
Member of the American Institute of Architects
Lee D. Dixon, Jr., AIA
4206 Bridges St. Ext., Suite C
Morehead City, NC 28557
www.CoastalArchitecture.net

CARTERET COMMUNITY
THEATRE REPAIRS
MOREHEAD CITY, NORTH CAROLINA



REVISED HVAC PLAN

24034

ISSUED: 07/23/24

DWG BY: CLS

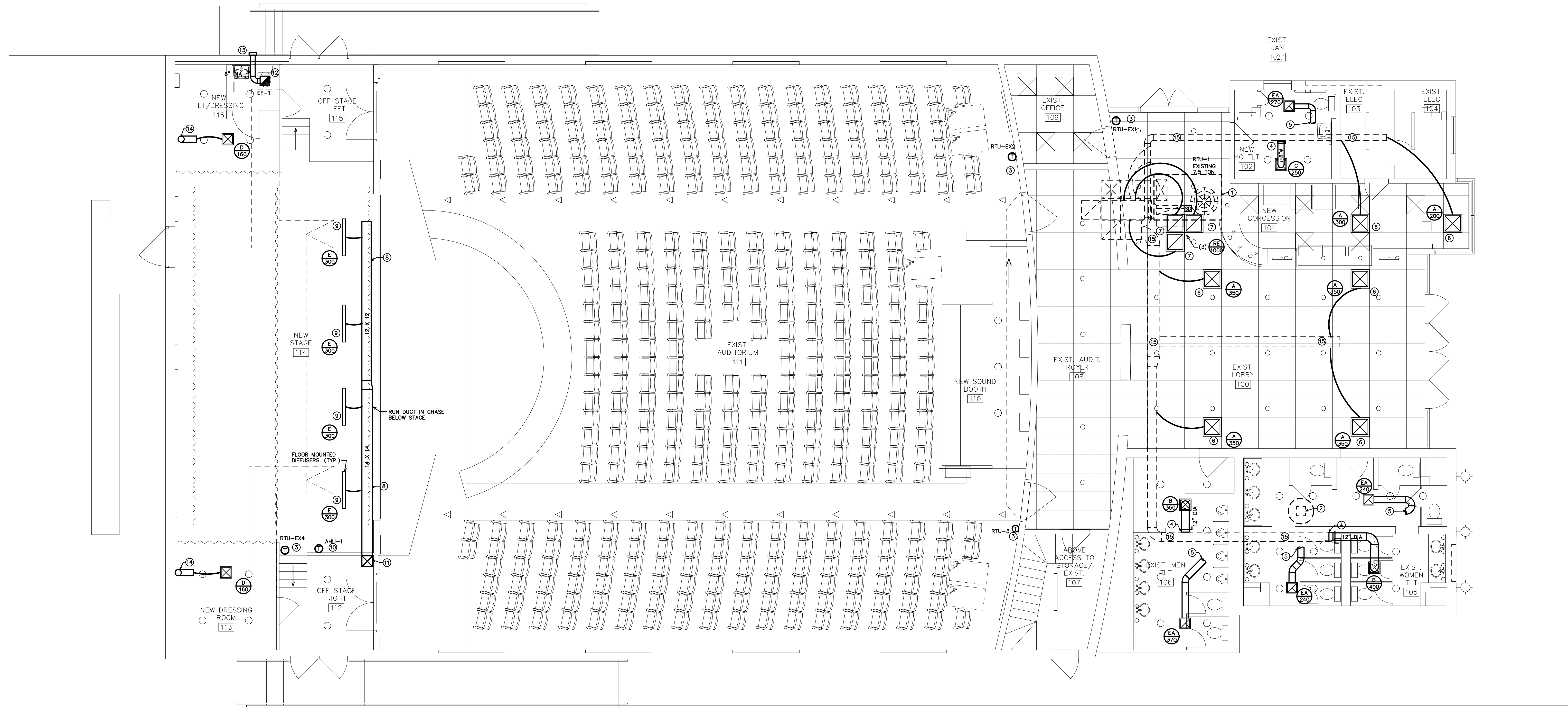
CKD BY: BEB

REVISIONS

SHEET NO.

M1.0

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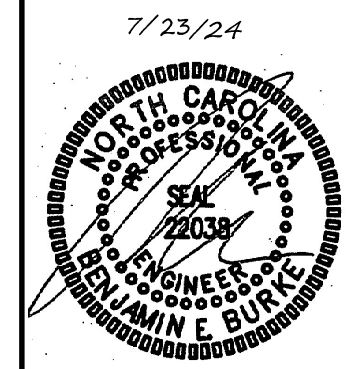
HVAC NOTES:
 EXISTING HVAC SYSTEMS SHALL REMAIN "AS-IS" UNLESS OTHERWISE INDICATED OR NOTED.
 SEE PREVIOUS HVAC RENOVATION DRAWINGS DATED 2/26/19 FOR PREVIOUSLY PERMITTED WORK. VERIFY IF INSTALLED OR NOT. IF NOT, PROVIDE FOR A COMPLETE OPERATING PROJECT. (TYPICAL.)

- KEY NOTES FOR M-2.0**
- 1 EXISTING ROOF-TOP SINGLE PACKAGE UNIT HEAT PUMP UNIT TO REMAIN.
 - 2 EXISTING ROOF MOUNTED TOILET EXHAUST FAN TO REMAIN.
 - 3 NEW LOCATION FOR EXISTING THERMOSTAT. MOUNT AT 48" AFF.
 - 4 CONNECT NEW SUPPLY AIR DUCT TO EXISTING SUPPLY AIR DUCT.
 - 5 CONNECT NEW EXHAUST DUCT TO EXISTING EXHAUST DUCT. MATCH SIZE OF EXISTING DUCT. SEE 1/M-2.1 FOR CONTINUATION.
 - 6 NEW SUPPLY AIR DIFFUSER. CONNECT FLEXIBLE DUCT TO EXISTING RECTANGULAR SUPPLY AIR DUCT.
 - 7 NEW RETURN AIR GRILLE. CONNECT FLEXIBLE DUCT TO EXISTING RECTANGULAR RETURN AIR DUCT.
 - 8 RUN NEW SUPPLY AIR DUCT IN CHASE BELOW STAGE. DUCT SHALL HAVE INTERNAL DUCT LINER INSULATION.
 - 9 LINEAR FLOOR REGISTER. PROVIDE 6"-0" MIN FLEXIBLE DUCT TO REGISTER.
 - 10 MOUNT NEW THERMOSTAT AT 48" AFF. COORDINATE EXACT LOCATION WITH OWNER.
 - 11 14 X 14 SUPPLY AIR DUCT UP IN CHASE TO MEZZANINE. DUCT SHALL HAVE INTERNAL DUCT LINER INSULATION. SEE 1/M-2.1 FOR CONTINUATION.
 - 12 NEW CEILING CABINET EXHAUST FAN.
 - 13 NEW WALL EXHAUST CAP. EXHAUST DISCHARGE SHALL BE 10'-0" MIN. FROM ANY OUTSIDE AIR INTAKE.
 - 14 8" DIA. SUPPLY AIR DUCT UP TO MEZZANINE LEVEL. SEE 1/M-3.2 FOR CONTINUATION.
 - 15 EXISTING RECTANGULAR RIGID SUPPLY AIR DUCT CONCEALED ABOVE NEW SUSPENDED ACOUSTICAL CEILING AND RUNNING THROUGH UPPER LEVEL STORAGE SPACES.

1 NEW FIRST FLOOR PLAN
 SCALE: 3/16" = 1'-0"



CARTERET COMMUNITY THEATRE REPAIRS
 MOREHEAD CITY, NORTH CAROLINA



REVISED HVAC PLAN

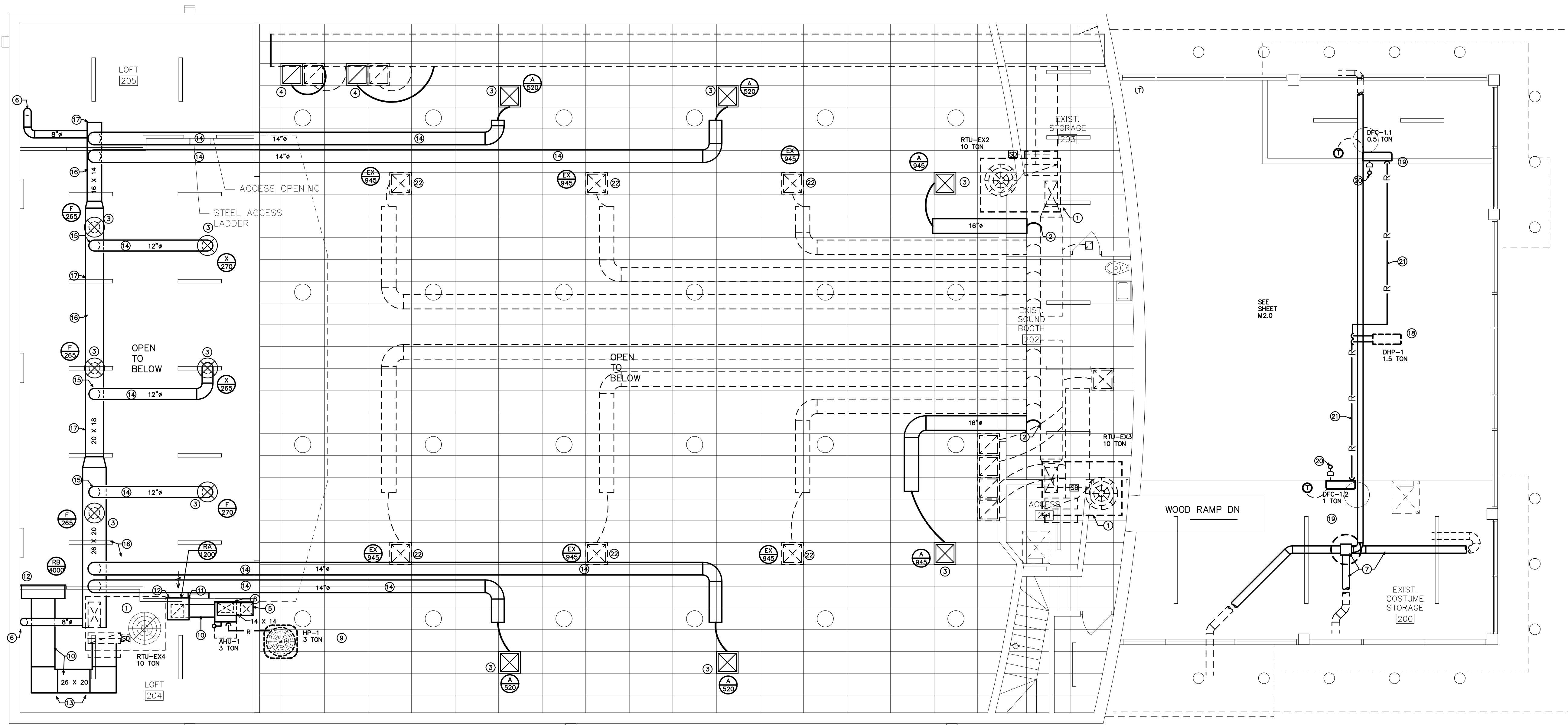
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NO.	REVISIONS

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SHEET NO.
M2.0



HVAC NOTES:
EXISTING HVAC SYSTEMS SHALL REMAIN "AS-IS" UNLESS OTHERWISE INDICATED OR NOTED.
SEE PREVIOUS HVAC RENOVATION DRAWINGS DATED 2/26/19 FOR PREVIOUSLY PERMITTED WORK. VERIFY IF INSTALLED OR NOT. IF NOT, PROVIDE FOR A COMPLETE OPERATING PROJECT. (TYPICAL)

- KEY NOTES FOR M-3.2
- 1 EXISTING ROOF-TOP SINGLE PACKAGE UNIT HEAT PUMP UNIT TO REMAIN.
 - 2 CONNECT NEW SUPPLY AIR DUCT TO EXISTING SUPPLY AIR DUCT.
 - 3 NEW SUPPLY AIR DIFFUSER.
 - 4 NEW LOCATION FOR EXISTING RETURN AIR GRILLE. CONNECT FLEXIBLE DUCT TO EXISTING RECTANGULAR RETURN AIR DUCT.
 - 5 14 X 14 SUPPLY AIR DUCT DOWN IN CHASE TO FIRST. DUCT SHALL HAVE INTERNAL DUCT LINER INSULATION. SEE 1/M-3.1 FOR CONTINUATION.
 - 6 8" DIA. SUPPLY AIR DUCT DOWN TO FIRST FLOOR. SEE 1/M-3.1 FOR CONTINUATION.
 - 7 EXISTING ROOF-TOP EXHAUST FAN CONNECTED TO DUCTWORK TO NEW EXHAUST GRILLES IN BATHROOMS. SEE DETAIL 1/M2.0 FOR CONTINUATION.
 - 8 NEW VERTICAL AIR HANDLING UNIT. SEE DETAIL 2/M-4.
 - 9 NEW OUTDOOR HEAT PUMP UNIT MOUNTED ON ROOF. UNIT SHALL BE 6'-0" MIN FROM EDGE OF ROOF.
 - 10 ALL RETURN AIR DUCT SHALL HAVE INTERNAL DUCT INSULATION.
 - 11 BOTTOM OF RETURN AIR GRILLE SHALL BE 5'-0" ABOVE MEZZANINE FLOOR.
 - 12 HIGH SIDE WALL MOUNTED RETURN AIR GRILLE.
 - 13 RETURN AIR DUCT SHALL HAVE TURNS AS INDICATED FOR SOUND TRAP. RUN DUCT OVERHEAD AS IN MEZZANINE LOFT AREA.
 - 14 RUN NEW SUPPLY AIR DUCTS ABOVE CEILING THROUGH ROOF JOIST.
 - 15 CONNECT ROUND DUCTS TO DIFFUSERS TO TOP OF RECTANGULAR TRUNK DUCT.
 - 16 ALL SUPPLY AIR DUCT WORK SHALL HAVE INTERNAL DUCT LINER INSULATION.
 - 17 RUN SUPPLY DUCT TRUNK AS HIGH AS POSSIBLE. COORDINATE LOCATION WITH ALL STAGE LIGHTING, CURTAINS, EQUIPMENT, ETC.
 - 18 NEW DUCTLESS SPLIT SYSTEM OUTDOOR HEAT PUMP UNIT MOUNTED ON ROOF. UNIT SERVES (2) INDOOR FAN-COIL UNITS.
 - 19 NEW WALL MOUNTED DUCTLESS SPLIT SYSTEM INDOOR FAN COIL UNIT. MOUNT WITH TOP AT 12" BELOW CEILING. COORDINATE FINAL LOCATION WITH OWNER.
 - 20 RUN PUMPED CONDENSATE TO ROOF.
 - 21 RUN PIPING ABOVE THE CEILING.
 - 22 BALANCE EXISTING SUPPLY AIR DIFFUSER TO INDICATED AIR FLOW.

1 NEW MEZZANINE FLOOR PLAN
SCALE: 3/16" = 1'-0"

DIVISION 15 B - HEATING, VENTILATING AND AIR CONDITIONING

1.1 DESCRIPTION OF THE WORK

- A. Work under this section includes, but is not necessarily limited to, furnishing and installing the following:
 1. Heating, ventilation, and air conditioning equipment.
 2. Ductwork.
 3. Grilles and diffusers.
 4. Controls and control wiring.
 5. Condensate piping.
- B. All work under this contract shall be installed in compliance with the latest edition of the following codes and standards insofar as they apply:
 1. ASHRAE Guide.
 2. National Electric Code.
 3. 2018 NC State Building Code: Mech. Code.
 4. The Electrical Specifications for this project.
 5. SMACNA HVAC Duct Construction Standards.
 6. All local codes and ordinances.
 7. ARI ratings.
 8. 2018 NC State Building Code: Energy Conservation Code.
- C. These codes are minimum standards. If codes require a more stringent method of construction than the specifications require, the codes shall govern.
- D. The HVAC Contractor shall be licensed in North Carolina and have all local licenses required for the work.

1.2 INTENT

- A. The intent of these specification and the accompanying drawing is to convey as reasonably as possible the requirements for a complete job ready for the building to operate. The HVAC Contractor shall take this into consideration and include in his bid allowance for contingencies as will allow him to provide minor pieces of equipment and labor not specifically indicated but required for the job to operate properly, at no additional cost to the Owner.

1.3 COORDINATION

- A. Coordinate work with other contractors. Notify Owner of apparent conflicts early to expedite construction. If structural damage appears imminent, stop work and notify Owner for a decision before resuming operations.
- B. Locations shown are approximate. The HVAC Contractor shall verify with owner, the placement of equipment, fixtures, outlets, etc. The drawings do not give exact details as to elevations and locations of various pipes, fittings, ducts, conduit, etc., and do not show all offsets and other installation details which may be required.
- C. Changes in duct or piping design caused by obstructions shall be submitted to Engineer in sketch form for study and comment prior to execution. Additional cost will not be allowed for this type of work.

1.4 SHOP DRAWINGS

- A. Shop drawings shall be submitted for all major items of equipment. These may consist of the manufacturer's standard catalog or tear sheets and shall have the exact items being offered clearly identified. Shop drawings shall include but are not limited to the following:
 1. All equipment and accessories.
 2. Grilles and diffusers.
 3. Unit sizes and requirements.

PART 2 - PRODUCTS

2.1 EQUIPMENT

- A. All air handling devices must have the manufacturer's recommended filter rack, for 1" thick filters.

2.2 PIPING

- A. Condensate drain piping shall be PVC pipe. Provide tee and plug at changes in direction. Route pipe to proper termination point. All condensate piping shall be insulated with flexible elastomeric insulation. Provide copper piping in plenum areas.

2.3 DUCTWORK

- A. Ductwork shall be built in accordance with SMACNA HVAC Duct construction standards. Furnish and install all supply, return, and ventilation ductwork shown, together with splitters, deflectors, dampers, etc. This work shall be constructed of new galvanized prime grade steel sheets. The gauges of metal to be used and the construction and bracing of joints shall be in accordance with the SMACNA recommendations.
- B. Seal all sheet metal joints with fiber impregnated mastic.
- C. Support from building structure on strap hangers not over 8 feet apart.
- D. Use manufactured turning vanes in each elbow where required or where indicated on drawings.
- E. Flexible connectors shall be 3 inches wide, of fireproof material and used to isolate noise between equipment and ductwork on supply and return side of all units.
- F. Round runouts, where used, shall be built in accordance with the above standards, and each runout shall also have manufactured side take off, adjustable quadrant damper in order to prevent sags. Serpentine routing will not be permitted. Quadrant damper to be 22 gauge easily adjustable manually with exterior handle (similar to HxC Kwik-set) and is not to be mounted in side take-off.

2.4 DUCT INSULATION (LOW PRESSURE)

- A. All insulation, linings, coverings and adhesives shall have a flame spread classification of 25 or less and a smoke developed rating of not more than 50, exposed exterior piping.
- B. All duct insulation shall comply with Section 604, of the N. C. Building Code: Mechanical Code
- C. All supply and return ductwork shall be completely insulated, either internally or externally.
- D. Rectangular ductwork shall be lined with two-inch thick, 1.5 lb. per cubic foot density, duct liner, Armstrong, CSG Ultraliner, Johns Manville or approved equal.
- E. As an alternative to duct liner rectangular duct may be wrapped with Class 1 - 2", 3/4 lb. density (R-5.5) thick reinforced foil back fiberglass insulation, Owens-Corning Series ED or equal. Tape shall be Kraft reinforced foil tape or equal.
- F. Exhaust air ducts shall be insulated per "E" above.
- G. Insulation shall be held in place with adhesive and welding pins 16" on center.
- H. Duct dimensions shown on the drawings are Net Inside Dimensions

2.5 THERMOSTATS

- A. Provide programmable electronic thermostats.
- B. Submit proposed thermostats for approval.

2.6 ROOF PENETRATIONS

- A. Provide pre-manufactured roof flashings compatible with equipment served.
- B. Coordinate roof work with roof system used. Provide proper flashing as required.
- C. Provide 1 year warranty on all roof work performed.

2.7 DUCT SMOKE DETECTORS

- A. Install duct mounted smoke detector in new roof top unit RTU-4 only. The duct smoke detector shall be supplied and wired by the mechanical Contractor. Provide access doors and wire to unit for unit shut-down. Install per code. Provide monitoring module for connection to existing fire alarm system.
- B. Duct detector is not required for new RTU-5 since unit air flows IS 2000 cfm or less per NCSBC; Mechanical Code, Section 606.2.
- C. Duct detectors are existing in RTU-1, RTU-2, and RTU-3.

PART 3 - EXECUTION

3.1 PIPING

- A. The HVAC Contractor shall coordinate such routing with others, to line his work true to adjacent spaces and in a workmanlike manner and to use only short radius 90 degree elbows. Where required, piping to be sturdily supported and separated in a manner satisfactory to the Engineer.
- B. The HVAC Contractor shall paint all exterior refrigerant piping, with UV resistant paint as recommended by the closed cell insulation manufacturer.
- C. Insulate all condensate lines for their entire length with 1/2" closed cell insulation. Install insulation per the manufacturers recommendations.

3.2 ELECTRICAL WORK

- A. The electrical contractor shall provide all switches, starters, wire conduit for the air conditioning, heating and ventilation equipment. Control wiring shall be by the heating and air conditioning contractor.
- B. HVAC Contractor is responsible for verifying that power terminals have been properly grounded prior to operating equipment and must find connections to all equipment including control wiring.
- C. All materials and workmanship shall be in accordance with the electrical specifications for the project. All wiring shall be color coded, and as-built wiring diagram prepared showing all connections and colors of wiring and delivered to the Owner.
- D. Furnish certification for acceptance of control wiring from local electrical inspector prior to acceptance.

3.3 CLEAN UP

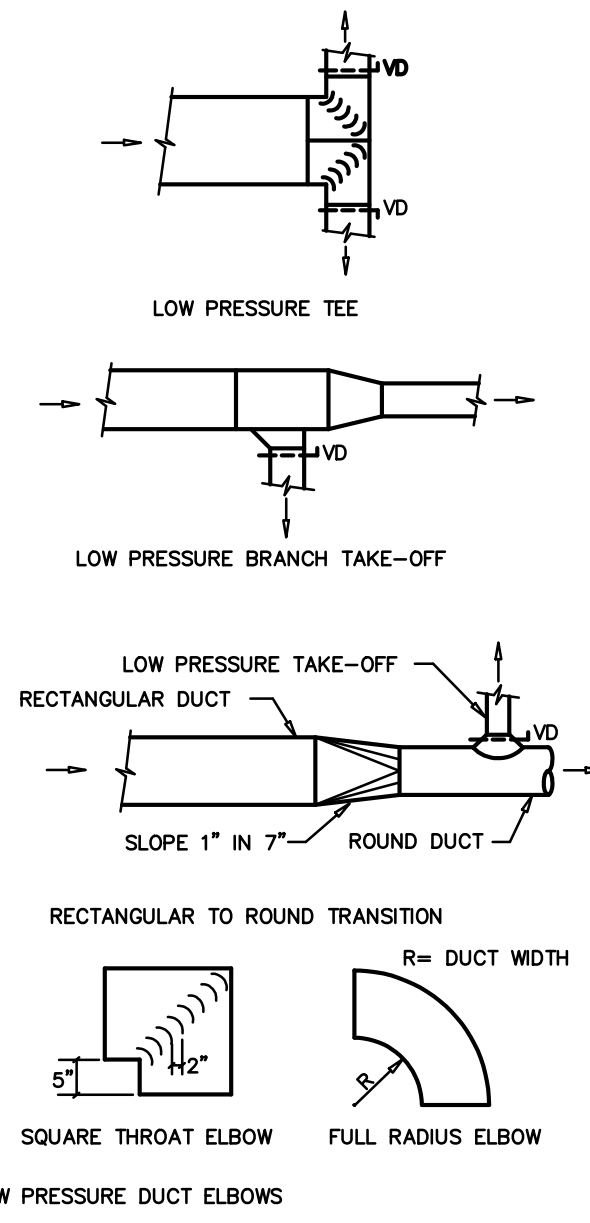
- A. During construction, keep the site clean of debris. Upon completion, and before final inspection, clean up the premises to remove all evidence of work. In addition upon completion of construction leave equipment clean.
- B. Furnish one box of clean filters, for each size required, at the time of final inspection to the owner.

3.4 OPERATOR'S MANUAL AND DIAGRAM

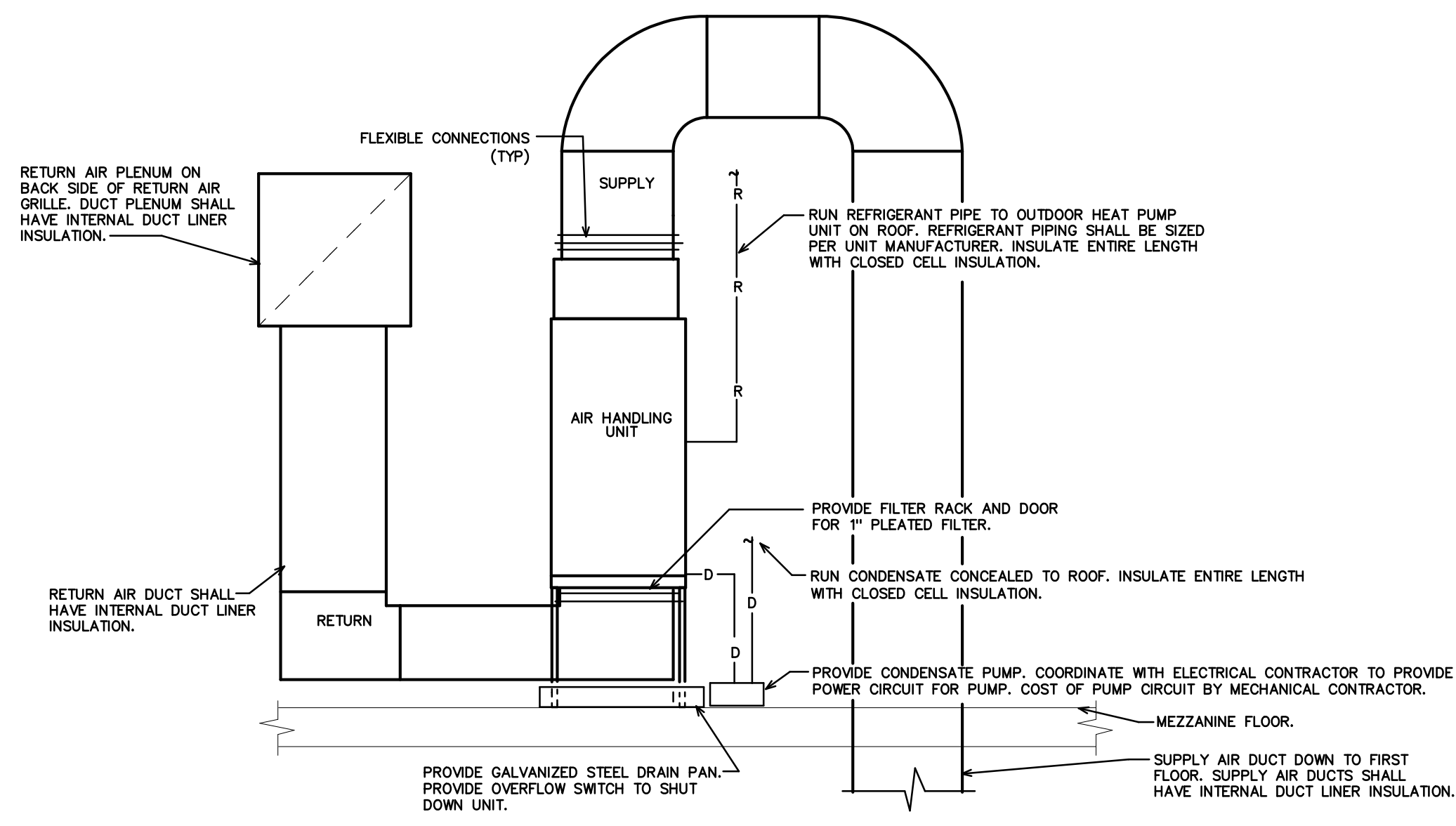
- A. The HVAC Contractor shall prepare in one copy a manual describing the proper maintenance and operation of the systems. This manual shall not consist of standard factory instructions (although these may be included) but shall be prepared to describe this particular job.
- B. The manual shall be bound, indexed, dated and signed by the HVAC Contractor.
- C. Qualified representative of the HVAC contractor shall meet with the designated representatives of the Owner and the Owner's representative shall be instructed in the proper operation and maintenance of the control system and other systems.

3.5 GUARANTEE

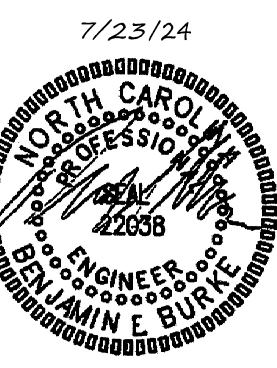
- A. Guarantee all materials and labor included in the HVAC work for a period of one year from date of final acceptance by the owner. In addition, motor compressors shall be a non-rated five year warranty. Any part or parts of the work or equipment which prove to be defective during the guarantee period shall be replaced at no additional cost to the owner or tenant.
- B. All air flows must be measured and balanced to within 10% of design airflow. All equipment used must have a current certification. Provide two copies of the balance report to the owner at closeout. The HVAC contractor shall return and re-balance to occupant comfort after 90 days from close-out. Provide all balance dampers needed for satisfactory operation regardless if shown on the drawings or not, and shift location of thermostats if required for occupancy comfort.



2 DUCT CONSTRUCTION DETAILS
SCALE: NOT TO SCALE



2 VERTICAL AIR HANDLING UNIT DETAIL
SCALE: NOT TO SCALE



REVISED HVAC PLAN

24034

ISSUED: 07/23/24
DWG BY: CLS
CKD BY: BEB

REVISIONS

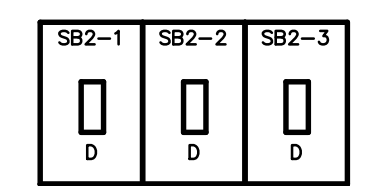
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LIGHTING SCHEDULE *

MARK	MANUFACTURER	CATALOG NO.	VOLT.	LAMPS		BALLAST	W/ FIXTURE	REMARKS
				NO.	TYPE			
A2	COLUMBIA	SRP22-35ML-G-EDU	120	-	LED	-	30	LED 2X2 LAY-IN FIXTURE, FOOD GRADE LENS
C	PRESCOLITE	LTR-6RD-H-H-ML20L-DM1-LTR-6RD-T-ML35K8MD	120	-	LED	-	23	LED 6" RECESSED CAN LIGHT, WET LOCATION (EXT)
C2	PRESCOLITE	LBRP-M-L5-SL-CS9-WD-LBRP-8RD-T-D	120	-	LED	-	19	LED 8" RECESSED CAN LIGHT, WET LOCATION (EXT)
C3	ASPECT	AL-RL-D-2-U-120	120	-	LED	-	3	LED 2" RECESSED LIGHT, COLOR/FINISH BY ARCH
C4	PRESCOLITE	LTR-6RD-H-H-ML20L-DM1-LTR-6RD-T-ML35K8MD	120	-	LED	-	23	LED 6" RECESSED CAN LIGHT
D	COLUMBIA	MPS4-35HL-CW-EDU	120	-	LED	-	42	4' LED STRIP LIGHT, SURFACE-MOUNT
D2	COLUMBIA	MPS8-35HL-CW-EDU	120	-	LED	-	84	8' LED STRIP LIGHT, SURFACE-MOUNT
E	COMPASS	CUSO	120	-	LED	-	17	EMERGENCY EGRESS FIXTURE - DUAL MODE, NORMAL AND EMERGENCY OPERATION
F	EXO	SG1-20-3K7-FT-UNV-DBT	120	-	LED	-	21	EXTERIOR LED WALL PACK, COLOR/FINISH BY ARCH
H	HOUSE	(CHOSEN BY ARCH; PROVIDED BY EC)	120	-	LED	-	50	DIMMABLE LED HOUSE LIGHTING (THEATER), \$400/EACH ALLOWANCE
L	AISLE	(CHOSEN BY ARCH; PROVIDED BY EC)	120	-	LED	-	10	LED AISLE LIGHTING (THEATER), \$250/EACH ALLOWANCE
R	JESCO	DL-AC-FLEX2-LNB-RGBW	120	-	LED	-	4.3W/FT	FLEXIBLE LINEAR LED ROPE LIGHTING, PROVIDE DIMMABLE CONTROLLER, COLOR BY ARCH
S	SCONCE	(CHOSEN BY ARCH; PROVIDED BY EC)	120	-	LED	-	30	LED DECORATIVE SCONCE LIGHT, \$350/EACH ALLOWANCE
S2	SCONCE	(CHOSEN BY ARCH; PROVIDED BY EC)	120	-	LED	-	30	LED GOOSENECK (RLM) SCONCE LIGHT, WET LOCATION (EXT), \$500/EACH ALLOWANCE
V	VANITY	(CHOSEN BY ARCH; PROVIDED BY EC)	120	-	LED	-	60	LED VANITY LIGHT (RESTROOM), \$500/EACH ALLOWANCE
EXIT	EXITRONIX	S900U-WB-SR-R-AG-G2	120	-	LED	-	-	EXIT LIGHT, COLOR/FINISH BY ARCH
EXIT	EXITRONIX	S900C-R-R-AG-G2	120	-	LED	-	-	COMBINATION EMERGENCY/EXIT LIGHT, COLOR/FINISH BY ARCH
EXIT	COMPASS	CU2HLHO	120	-	LED	-	-	EMERGENCY LIGHT, COLOR/FINISH BY ARCH

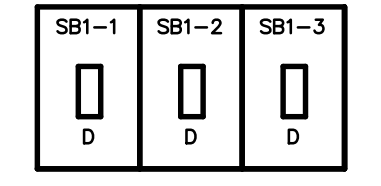
* OR APPROVED EQUAL. PROVIDE CUT SHEETS FOR OWNER APPROVAL PRIOR TO ORDERING FIXTURES.
CATALOG NUMBERS ARE FOR REFERENCE ONLY; ACTUAL NUMBERS MAY VARY.
"EF" DENOTES ELECTRONIC BALLAST. "ED" DENOTES ELECTRONIC DIMMING BALLAST.
THE EMERGENCY LIGHTS AND EXIT SIGNS MUST HAVE INTEGRAL BATTERIES, CHARGERS AND TEST SWITCHES.



SB2-1 AUDITORIUM HOUSE
SB2-2 AUDITORIUM LED TAPE LIGHT
SB2-3 STAGE LED TAPE LIGHT

LABEL ALL SWITCHES AS TO FUNCTION
NOTE: SWITCHES MAY BE STACKED
(D) DENOTES OPTIONAL DIMMING CAPABILITY

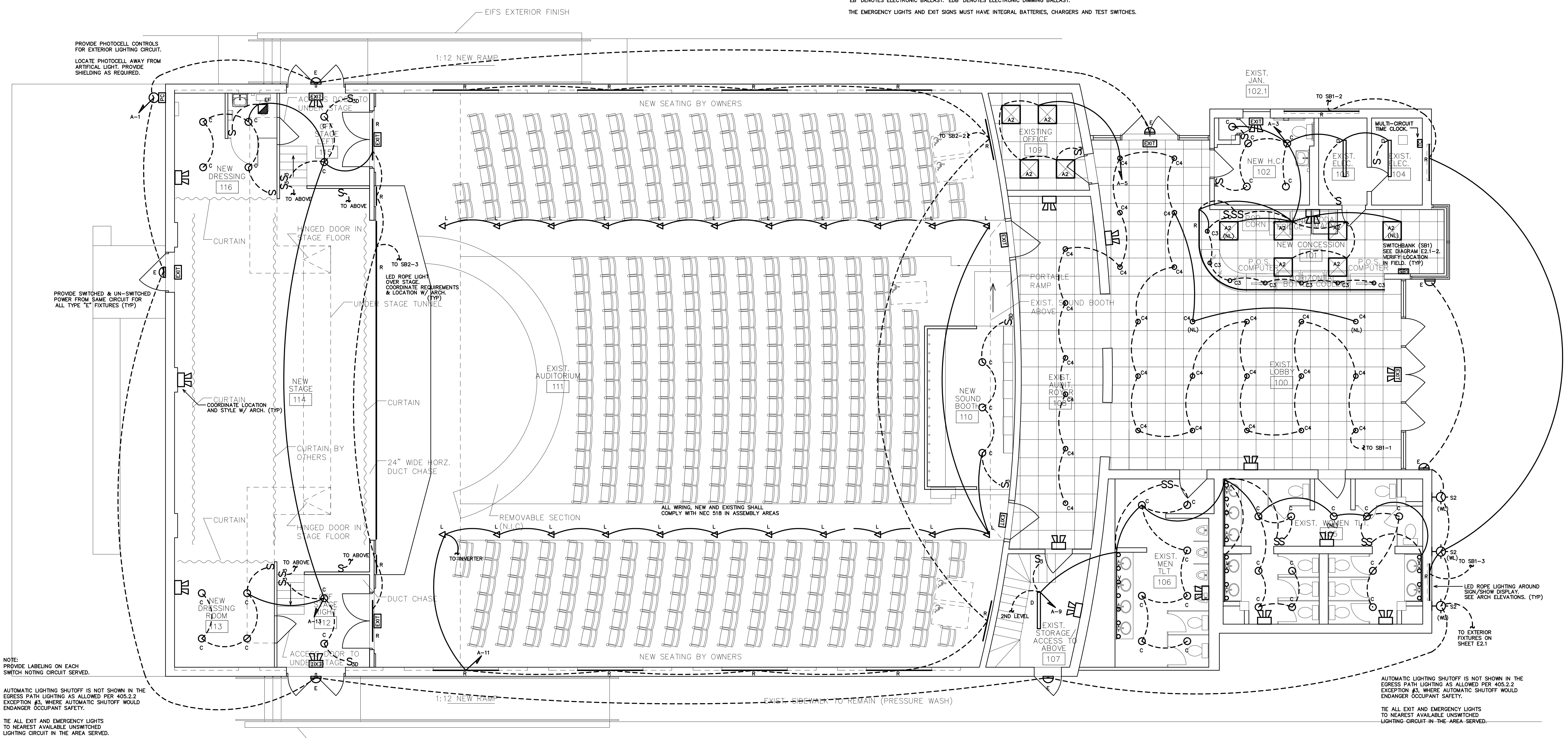
3
E2.1 SWITCHBANK (SB2)
SCALE: NTS



SBI-1 RECESSED ENTRY LOBBY
SBI-2 LED TAPE LIGHT, SHOW DISPLAY
SBI-3 LED TAPE LIGHT, MEZZ WINDOWS

LABEL ALL SWITCHES AS TO FUNCTION
NOTE: SWITCHES MAY BE STACKED
(D) DENOTES OPTIONAL DIMMING CAPABILITY

2
E2.1 SWITCHBANK (SBI)
SCALE: NTS



NOTE: PROVIDE LABELING ON EACH SWITCH NOTING CIRCUIT SERVED.

AUTOMATIC LIGHTING SHUTOFF IS NOT SHOWN IN THE EGRESS PATH LIGHTING AS ALLOWED PER 405.2.2 EXCEPTION #3, WHERE AUTOMATIC SHUTOFF WOULD ENDANGER OCCUPANT SAFETY.

TIE ALL EXIT AND EMERGENCY LIGHTS TO NEAREST AVAILABLE UNSWITCHED LIGHTING CIRCUIT IN THE AREA SERVED.

VERIFY HEIGHT/LOCATION OF ALL SWITCHES AND DEVICES PRIOR TO INSTALLATION.

1
E2.0 NEW FIRST FLOOR LIGHTING PLAN
SCALE: 3/16" = 1'-0"

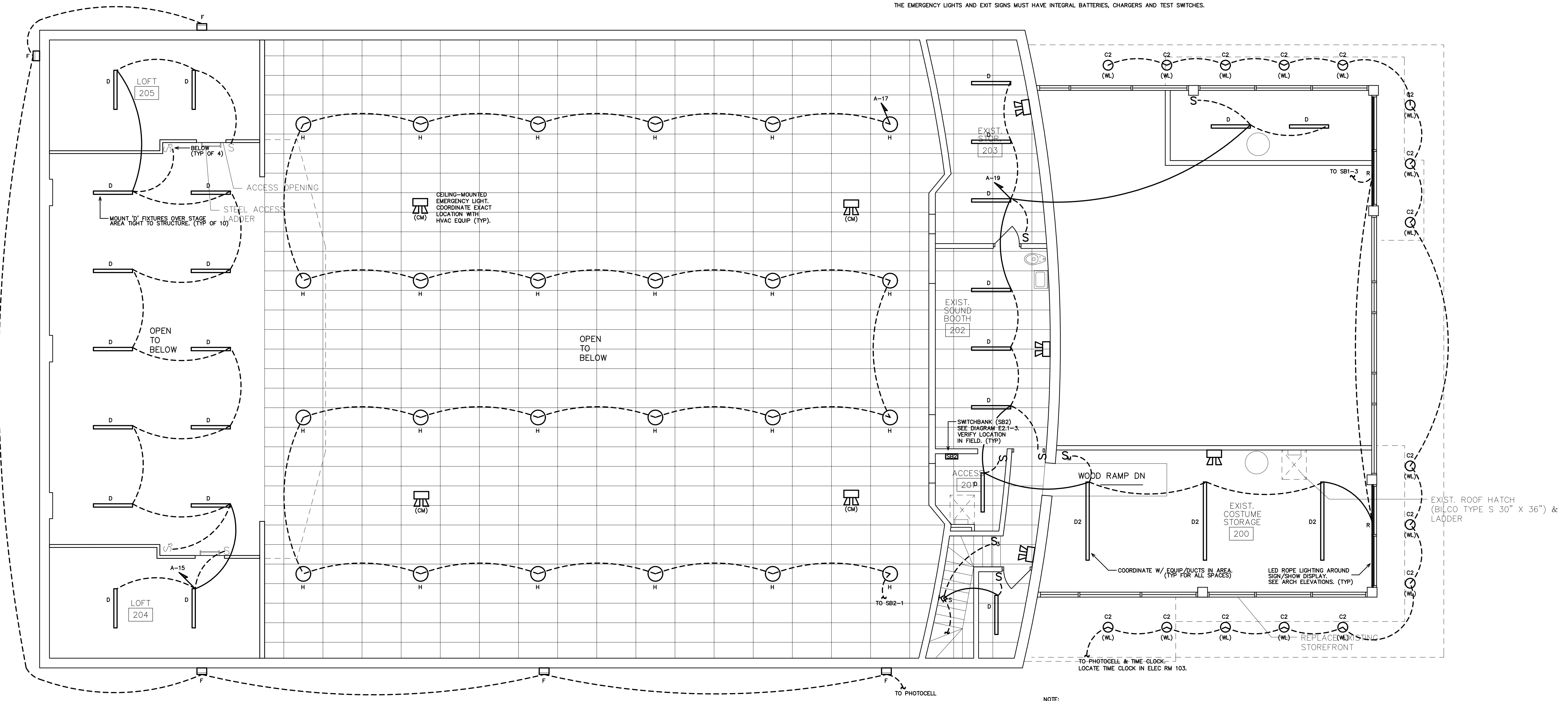
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Carteret Theatre - Redesign E2.1

LIGHTING SCHEDULE *									
MARK	MANUFACTURER	CATALOG NO.	VOLT.	LAMPS NO.	LAMP TYPE	BALLAST TYPE	W/ FIXTURE	REMARKS	
A2	COLUMBIA	SRP22-35ML-G-EDU	120	LED	-	-	30	LED 2X2 LAY-IN FIXTURE, FOOD GRADE LENS	*
C	PRESCOLITE	LTR-6RD-H-ML20L-DM1-LTR-6RD-T-ML35K8MD	120	LED	-	-	23	LED 6" RECESSED CAN LIGHT, WET LOCATION (EXT)	*
C2	PRESCOLITE	LBRP-M-LS-SL-CS9-WB-LBRP-6RD-T-D	120	LED	-	-	19	LED 8" RECESSED CAN LIGHT, WET LOCATION (EXT)	*
C3	ASPECT	AL-RL-D-2-U-120	120	LED	-	-	3	LED 2" RECESSED LIGHT, COLOR/FINISH BY ARCH	*
C4	PRESCOLITE	LTR-6RD-H-ML20L-DM1-LTR-6RD-T-ML35K8MD	120	LED	-	-	23	LED 6" RECESSED CAN LIGHT	*
D	COLUMBIA	MPS4-35HL-CW-EDU	120	LED	-	-	42	4" LED STRIP LIGHT, SURFACE-MOUNT	*
D2	COLUMBIA	MPS8-35HL-CW-EDU	120	LED	-	-	84	8" LED STRIP LIGHT, SURFACE-MOUNT	*
E	COMPASS	CUSO	120	LED	-	-	17	EMERGENCY EGRESS FIXTURE - DUAL MODE, NORMAL AND EMERGENCY OPERATION	*
F	EXO	S61-20-3K7-FT-UNV-DBT	120	LED	-	-	21	EXTERIOR LED WALL PACK, COLOR/FINISH BY ARCH	*
H	HOUSE	(CHOSEN BY ARCH; PROVIDED BY EC)	120	LED	-	-	50	DIMMABLE LED HOUSE LIGHTING (THEATER), \$400/EACH ALLOWANCE	*
L	aisle	(CHOSEN BY ARCH; PROVIDED BY EC)	120	LED	-	-	10	LED AISLE LIGHTING (THEATRE), \$250/EACH ALLOWANCE	*
R	JESCO	DL-AC-FLEX2-LNDB-RGBW	120	LED	-	-	4.3W/FT	FLEXIBLE LINEAR LED ROPE LIGHTING, PROVIDE DIMMABLE CONTROLLER, COLOR BY ARCH	*
S	SCONCE	(CHOSEN BY ARCH; PROVIDED BY EC)	120	LED	-	-	30	LED DECORATIVE SCONCE LIGHT, \$350/EACH ALLOWANCE	*
S2	SCONCE	(CHOSEN BY ARCH; PROVIDED BY EC)	120	LED	-	-	30	LED GOOSENECK (RLM) SCONCE LIGHT, WET LOCATION (EXT), \$500/EACH ALLOWANCE	*
V	VANITY	(CHOSEN BY ARCH; PROVIDED BY EC)	120	LED	-	-	60	LED VANITY LIGHT (RESTROOM), \$500/EACH ALLOWANCE	*
EXIT	EXTRONIX	S900U-WB-SR-R-AG-G2	120	LED	-	-	-	EXIT LIGHT, COLOR/FINISH BY ARCH	*
EXIT	EXTRONIX	S900C-R-R-AG-G2	120	LED	-	-	-	COMBINATION EMERGENCY/EXIT LIGHT, COLOR/FINISH BY ARCH	*
EMERGENCY	COMPASS	OU2HLHO	120	LED	-	-	-	EMERGENCY LIGHT, COLOR/FINISH BY ARCH	*

* OR APPROVED EQUAL. PROVIDE CUT SHEETS FOR OWNER APPROVAL PRIOR TO ORDERING FIXTURES. CATALOG NUMBERS ARE FOR REFERENCE ONLY. ACTUAL NUMBERS MAY VARY. 'EB' DENOTES ELECTRONIC BALLAST. 'EDB' DENOTES ELECTRONIC DIMMING BALLAST.

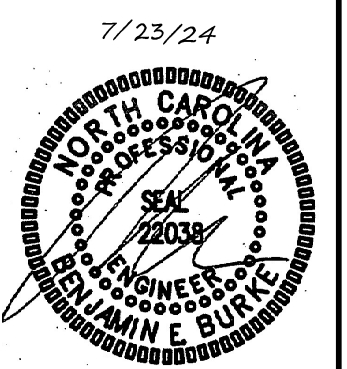
THE EMERGENCY LIGHTS AND EXIT SIGNS MUST HAVE INTEGRAL BATTERIES, CHARGERS AND TEST SWITCHES.



NEW MEZZANINE LIGHTING PLAN
SCALE: 3/16" = 1'-0"

NOTE:
PROVIDE LABELING ON EACH SWITCH NOTING CIRCUIT SERVED.
AUTOMATIC LIGHTING SHUTOFF IS NOT SHOWN IN THE EGRESS PATH LIGHTING AS ALLOWED PER 405.2.2 EXCEPTION #3, WHERE AUTOMATIC SHUTOFF WOULD ENDANGER OCCUPANT SAFETY.
TIE ALL EXIT AND EMERGENCY LIGHTS TO NEAREST AVAILABLE UNSWITCHED LIGHTING CIRCUIT IN THE AREA SERVED.
VERIFY HEIGHT/LOCATION OF ALL SWITCHES AND DEVICES PRIOR TO INSTALLATION.

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NEW MEZZANINE
LIGHTING PLAN

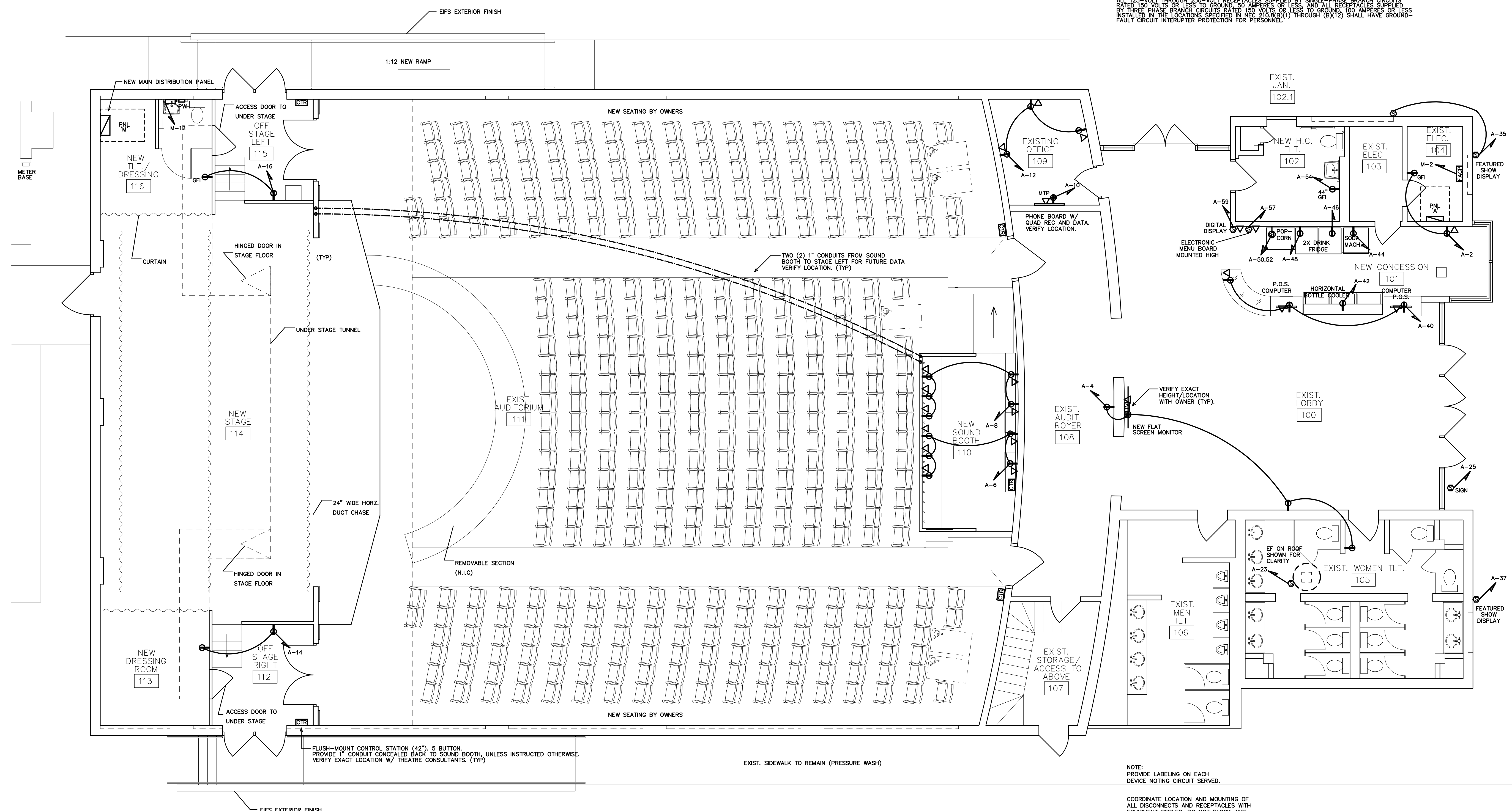
24034

ISSUED: 7/23/24
DWG BY: SWB
CKD BY: BEB
REVISIONS

SHEET NO.
E2.1

ITEM		QUAN	DESCRIPTION	ELECTRICAL CHARACTERISTICS								
				FLA	MCA	MCCP	WATTS	HP	VOLTS	PH	CONNECTION	WIRE SIZES
1	1	ONE COMPARTMENT SINK		--	--	--	--	--	--	--	--	--
2	1	POPCORN MACHINE		--	--	30A	--	--	208	1	VERIFY	3-#10, 1-#10 GND IN 3/4" CONDUIT
3	--	NOT USED		--	--	--	--	--	--	--	--	--
4	1	3 COMPARTMENT BEER COOLER		8.7	--	20A	--	1/2	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT
5	1	ICE AND BEVERAGE DISPENSER		2.8	--	20A	--	--	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT
6	1	GLASS DOOR REFRIGERATOR		5.4	--	20A	--	1/3	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT
7	1	POS COMPUTER SYSTEM		--	--	--	--	--	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT
8	1	WORK TABLE		--	--	--	--	--	--	--	--	--
9	1	TABLE MOUNTED OVERSHELF		--	--	--	--	--	--	--	--	--
10	1	WALL MOUNTED PRE-RINSE		--	--	--	--	--	--	--	--	--

CONCESSION AREA:
ALL 125-VOLT THROUGH 250-VOLT RECEPTACLES SUPPLIED BY SINGLE-PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 40 AMPERES OR LESS, AND ALL RECEPTACLES SUPPLIED BY THREE PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 100 AMPERES OR LESS INSTALLED IN THE LOCATIONS SPECIFIED IN NEC 210.6(D)(1) THROUGH (D)(12) SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL.



NEW FIRST FLOOR PLAN
SCALE: 3/16" = 1'-0"

NOTE:
PROVIDE LABELING ON EACH DEVICE NOTING CIRCUIT SERVED.

COORDINATE LOCATION AND MOUNTING OF ALL DISCONNECTS AND RECEPTACLES WITH EQUIPMENT SERVED. DO NOT BLOCK ANY ACCESS PANELS OR NAMEPLATE DATA. PROVIDE SEPARATE SUPPORTS IF REQUIRED.

VERIFY HEIGHT/LOCATION OF ALL DEVICES PRIOR TO INSTALLATION.

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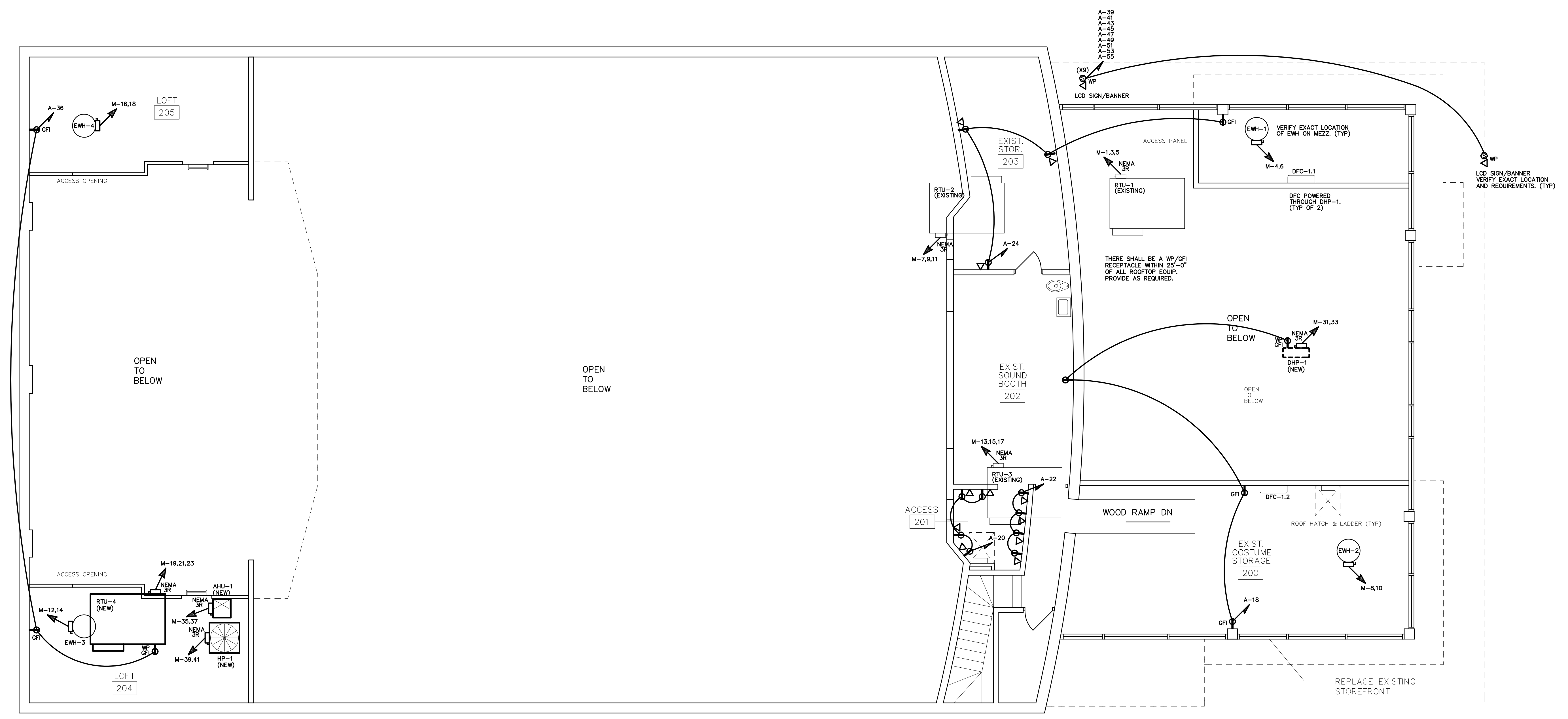
NEW FIRST FLOOR POWER PLAN

24034

ISSUED: 7/23/24
DWG BY: SWB
CKD BY: BEB

REVISIONS

SHEET NO.
E3.0



MEZZANINE POWER PLAN
SCALE: 3/16" = 1'-0"

NOTE:
PROVIDE LABELING ON EACH DEVICE NOTING CIRCUIT SERVED.
COORDINATE LOCATION AND MOUNTING OF ALL DISCONNECTS AND RECEPTACLES WITH EQUIPMENT SERVED. DO NOT BLOCK ANY ACCESS PANELS OR NAMEPLATE DATA. PROVIDE SEPARATE SUPPORTS IF REQUIRED.
VERIFY HEIGHT/LOCATION OF ALL DEVICES PRIOR TO INSTALLATION.

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7/23/24
NORTH CAROLINA PROFESSIONAL ENGINEER
EXPIRES 7/23/28
BENJAMINE BURKE

NEW MEZZ POWER PLAN

24034

ISSUED: 7/23/24
DWG BY: SWB
CKD BY: BEB

REVISIONS

SHEET NO.
E3.1

LOAD SERVICE		CKT BRKR	WATTS PER PHASE			CKT NO	NEUTRAL A B C			CKT NO	WATTS PER PHASE			CKT BRKR	LOAD SERVICE
RTU-1 (EXISTING)		80A	7778			1				2	300		20A	FACP (LOCKING BREAKER)	
RTU-2 (EXISTING)		100A	8784			7				8	2250		30A	EW-1	
RTU-3 (EXISTING)		100A	8784			11				12	3500		40A	EW-2	
RTU-4		150A	13140			21				22	---		20A	PWH	
SPARE		45A	---			25				26	12524		20A	SPARE	
DHP-1		20A	1560			31				32	---		20A	SPARE	
AHU-1		45A	3432			33				34	---		20A	SPARE	
HP-1		35A	1862			39				40	---		20A	SPARE	
NOTES		SUB-TOTALS 'B'		43476	41906	43778	1000A BUS			15074	15300	19252	SUB-TOTALS 'A'		
							1000A LUGS			43476	41906	43778	SUB-TOTALS 'B'		
							1000A FEED			58550	57208	63030	GRAND TOTAL		
							VERIFY SIZE			488A	477A	528A	AMPS/PHASE		

LOAD SERVICE		CKT BRKR	WATTS PER PHASE			CKT NO	NEUTRAL A B C			CKT NO	WATTS PER PHASE			CKT BRKR	LOAD SERVICE
LTS: EXT		20A	842			1				2	720		20A	REC: 102,103	
LTS: 100-104		20A		516		3				4	900		20A	REC: 100,108	
LTS: 100, 108, 109		20A			741	5				6		900	20A	REC: 111	
SPARE		20A				7				8	900		20A	REC: 111	
LTS: 105-107		20A		768		9				10	360		20A	REC: MTP	
LTS: 110-111		20A		1149		11				12		540	20A	REC: 109	
LTS: 112-116		20A	838			13				14	360		20A	REC: 114,115	
LTS: 204, 205, 114		20A		588		15				16	360		20A	REC: 116,117	
LTS: 111		20A		1200		17				18		720	20A	REC: 200,204	
SPARE		20A				19				20	720		20A	REC: 202	
BATHROOM EXHAUST FAN		20A		500		23				24		720	20A	REC: 201,205	
SIGN CIRCUIT		20A	1200			25				26	---		20A	SPARE	
SPARE		20A				27				28	---		20A	SPARE	
SPARE		20A				29				30	---		20A	SPARE	
SPARE		20A				31				32	---		20A	SPARE	
SPARE		20A				33				34	---		20A	SPARE	
SHOW DISPLAY		20A		800		35				36		540	20A	REC: 206,207	
SHOW DISPLAY		20A	800			37				38	---		20A	SPARE	
LCD SIGN/BANNER		20A		1000		39				40		540	20A	POS (7)	
LCD SIGN/BANNER		20A		1000		41				42		1044	20A	3-COMP BEER COOLER (4)	
LCD SIGN/BANNER		20A		1000		43				44	336		20A	ICE/BEV DISP. (5)	
LCD SIGN/BANNER		20A		1000		45				46	648		20A	GLASS DOOR REFRIG. (6)	
LCD SIGN/BANNER		20A		1000		47				48	648		20A	GLASS DOOR REFRIG. (6)	
LCD SIGN/BANNER		20A		1000		49				50	1800		20A	POPCORN MACH. (2)	
LCD SIGN/BANNER		20A		1000		51				52	1800		20A	SPARE	
LCD SIGN/BANNER		20A		1000		53				54	---		20A	SPARE	
LCD SIGN/BANNER		20A		1000		55				56	---		20A	SPARE	
ELECTRONIC MENU BOARD		20A		600		57				58	---		20A	SPARE	
DIGITAL DISPLAY (CONCESSIONS)		20A		1000		59				60	---		20A	SPARE	
NOTES		SUB-TOTALS 'B'		7888	8472	8390	200A BUS			4836	5328	5112	SUB-TOTALS 'A'		
							200A LUGS			7888	8472	8390	SUB-TOTALS 'B'		
							200A FEED			12524	10800	13502	GRAND TOTAL		
							VERIFY SIZE			105A	90A	113A	AMPS/PHASE		

HVAC NOTES:
 EXISTING HVAC SYSTEMS SHALL REMAIN "AS-IS" UNLESS OTHERWISE INDICATED OR NOTED.
 SEE PREVIOUS HVAC RENOVATION DRAWINGS DATED 2/26/19 FOR PREVIOUSLY PERMITTED WORK. VERIFY IF INSTALLED OR NOT. IF NOT, PROVIDE FOR A COMPLETE OPERATING PROJECT. (TYPICAL)

EQUIPMENT	MCA	MOCP	VOLTS	PH	WIRE SIZE
RTU-1 (EXIST)	-	80A	208V	3	3-#4, 1-#6 GND IN 1 1/4" CONDUIT
RTU-2 (EXIST)	-	100A	208V	3	3-#3, 1-#6 GND IN 1 1/4" CONDUIT
RTU-3 (EXIST)	-	100A	208V	3	3-#3, 1-#6 GND IN 1 1/4" CONDUIT
RTU-4	136.0A	150A	208V	3	3-#1/0, 1-#6 GND, IN 1 1/2" CONDUIT
EW-1,2 (3.5KW)	30A	208V	1	2-#10, 1-#10 GND IN 3/4" CONDUIT	
PWH (3.5KW)	40A	208V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT	
AHU-1	44.7A	45A	208V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT
HP-1	22.1A	35A	208V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT
DHP-1	15.0A	20A	208V	1	2-#12, 1-#12 GND IN 1/2" CONDUIT

NOTE:
 THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL EQUIPMENT ELECTRICAL REQUIREMENTS PRIOR TO ROUGH-IN AND RELEASING GEAR. ADJUST BREAKER, WIRE SIZES, ETC. AS REQUIRED.

RISER WIRING SCHEDULE

- 1 1000A: (3 SETS) 4-#400MCM, 1-#3 CU GND, IN (3) 3" CONDUIT
- 2 200A: 4-#3/0, 1-#6 CU GND, IN 2 1/2" CONDUIT
- 3 #3/0 CU GND TO BUILDING STEEL, FOUNDATION STEEL AND METALLIC WATER MAIN AND #6 CU GND TO 10' X 5/8" DRIVEN GROUND ROD



REUSE EXISTING 1000A SERVICE CONDUIT & CONDUCTORS IF AVAILABLE. IF NOT, PROVIDE.

ELECTRICAL SERVICE RISER SCALE: NTS

VERIFY AVAILABLE FAULT CURRENT AT SERVICE LOCATION WITH LOCAL POWER COMPANY. PROVIDE INFORMATION TO ENGINEER TO CALCULATE MINIMUM PANEL AC RATING PRIOR TO RELEASING GEAR. AC RATING ON PANELS ARE FOR PERMIT REVIEW AND PRICING ONLY. EC SHALL PROVIDE LABELING INDICATING FAULT CURRENT AT SERVICE ENTRY AND ON ALL PANELS PRIOR TO ENERGIZING.

Coastal Architecture
 • Architectural Design
 • Planning
 • Interiors

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CARTERET COMMUNITY THEATRE REPAIRS
 MOREHEAD CITY, NORTH CAROLINA

7/23/24

PANELS AND RISER

24034

ISSUED: 7/23/24
 DWG BY: SWB
 CKD BY: BEB

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SHEET NO.
E4

DIVISION 16 - FIRE ALARM
PART 1 - GENERAL

- 1.1 DESCRIPTION OF THE WORK
A. Work under this section includes, but is not necessarily limited to, furnishing and installing the following:
1. Fire alarm panel, wiring and devices
B. All work shall be complete and items, equipment, etc., shall be electrically connected for proper and correct operation.
C. All work under this contract shall be installed in accordance with the latest edition of the following codes and standards insofar as they apply:
1. The 2020 National Electrical Code.
2. NFPA 72
3. Underwriter's Laboratories, Inc., Standards and approved listings
4. Electrical Testing Laboratories standards.
5. North Carolina Building Code, Latest Edition and Revisions.
6. All local codes and ordinances.
D. The Fire Alarm Contractor shall be licensed in the State of North Carolina and have all local licenses required for the work.
E. Obtain all permits, licenses, inspections, etc., required for the work and pay for the same. Furnish final certificate of inspection and approval from the electrical inspector having jurisdiction prior to acceptance of the work.
F. All work shall be done by skilled mechanics and shall present a neat, trim, workmanlike condition when complete.

- 1.2 INTENT
A. The intent of these specifications and the accompanying drawings is to convey as reasonably as possible the requirements for a complete job ready for the building to operate. The Fire Alarm Contractor shall take this into consideration and include in his base bid allowance for contingencies as will allow him to provide minor pieces of equipment and labor not specifically indicated but required for the job to operate properly, at no additional cost to the Owner.
1.3 COORDINATION
A. Coordinate work with other contractors. Notify Architect of apparent conflicts early to expedite construction. If structural damage appears imminent, stop work and notify Architect for a decision before resuming operations.
B. Locations shown are approximate. The drawings do not give exact details as to elevations and locations of various pipes, fittings, ducts, conduit, etc., and do not show all offsets and other installation details which may be required. Coordinate all locations with architect before any rough-in.
1.4 SHOP DRAWINGS
A. Provide complete shop drawings per NCSFC section 907.1.2 to the local fire marshal prior to start of construction including:
1. Floorplan with room names
2. Location of all FA devices
3. Location of panels
4. Power connections
5. Battery calculations
6. Conductors types and sizes
7. Voltages drop calculations
8. Equipment cut-sheets, model numbers, etc.

PART 2 - PRODUCTS AND MATERIALS

- 2.1 GENERAL
A. All material shall be new and shall bear the manufacturer's name, trade name, and UL label where such standard has been established for the particular material. Materials shall be the standard products of manufacturer's regularly engaged in the manufacturer of the required type of equipment and the manufacturer's latest approved design.
1. Boxes installed in concealed locations shall be set flush with the finished surfaces.
2. Provide rated boxes in all fire barriers & walls installed per code.

PART 3 - EXECUTION

- 3.1 FIRE ALARM SYSTEM EQUIPMENT
A. Provide a complete operable fire alarm system as shown on the drawings and as required by State, and Local codes.
B. The main control panel is existing. The unit is an addressable type. Verify spare capacity is available prior to bid. Expand as required.
C. Provide a remote key test switch for the duct detectors. Locate as directed by the local AHJ.
D. All fire alarm system cables shall be installed in conduit. Size as required by the equipment supplier. Provide a submittal of all devices and a riser diagram for approval before installation of any equipment.
E. The return air smoke detectors will be furnished by the E.C. to the HVAC contractor for installation. The HVAC contractor shall be responsible for the shut down of all AHU'S. The E.C. shall be responsible for all connections to the fire alarm controller.
3.2 CLEAN UP
A. During construction, keep the site clean of debris. Upon completion, and before final inspection, clean up the premises to remove all evidence of work. In addition upon completion of construction leave equipment clean.
3.3 GUARANTEE
A. Guarantee all materials and labor included in the fire alarm work for a period of one year from date of final acceptance by the Owner. Any part or parts of the work or equipment which prove to be defective during the guarantee period shall be replaced at no additional cost to the Owner.

SHELL BLDG FA SYSTEM

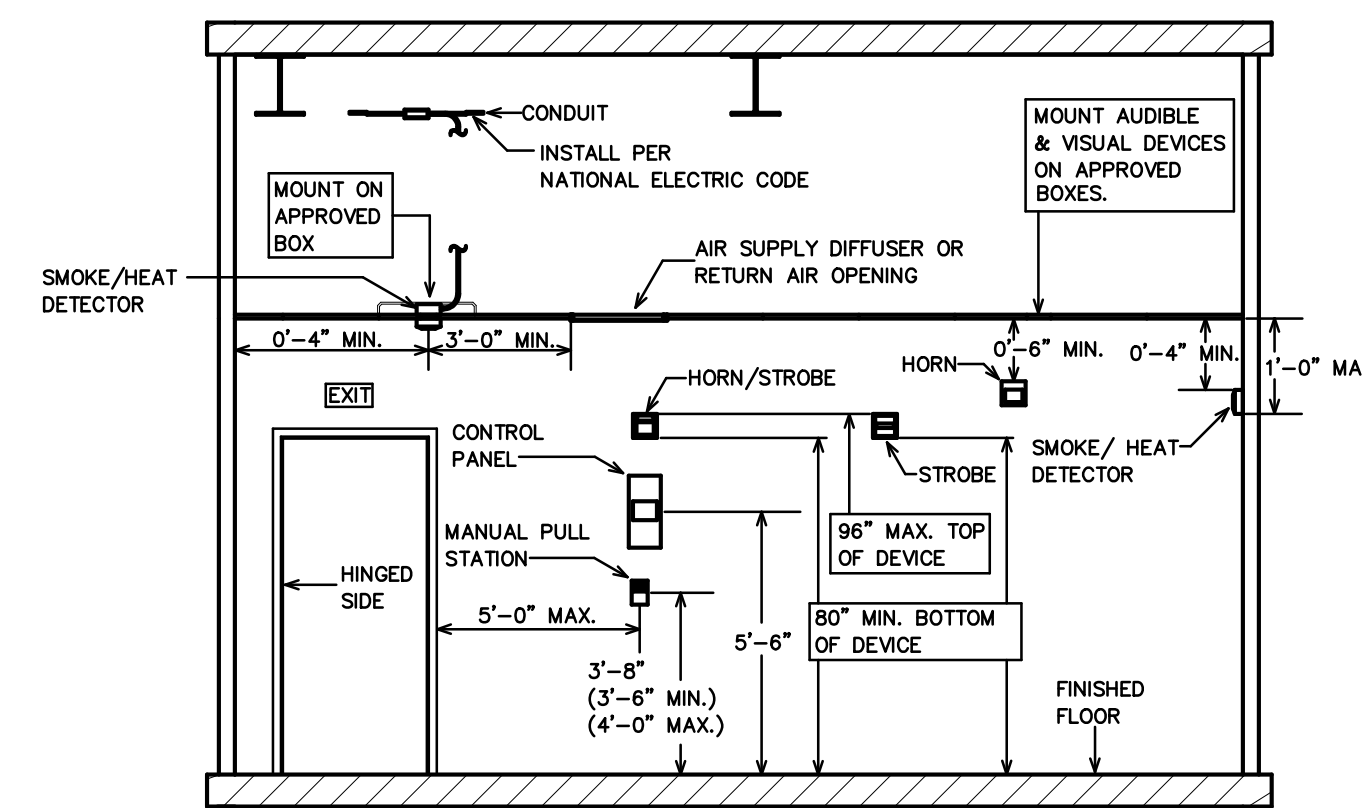
SYSTEM INPUTS	SYSTEM OUTPUTS																																		
	CONTROL UNIT ANNUNCIATION													NOTIFICATION				REQUIRED FIRE SAFETY CONTROL				SUPPLEMENTAL													
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE	FF	GG		
1 SMOKE DETECTORS																																			
2 IN-DUCT SMOKE DETECTORS																																			
3 LINEAR BEAM SMOKE DETECTORS																																			
4																																			
5 ELEVATOR (PRI) SMOKE/THERMAL DETECTORS																																			
6 ELEVATOR (ALT) SMOKE/THERMAL DETECTORS																																			
7 ELEVATOR MECH ROOM SMOKE/THERMAL DETECTORS																																			
8 ELEVATOR PITS SMOKE/THERMAL DETECTORS																																			
9 THERMAL DETECTORS																																			
10																																			
11																																			
12 PULL STATIONS																																			
13																																			
14 LOOP OPEN/SHORT CIRCUIT																																			
15 LOOP GROUND FAULT																																			
16 LOOP FAILURE																																			
17																																			
18 NAC OPEN/SHORT CIRCUIT																																			
19 NAC GROUND FAULT																																			
20 NAC FAILURE																																			
21 LOSS OF AC POWER																																			
22 LOSS OF AC POWER (>6 HR)																																			
23 BATTERY/CHARGER FAILURE																																			
24 LOW BATTERY																																			
25																																			
26																																			
27																																			
28 KITCHEN HOOD FIRE SUPPRESSION SYSTEM																																			
29																																			
30																																			
31 SPRINKLER WATER FLOW																																			
32 SPRINKLER TAMPER SWITCHES																																			
33																																			

FIRE ALARM LEGEND

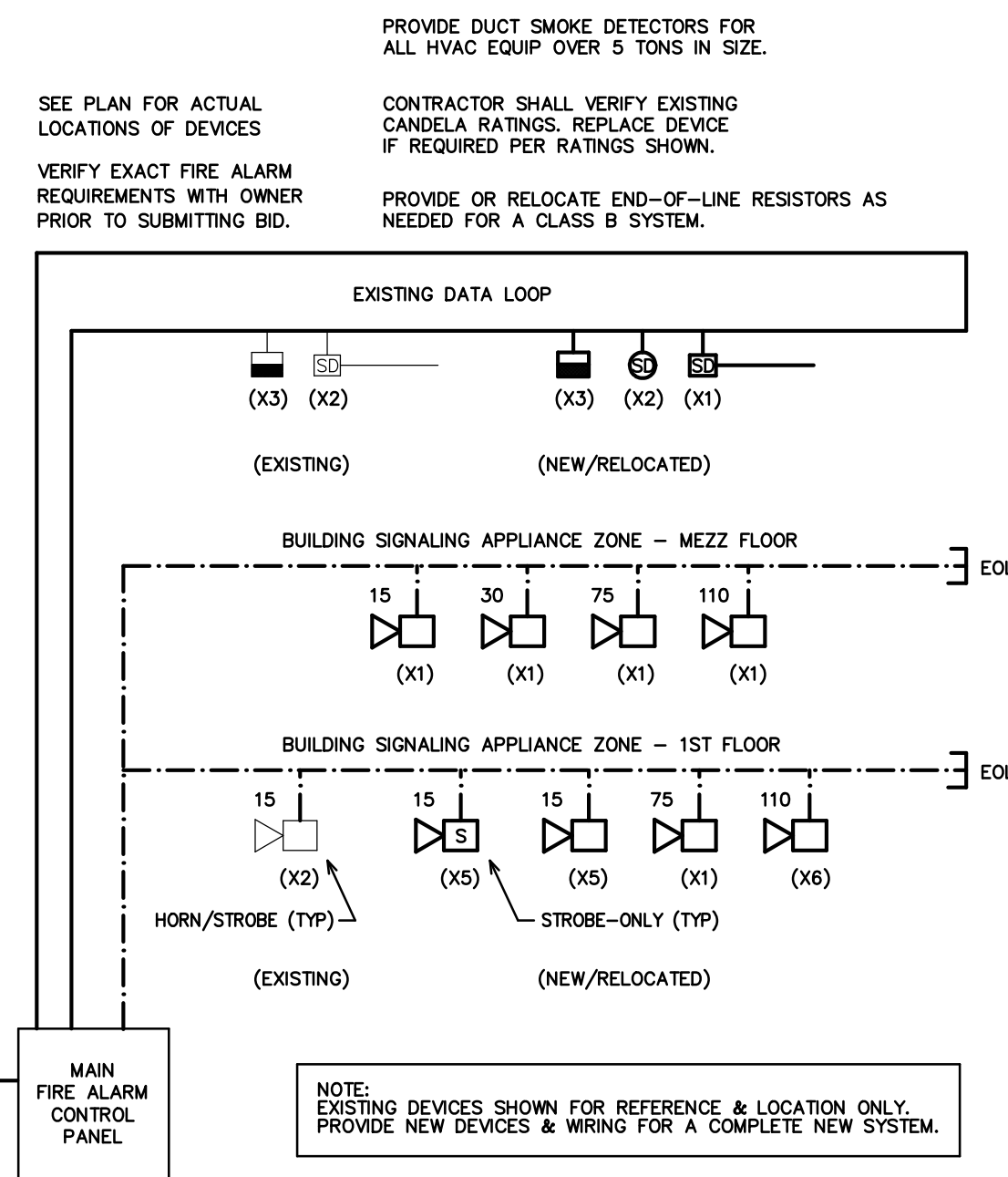
- HORN/SROBE SIGNALING DEVICE
- (XX) CANDELLA RATING; (S) INDICATES STROBE-ONLY
- PULL STATION
- SMOKE DETECTOR
- DUCT SMOKE DETECTOR
- FIRE ALARM CONTROL PANEL
- REMOTE ANNUNCIATOR PANEL

*COLOR/FINISH OF ALL FA DEVICES CHOSEN BY ARCH

NOTE:
ANY EXISTING INFORMATION SHOWN ON THIS DRAWING IS FROM A FIELD INVESTIGATION AND PREVIOUS PERMIT DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND FIELD VERIFYING ALL RELEVANT INFORMATION. THE SUBMISSION OF A BID INDICATES ACCEPTANCE OF EXISTING CONDITIONS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES NOTED.



1 DEVICE MOUNTING DETAIL
SCALE: NTS



2 FIRE ALARM RISER
SCALE: NTS

Coastal Architecture
PLC

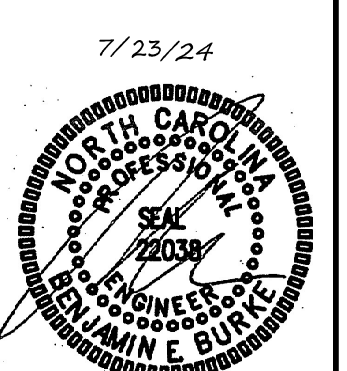
- Architectural Design
- Planning
- Interiors

Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA
252-247-2127
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CARTERET COMMUNITY THEATRE REPAIRS
MOREHEAD CITY, NORTH CAROLINA



FIRE ALARM RISER

24034

ISSUED: 7/23/24
DWG BY: LS
CKD BY: BEB

REVISIONS

SHEET NO.
FA1

ENGINEER

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3305-109 DURHAM DRIVE
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FAX: (919) 779-0826
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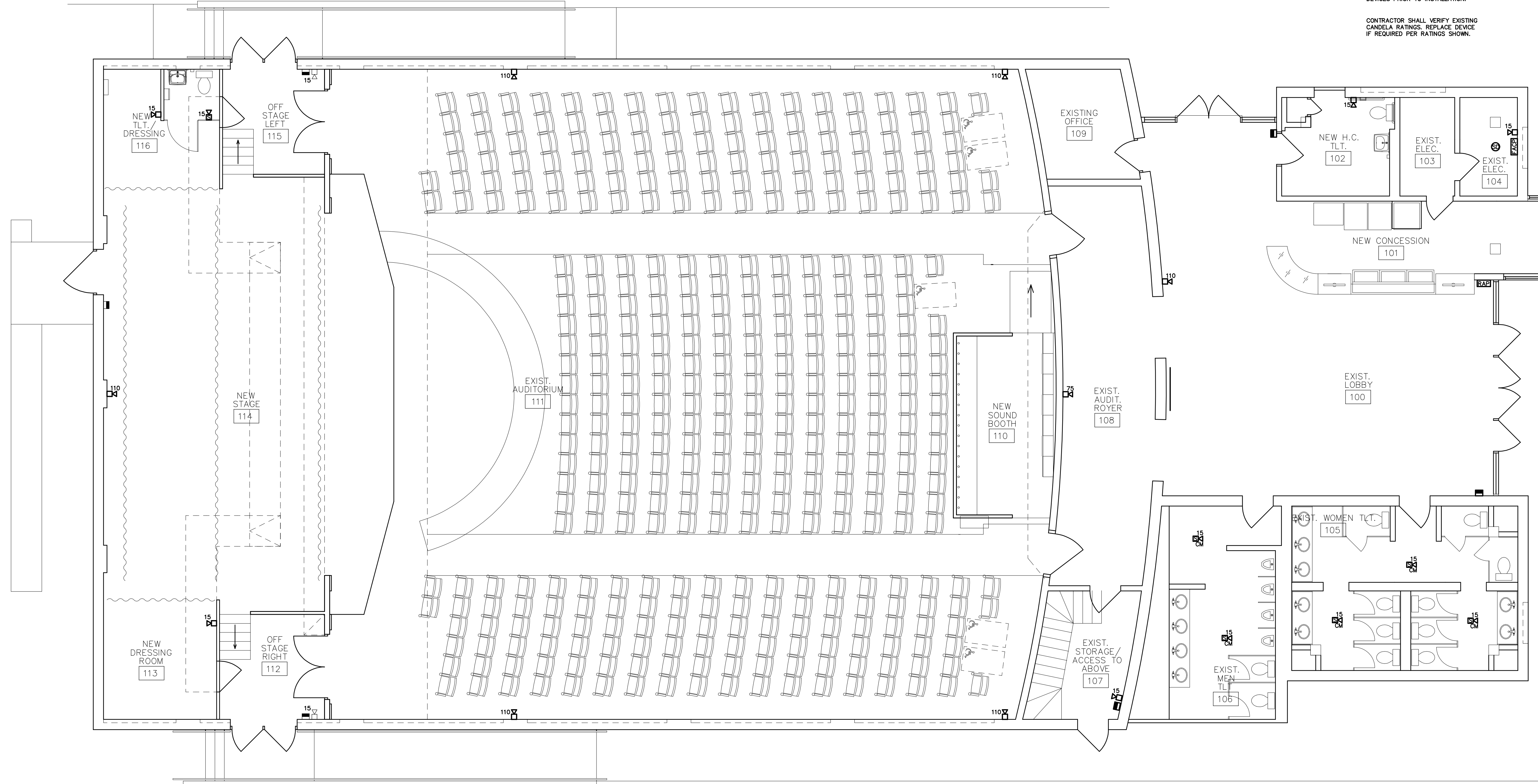
GENERAL FIRE ALARM NOTES:

- 1 HORN/STROBES MUST BE WITHIN 15'-0" OF THE END OF EACH CORRIDOR. PROVIDE STROBES IN ALL CORRIDORS, BATHROOMS, BREAK ROOMS AND STORAGE AREAS. INSTALL PER ADA.
- 2 CANDELA RATINGS SHOULD BE LABELED ON ALL STROBES.
- 3 ALL STROBES WITHIN SIGHT OF EACH OTHER MUST BE SYNCHRONIZED PER NFPA 72 UNLESS MAXIMUM REQUIRED SEPARATION IS OBTAINED.
- 4 THE MAIN FIRE ALARM PANEL IS LOCATED IN THE ELECTRICAL ROOM. VERIFY.
- 5 VERIFY THAT A SD IS ADJACENT TO THE FACP.
- 6 ALL EXPOSED WIRE SHALL BE IN CONDUIT. PLENUM RATED CABLE MAY BE USED WHERE CONCEALED IN ALL AREAS EXCEPT ASSEMBLY AREAS. ALL WIRING IN ASSEMBLY AREAS MUST BE IN CONDUIT.
- 7 ALL DEVICES, PANELS, ETC MUST BE BY SAME MANUFACTURER AND COMPATIBLE. PROVIDE ALL ITEMS REQUIRED FOR A COMPLETE SYSTEM MEETING ALL CODES. COORDINATE THE INSTALLATION WITH THE LOCAL FIRE MARSHALL.
- 8 ALL WORK MUST MEET NFPA 72 AND APPLICABLE LOCAL CODES AND ORDINANCES. COORDINATE THE INSTALLATION WITH THE LOCAL FIRE MARSHALL.
- 9 MOUNT WALL-MOUNT HORN STROBES SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE THE FINISHED FLOOR.
- 10 MOUNT MANUAL PULL STATIONS SUCH THAT THE OPERABLE PART OF THE DEVICE IS NOT LESS THAN 42" AFF AND NOT MORE THAN 54" AFF.

NOTE:
VERIFY HEIGHT/LOCATION OF ALL
DEVICES PRIOR TO INSTALLATION.

CONTRACTOR SHALL VERIFY EXISTING
CANDELA RATINGS. REPLACE DEVICE
IF REQUIRED PER RATINGS SHOWN.

VERIFY A SMOKE DETECTOR
IS WITHIN 5'-0" OF 'FACP'.
PROVIDE AS REQUIRED.

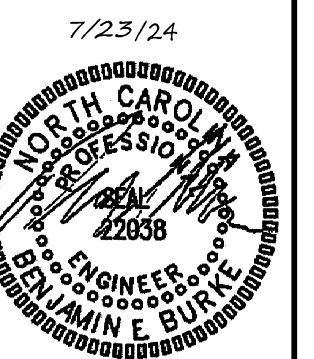


- ◻ EXISTING DEVICE TO REMAIN
- ◻ NEW/RELOCATED DEVICE

FIRE ALARM PLAN
SCALE: 3/16" = 1'-0"

ENGINEER
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**CARTERET COMMUNITY
THEATRE REPAIRS**
MOREHEAD CITY, NORTH CAROLINA



FIRE ALARM PLAN

24034

ISSUED: 7/23/24
DWG BY: LS
CKD BY: BEB

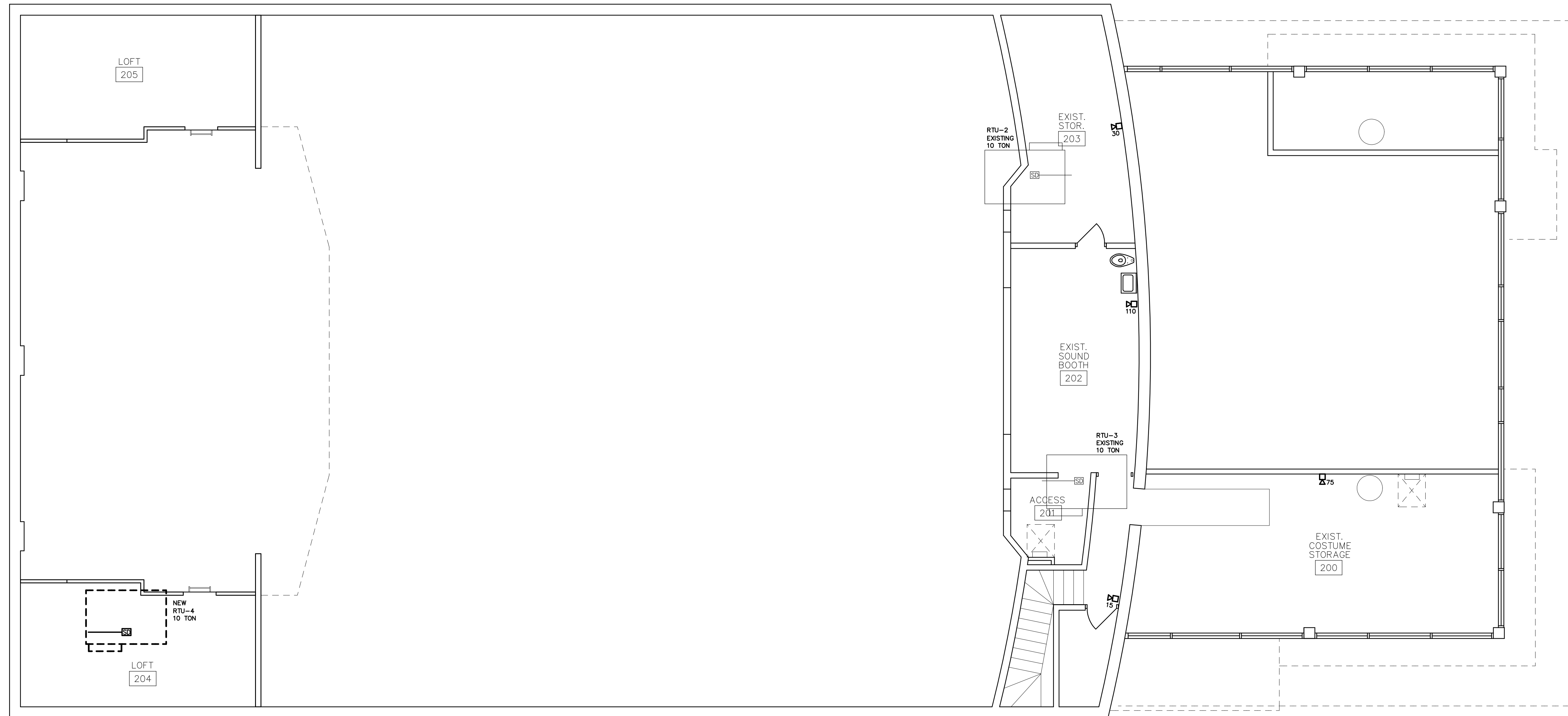
REVISIONS

SHEET NO.
FA2.0

GENERAL FIRE ALARM NOTES:

- 1 HORN/STROBES MUST BE WITHIN 15'-0" OF THE END OF EACH CORRIDOR. PROVIDE STROBES IN ALL CORRIDORS, BATHROOMS, BREAK ROOMS AND STORAGE AREAS. INSTALL PER ADA.
- 2 CANDELA RATINGS SHOULD BE LABELED ON ALL STROBES.
- 3 ALL STROBES WITHIN SIGHT OF EACH OTHER MUST BE SYNCHRONIZED PER NFPA 72 UNLESS MAXIMUM REQUIRED SEPARATION IS OBTAINED.
- 4 THE MAIN FIRE ALARM PANEL IS LOCATED IN THE ELECTRICAL ROOM. VERIFY.
- 5 VERIFY THAT A SD IS ADJACENT TO THE FACP.
- 6 ALL EXPOSED WIRE SHALL BE IN CONDUIT. PLENUM RATED CABLE MAY BE USED WHERE CONCEALED IN ALL AREAS EXCEPT ASSEMBLY AREAS. ALL WIRING IN ASSEMBLY AREAS MUST BE IN CONDUIT.
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- 8 ALL WORK MUST MEET NFPA 72 AND APPLICABLE LOCAL CODES AND ORDINANCES. COORDINATE THE INSTALLATION WITH THE LOCAL FIRE MARSHALL.
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NOTE: VERIFY HEIGHT/LOCATION OF ALL DEVICES PRIOR TO INSTALLATION.

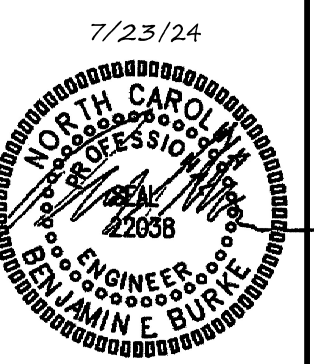


PROVIDE DUST SMOKE DETECTORS FOR ALL HVAC EQUIP OVER 5 TONS IN SIZE.

MEZZANINE FIRE ALARM PLAN
SCALE: 3/16" = 1'-0"

- EXISTING DEVICE TO REMAIN
- NEW/RELOCATED DEVICE

**CARTERET COMMUNITY
THEATRE REPAIRS**
MOREHEAD CITY, NORTH CAROLINA



NEW MEZZ
FIRE ALARM PLAN

24034

ISSUED: 7/23/24

DWG BY: LS

CKD BY: BEB

REVISIONS

SHEET NO.

FA2.1