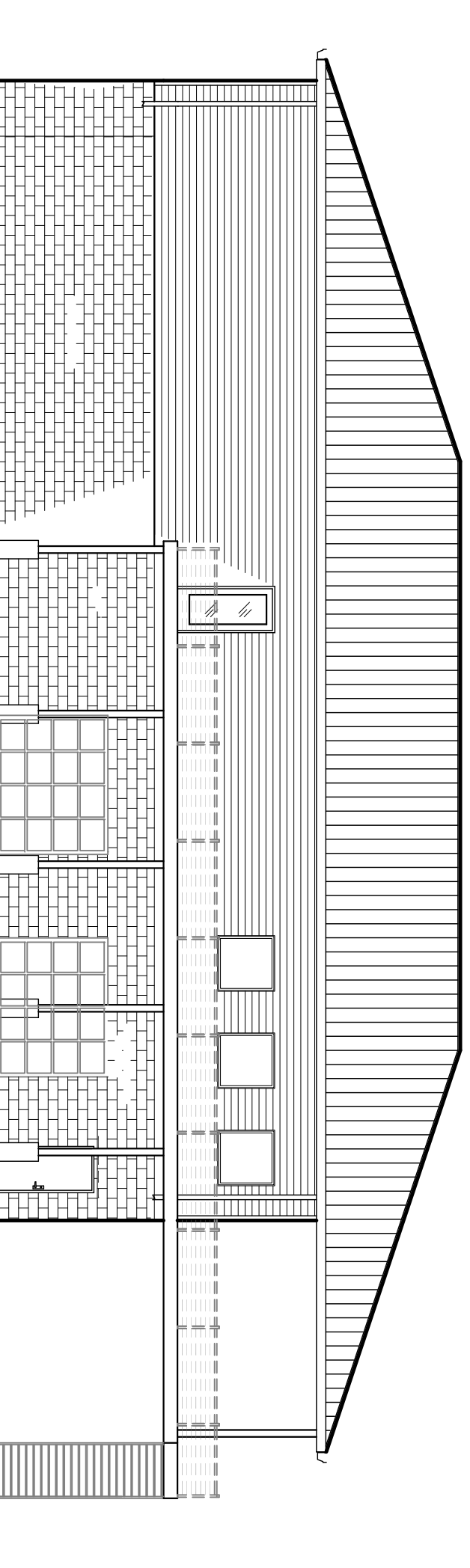
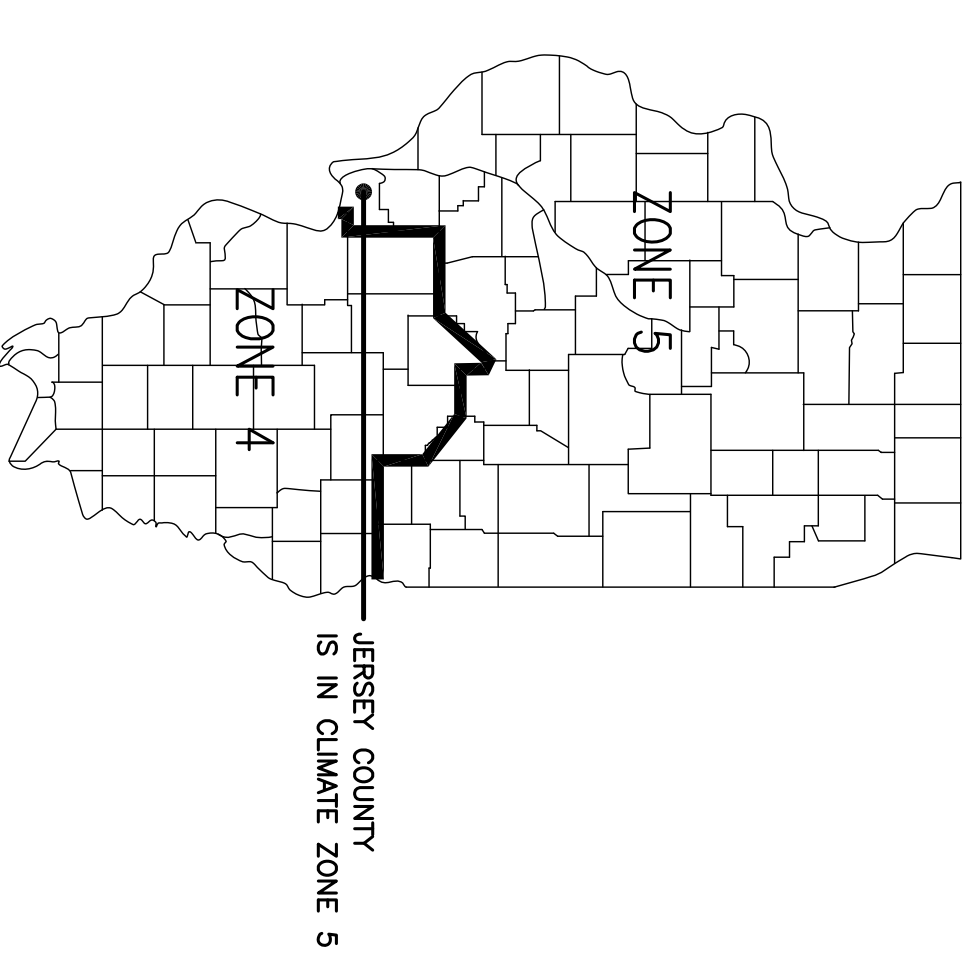


# ALTON MOTORBOAT CLUB

## PROPOSED NEW CLUBHOUSE 11134 HARBOR DELL RD. GODFREY, IL



- DESIGN CRITERIA**
- 1) ROOF LOADS:
    - a) DESIGN TRUSS LOAD: 39 AND 52 PSF TOTAL LOAD
    - b) DESIGN SNOW LOAD: 20 PSF (PER IRC)
    - c) 30 PSF (FOR BALANCED ROOF) SNOW LOAD
    - d) WIND LOAD – 20 PSF @ LEeward and Windward WALLS
  - e) EXPOSURE CATEGORY: C
  - f) SNOW EXPOSURE FACTOR: Ce=1.0
  - g) SNOW IMPORTANCE FACTOR: Is=1.0
  - h) FROST LINE DEPTH (40")
- 1A) FLOOR LOADS:
    - a) LIVE LOAD FLOOR: 100# PER CHAPTER 16
    - b) DEAD LOAD FLOOR: 38# FOR 2" CONC. TOPPING
  - LIVE LOAD BALCONY: 60# PER CHAPTER 16
  - 2) WIND LOAD:
    - a) BASIC WIND SPEED: 90 MPH – ULTIMATE WIND SPEED: 115 MPH
    - b) EXPOSURE CATEGORY: C
    - c) WIND IMPORTANCE FACTOR: Iw=1.0
  - 3) SEISMIC LOAD:
    - a) MAPPED SPECTRAL ACCELERATION FOR SHORT PERIOD: Sa=0.547
    - b) MAPPED SPECTRAL ACCELERATION FOR 1 SECOND PERIOD: S1=0.161
    - c) SITE CLASS: D
    - d) SEISMIC IMPORTANCE FACTOR: Ia=1.0
    - e) Ss=0.497
    - f) Sd1=0.232
    - g) THERMAL FACTOR: Ct=1.0



### BUILDING CODE SUMMARY

- 2015 INTERNATIONAL BUILDING CODE
  - 2015 INTERNATIONAL MECHANICAL CODE
  - 2015 INTERNATIONAL PLUMBING CODE
  - 2015 INTERNATIONAL ELECTRICAL CODE
  - 2015 INTERNATIONAL ENERGY CONSERVATION CODE
  - 2015 INTERNATIONAL FIRE CODE
  - 2015 INTERNATIONAL LIFE SAFETY CODE (NFPA 101)
  - 2015 INTERNATIONAL FIRE CODE
  - THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70)
  - THE 2014 EDITION OF THE NATIONAL PLUMBING CODE, AND REPEALING ALL SECTIONS OF THE REVISED COUNTY ORDINANCES
- CONSTRUCTION TYPE:**  
TABLE 1603.2 OCCUPANCY CATEGORY – CATEGORY II  
CONSTRUCTION TYPE V-B  
MARKED USE GROUP – USE GROUP B BUSINESS & ASSEMBLY A-2
- NET USEABLE SQUARE FOOTAGE OF BAR AREA IS 1,495 SF  
FIRE AREA IS LESS THAN 5000 SF AND OCCUPANT LOAD LESS THAN 100. PER 903.2.12  
AUTOMATIC SPRINKLER IS NOT REQUIRED
- OCCUPANCY – ALLOWABLE FLOOR AREA PER OCCUPANT**  
PER IRC 1004.1.2 – 3,608 gross sq ft
- PER IRC 1015.1 – THE EXIT TRAVEL DISTANCE SHALL NOT EXCEED 200' WHEN THE BUILDING DOES NOT HAVE A SPRINKLER.
- PER NFPA 72 – 110V SMOKE DETECTORS REQUIRED  
PER NFPA 72 – PORTABLE FIRE EXTINGUISHERS REQUIRED EVERY 75'.  
– EMERGENCY LIGHTING REQUIRED.

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)			
STRUCTURAL FRAME	TABLE 601	0 HOUR	
LOAD BEARING WALLS-EXTERIOR	TABLE 601: 704-708.5;	0 HOUR	
LOAD BEARING WALLS-INTERIOR	TABLE 601:	0 HOUR	
NON-LOADBEARING WALLS & PARTITIONS-EXTERIOR	TABLE 602: 704-708.5; 713.3	0 HOUR	
NON-LOADBEARING WALLS & PARTITIONS-INTERIOR	TABLE 602	0 HOUR	
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS	TABLE 601	0 HOUR	
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS	TABLE 601	0 HOUR	

**TABLE 602.4 BUILDING ENVELOPE FENESTRATION MAXIMUM U-FACTOR AND SHGC REQUIREMENTS**

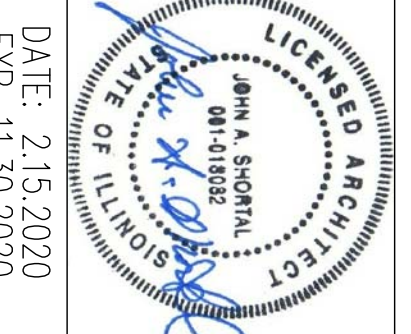
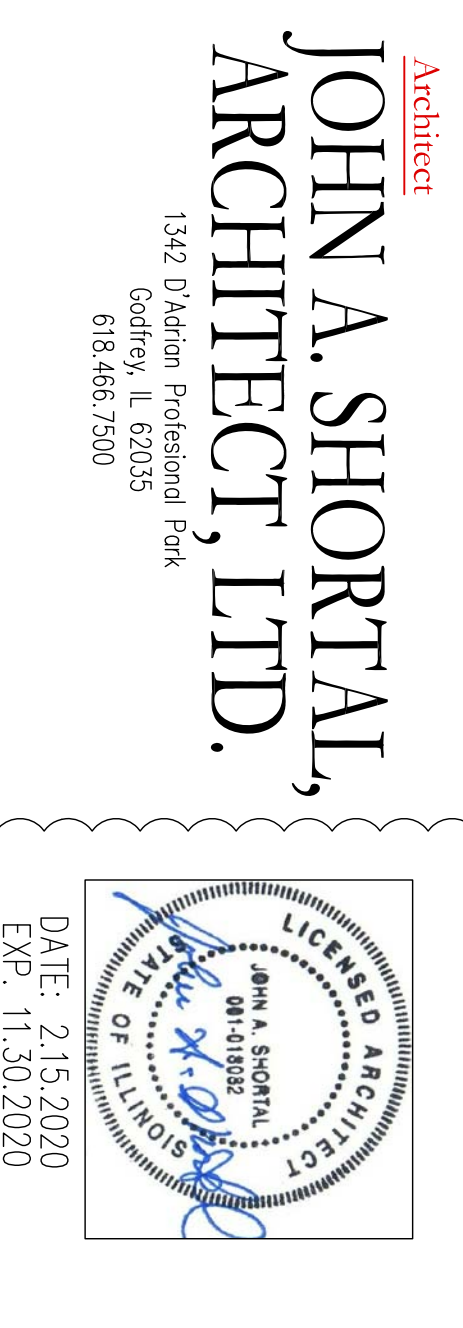
CLIMATE ZONE	1	2	3	4 EXCEPT MARINE	5	7	8
U-factor	0.20	0.20	0.46	0.38	0.36	0.29	0.29
Frosted Fenestration	0.65	0.65	0.60	0.46	0.43	0.29	0.29
Clear Fenestration	1.10	0.63	0.77	0.77	0.77	0.77	0.77
Glazed Fenestration	SEMI N, I, SEW, N, I	SEMI N, I, SEW, N, I	SEMI N, I, SEW, N, I	SEMI N, I, SEW, N, I	SEMI N, I, SEW, N, I	SEMI N, I, SEW, N, I	SEMI N, I, SEW, N, I
SHGC	0.50	0.50	0.50	0.40	0.35	0.40	0.30
SHGC	0.20	0.27	0.20	0.27	0.26	0.26	0.26
SHGC	0.20	0.27	0.20	0.27	0.26	0.26	0.26
SHGC	0.20	0.27	0.20	0.27	0.26	0.26	0.26
SHGC	0.20	0.27	0.20	0.27	0.26	0.26	0.26
SHGC	0.20	0.27	0.20	0.27	0.26	0.26	0.26
SHGC	0.20	0.27	0.20	0.27	0.26	0.26	0.26

### 2015 IECC FOR WALLS, ROOFS, SLABS ETC. FOR COMMERCIAL STRUCTURES

CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	WOOD FRAMED WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE & DEPTH	CRAM SPACE WALL R-VALUE
5	0.38	0.55	0.40	38	20 OR 13 + 5 CI	13/17	30	15/19	R-10 24"	15/19

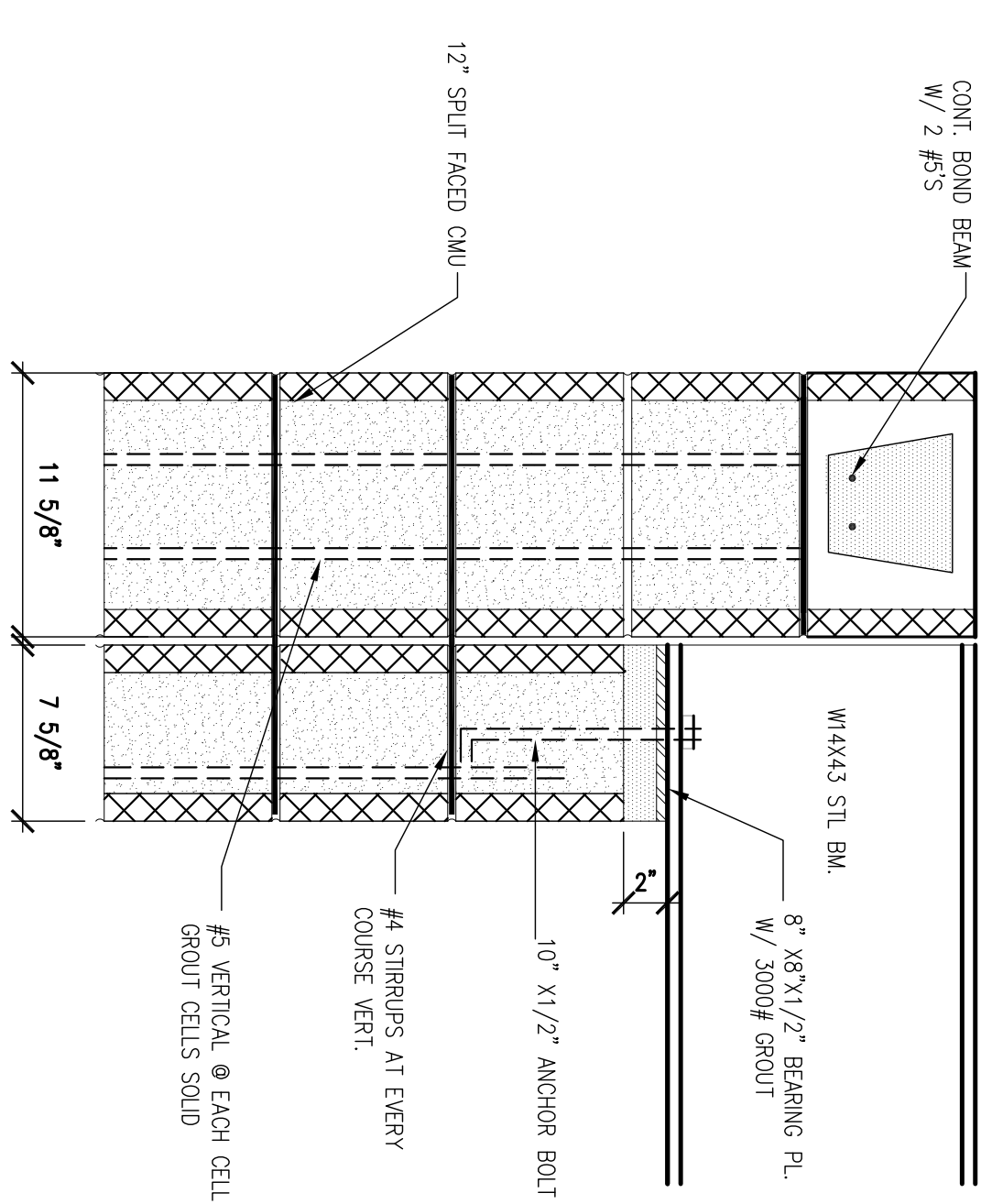
### ARCHITECTURAL COVER SHEET

- A1.0 FOUNDATION PLAN
- A1.1 FOUNDATION DETAILS
- A1.2 FRAMING PLAN
- A2.0 BUILDING PLAN
- A2.1 ENLARGED RESTROOM PLANS
- A2.2 DOOR & WINDOW SCHEDULE
- A3.0 UPPER LEVEL RCP
- A3.1 LOWER LEVEL RCP
- A4.0 EXTERIOR ELEVATIONS
- A4.1 EXTERIOR ELEVATIONS
- A5.0 BUILDING SECTIONS
- A6.0 WALL SECTIONS
- A6.1 FRAMING DETAILS



- ### GENERAL CONDITIONS:
1. THE GENERAL CONTRACTOR SHALL OBSERVE ALL REGULATIONS IMPOSED BY THE APPROPRIATE GOVERNMENT AGENCIES AND ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDING CODES, FIRE PREVENTION REGULATIONS, COMPLIANCE, ALL MATERIALS, EQUIPMENT, WORKMANSHIP, WORKING CONDITIONS & CONSTRUCTION METHODS SHALL COMPLY WITH THE LATEST APPLICABLE SECTIONS OF LOCAL, MUNICIPAL, COUNTY, STATE & FEDERAL, CODES, ORDINANCES, AND STANDARDS, AND STANDARDS. THE REQUIREMENTS OF THE 2015 IECC.
  2. GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO STARTING ANY CONSTRUCTION.
  3. C.C. TO VERIFY ALL EXISTING SITE CONDITIONS SHOWN ON DRAWINGS & CONSTRUCT ALL NEW WORK IN A NEAT AND APPROVED MANNER.
  4. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL AND ELECTRICAL WORK AS REQUIRED FOR THEIR INSTALLATION, AND PER DRAWINGS.
  5. PROVIDE ALL NECESSARY TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES & TO HOLD STRUCTURAL ELEMENTS IN PLACE, SUCH AS AT THE NEW STAR OPENING.
  6. THE C.C. IS RESPONSIBLE FOR SAFETY AND SECURITY IN AND AROUND THE JOB SITE DURING CONSTRUCTION.
  7. THE A.I.A. GENERAL CONDITIONS (FORM A-201 LATEST ISSUE) SHALL GOVERN AND BE PART OF THIS PROJECT.
  8. THE GENERAL CONTRACTOR SHALL SUBMIT/TIE FOR PAY AND SECURE ALL APPROVALS, BUILDING PERMITS, FIRE PERMITS, TEST, AND CERTIFICATES OF COMPLIANCE & OCCUPANCY.
  9. THE DIMENSIONS ON THESE DRAWINGS IN ALL CASES SUPERSEDE SCALE. CONTRACTOR IS NOT TO SCALE DRAWINGS.
  10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RUBBER STAMPT UP AND REMOVED, UPON COMPLETION OF WORK. HE SHALL LEAVE WORK IN A FINISHED CONDITION.
  11. IT WILL BE THE DUTY OF THE CONTRACTOR, AS WELL AS THE SUBCONTRACTORS EMPLOYED, TO COMMUNICATE WITH ALL OTHER CONTRACTORS IN ORDER TO SCHEDULE WORK, STORAGE AREAS ETC. IN A MANNER AND WITHIN THE TIME SPECIFIED.
  12. EMPLOY CONTRACTORS SHALL BE RESPONSIBLE FOR DAMAGE TO OWNERS OR OTHERS PROPERTY DONE BY HIM OR MEN IN HIS EMPLOY OR THROUGH NEGLIGENCE.
  13. ALL ARCHITECTURAL DRAWINGS ARE IN CONFORMANCE OR DISSEMINATION MAY NOT BE MADE WITHOUT PRIOR WRITTEN PERMISSION OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHTS AND OTHERS ARE HEREBY SPECIFICALLY RESERVED.





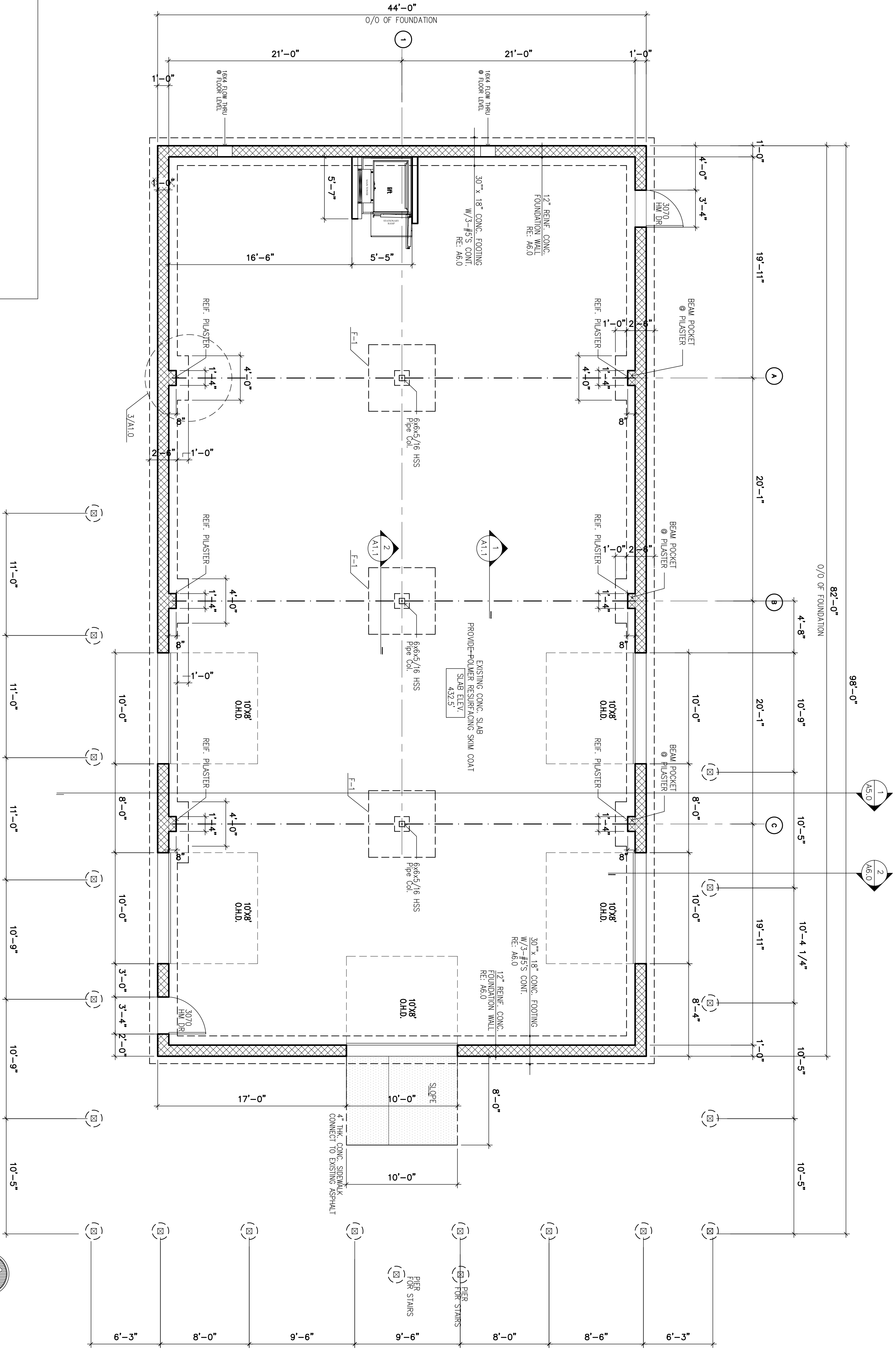
4 BEAM BRNG. ON PLASTER  
1 1/2" = 1'-0"

CONCRETE

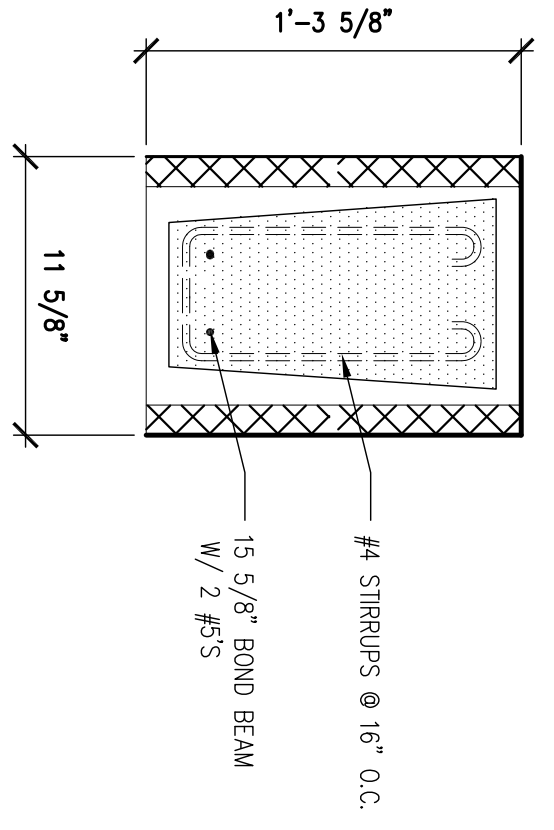
- 1) CONCRETE SHALL BE DESIGNED, FABRICATED, AND INCORPORATED WITH THE FOLLOWING:
  - a) BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-02)
  - b) ACI DETAILING MANUAL, REPORTED BY ACI COMMITTEE 318
  - c) CONCRETE SCHEDULE
- 2) CONCRETE SHALL BE TESTED IN ACCORDANCE WITH ACI 318-02 SECTION 5.6 EVALUATION AND ACCEPTANCE OF CONCRETE
- 3) CONCRETE SHALL BE READY-MIXED AND DELIVERED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM C94, "SPECIFICATION FOR READY-MIXED CONCRETE"
- 4) ALL CEMENT SHALL BE TYPE 1 PORTLAND CEMENT PER ASTM C150 UNLESS CONSTRUCTION NEEDS OR ENVIRONMENT dictate THAT A SPECIAL CEMENT TYPE BE USED
- 5) ALL ADMIXTURE USED IN CONCRETE SHALL BE COMPATIBLE
- 6) REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60
- 7) REINFORCING BARS FOR WELDED APPLICATIONS AND WHERE OTHERWISE NOTED ON THE STRUCTURAL DRAWINGS SHALL CONFORM TO ASTM A706, GRADE 60
- 8) WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A675, GRADE 60
- 9) WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A675, GRADE 60
- 10) CONCRETE AGGREGATE
- 11) WATER USED IN MIXING CONCRETE SHALL BE POTABLE
- 12) CALCIUM CHLORIDE SHALL NOT BE PERMITTED NOR SHALL ANY ADMIXTURE CONTAINING CALCIUM CHLORIDE BE PERMITTED

LOCATION	SPECIFIED 28-DAY COMPRESSIVE STRENGTH (PSI)	MINIMUM CEMENT CONTENT (LB/CU.YD)	MAXIMUM WATER-CEMENT RATIO	SPECIFIED AIR CONTENT (% BY VOLUME)
SPREAD FOOTINGS	5000	517	0.50	6% +/- 1.3%
SLAB FOOTINGS	4000	554	0.45	6% +/- 1.3%
INTERIOR SLAB ON GRADE	4000	554	0.45	6% +/- 1.3%
EXTERIOR SLAB ON GRADE	4000	554	0.45	6% +/- 1.3%

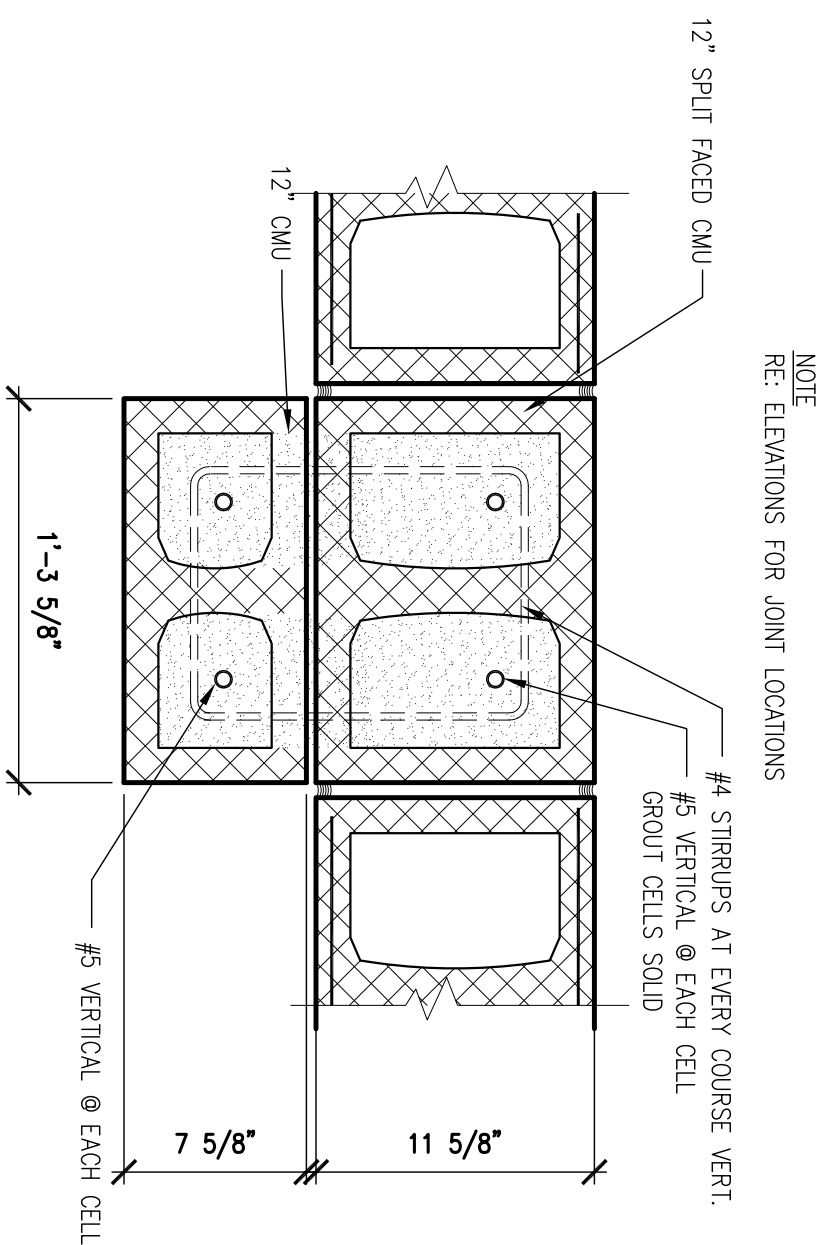
- 13) WIRE BAR SUPPORTS SHALL BE PROVIDED FOR ALL REINFORCING WITHIN SLABS, INCLUDING OF SUITABLE WEANS. BAR SUPPORTS SHALL BE IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE"
- 14) REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED ON THE DRAWINGS
- 17) IN REINFORCED CONCRETE WALLS AND FOOTINGS PROVIDE CORNER BARS OF THE SAME SIZE AND SPACING AS HORIZONTAL REINFORCING IN EACH DIRECTION
- 18) CONCRETE SHALL BE PLACED AND VIBRATED IN A TIMELY MANNER TO AVOID THE FORMATION OF COLD JOINTS
- 19) PROVIDE #4 SLAB DONNELS AT 12" O.C. AT DOORS UNLESS NOTED OTHERWISE ON THE DRAWINGS
- 20) ALL STRUCTURAL STEEL SHALL BE PROTECTED BY 3" OF CONCRETE WHERE EARTH WOULD OTHERWISE BE IN CONTACT WITH STEEL
- 21) UNLESS NOTED OTHERWISE ON THE DRAWINGS ALL SLAB-ON-GRADE CONSTRUCTION SHALL HAVE CONTROL JOINTS AT APPROXIMATELY 12'-0" O.C. IN BOTH DIRECTIONS
- 22) PROVIDE 3" OF CONCRETE PROTECTION FOR THE REINFORCEMENT WHEN CONCRETE IS PLACED DIRECTLY AGAINST THE GROUND



1 FOUNDATION & PIER PLAN  
3/16" = 1'-0"



2 BOND BEAM @ OHD'S  
1 1/2" = 1'-0"



3 REIN. PILASTER  
1 1/2" = 1'-0"

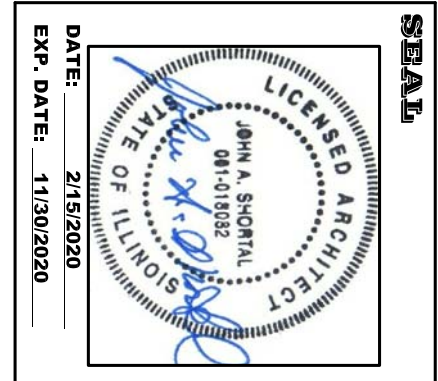
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A1.0

SHERB TITLE  
FOUNDATION  
PLAN

ISSUED REVIEW  
ROLL NO. 190018  
DRAWN BY: JAS  
DATE: 2/15/2020  
REVISION: 2/15/2020

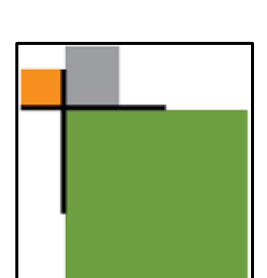
ALTON MOTORBOAT CLUB  
PROPOSED CLUBHOUSE  
11134 HARBOR DELL RD. GODFREY, IL



SEAL  
DATE: 2/15/2020  
EXP. DATE: 11/28/2020

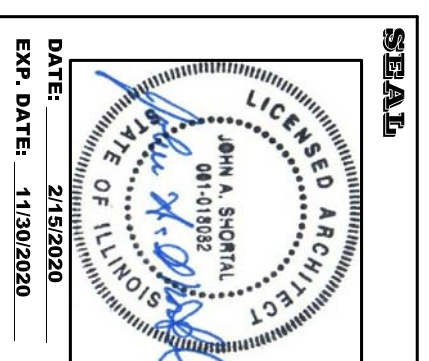
JOHN A. SHORTAL,  
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1342 D'ADRIAN PROFESSIONAL PARK  
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**ALTON MOTORBOAT CLUB  
PROPOSED CLUBHOUSE**

11134 HARBOR DELL RD. GODFREY, IL

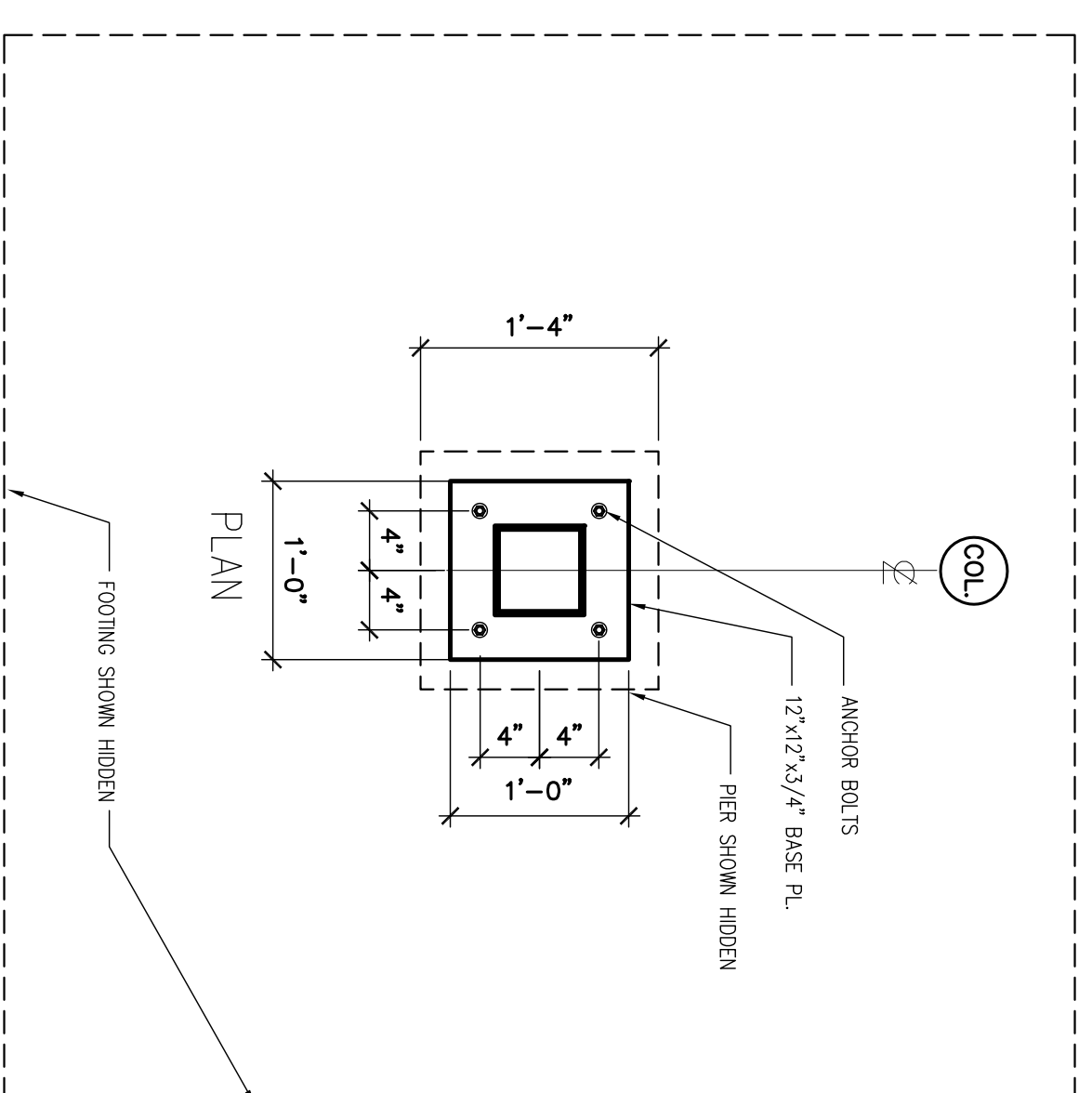
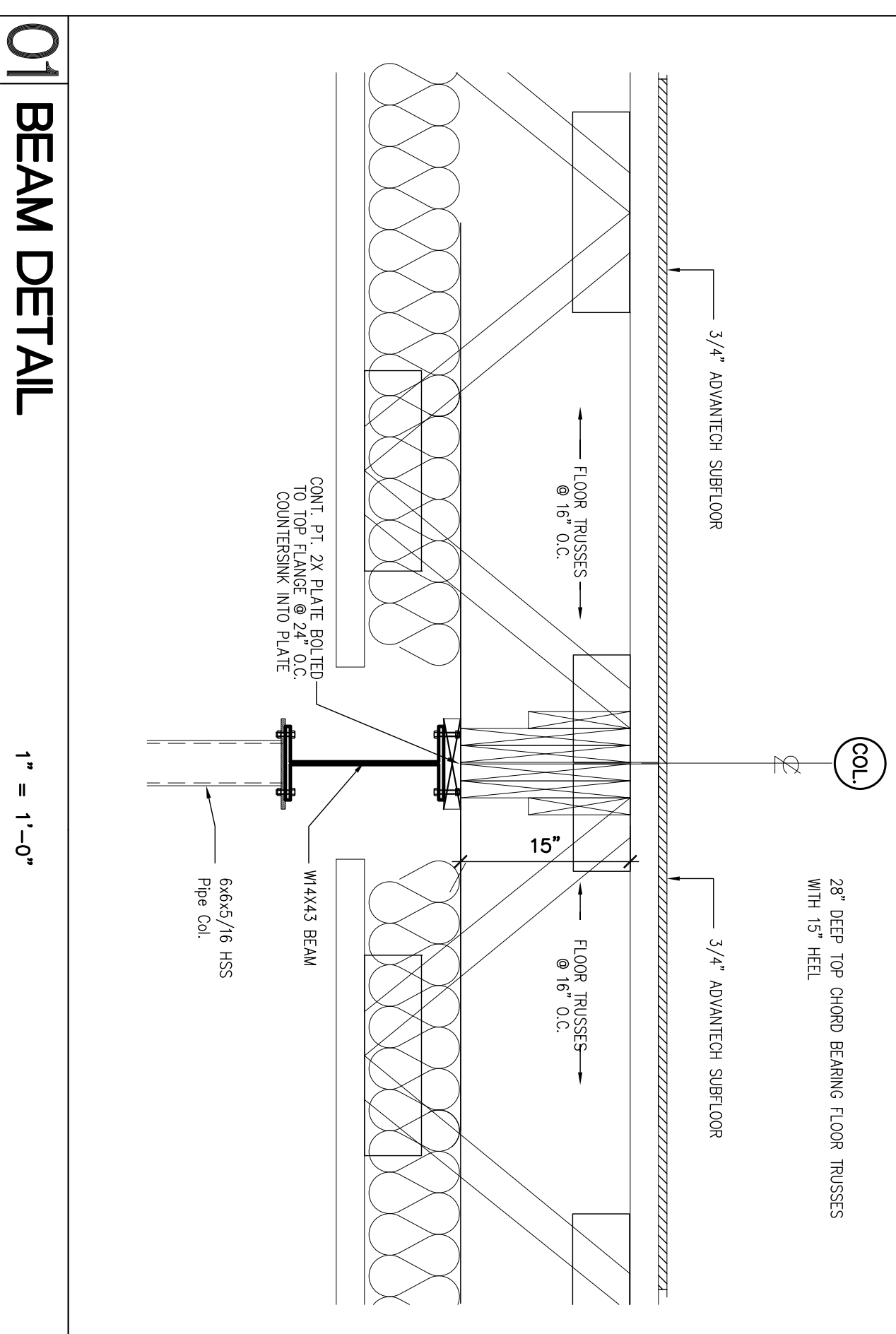
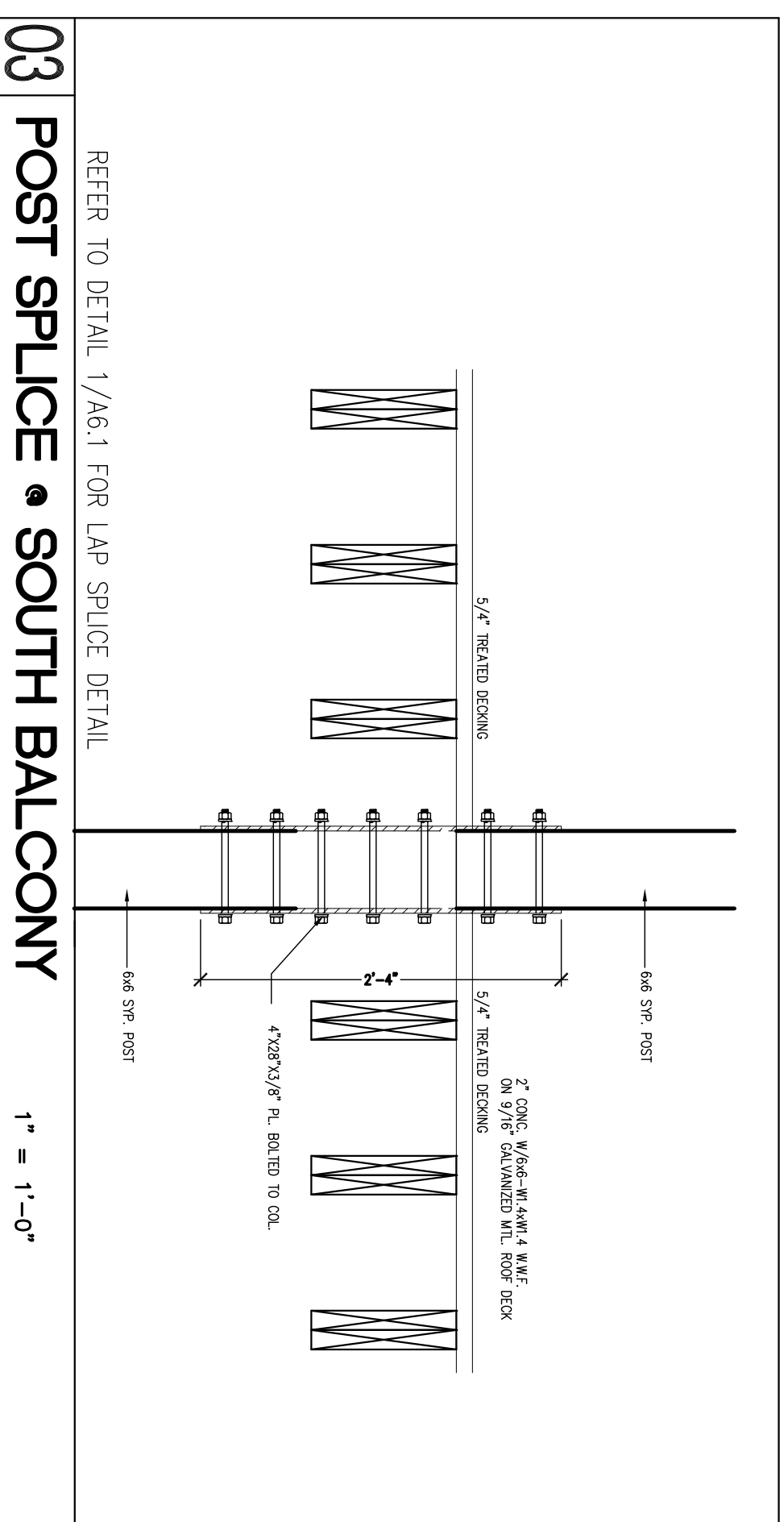
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REVISION: 2/15/2020  
ISSUED: REVIEW

PROJ. NO.: 190018  
DRAWN BY: JAS

**SHERI TYTLE**  
FOUNDATION  
DETAILS

FOR PERMIT 2.15.20

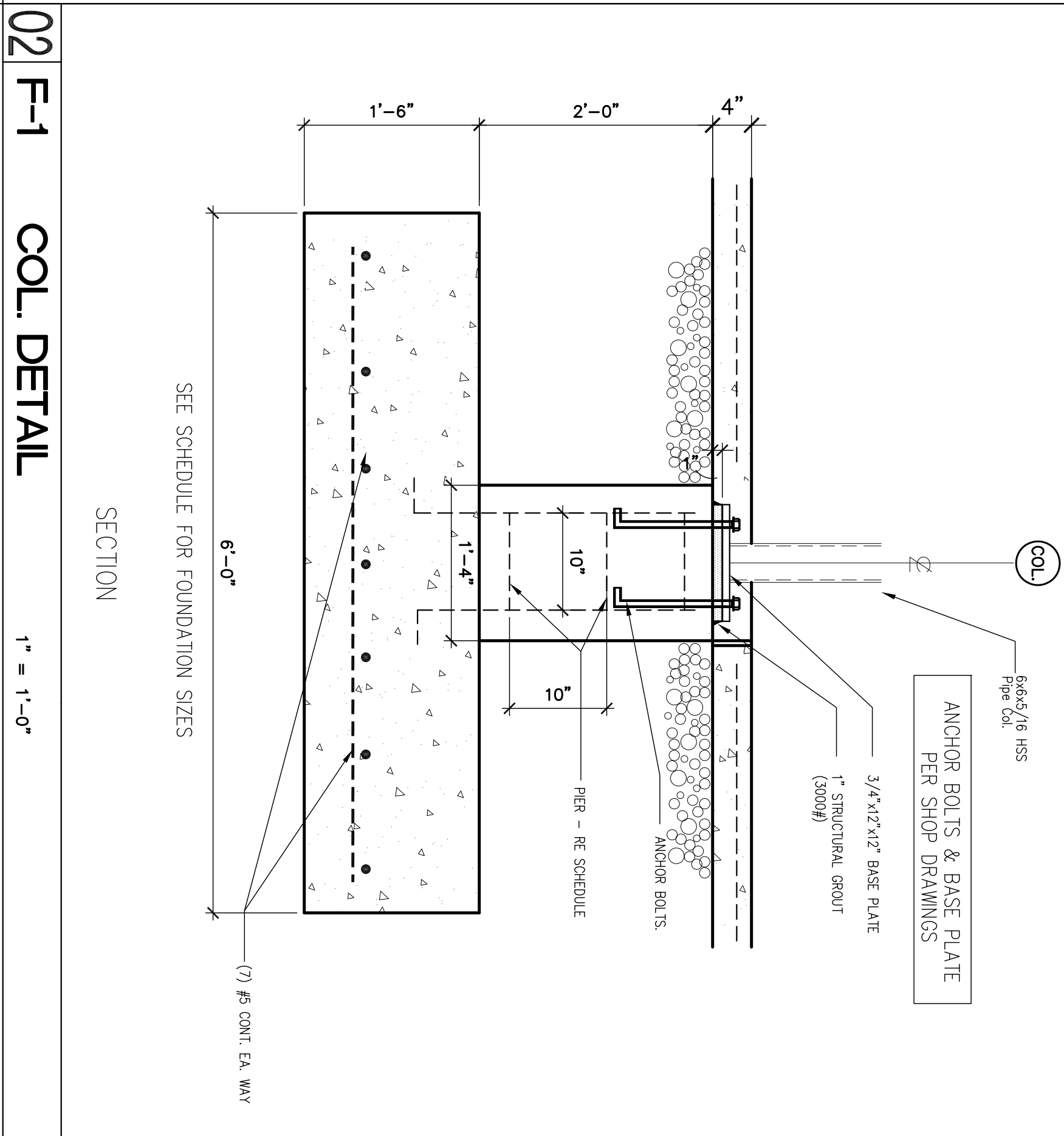
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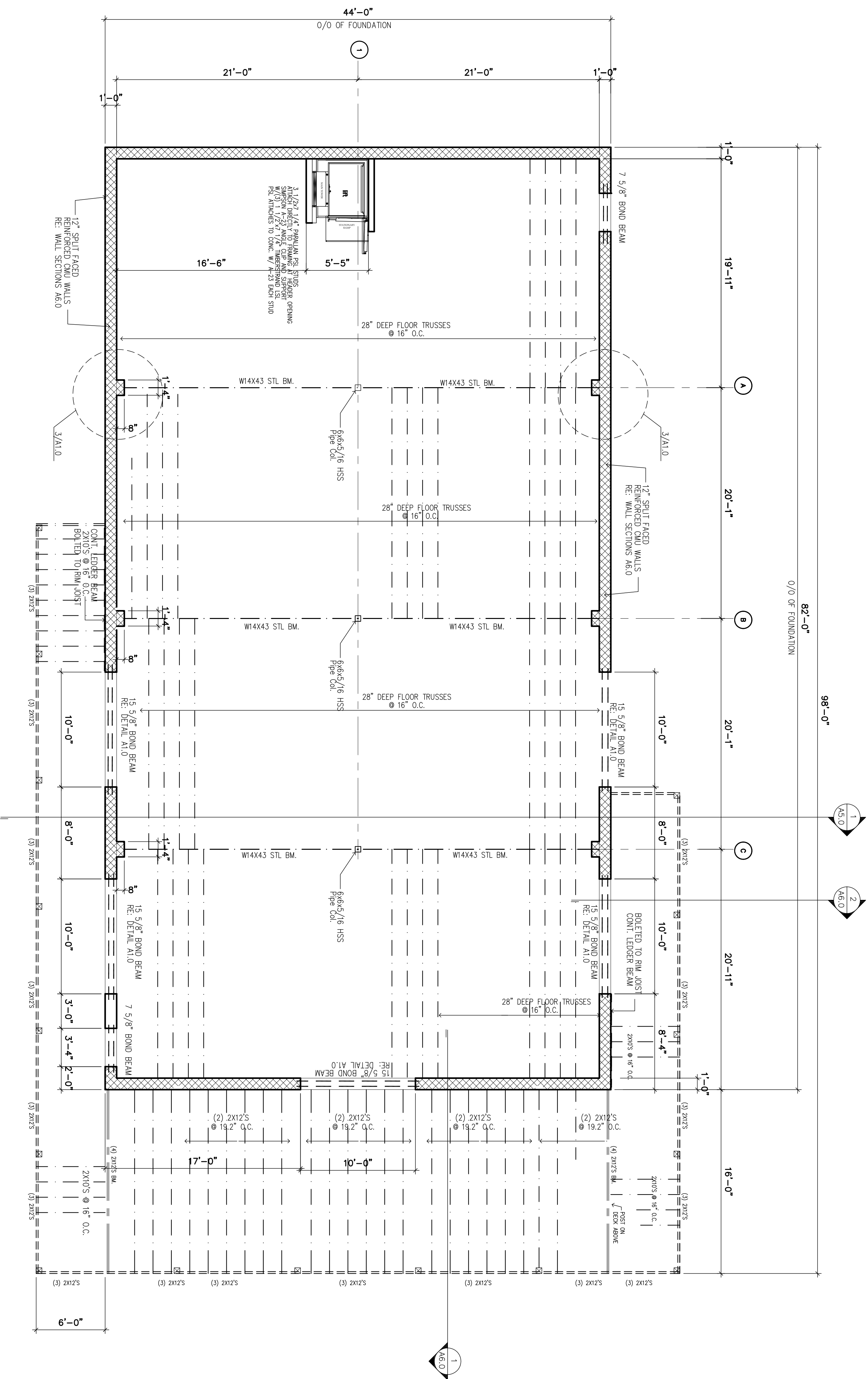


LOCATION	DESIGNED 28-DAY COMPRESSIVE STRENGTH (PSI)	MINIMUM CONTENT (BY VOL.)	MAXIMUM WATER CEMENT RATIO	DESIGNED AIR CONTENT (% BY VOLUME)
BEARING FOOTINGS	3000	517	0.50	6% +/- 1.5%
FOUNDATION WALLS	4000	564	0.45	0% - 3% MAXIMUM ENCASED
INTERIOR SLAB	4000	564	0.45	6% +/- 1.5%
EXTERIOR SLAB ON GRADE	4000	564	0.45	

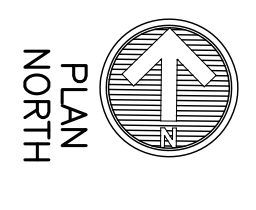
COL. FOOTING & PIER SCHEDULE	
F-1	72" X 72" X 18" FOUNDATION PAD 18" X 16" PIER REIN. (4) #55 VERT. AND (3) #3 TIES 10" O.C. HORIZ.

- CONCRETE SHALL BE DESIGNED, FABRICATED, AND IN ACCORDANCE WITH THE FOLLOWING:
  - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-02) AND COMMENTARY (ACI 318-02)
  - ACI DEPARTING MANUAL, REPRINTED BY ACI COMMITTEES 2)
- CONCRETE SHALL BE TESTED IN ACCORDANCE WITH ACI 318-02 SECTION 5.6 EVALUATION AND ACCEPTANCE OF CONCRETE.
- CONCRETE SHALL BE READY-MAKED AND DELIVERED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM C94, SPECIFICATION FOR READY-MAKED CONCRETE.
- ALL CEMENT SHALL BE THE 1 PORTLAND CEMENT PER ASTM C150 UNLESS CONSTRUCTION NEEDS OR ENVIRONMENT DEMAND A SPECIAL CEMENT TYPE BE USED.
- ALL ADMIXTURE USED IN CONCRETE SHALL BE COMPATIBLE.
- REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
- REINFORCING BARS FOR WELDED APPLICATIONS AND WHERE OTHERWISE NOTED ON THE STRUCTURAL DRAWINGS SHALL CONFORM TO ASTM A706, GRADE 60.
- WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A185, WELDED WIRE FABRIC SHALL LAP ONE FULL MESH SPACE PLUS 2" AT SIDES AND ENDS, AND BE WELDED TOGETHER.
- CONCRETE AGGREGATES SHALL CONFORM WITH ASTM C33 STANDARD SPECIFICATION FOR CONCRETE AGGREGATE.
- WATER USED IN MAKING CONCRETE SHALL BE POTABLE.
- CALCIUM CHLORIDE SHALL NOT BE PERMITTED NOR SHALL ANY ADMIXTURE CONTAINING CALCIUM CHLORIDE BE PERMITTED.
- WIRE BAR SUPPORTS SHALL BE FINISHED FOR ALL REINFORCING WITHIN SLABS, INCLUDING OF WELDED WIRE FABRIC, BOTTOM BARS IN SLAB-ON-GRADE MAY BE SUPPORTED BY OTHER SUITABLE MEANS, BAR SUPPORTS SHALL BE IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE MANUAL OF STANDARD PRACTICE.
- REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- IN REINFORCED CONCRETE WALLS AND FOOTINGS PROVIDE CORNER BARS OF THE SAME SIZE AND SPACING AS HORIZONTAL REINFORCING IN EACH DIRECTION.
- CONCRETE SHALL BE PLACED AND VIBRATED IN A TIMELY MANNER TO AVOID THE FORMATION OF COLD JOINTS.
- PROVIDE #4 SLAB DOWELS AT 12" O.C. AT DOORS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- ALL STRUCTURAL STEEL SHALL BE PROTECTED BY 3" OF CONCRETE WHERE EARTH WOULD OTHERWISE BE IN CONTACT WITH STEEL.
- UNLESS NOTED OTHERWISE ON THE DRAWINGS ALL SLAB-ON-GRADE CONSTRUCTION SHALL HAVE CONTROL JOINTS AT APPROXIMATELY 12'-0" C.C. IN BOTH DIRECTIONS.
- CONCRETE 3" OF CONCRETE PROTECTION FOR THE REINFORCEMENT WHEN CONCRETE IS PLACED DIRECTLY AGAINST THE GROUND.





1 FRAMING PLAN  
3/16" = 1'-0"



FOR PERMIT 2.15.20

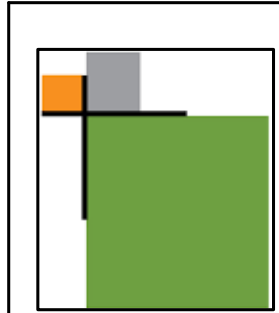
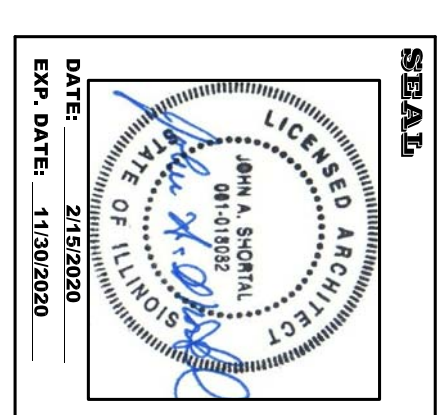
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SHEET TITLE  
FRAMING PLAN

PROJ. NO.: 190018  
DRAWN BY: JAS

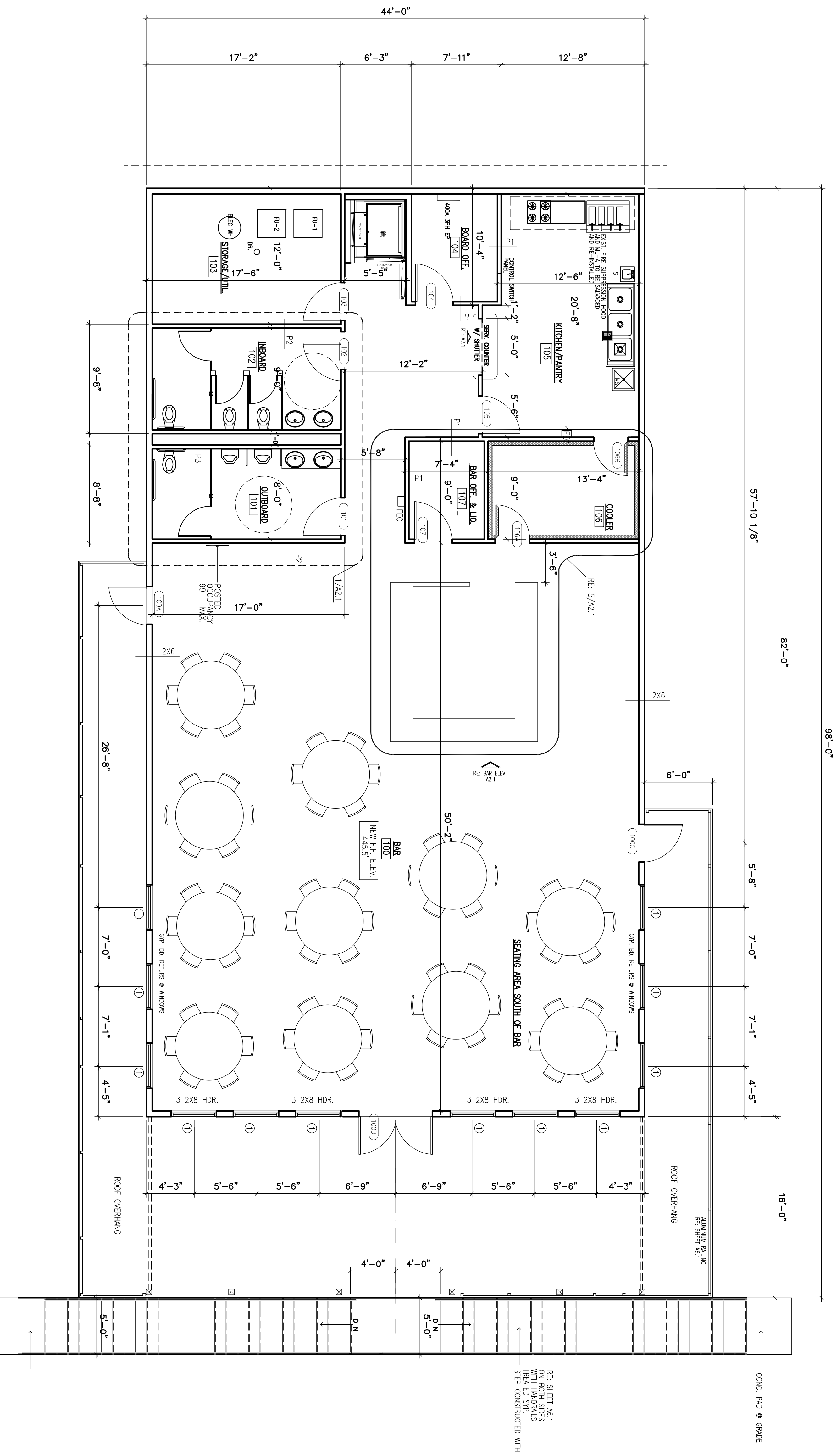
ISSUED: REVIEW  
REVISION: 2/15/2020  
DATE: 2/15/2020

ALTON MOTORBOAT CLUB  
PROPOSED CLUBHOUSE  
11134 HARBOR DELL RD. GODFREY, IL



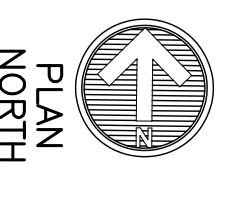
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GODFREY, ILLINOIS 62035  
(618) 466-7500





CONC. PAD @ GRADE  
 ROOF OVERHANG  
 ALUMINUM FINISH  
 RE: SHEET A8.1  
 ON BOTH SIDES  
 WITH HANDRAILS  
 STEPS CONSTRUCTED WITH

1 BUILDING PLAN  
 3/16" = 1'-0"  
 3,608 GROSS SF



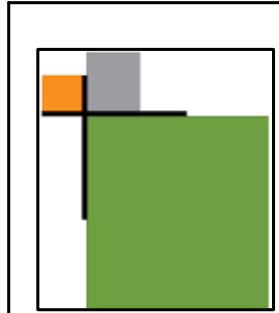
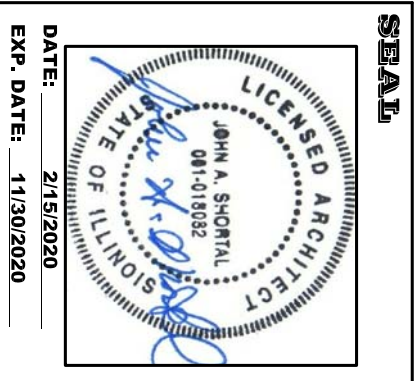
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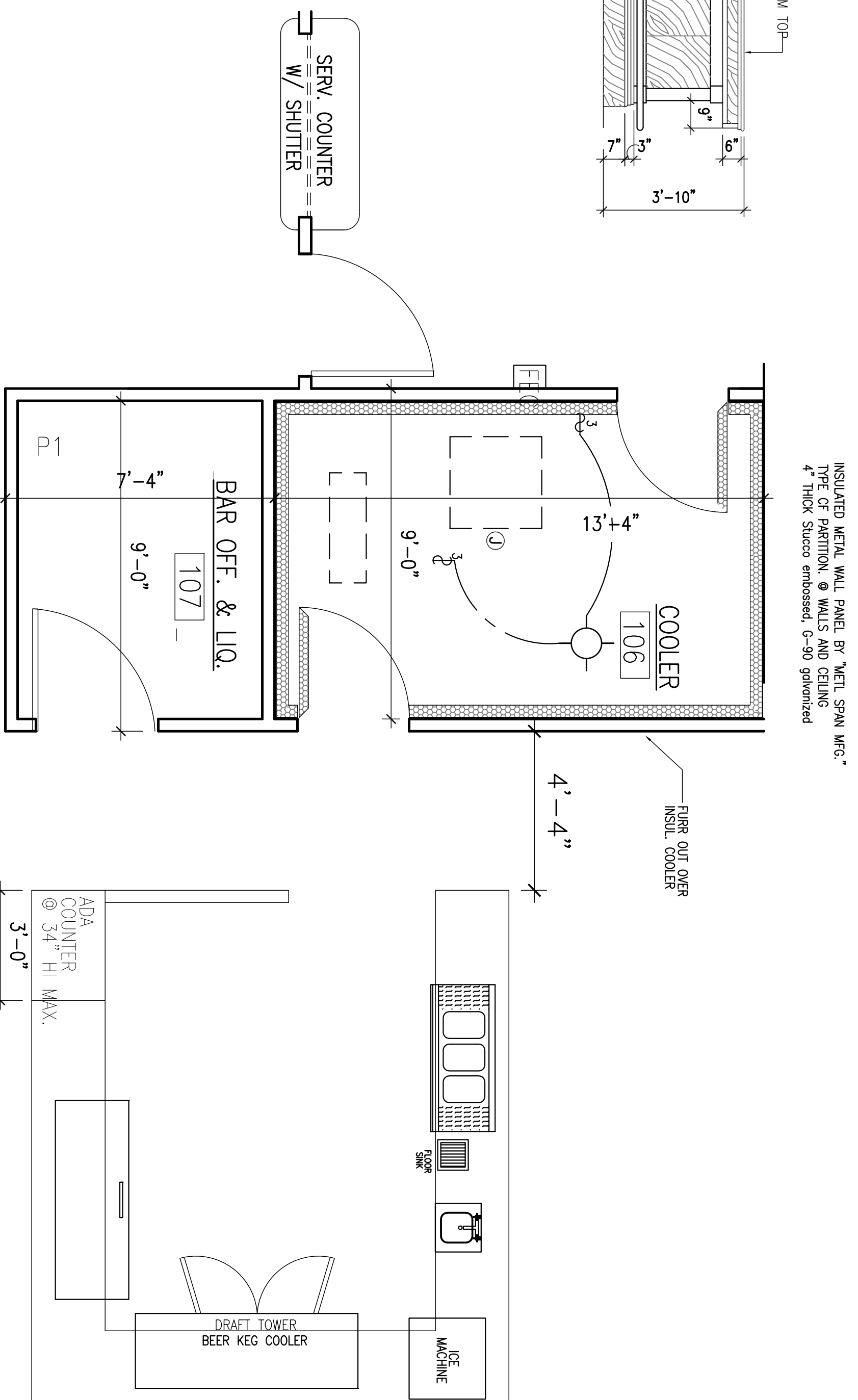
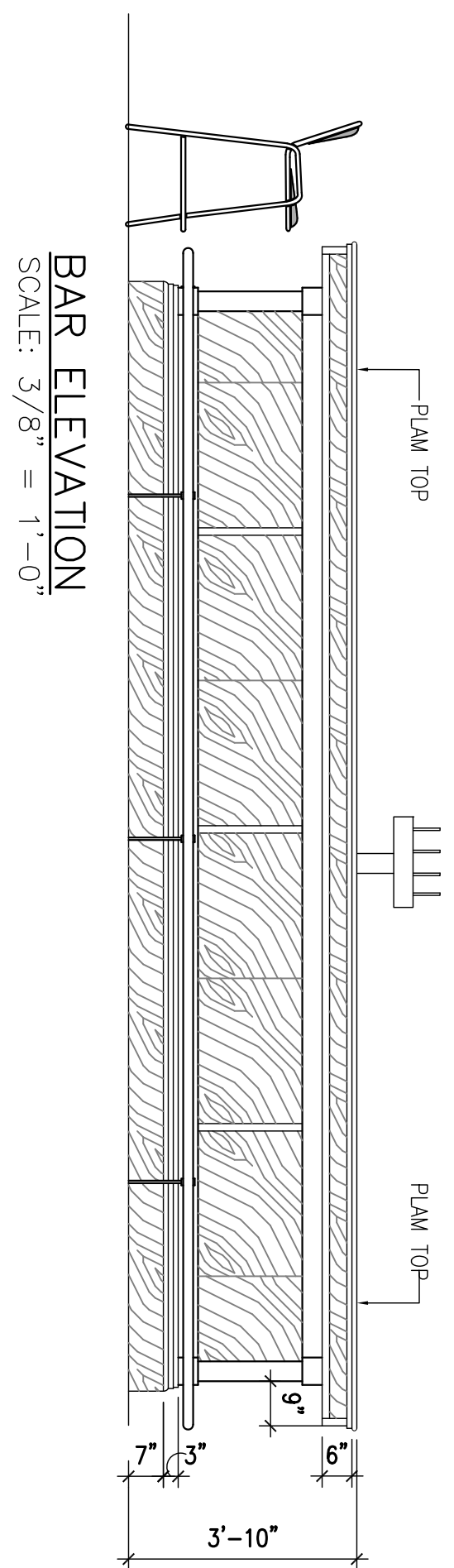
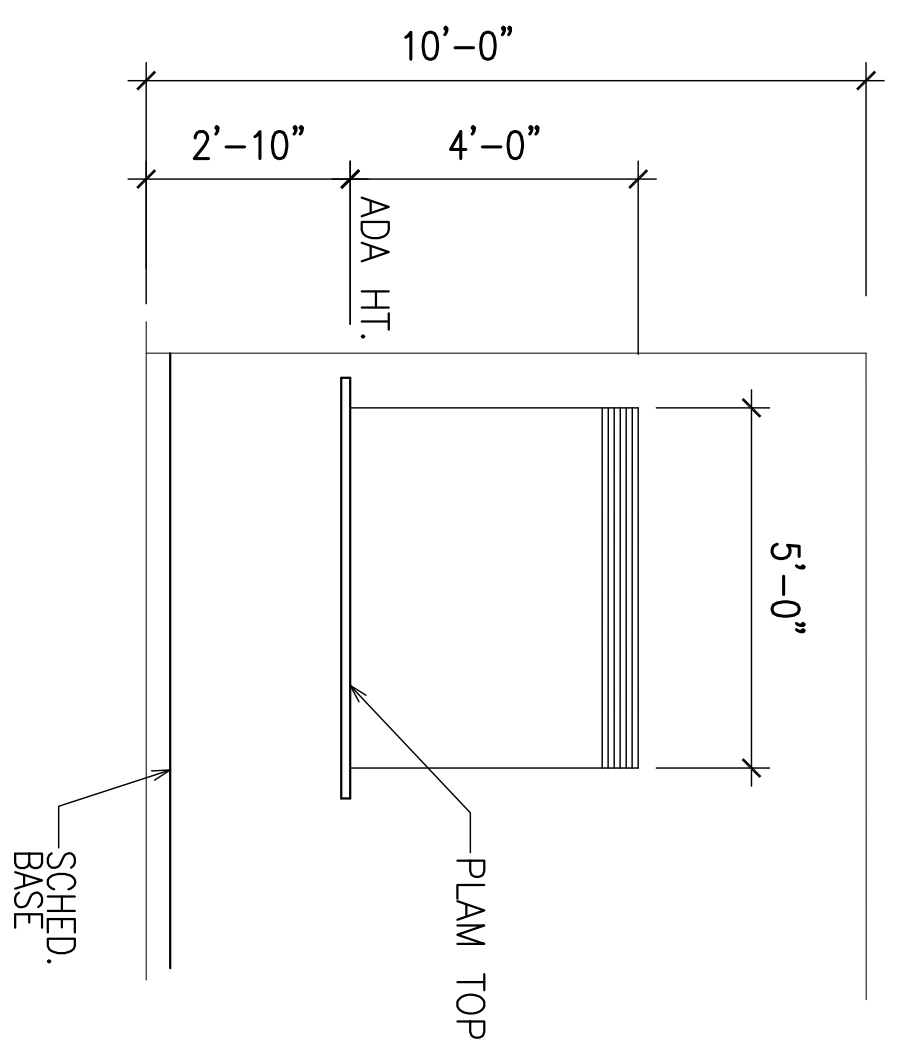
SHEET TITLE  
 FLOOR  
 PLAN

PROJ. NO.: 190018  
 DRAWN BY: JAS  
 ISSUED: REVIEW  
 REVISION: 2/15/2020  
 DATE: 2/15/2020

**ALTON MOTORBOAT CLUB  
 PROPOSED CLUBHOUSE**  
 11134 HARBOR DELL RD. GODFREY, IL



**JOHN A. SHORTAL,  
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 1342 D'ADRIAN PROFESSIONAL PARK  
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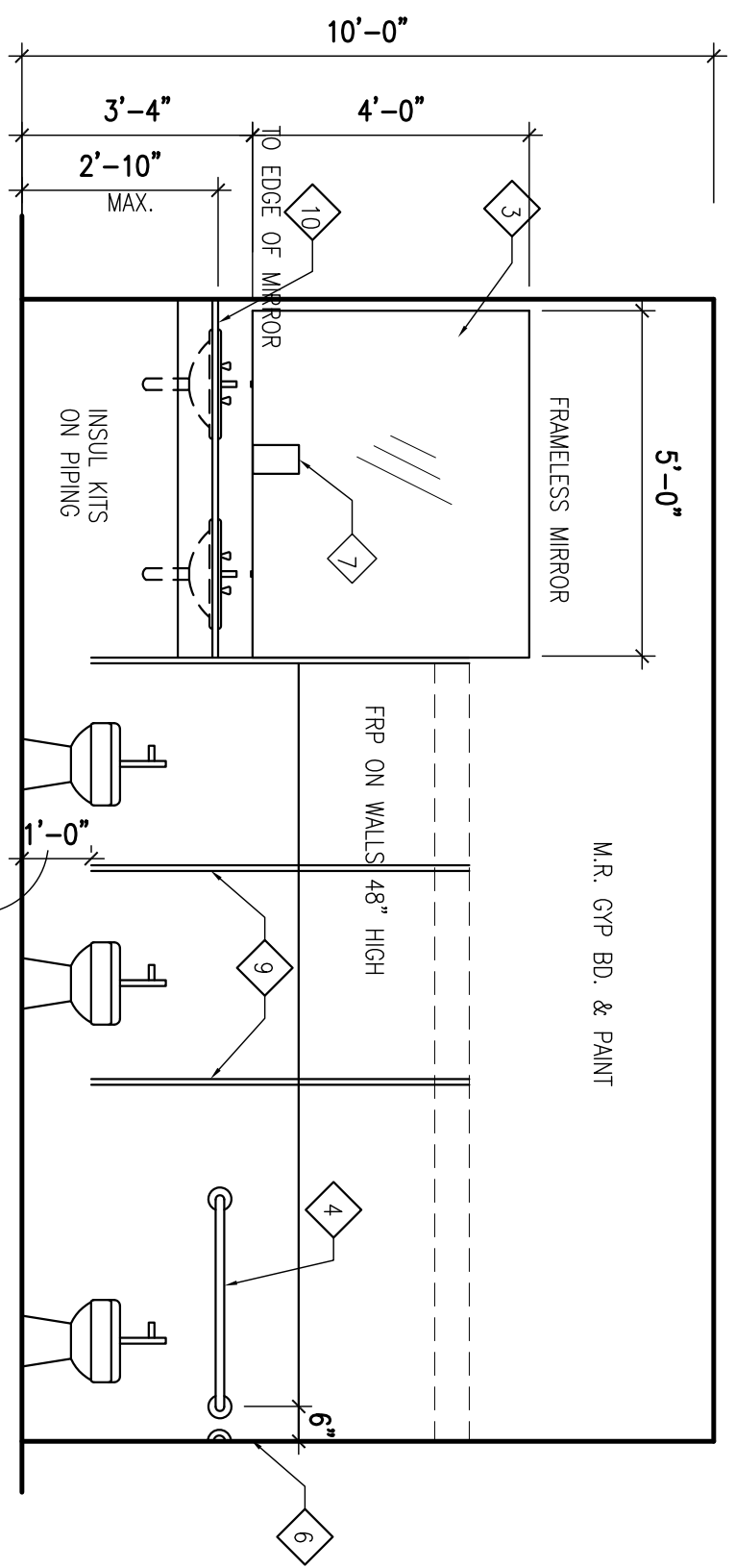
INSULATED METAL WALL PANEL BY METL SPAN MFG.  
TYPE OF PARTITION: ● WALLS AND CEILING  
4" THICK Stucco embossed, G-90 galvanized

5 ENLARGED BAR PLAN  
3/8" = 1'-0"

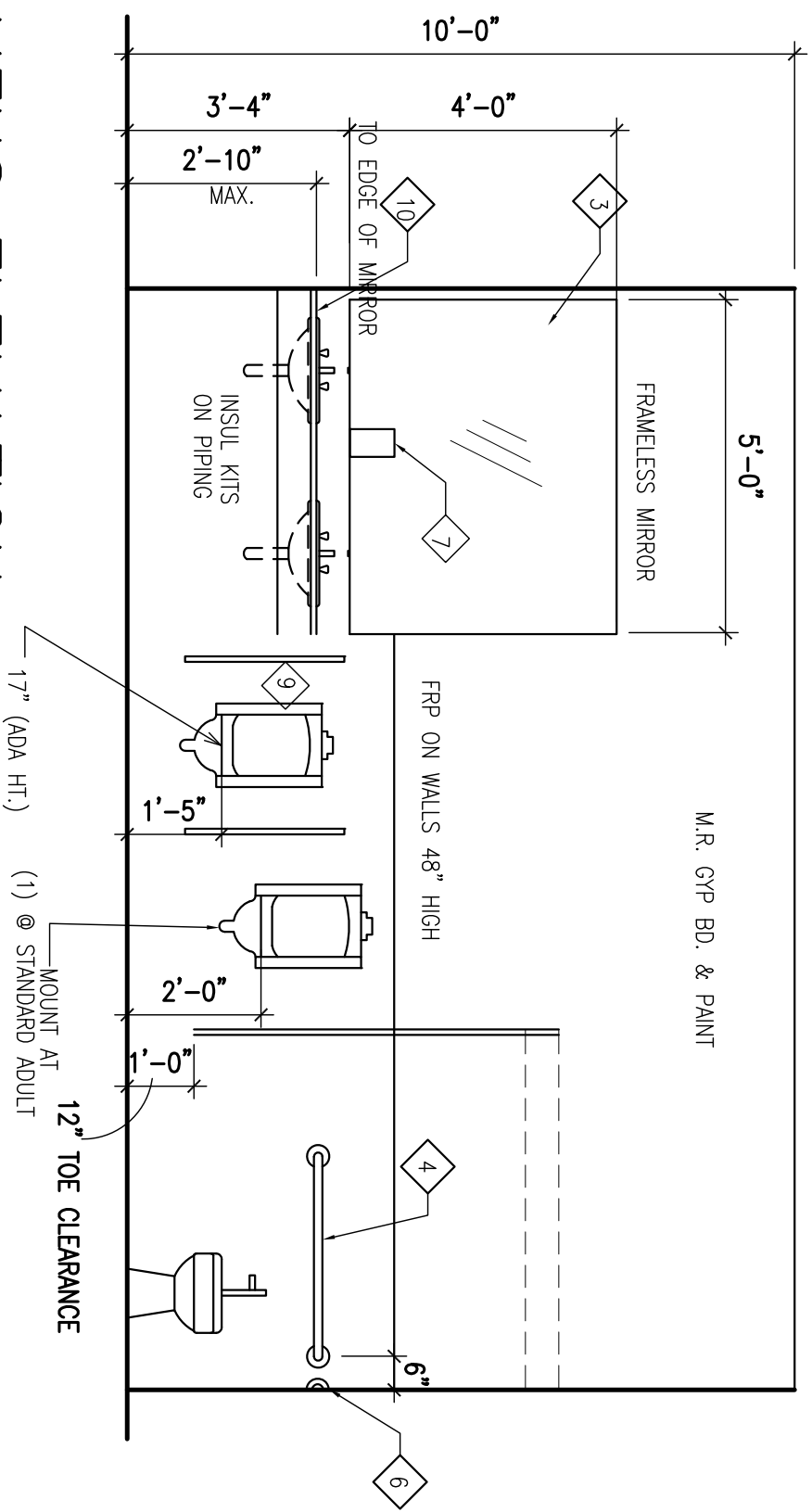
**Toilet Accessories :**

- 1 STAINLESS STL. FRAMELESS MIRROR
- 2 SURFACE MOUNTED TOILET TISSUE DISPENSER DUAL ROLLS
- 3 SEE ELEVATION STAINLESS STL. FRAMED MIRROR
- 4 36" LONG STAINLESS STEEL, 1 1/4" DIA. GRAB BAR WITH 18 GA. TYPE 304 WITH SAINI FINISH S.S. W/ ALL NECESSARY CONCEALED MOUNTING PLATES INCLUDE ANCHOR PLATES IN STUD WALLS SUPPLIED BY MFG. FIELD VERIFY WHERE OLD WALLS OCCUR.
- 5 42" LONG STAINLESS STEEL, 1 1/4" DIA. GRAB BAR WITH 18 GA. TYPE 304 WITH SAINI FINISH S.S. W/ ALL NECESSARY CONCEALED MOUNTING PLATES INCLUDE ANCHOR PLATES IN STUD WALLS SUPPLIED BY MFG. FIELD VERIFY WHERE OLD WALLS OCCUR.
- 6 AUTOMATIC SOAP DISH SOAP OR SIMILAR
- 7 AUTOMATIC HAND TOWEL DISPENSER MFG. TORX MATEC OR EQUAL #5910282 - BLACK
- 8 TOILET COMPARTMENT PARTITIONS AND URINAL DIVIDERS SHALL BE FLOOR MOUNTED POWERS COATED STEEL BRACKETS AND TO BLOCKING COLOR SELECT BY OWNER.
- 9 PLASTIC LAMINATE TOP
- 10 WASTE RECEPTACLE BY OWNER

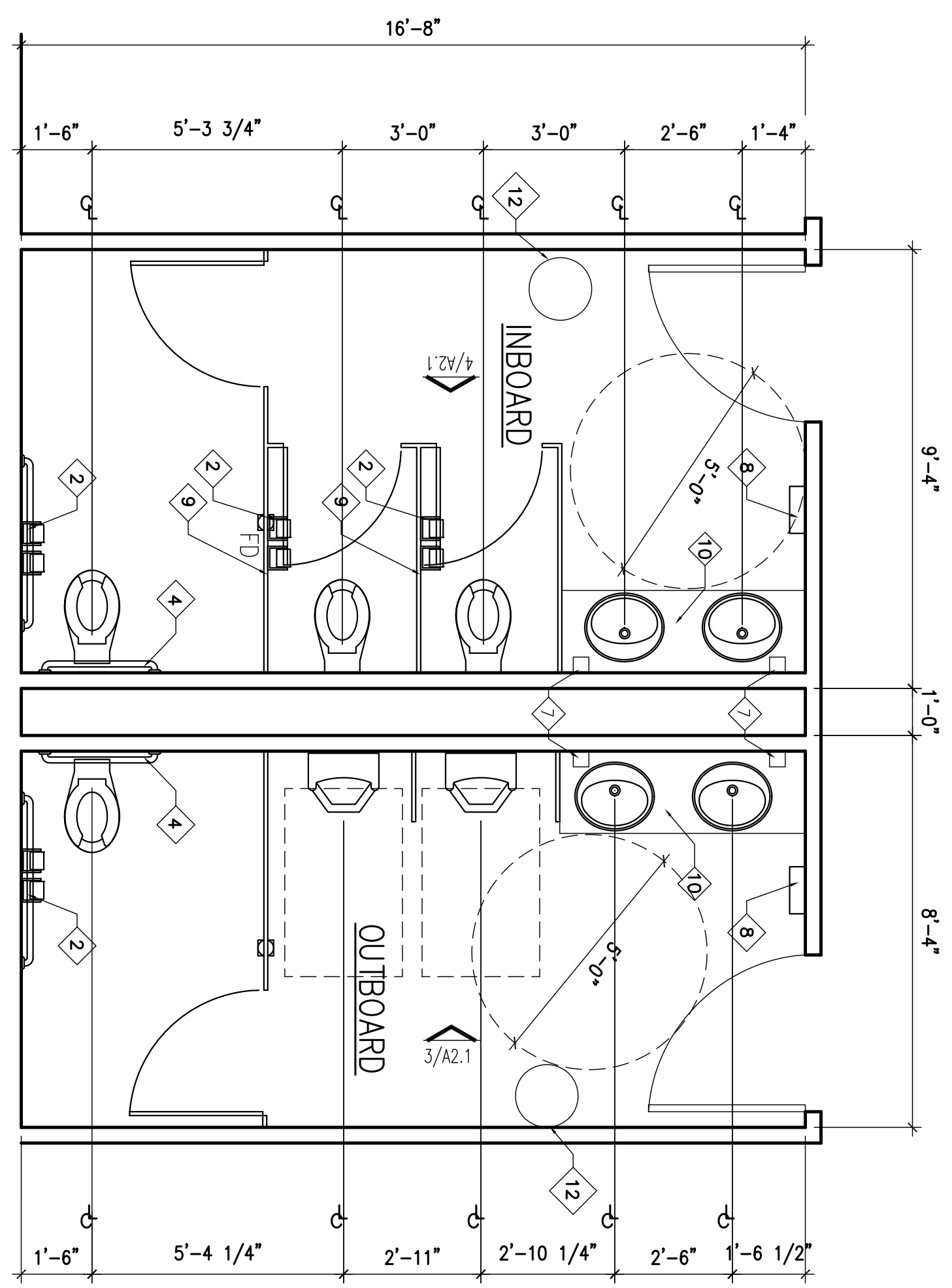
3 WOMENS ELEVATION  
3/8" = 1'-0"



2 MENS ELEVATION  
3/8" = 1'-0"

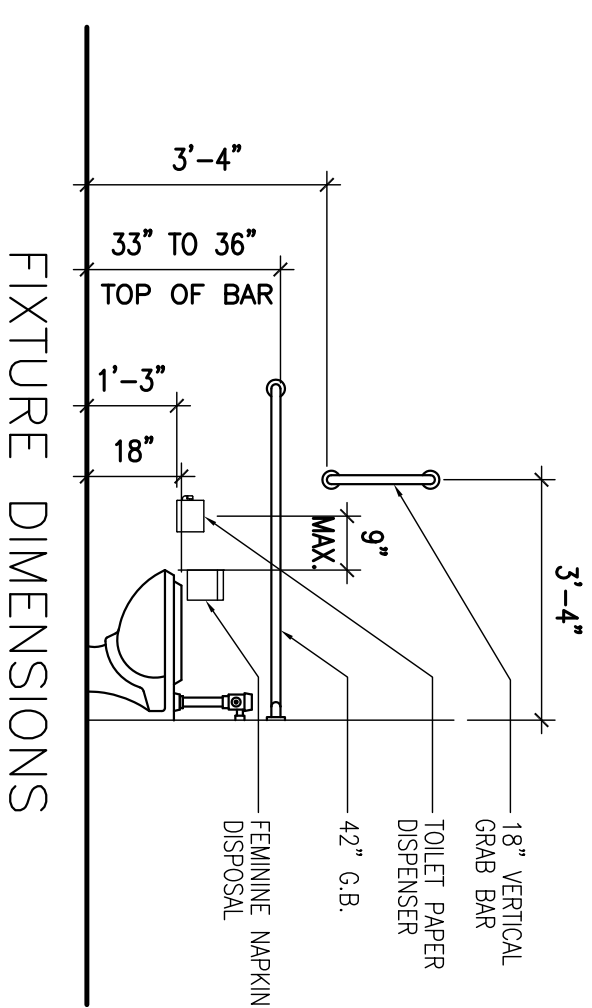


1 RESTROOM PLANS  
3/8" = 1'-0"



EQUIP.	MFG.	MODEL	SIZE
BAR COOLER	AMANTICO	178 UBB 2472G	72 x 240 x 35H
WALL MOUNTED HAND SINK	KROWNE	HS-4	16x15x6 DEEP
ICE MACHINE	MANTONCO	RMS-0244A	16 7/8" x 25 7/8" x 33 7/8"
TRIPLE SINK	KROWNE	1800 SERIES KR1B-43R	5'-0 1/2" x 190 x 36 7/8"
REACH IN COOLER	EXISTING (BY OWNER)		26" D x 5'-6" L x 35" H.
BEER KEG COOLER	EXISTING (BY OWNER)		6'-0"

- \* PLUMBING (DRAINAGE, HOT & COLD WATER FEEDS)
  - \* PTITIONS (DRAINAGE & SOFT DRINKS)
  - \* ELECTRICAL
  - \* DATA (PDU, TELEPHONE, TILLS, ALARMS)
- ALSO INSTAL SERVICES REQUIRED IN THE BACK BAR SERVERY AREAS:
- \* ELECTRICAL
  - \* DATA CABLES
  - \* FLOWING



**ALTON MOTORBOAT CLUB  
PROPOSED CLUBHOUSE**

11134 HARBOR DELL RD. GODFREY, IL

DATE: 2/15/2020  
REVISION: 2/15/2020

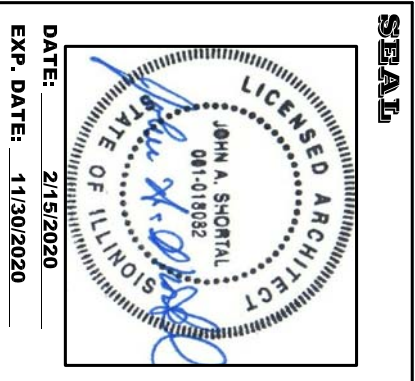
ISSUED REVIEW  
PROJ. NO.: 190018  
DRAWN BY: JAS

SHERB TITLE  
ENLARGED PLAN

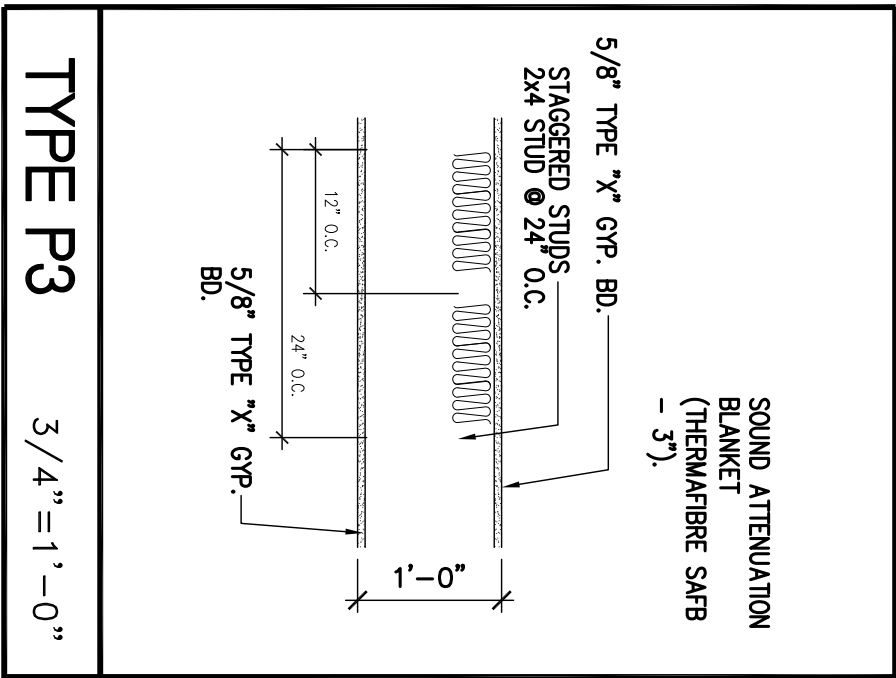
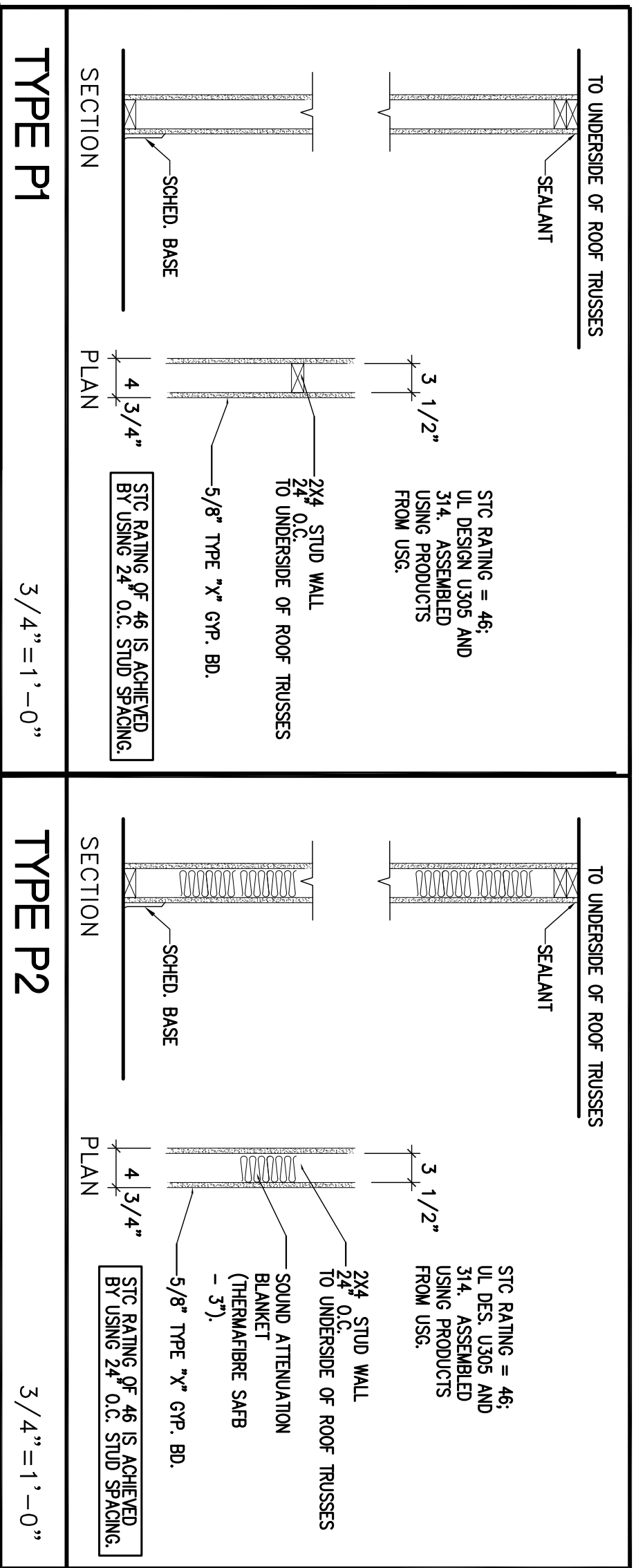
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**A2.1**



**JOHN A. SHORTAL,  
ARCHITECT, LTD.**  
1342 D'ADRIAN PROFESSIONAL PARK  
GODFREY, ILLINOIS 62035  
(618) 466-7500







SIDES ONE MATERIAL INJECTION MOLDED PLASTIC CONSTRUCTION. FINISHES: SUBSTRATE COLOR: GREY GRIPPING COLOR: WHITE FONT: CHELSEA MEDIUM

CAPITALIZATION, UPPER CASE CONSTRUCTION. FINISHES: SUBSTRATE COLOR: GREY GRIPPING COLOR: WHITE FONT: CHELSEA MEDIUM

NOTE: DOOR LOOKING MECHANISM MUST BE NO HIGHER THAN 48\"/>

GRADE 2 BRALLE RATE UP 1/32\"/>

NOTE: DOOR LOOKING MECHANISM MUST BE NO HIGHER THAN 48\"/>

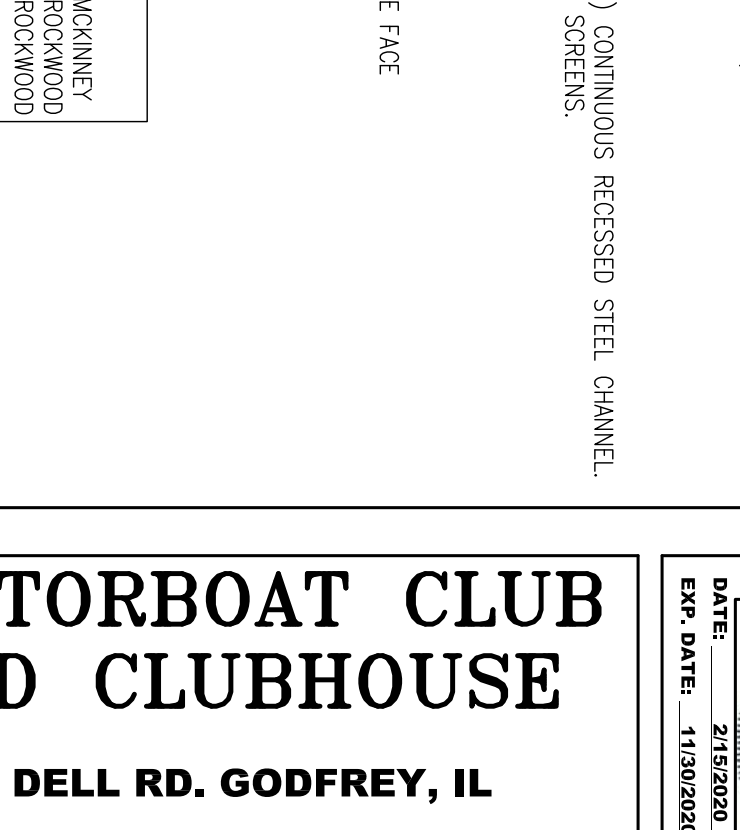
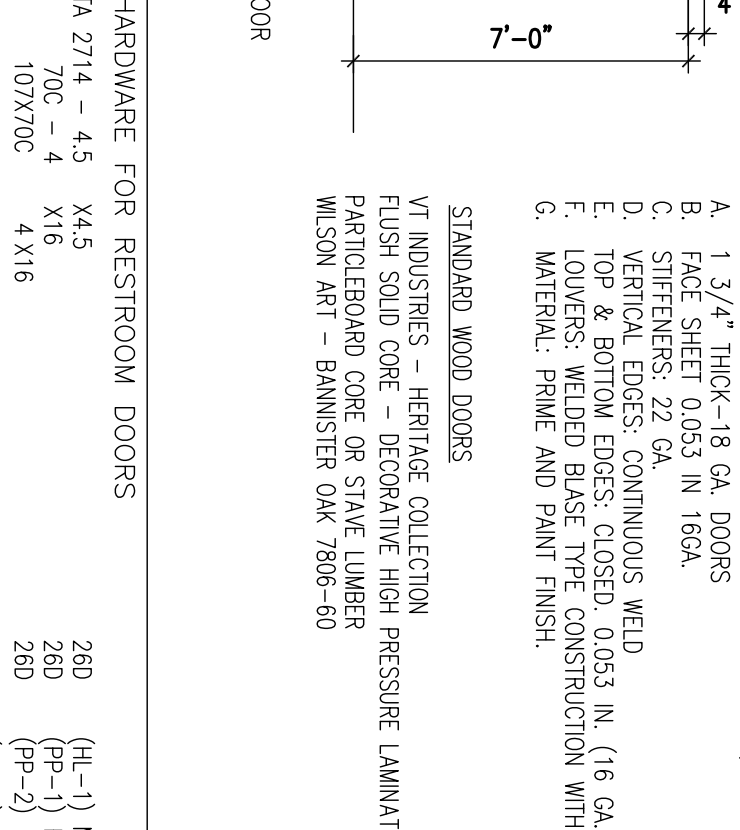
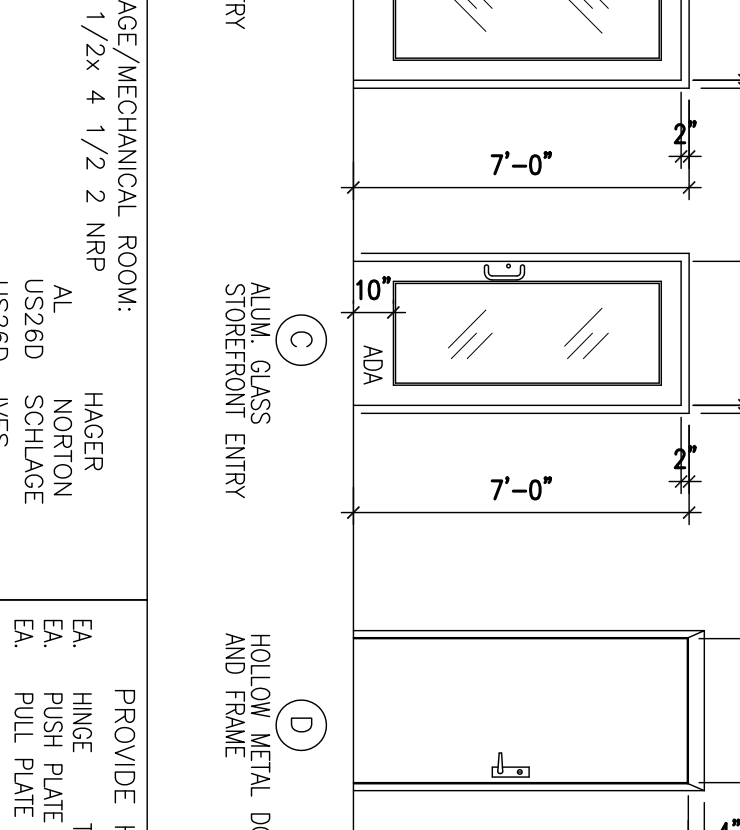
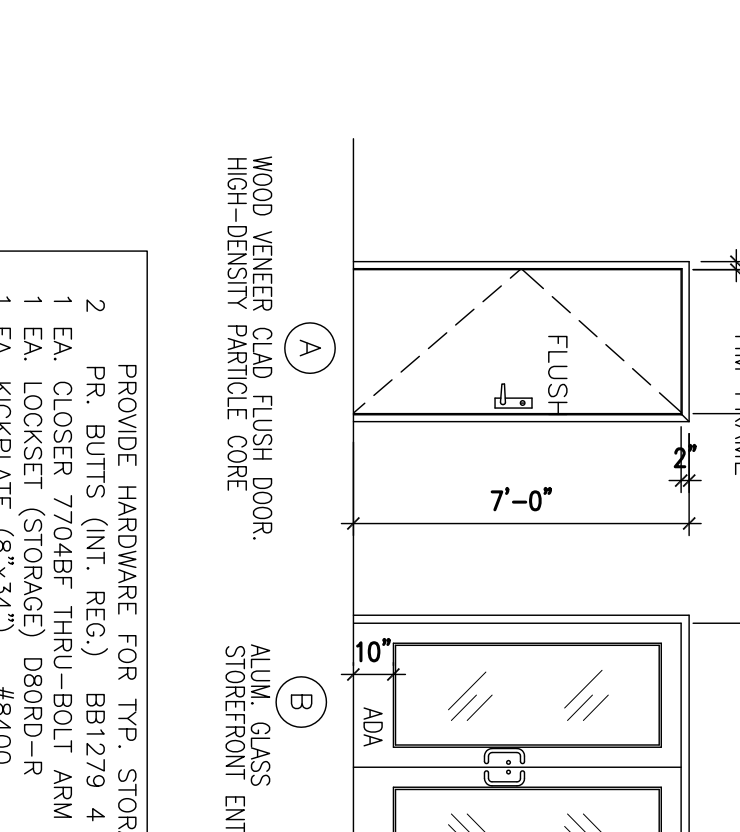
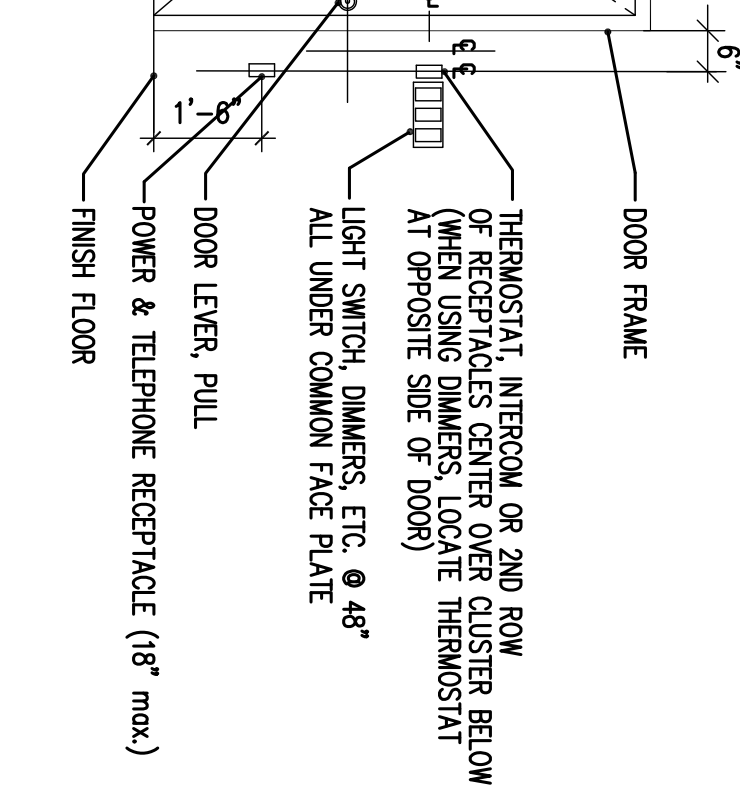
GRADE 2 BRALLE RATE UP 1/32\"/>

NOTE: DOOR LOOKING MECHANISM MUST BE NO HIGHER THAN 48\"/>

GRADE 2 BRALLE RATE UP 1/32\"/>

NOTE: DOOR LOOKING MECHANISM MUST BE NO HIGHER THAN 48\"/>

**MOUNTING DIAGRAM**



DOOR SCHEDULE							ALL FINISHES SHALL BE US260		
DOOR NO.	WIDTH	HEIGHT	THICKNESS	TYPE	HARDWARE	FRAME	SILL	RATING	REMARKS
100A	3'-0"	7'-0"	1 3/4"	C		AL	AL/ADA	-	
100B	3'-0"	7'-0"	1 3/4"	B		AL	AL/ADA	-	
100C	3'-0"	7'-0"	1 3/4"	C		AL	AL/ADA	-	
100D	3'-0"	7'-0"	1 3/4"	A	SCHEDULE KEYPAD	H.M.	-	-	
101	3'-0"	7'-0"	1 3/4"	A		H.M.	-	-	
102	3'-0"	7'-0"	1 3/4"	A		H.M.	-	-	
103	3'-0"	7'-0"	1 3/4"	A		H.M.	-	-	
104	3'-0"	7'-0"	1 3/4"	A		H.M.	-	-	
105	3'-0"	7'-0"	1 3/4"	A		H.M.	-	-	
106A	3'-0"	7'-0"	1 3/4"	A		H.M.	-	-	
106B	3'-0"	7'-0"	1 3/4"	A		H.M.	-	-	
107	3'-0"	7'-0"	1 3/4"	D		H.M.	-	-	

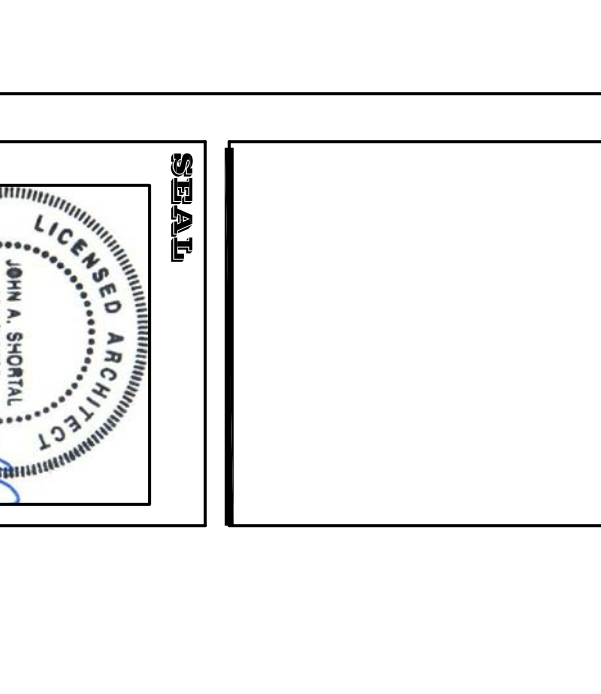
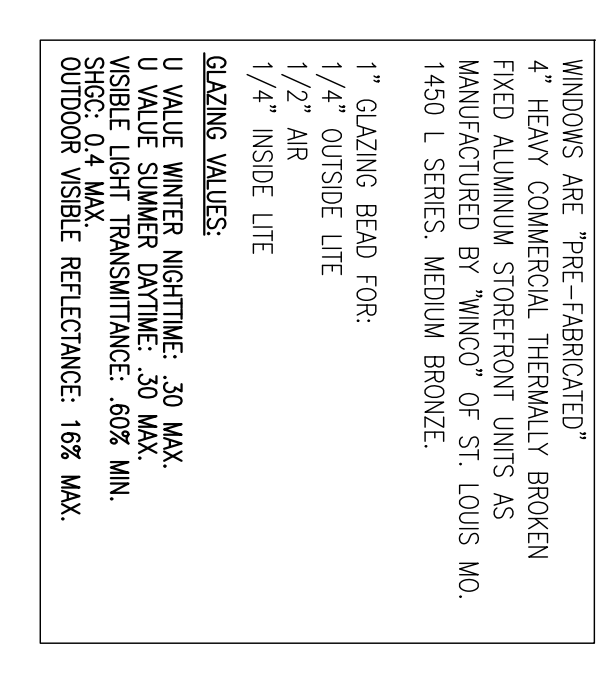
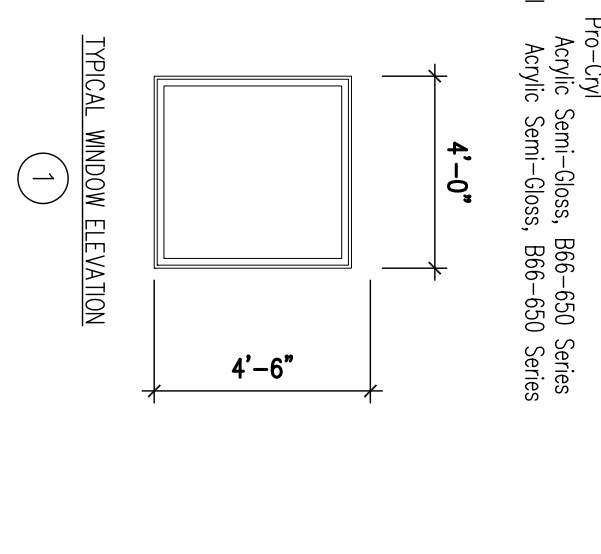
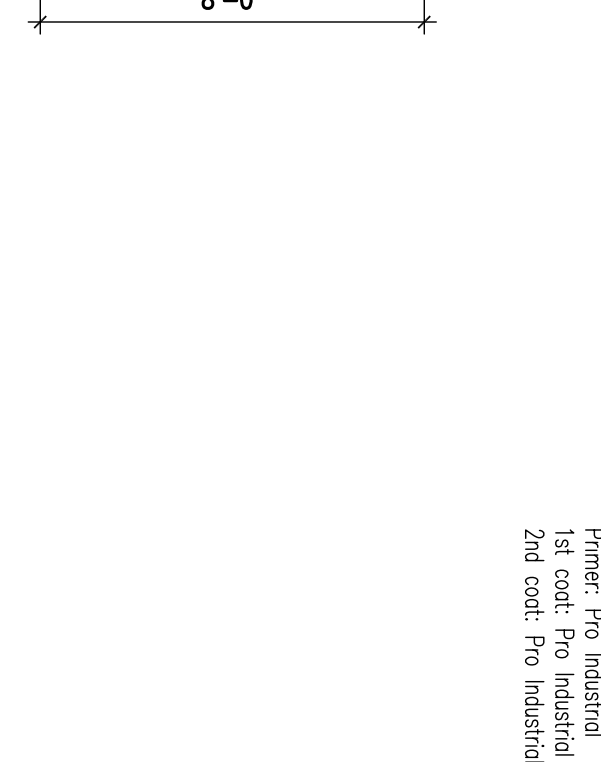
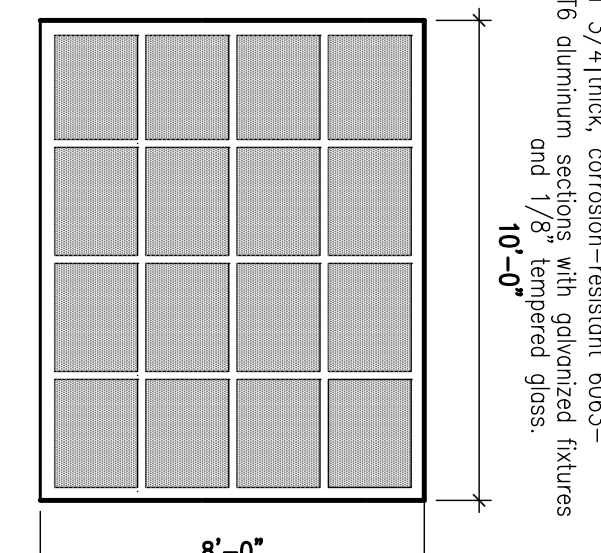


FIGURE PHOTOGRAPH	
3 EA. HINGE 4 1/2" x 4 1/2" BUTTS BR1219	"HAGER"
1 EA. PULL BAR W/SHOULDER	"FALCON"
1 EA. COAT HOOKS 5721-3533D	"VES"
1 EA. SOUND SEALS 2528 X 36" X 84"	"NATIONAL GUARD"

PROVIDE HARDWARE FOR RESTROOM DOORS	
EA. HINGE 4 1/2" x 4 1/2" BUTTS BR1219	HAGER
EA. PULL BAR W/SHOULDER	NORTON
EA. COAT HOOKS 5721-3533D	US260
EA. KICKPLATE #8400	US260
EA. SOUND SEALS 2528 X 36" X 84"	US260

PROVIDE HARDWARE FOR TYPICAL OFFICE ROOM	
3 EA. HINGE 4 1/2" x 4 1/2" BUTTS BR1219	"HAGER"
1 EA. PULL BAR W/SHOULDER	"FALCON"
1 EA. COAT HOOKS 5721-3533D	"VES"
1 EA. SOUND SEALS 2528 X 36" X 84"	"NATIONAL GUARD"

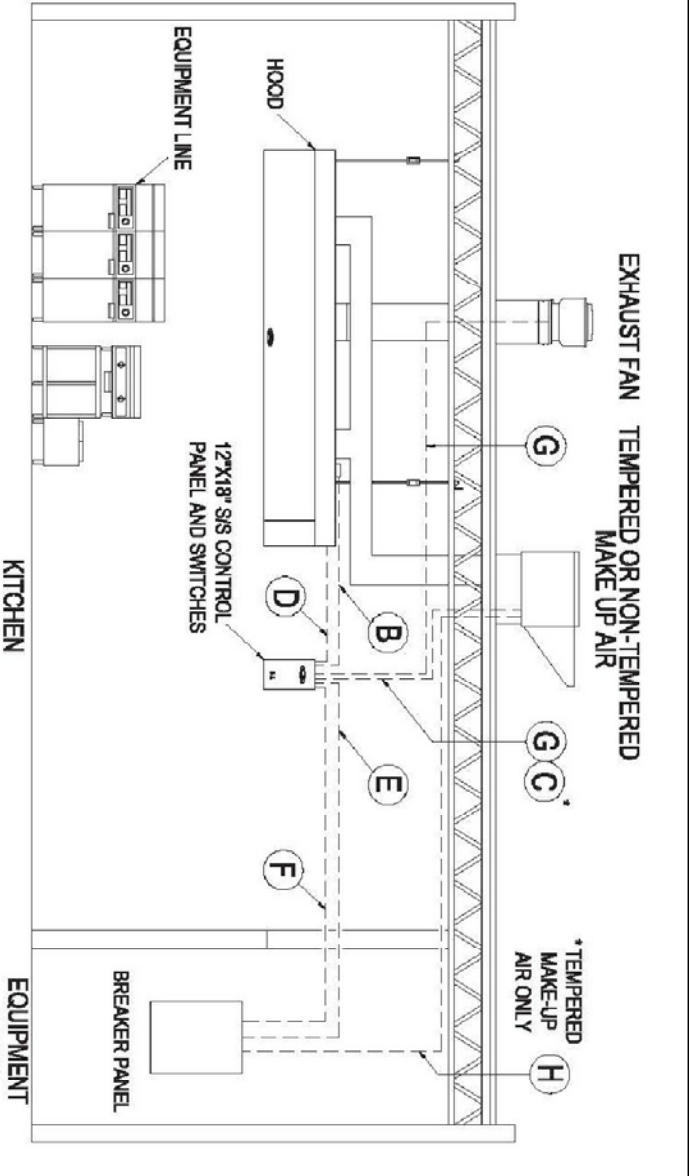


Figure 3  
Electrical Connection Required for System

- SIS: 12" x 18" x 6" control panel with hinged door and switches:
- (A) - Lights in hood (120V, 1 Phase 20 AMP)
- (B) - Low voltage control wiring (tempered make up air)
- (C) - Fire suppression micro switches
- (D) - 2 separate circuits from breaker panel:
- (E) - (1) 20VAC SAMP for control voltage
- (F) - (1) 20VAC SAMP for control voltage
- (G) - 1 phase power as required from breaker panel to fans (see wiring diagram)
- (H) - 1 phase power (tempered make up air is provided) from breaker panel to unit.

Note: tempered make-up air is provided, the power wiring for the tempered unit must be connected directly from breaker panel. (H) and a separate control circuit connected from the unit to the control panel. (G)

FOR PERMIT 2.15.20  
A2.2

SHEET TITLE  
DOOR & FINISH SCHEDULE

ALTON MOTORBOAT CLUB  
PROPOSED CLUBHOUSE  
11134 HARBOR DELL RD. GODFREY, IL

DATE: 2/15/2020  
REVISION: 2/15/2020  
ISSUED: REVIEW  
ROLL NO.: 190018  
DRAWN BY: JAS

SEAL  
DATE: 2/15/2020  
EXP. DATE: 11/30/2020

JOHN A. SHORTAL, ARCHITECT, LTD.  
1342 D'ADRIAN PROFESSIONAL PARK  
GODFREY, ILLINOIS 62035  
(618) 466-7500



Electrical layout showing all scheduled fixtures and their locations. Electrical connections shall complete all the circuits and branch wiring for a complete working electrical system.

CALCULATED SYMBOL	DESCRIPTION	MFG.	LAMP	VOLTS	NOTES
A	6" CHANGING FLUORESCENT UL REC. COULON LIGHT	GOSS-HAL-CHISEL	(2) 24 WATT	120V 0P 2W	
B	4" RECESSED DOWN LIGHT (UL LISTED)	HALO-H SERIES BY COOPER INDUSTRIES	LED	120V 0P 2W	PROVIDE WITH BALLAST RECONNECT
C	4" W/4000K LUMINAIRE	METALUX 40 WATT DEL. W/8	2 LAMP FLUORESCENT	120V 0P 2W	PROVIDE WITH BALLAST RECONNECT
D	SELF-EMERGENCY EXIT LUMINAIRE WITH EMERGENCY LIGHTING	SHRETTLES LP7070WH-DH-S0	(2) LED/INCANDED	120V 0P 2W	LUMINAIRE SHALL BE PROVIDED WITH SELF DIAGNOSTICS
E	EMERGENCY LUMINAIRE	SHRETTLES, COMWELL-S0	(2) 24W	120V 0P 2W	LUMINAIRE SHALL BE PROVIDED WITH SELF DIAGNOSTICS
F	SMOKE DETECTOR	SIEMENS RC-11		120V 0P 2W	
G	SMOKE DETECTOR	ORION LIGHTING-MODEM		120V 0P 2W	
H	DIAPHRAGM FLUORESCENT LUMINAIRE 24"X42"X12.5"	2-T16-224	(1) 14W W/8 0P 2W 12 LUMEN LAMP	120V 0P 2W	
J	FLUORESCENT 30W-4(2) 32W-18	LUMINA 1223AW	(2) 32W-18	120V 0P 2W	

**EXHAUST FAN (EF) SCHEDULE**

GENERAL INFORMATION		HEATING DATA		ELECTRICAL DATA				
TAG	MODEL NUMBER	EXHAUST AIR (CFM)	ESP (WG)	WT (LBS)	ROOF OPENING (IN)	VOLTAGE	PHASE	FLA
EF-1	SP-B110	75	0.375	10	N/A	120	1	-

**KARP ASSOCIATES, INC.**  
 54-54 43rd Street, Manhasset, NY 11038  
 (718) 784-2105 - Phone  
 (718) 784-9189 - Fax

**UNIVERSAL FIRE RATED ACCESS DOOR**

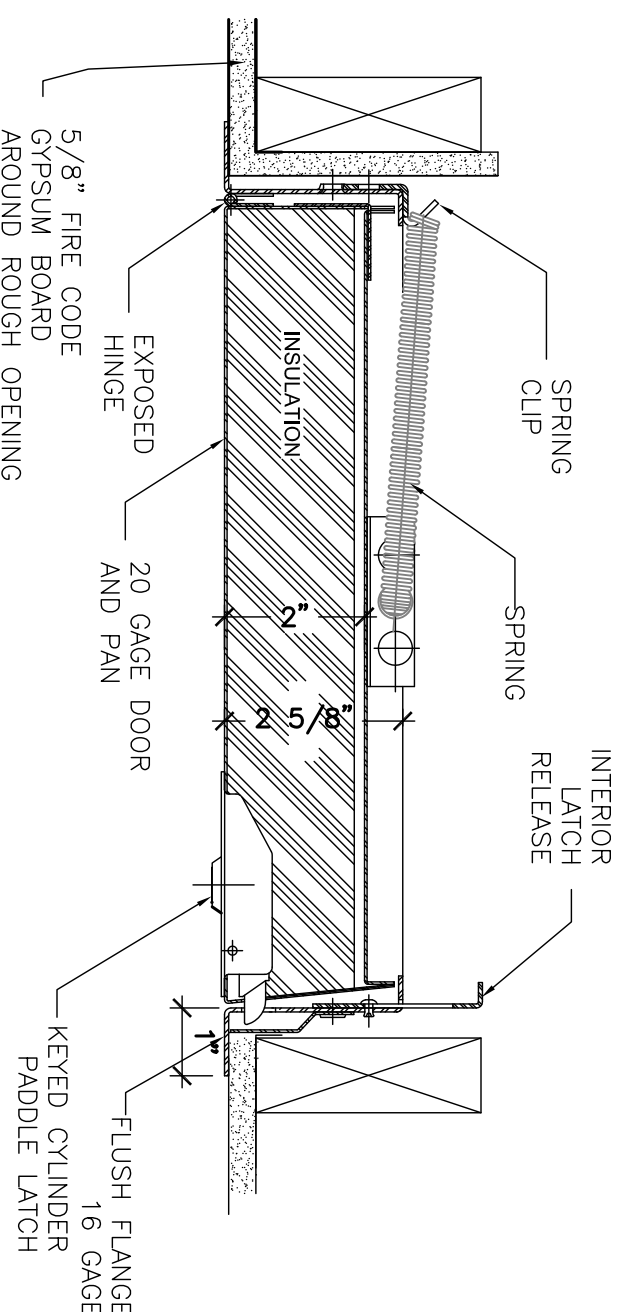
**GENERAL SCOPE:**  
 The KRP-150FR is insulated and rated by Underwriters Laboratories for 1.5 hour "B" label in walls, and may be used in a 2 hour fire rated wall assembly. Additionally, Watrook Hersey rated the KRP-150FR for 3 hours in ceilings.

- CONSTRUCTION:**
- Frame shall be 16 gage steel.
  - Door shall be 16 gage steel, welded pan type.
  - Flange shall be 16 gage steel, 1" wide.
  - Hinge shall be exposed continuous hano hinge.
  - Door shall be filled with 2" thick fire rated insulation.
  - Door shall have automatic closure, be self-latching, and contain interior latch release.
  - Latches shall be spring loaded sliding bolt type, keyed paddle latch, all keyed alike. Door can be prepared for a rim cylinder lock.
  - Finish shall be prime coat of rust inhibitive electrostatic powder, baked enamel. Stainless steel doors shall have #4 satin finish.

**FIRE-RATED ACCESS DOOR INSTALL IN SHEET ROCK, MASONRY, TILD OR PLASTER.**

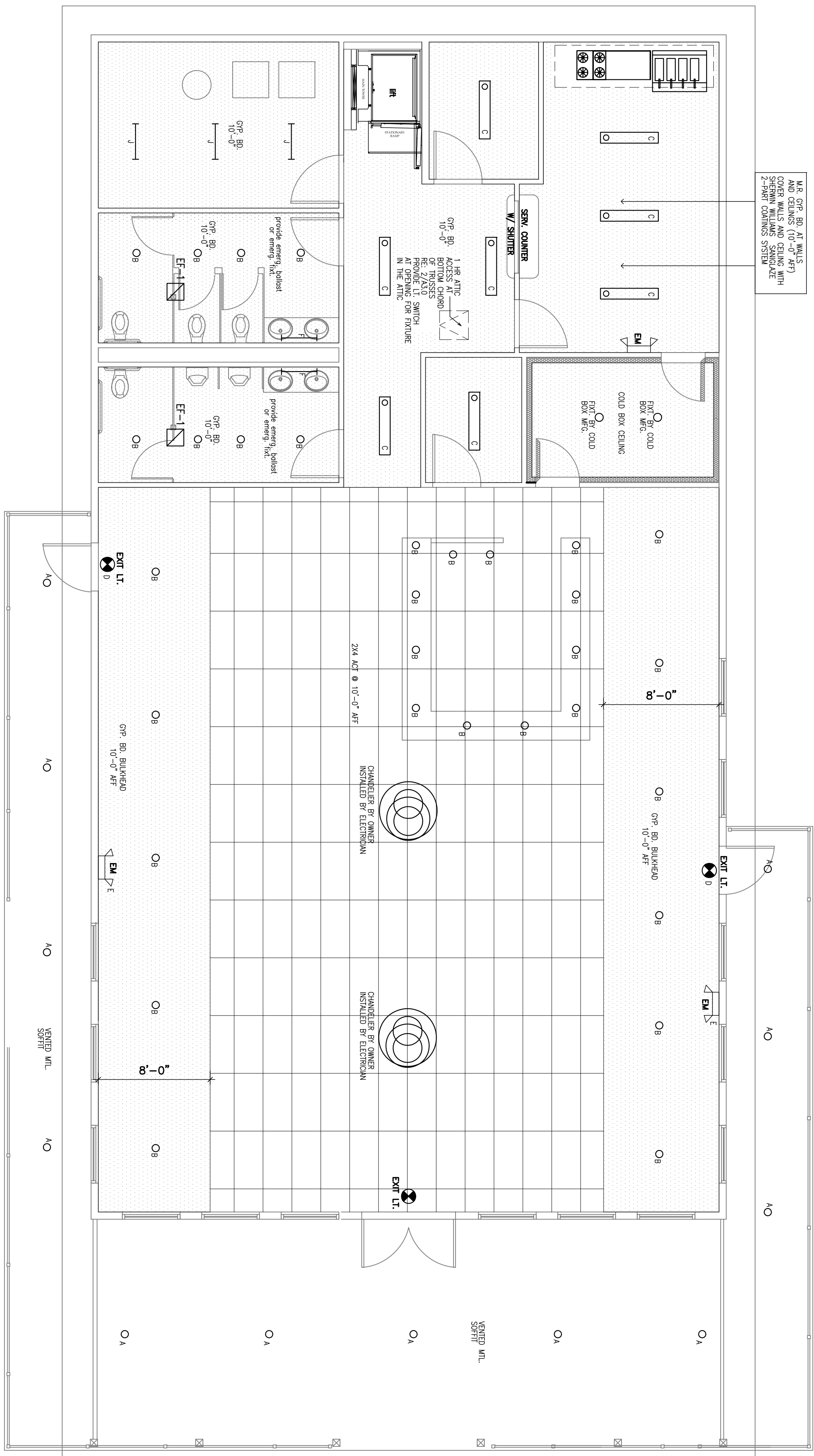
DOOR SIZE H X W (IN)	WALL/CEILING OPENING (IN)	NUMBER OF LATCHES	SHIP WT. (LBS.)
22 x 22	22 3/8 x 22 3/8	1	24.0

Model KRP-150FR



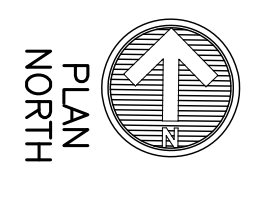
**1 HR RATED ATTIC ACCESS HATCH**

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



- ARMSTRONG ACI: CIRIUS, Second Look II (MINERAL FIBER): ITEM 510**
- A. Acoustical Panels Type AP**
- Surface texture: Medium
  - Composition: Mineral Fiber
  - Color: White
  - Size: 24" x 48" in.
  - Edge Profile: Beveled Taper 9/16" in.
  - Naming Reduction Coefficient (NRC): ASTM C 423, Classified with UL label on product carton 0.85
  - Ceiling Attenuation Class (CAC): ASTM C 1414, Classified with UL label on product carton 35
  - Seismic/VA
  - Attachment Case (AC):
  - From Series: ASTM E 1284, Class A (UL)
  - Light Reflectance (LR) White Panel: ASTM E 1477, 0.85
  - Dimensional Stability: Standard
  - Recycle Content: Post-Consumer - 0% Pre-Consumer - 67%
  - Material Ingredient, Transparency: Health Product Declaration (HPD): Declare Label
  - Life Cycle Assessment: Third Party Certified Environment Product Declaration (EPD)
  - Acceptable Product: CIRIUS Second Look, 510 No added formaldehyde as manufactured by Armstrong World Industries
- ARMSTRONG SUSPENSION SYSTEM: SUPREME XL 9/16"**
- Heavy Duty Rated.
  - Seismic Category C, D, E & F

**1 RCP**  
 3/16" = 1'-0"



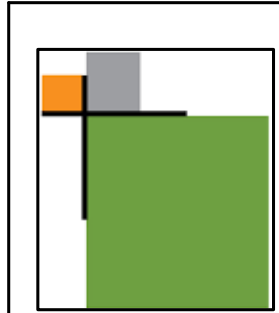
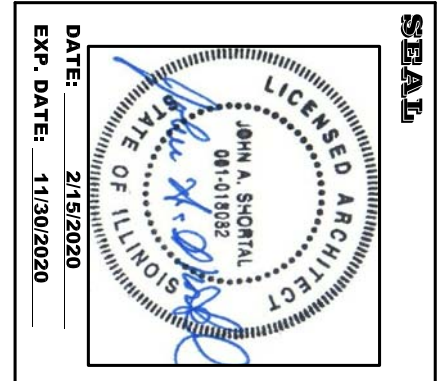
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**A3.0**

SHEET TITLE  
 UPPER LEVEL  
 ROP

DATE: 2/15/2020  
 REVISION: 2/15/2020  
 ISSUED FOR REVIEW  
 PROJ. NO.: 190018  
 DRAWN BY: JAS

**ALTON MOTORBOAT CLUB  
 PROPOSED CLUBHOUSE**  
 11134 HARBOR DELL RD. GODFREY, IL



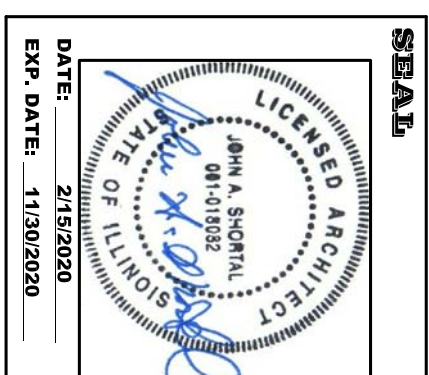
**JOHN A. SHORTAL,  
 ARCHITECT, LTD.**  
 1342 D'ADRIAN PROFESSIONAL PARK  
 GODFREY, ILLINOIS 62035  
 (618) 466-7500





**JOHN A. SHORTAL,  
ARCHITECT, LTD.**

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GODFREY, ILLINOIS 62035  
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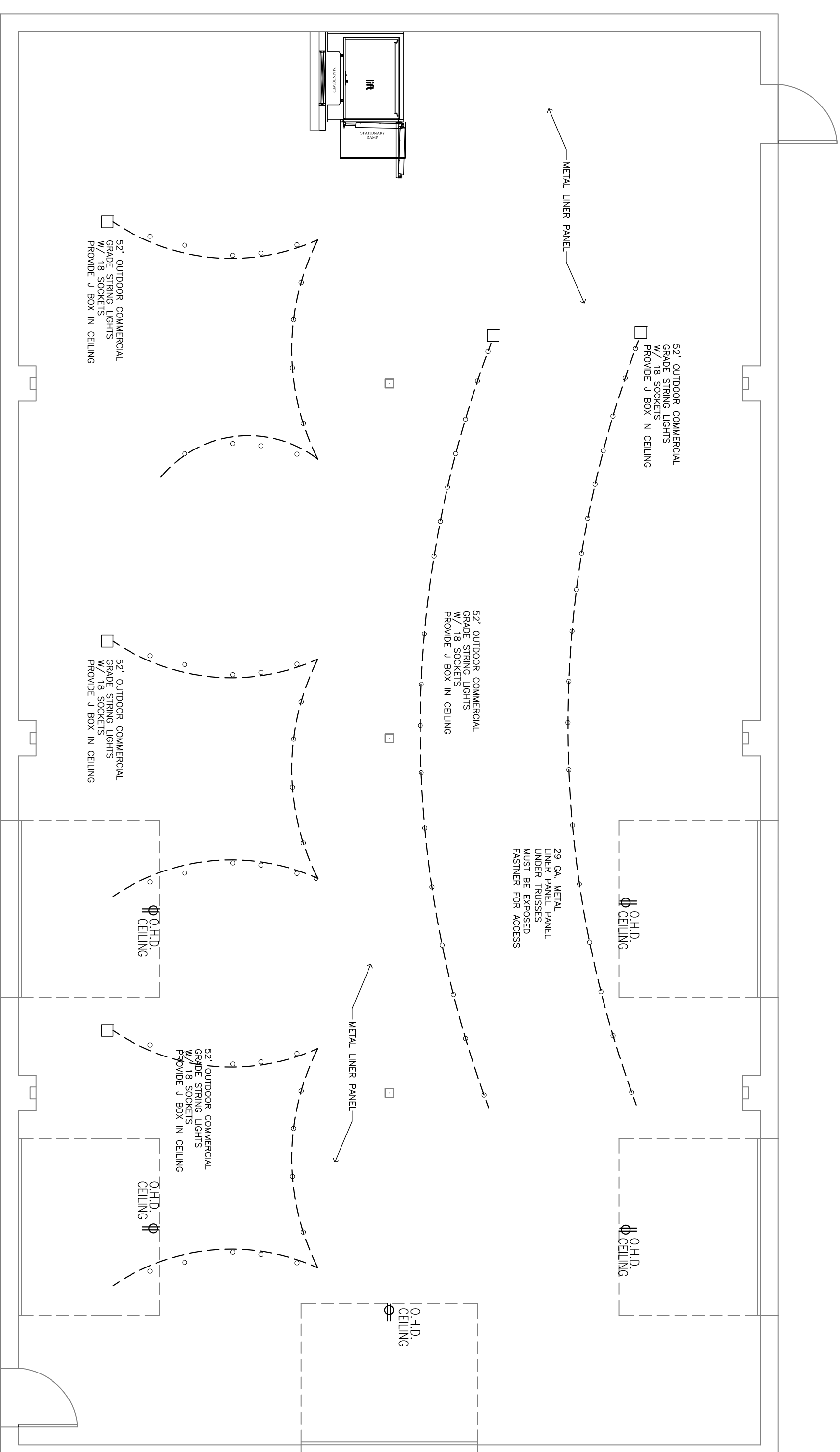
**ALTON MOTORBOAT CLUB  
PROPOSED CLUBHOUSE**  
11134 HARBOR DELL RD. GODFREY, IL

DATE: 2/15/2020  
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ISSUED: REVIEW  
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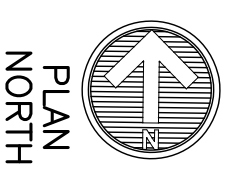
SHEET TITLE  
LOWER LEVEL  
RCP

FOR PERMIT 2.15.20

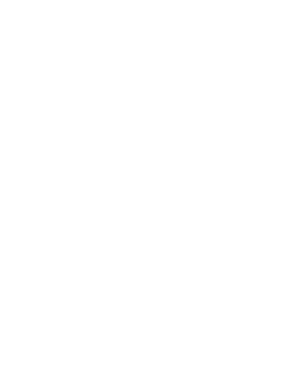
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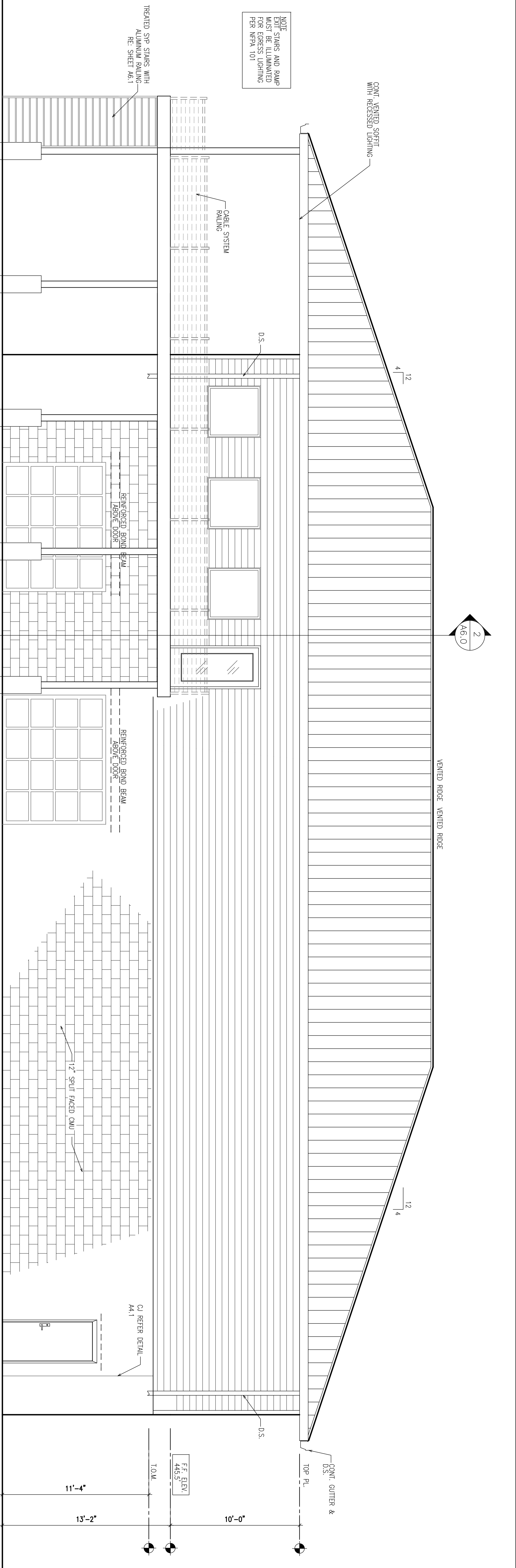
1 RCP  
3/16" = 1'-0"  
LOWER LEVEL



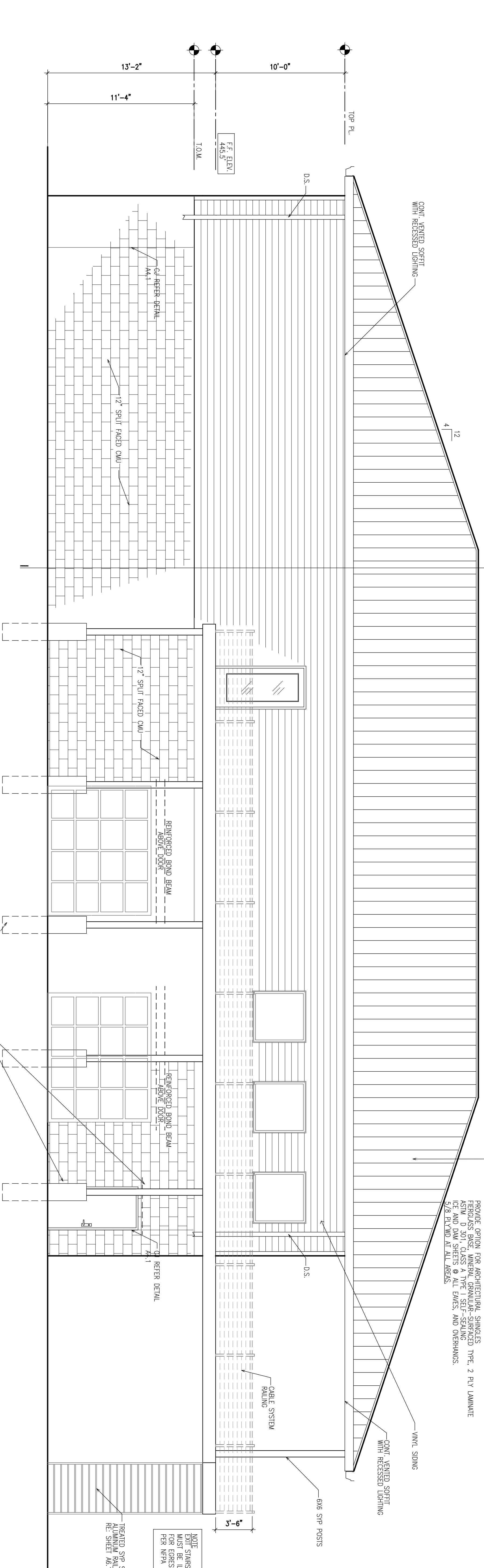
PLAN  
NORTH







2 EAST ELEVATION  
1/4" = 1'-0"



1 WEST ELEVATION  
1/4" = 1'-0"

ROOF PANELS DESIGN IS BASED ON "METEOR" METAL ROOF PANELS.  
26 GA. GALVALUME MAX-RIB EXPOSED FASTENER ROOF PANELS.  
COATING: KYNAR 500 (PVDF) FINISH AND 5/8" ROOF SHEARING FOR SOLID DECK INSTALLATION  
PANELS ARE INSTALLED BY PACKING PANEL HEAD FASTENER IN PANELS SLOTTED FLANGE.  
MEETS UP/IFU: U1560-CLASS 90  
CLASS A-U1790  
ALL ACCESSORIES BY MCGUIRE (FASTENERS, BUTYL SEALANT TAPES, ETC.)  
PROVIDE OPTION FOR ARCHITECTURAL SHINGLES  
FIBERGLASS BASE, MINERAL GRANULAR-SURFACED TYPE 2 PLY LAMINATE  
ASTM D 301 CLASS A TYPE 1 SELF-SEALING  
CLASS 90  
MEETS UP/IFU: U1560-CLASS 90  
CLASS A-U1790  
5/8" DIA. W/ 1/4" DIA. AREAS

NOTE: ROOF STAIRS AND RAMP MUST BE ILLUMINATED FOR EGRESS LIGHTING PER NFPA 101

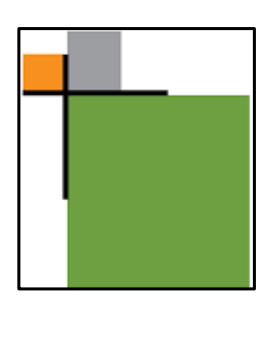
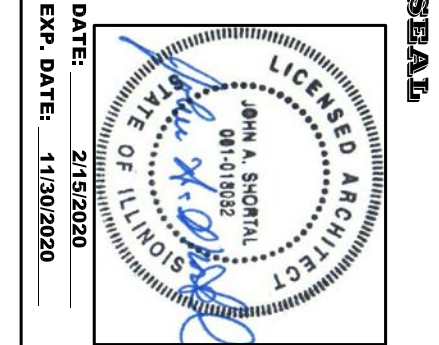
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A4.0

EXTERIOR ELEVATIONS

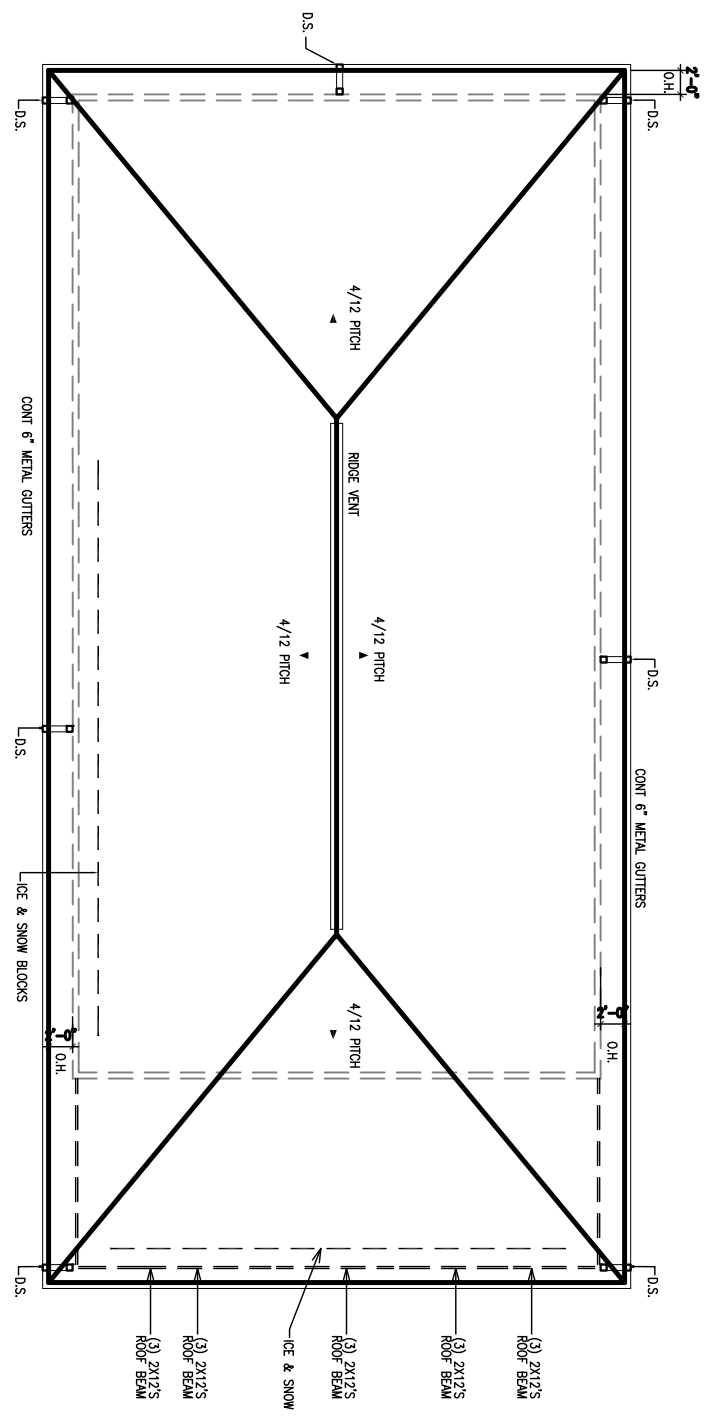
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DRAWN BY: JMS  
PROJ. NO.: 190018  
ISSUED REVIEW  
REVISION: 2/19/2020  
DATE: 2/19/2020

ALTON MOTORBOAT CLUB  
PROPOSED CLUBHOUSE  
11134 HARBOR DELL RD. GODFREY, IL

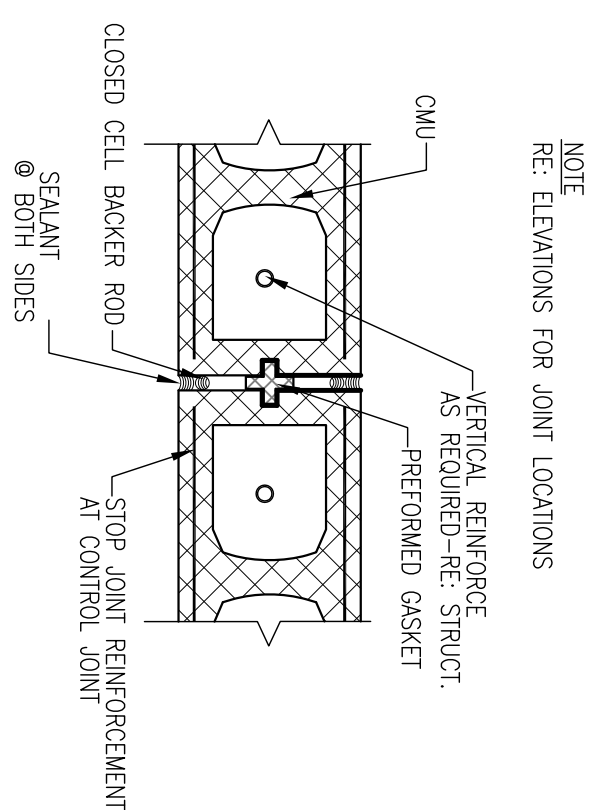


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GODFREY, ILLINOIS 62035  
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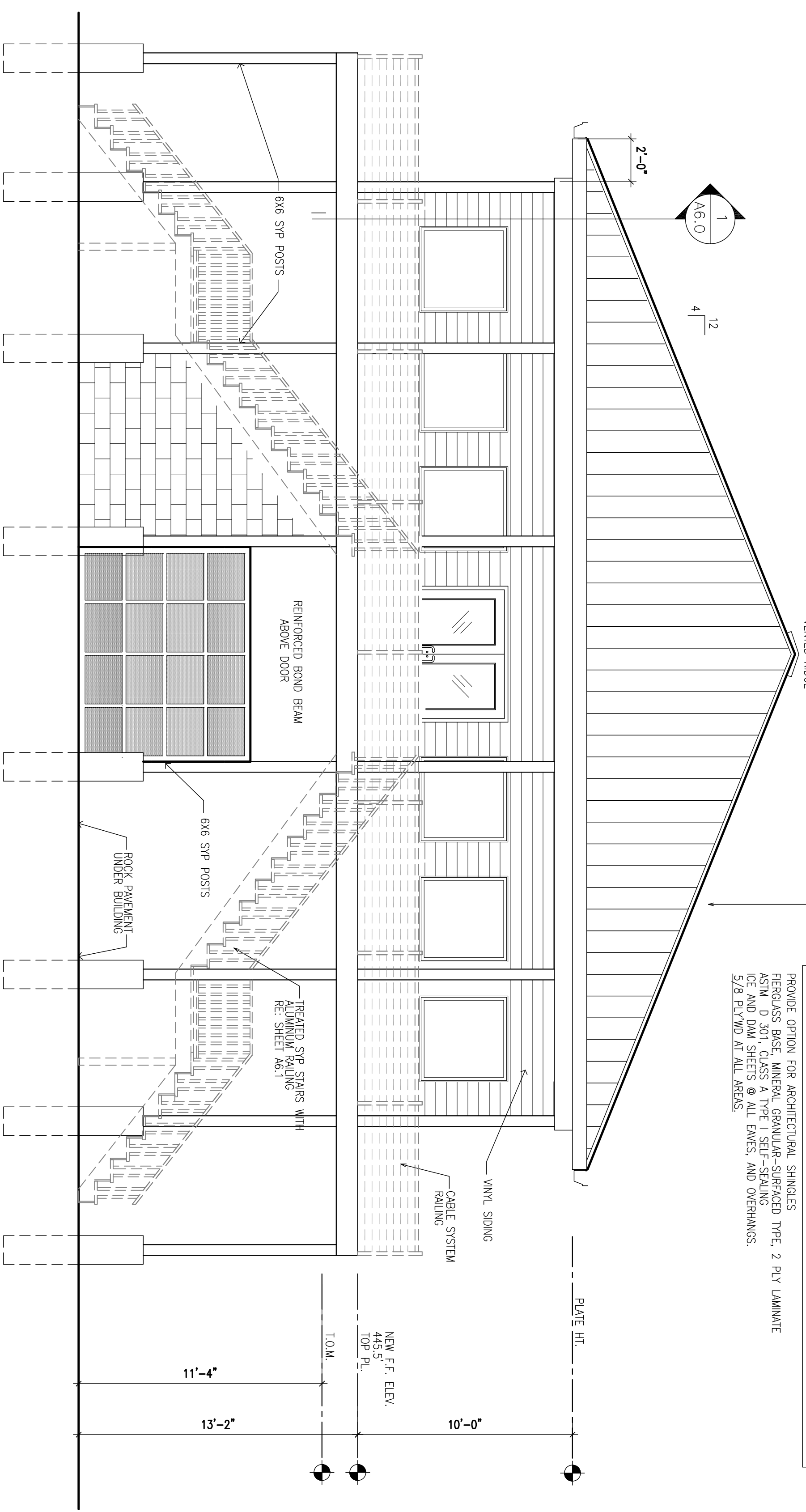




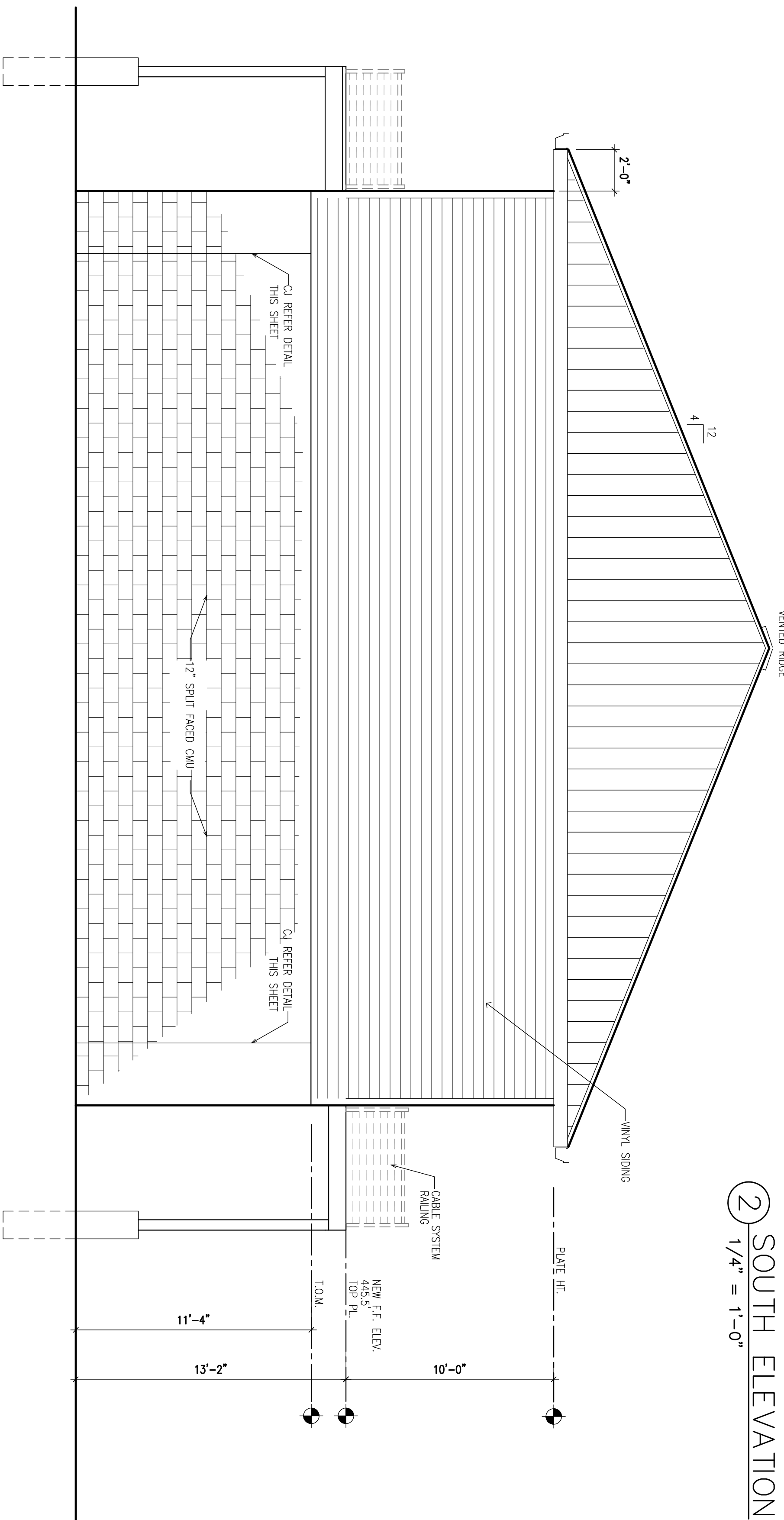
3 ROOF PLAN  
1/16" = 1'-0"



4 THRU WALL CJ DETAIL  
1 1/2" = 1'-0"



2 SOUTH ELEVATION  
1/4" = 1'-0"



1 NORTH ELEVATION  
1/4" = 1'-0"

FOR PERMIT 2.15.20

A4.1

EXTERIOR ELEVATIONS

SHEET TITLE

DRAWN BY: JMS

PROJ. NO.: 198018

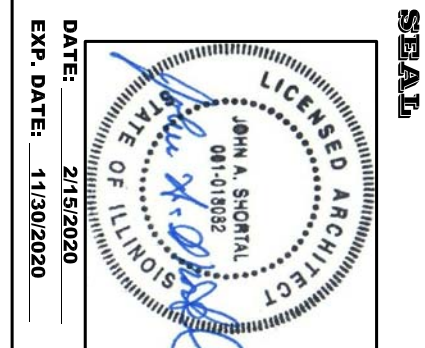
ISSUED REVIEW

REVISION: 2/19/2020

DATE: 2/19/2020

ALTON MOTORBOAT CLUB  
PROPOSED CLUBHOUSE

11134 HARBOR DELL RD. GODFREY, IL

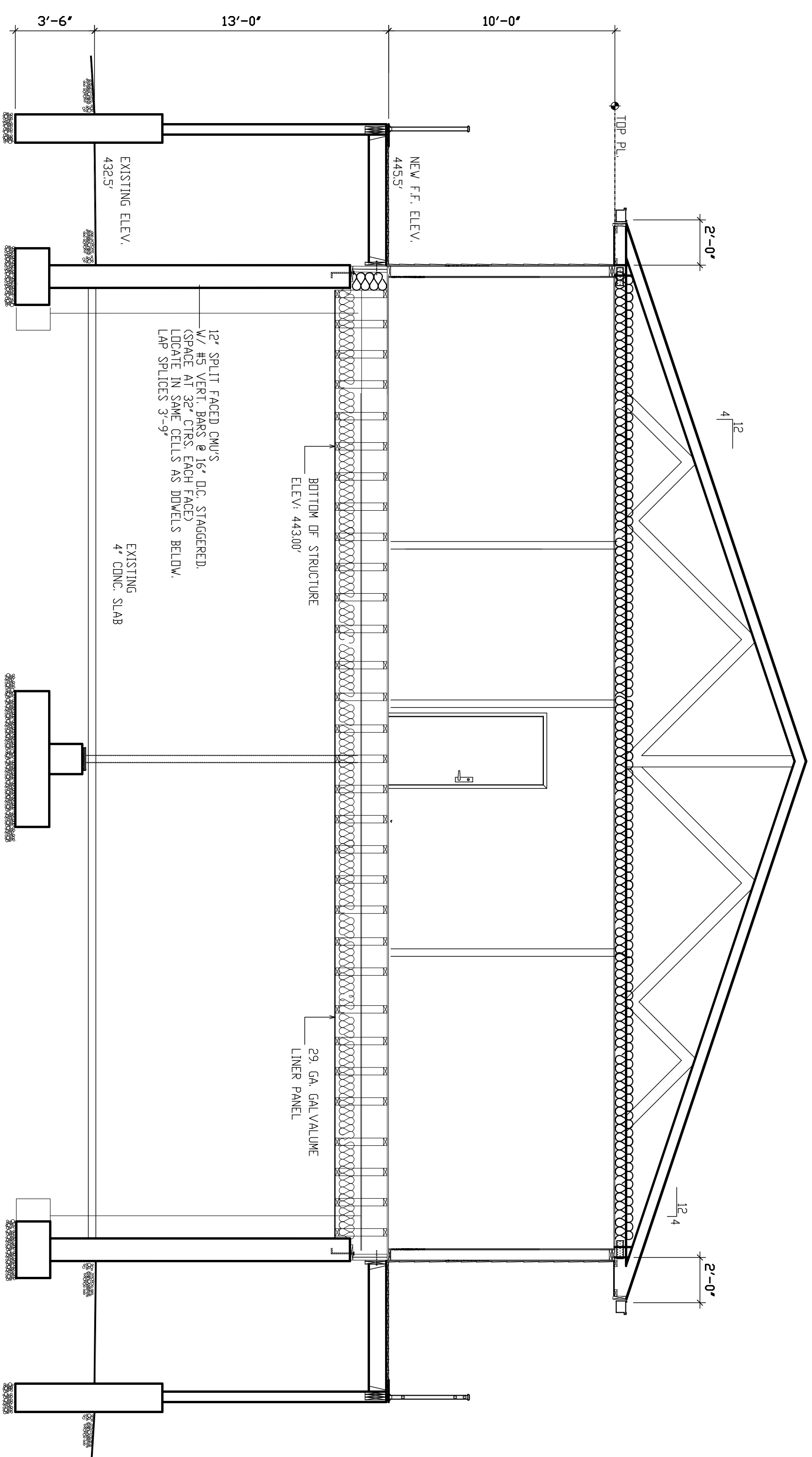


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ARCHITECT, LTD.

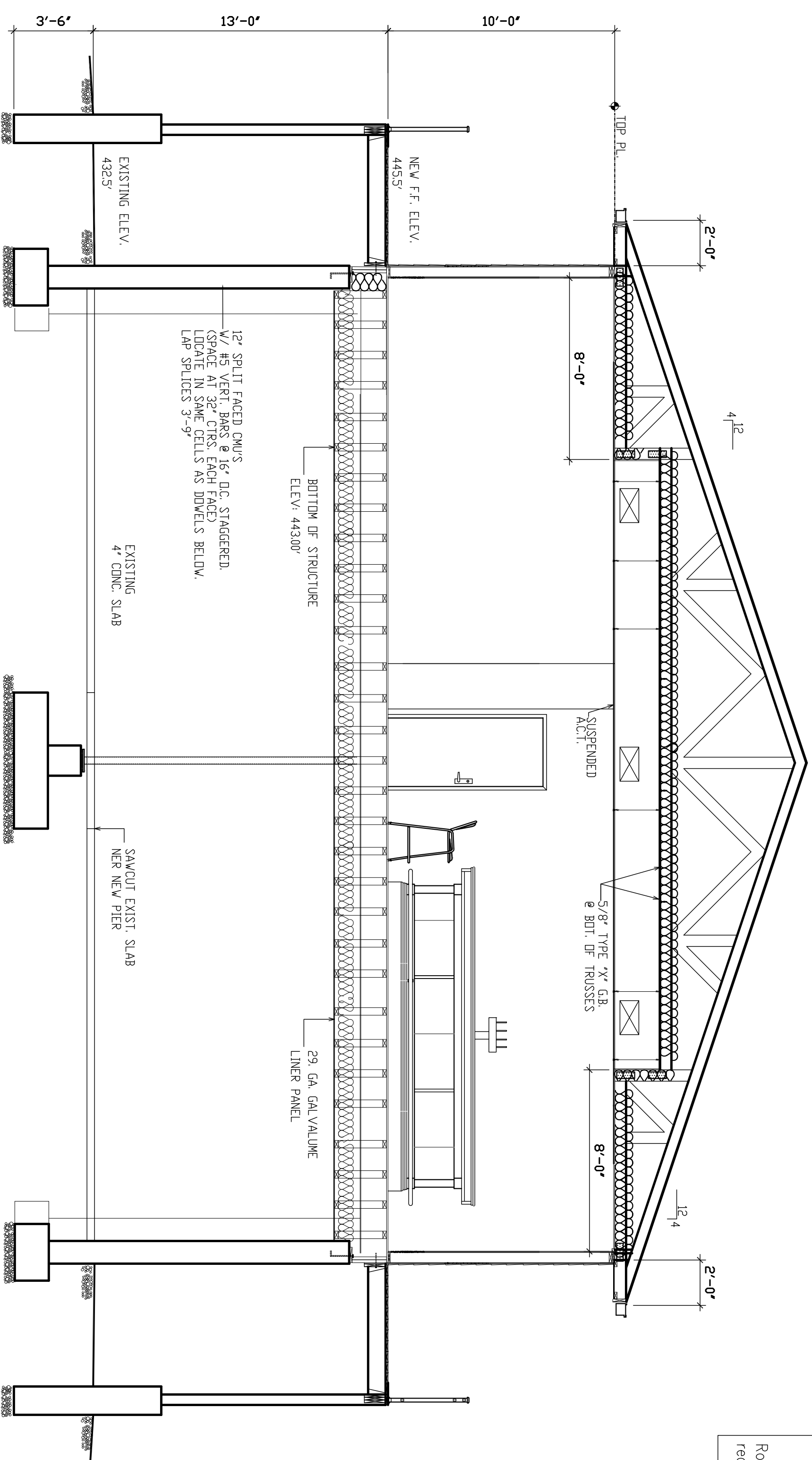
1342 D'ADRIAN PROFESSIONAL PARK  
GODFREY, ILLINOIS 62035

(618) 466-7500





2 BUILDING SECTION OFFICE/KITCHEN  
1/4" = 1'-0"



1 BUILDING SECTION THRU BAR  
1/4" = 1'-0"

All roofing shall comply with Appendix C of the IBC Code.  
Provide bridging of joists & trusses as required by the IBC Code.  
Minimum Header Schedule - Load Bearing Conditions:  
3'-0" to 4'-0" (2)2x8  
4'-0" to 6'-0" (2)2x10  
6'-0" to 10'-0" (2)2x12  
Roof trusses shall be 2015 IBC approved trusses, style as indicated & required - Design By Others.

FOR PERMIT 2.15.20

A5.0

BUILDING SECTIONS

SHEET TITLE

DATE: 2/15/2020

REVISION: 2/15/2020

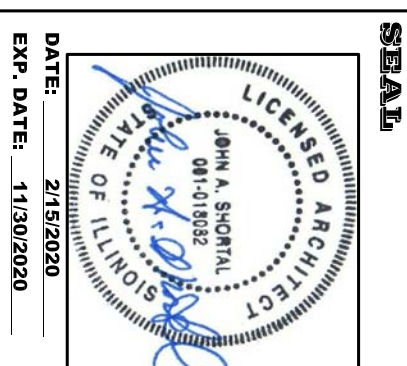
ISSUED: REVISION

PROJ. NO.: 190018

OWNER: JAS

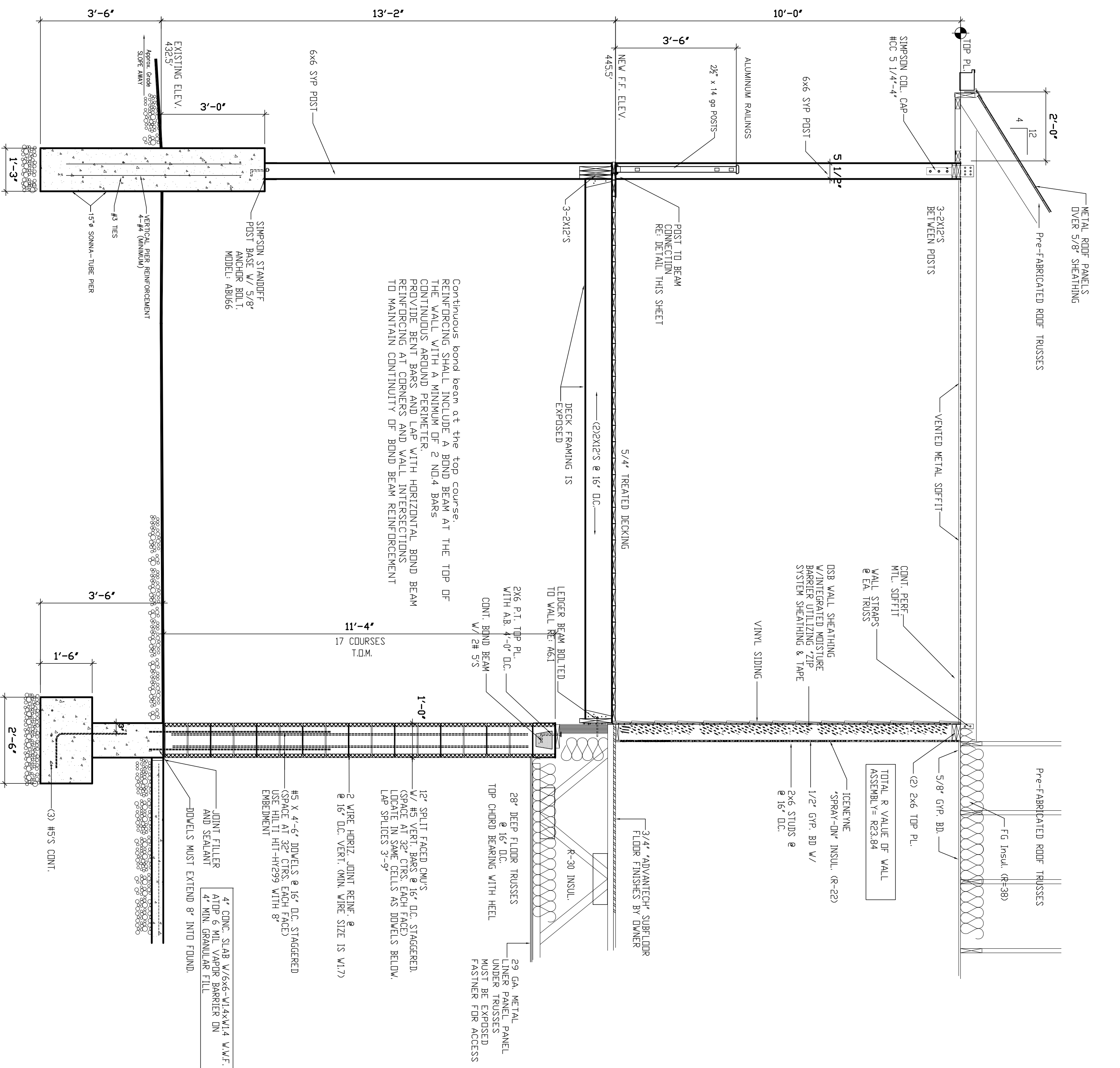
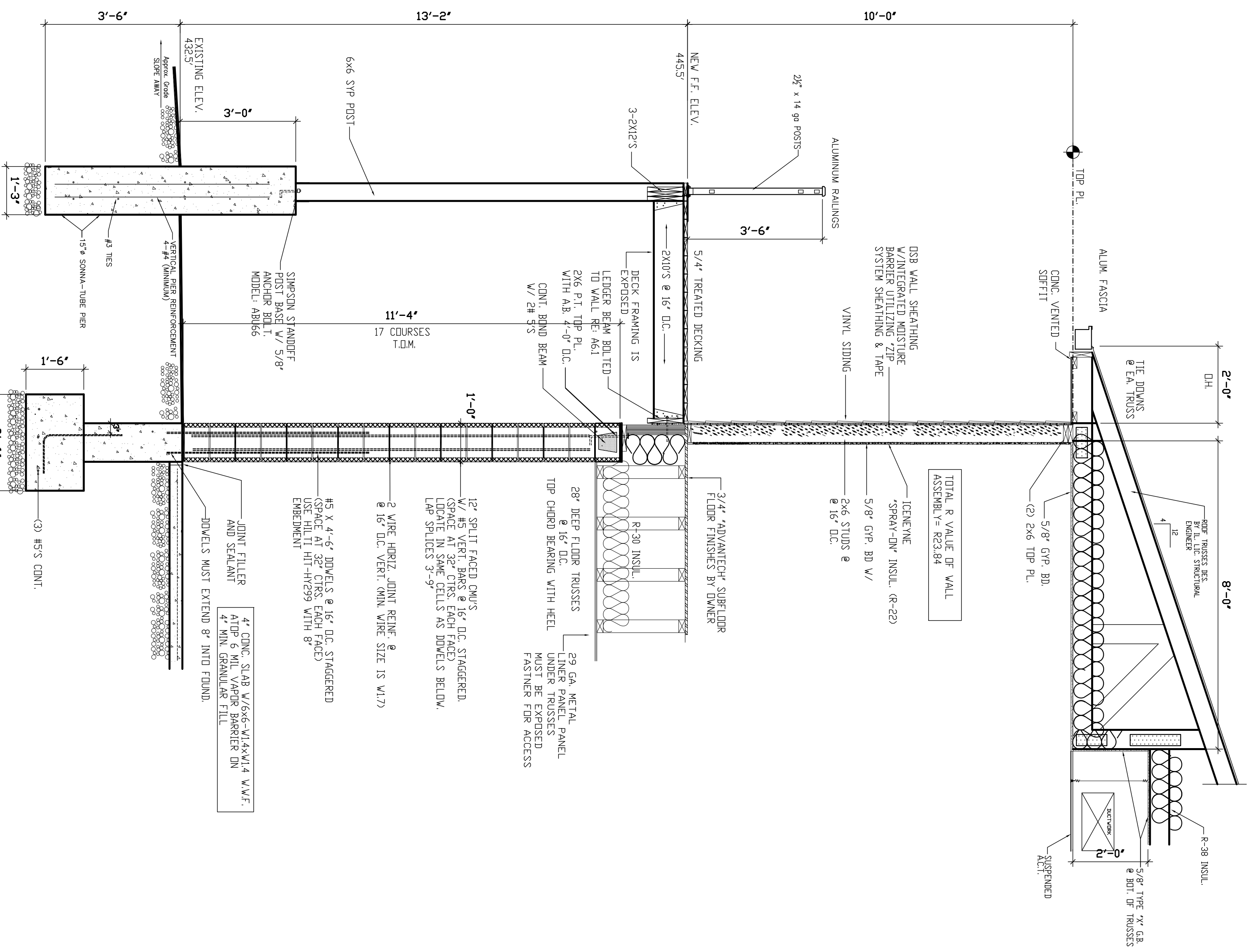
ALTON MOTORBOAT CLUB  
PROPOSED CLUBHOUSE

11134 HARBOR DELL RD. GODFREY, IL



JOHN A. SHORTAL,  
ARCHITECT, LTD.

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2 WALL SECTION @ EAST/WEST SIDES  
3/4" = 1'-0"

1 WALL SECTION @ SOUTH WALL  
3/4" = 1'-0"

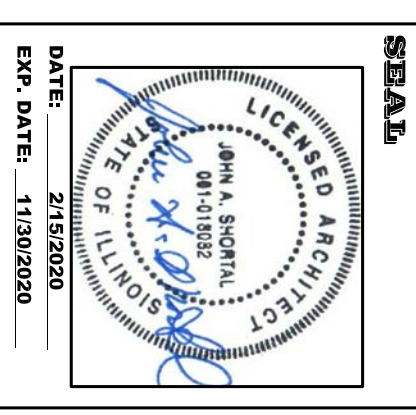
FOR PERMIT 2.15.20

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WALL SECTIONS

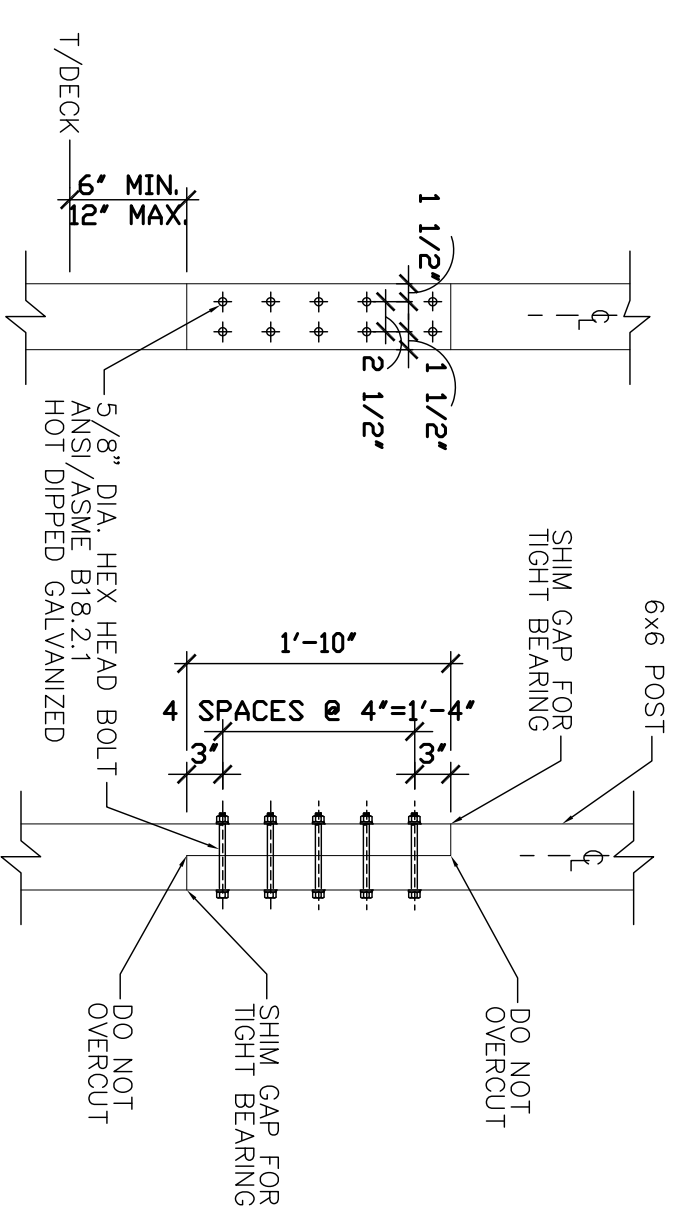
SHEET TITLE	WALL SECTIONS
DATE	2/19/2020
REVISION	2/19/2020
ISSUED	REVISION
NO. 1	NO. 1
NO. 2	NO. 2
NO. 3	NO. 3
NO. 4	NO. 4
NO. 5	NO. 5
NO. 6	NO. 6
NO. 7	NO. 7
NO. 8	NO. 8
NO. 9	NO. 9
NO. 10	NO. 10
NO. 11	NO. 11
NO. 12	NO. 12
NO. 13	NO. 13
NO. 14	NO. 14
NO. 15	NO. 15
NO. 16	NO. 16
NO. 17	NO. 17
NO. 18	NO. 18
NO. 19	NO. 19
NO. 20	NO. 20
NO. 21	NO. 21
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NO. 96	NO. 96
NO. 97	NO. 97
NO. 98	NO. 98
NO. 99	NO. 99
NO. 100	NO. 100

**ALTON MOTORBOAT CLUB  
PROPOSED CLUBHOUSE**  
11134 HARBOR DELL RD. GODFREY, IL



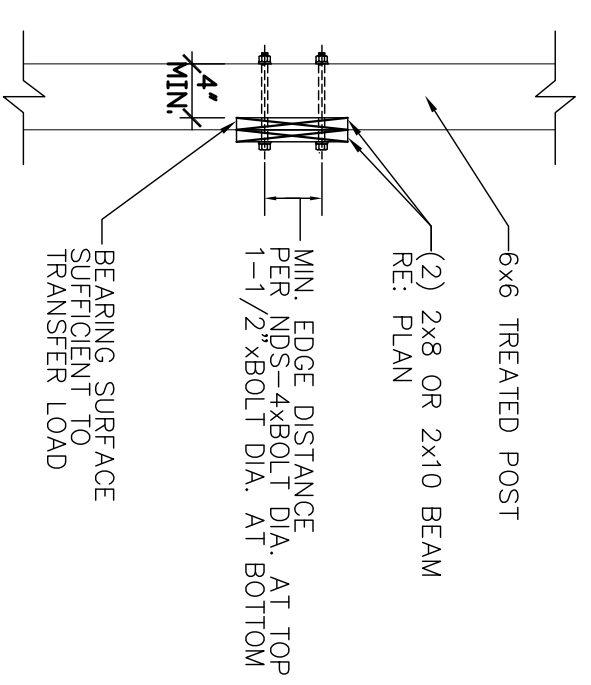
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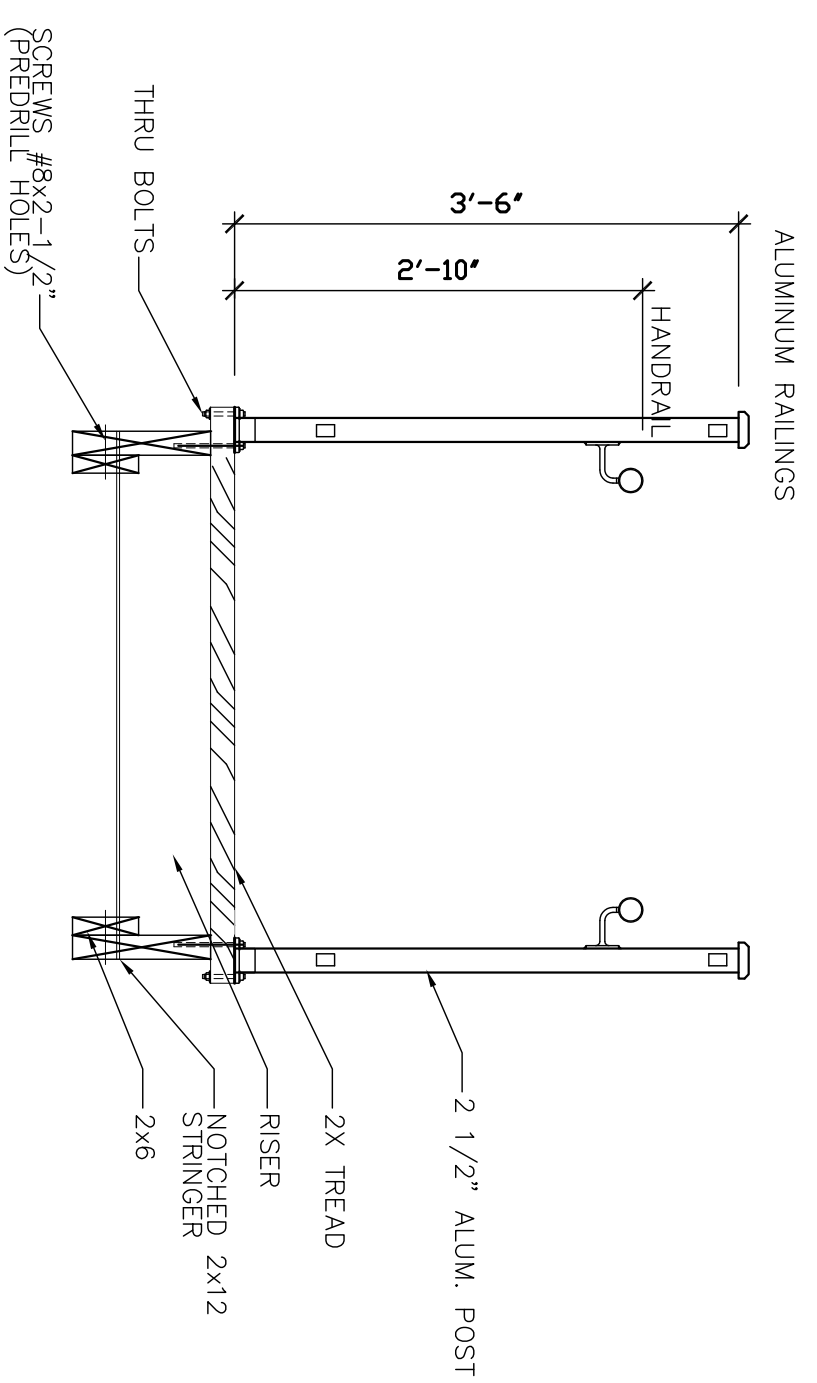


NOTE: DO NOT LOCATE SPLICE AT BEAM TO COLUMN CONNECTION

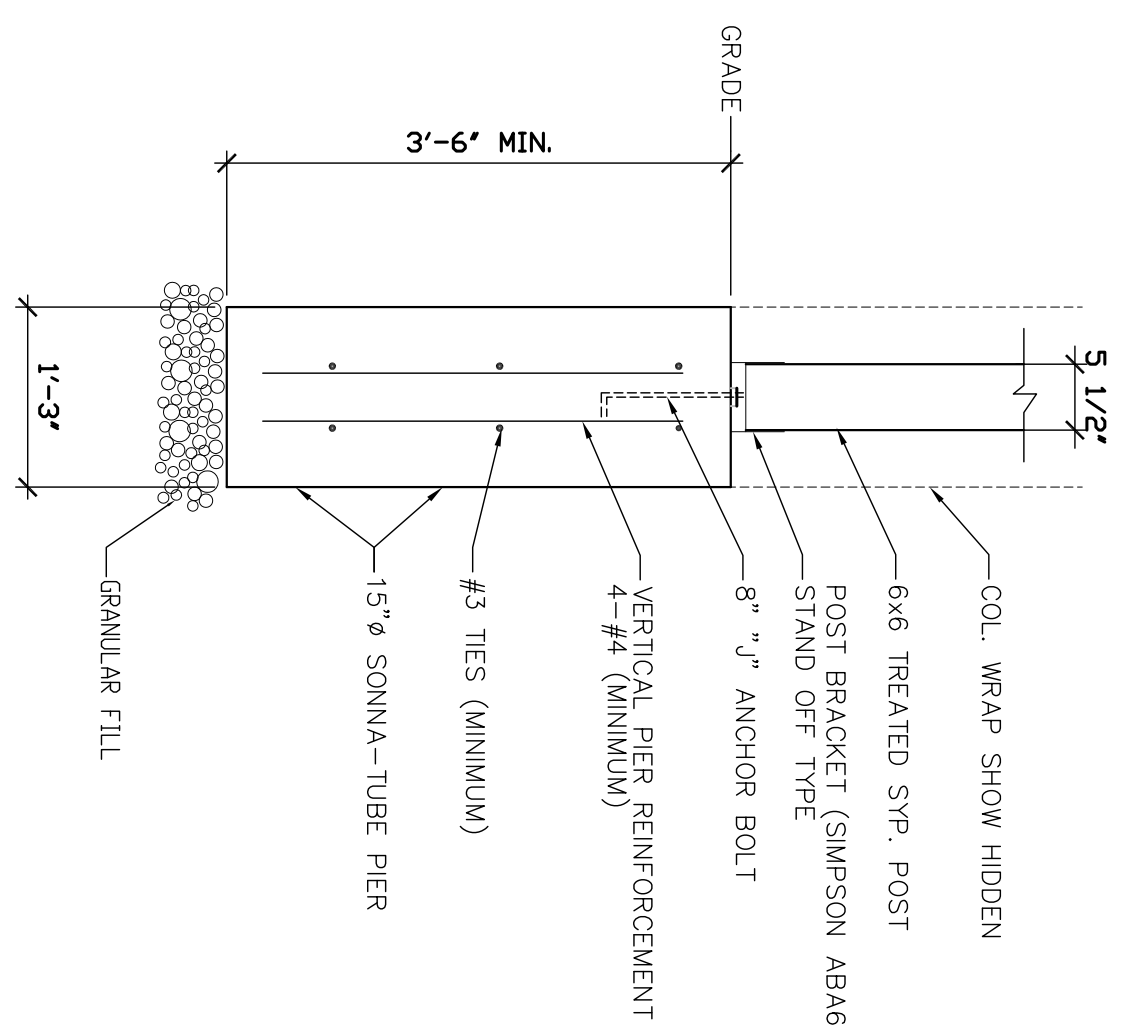
1 HALF LAP POST SPLICE  
3/4"=1'-0"



2 EDGE BEAM TO POST CONNECTION  
3/4"=1'-0"



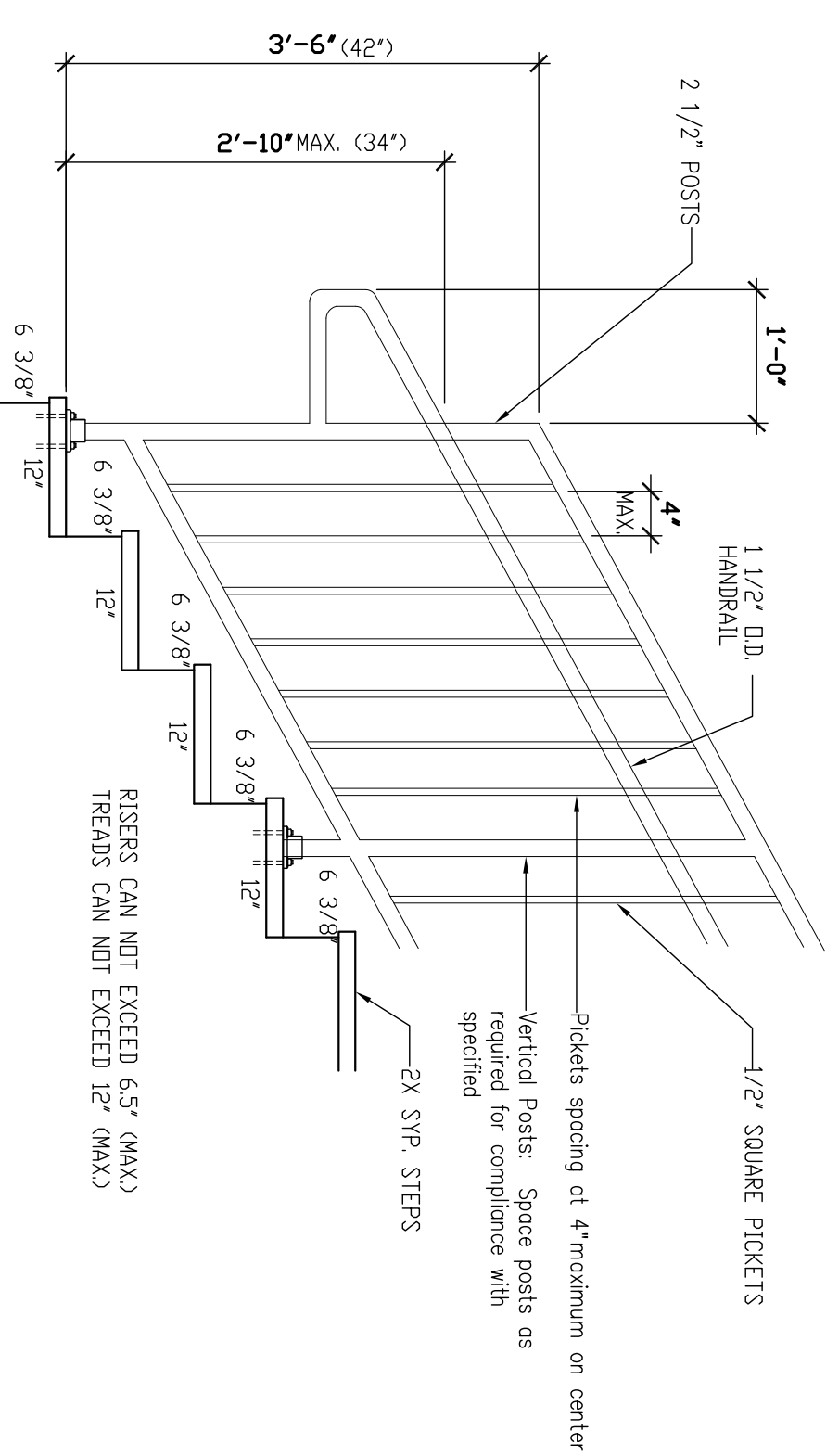
4 STAIR TRANSVERSE  
3/4"=1'-0"



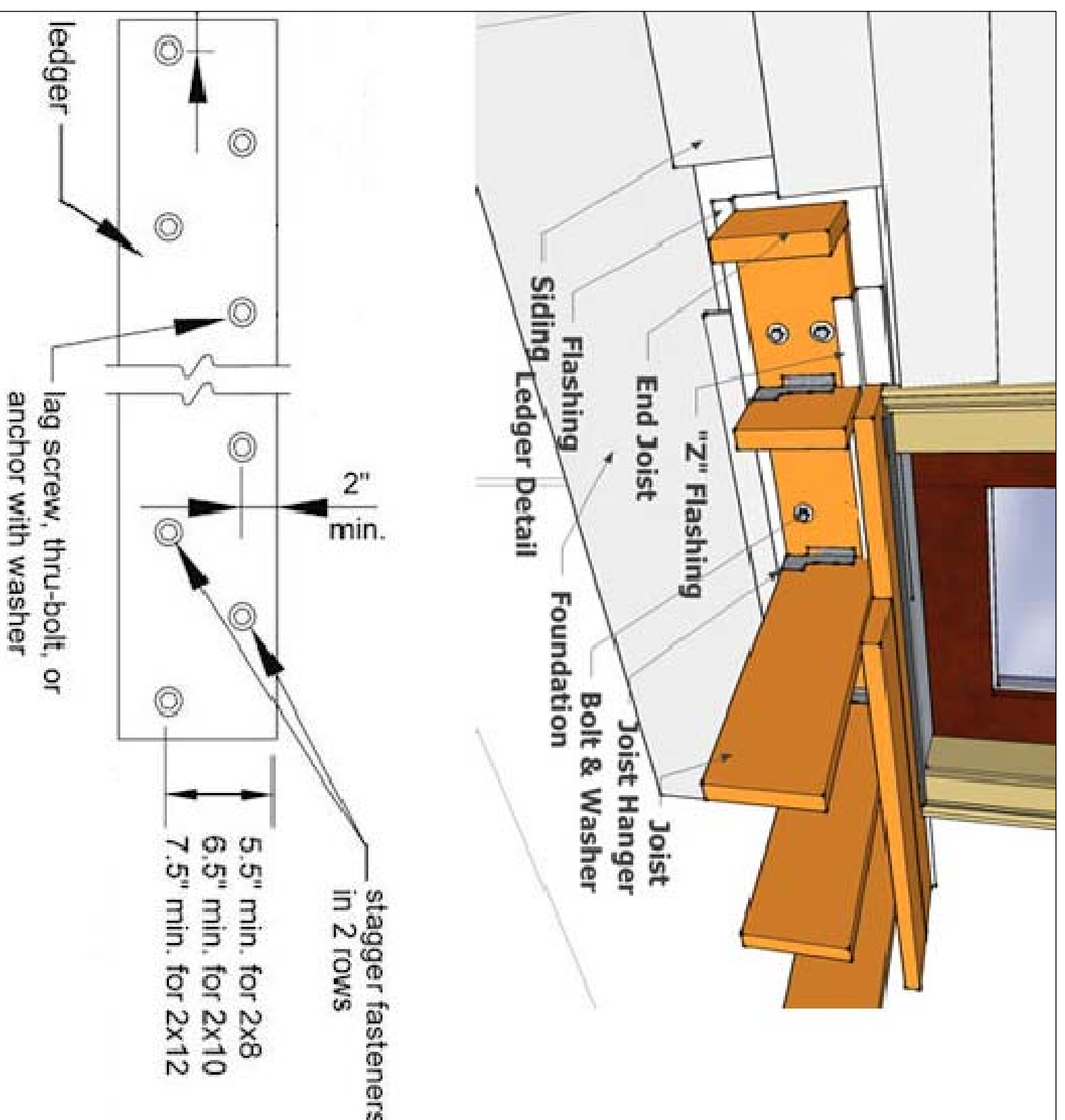
5 POST/FOUNDATION DETAIL @ RAMP  
3/4"=1'-0"

ALUMINUM RAILINGS: "WESTBURY" ALUMINUM RAILING.  
MODEL: C20 MONTEGO.  
HEIGHT: (42 INCHES)  
LENGTH: (3 FEET) (4 FEET) (5 FEET) (6 FEET) (7 FEET) (8 FEET).  
SPECIFY 2-1/2-INCH BY 2-1/2-INCH BY 0.125 "POWER POST"-POSTS FOR IBC COMPLIANCE.  
SPECIFY 2-1/2 INCH BY 2-1/2 INCHES: "POWER POST".  
MATERIAL: 6063-T6 ALUMINUM.  
SPECIFY RAILING POST AND STAIR POST HEIGHTS THROUGHOUT.  
THROUGHOUT RAILING POSTS: 2-1/2 INCHES BY 2-1/2 INCHES BY (47 INCHES).  
STAIR POSTS: 2-1/2 INCHES BY 2-1/2 INCHES WALL THICKNESS: 0.125 INCH.  
WELDED PLATE ADJUSTABLE LEVELING SYSTEM.  
FLAIR: 2-PIECE ZINC DIE-CAST ALLOY.  
THROUGH RAILING POSTS: 4 INCHES BY 4 INCHES BY (37 INCHES).  
SQUARE SPINDLES:  
TYPE: BELLY  
MATERIAL: 6063-T52 ALUMINUM.  
SIZE: SQUARE: 3/4 INCH BY 3/4 INCH.  
WALL THICKNESS: 0.053 INCH.  
SPACING: 3.875 INCHES.  
INSTALLS INTO TOP AND BOTTOM RAILS WITHOUT SCREWS.  
TOP RAILS:  
SPECIFY TYPE OF TOP RAILS. THE TOP AND BOTTOM RAILS MUST BE THE SAME TYPE.  
TYPE: (STRAIGHT)  
MATERIAL: 6005-T6 ALUMINUM.  
WIDTH: 1-3/4 INCHES, 0.090-INCH WALL THICKNESS.  
THICKNESS: 1-3/8 INCHES, 0.085-INCH WALL THICKNESS.

6 RAILING SPEC.  
3/4"=1'-0"



3 STAIR DETAIL  
3/4"=1'-0"



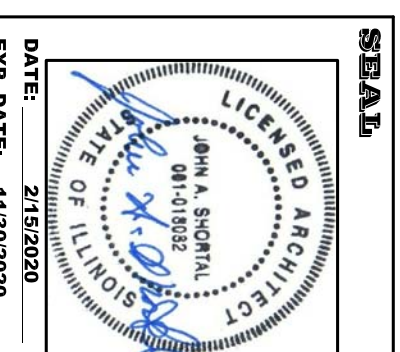
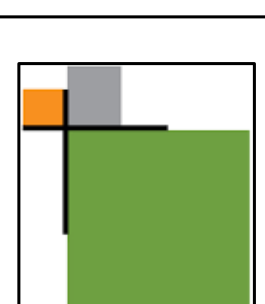
7 RAILING DETAIL  
3/4"=1'-0"

**MAXIMUM LEDGER BOARD FASTENER SPACING**

Joist Span	Fastener spacing, on center	
	Lag Screws	Thru-bolts, Expansion Anchors, Epoxy Anchors
0 - 6'-0"	30"	36"
6'-1" - 8'-0"	23"	36"
8'-1" - 10'-0"	18"	34"
10'-1" - 12'-0"	15"	29"
12'-1" - 14'-0"	13"	24"
14'-1" - 16'-0"	11"	21"
16'-1" - 18'-0"	10"	19"

3 LEDGER BEAM TO RIM JOIST  
3/4"=1'-0"

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PROPOSED CLUBHOUSE**  
11134 HARBOR DELL RD. GODFREY, IL

DATE: 2/15/2020  
REVISION: 2/15/2020  
SHEET REVIEW  
ROLL NO.: 190018  
DRAWN BY: JAS

SHEET TITLE  
RAMP &  
DECK  
DETAILS

FOR PERMIT 2.15.20

**A6.1**