



Code Improvements Riverfront Boathouse

252 Welles Street
Glastonbury, CT. 06033

ISSUED: NOVEMBER 16, 2021

ARCHITECTS:
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REGION MAP (NTS)

PROJECT LOCATION

LOCATION MAP (NTS)

PROJECT LOCATION

ABBREVIATIONS				GRAPHIC LEGEND	
&	And	E	East	K	Kip (1,000 lbs)
L	Metal Angle	EA	Each	K-FT	Kip Feet
@	At	EB	Electric Baseboard	KVA	Kilovolt Amps
#	Pound or Number	EF	Exhaust Fan	KW	Kilowatts
A, AMP	Ampere or	EJ	Expansion Joint	LAM	Laminated
AB	Anchor Bolt	EL	Elevation	LAV	Lavatory
A/C	Air Conditioning	ELEC	Electrical	LB	Pound
ACOUS	Acoustical	ELEV	Elevator	LCC	Lead Coated
ACT	Acoustical Ceiling	EMERG	Emergency	ENGR	Engineer
ACU	Air Conditioning Unit	ENCL	Enclosure	EQ	Electrical Panel
ADDN	Addition	ENR	Engineer	ED	Equal
ADDNL	Additional	EWC	Electric Water	EQ	Equal
ADJ	Adjustable	EXH	Exhaust	EP	Expansion
AFF	Above Finish Floor	EXIST	Existing	EXT	Exterior
AHU	Air Handling Unit	EXP	Expansion	EXT	Exterior
ALT	Alternate	FA	Fire Alarm	MAS	Masonry
ALUM	Aluminum	FACP	Fire Alarm Control Panel	MAX	Maximum
ANCH	Anchor, Anchorage	FD	Floor Drain	MCM	Metal Composite Material
ANOD	Anodized	FCU	Fan Coil Unit	MDP	Main Distribution Panel
ARCH	Architect, Architectural	FDN	Foundation	MECH	Mechanical
BD	Board	FE	Fire Extinguisher	MED	Medium
BIT	Bituminous	FEC	Fire Extinguisher & Cabinet	MEMB	Membrane
BLDG	Building	FF	Finished Floor	MET	Metal
BLK(G)	Blocking	FLUOR	Fluorescent	MFR	Manufacturer
BM	Beam	FOS	Fuel Oil Supply	MIN	Minimum
BM	Bench Mark	FOR	Fuel Oil Return	MISC	Miscellaneous
BOT	Bottom	FPRF	Fireproofing	MO	Masonry Opening
BRG	Bearing	FR	Frame	MR	Moisture Resistant
BRK	Brick	FT	Foot, Feet	MTD	Mounted
BSMT	Basement	FTG	Footing	N	North
BUR	Built Up Roof	FURN	Furnish(ed)	NIC	Not In Contract
C	Course	FURR	Furring	NOM	Nominal
CAB	Cabinet	GA	Gauge, Gage	NTS	Not To Scale
CD	Condensate Drain	GALV	Galvanized	O/A	Outdoor Air
CEF	Ceiling Exhaust Fan	GB	Gypsum Board	OC	On Center
CEM	Cement	GC	General Contractor	OD	Outside Diameter
CFM	Cubic Feet Per Minute	GFI	Ground Fault Interrupter	OPG	Opening
CG	Corner Guard	GL	Glass, Glazing	OPP	Opposite
CHP	Cabinet Heat Pump	GND	Ground	OZ	Ounce
CI	Cast Iron	GR	Grade	PA	Public Address
CJ	Control Joint	GYP	Gypsum	PCF	Pounds Per Cubic Foot
CKT	Circuit	HB	Hose Bibb	PERF	Perforated
CLG	Ceiling	HDWD	Hard Wood	PG	Paint Grade
CLR	Center Line	HDWE	Hardware	PL	Plas
CMU	Concrete Masonry Unit	HGT	Height	PLAM	Plastic Laminated
CO	Clean Out	HID	High Intensity Discharge	PLAS	Plaster
COL	Column	HORIZ	Horizontal	PLBG	Plumbing
CONC	Concrete	HP	High Point, Horse POWER & EYE	PLYWD	Plywood
CONN	Connection	HTG	Heating	PNL	Panel
CONST	Construction	HTR	Heater	POL	Polished
CONT	Continuous	HVAC	Heat, Vent, & A/C	PP	POWER & EYE
CONTR	Contract(or)	HVU	Heating & Vent Unit	PR	Pair
CP	Condensate Pump	HW	Hot Water	PRTN	Partition
CPT	Carpet	HWH	Hot Water Heater	PSF	Pounds Per Square Foot
CR	Ceiling Register	HZ	Hertz	PT	Paint/ Painted
CT	Ceramic Tile	ID	Inside Diameter	PV	Plumbing Vent
CTR	Center	IN	Inch	PVMT	Pavement
CUH	Cabinet Unit Heater	INCAND	Incandescent	QT	Quarry Tile
CW	Cold Water	INCL	Include(d), (ing)	QTY	Quantity
D	Diffuser	INS	Insulate(d), (ing)	R	Riser, Register
DBL	Double	INT	Interior	R/A	Return Air
DET	Detail	INV	Invert	RAD	Radius
DF	Drinking Fountain	JB, JBOX	Junction Box	RCP	Reinforced Concrete
DIA	Diameter	JST	Joint	RD	Roof Drain
DIM	Dimension	JT	Joint	RECP	Receptacle
DISP	Dispenser	RE	Reference	REF	Reference
DL	Dead Load	REFIN	Refinish	REINF	Reinforce(d), (ing)
DN	Down	REQ	Required	RL	Roof Leader
DO	Ditto	RESIL	Resilient	RET	Return
DP	Distribution Point	REV	Revisions, Revised	RFG	Roofing
DR	Door	RH	Right Hand	RM	Room
DWG	Drawing	RO	Rough Opening	RPM	Revolutions Per Minute
		RVL	Rain Water Leader	RV	Roof Vent
		S	South	S	South
		S/A	Supply Air	S&R	Supply & Return
		S&R	Supply & Return	SAFB	Sound Attenuating Fiber Blanket
		SAFB	Sound Attenuating Fiber Blanket	SAN	Sanitary
		SAN	Sanitary	SCHED	Schedule
		SERV	Service	SERV	Service
		SGFT	Structural Glazed Facing Tile	SH	Sheet
		SH	Sheet	SIM	Similar
		SP	Static Pressure Specifications	SP	Static Pressure Specifications
		SPEC	Specifications	SS	Stainless Steel
		SQ	Square	ST	Storm
		SS	Stainless Steel	STD	Standard
		ST	Storm	STL	Steel
		STD	Standard	STRUC	Structural
		STL	Steel	SW, SW BD	Switch, Switch Board
		STRUC	Structural	SWGR	Switchgear
		SW, SW BD	Switch, Switch Board	SYM	Symmetrical
		SWGR	Switchgear	T	Tread, Thermostat
		SYM	Symmetrical	TBH	Thousand BTU per Hour
		T	Tread, Thermostat	T&B	Top & Bottom
		TBH	Thousand BTU per Hour	T&G	Tongue & Groove
		T&B	Top & Bottom		
		T&G	Tongue & Groove		

MATERIALS LEGEND	
	CONCRETE
	CONCRETE MASONRY UNITS
	BRICK
	METALS
	COMPACTED GRAVEL
	COMPACTED SOIL
	NEW METAL STUD PARTITION
	EXISTING TO REMAIN, UON
	ITEM TO BE REMOVED, UON
	PLYWOOD
	ACOUSTICAL TILE
	WOOD FRAMING - THROUGH MEMBER
	WOOD FRAMING - BLOCKING
	FINISHED WOOD
	BATT INSULATION
	RIGID INSULATION
	Vent, Volt
	Variable Air Volume
	Vinyl Composition Tile
	Vertical
	Ventilator
	Vertical Heat Pump
	Verify in Field
	Vinyl Wallcovering
	Watts, West
	Wet Bulb
	Without
	Water Closet
	Wood
	Waterproof
	Water Resistant
	Wainscot
	Weight
	Welded Wire Fabric
	Yard

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CODE IMPROVEMENTS RIVERFRONT BOATHOUSE
252 WELLES STREET
GLASTONBURY, CT. 06033

OWNER'S PROJECT #: GL-2022-16

#	DESCRIPTION	DATE

REVISIONS:

INFO SHEET

DATE: 11-16-2021

NCA JOB NO.: 21031

DRAWING NO.: **A-001**



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2. DIVISION 02: SELECTIVE DEMOLITION
2.1 DEMOLITION AND REMOVAL - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO COMPLETE THE WORK. IF SIGNIFICANT DEMOLITION BEYOND THE SCOPE INDICATED ON THE DRAWINGS IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT IMMEDIATELY. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL, INCLUDING ALL COSTS FOR CARTING AND DUMPING, OF ALL MATERIALS DEMOLISHED FROM THE PROJECT. THE OWNER RESERVES THE RIGHT TO REVIEW AND RECLAIM ANY ITEMS BEING REMOVED.
2.2 THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ALL EXISTING WORK DISTURBED OR OTHERWISE IN NEED OF REPAIRING IN ORDER TO MAKE THE PROJECT A COMPLETE AND FINISHED PROJECT. THIS REPAIR INCLUDES ALL FINISHES TO MATCH ADJACENT SURFACES.
2.3 IF A WALL OR SURFACE IS WORKED ON, THAT WALL OR SURFACE SHALL BE REFINISHED WITH A COMPLETE FINISH TO THE NEAREST CORNER, CHANGE OF PLANE, OR OTHER JUNCTURE. PROVIDE A SMOOTH AND CLEAN TRANSITION FROM THE NEW FINISHED SURFACE TO THE SURROUNDING EXISTING SURFACES. THE INTENT IS TO ELIMINATE THE APPEARANCE OF A REPAIRED CONDITION.
2.4 ANY AND ALL DEMOLISHED PLUMBING FIXTURES AND RELATED PIPING WHICH ARE BEING DISCARDED SHALL BE REMOVED, CAPPED AND ALL RELATED WORK REQUIRED ON FLOOR SLAB OR WALL SURFACES, SHALL BE REPAIRED AND FINISHED TO MATCH ADJACENT SURFACES AND/OR TO FINISH SCHEDULE.
2.5 ALL ITEMS SHOWN TO BE DEMOLISHED SHALL BE REMOVED & DISCARDED, UNLESS OTHERWISE NOTED.
2.6 ALL ITEMS SHOWN TO BE REMOVED AND STORED FOR RE-INSTALLATION SHALL BE REMOVED WITH THE INTENT TO REUSE THE PRODUCT, HANDLED WITH CARE TO PREVENT DAMAGE OR BREAKAGE, STORED IN A DRY ENVIRONMENT AND PLACED/STACKED PER MANUFACTURER'S ORIGINAL REQUIREMENTS. PRODUCT SHALL BE REVIEWED BY OWNER TO CONFIRM PROPER STORAGE REQUIREMENTS ARE BEING MAINTAINED THROUGHOUT THE PERIOD SUCH PRODUCT IS STORED. ANY PRODUCT THAT IS DAMAGED EITHER DURING THE REMOVAL PROCESS OR WHILE IN STORAGE SHALL BE REPLACED WITH NEW, MATCHING PRODUCT BY CONTRACTOR.

6. DIVISION 06: WOOD, PLASTIC AND COMPOSITES
6.1 ROUGH CARPENTRY - COMPLY WITH ALL REQUIREMENTS FOR ANY ROUGH CARPENTRY ASSOCIATED WITH BLOCKING, FRAMING, FURRING AND/OR ANY OTHER REQUIREMENTS OF THE CONSTRUCTION THAT MAY REQUIRE ANY ROUGH CARPENTRY.
6.2 SHEATHING
6.2.1 FURNISH AND INSTALL 3/4" MARINE-GRADE VENEER (A-B) PLYWOOD AT ALL EXPOSED WALL SURFACES INDICATED.
6.3 INTERIOR ARCHITECTURAL WOODWORK
6.3.1 FURNISH AND INSTALL ALL INTERIOR ARCHITECTURAL WOODWORK INDICATED ON DRAWINGS.
6.3.2 INTERIOR RUNNING OR STANDING TRIM SHALL BE PREMIUM GRADE POPLAR, SHAPED TO SIZE AND PROFILE INDICATED ON DRAWINGS.
6.3.3 ANCHOR WOODWORK TO ANCHORS OR BLOCKING BUILT IN OR DIRECTLY ATTACHED TO SUBSTRATES. SECURE WITH COUNTERSUNK CONCEALED FASTENERS AND BLIND NAILING AS REQUIRED FOR COMPLETE INSTALLATION. USE THE FINISHING NAILS FOR EXPOSED FASTENING, COUNTERSUNK AND FILLED FLUSH WITH WOODWORK AND MATCHING FINAL FINISH. TRANSPARENT FINISH IS INDICATED.
6.3.4 STANDING AND RUNNING TRIM. INSTALL WITH MINIMUM NUMBER OF JOINTS POSSIBLE, USING FULL LENGTH PIECES (FROM MAXIMUM LENGTH OF LUMBER AVAILABLE) TO GREATEST EXTENT POSSIBLE. DO NOT USE PIECES LESS THAN 96 INCHES LONG, EXCEPT WHERE SHORTER SINGLE LENGTH PIECES ARE NECESSARY SCARF.
6.3.5 FULL JOINTS AND STAGES IN ADJACENT AND RELATED MEMBERS.
6.3.5.1 FULL GAPS, IF ANY, BETWEEN TOP OF BASE AND WALL WITH PLASTIC WOOD FILLER, SAND SMOOTH AND FINISH SAME AS WOOD TRIM FINISH. INSTALL STANDING AND RUNNING TRIM WITH NO MORE VARIATION FROM A STRAIGHT LINE THAN 1/8 INCH IN 96 INCHES.

7. DIVISION 07: MOISTURE, THERMAL PROTECTION
7.1 THERMAL INSULATION:
7.1.1 MINERAL WOOL BLANKET INSULATION (SOUND ATTENUATION) AT ALL INTERIOR FRAMED WALLS BEING RECONSTRUCTED TO APPLY SFIRM TO STRUCTURAL FRAMING.
7.1.2 Subject to compliance with requirements, provide one of the following:
1. Johns Manville, MinWool Sound Attenuation Fire Batts (SAFB).
2. Rockwool, AFB.
3. Thermafiber, SAFB.
7.1.3 Untreated, Mineral-Wool Blanket Insulation: ASTM C 665, Type I (blankets without membrane facing), consisting of fibers, with maximum flame-spread and smoke-developed indexes of 0, per ASTM E 84, passing ASTM E 136 for combustion characteristics.
7.1.4 Thickness: As indicated, not less than 3 inches.
7.1.4.1 Nominal density of 2.5 lb/cu. ft. minimum.
7.1.4.2 R-Value: Minimum 3.7 per inch.
7.1.4.3 MRC: 1.05 for 3 inch thickness.
7.1.4.4 Thickness: As indicated, not less than 3 inches.
7.1.4.5 MINERAL-WOOL-BOARD INSULATION (FIRE SAFING)
7.1.5 Subject to compliance with requirements, provide products by one of the following:
1. Johns Manville, MinWool Safing.
2. Rockwool, SAFE.
3. Thermafiber, Safing Insulation.
7.1.6 Untreated, Mineral-Wool Board Insulation: ASTM C 612; water repellent rigid insulation board with a rigid upper surface, with maximum flame-spread and smoke-developed indexes of zero, per ASTM E 84, passing ASTM E 136 for combustion characteristics. Nominal density of 4.5 lb/cu. ft. minimum.
7.1.7 FURNISH AND INSTALL BASIS-OF-DESIGN, ICYNENE CLOSED-CELL SPRAY FOAM INSULATION AT UNDERSIDE OF FLOOR DECK AFTER PROPER INSTALL AND CURING OF SFIRM PRODUCT.
7.1.8 INSTALL AT THICKNESS REQUIRED TO ACHIEVE R-30 INSULATION AT UNDERSIDE OF FLOOR DECK AND MIN. 2" AROUND ALL SURFACES OF STEEL BEAMS TO FULLY ENCAPSULATE THE SFIRM.
7.2 SPRAY-APPLIED FIRE RESISTIVE MATERIAL (SPFRM):
7.2.1 FURNISH AND INSTALL BASIS-OF-DESIGN, CAFCO BLAZE-SHIELD II (ISOLATEK INTERNATIONAL) PER ASTM E119 AND ANSIUL 263 REQUIREMENTS.
7.2.2 PROVIDE SFIRM APPLICATION AT FLOOR/CEILING ASSEMBLY (UNDERSIDE OF STEEL DECK AND BEAMS) PER UL DESIGN NO. D832. NOTE: CAFCO/ISOLATEK INTERNATIONAL DESIGN D832 FOR APPLICABLE THICKNESS REQUIRED AT SPECIFIC ELEMENTS. NOTE PRESENCE OF ELECTRICAL FLOOR BOXES ABOVE AS INDICATED.
7.2.3 PROVIDE SFIRM APPLICATION AT COLUMNS PER UL DESIGN NO. X827. NOTE APPLICABLE CAFCO/ISOLATEK INTERNATIONAL DESIGN X827 FOR APPLICABLE THICKNESS REQUIRED AT SPECIFIC COLUMN SHAPE, SIZES & THICKNESSES. SEE DRAWINGS FOR GUIDANCE ON INSTALLATION AT EXISTING COLLUMNS.
7.2.4 FOLLOW ALL MANUFACTURER'S REQUIREMENTS ON THE PREPARATION AND CLEANING OF EXISTING SURFACES TO RECEIVE SFIRM, PROPER INSTALLATION, ACHIEVING MINIMUM THICKNESSES REQUIRED FOR THE APPLICATION, AND PREPARATION FOR INSTALLATION OF INSULATION AND OTHER CONSTRUCTION FOLLOWING PROPER CURING OF THE SFIRM PRODUCT.
7.3 PENETRATION FIRESTOPPING
7.3.1 FURNISH AND INSTALL PENETRATION FIRESTOPPING AS REQUIRED TO ACHIEVE OR EXCEED RATINGS INDICATED ON DRAWINGS. ALL PENETRATION FIRESTOPPING MUST UL RATED AT SEPARATION RATINGS INDICATED. LOCAL CODE OFFICIAL SHALL BE OFFERED OPPORTUNITY TO REVIEW ALL PENETRATION FIRESTOPPING PRIOR TO ENCLOSURE.
7.4 JOINT SEALANTS
7.4.1 PROVIDE NEW JOINT SEALANTS AT ANY AND ALL NEW WORK, OR WHERE NEW WORK MEETS EXISTING, UNLESS OTHERWISE NOTED. INTERIOR JOINTS SHALL BE ACRYLIC LATEX. EXTERIOR SHALL BE SILICONE. IN COLOR SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.

9. DIVISION 09: DRYWALL AND FINISHES
9.1 ALL FLOOR AND WALL SURFACES SHALL BE PREPARED PROPERLY FOR FINISHES. BLEND ALL BLEMISHES, BUMPS AND OTHER DEFECTS INTO A SMOOTH AND FLAT SURFACE.
9.1.1 CONTRACTOR SHALL PREPARE/LEVEL ALL SURFACES AT ALL REMOVALS FOR NEW FINISHES AS PER MANUFACTURER'S INSTRUCTIONS.
9.1.2 REPAIR & REFINISH ALL AREAS' SURFACES OPENED UP OR DAMAGED BY OTHER TRADES, AND NOT LIMITED TO WORK LIMIT AREAS SHOWN.
9.1.3 ALL DIMENSIONS ARE TO FACE OF NOMINAL STUD UNLESS OTHERWISE NOTED. ANY DIMENSIONS INDICATED AS "CLEAR" OR "FINISH" ARE CRITICAL AND SHALL BE BUILT AS NOTED.
9.1.4 ALL DRYWALL WORK SHALL CONFORM TO INDUSTRY STANDARDS, THE REQUIREMENTS OF THE LATEST APPLICATION AND FINISHING OF GYPSUM BOARD" BY THE GYPSUM ASSOCIATION, EXCEPT WHERE MORE DETAILED OR MORE STRINGENT REQUIREMENTS ARE INDICATED, INCLUDING THE RECOMMENDATIONS OF THE MANUFACTURER. PROVIDE LEVEL 4 FINISH ON ALL EXPOSED GYPSUM BOARD SURFACES.
9.2 GYPSUM BOARD SHAFT WALL ASSEMBLIES - SEE DRAWINGS
9.3 PATCH AND/OR REPAIR ALL CEILING SURFACES WHERE ANY NEW FIRE PROTECTION OR ANY OTHER RELATED MEP WORK IS REQUIRED.
9.4 ACOUSTICAL PANEL CEILING
9.4.3 ATTIC STOCK: PROVIDE OWNER WITH ONE (1) CARTON EACH OF THE FOLLOWING FINISH ITEMS: ACOUSTICAL CEILING PANELS.

9.5 INTERIOR PAINTING
9.5.1 PAINT FINISHES
9.5.2 ALL NEW CONSTRUCTION SHALL BE PAINTED ONE COAT PRIMER, TWO COATS FINISH, UNLESS NOTED OTHERWISE.
9.5.3 ALL DISTURBED EXISTING CONSTRUCTION TO BE PAINTED SHALL BE CLEANED AND PREPPED, THEN REPAINTED WITH TWO COATS UNLESS NOTED OTHERWISE.
9.5.4 ALL EXPOSED METAL SURFACES TO BE PAINTED SEMI-GLOSS FINISH.
9.5.5 ALL WALLS TO RECEIVE FLAT FINISH, METALS AND WOOD TRIM, SEMI-GLOSS HEAVY DUTY BLOCK-FILLER TO BE USED ON INTERIOR OF ALL CONCRETE BLOCK WALLS. PROVIDE 1 ADDITIONAL COAT OF BLOCK-FILLER BEYOND MANUFACTURER'S RECOMMENDATION.
9.5.7 ALL COLORS TO MATCH EXISTING UNLESS OTHERWISE NOTED.
9.6 STAINING AND TRANSPARENT FINISHING
9.6.1 COLOR, TRD, STAIN TO BE BENJAMIN MOORE OF SHERWIN WILLIAMS STAIN FROM FULL RANGE OF MANUFACTURERS STANDARD COLORS.
9.6.2 FINISH SHALL BE TWO COATS OF STAIN, TWO COATS OF LOW VOC POLYURETHANE, SATIN FINISH UNLESS NOTED.
9.7 INTUMESCENT COATINGS:
9.7.1 PROVIDE FIRE-BARRIER INTUMESCENT COATINGS WHERE INDICATED. BASIS OF DESIGN: FLAMEOFF COATINGS, INC., COMPLIANT WITH ASTM E 119 AND UL 283. AT STEEL COLUMNS INDICATED, PROVIDE INTUMESCENT COATINGS PER UL DESIGN NO. Y816 TO RATING INDICATED. USE PRODUCTS ONLY BEARING THE UL CERTIFICATION MARK. STEEL COLUMNS SHALL BE FREE OF DIRT, LOOSE SCALE AND OIL. COLUMNS SHALL BE PRIMED WITH A METAL ALKYLID OR EPOXY PRIMER AT NOMINAL THICKNESS OF 1 MIL. INTUMESCENT COATING SPRAY OR BRUSH-APPLIED DIRECTLY FROM CONTAINERS TO REQUIRED THICKNESS FOR THE APPLICABLE RATING. SEE UL PRODUCT ID FOR UL DESIGN NO. Y816 FOR THE REQUIRED MINIMUM FINAL DRY THICKNESS AT APPLICABLE RATINGS. OTHER MANUFACTURERS INCLUDE: GREENTECH THERMAL INSULATION PRODUCTS MFG CO. LLC, AND ISOLATEK INTERNATIONAL.
11. DIVISION 11: EQUIPMENT
11.1 CONTRACTOR SHALL REMOVE ALL EXISTING BOAT STORAGE RACK EQUIPMENT AS REQUIRED FOR THE PROPER EXECUTION OF THE PROJECT, PER MANUFACTURER'S INSTRUCTIONS. CONTRACTOR SHALL MODIFY BOAT STORAGE RACK EQUIPMENT AS REQUIRED FOR THE INSTALLATION OF THE NEW SPRINKLER SYSTEM. PER MANUFACTURER'S INSTRUCTIONS, CONTRACTOR SHALL RE-INSTALL, AFTER INSTALLATION OF SFIRM, THERMAL INSULATION, AND NEW SPRINKLER SYSTEM, IN COORDINATION WITH THE INSTALLATION OF THE NEW SPRINKLER SYSTEM AND ACOUSTICAL PANEL CEILING SYSTEM, PER MANUFACTURER'S INSTRUCTIONS.
11.2 CONTRACTOR SHALL FOLLOW SPECIFIC INSTALLATION GUIDELINES FOR THE RE-INSTALL OF BOAT STORAGE RACKS' STRUCTURAL CONNECTION CLIPS TO EXISTING STEEL FRAMING RECEIVING NEW SFIRM AND THERMAL INSULATION. ALL CODE REQUIREMENTS AND UL DESIGN REQUIREMENTS SHALL BE FOLLOWED AS PERTAINS TO THE COVERAGE REQUIRED TO MAINTAIN THE 1-HR RATING ON THE STRUCTURAL STEEL SURFACES.
FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL SPECIFICATIONS ARE FOUND ON MEP/FP DRAWING SHEETS.

OWNER'S PROJECT #: GL-2022-16

#	DESCRIPTION	DATE

REVISIONS:



OUTLINE SPECIFICATIONS

DATE: 11-16-2021

NCA JOB NO.: 21031

DRAWING NO.:

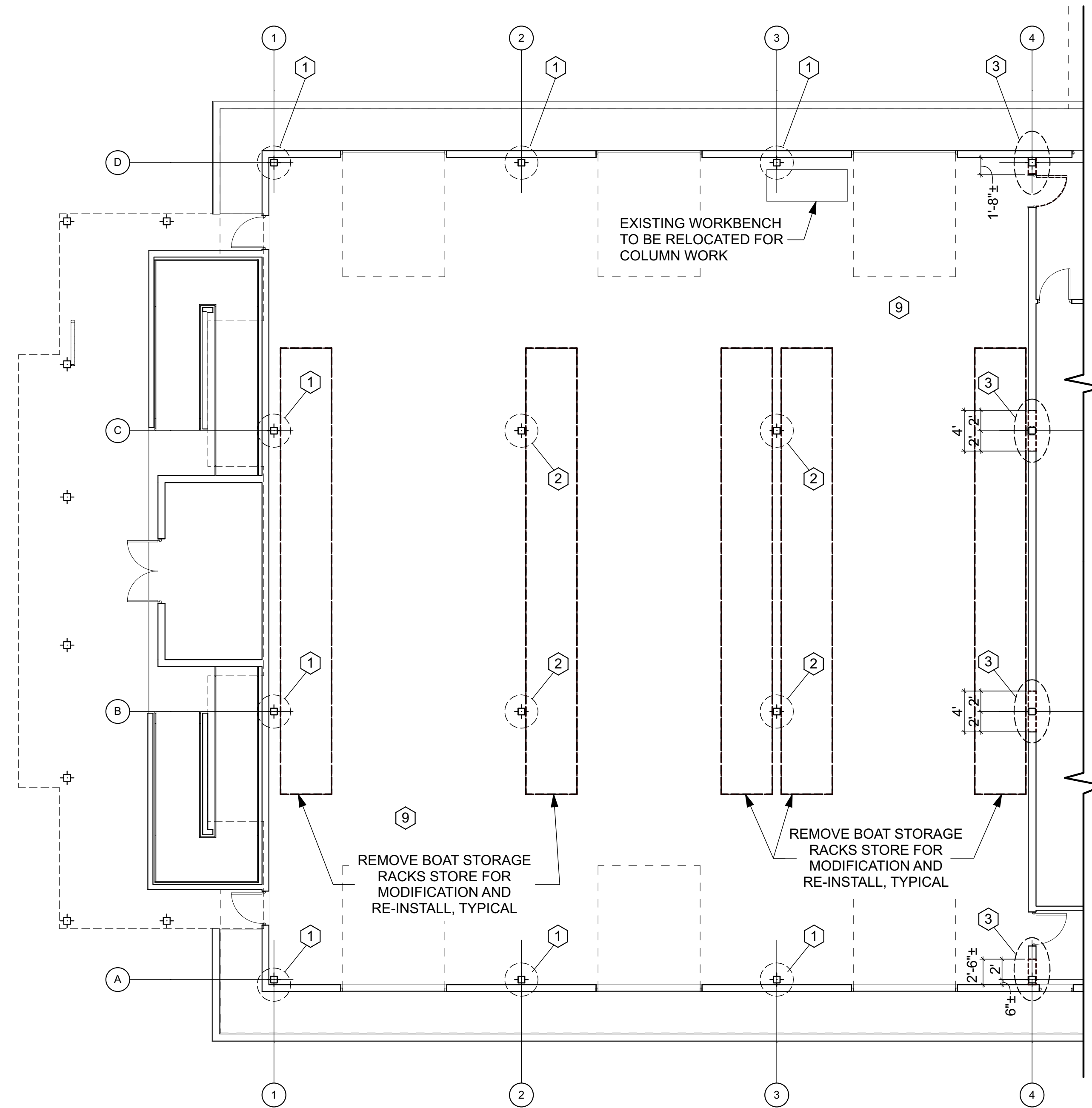
A-002



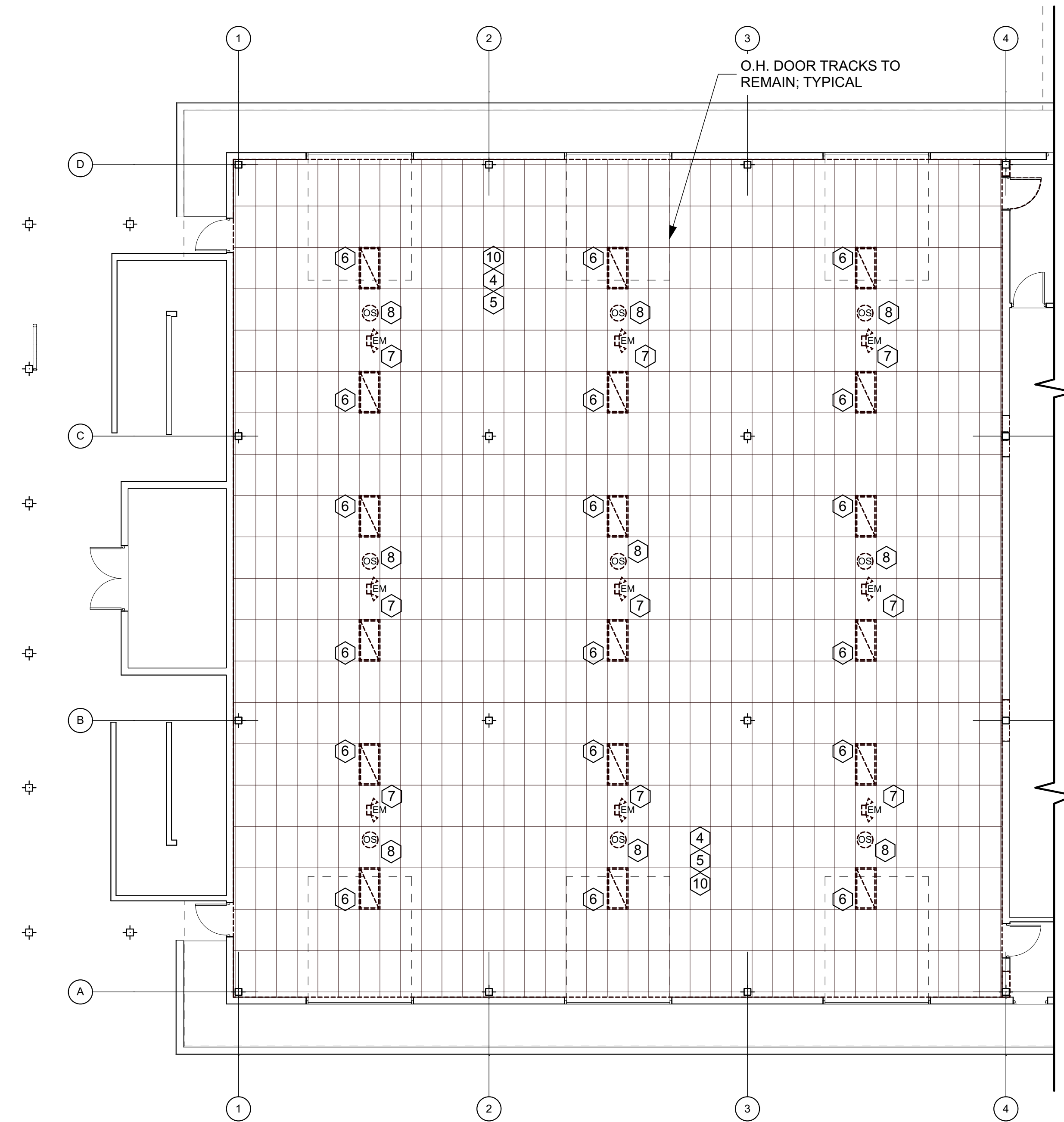
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1 GROUND FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



2 REFLECTED CEILING DEMOLITION PLAN @ GROUND FLOOR
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

DEMOLITION NOTES

- CONTRACTOR SHALL COORDINATE ALL ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO COMMENCEMENT OF DEMOLITION.
- DRAWINGS DO NOT PURPORT TO SHOW ALL OBJECTS EXISTING AT THE SITE. BEFORE WORK IS TO COMMENCE CONTRACTOR SHALL FIELD VERIFY ALL (V.I.F.) EXISTING CONDITIONS AND ELEMENTS TO BE PRESERVED AND REPORT TO THE ARCHITECT ANY DISCREPANCIES OR QUESTIONABLE ITEMS FOR DISCREPANCY RESOLUTION.
- REFER TO DEMOLITION PLANS AND ELEVATIONS, NOT ALL DEMOLITION ITEMS.
- THE CONTRACTOR SHALL USE ALL MEANS NECESSARY TO PROTECT AND PRESERVE EXISTING CONDITIONS AND OBJECTS DESIGNATED TO REMAIN. IN THE EVENT OF DAMAGE, IMMEDIATELY MAKE ALL REPAIRS AND REPLACEMENTS NECESSARY.
- THE CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO EXISTING ITEMS TO REMAIN. ALL CUTTING IN WALLS TO REMAIN SHALL BE DONE WITH MINIMAL DAMAGE TO ADJACENT AREAS/SURFACES.
- NOTIFY THE ARCHITECT AT LEAST (2) TWO FULL DAYS PRIOR TO COMMENCING DEMOLITION WORK.
- REMOVE ALL ELECTRICAL ITEMS INCLUDING BUT NOT LIMITED TO LIGHTING, OUTLETS, CONDUITS, JUNCTION BOXES, PANELS, ETC. REMOVE ALL ATTACHMENTS AS WELL, INCLUDING BRACKETS, CLAMPS, BOLTS, AND LAG SCREWS. DAMAGED EXISTING WOOD OR MASONRY THAT IS TO REMAIN SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO OWNER.
- PATCH ALL HOLES IN REMAINING CONSTRUCTION WITH NEW MATERIALS THAT MATCH EXISTING. (INCLUDING PIPE HOLES, CONDUIT HOLES, ETC.)
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY.
- CONTRACTOR SHALL VISIT SITE TO DETERMINE TYPES OF ITEMS TO BE REMOVED, AND APPROPRIATE METHODS FOR THEIR REMOVAL.
- CONTRACTOR SHALL PROVIDE WALL & FLOOR PROTECTION AS REQUIRED TO NOT DAMAGE SAME.
- RETURN ALL REUSABLE DEMOLISHED ITEMS TO OWNER U.O.M. OR AS PER OWNER'S INSTRUCTIONS.
- ALL ITEMS TO REMAIN SHALL BE LEFT IN AS FOUND CONDITION.

KEY NOTES

- CLEAN AND PREPARE PERIMETER COLUMN INCLUDING CLEAR VOID TO WALL.
- CLEAN AND PREPARE INTERIOR COLUMN.
- DEMO ADJACENT WALL DOWN TO METAL STUD. REMOVE SPRAY INSULATION AS NEEDED.
- REMOVE CEILING CEILING GRID AND TILES (RETAIN FOR POTENTIAL REUSE); SEE BASE BID AND ALTERNATE #1 DESCRIPTIONS.
- REMOVE EXISTING SPRAY INSULATION AND CLEAN UNDERSIDE OF METAL COMPOSITE DECK.
- REMOVE LIGHTING FIXTURE, SAVE FOR RE-INSTALLATION; TYPICAL.
- REMOVE EMERGENCY FIXTURE PACK, SAVE FOR RE-INSTALLATION; TYPICAL.
- REMOVE OCCUPANCY SENSOR, SAVE FOR RE-INSTALLATION; TYPICAL.
- CLEAN AND PREPARE CONCRETE FLOOR FOR STRIPPING.
- REMOVE EXISTING SPRINKLER PIPING AND HEADS; SEE FIRE PROTECTION DRAWINGS.

OWNER'S PROJECT #: GL-2022-16

#	DESCRIPTION	DATE

REVISIONS:



GROUND FLOOR DEMOLITION PLANS

DATE: 11-16-2021

NCA JOB NO.: 21031

DRAWING NO.: **AD-101**



NORTHEAST
COLLABORATIVE
ARCHITECTS
500 Plaza Middlesex
Middletown, CT 06457
v. 860-344-9332

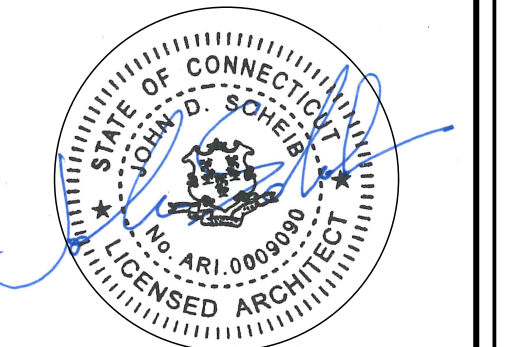
MEP/FP Engineers:
Consulting Engineering Services (CES)
811 Middle Street
Middletown, CT 06457
Phone: (860) 632-1682

CODE IMPROVEMENTS RIVERFRONT BOATHOUSE
252 WELLES STREET
GLASTONBURY, CT. 06033

OWNER'S PROJECT #: GL-2022-16

#	DESCRIPTION	DATE

REVISIONS:



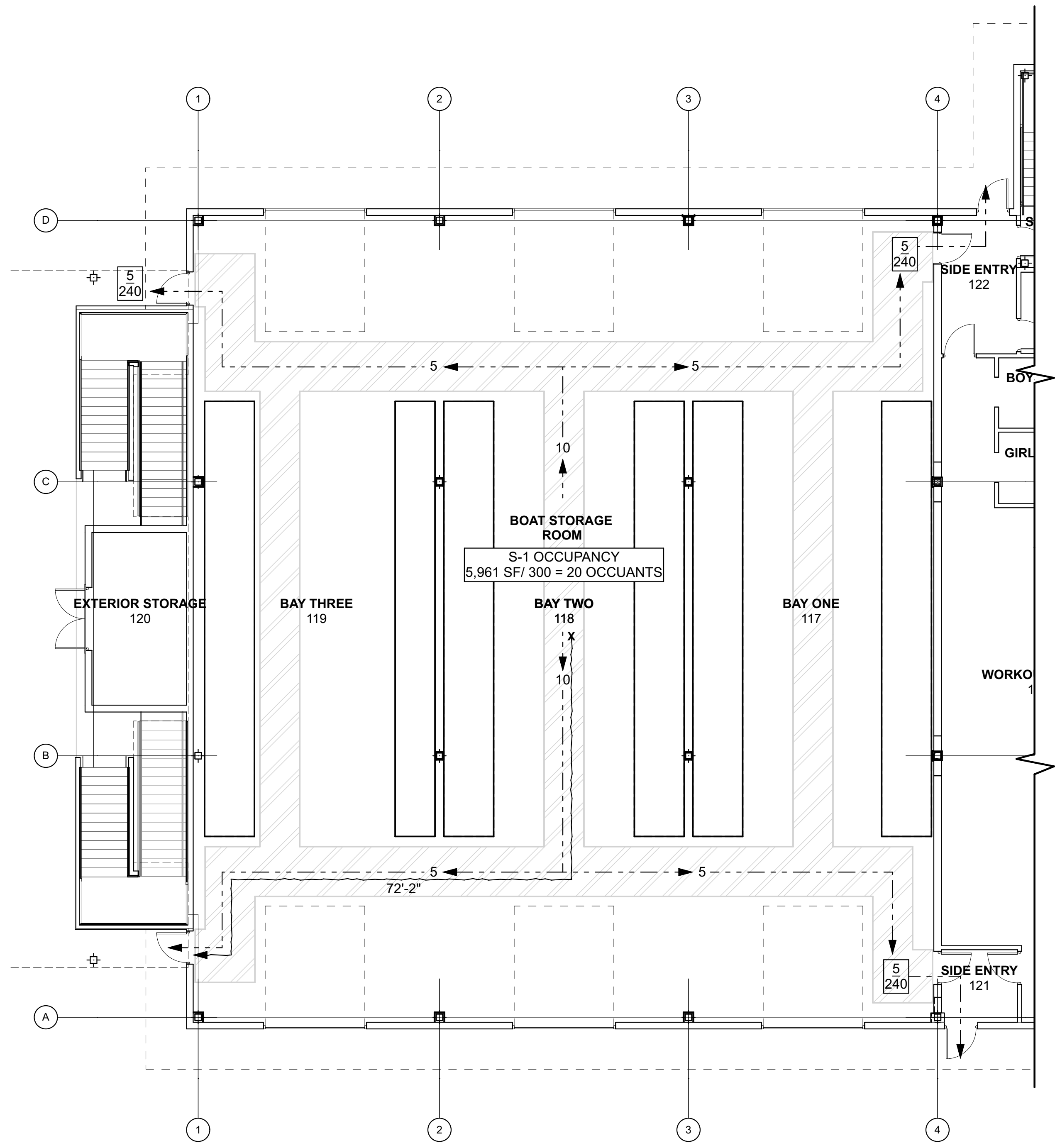
**GROUND FLOOR
CODE PLAN AND
CONSTRUCTION
PLAN**

DATE: 11-16-2021

NCA JOB NO.: 21031

DRAWING NO.:

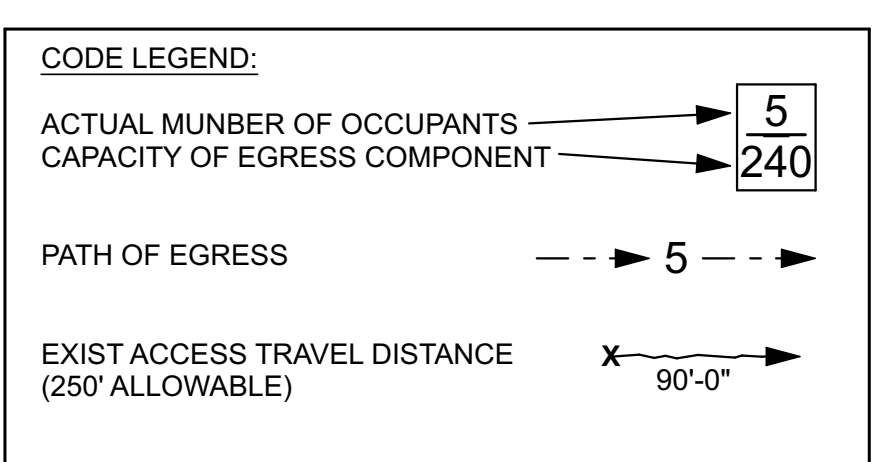
A-101



1 GROUND FLOOR CODE PLAN
SCALE: 1/8" = 1'-0"

CODE NOTES:

- ALL PENETRATIONS BETWEEN GROUND FLOOR AND UPPER FLOOR SHALL BE SMOKE TIGHT
- ALL PENETRATIONS BETWEEN GROUND FLOOR (BOAT STORAGE AREA) AND UPPER FLOOR SHALL MEET A 1-HR FIRE RATING

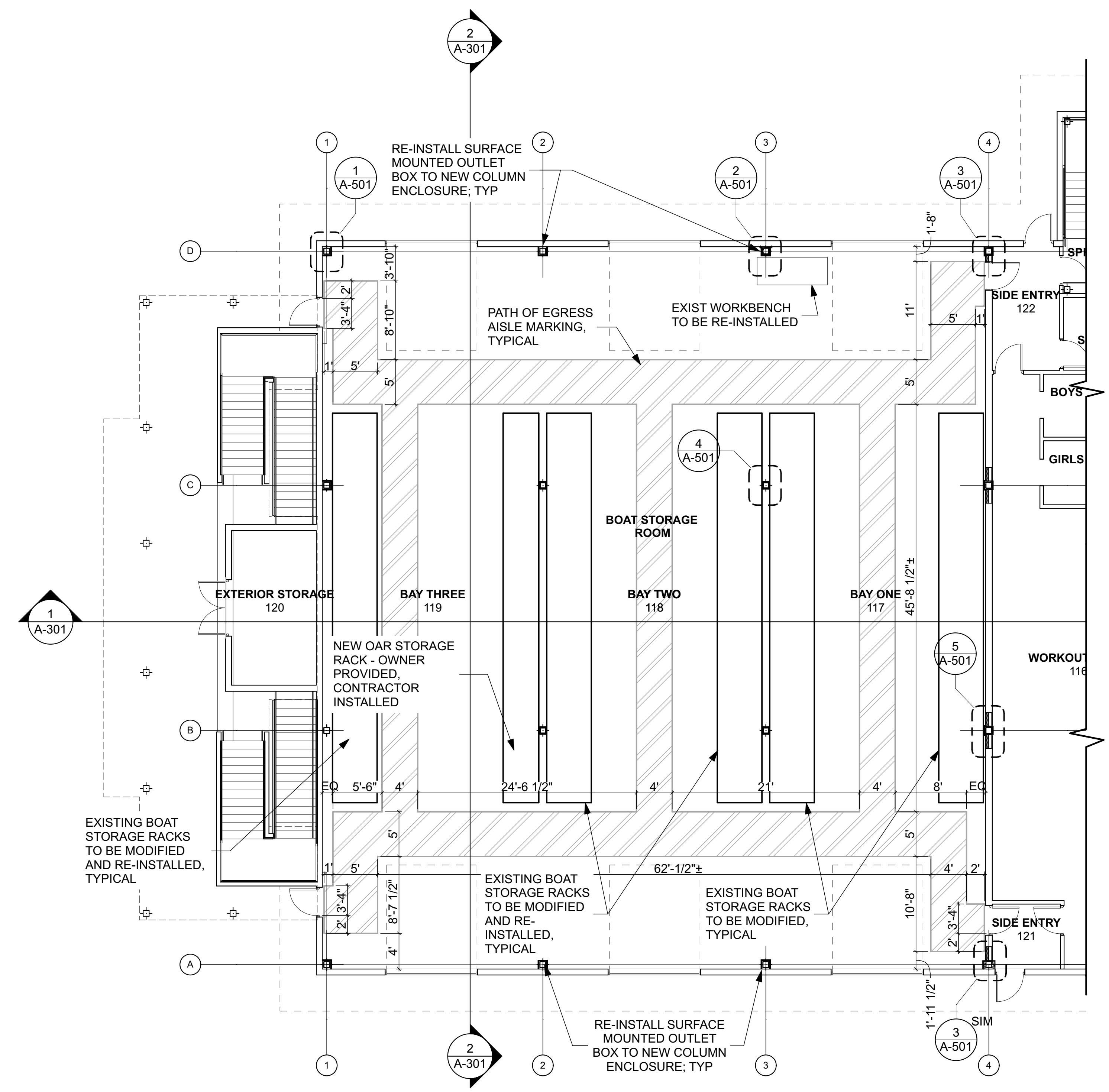


STATE BUILDING CODE
International Building Code 2003
Connecticut Supplement 2005, 2009, 2011

International Energy Conservation Code, 2009, With 2011 Amendment
State Public Health Code
2003 ICC / ANSI A117.1

STATE FIRE SAFETY CODE
International Fire Code 2003
NFPA 1, Uniform Fire Code 2003
NFPA 101, Life Safety Code 2003
NFPA 70, 2005
Connecticut Supplement 2005, 2009

1.0 CLASSIFICATION OF OCCUPANCY (Chapter 6):	Mixed (Assembly, Storage)
2.0 CONSTRUCTION CLASSIFICATION:	New
3.0 MINIMUM CONSTRUCTION TYPE REQUIRED:	Type II-000
4.0 ACTUAL CONSTRUCTION TYPE PROVIDED:	Type II-000
5.0 NOTIFICATIONS/ALARMS (Chapter 9):	Audible/Visual
6.0 DETECTION (Chapter 9):	Smoke/Heat Where Required
7.0 EXTINGUISHMENT REQUIREMENTS (Chapter 9):	Automatic Sprinkler System

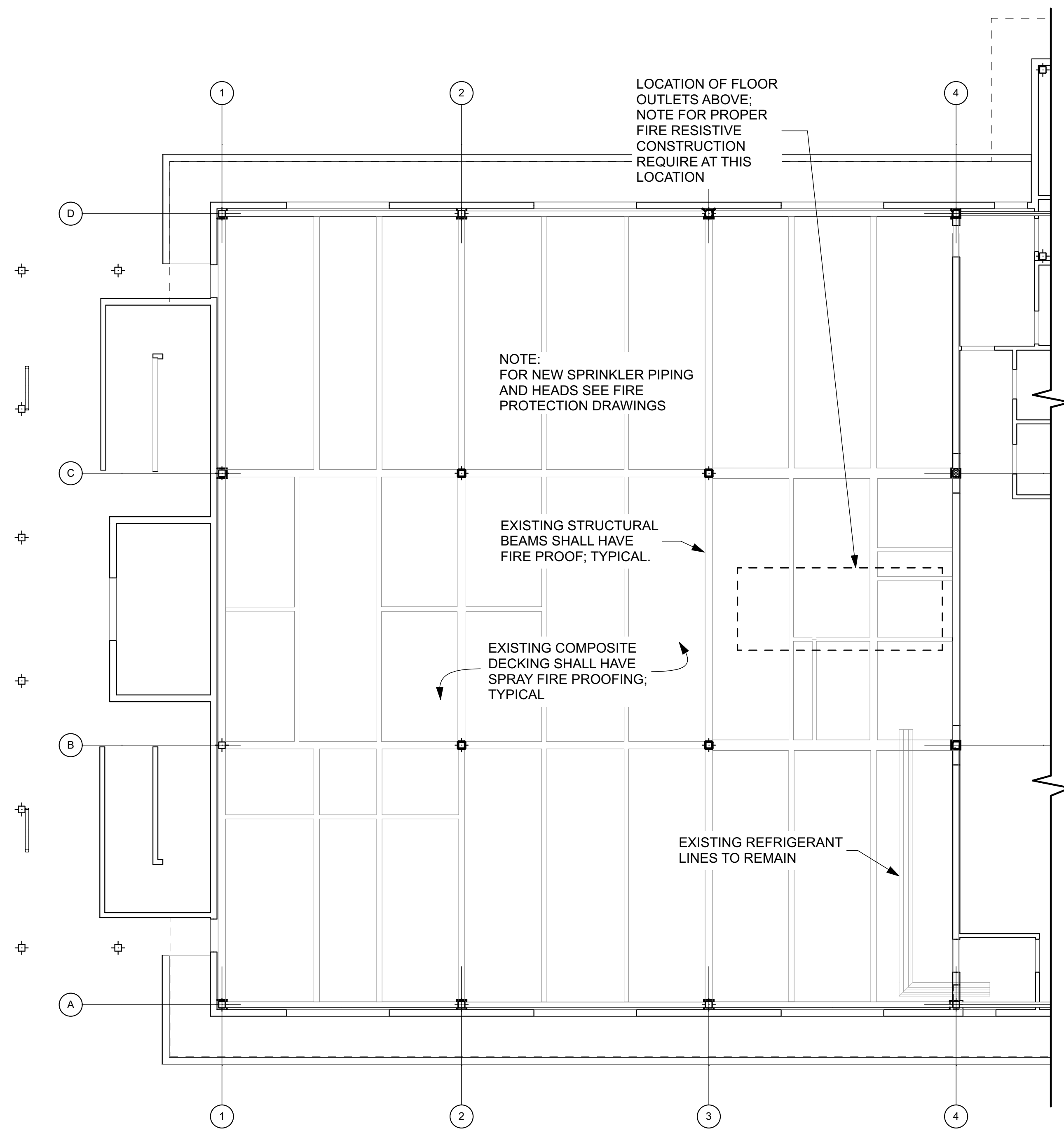


2 GROUND FLOOR CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"



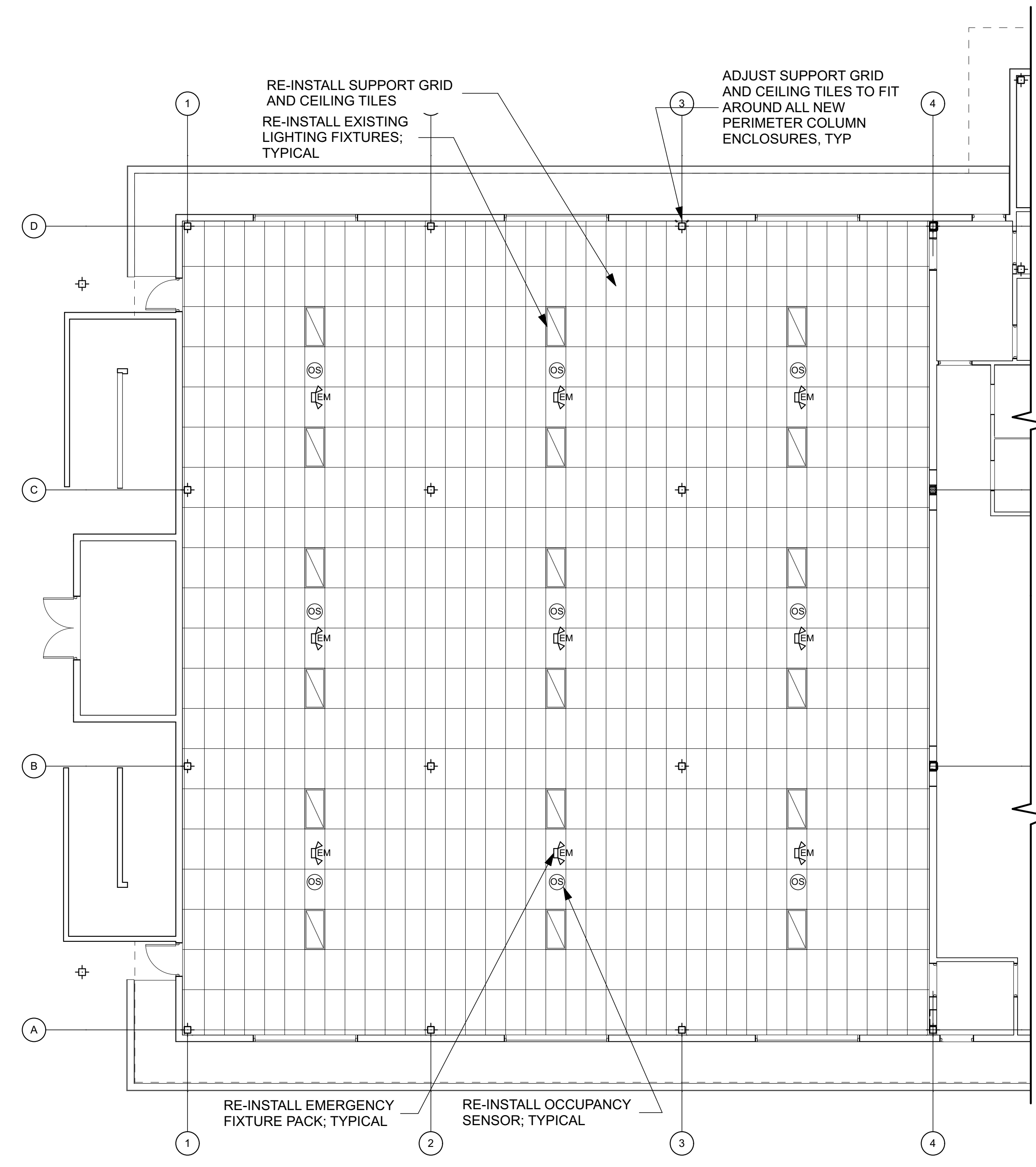
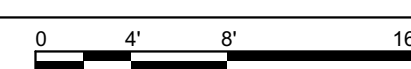
NORTHEAST
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500 Plaza Middlesex
Middletown, CT 06457
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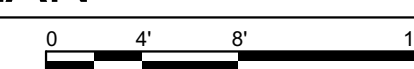
1 GROUND FLOOR @ ABOVE CEILING

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



2 GROUND FLOOR REFLECTED CEILING PLAN

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



BASE BID:
- RE-INSTALL EXISTING AT GRID,
CEILING TILES.

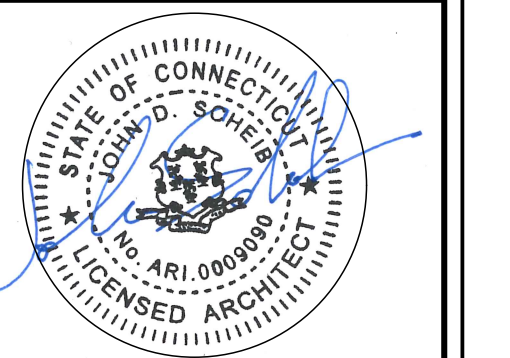
ALTERNATE #1:
- NEW SUSPENDED ACOUSTICAL CEILING GRID
- NEW CEILING TILES TO MATCH EXISTING

CODE IMPROVEMENTS RIVERFRONT BOATHOUSE
252 WELLES STREET
GLASTONBURY, CT. 06033

OWNER'S PROJECT #: GL-2022-16

#	DESCRIPTION	DATE

REVISIONS:



**GROUND FLOOR
CEILING PLANS**

DATE: 11-16-2021

NCA JOB NO.: 21031

DRAWING NO.:

A-102



NORTHEAST
COLLABORATIVE
ARCHITECTS
500 Plaza Middlesex
Middletown, CT 06457
v. 860-344-9332

MEP/FP Engineers:
Consulting Engineering Services (CES)
811 Middle Street
Middletown, CT 06457
Phone: (860) 632-1682

CODE IMPROVEMENTS RIVERFRONT BOATHOUSE
252 WELLES STREET
GLASTONBURY, CT. 06033

OWNER'S PROJECT #: GL-2022-16

#	DESCRIPTION	DATE

REVISIONS:

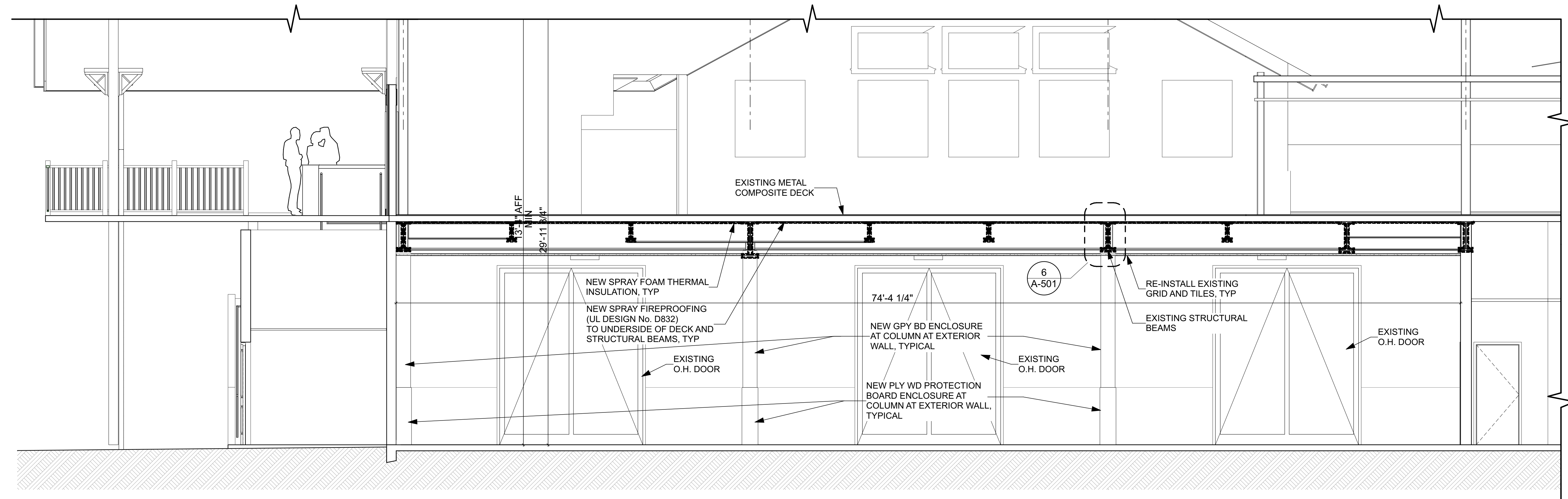


BUILDING SECTIONS

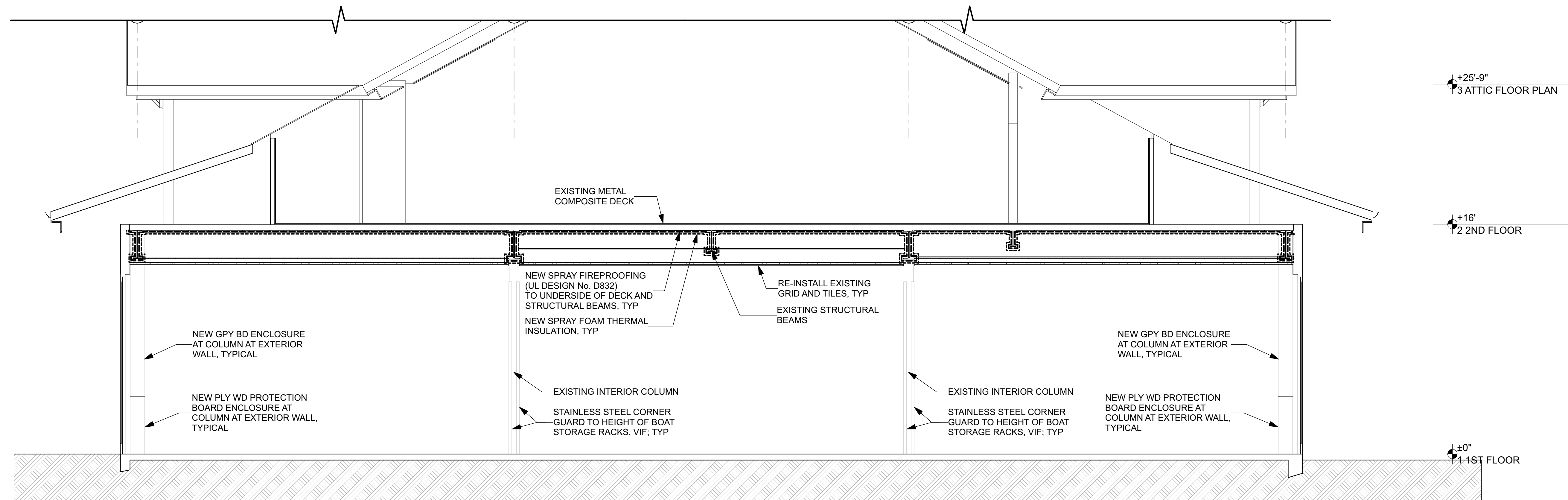
DATE: 11-16-2021

NCA JOB NO.: 21031

DRAWING NO.: **A-301**



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



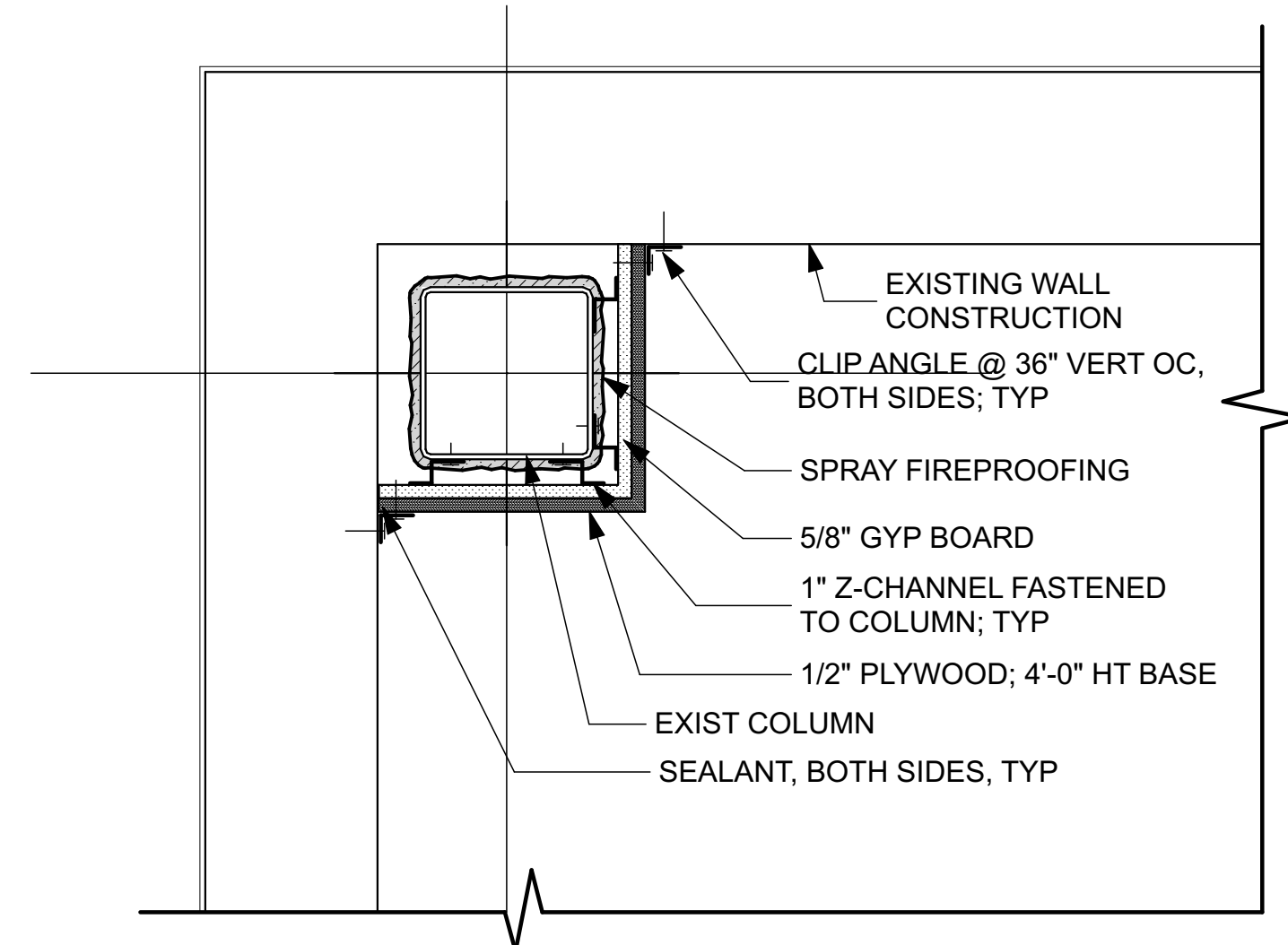
2 BUILDING SECTION
SCALE: 1/4" = 1'-0"



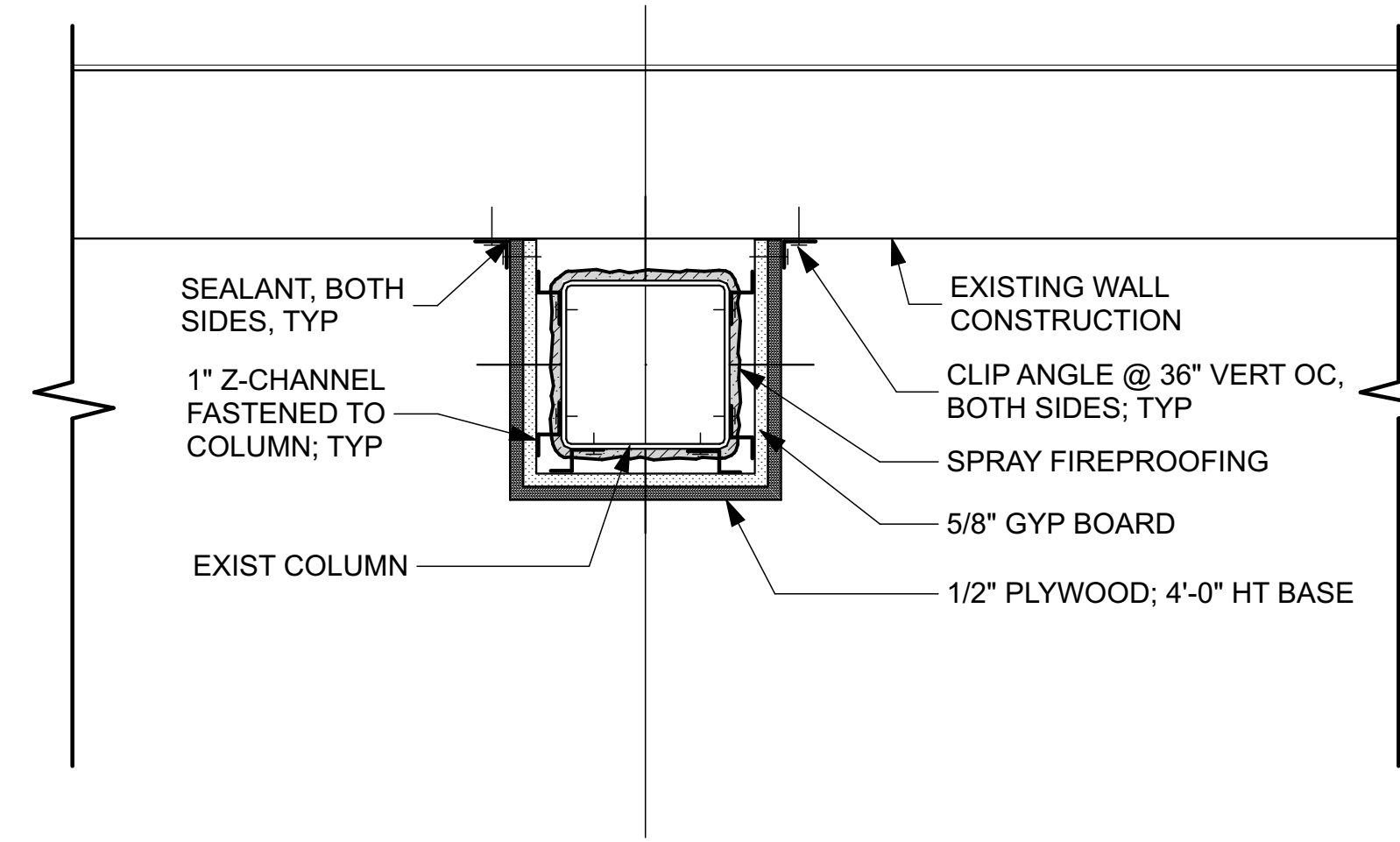
NORTHEAST
COLLABORATIVE
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500 Plaza Middlesex
Middletown, CT 06457
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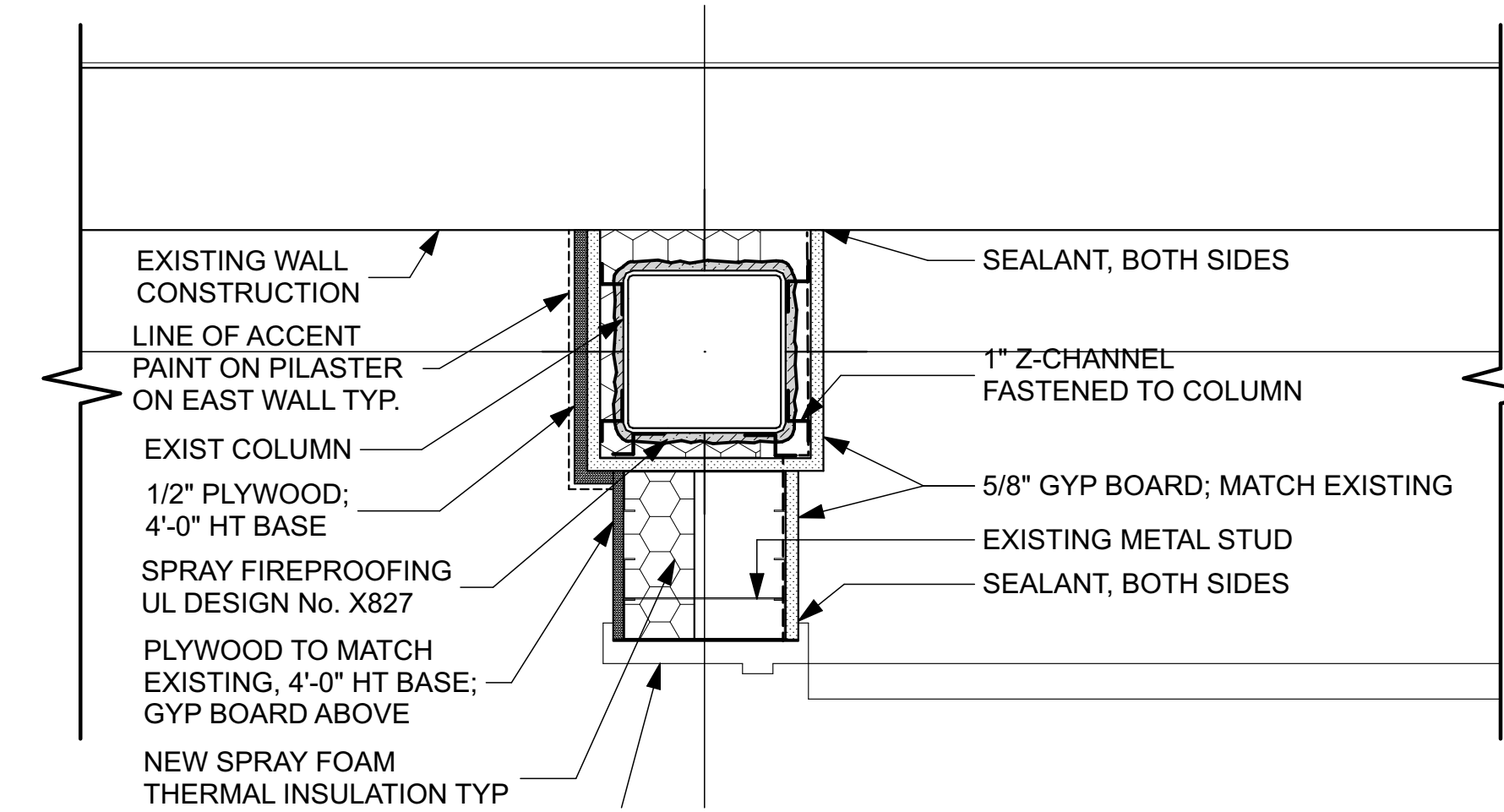
CODE IMPROVEMENTS RIVERFRONT BOATHOUSE
252 WELLES STREET
GLASTONBURY, CT. 06033



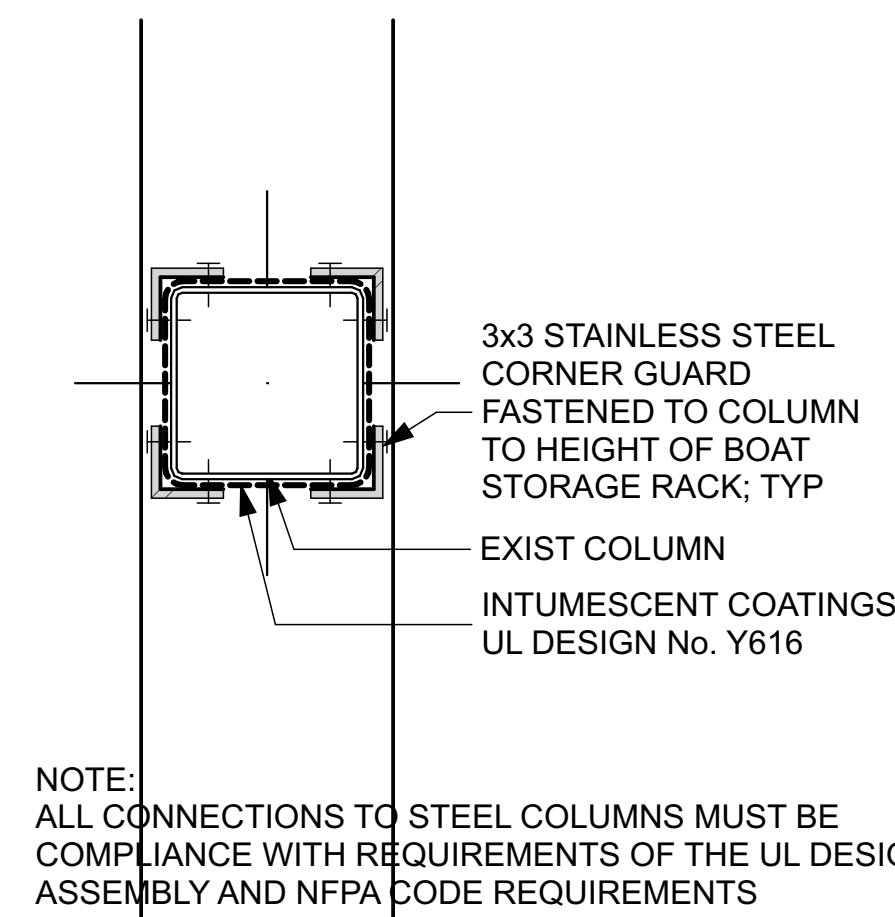
1 ENLARGED FLOOR PLAN @ 1 1/2"
SCALE: 1 1/2" = 1'-0"



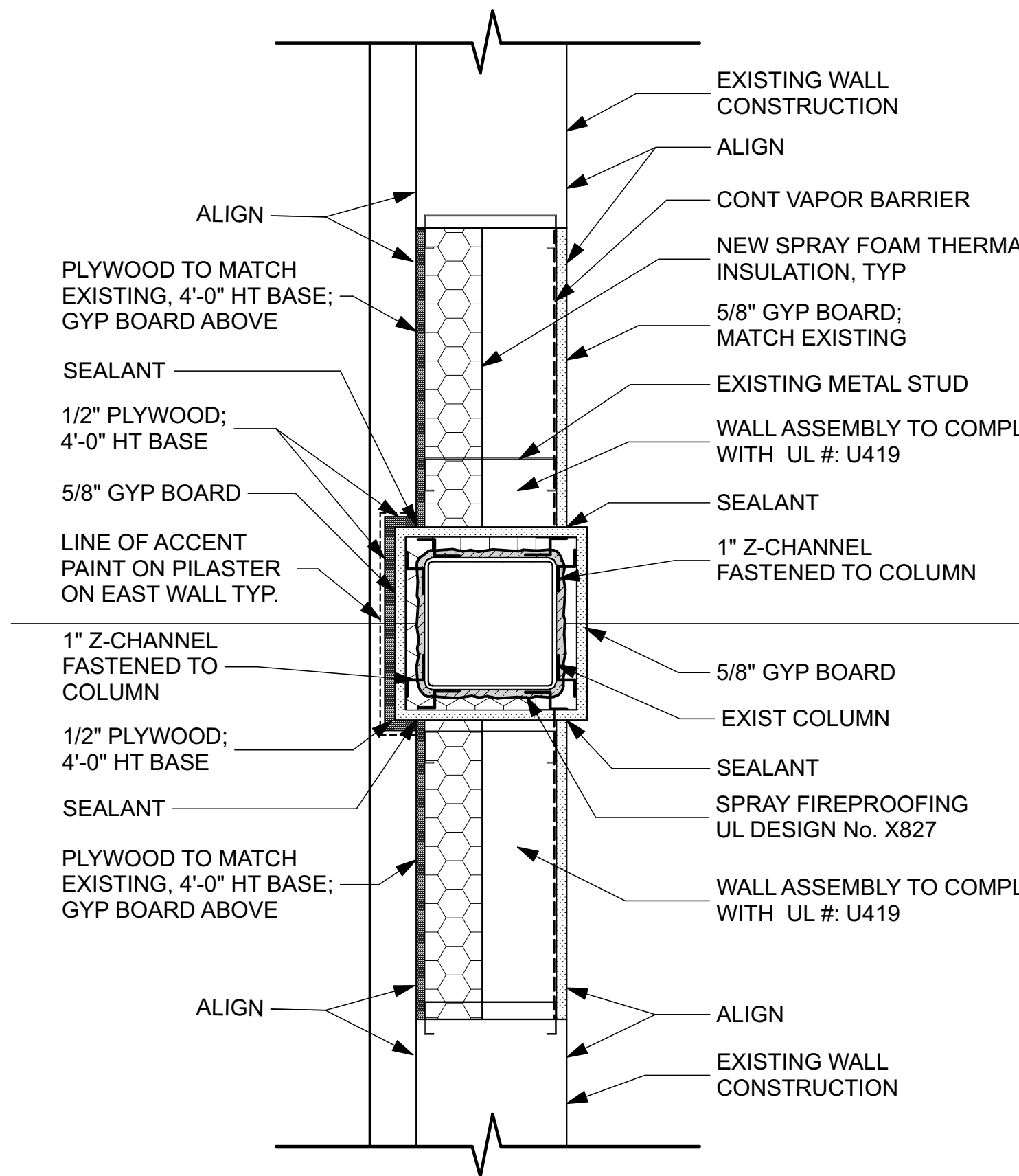
2 ENLARGED FLOOR PLAN @ 1 1/2"
SCALE: 1 1/2" = 1'-0"



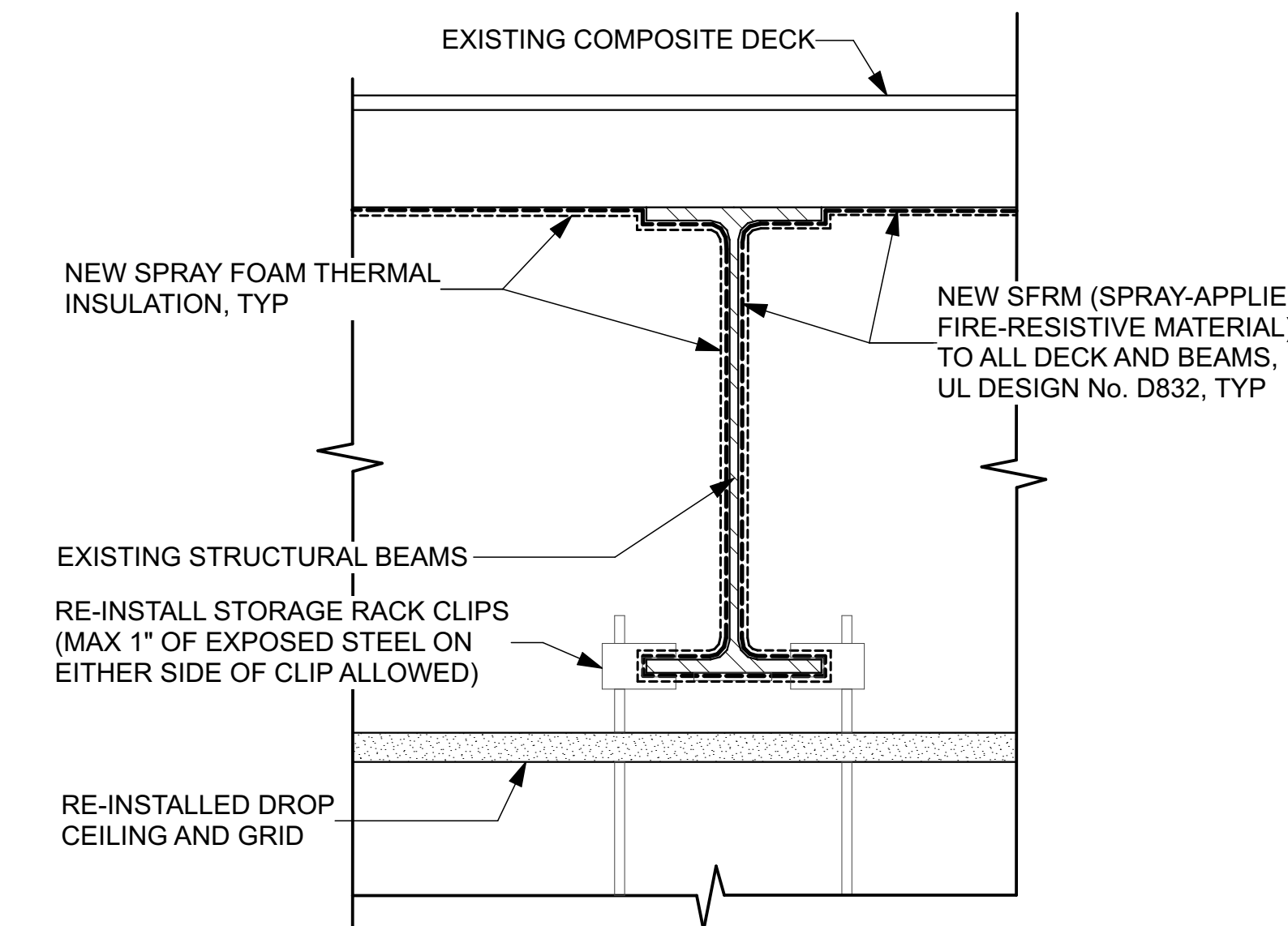
3 ENLARGED FLOOR PLAN @ 1 1/2"
SCALE: 1 1/2" = 1'-0"



4 ENLARGED FLOOR PLAN @ 1 1/2"
SCALE: 1 1/2" = 1'-0"



5 ENLARGED FLOOR PLAN @ 1 1/2"
SCALE: 1 1/2" = 1'-0"



6 TYP. SECTION DETAIL @ O.H. BEAMS
SCALE: 1 1/2" = 1'-0"

NOTE:
ALL CONNECTIONS TO STEEL COLUMNS MUST BE
COMPLIANCE WITH REQUIREMENTS OF THE UL DESIGN
ASSEMBLY AND NFPA CODE REQUIREMENTS

OWNER'S PROJECT #: GL-2022-16

#	DESCRIPTION	DATE

REVISIONS:



PLAN DETAILS AND SECTION DETAIL

DATE: 11-16-2021

NCA JOB NO.: 21031

DRAWING NO.:

A-501

FIRE PROTECTION SYMBOL LEGEND	
SYMBOL	DESCRIPTION
— DRY —	SPRINKLER MAIN (DRY)
— WET —	SPRINKLER MAIN (WET)
⬇	ALARM BELL
⬆	*WET* ALARM VALVE RISER
⬆	*DRY* ALARM VALVE RISER
⬆	*DRY* PREACTION, DELUGE VALVE RISER
⌵	ANGLE VALVE
□	SITE GLASS
⌵	FIRE DEPARTMENT CONNECTION
◆	POST INDICATOR VALVE
XXX	FLUSH MOUNTED FIRE PUMP TEST HEADER
⌵	SURFACE MOUNTED FIRE PUMP TEST HEADER
⌵	90° ELBOW DOWN
⌵	90° ELBOW UP
⌵	TEE UP
⌵	TEE DOWN
⌵	DROP AND RUN
⌵	UNION
⌵	OS&Y GATE VALVE
⌵	GATE VALVE
⌵	CHECK VALVE
⌵	BALL VALVE/DRAIN VALVE
⌵	BUTTERFLY VALVE
⌵	RELIEF VALVE
⌵	DOUBLE CHECK VALVE ASSEMBLY
⌵	REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY AND DRAIN
⌵	STRAINER
⌵	PRESSURE GAUGE
⌵	PRESSURE REDUCING VALVE
⌵	CONNECT NEW TO EXISTING
⌵	POST MOUNTED FIRE DEPARTMENT CONNECTION
⌵	STORZ FIRE DEPARTMENT CONNECTION
FS	FLOW SWITCH
TS	TAMPER SWITCH
PS	PRESSURE SWITCH
ATS	AUTOMATIC TRANSFER SWITCH
FPC	FIRE PUMP CONTROLLER
JPC	JOCKEY PUMP CONTROLLER
PAC	PREACTION ALARM ASSEMBLY CABINET
HVC	HOSE VALVE CABINET

SPRINKLER SYSTEM NOTES			
1.	THESE GENERAL NOTES ARE APPLICABLE TO ALL FIRE PROTECTION DRAWINGS.		
2.	DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL INTENT OF WORK. SEE DETAILS, RISERS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.		
3.	THE DRAWINGS INDICATE A SUGGESTED SPRINKLER HEAD LAYOUT AND THAT EACH AREA IS COVERED BY SPRINKLER PROTECTION AS REQUIRED BY ALL APPLICABLE STATE OF CT BUILDING AND FIRE CODES. THE SPRINKLER QUANTITIES SHALL NOT BE COUNTED, AS A TAKE OFF OR AS EXACT LOCATIONS. EXACT SPACING, DENSITY, AND LOCATION REQUIREMENTS SHALL BE AS DICTATED BY NFPA 13.		
4.	FLOW DATA PERFORMED ON NOVEMBER 3, 2020 AT A HYDRANT LOCATED AT GLASTONBURY BOATHOUSE WAS RECORDED AS FOLLOWS: STATIC PRESSURE: 106 PSI RESIDUAL PRESSURE: 100 PSI FLOW RATE: 1550 GPM THIS FLOW DATA SHALL BE USED AS A GUIDE BY THE CONTRACTOR. THE CONTRACTOR SHALL PERFORM AN ADDITIONAL FLOW TEST TO VERIFY THIS INFORMATION. INFORMATION FROM THE CONTRACTOR'S FLOW TEST SHALL BE USED FOR HYDRAULIC CALCULATIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS INCLUDING EXISTING TEE OUTLET SIZE FOR ALL RETURN BEND ASSEMBLIES. BEFORE ANY NEW WORK STARTS, THE CONTRACTOR SHALL DETERMINE THAT ALL EXISTING OUTLETS ARE A MINIMUM OF ONE INCH. IF IT IS DETERMINED THAT THE EXISTING OUTLET SIZE IS LESS THAN ONE INCH, ALL SPRINKLER WORK SHALL STOP AND IT SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION. THE CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL DIRECTION IS GIVEN BY THE ARCHITECT. COMBINED INSIDE AND OUTSIDE HOSE STREAM ALLOWANCE FOR HYDRAULIC CALCULATIONS SHALL BE 250 GPM.		
5.	HYDRAULIC CALCULATIONS SHALL INCLUDE A SAFETY FACTOR OF 10 PSI.		
6.	PIPE VELOCITY AT ANY POINT OF THE SYSTEM SHALL NOT EXCEED 18 FPS.		
7.	INSTALLATION OF SPRINKLERS SHALL BE BASED ON THE FOLLOWING:		
	AREA	OCCUPANCY CLASSIFICATION	DENSITY (GPM/SF)
	STORAGE BAYS	ORDINARY HAZARD GROUP 2	0.30
			2000

FIRE PROTECTION ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
CR	CORROSION RESISTANT
D	DRY
DCV	DOUBLE CHECK VALVE
EC	EXTENDED COVERAGE
ELEV	ELEVATION
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FD	FIRE DEPARTMENT
FDC	FIRE DEPARTMENT CONNECTION
FHV	FIRE HOSE VALVE
FP	FIRE PROTECTION
FPC	FIRE PUMP CONTROLLER
FFM	FEET PER MINUTE
FS	FLOW SWITCH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	TOTAL DEVELOPED HEAD
HTC	HIGH TEMPERATURE CLASSIFICATION
HVC	HOSE VALVE CABINET
ITC	INTERMEDIATE TEMPERATURE CLASSIFICATION
JP	JOCKEY PUMP
JPC	JOCKEY PUMP CONTROLLER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE
OS&Y	OUTSIDE SCREW AND YOLK
PA	PREACTION
PAC	PREACTION ALARM VALVE CABINET
PD	PRESSURE DROP
PIV	PRESSURE INDICATOR VALVE
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
SS	SUPERVISORY SWITCH
TS	TAMPER SWITCH
TYP	TYPICAL
V	VOLTS
VEL	VELOCITY
WG	WIRE GUARD

FIRE PROTECTION DEMOLITION NOTES	
1.	THE FIRE PROTECTION CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEM AND CONDITIONS IN AREAS OF RENOVATION.
2.	ALL EXISTING PIPING AND EQUIPMENT SHOWN HAS BEEN TAKEN FROM THE BEST AVAILABLE EXISTING INFORMATION. THE DRAWINGS ARE DIAGRAMMATIC AND ALL PIPING AND DEVICES MAY NOT BE SHOWN. THE INTENT OF THESE DRAWINGS IS THAT IN ALL AREAS OF RENOVATION THAT THESE SYSTEMS ARE REMOVED UNLESS OTHERWISE INDICATED WHETHER OR NOT SHOWN.
3.	THE FIRE PROTECTION CONTRACTOR SHALL REMOVE ALL FIRE PROTECTION PIPING SYSTEM INCLUDING BUT NOT LIMITED TO SPRINKLER AND/PIPE, SPRINKLER HANGERS, VALVE, SWITCHES, AND DEVICES UNLESS OTHERWISE INDICATED. COORDINATE WITH ELECTRICAL CONTRACTOR ALL WIRING WORK RELATED TO DEVICES BEING REMOVED.
4.	ALL PIPING TO BE REMOVED SHALL BE REMOVED COMPLETELY OR CAPPED AS SHOWN WITHOUT LEAVING ANY DEAD ENDED PIPING OR ABANDONED PIPING.
5.	NO FIRE PROTECTION EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED OR ABANDONED SHALL REMAIN.
6.	IT IS THE INTENT OF THESE DRAWINGS THAT ANY AND ALL DEVICES REMOVED SHALL NOT BE REUSED SUCH AS SPRINKLERS, BUT ONLY NEW SHALL BE INSTALLED.
7.	ANY SYSTEM OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
8.	ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED WITH THE OWNER A MINIMUM OF 3 DAYS IN ADVANCE. THE FIRE MARSHALL MUST BE CONTACTED IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
9.	THE FIRE MARSHALL AND OR THE INSURANCE UNDERWRITER SHALL BE CONTACTED TO REVIEW AND APPROVE THE EXTENT OR PHASING OF THE FIRE PROTECTION DEMOLITION IN ORDER TO PROTECT THE OCCUPANTS AND PROPERTY. THESE DOCUMENTS DO NOT ADDRESS THE PHASING OF THE SYSTEM REMOVAL ONLY THE EXTENT.
10.	THE FIRE PROTECTION CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

FIRE PROTECTION DEMOLITION LEGEND	
ABBREVIATION	DESCRIPTION
////	REMOVE PIPE, FIXTURE OR EQUIPMENT
ETR	EXISTING TO REMAIN
ER	EXISTING TO BE RELOCATED
R	REMOVE

COMMERCIAL SPRINKLER HEAD SCHEDULE																					
SYMBOL	K-FACTOR	STANDARD OR QUICK RESPONSE (QR)	UPRIGHT	PENDENT	RECESSED	CONCEALED PENDENT	HORIZONTAL SIDEWALL	WITH GUARD	ABOVE CEILING	DRY	INSTITUTIONAL	EXTENDED COVERAGE	UL-LISTED	FM-APPROVED	MANUFACTURER & MODEL	MAXIMUM LISTED COVERAGE AREA L x W (FT)	MINIMUM REQUIRED PRESSURE (PSI)	GENERAL LOCATION OF SPRINKLER HEADS (REFER TO DRAWINGS FOR ACTUAL LOCATIONS)	NOTE: *ALL FINISHES ARE SUBJECT TO APPROVAL BY ARCHITECT.	FINISH*	CLASSIFICATION
● _D	8.0	QR		○						○			○	○	VIKING MODEL# VK290	15 x 15	7 PSI	STORAGE		BRASS	LIGHT & ORDINARY HAZARD
⊗ _D	8.0	QR		○				○	○				○	○	VIKING MODEL# VK366 WITH #E-1 WATER SHIELD & #D-1 SPRINKLER GUARD	15 x 15	7 PSI	IN RACK		BRASS	LIGHT & ORDINARY HAZARD

NOTES:
 1. ALL TYPES OF SPRINKLER HEADS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
 2. PROVIDED SPRINKLER GUARDS IN MECHANICAL ROOMS, ELECTRICAL & TELECOM (I.T.) CLOSETS, UPS ROOMS AND ALL ROOMS WHERE SPRINKLERS MAY BE SUBJECT TO ACCIDENTAL DAMAGE.
 3. ALL SPRINKLER HEADS THROUGHOUT SHALL BE OF ORDINARY TEMPERATURE RATING (135 - 170 DEG. F), WITH THE FOLLOWING EXCEPTIONS:
 A. SPECIFIED IN TABLE BELOW AS INTERMEDIATE OR HIGH TEMPERATURE RATING.
 B. SPRINKLER HEADS LOCATED CLOSE TO KITCHEN EQUIPMENT, HEATERS, STEAM PIPE OR LOW-PRESSURE BLOW-OFF VALVE SHALL BE OF THE TEMPERATURE RATING AS REQUIRED BY APPLICABLE EDITION OF NFPA - 13 DRAWINGS. PREPARED BY THE FIRE PROTECTION CONTRACTOR SHALL BE COORDINATED WITH THE HVAC CONTRACTOR AND ALL HVAC EQUIPMENT WHICH CAN AFFECT THE RATING OF THE SPRINKLER HEADS. SPRINKLER HEADS SHALL BE CLEARLY IDENTIFIED ON THE SHOP DRAWINGS PRIOR TO SUBMISSION FOR APPROVAL.
 4. ALL SPRINKLER HEAD SYMBOLS NOT SHOWN ON PLANS, REFER TO "GENERAL LOCATION" COLUMN FOR ESTIMATING.
 5. SPRINKLER SELECTIONS ARE BASED ON PRODUCTS MANUFACTURED BY VIKING. RELIABLE AND/OR TYCO PRODUCTS SHALL BE CONSIDERED APPROVED EQUAL PRODUCTS AND ARE SUBJECT TO THE APPROVAL OF THE ENGINEER AND ARCHITECT.
 6. SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATIONS OF SPRINKLER HEADS WITH STRUCTURAL ELEMENTS AND HVAC DUCTWORK.

NCA
 NORTH EAST COLLABORATIVE ARCHITECTS
 500 Plaza Middlesex
 Middletown, CT 06457
 v: 860-644-9332

MEPFP Engineers:
 Consulting Engineering Services (CES)
 611 Middle Street
 Middletown, CT 06457
 T: (860) 632-1162
 F: (860) 632-1662
 www.ces.com

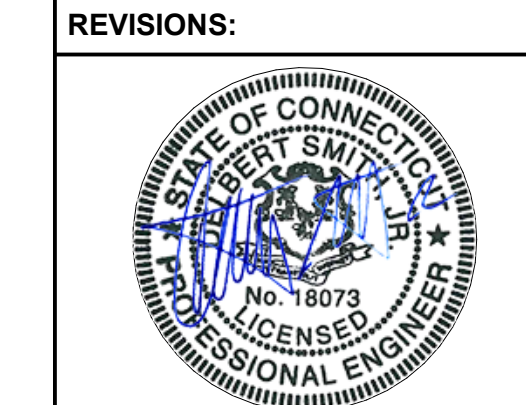
CES
 Consulting Engineering Services, Inc.
 611 Middle Street
 Middletown, CT 06457
 T: (860) 632-1162
 F: (860) 632-1768
 www.ces.com

CES #2021548.00

CODE IMPROVEMENTS RIVERFRONT BOATHOUSE
 252 WELLES STREET
 GLASTONBURY, CT. 06033

OWNER'S PROJECT #: GL-2022-16

#	DESCRIPTION	DATE



FIRE PROTECTION ABBREVIATIONS, NOTES AND SYMBOLS

DATE: 11-16-2021

NCA JOB NO.: 21031

DRAWING NO.: **FP0.00**

21.00.00 - GENERAL

- A. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS, APPLY TO THIS SECTION.
B. THESE SPECIFICATIONS ARE APPLICABLE TO ALL PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS UNLESS NOTED OTHERWISE.
C. DESCRIPTION
1. THIS PROJECT COMPREHENSES ALTERATIONS AND RENOVATIONS TO THE EXISTING BUILDING...
2. SCOPE OF WORK CONSISTS OF INSTALLATION OF MATERIALS TO BE FURNISHED UNDER THE CONTRACT...
D. DEFINITIONS...
E. DRAWINGS...
F. CODES AND STANDARDS...
G. PERMITS AND FEES...
H. EXISTING SYSTEMS AND EQUIPMENT...
I. SURVEY AND MEASUREMENTS...
J. SUBMITTALS AND SHOP DRAWINGS...
K. BUTTERFLY VALVES...
L. CHECK VALVES...
M. CLEANING...
N. GUARANTEE...

N. MEANS AND METHODS ALL TRADES

- 1. INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
2. DO NOT BURY WASTE MATERIALS. DO NOT BURY DEBRIS OR EXCESS MATERIALS ON THE OWNERS PROPERTY.
3. MATERIALS AND EQUIPMENT SHALL BE UL LISTED WHERE STANDARD HAS BEEN ESTABLISHED.
4. CAREFULLY INSPECT ALL BUILDING ELEMENTS PRIOR TO CUTTING OR DRILLING INTO WALLS, FLOORS OR CEILING.
5. EXCAVATION AND BACKFILLING...
6. WATERPROOFING...
7. PROVIDE ACCESS PANELS IN WALLS, FLOORS AND GYPSUM WALL BOARD CEILINGS...
8. GROOVED MECHANICAL COUPLINGS...
9. CAST IRON FITTINGS...
10. FLEXIBLE TYPE COUPLINGS...
11. GASKETS...
12. JOINTS...
13. GATE VALVES...
14. GLOBE VALVES...
15. BALL VALVES...
16. BUTTERFLY VALVES...
17. CHECK VALVES...
18. DRAIN VALVES...
19. BALL VALVES...
20. BUTTERFLY VALVES...
21. CHECK VALVES...
22. DRAIN VALVES...
23. BALL VALVES...
24. BUTTERFLY VALVES...
25. CHECK VALVES...
26. DRAIN VALVES...
27. BALL VALVES...
28. BUTTERFLY VALVES...
29. CHECK VALVES...
30. DRAIN VALVES...
31. BALL VALVES...
32. BUTTERFLY VALVES...
33. CHECK VALVES...
34. DRAIN VALVES...
35. BALL VALVES...
36. BUTTERFLY VALVES...
37. CHECK VALVES...
38. DRAIN VALVES...
39. BALL VALVES...
40. BUTTERFLY VALVES...
41. CHECK VALVES...
42. DRAIN VALVES...
43. BALL VALVES...
44. BUTTERFLY VALVES...
45. CHECK VALVES...
46. DRAIN VALVES...
47. BALL VALVES...
48. BUTTERFLY VALVES...
49. CHECK VALVES...
50. DRAIN VALVES...

21.06.00 - COMMON WORK RESULTS FOR FIRE SUPPRESSION SYSTEMS

- 1. WORKMANSHIP AND QUALIFICATIONS: MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH NFPA AND APPLICABLE LOCAL CODES AND ORDINANCES.
2. GROOVED JOINT COUPLINGS, FITTINGS, VALVES, AND SPECIALTIES SHALL BE THE PRODUCTS OF A SINGLE MANUFACTURER.
3. VALVES: SHALL BEAR UL AND/OR FM LABEL OR MARKING.
4. CAREFULLY INSPECT ALL BUILDING ELEMENTS PRIOR TO CUTTING OR DRILLING INTO WALLS, FLOORS OR CEILING.
5. EXCAVATION AND BACKFILLING...
6. WATERPROOFING...
7. PROVIDE ACCESS PANELS IN WALLS, FLOORS AND GYPSUM WALL BOARD CEILINGS...
8. GROOVED MECHANICAL COUPLINGS...
9. CAST IRON FITTINGS...
10. FLEXIBLE TYPE COUPLINGS...
11. GASKETS...
12. JOINTS...
13. GATE VALVES...
14. GLOBE VALVES...
15. BALL VALVES...
16. BUTTERFLY VALVES...
17. CHECK VALVES...
18. DRAIN VALVES...
19. BALL VALVES...
20. BUTTERFLY VALVES...
21. CHECK VALVES...
22. DRAIN VALVES...
23. BALL VALVES...
24. BUTTERFLY VALVES...
25. CHECK VALVES...
26. DRAIN VALVES...
27. BALL VALVES...
28. BUTTERFLY VALVES...
29. CHECK VALVES...
30. DRAIN VALVES...
31. BALL VALVES...
32. BUTTERFLY VALVES...
33. CHECK VALVES...
34. DRAIN VALVES...
35. BALL VALVES...
36. BUTTERFLY VALVES...
37. CHECK VALVES...
38. DRAIN VALVES...
39. BALL VALVES...
40. BUTTERFLY VALVES...
41. CHECK VALVES...
42. DRAIN VALVES...
43. BALL VALVES...
44. BUTTERFLY VALVES...
45. CHECK VALVES...
46. DRAIN VALVES...
47. BALL VALVES...
48. BUTTERFLY VALVES...
49. CHECK VALVES...
50. DRAIN VALVES...

R. GENERAL INSTALLATION REQUIREMENTS FOR PIPE AND FITTINGS

- 1. INSTALL PIPING IN ACCORDANCE WITH NFPA 13 FOR SPRINKLER SYSTEMS, NFPA 14 FOR STANDPIPE AND HOSE SYSTEMS, AND NFPA 24 FOR SERVICE MAINS.
2. PLACE PIPING IN CONCEALED SPACES ABOVE FINISHED CEILING UNLESS NOTED OTHERWISE.
3. ROUTE PIPING IN ORDERLY MANNER, PLUMB AND PARALLEL TO BUILDING STRUCTURE.
4. INSTALL PIPING TO CONSERVE BUILDING SPACE, TO NOT INTERFERE WITH USE OF SPACE AND OTHER WORK.
5. GROUP PIPING WHENEVER PRACTICAL, AT COMMON ELEVATIONS.
6. INSTALL PIPE SLEEVE AT PIPING PENETRATIONS THROUGH FLOORS, PARTITIONS, WALLS, AND FLOORS, SEAL PIPE AND SLEEVE PENETRATIONS TO MAINTAIN FIRE RESISTANCE EQUIVALENT TO FIRE SEPARATION.
7. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT.
8. GROOVED JOINT COUPLINGS AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.
9. PITCH PIPING AND ARRANGE SYSTEMS TO DRAIN AT LOW POINTS.
10. PREPARE PIPE, FITTINGS, SUPPORTS, AND ACCESSORIES FOR FINISH PAINTING.
11. DO NOT PENETRATE BUILDING STRUCTURAL MEMBERS UNLESS INDICATED.
12. WHERE MORE THAN ONE PIPING SYSTEM MATERIAL IS SPECIFIED, INSTALL COMPATIBLE SYSTEM COMPONENTS AND JOINTS.
13. DIE CUT THREAD PIPING WITH FULL CUT STANDARD TAPER PIPE THREADED WITH RED LEAD AND LINED OIL OR OTHER NON-TOXIC JOINT COMPOUND APPLIED TO MALE THREADS ONLY.
14. PROVIDE DIELECTRIC FITTINGS WHENEVER JOINING TWO DISSIMILAR METALS.
15. PROVIDE SURGE RESTRAINTS ON ALL END OF BRANCHES AND ARM OVERS IN EXCESS OF 12'.
16. GENERAL INSTALLATION REQUIREMENTS FOR VALVES
17. GENERAL INSTALLATION REQUIREMENTS FOR PIPE HANGERS AND SUPPORTS
18. TESTING: PRESSURE TEST THE ABOVE GROUND SYSTEM IN ACCORDANCE TO NFPA 13.

21.13.10 - FIRE-SUPPRESSION SPRINKLER SYSTEMS

- A. SYSTEM DESCRIPTION (EXISTING BUILDING)
1. PROVIDE A DRY PIPE SYSTEM HYDRAULICALLY DESIGNED IN ACCORDANCE WITH NFPA 13 AND ALL REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
2. PROVIDE ALTERATIONS AND RENOVATIONS TO THE EXISTING SPRINKLER SYSTEM.
3. HYDRAULIC DATA AND WATER SUPPLY INFORMATION PROVIDED ON THE PLANS FOR REFERENCE ONLY.
4. INTERFACE SYSTEM WITH BUILDING FIRE ALARM SYSTEM.
5. THE SPRINKLER LOCATIONS AND PIPING ARRANGEMENTS INDICATED ON THE CONTRACT DOCUMENTS ARE DIAGRAMMATIC.
6. SPRINKLER LOCATIONS INDICATED ARE FOR STANDARD COVERAGE SPRINKLERS.
7. SUBMITTALS
8. DRAWINGS SHALL INCLUDE DETAILED PIPE LAYOUT, PIPE MATERIALS USED, JOINING METHODS, HANGERS AND SUPPORTS, FLOOR AND WALL PENETRATION SEALS, CONTROLS, AND COMPONENTS AND ACCESSORIES.
9. SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED.
10. PRODUCT DATA: SUBMIT DATA ON SPRINKLERS, VALVES, AND SPECIALTIES.
11. AFTER REVIEW BY THE OWNERS REPRESENTATIVE, SUBMIT SPRINKLER LAYOUT SHOP DRAWINGS, PRODUCT DATA, AND HYDRAULIC CALCULATIONS TO THE AUTHORITY HAVING JURISDICTION.
12. MANUFACTURERS: VIKING, TYCO, VICTAULIC, GRINNELL CORP., RELIABLE SPRINKLER CORP.
13. SPRINKLERS SHALL BE ADJUSTABLE, GLASS BULB, AUTOMATIC SPRINKLERS WITH 1/2" ORIFICE AND 5.6-K FACTOR UNLESS OTHERWISE INDICATED.
14. SPRINKLER BODIES SHALL BE THE CAST BRASS, WITH HEX SHAPED WRENCH BOSS INTEGRALLY CAST INTO THE SPRINKLER BODY.
15. UNLESS OTHERWISE INDICATED, ORDINARY TEMPERATURE RATED SPRINKLER HEADS SHALL BE AS INDICATED ON THE PLANS AND IN ACCORDANCE WITH THE FOLLOWING:
16. WHERE PLANS CALL FOR EXTENDED COVERAGE SPRINKLER HEADS, COORDINATE COVERAGE REQUIREMENTS WITH REQUIREMENTS OF THE LOCAL FIRE DEPARTMENT.
17. SPARE SPRINKLERS: FURNISH SPARE AUTOMATIC SPRINKLERS IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13 FOR STOCK OF EXTRA SPRINKLERS.
18. IN AREAS WHERE SPRINKLERS ARE SUBJECT TO PHYSICAL DAMAGE, PROVIDE SPRINKLER GUARD ASSEMBLY OVER HEAD, FINISH TO MATCH SPRINKLER FINISH.
19. ALARM CHECK VALVES
20. MANUFACTURERS: VIKING, TYCO, VICTAULIC, GRINNELL CORP., RELIABLE SPRINKLER CORP.
21. PROVIDE RETARD CHAMBER AS PART OF WET ALARM VALVE TRIM TO ALLOW FOR PRESSURE FLUCTUATIONS.
22. ALARM CHECK VALVE ASSEMBLY SHALL ALLOW DISCHARGE OF ONE OR MORE SPRINKLERS TO ACTIVATE ELECTRIC AND HYDRAULIC ALARMS.
23. PIPING SPECIALTIES
24. WATER MOTOR ALARM: HYDRAULICALLY OPERATED IMPELLER TYPE ALARM WITH ALUMINUM ALLOY RED ENAMELED GONGS AND MOTOR HOUSINGS.
25. ELECTRIC ALARM: ELECTRICALLY OPERATED RED ENAMELED GONG WITH PRESSURE ALARM SWITCH.
26. WATER FLOW SWITCH: VANE TYPE SWITCH FOR MOUNTING HORIZONTAL OR VERTICAL WITH TWO FORM C CONTACTS.
27. PRESSURE SWITCH: 1/2" MALE PRESSURE CONNECTION TO ALARM VALVE RISER AND ACTUATED BY ANY FLOW OF WATER IN EXCESS OF ONE SPRINKLER.
28. PRESSURE GAGE: RATED FOR 300 PSI USE, 3/16" DIAMETER.
29. FIRE DEPARTMENT CONNECTION
30. FIRE DEPARTMENT CONNECTION TYPE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL FIRE DEPARTMENT.
31. PROVIDE CAPS AND CHAINS FOR PROTECTION OF THE INLETS.
32. GENERAL INSTALLATION REQUIREMENTS FOR SPRINKLER SYSTEMS
33. INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
34. INSTALL FIRE PROTECTION SYSTEMS IN ACCORDANCE WITH NFPA 13, NFPA 13D, NFPA 13R, AND NFPA 24 FOR SERVICE MAINS.
35. MINIMIZE SHUT-DOWNS OF EXISTING WATER SUPPLIES.
36. LOCATE FIRE DEPARTMENT CONNECTION WITH SUFFICIENT CLEARANCE FROM WALLS, OBSTRUCTIONS, ETC.
37. SPRINKLER BULB PROTECTOR SHALL REMAIN IN PLACE UNTIL THE SPRINKLER IS COMPLETELY INSTALLED.
38. COORDINATE WATER FLOW SWITCHES, TAMPER SWITCHES, AND ALL OTHER SPRINKLER DEVICES WITH THE FIRE ALARM SYSTEM.
39. PROVIDE AND APPLY SIGNS TO CONTROL, DRAIN, TEST AND ALARM VALVES TO IDENTIFY THEIR PURPOSE AND FUNCTION.



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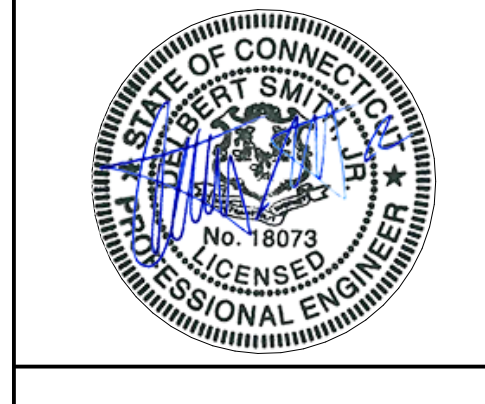
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CODE IMPROVEMENTS RIVERFRONT BOATHOUSE
252 WELLES STREET
GLASTONBURY, CT. 06033

OWNER'S PROJECT #:

Table with columns: #, DESCRIPTION, DATE

REVISIONS:

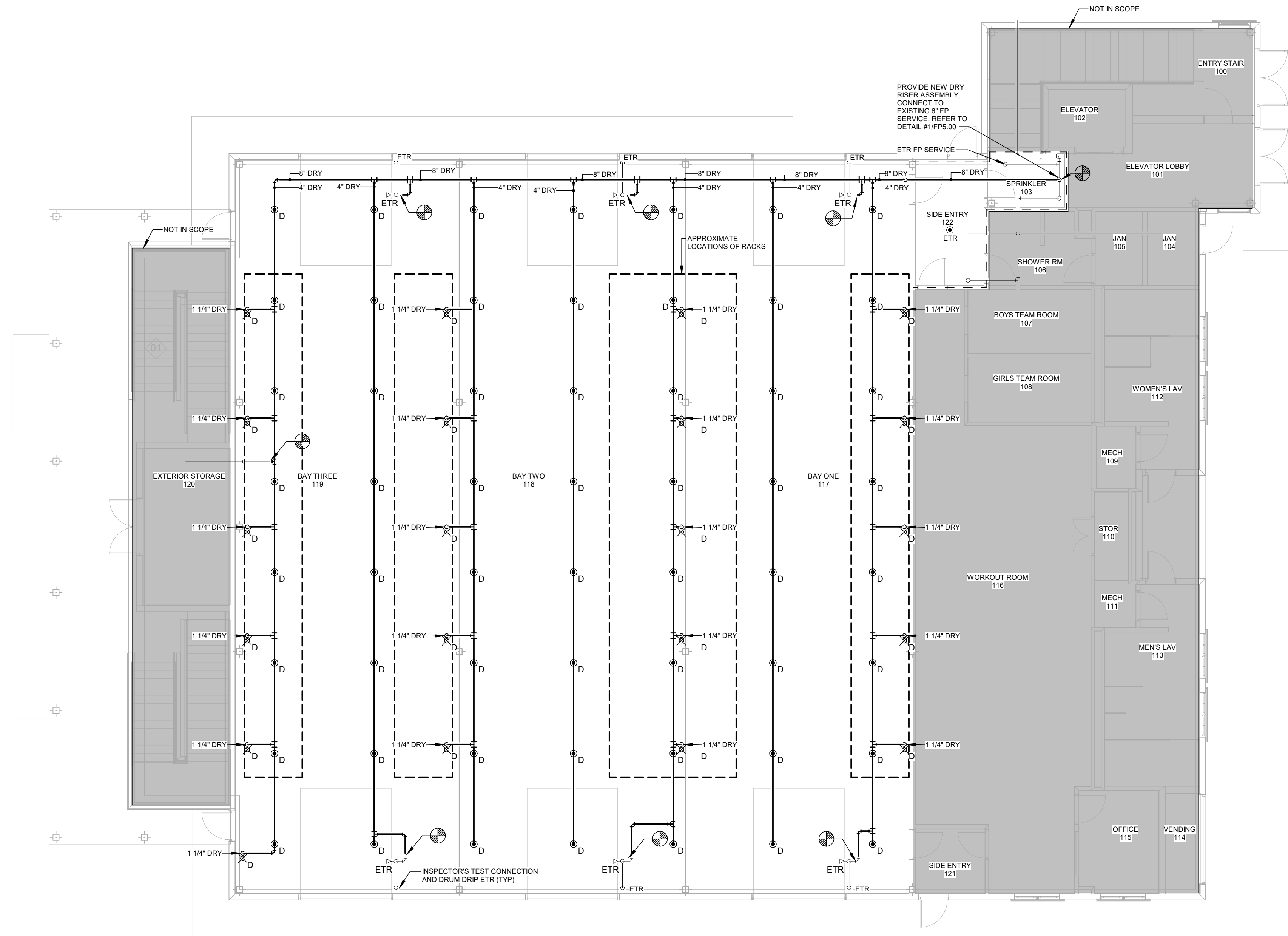


FIRE PROTECTION SPECIFICATIONS

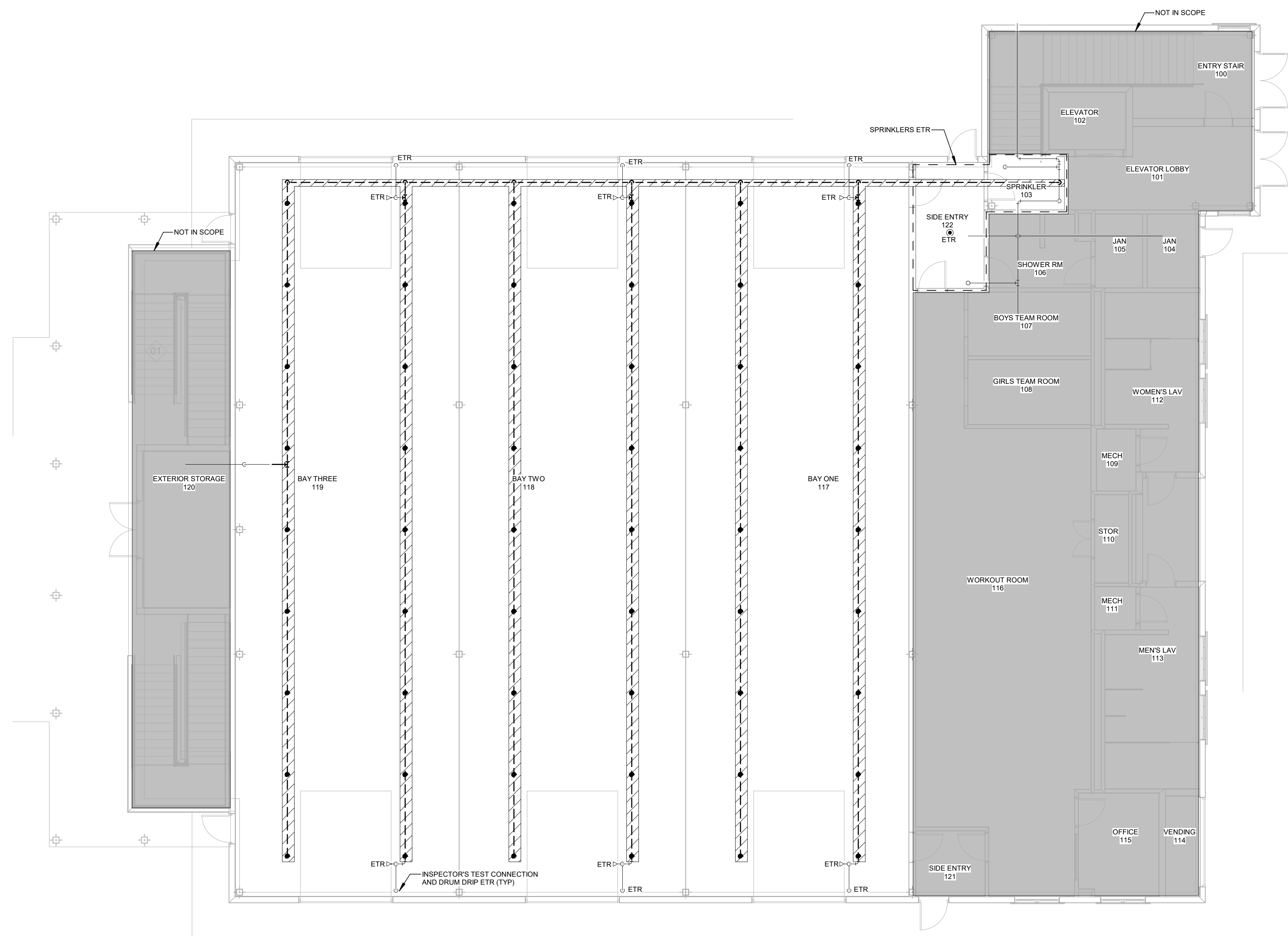
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NCA JOB NO.: 21031

DRAWING NO.: FP0.10



2 FIRE PROTECTION GROUND FLOOR
1/8" = 1'-0"



1 FIRE PROTECTION GROUND FLOOR DEMOLITION
1/8" = 1'-0"



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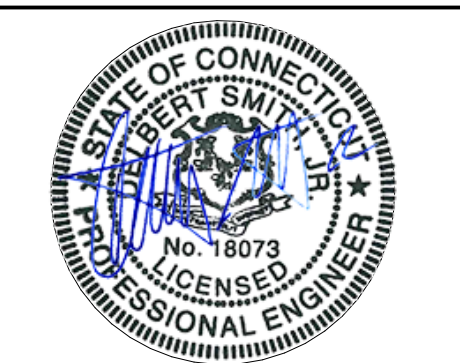
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**FIRE PROTECTION
GROUND FLOOR
PLAN**

DATE: 11-16-2021

NCA JOB NO.: 21031

DRAWING NO.:

FP1.00



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REVISIONS:



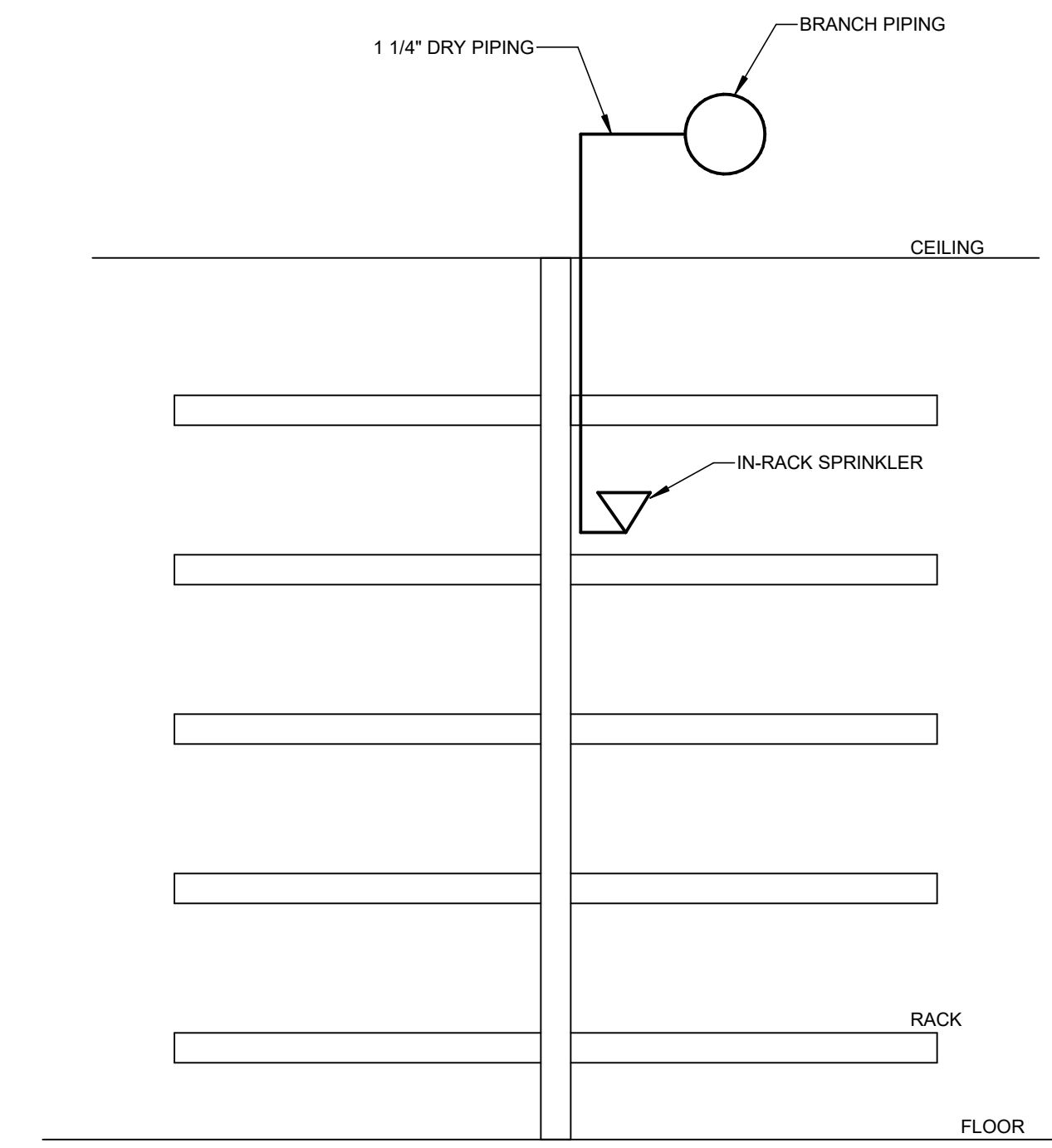
**FIRE PROTECTION
DETAILS**

DATE: 11-16-2021

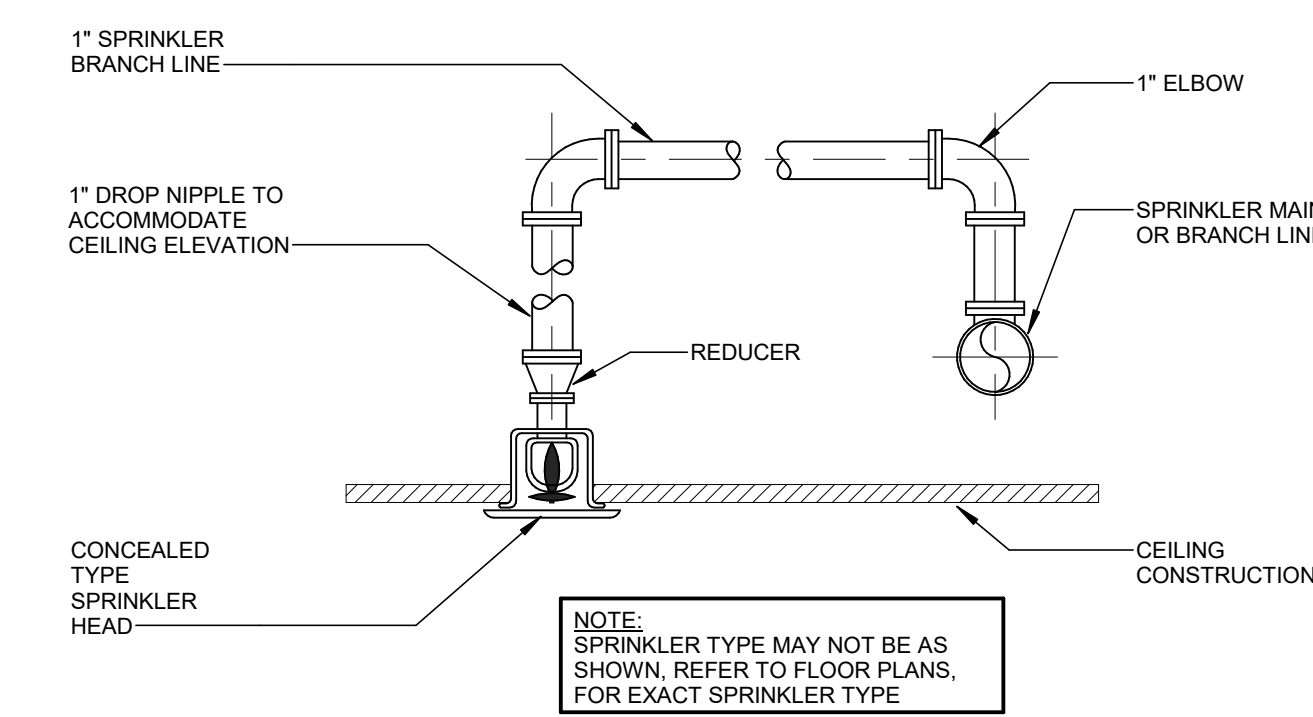
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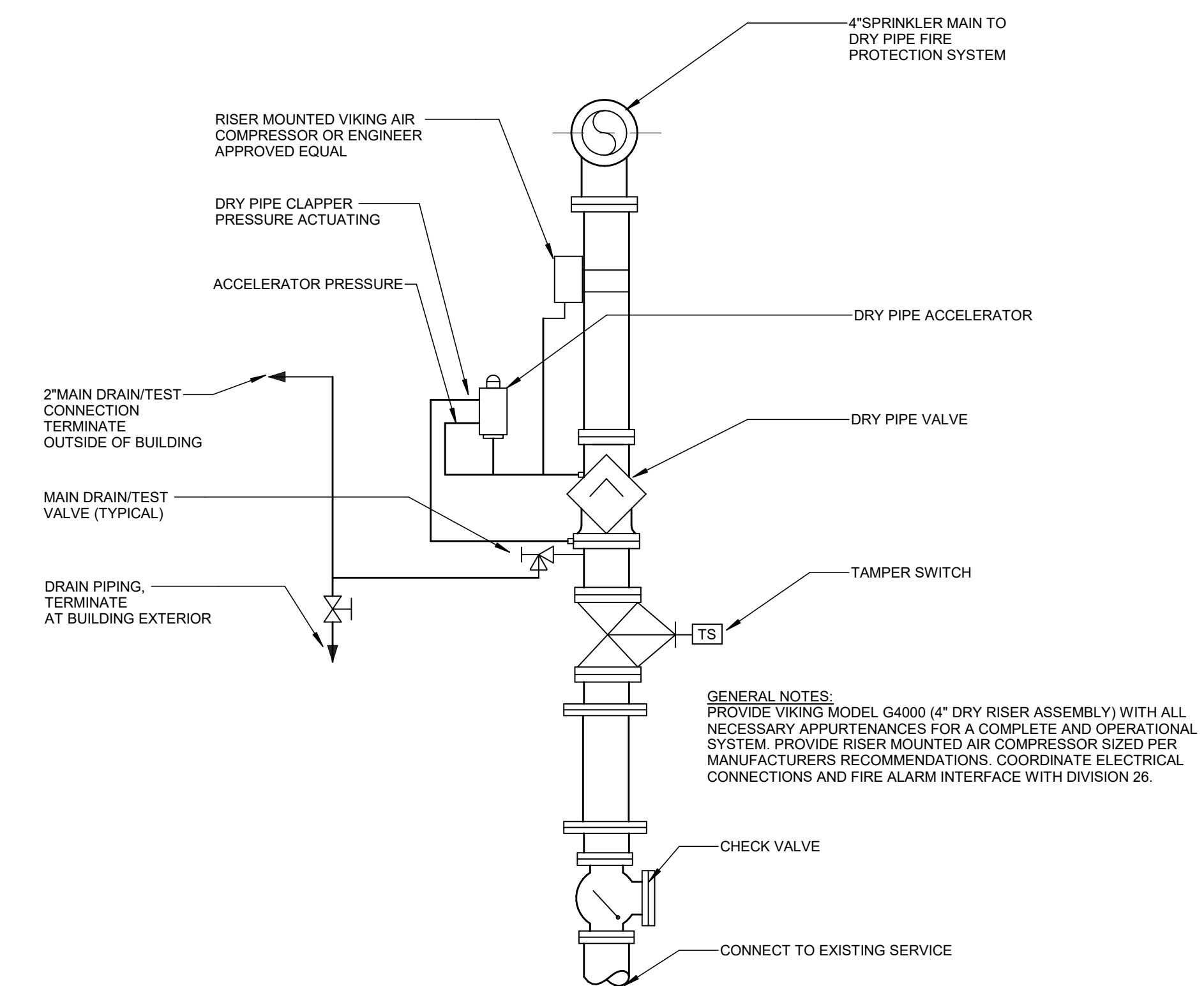
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3 IN-RACK SPRINKLER
NTS



2 ARMOVER DETAIL
NTS



1 DRY SYSTEM RISER DETAIL
NTS