

# REA PARK CLUBHOUSE RENOVATIONS

1115 E DAVIS DRIVE, TERRE HAUTE, IN 47802



CITY OF TERRE HAUTE  
MAYOR - DUKE BENNETT



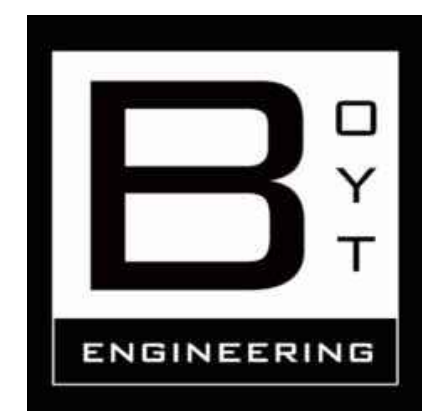
PARKS & RECREATION DEPARTMENT  
SUPERINTENDENT - EDDIE BIRD  
BOARD PRESIDENT - GORDON BRYAN



FRIENDS OF REA PARK  
PRESIDENT - DR. MIKE HARDING  
VICE PRESIDENT - EARL ELLIOTT



ARCHITECT:  
SANDERS & ASSOCIATES, INC.  
DANIEL SANDERS, AIA



M/E/P ENGINEER:  
BOYT ENGINEERING  
BENJAMIN BOYT, PE, MSME, MBA, CHC,  
LEED AP BD+C



STRUCTURAL ENGINEER:  
BRYANT ENGINEERING & CONSULTING, INC.  
GRANT BRYANT, PE, MCE

ARCHITECTURAL:		SYMBOLS		REVISIONS	
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E0.1	ELECTRICAL LEGEND	E5.1	ELECTRICAL PANEL SCHEDULES		
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P1.1	BASEMENT PLUMBING PLAN	P2.1	WATER ISOMETRIC		
P1.2	1ST FLOOR PLUMBING PLAN				

**ARCHITECTURAL NOTES:**

- ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS OF THE INDIANA STATE BUILDING COMMISSION AND ALL OTHER APPLICABLE STATE AND LOCAL RULES AND REGULATIONS. THE CONTRACTOR AND SUB CONTRACTORS SHALL PERFORM THEIR WORK IN SUCH A MANNER AS TO BE IN COMPLIANCE WITH ALL APPLICABLE RULES AND SHALL BRING ANY DISCREPANCIES OR CONFLICTS TO ANY RULES, PLANS, OR SPECIFICATIONS TO THE ATTENTION OF THE ARCHITECT.
- DIMENSIONS ARE FROM FACE OF MASONRY OR STUDS TO THE FACE OF MASONRY OR STUDS. USE THE STRUCTURAL DIMENSIONS WHERE POSSIBLE. DO NOT SCALE THE DRAWINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL STATE AND LOCAL CODES AND THE PROTECTION OF PUBLIC STRUCTURES AND RIGHT OF WAYS. THE CONTRACTOR SHALL ALSO OBTAIN ALL LOCAL CONSTRUCTION & CONNECTION PERMITS THAT MAY BE REQUIRED FOR THE WORK.
- THE CONTRACTOR IS TO VERIFY AND CHECK ALL DIMENSIONS, THE DRAWINGS AND SPECIFICATIONS BEFORE BEGINNING ANY WORK. ANY DISCREPANCIES OR ERRORS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- ALL DRAWINGS, SPECIFICATIONS AND INFORMATION PREPARED BY SANDERS & ASSOCIATES, INC. (S&A, INC.) FOR THIS PROJECT ARE INSTRUMENTS OF SERVICE TO BE USED ONLY ON THIS PROJECT UNLESS OTHERWISE AUTHORIZED BY S&A, INC. ALL COMMON LAW, STATUTORY, COPYRIGHTS, AND OTHER RESERVED RIGHTS ARE TO BE RETAINED BY S&A, INC. FOR PROJECT DESIGN AND AS AUTHOR OF THESE DOCUMENTS. THE PROJECT OWNER MAY RETAIN COPIES OF S&A, INC. DRAWINGS FOR INFORMATION AND REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT.
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BUILDING CODE SUMMARY	
2012 INTERNATIONAL BUILDING CODE, AS AMENDED BY THE STATE OF INDIANA (APPLICABLE RULES ONLY)	FIRE & SMOKE ALARM SYSTEM TO MEET CURRENT STANDARDS PER NFPA
BUILDING TYPE: V-A (COMBUSTIBLE, PROTECTED)	BUILDING WILL BE FULLY SPRINKLERED PER SECTION 903.2.1.2 GROUP A-2: AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED FOR GROUP A-2 OCCUPANCIES WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS:
OCCUPANCY TYPE: A-2 (ASSEMBLY, BAR/RESTAURANT)	1. THE FIRE AREA EXCEEDS 5,000 SQFT
SIZE: 5,350 SQFT EXISTING - RENOVATED	2. THE FIRE AREA HAS AN OCCUPANT LOAD OF 100 OR MORE.
3,928 SQFT NEW - ADDITIONS	3. THE FIRE AREA IS LOCATED ON A FLOOR OTHER THAN THE LEVEL OF EXIT DISCHARGE SERVING SUCH OCCUPANCIES.
9,278 SQFT TOTAL	
TABLE 503 ALLOWABLE AREA: 11,500 SQFT + AREA MODIFICATIONS	

REVISIONS

NO.	DATE

DANIEL E. SANDERS  
REGISTERED PROFESSIONAL ARCHITECT  
STATE OF INDIANA  
No. 10398

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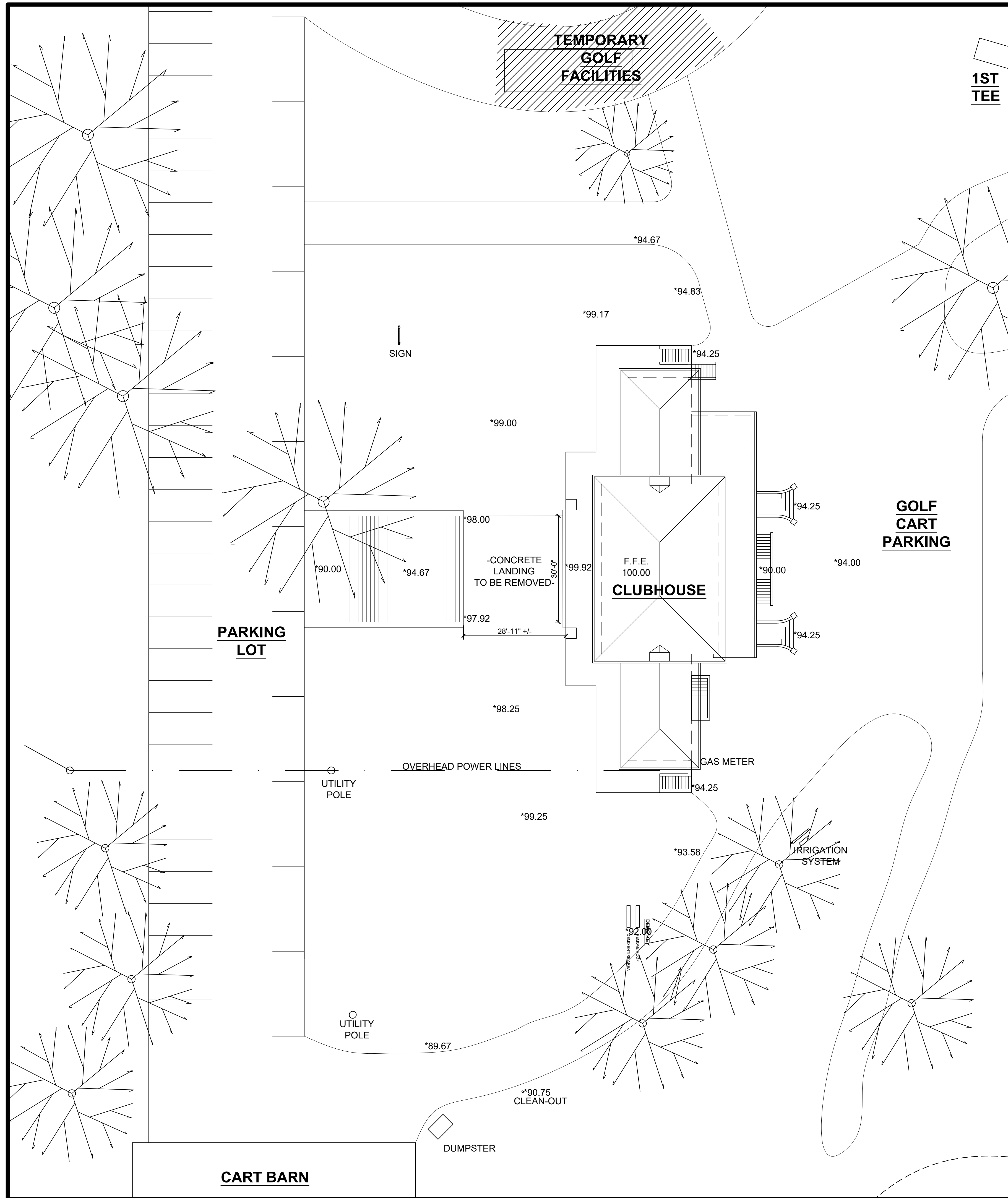
PROJECT  
**REA PARK CLUBHOUSE  
RENOVATIONS**

JOB NUMBER  
**2214**

DATE  
**09/22/23**

SHEET TITLE  
**TITLE SHEET & INDEX**

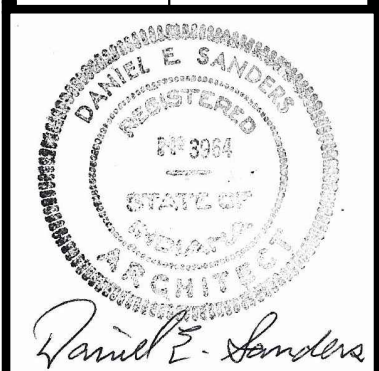
SHEET  
**T-1**



**CONSTRUCTION NOTES:**

1. GOLF OPERATIONS TO BE LOCATED IN TEMPORARY FACILITIES ON NORTH CIRCLE DRIVE. GOLF COURSE TO REMAIN OPERATIONAL DURING CONSTRUCTION. TEMPORARY FACILITIES TO BE PROVIDED BY OWNER.
2. CONTRACTOR TO PROVIDE TEMPORARY BARRICADES/FENCING AROUND ENTIRE BUILDING DURING CONSTRUCTION.
3. ACCESS AROUND BUILDING TO BE COORDINATED WITH REA PARK GOLF PRO.
4. CONTRACTOR TO PROTECT EXISTING PAVEMENT FROM EXCESSIVE DAMAGE FROM CONSTRUCTION-RELATED ACTIVITIES.
5. CONTRACTOR TO REMOVE STUMPS/ROOT BALL OF PREVIOUSLY REMOVED TREES IN EXCAVATION AREA.
6. RELOCATION OF OVERHEAD ELECTRICAL SERVICE TO UNDERGROUND SERVICE BE COORDINATED WITH DUKE ENERGY (BUILDING AND IRRIGATION SYSTEM).
7. RELOCATION OF GAS SERVICE TO BE COORDINATED WITH CENTERPOINT ENERGY.
8. NEW SANITARY LINE FROM BUILDING TO CONNECT TO EXISTING CLEAN OUT ON SOUTH SIDE OF BUILDING/DRIVE.
9. EXTERIOR DOWNSPOUTS/SITE DRAINAGE TO BE PIPED UNDERGROUND AND CONNECTED TO FRENCH DRAINS/DRYWELLS AS INDICATED.
10. EXISTING EXTERIOR STEPS FROM PARKING TO BUILDING TO REMAIN. UPPER LANDING TO BE REMOVED AND REPLACED.
11. GOLF COURSE IRRIGATION SYSTEM TO HAVE NEW UNDERGROUND ELECTRIC SERVICE - NO FURTHER WORK INCLUDED IN THE PROJECT SCOPE.
12. CART BARN TO BE MODIFIED INTO OPEN-SIDED PAVILION - BY TERRE HAUTE PARKS & RECREATION DEPARTMENT.

REVISIONS	
NO.	DATE



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PROJECT

# REA PARK CLUBHOUSE RENOVATIONS

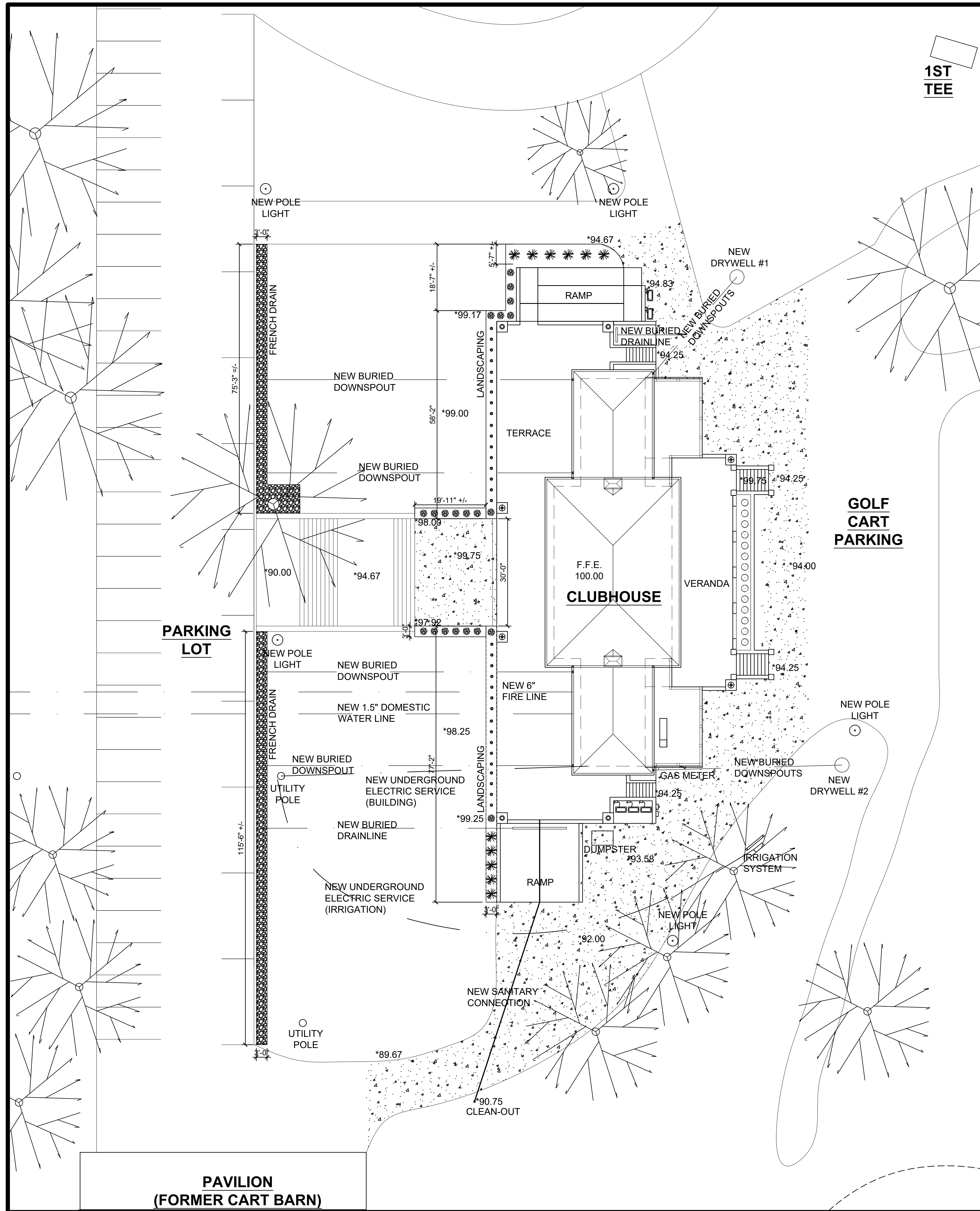
JOB NUMBER  
**2214**  
 DATE  
**09/22/23**  
 SHEET TITLE  
**EXISTING SITE PLAN**  
 SHEET

**SP-1**

**EXISTING SITE PLAN**  
 SCALE: 1" = 15'-0"  
 \*NOTE: THIS DRAWING IS NOT INTENDED AS A LEGAL SURVEY

**NOTE:**  
 THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES NEED TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.  
 CALL 2 WORKING DAYS BEFORE YOU DIG: 1-800-382-5544 (TOLL FREE) PER INDIANA STATE LAW IC8-1-26, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.





1ST  
TEE

GOLF  
CART  
PARKING

PARKING  
LOT

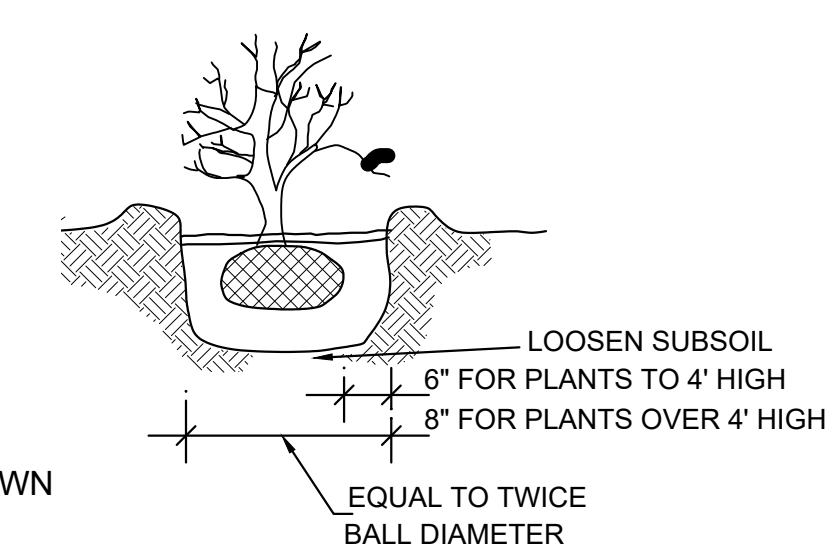
PAVILION  
(FORMER CART BARN)

LANDSCAPE PLANT SCHEDULE

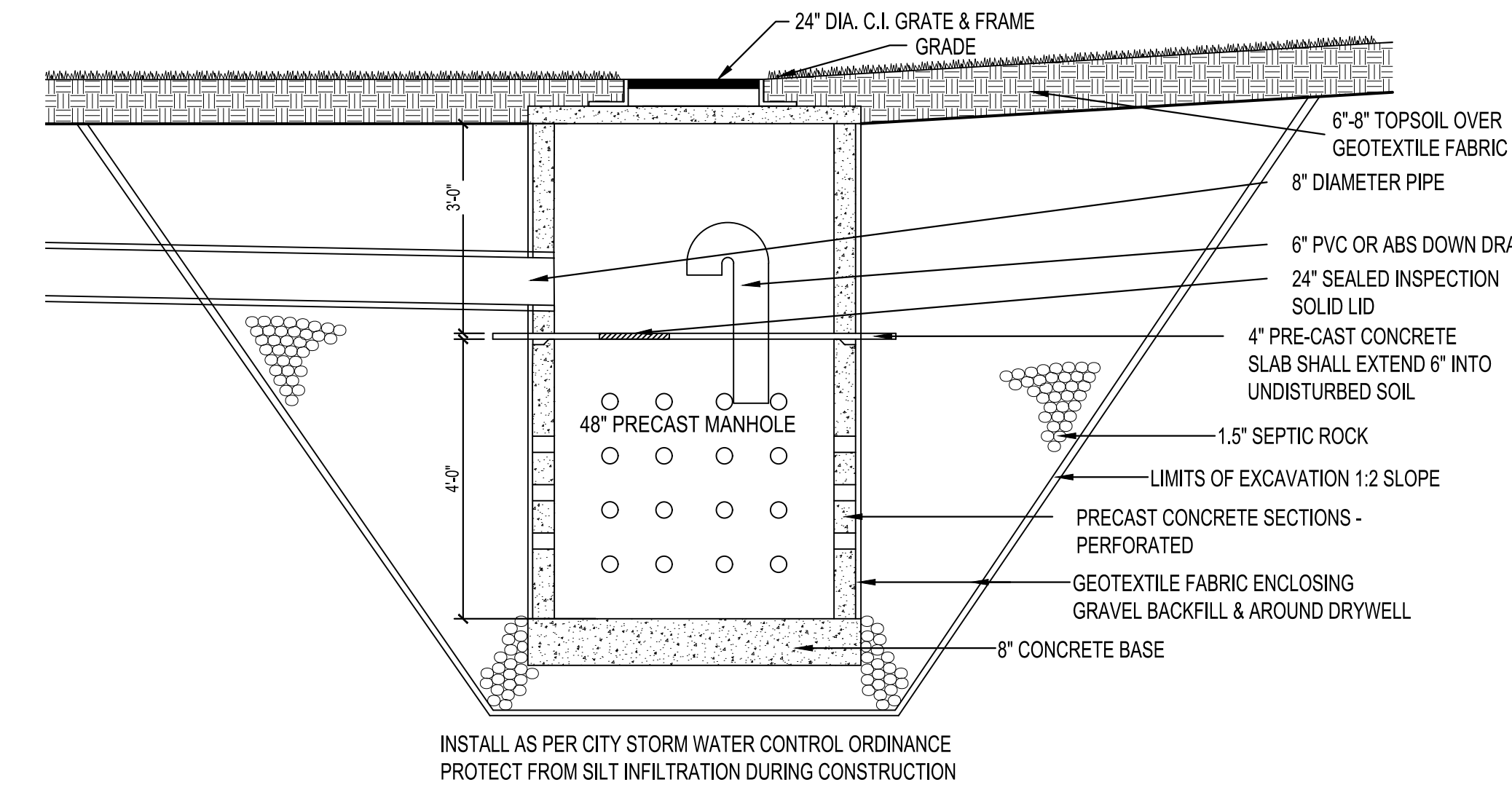
MARK	DESCRIPTION	SIZE (MINIMUM)	NUMBER REQ'D	NOTES
(A)	DWARF ENGLISH BOXWOOD ( <i>buxus sempervirens</i> )	18" HT, #3 CONTAINER	15	EAST TERRACE PLANTER
(B)	ENGLISH LAVENDER ( <i>lavandula angustifolia</i> )	6" HT, #1 CONTAINER	33	WEST TERRACE
(C)	SMOOTH HYDRANGA ( <i>hydrangea arborescens</i> )	24" HT, #3 CONTAINER	21	WEST TERRACE
(D)	KNOCKOUT ROSE ( <i>rosa radrazzi</i> )	24" HT, #3 CONTAINER	11	NORTH & SOUTH RAMPS

SITE PLAN NOTES:

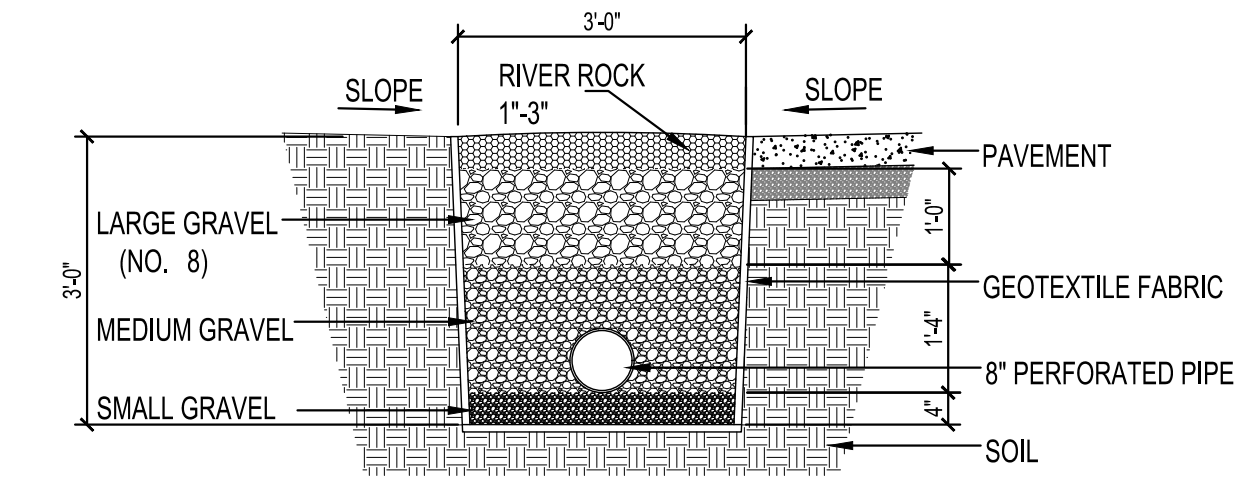
- ROCK: ROCK MULCH SHALL BE 2" TO 3" WASHED RIVER ROCK, UNIFORM IN SIZE. ALL FINES SHALL BE SCREENED FROM THE AGGREGATE WITHIN 1/4" TOLERANCE. ROCK MULCH SHALL BE COMPOSED OF ROUND ROCKS THAT MAY BE VARIED IN COLOR. THE MATERIAL SHALL BE FREE OF ORGANIC AND INORGANIC DEBRIS AND TRASH. ROCK MULCH SHALL BE SPREAD 2" TO 3" THICK OVER A 28 MIL GEOTEXTILE/LANDSCAPE FABRIC, WITH BLACK HDEP PLASTIC ROLL EDGING 5" TALL, STAKED IN THE GROUND AS REQUIRED.
- GRASS: REMOVE ALL STONES AND OTHER DEBRIS PRIOR TO LAWN SEEDING. SOW A MIXTURE OF KENTUCKY BLUEGRASS AND FESCUE AT A RATE OF 6LBS PER 1000 SQFT OR AS RECOMMENDED BY SUPPLIER. SEED WITH MECHANICAL DEVICE, STRAW ENTIRE YARD. HYDROSEEDING IS AN ACCEPTABLE ALTERNATE.
- PLANTERS: (4) TERRACAST CABANA PEDESTAL BOWL GV-19 OR EQUAL. COMMERCIAL CONCRETE FINISH, 18.5" DIA, 17" TALL.



2  
SP-2  
PLANTING DETAIL  
SCALE: NO SCALE



3  
SP-2  
DRYWELL DETAIL  
SCALE: NO SCALE



4  
SP-2  
FRENCH DRAIN DETAIL  
SCALE: NO SCALE

1  
SP-2  
NEW SITE PLAN  
SCALE: 1" = 15'-0"

\*NOTE: THIS DRAWING IS NOT INTENDED AS A LEGAL SURVEY

REVISIONS

NO.	DATE

DANIEL E. SANDERS  
REGISTERED  
LANDSCAPE ARCHITECT  
STATE OF INDIANA  
No. 10000

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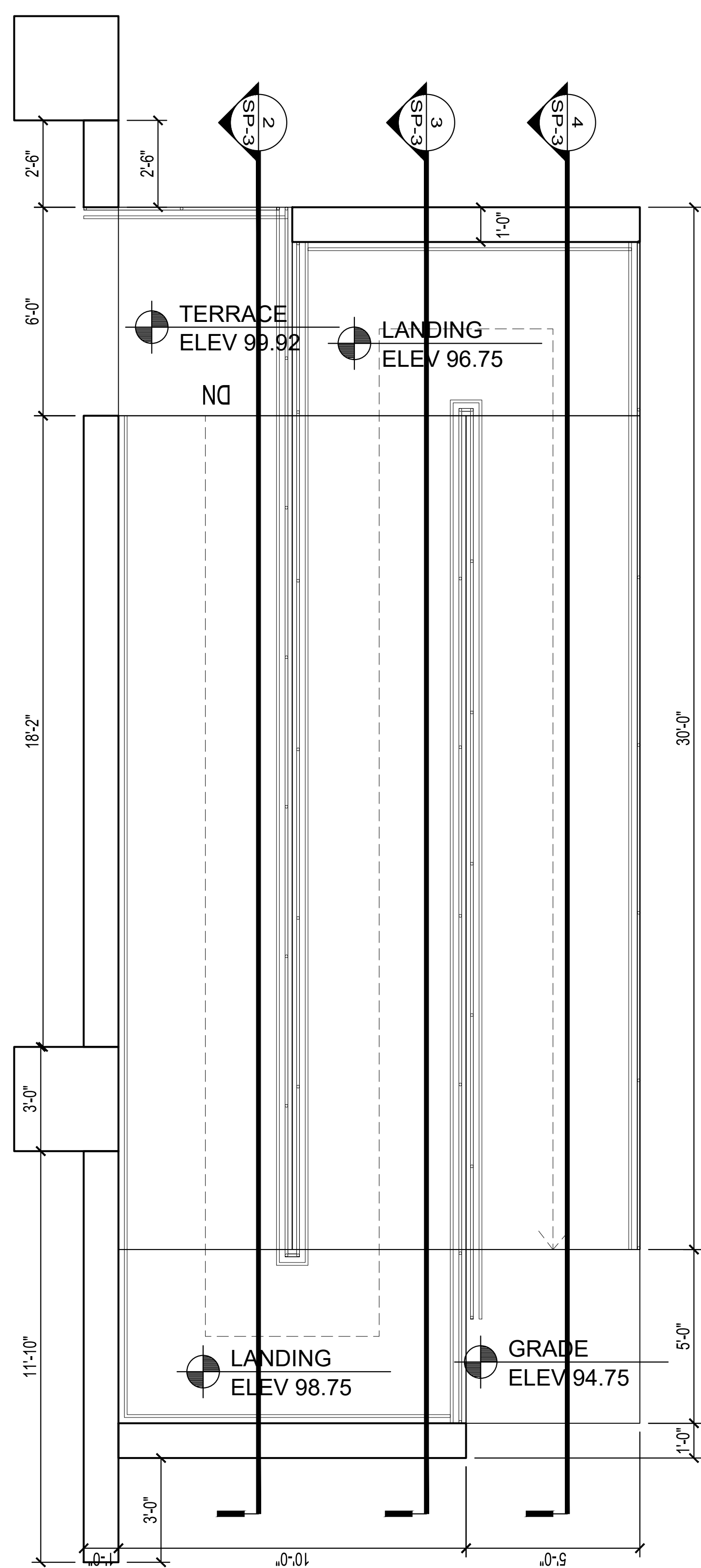
PROJECT  
**REA PARK CLUBHOUSE RENOVATIONS**

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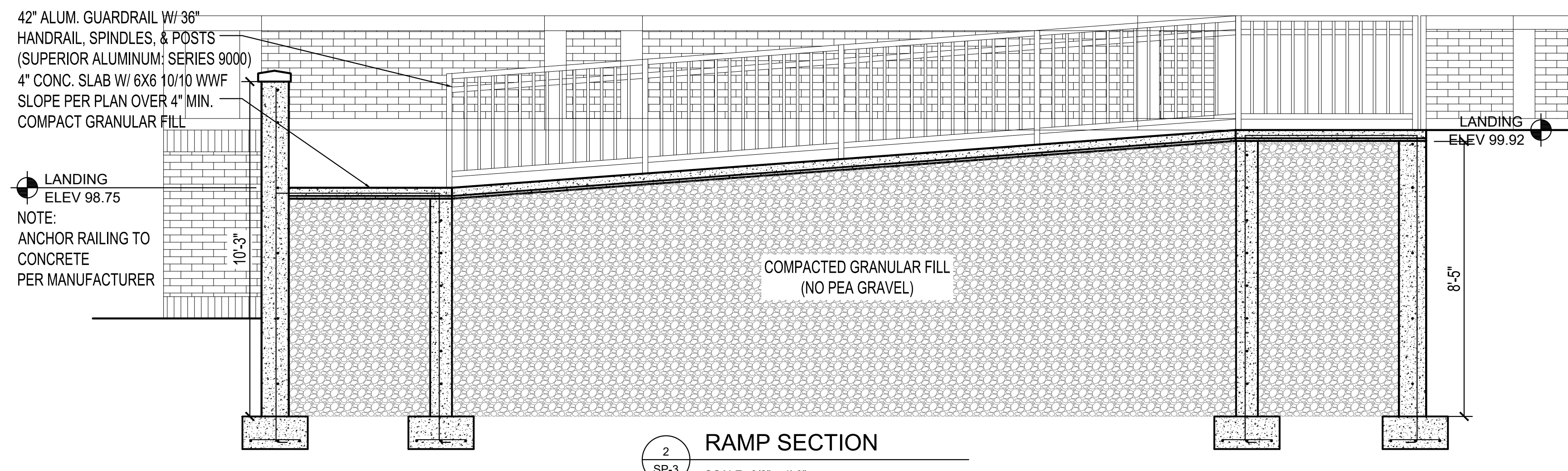
DATE  
**09/22/23**

SHEET TITLE  
**NEW SITE PLAN**

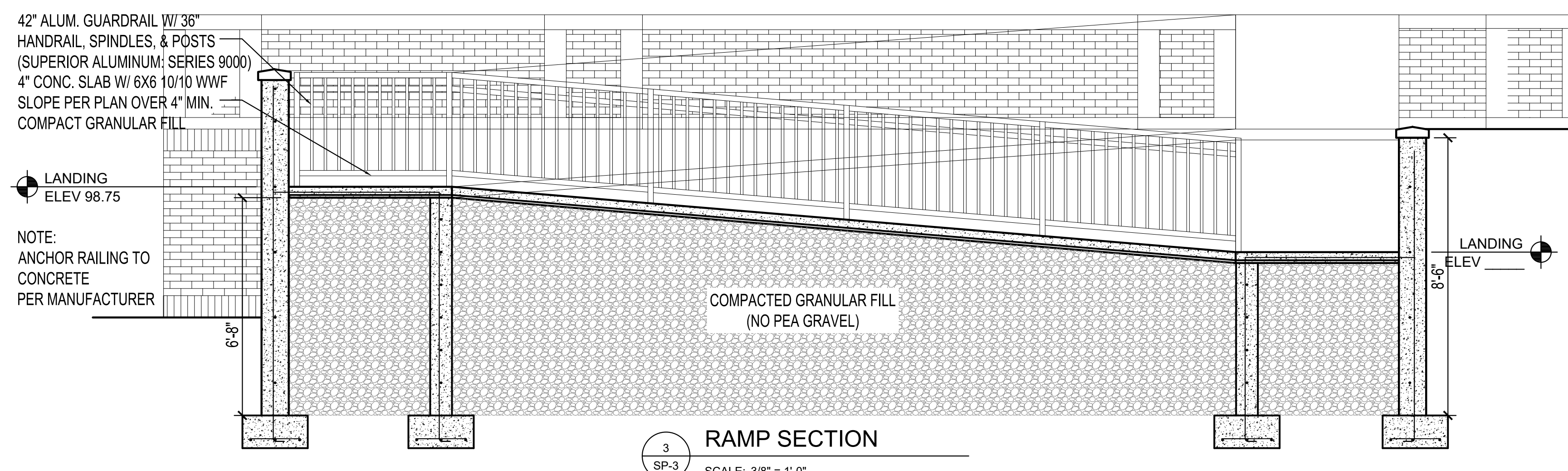
SHEET  
**SP-2**



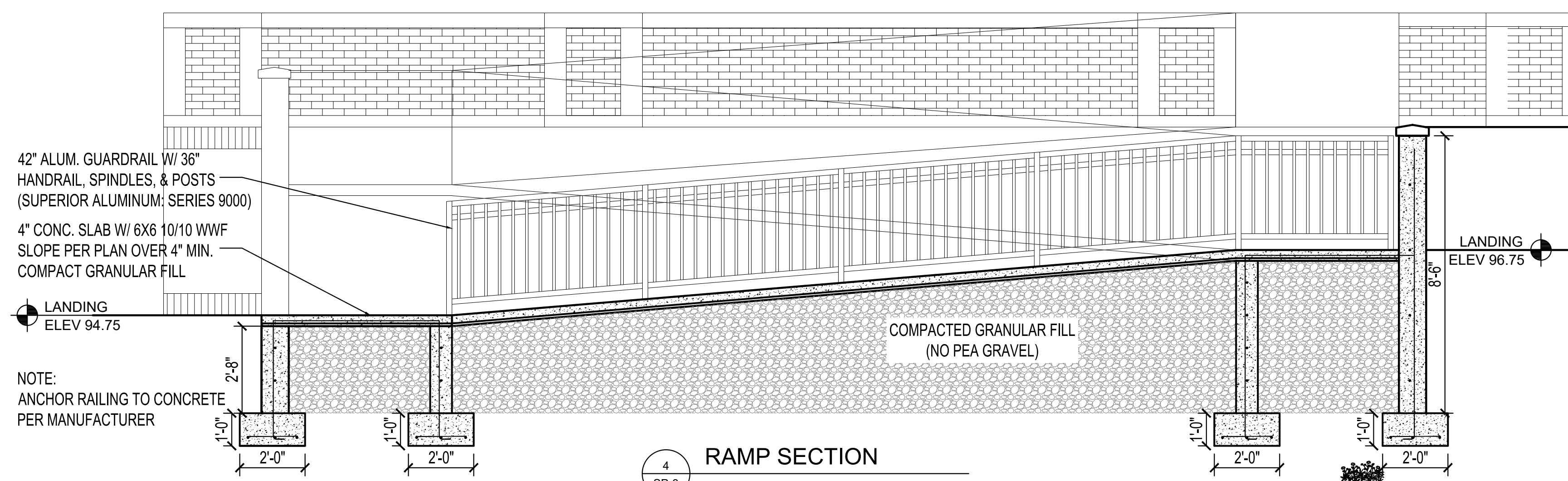
1 ENLARGED RAMP PLAN  
SCALE: 3/8" = 1'-0"



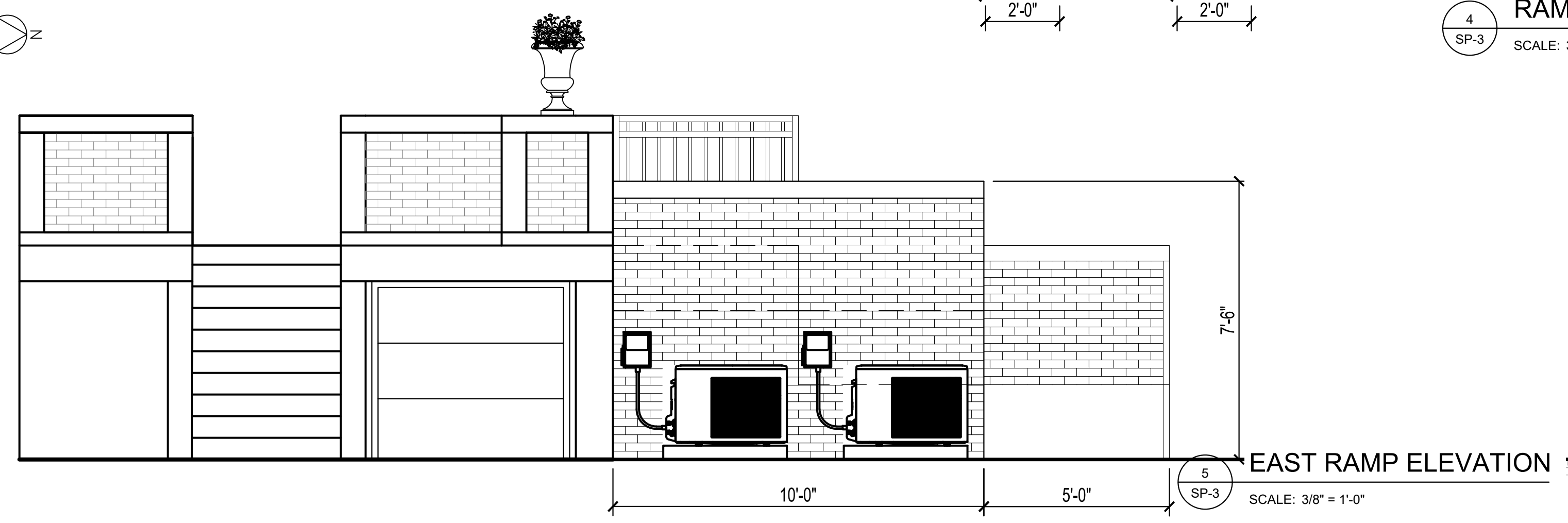
2 RAMP SECTION  
SCALE: 3/8" = 1'-0"



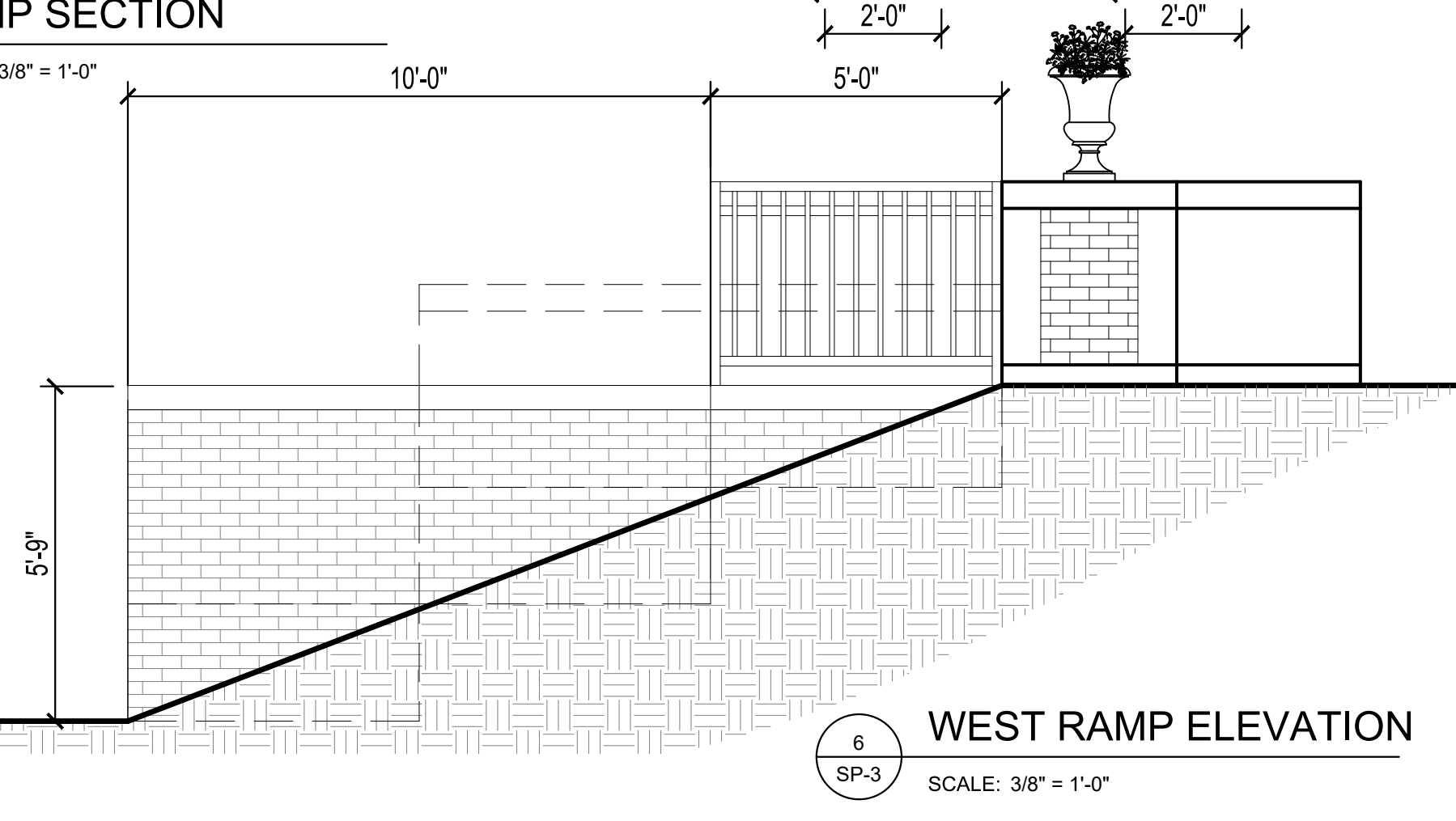
3 RAMP SECTION  
SCALE: 3/8" = 1'-0"



4 RAMP SECTION  
SCALE: 3/8" = 1'-0"



5 EAST RAMP ELEVATION  
SCALE: 3/8" = 1'-0"



6 WEST RAMP ELEVATION  
SCALE: 3/8" = 1'-0"

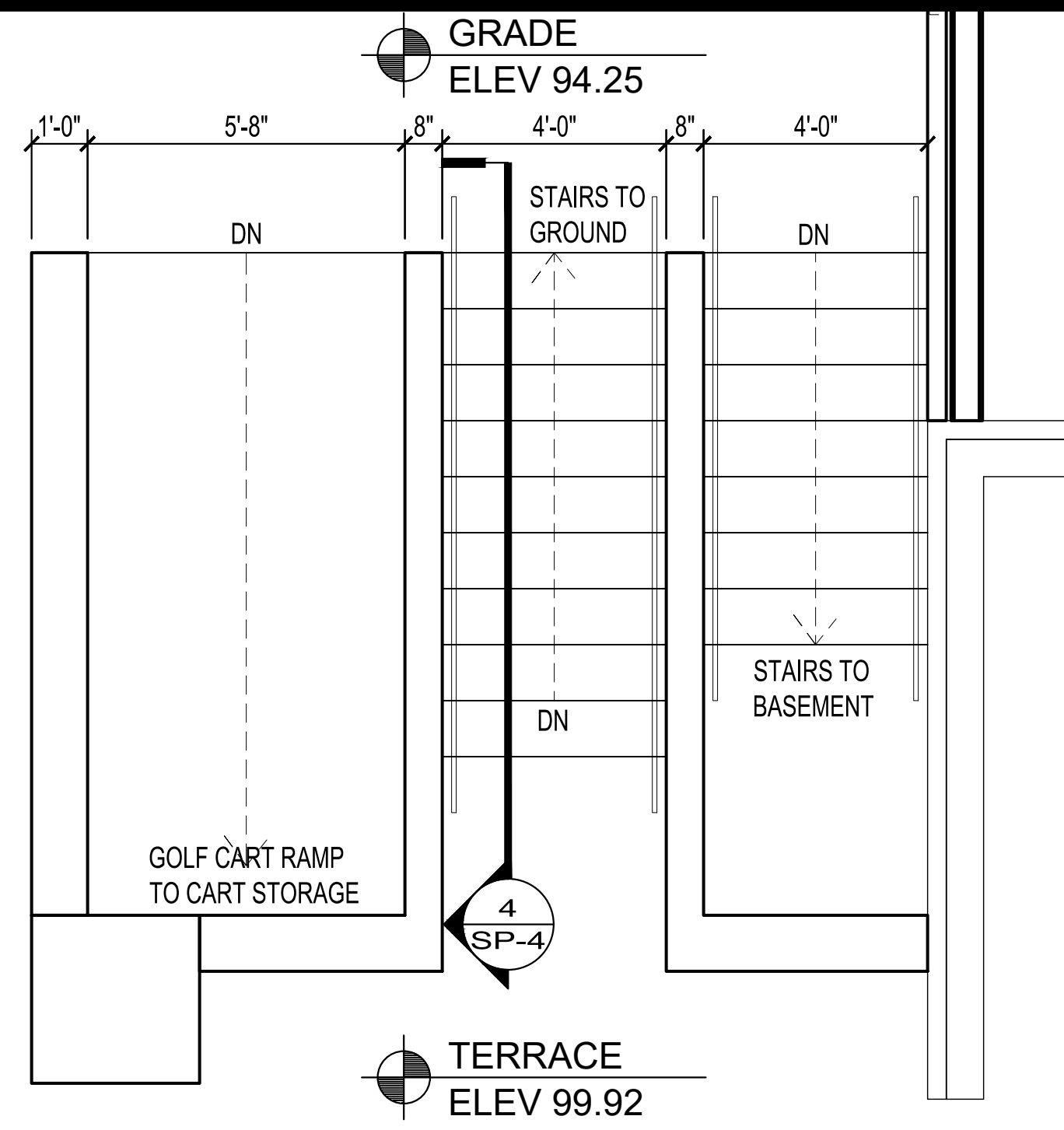
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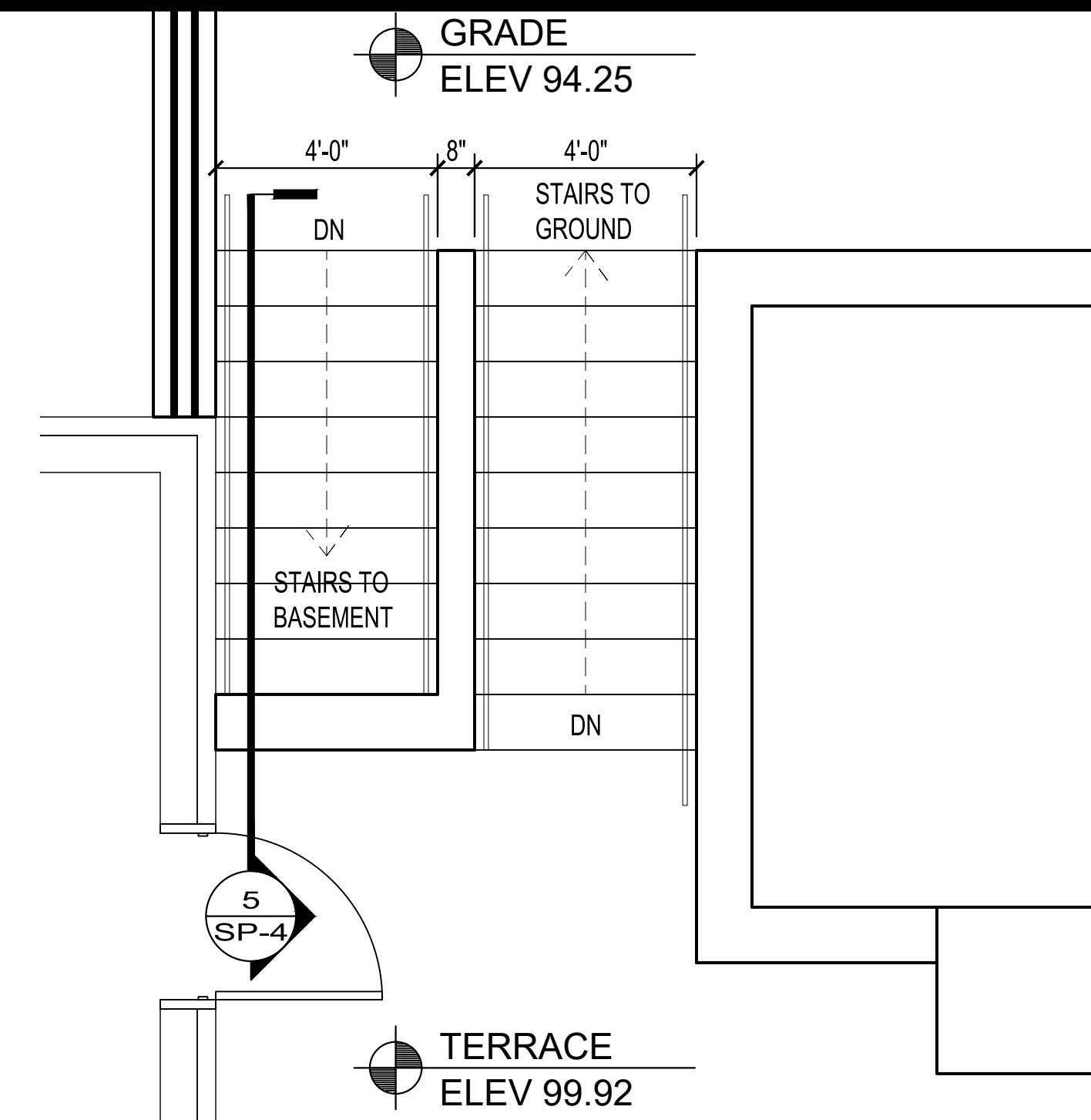
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PROJECT  
**REA PARK CLUBHOUSE RENOVATIONS**

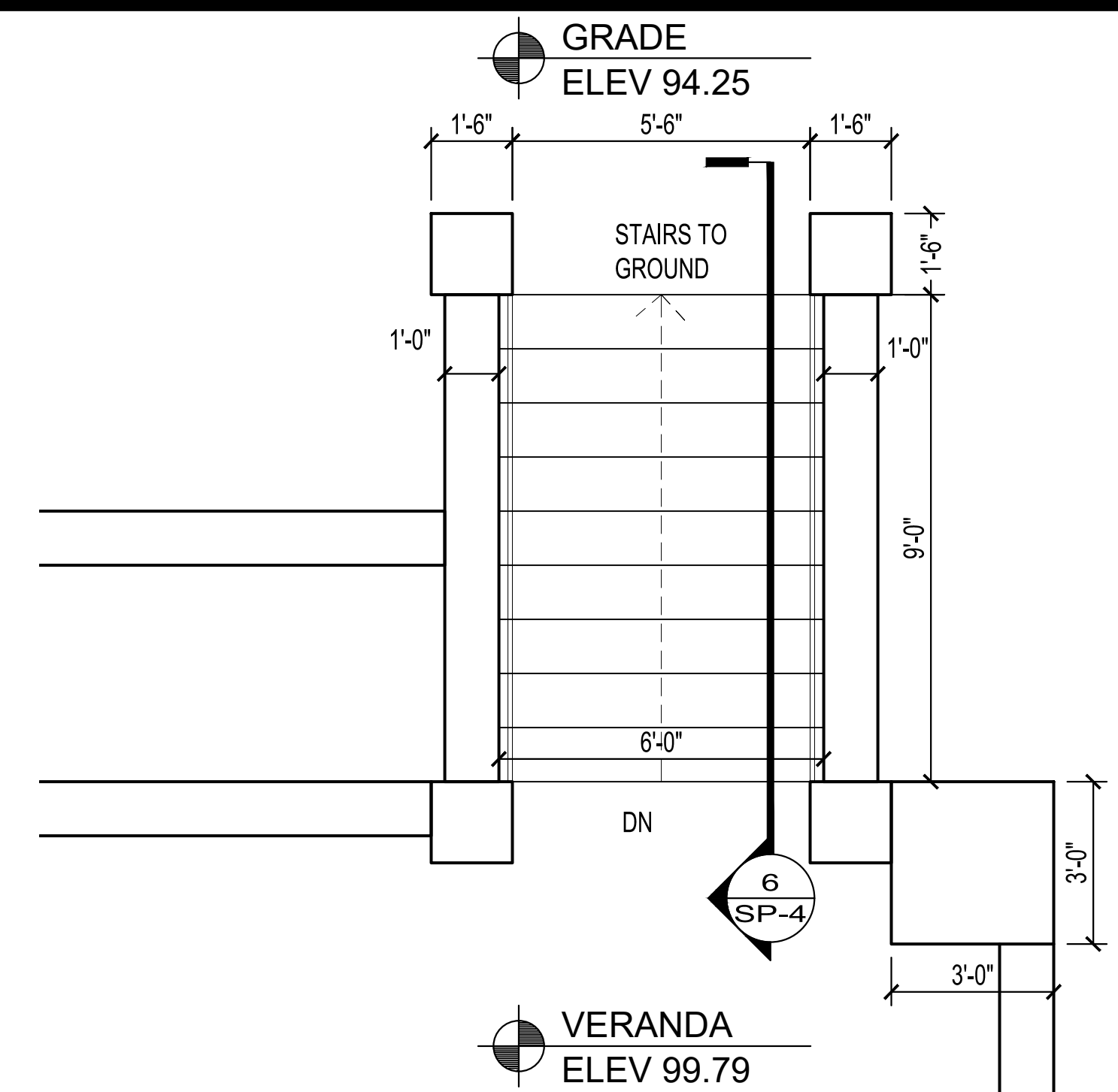
JOB NUMBER  
**2214**  
 DATE  
**09/22/23**  
 SHEET TITLE  
**RAMP DETAILS**  
 SHEET  
**SP-3**



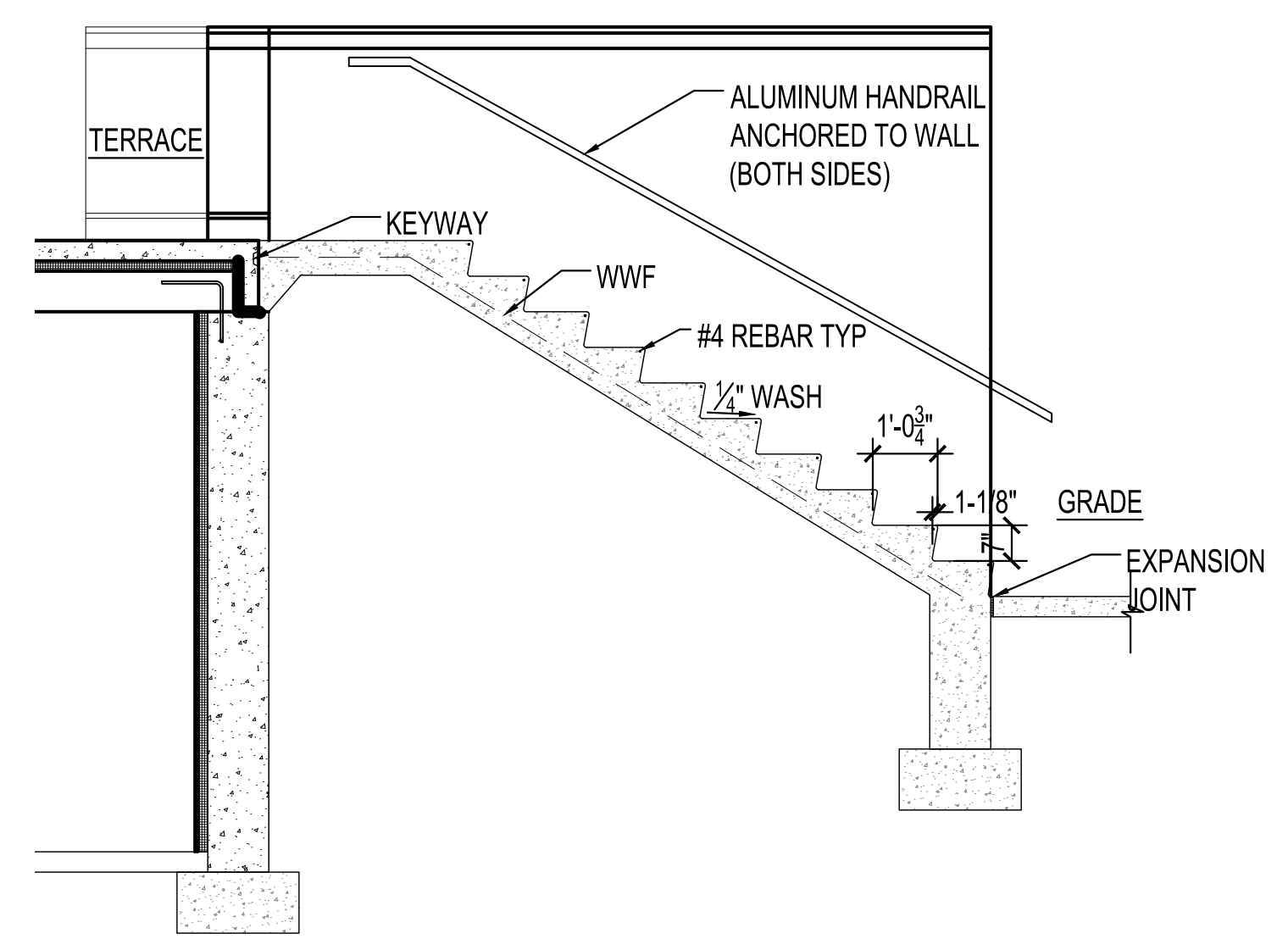
1 ENLARGED NORTH STAIR PLAN  
SCALE: 3/8" = 1'-0"



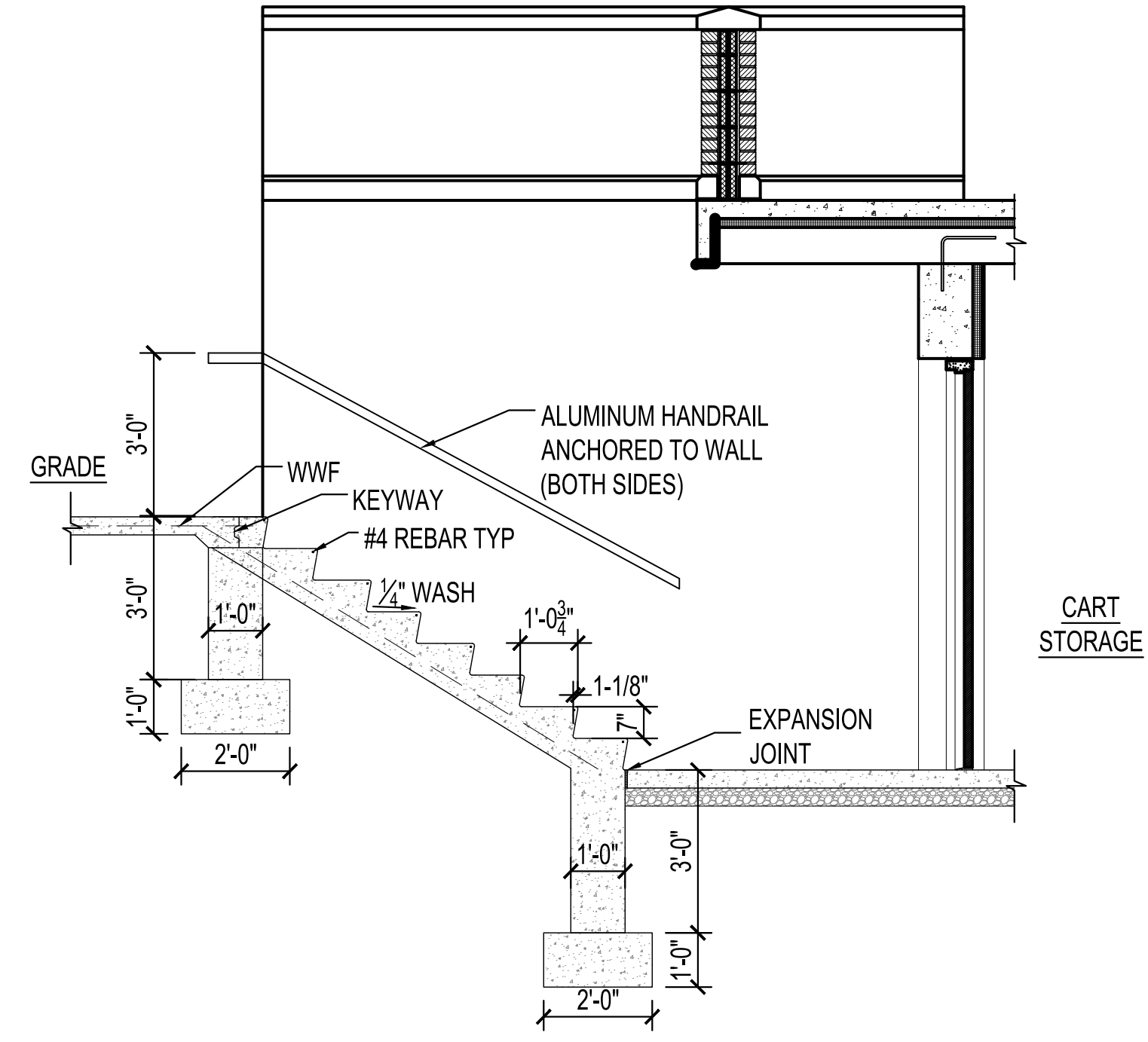
2 ENLARGED SOUTH STAIR PLAN  
SCALE: 3/8" = 1'-0"



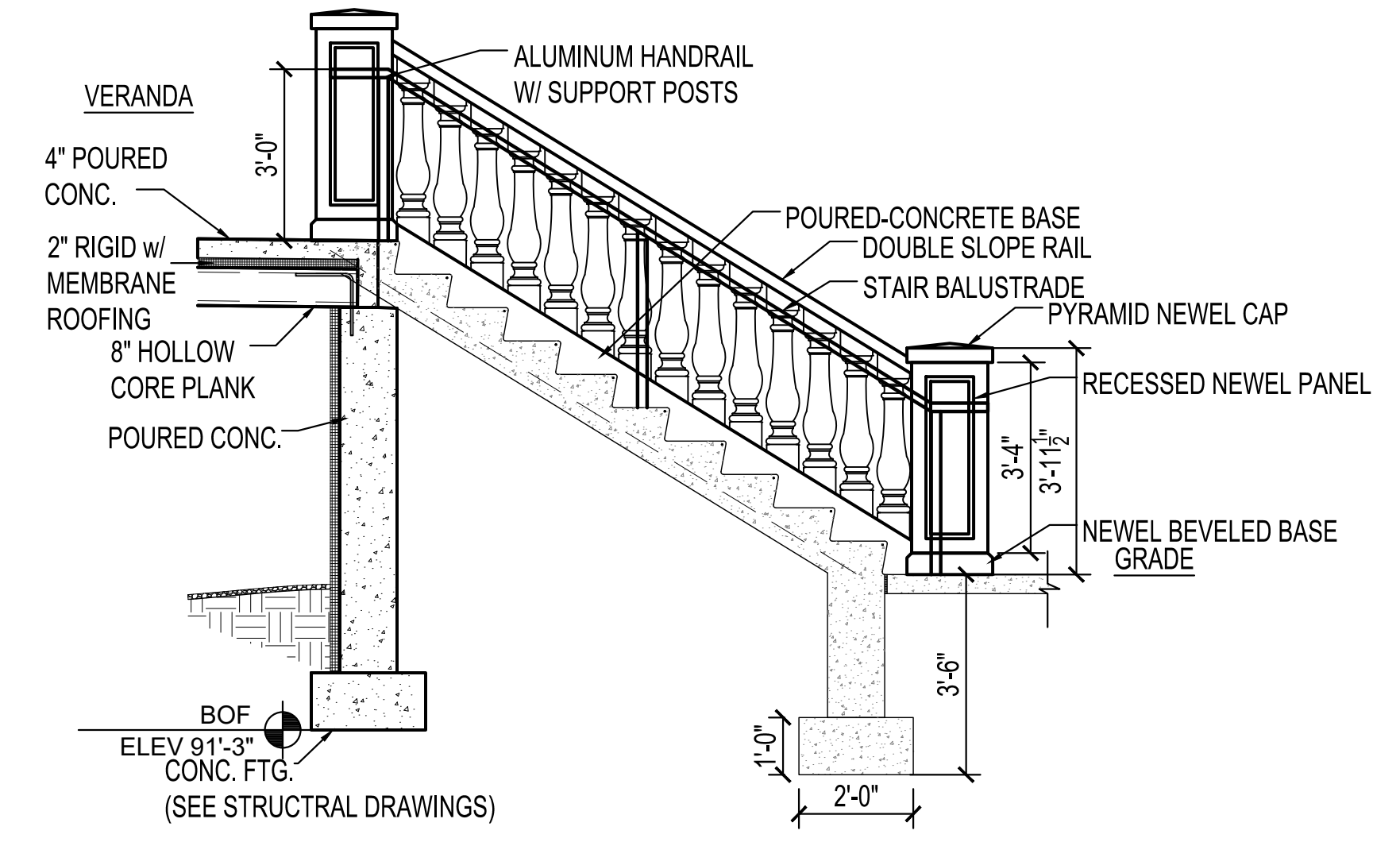
3 ENLARGED EAST STAIR PLAN  
SCALE: 3/8" = 1'-0"



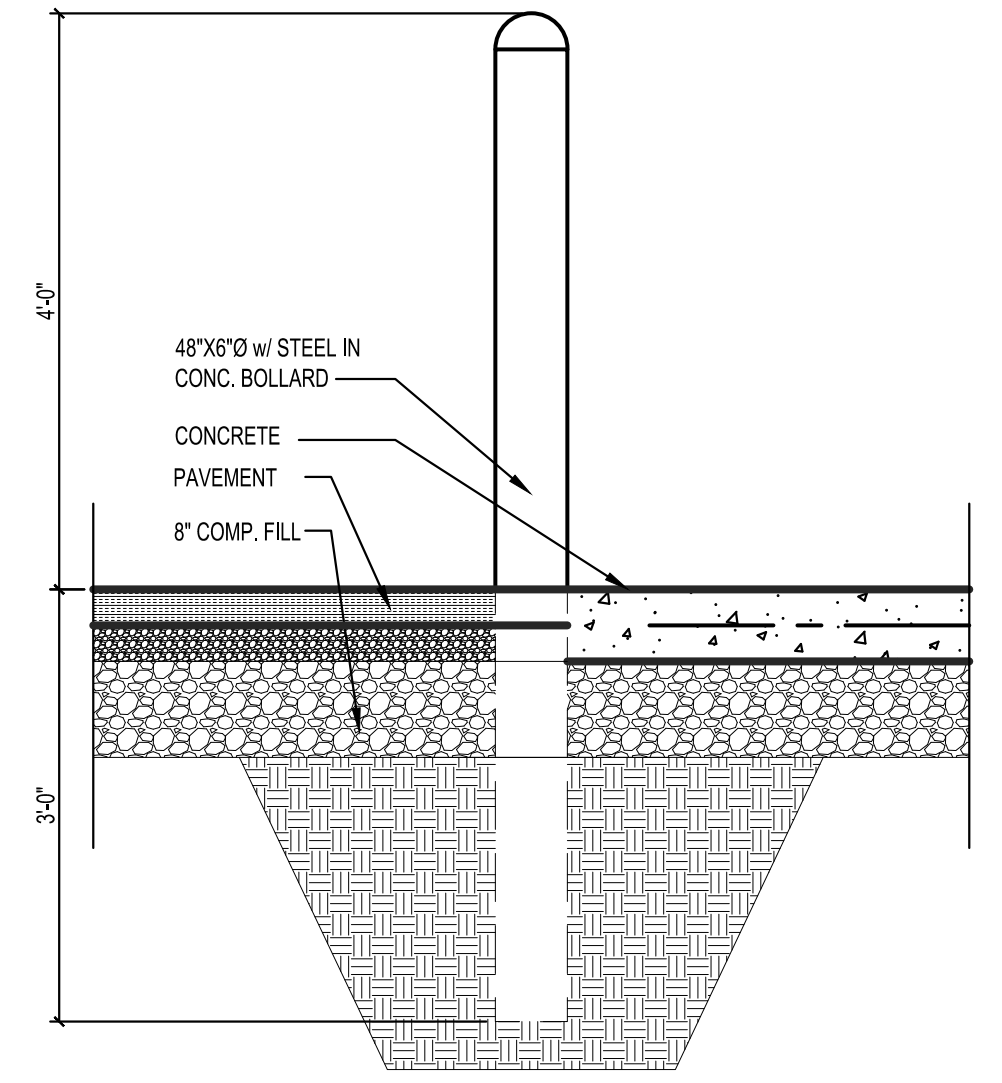
4 NORTH STAIR SECTION  
SCALE: 3/8" = 1'-0"



5 SOUTH STAIR SECTION  
SCALE: 3/8" = 1'-0"

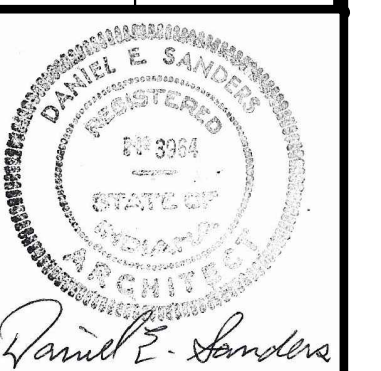


6 EAST STAIR SECTION  
SCALE: 3/8" = 1'-0"



7 TYP BOLLARD DETAIL  
SCALE: 3/4" = 1'-0"

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NO.	DATE



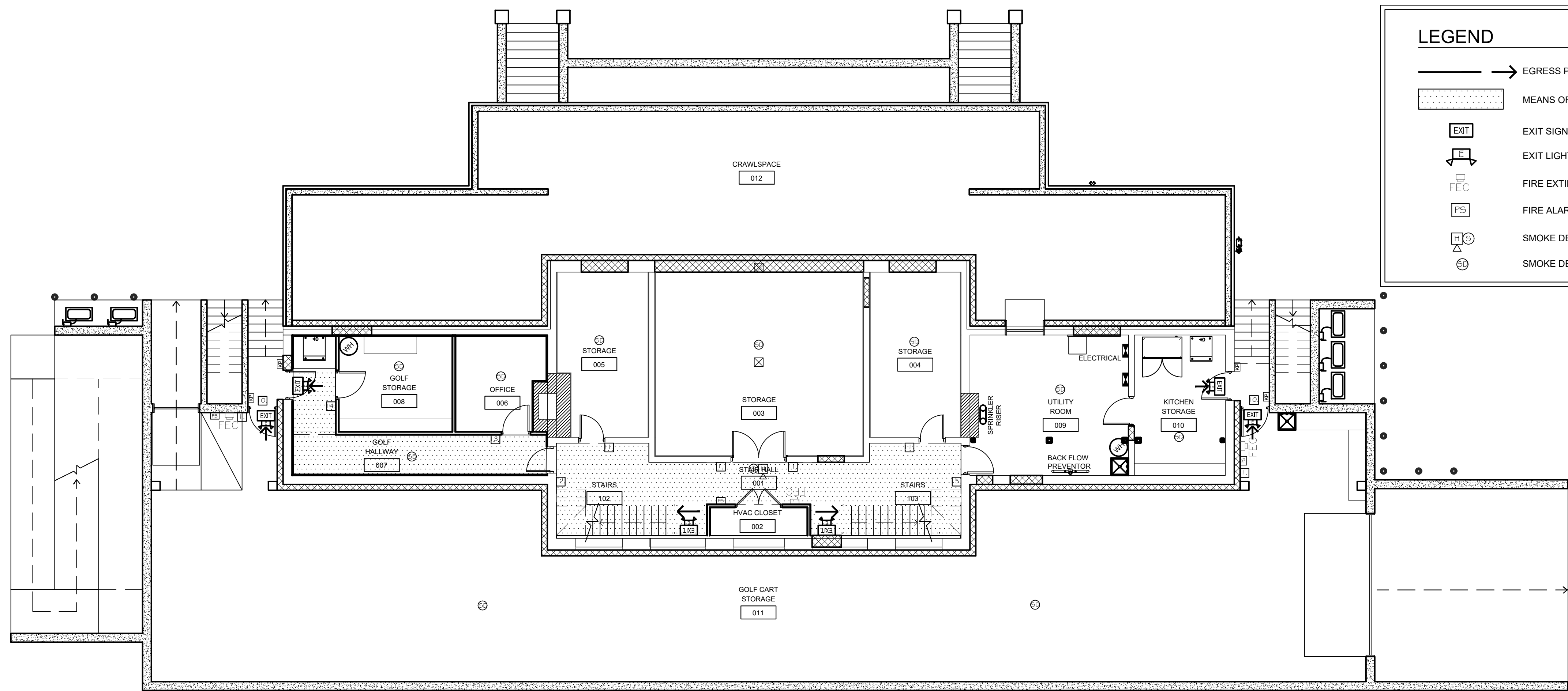
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CHECKED BY  
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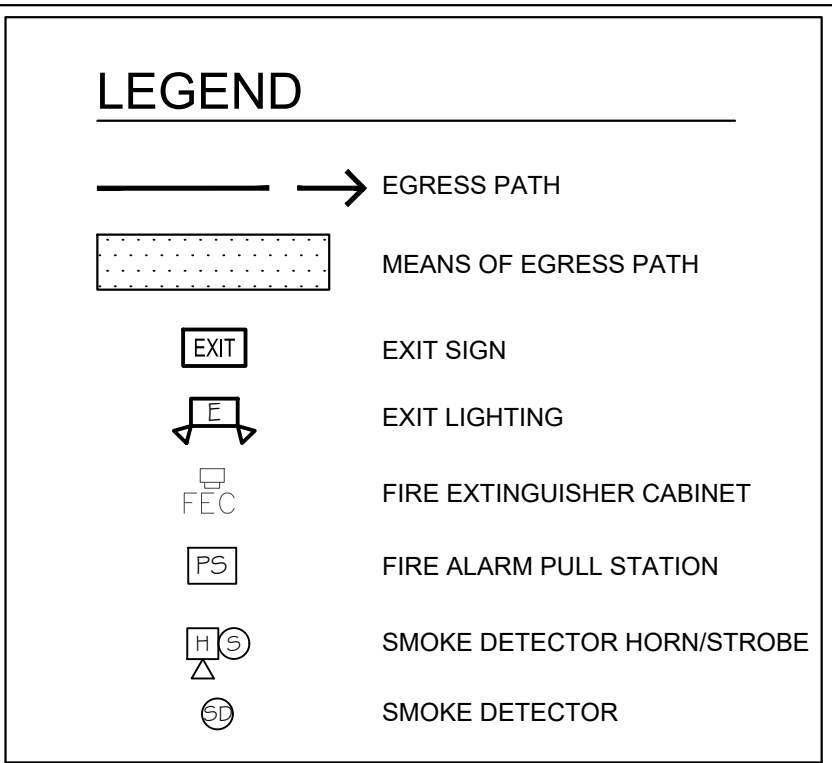
PROJECT  
**REA PARK CLUBHOUSE  
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SHEET TITLE  
**STAIRWAY DETAILS**

SHEET  
**SP-4**



1 BASEMENT LIFE SAFETY PLAN  
 LS-1 SCALE: 1/8" = 1'-0"



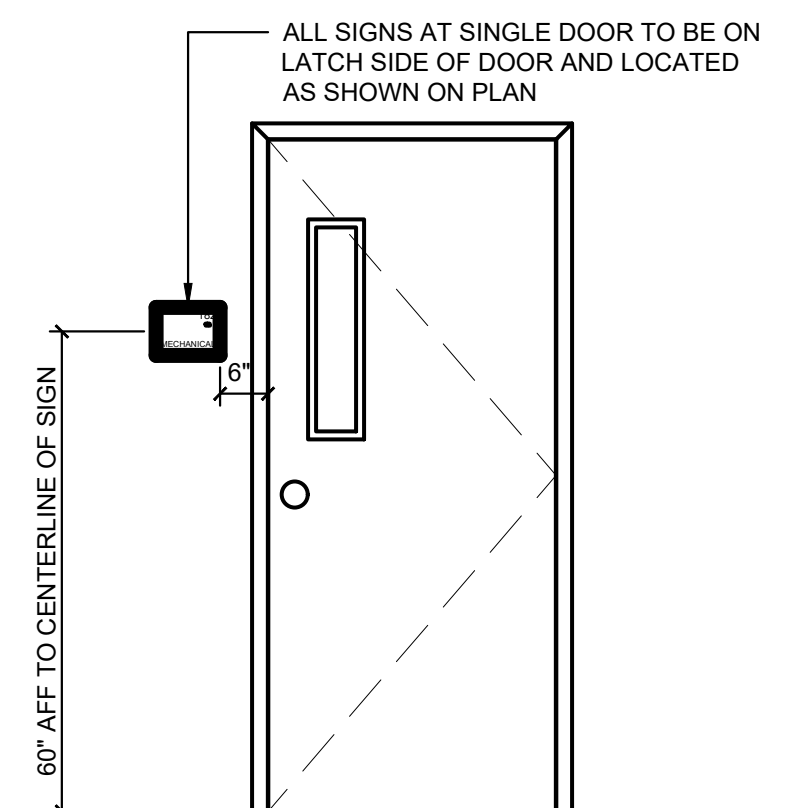
**EGRESS NOTES**

**EXIT SIGNS:** ALL MEANS OF EGRESS SHALL BE INDICATED WITH SIGNS READING "EXIT". VISIBLE FROM THE EXIT ACCESS AND, SUPPLEMENTED BY DIRECTIONAL SIGNS IN THE EXIT ACCESS CORRIDORS INDICATING THE DIRECTION AND WAY OF EGRESS. ALL "EXIT" SIGNS SHALL BE LOCATED AT EXIT DOORS OR EXIT ACCESS AREAS, SO AS TO BE READILY VISIBLE. SIGN PLACEMENT SHALL BE SUCH THAT ANY POINT IN THE EXIT ACCESS SHALL NOT BE MORE THAN 100 FEET FROM THE NEAREST VISIBLE SIGN. "EXIT" SIGNS SHALL HAVE LETTERS AT LEAST 6" HIGH AND THE MINIMUM WIDTH OF EACH STROKE SHALL BE 3/4" ON A WHITE BACKGROUND OR IN OTHER APPROVED DISTINGUISHABLE COLORS. THE WORD "EXIT" EXCEPT THE LETTER I, SHALL HAVE LETTERS HAVING A WIDTH OF NOT LESS THAN 2 INCHES AND THE MINIMUM SPACING BETWEEN LETTERS SHALL NOT BE LESS THAN 3/8". EACH SHALL BE ILLUMINATED BY A SOURCE PROVIDING NOT LESS THAN 5 FOOTCANDLES AT THE ILLUMINATED SURFACE AND SHALL HAVE A CONTRAST RATIO OF NOT LESS THAN 0.5. THE "EXIT" SIGN SHALL BE ILLUMINATED AT ALL TIMES. TO ASSURE CONTINUED ILLUMINATION FOR A DURATION OF NOT LESS THAN 1 HOUR IN CASE OF PRIMARY POWER LOSS, THE "EXIT" SIGN SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM.

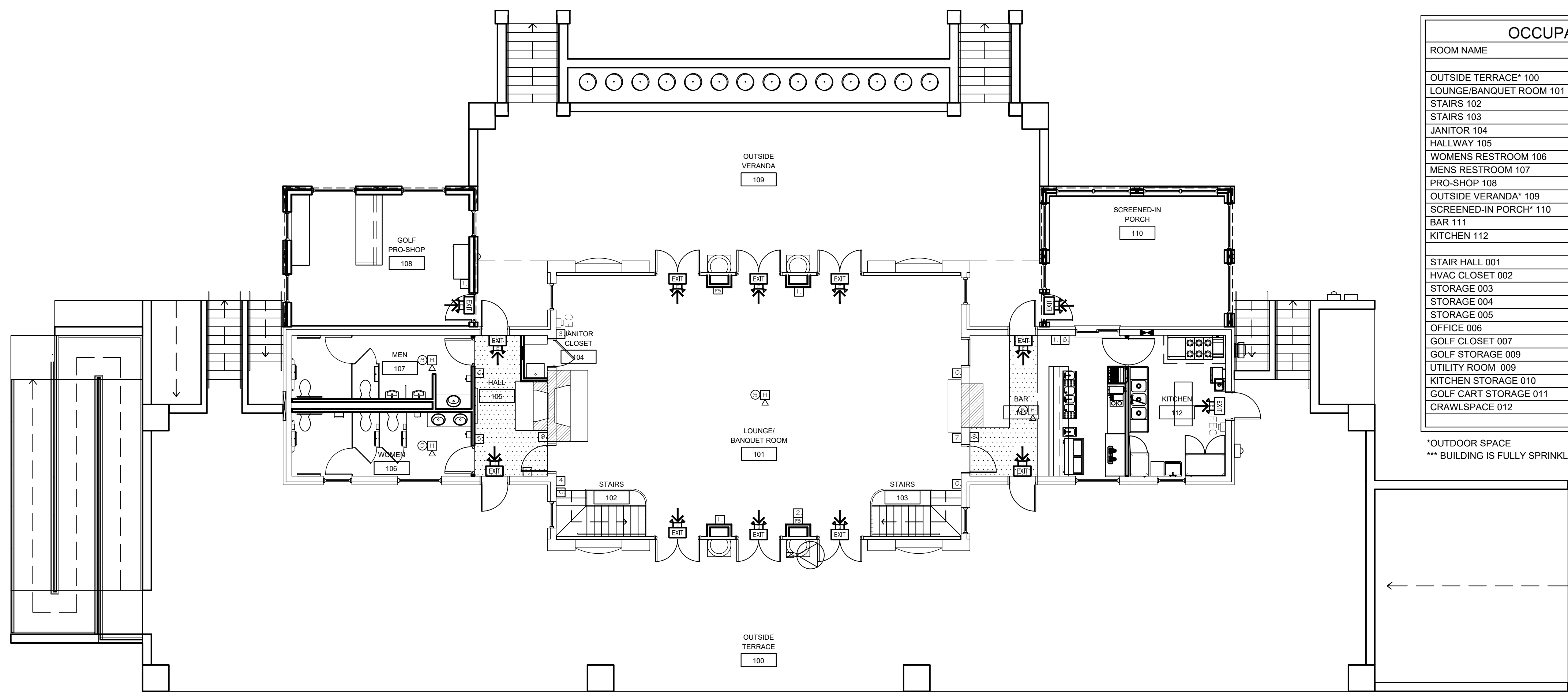
**EGRESS LIGHTING:** ALL MEANS OF EGRESS SHALL BE EQUIPPED WITH ARTIFICIAL LIGHTING TO INCLUDE ACCESS CORRIDORS, STAIRS AND EXTERIOR EXIT DISCHARGE. THE INTENSITY OF LIGHTING AT FLOOR LEVEL SHALL NOT BE LESS THAN 1 FOOTCANDLE. THE MINIMUM LIGHTING IN THE SANCTUARY AISLES SHALL BE 2 FOOTCANDLES. THE MEANS OF EGRESS LIGHTING SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM THAT WILL ASSURE CONTINUED ILLUMINATION FOR A DURATION OF NOT LESS THAN ONE HOUR IN CASE OF EMERGENCY OR PRIMARY POWER LOSS.

**ADA EGRESS DOORS:** ALL MEANS OF EGRESS SHALL BE EQUIPPED WITH DOORS, FRAMES AND HARDWARE THAT COMPLY WITH THE AMERICAN WITH DISABILITIES ACT WITHOUT EXCEPTION.

**LABEL EGRESS DOORS:** ALL MEANS OF EGRESS SHALL BE EQUIPPED WITH LABEL FIRE RATED ASSEMBLIES WITH CLOSERS. DOORS AND FRAMES SHALL BE LABELED OR PROVIDE OTHER APPROVED IDENTIFICATION SHOWING THE NAME OF THE MANUFACTURER AND THE FIRE PROTECTION RATING (SEE DOOR SCHEDULE).



3 TYPICAL SIGN MOUNTING  
 LS-1 SCALE: NO SCALE



2 1ST FLOOR LIFE SAFETY PLAN  
 LS-1 SCALE: 1/8" = 1'-0"

OCCUPANT LOAD			
ROOM NAME	SQFT	PER PERSON	CAPACITY
OUTSIDE TERRACE* 100	3165	15	0
LOUNGE/BANQUET ROOM 101	1250	15	83
STAIRS 102	55	0	0
STAIRS 103	55	0	0
JANITOR 104	13	0	0
HALLWAY 105	108	0	0
WOMENS RESTROOM 106	160	0	0
MENS RESTROOM 107	150	0	0
PRO-SHOP 108	355	15	24
OUTSIDE VERANDA* 109	1200	15	0
SCREENED-IN PORCH* 110	355	15	24
BAR 111	283	7	40
KITCHEN 112	175	200	1
STAIR HALL 001	300	0	0
HVAC CLOSET 002	36	0	0
STORAGE 003	496	300	1
STORAGE 004	195	300	0
STORAGE 005	185	300	0
OFFICE 006	172	150	1
GOLF CLOSET 007	63	0	0
GOLF STORAGE 009	225	300	0
UTILITY ROOM 009	285	0	0
KITCHEN STORAGE 010	167	300	0
GOLF CART STORAGE 011	2900	300	10
CRAWLSPACE 012	1746	0	0
<b>TOTAL</b>			<b>183</b>

\*OUTDOOR SPACE  
 \*\*\* BUILDING IS FULLY SPRINKLERED.

**BUILDING INTERIOR SIGNAGE NOTES:**  
 SIGNS SHALL HAVE VISUAL LETTERING, GRAPHICS, BRAILLE, AND COMPLY WITH ANSI 117.1-2003, CHAPTER 7.

CONTRACTOR SHALL PROVIDE THE FOLLOWING:

**INTERIOR SIGNAGE LIST:**

- NO SMOKING SIGNS (8)
- OCCUPANT LOAD SIGN (BANQUET HALL)
- JANITOR CLOSET
- RESTROOM DIRECTION
- WOMENS RESTROOM
- MENS RESTROOM
- BAR DIRECTION
- OCCUPANT LOAD SIGN (BAR)
- BANQUET HALL DIRECTION (2)
- NO PUBLIC ACCESS (5)
- STORAGE (3)
- STAFF ONLY
- OFFICE
- GOLF STORAGE
- MECHANICAL ROOM

**BUILDING EXTERIOR SIGNAGE NOTES:**  
 CONTRACTOR SHALL PROVIDE AND INSTALL 1 BRONZE DEDICATION PLAQUE SIZE 24inX18in ON EAST FACADE. WORDING TO BE DETERMINED BY ARCHITECT.

CONTRACTOR TO RELOCATE '1984 RENOVATION' BRONZE PLAQUE FROM BANQUET ROOM FIREPLACE TO EAST FACADE.

CONTRACTOR TO RELOCATE 'HALL OF FAME' BRONZE PLAQUE FROM BASEMENT TO HALLWAY ABOVE THE FIREPLACE.

EXISTING EXTERIOR BRONZE DEDICATION PLAQUES TO BE RESTORED AND RE-HUNG ON WEST SIDE OF BUILDING.

REVISIONS	
NO.	DATE

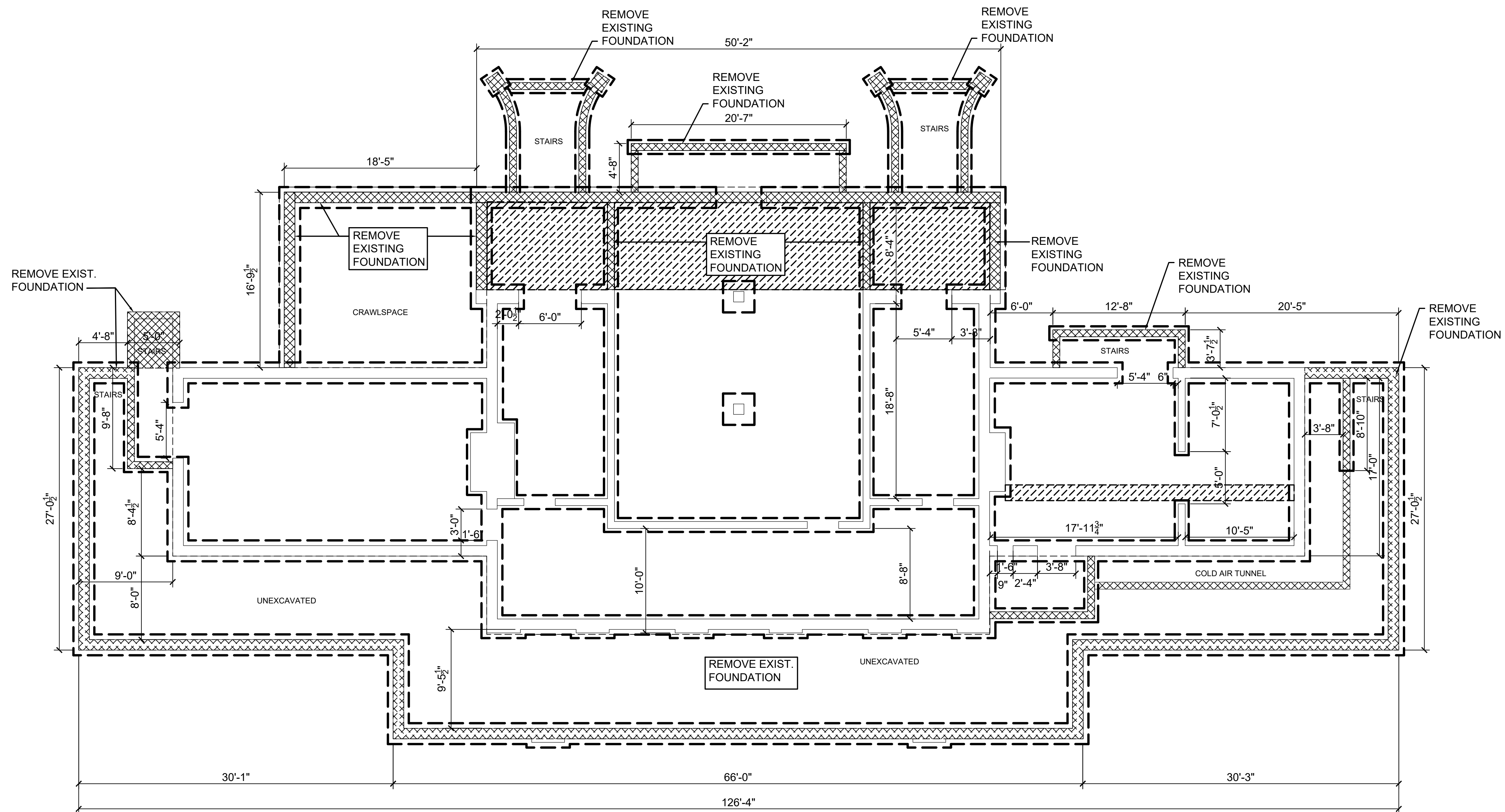
Daniel E. Sanders  
 REGISTERED PROFESSIONAL ARCHITECT  
 STATE OF INDIANA  
 No. 12584  
 D. SANDERS  
 DRAWN BY  
 AJ/DC  
 CHECKED BY  
 D. SANDERS

Sanders and Associates, Inc.  
 300 SOUTH WINDYBROOK AVENUE  
 TERRE HAUTE, INDIANA 47607  
 PHONE (812) 232-5556

PROJECT  
**REA PARK CLUBHOUSE**  
**RENOVATIONS**

JOB NUMBER  
**2214**  
 DATE  
**09/22/23**  
 SHEET TITLE  
**LIFE SAFETY PLANS**

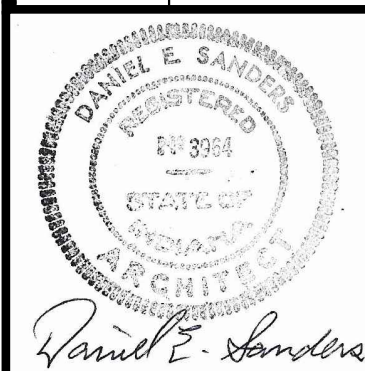
SHEET  
**LS-1**



1  
D-0 DEMO FOUNDATION PLAN  
SCALE: 3/16" = 1'-0"

DEMO KEY	
	REMOVE FOUNDATION
	REMOVE SLAB

REVISIONS	
NO.	DATE



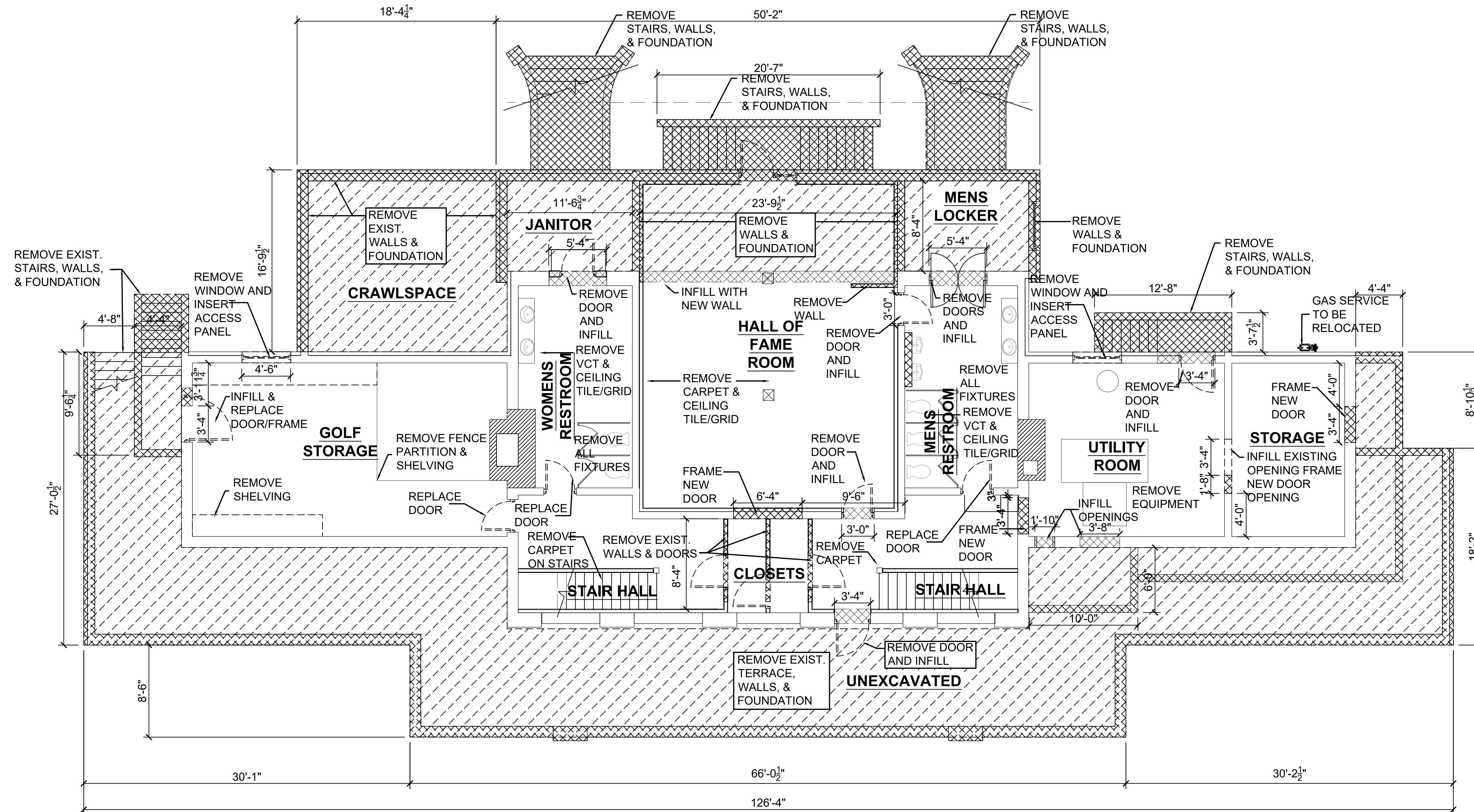
CERTIFIED BY  
**D. SANDERS**  
DRAWN BY  
**AJ/DC**  
CHECKED BY  
**D. SANDERS**



PROJECT  
**REA PARK CLUBHOUSE  
RENOVATIONS**

JOB NUMBER  
**2214**  
DATE  
**09/22/23**  
SHEET TITLE  
**DEMO FOUNDATION  
PLAN**

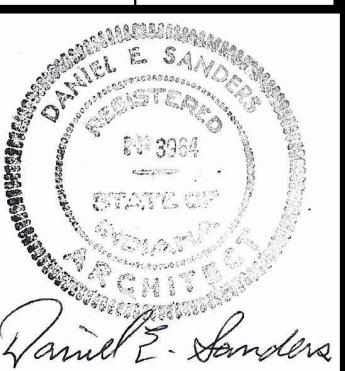
SHEET  
**D-0**



1 DEMO BASEMENT PLAN  
 D-1 SCALE: 3/16" = 1'-0"

DEMO KEY	
	REMOVE WALL
	DEMO ENTIRE AREA

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NO.	DATE



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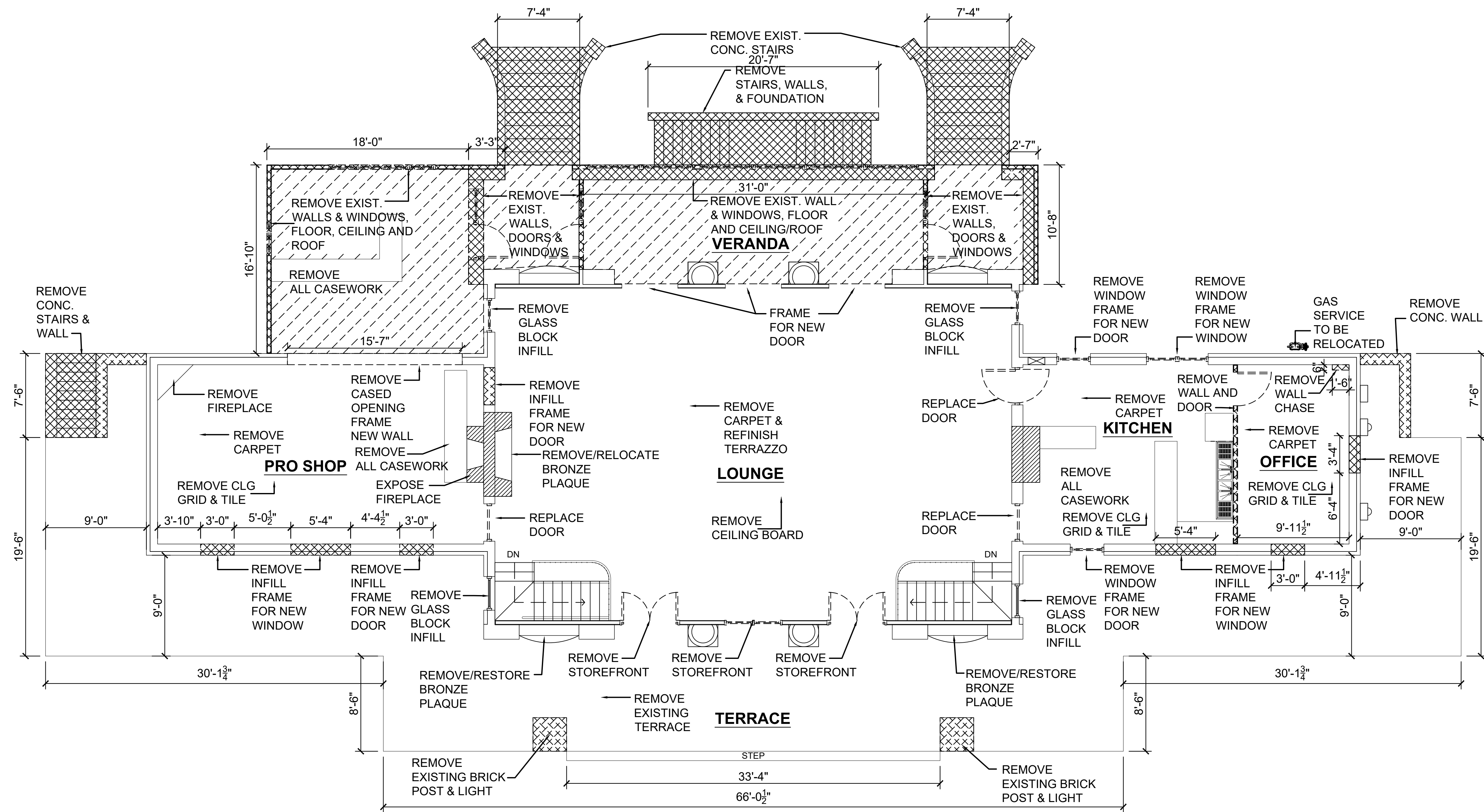


PROJECT  
**REA PARK CLUBHOUSE**  
**RENOVATIONS**

JOB NUMBER  
**2214**  
 DATE  
**09/22/23**  
 SHEET TITLE  
**DEMO BASEMENT PLAN**  
 SHEET

**D-1**

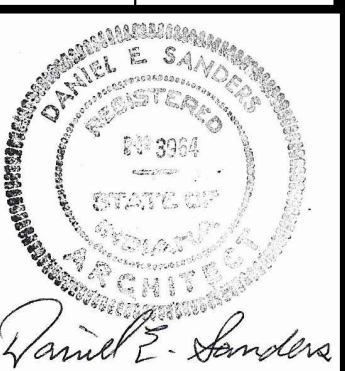




1  
D-2 DEMOLITION 1ST FLOOR PLAN  
SCALE: 3/16" = 1'-0"

DEMO KEY	
	REMOVE WALL
	DEMO ENTIRE AREA

REVISIONS	
NO.	DATE



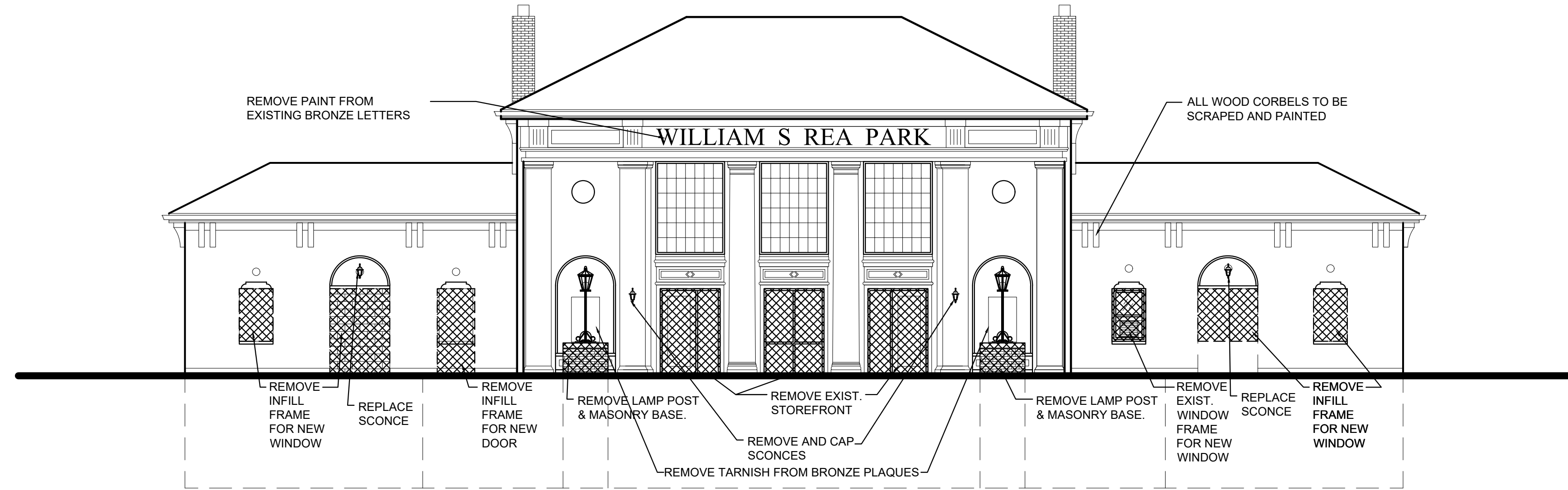
CERTIFIED BY  
**D. SANDERS**  
DRAWN BY  
**AJ/DC**  
CHECKED BY  
**D. SANDERS**



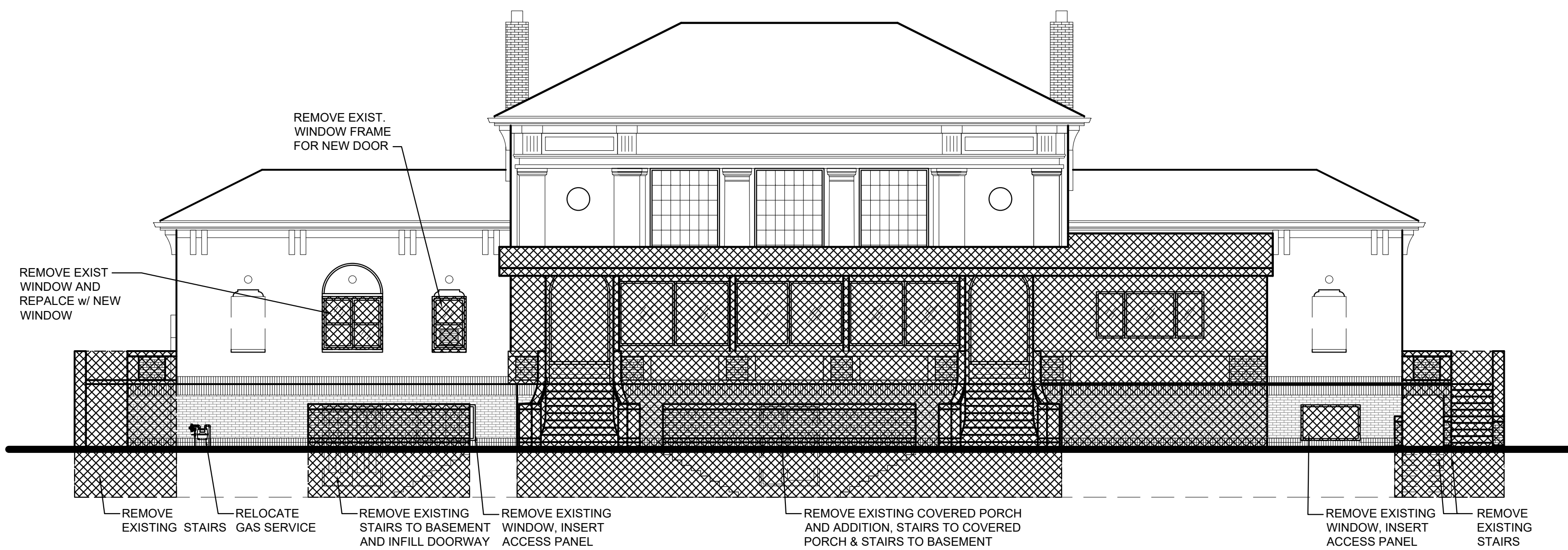
PROJECT  
**REA PARK CLUBHOUSE  
RENOVATIONS**

JOB NUMBER  
**2214**  
DATE  
**09/22/23**  
SHEET TITLE  
**DEMO 1ST FLOOR  
PLAN**  
SHEET

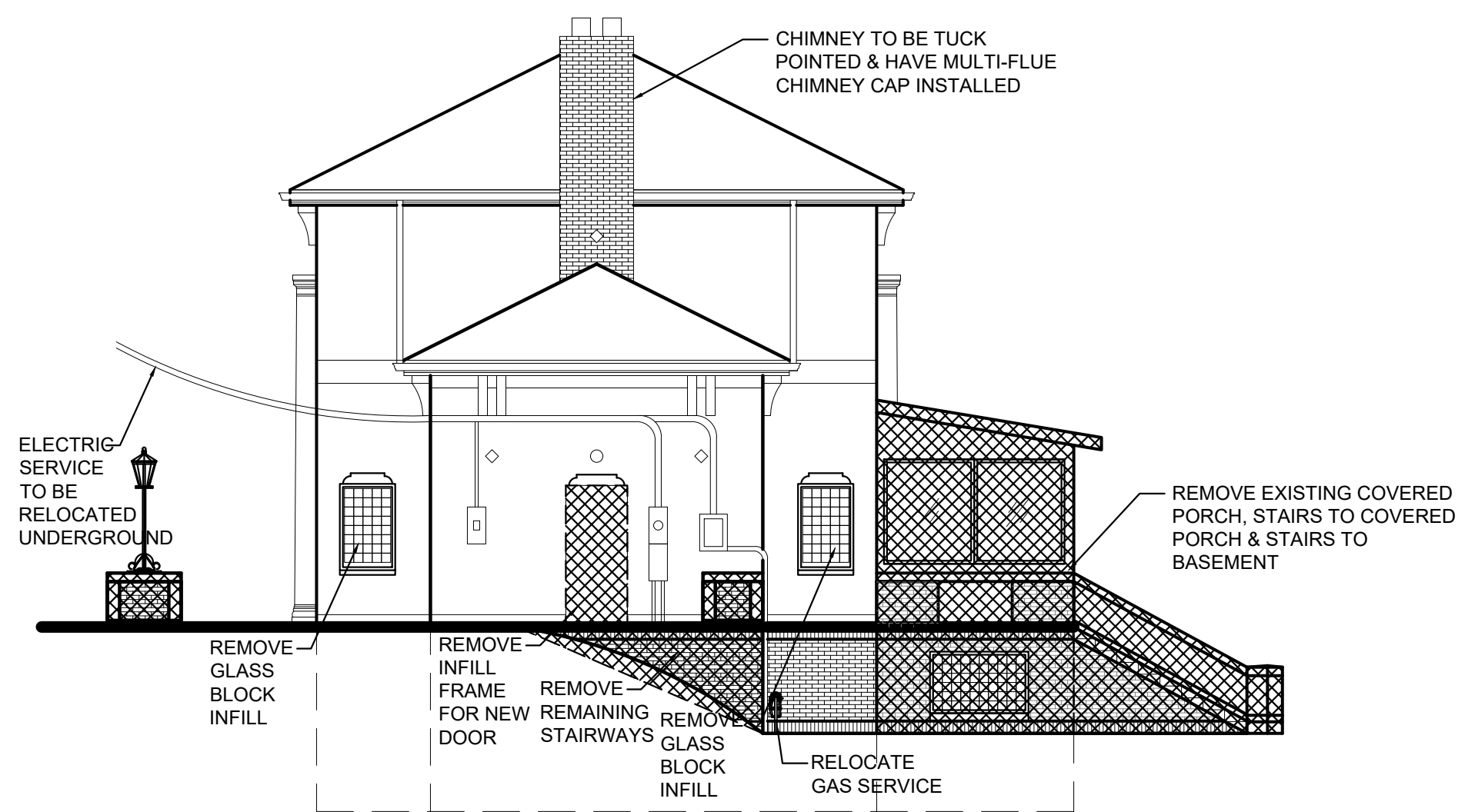
**D-2**



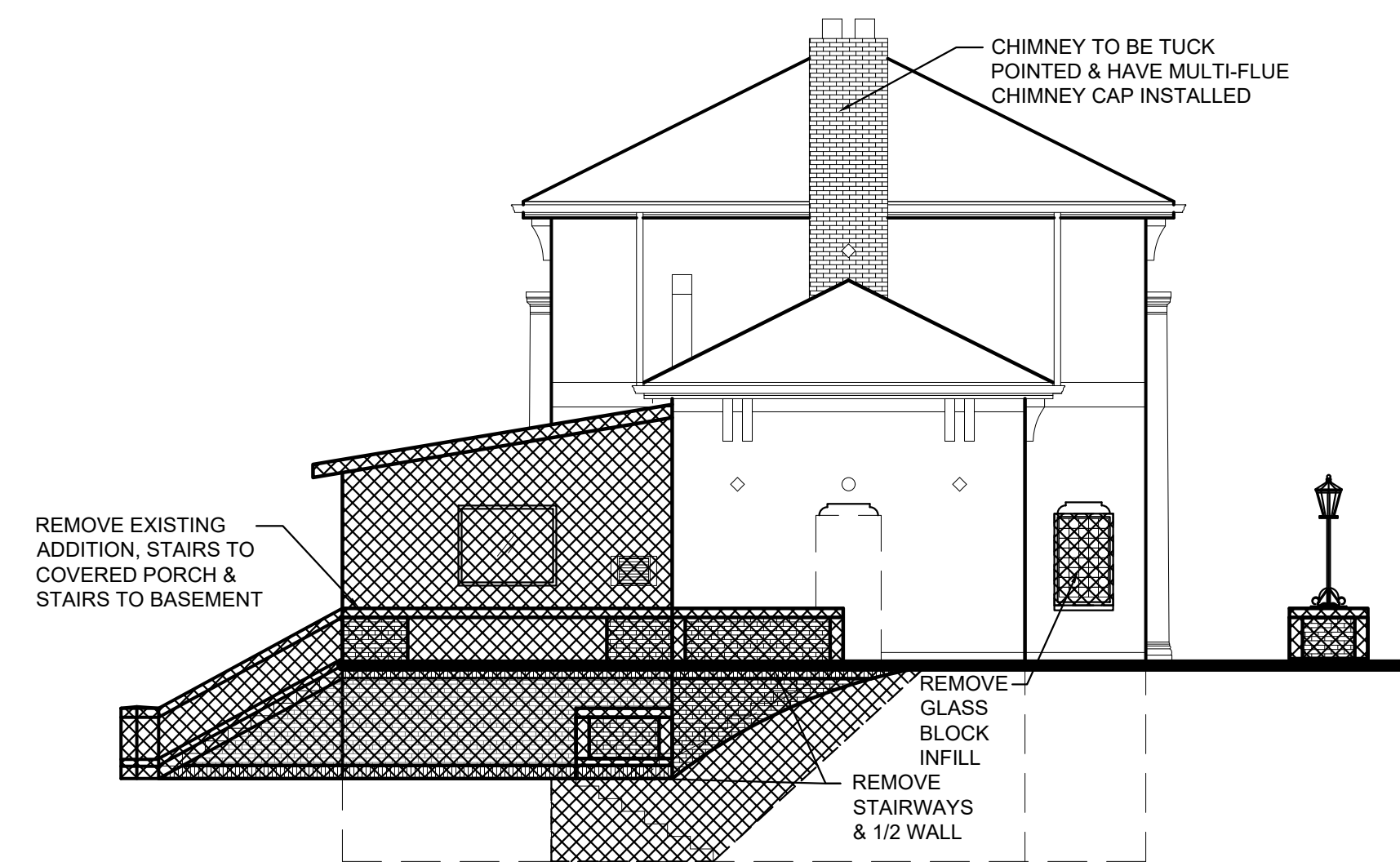
1 DEMO WEST ELEVATION  
D-3 SCALE: 1/8" = 1'-0"



2 DEMO EAST ELEVATION  
D-3 SCALE: 1/8" = 1'-0"

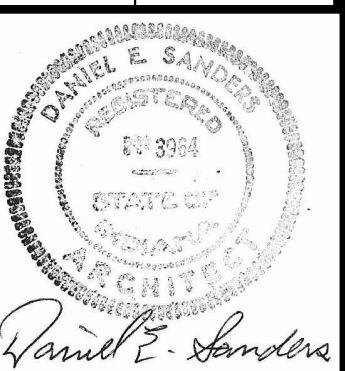


3 DEMO SOUTH ELEVATION  
D-3 SCALE: 3/16" = 1'-0"



4 DEMO NORTH ELEVATION  
D-3 SCALE: 1/8" = 1'-0"

REVISIONS	
NO.	DATE



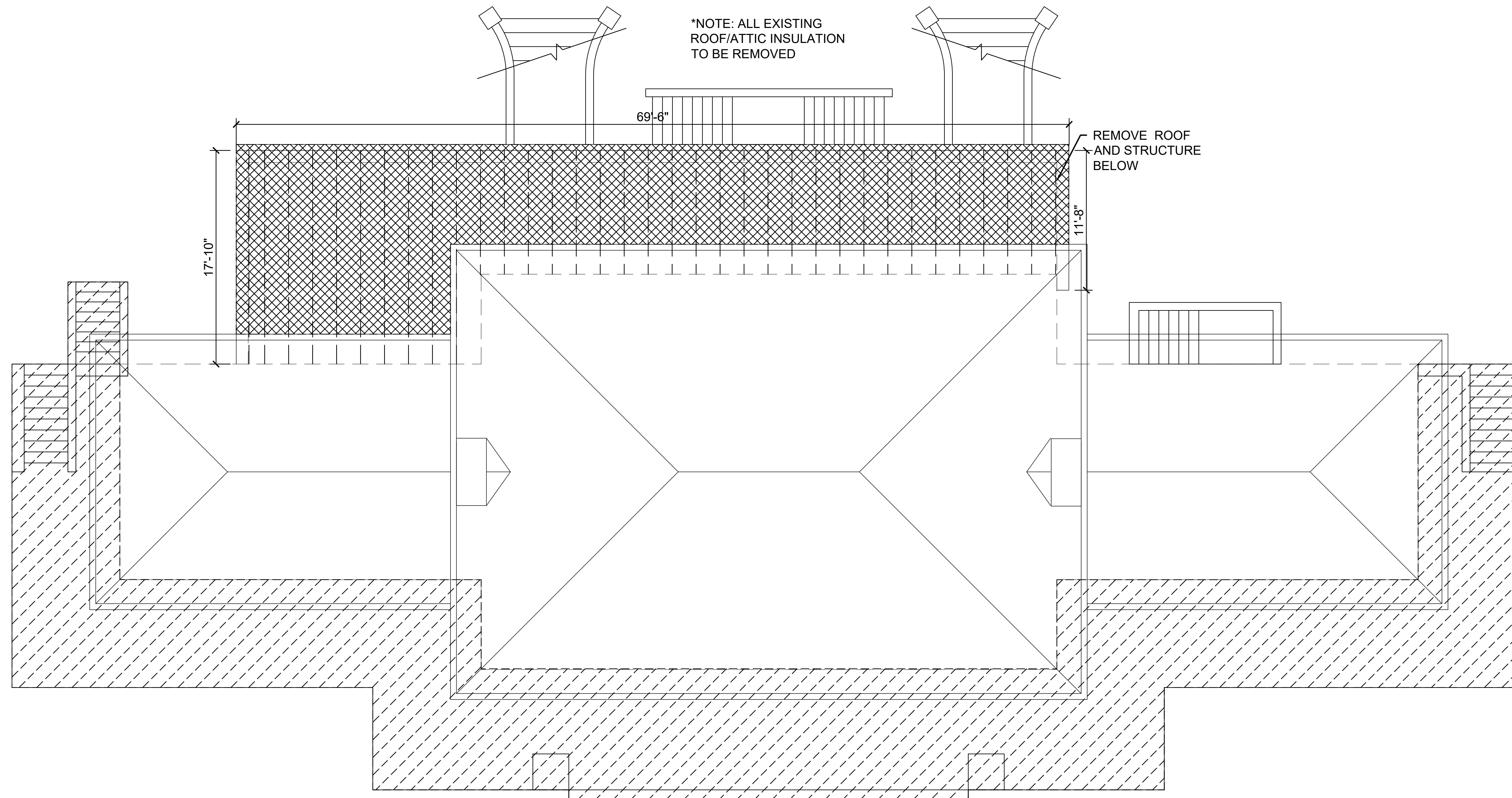
CERTIFIED BY  
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**AJ/DC**  
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**D. SANDERS**



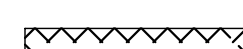
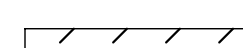
PROJECT  
**REA PARK CLUBHOUSE  
RENOVATIONS**

JOB NUMBER  
**2214**  
DATE  
**09/22/23**  
SHEET TITLE  
**DEMO ELEVATIONS**

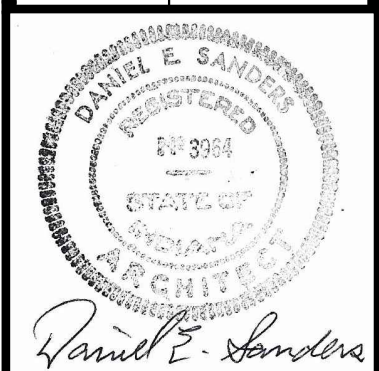
SHEET  
**D-3**



1  
D-4 DEMO ROOF PLAN  
SCALE: 3/16" = 1'-0"

DEMO KEY	
	REMOVE ROOF
	DEMO ENTIRE AREA

REVISIONS	
NO.	DATE



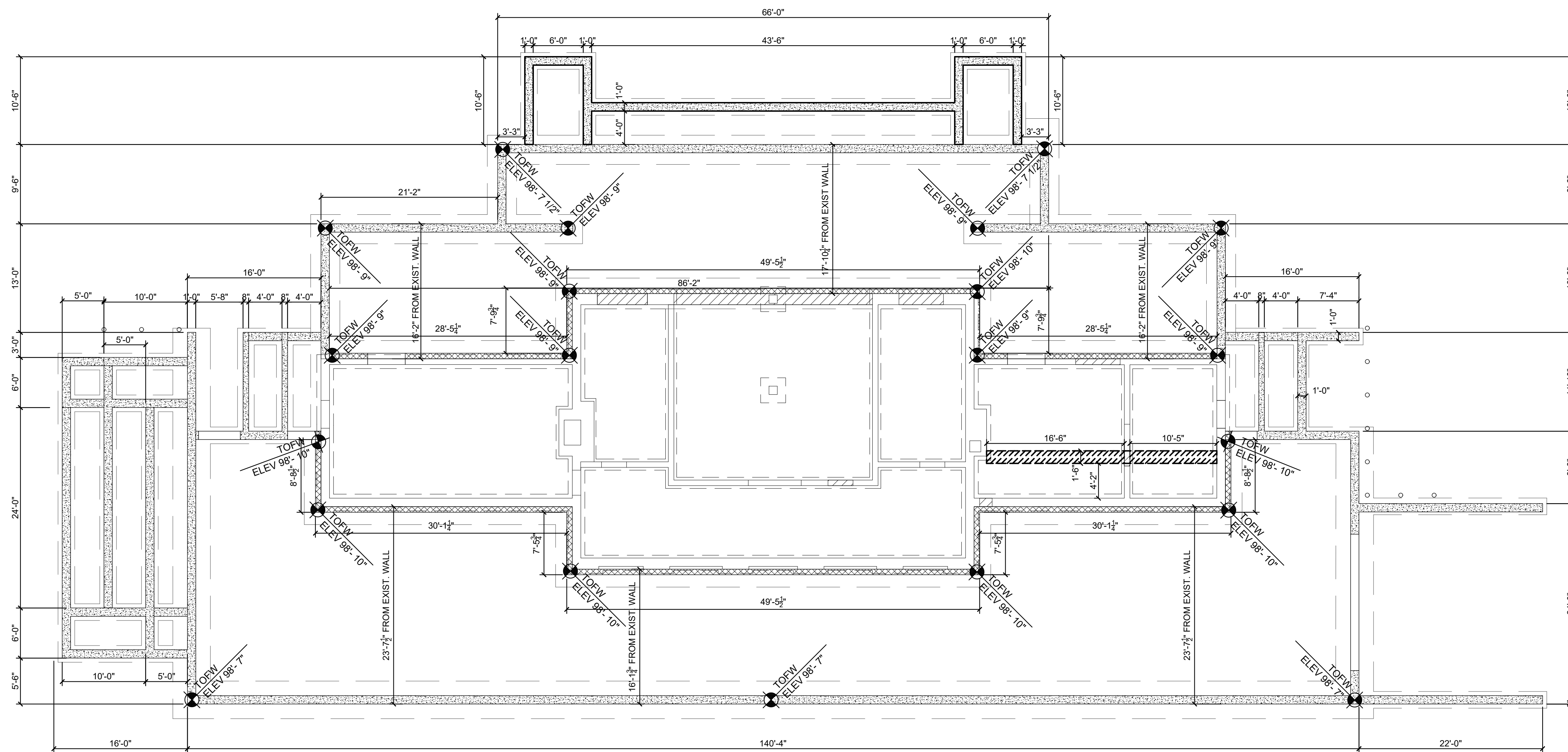
CERTIFIED BY  
**D. SANDERS**  
DRAWN BY  
**AJ/DC**  
CHECKED BY  
**D. SANDERS**

**Sanders and Associates, Inc.**  
100 SOUTH WALKER STREET  
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PHONE (812) 232-5556

PROJECT  
**REA PARK CLUBHOUSE  
RENOVATIONS**

JOB NUMBER  
**2214**  
DATE  
**09/22/23**  
SHEET TITLE  
**DEMO ROOF PLAN**

SHEET  
**D-4**



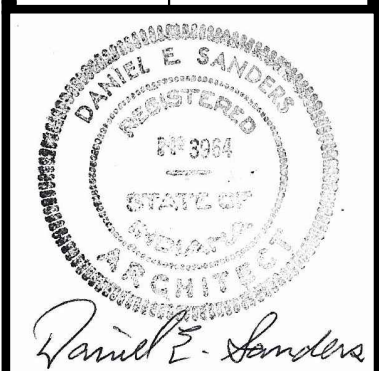
TOFW (TOP OF FOUNDATION WALL)

1  
A-1  
NEW FOUNDATION PLAN  
SCALE: 1/8" = 1'-0"  
N

KEY	
	NEW POURED CONCRETE
	NEW CONCRETE BLOCK
	NEW CONCRETE BLOCK TO INFILL EXISTING FOUNDATION OPENINGS
	REMOVE SLAB, POUR NEW THICKENED SLAB
	EXISTING WALL TO REMAIN

NOTE: SEE SHEET F1.0 FOR FOUNDATION DETAILS

REVISIONS	
NO.	DATE



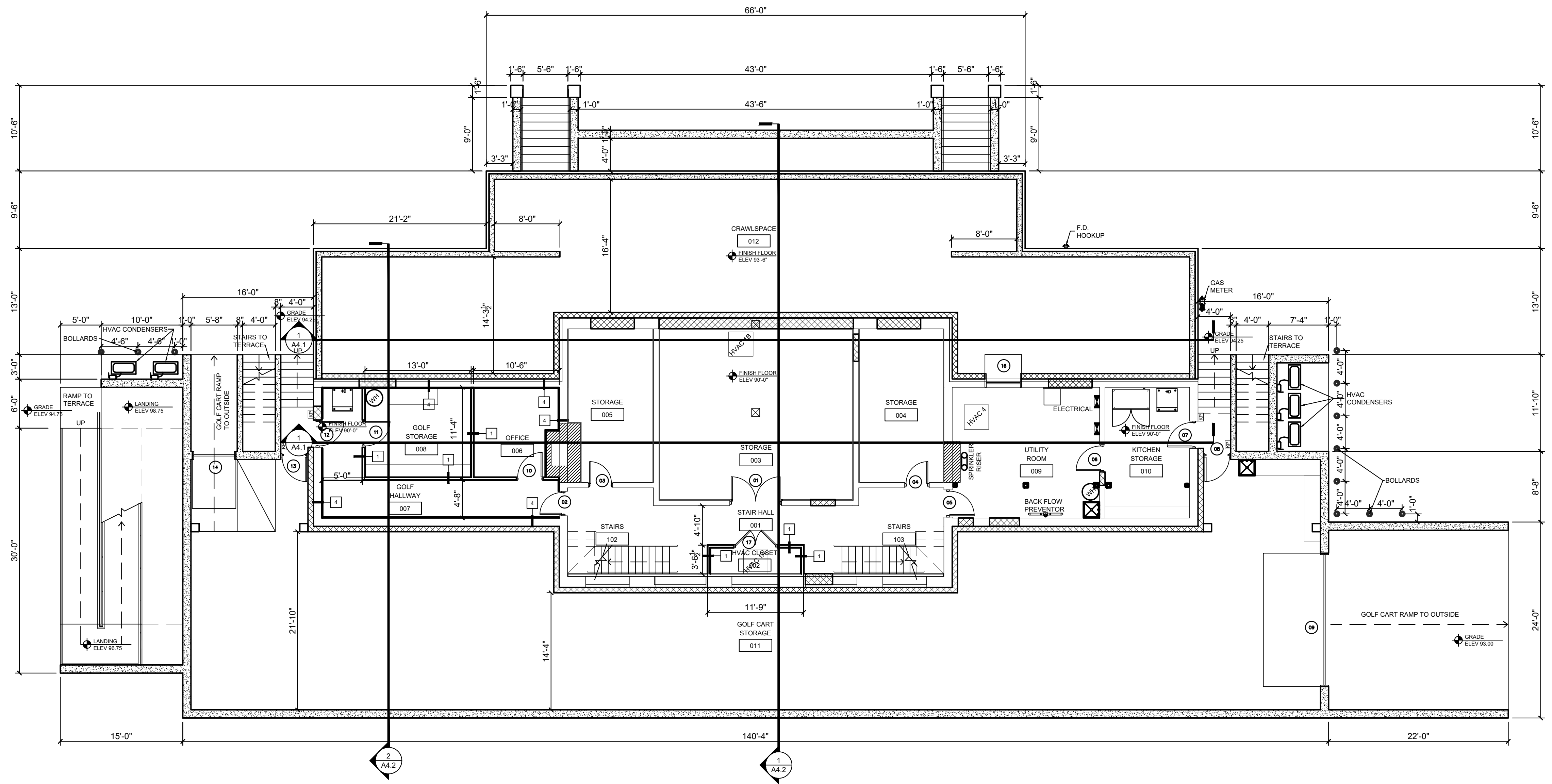
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**D. SANDERS**  
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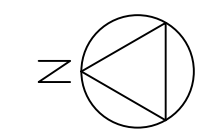
PROJECT  
**REA PARK CLUBHOUSE RENOVATIONS**

JOB NUMBER  
**2214**  
DATE  
**09/22/23**  
SHEET TITLE  
**NEW FOUNDATION PLAN**

SHEET  
**A-1**

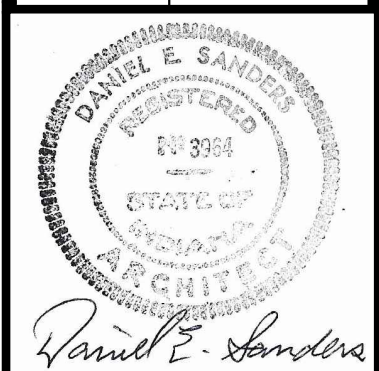


1  
A-2.1 NEW BASEMENT PLAN  
SCALE: 1/8" = 1'-0"



KEY	
	NEW POURED CONCRETE
	NEW CONCRETE BLOCK

REVISIONS	
NO.	DATE



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**D. SANDERS**

**Sanders and Associates, Inc.**  
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 TERRE HAUTE, INDIANA 47807  
 PHONE (812) 232-5256

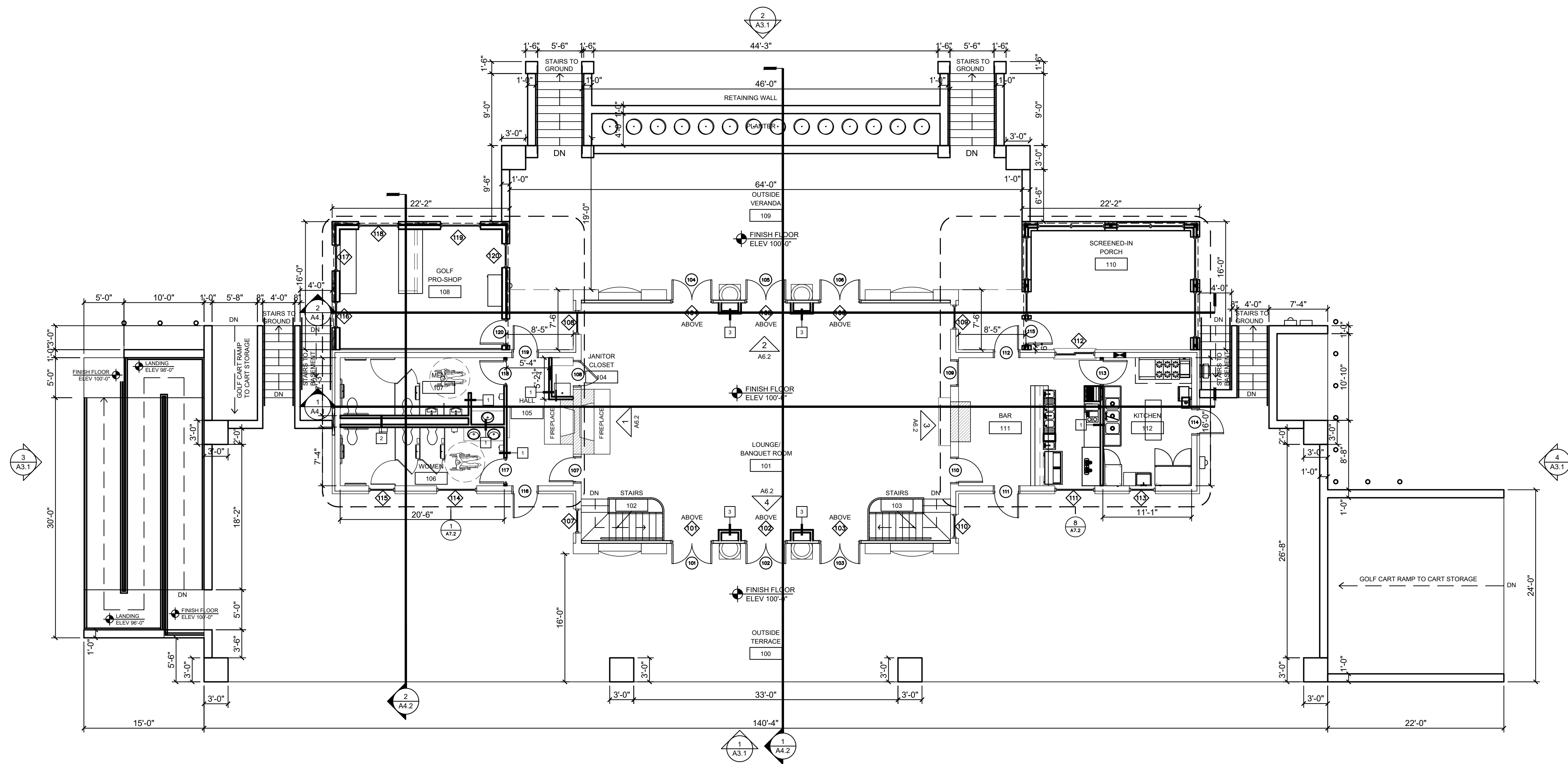
PROJECT  
**REA PARK CLUBHOUSE**  
**RENOVATIONS**

JOB NUMBER  
**2214**

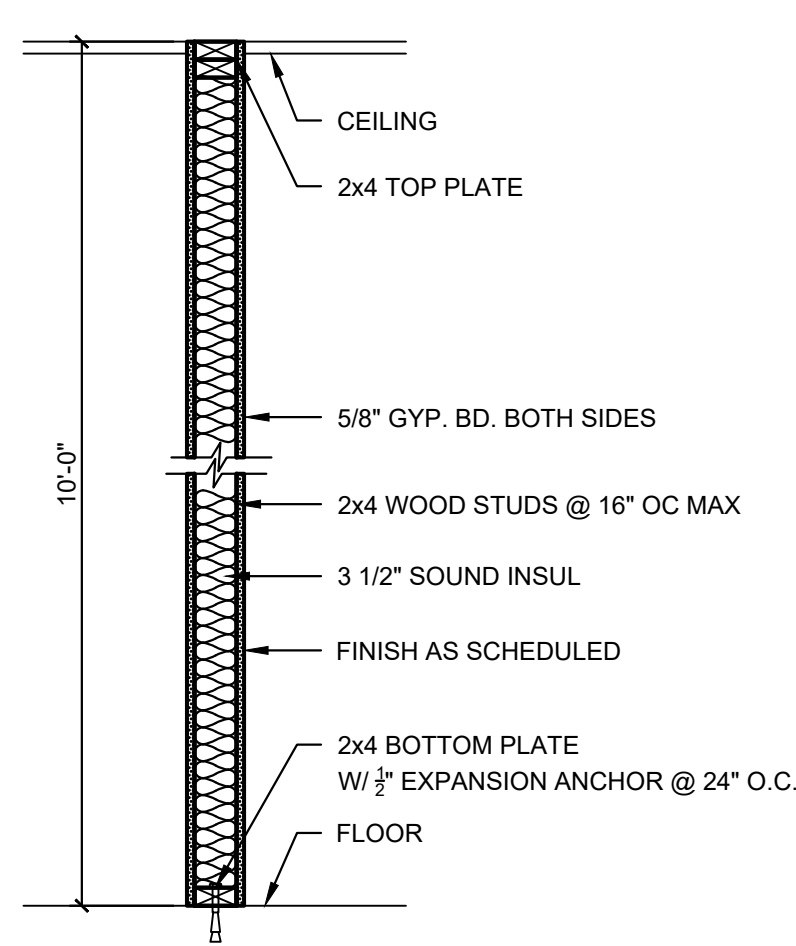
DATE  
**09/22/23**

SHEET TITLE  
**NEW BASEMENT PLAN**

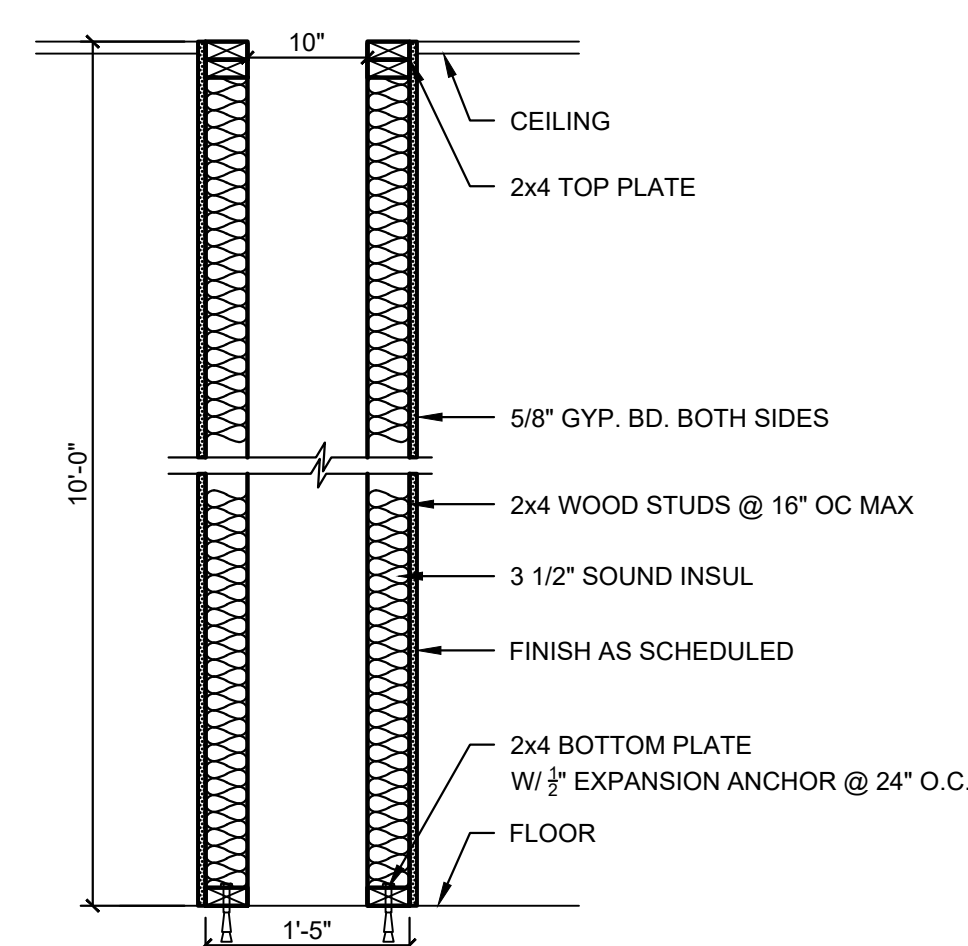
SHEET  
**A-2.1**



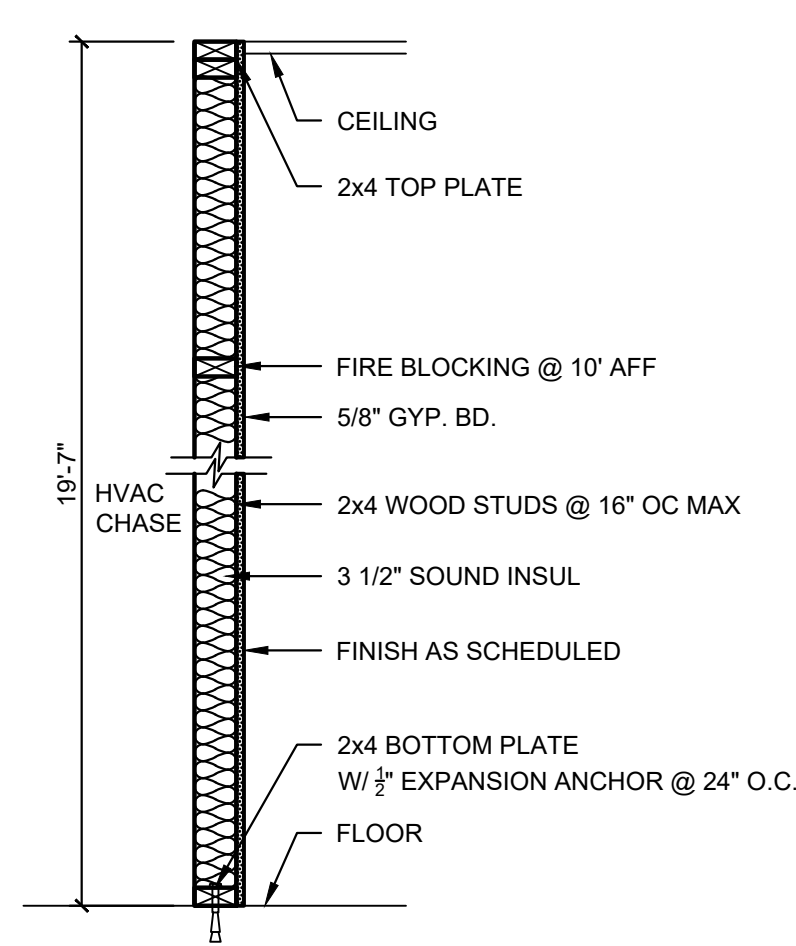
1 NEW 1ST FLOOR PLAN  
 SCALE: 1/8" = 1'-0"



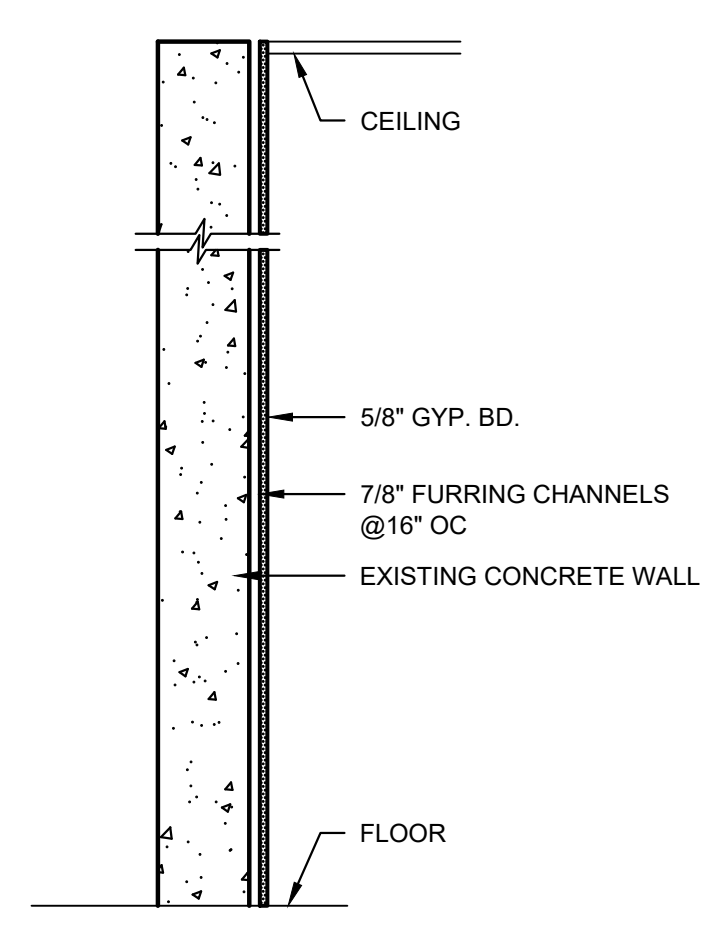
1 NON-RATED INTERIOR WALL



2 NON-RATED INTERIOR PLUMBING WALL



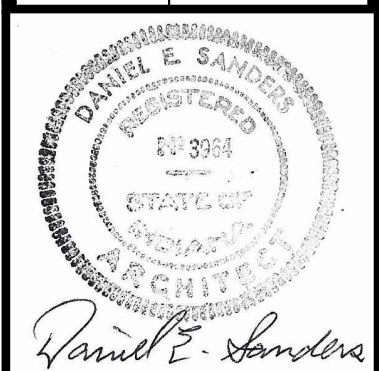
3 NON-RATED CHASE WALL



4 NON-RATED FURRED WALL

2 NEW INTERIOR WALL TYPES  
 SCALE: 3/4" = 1'-0"

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NO.	DATE



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 300 SOUTH WILSON STREET  
 TERRE HAUTE, INDIANA 47807  
 PHONE (812) 232-5556

PROJECT  
**REA PARK CLUBHOUSE**  
**RENOVATIONS**

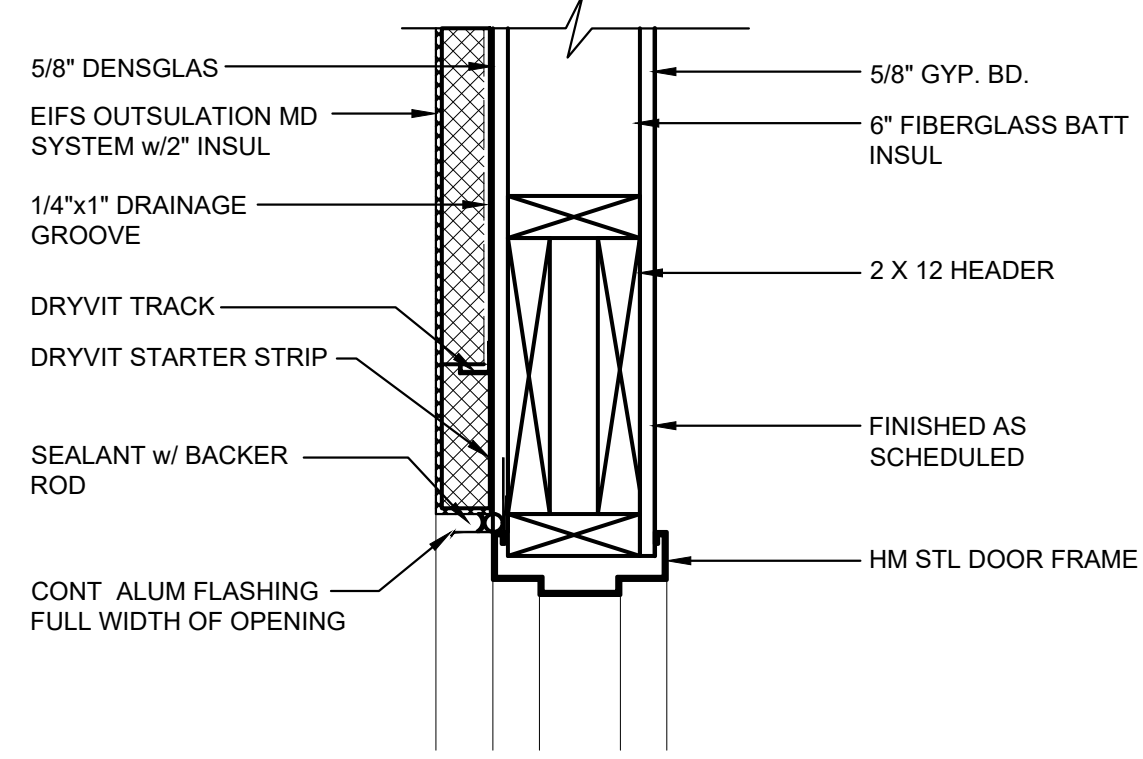
JOB NUMBER  
**2214**  
 DATE  
**09/22/23**  
 SHEET TITLE  
**NEW 1ST FLOOR PLAN**  
 SHEET

**A-2.2**



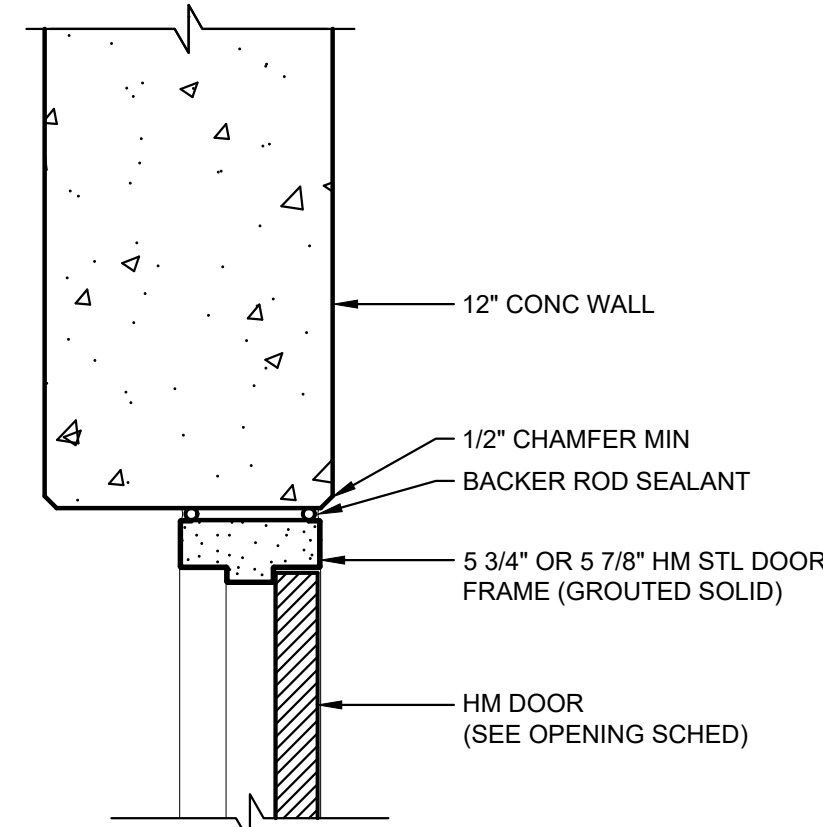






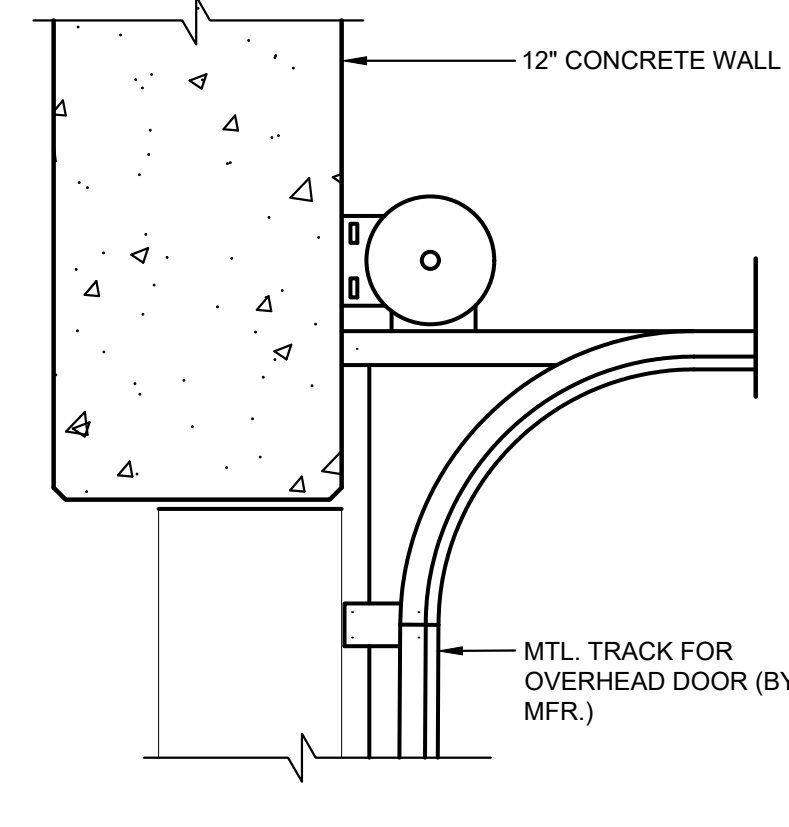
1 NEW EXT. DOOR HEAD DETAIL

A-2.5 SCALE: 1-1/2" = 1'-0"



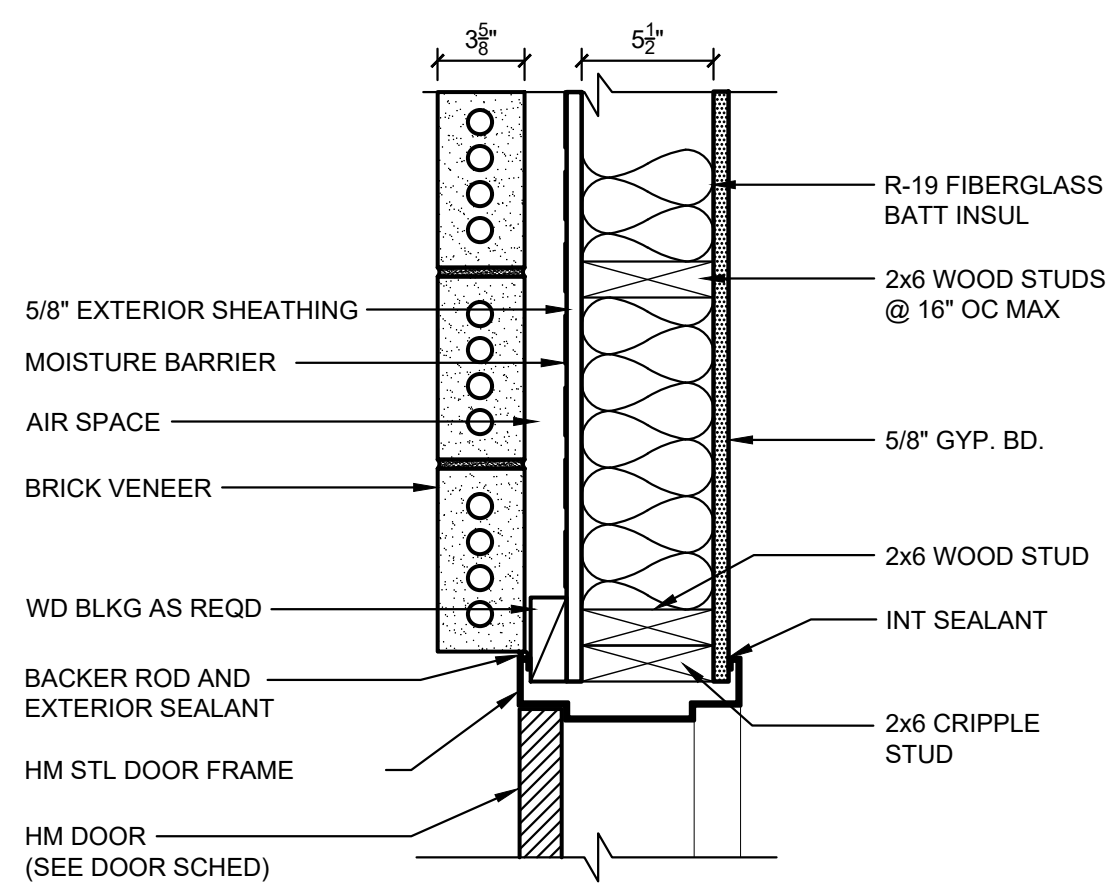
3 NEW EXT. DOOR HEAD DETAIL

A-2.5 SCALE: 1-1/2" = 1'-0"



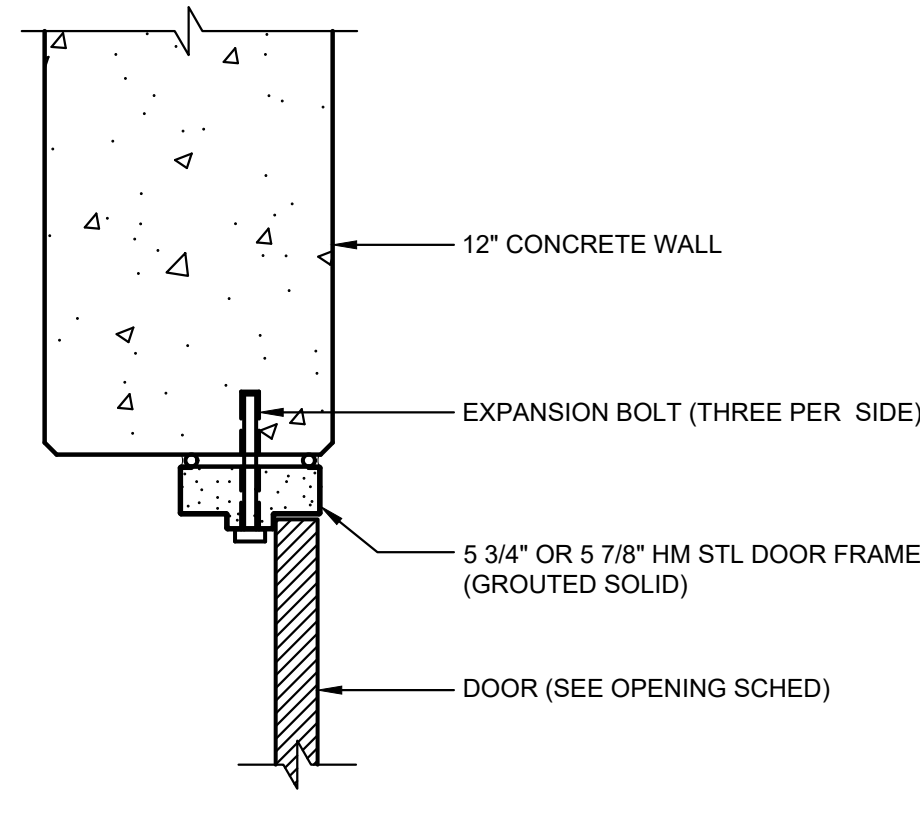
5 NEW EXT. DOOR HEAD DETAIL

A-2.5 SCALE: 1-1/2" = 1'-0"



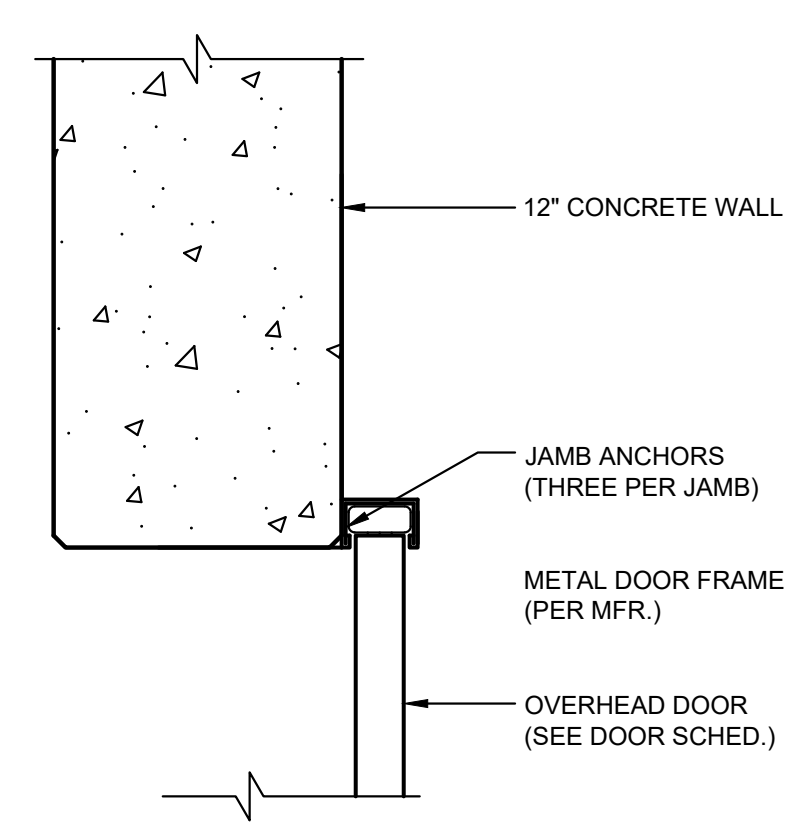
2 NEW EXT. DOOR JAMB DETAIL

A-2.5 SCALE: 1-1/2" = 1'-0"



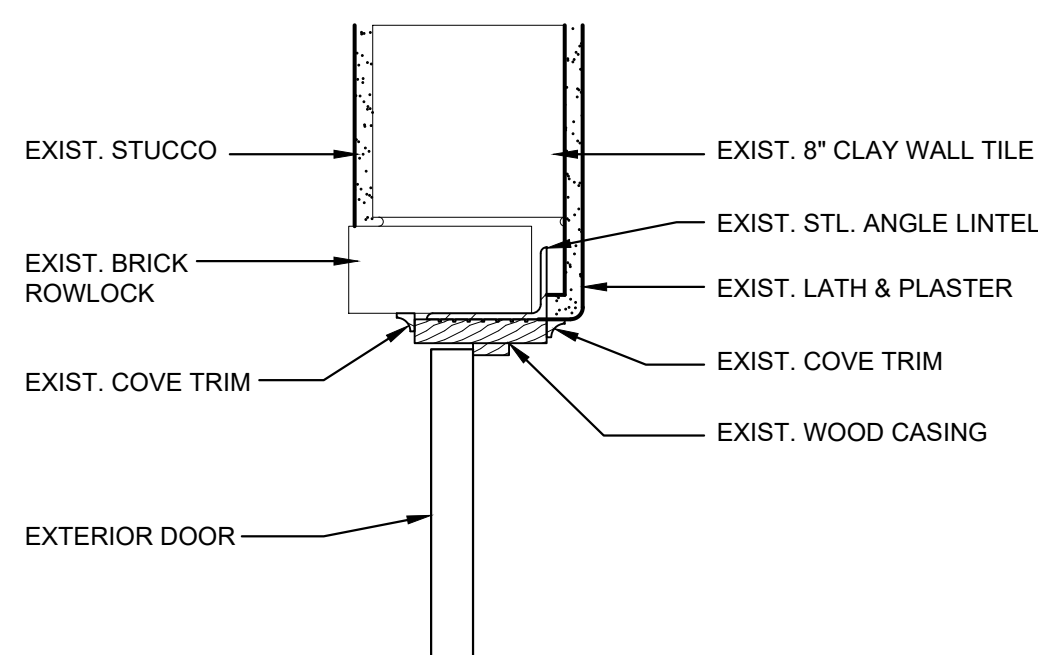
4 NEW EXT. DOOR JAMB DETAIL

A-2.5 SCALE: 1-1/2" = 1'-0"



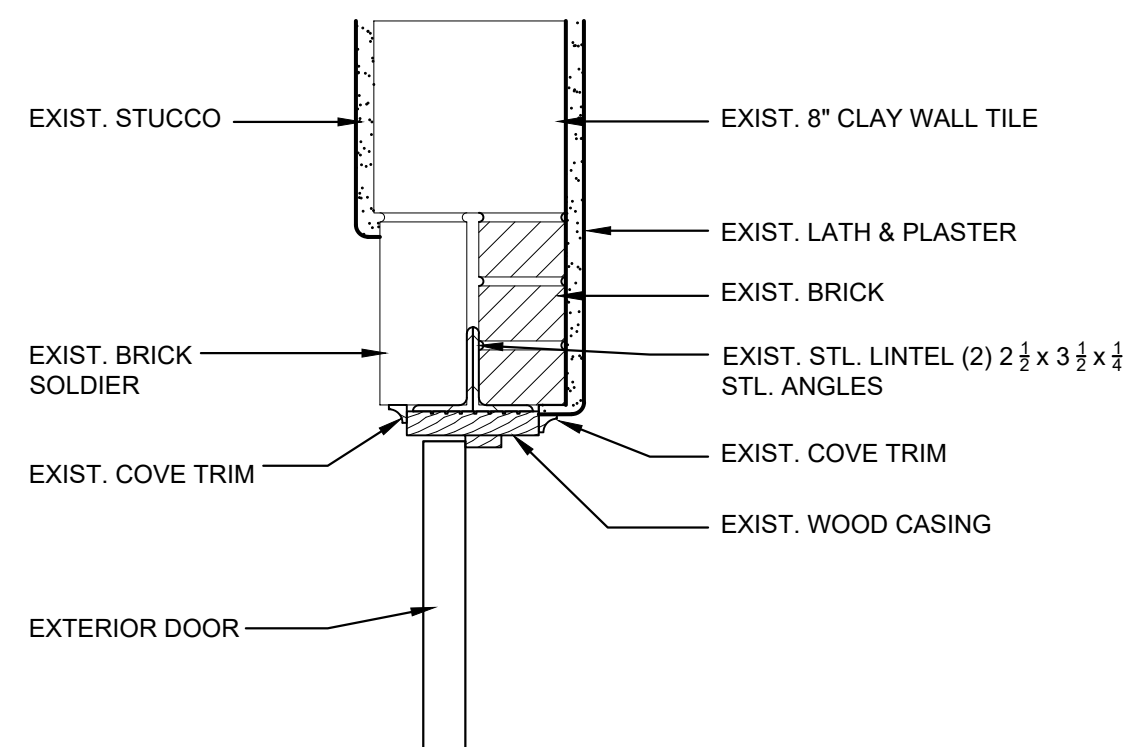
6 NEW EXT. DOOR JAMB DETAIL

A-2.5 SCALE: 1-1/2" = 1'-0"



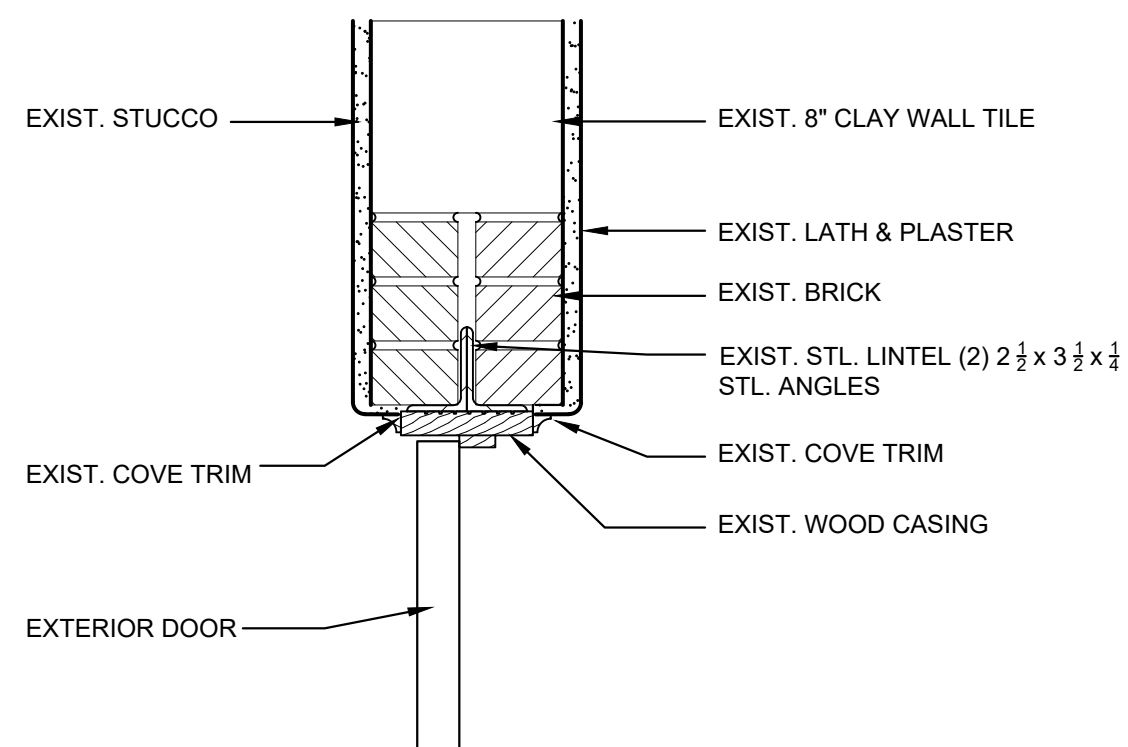
9 EXIST. EXT. DOOR HEAD DETAIL

A-2.5 SCALE: 1-1/2" = 1'-0"



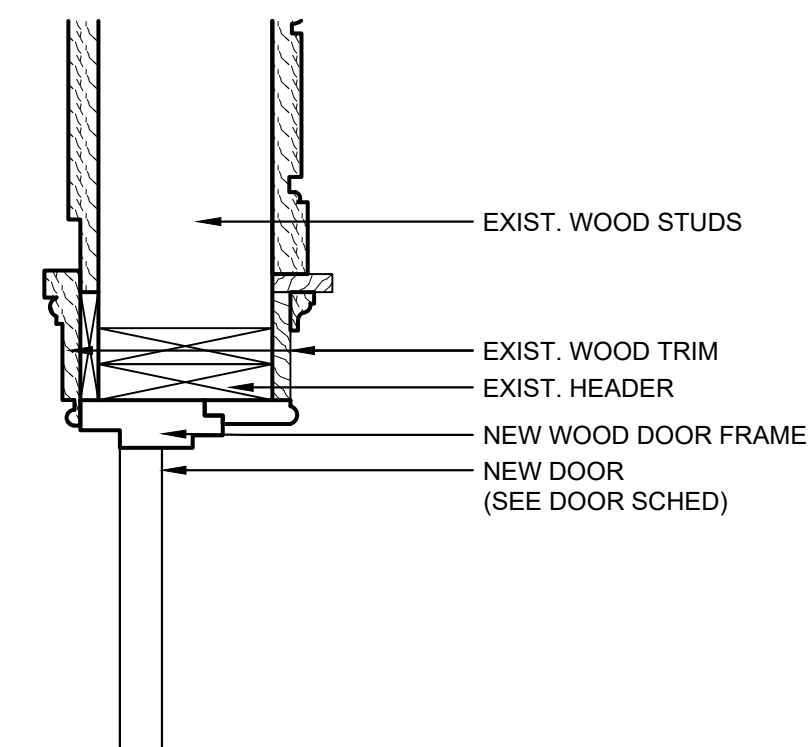
11 EXIST. EXT. DOOR HEAD DETAIL

A-2.5 SCALE: 1-1/2" = 1'-0"



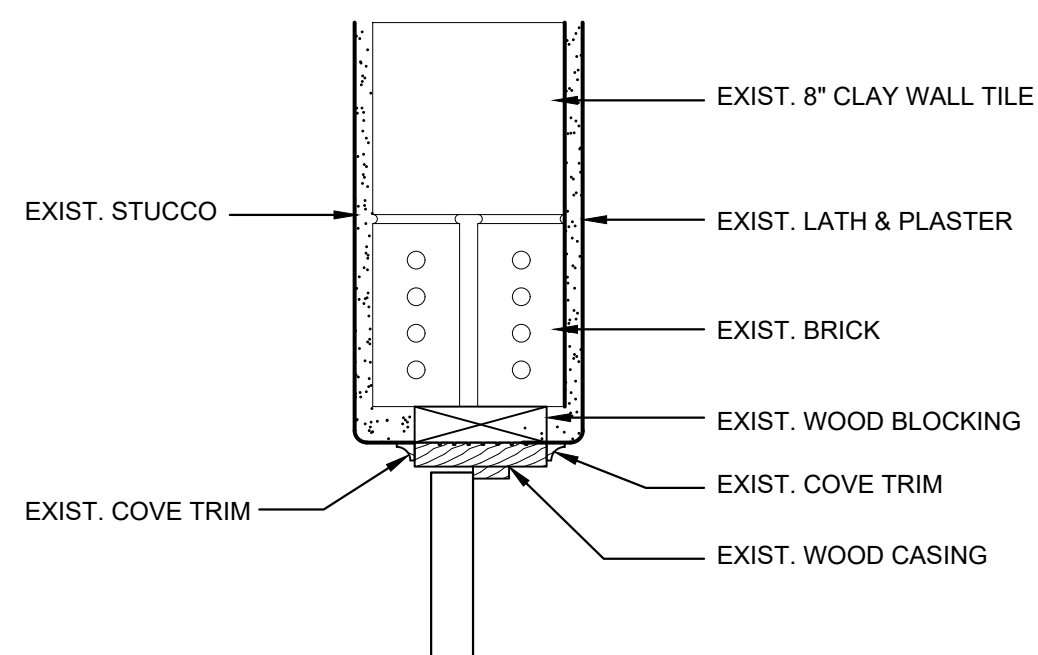
13 EXIST. EXT. DOOR HEAD DETAIL

A-2.5 SCALE: 1-1/2" = 1'-0"



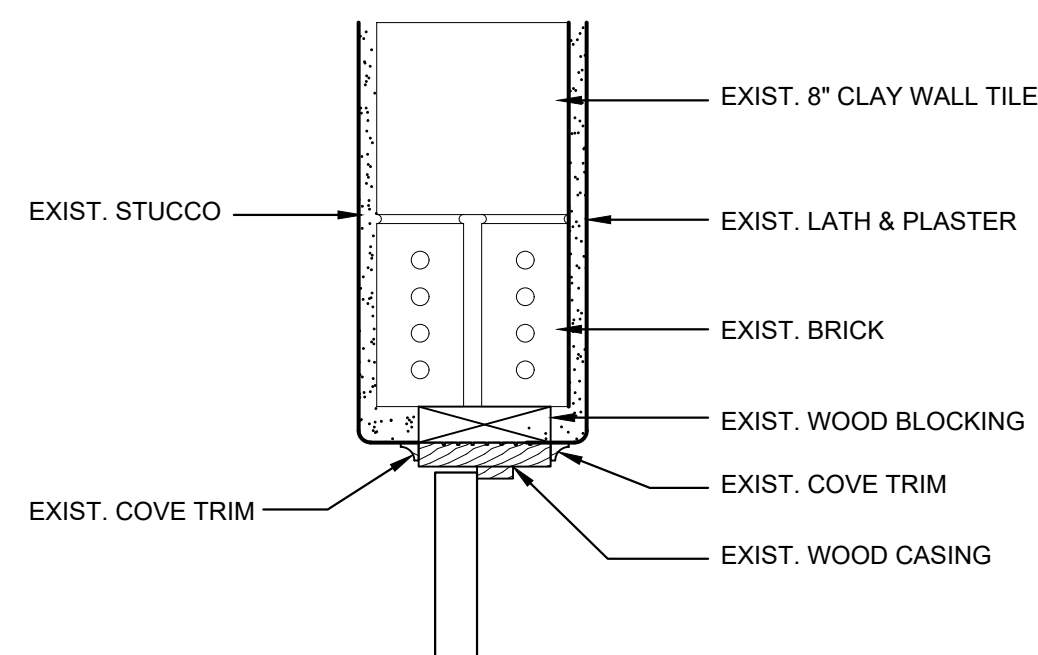
15 EXIST. EXT. DOOR HEAD DETAIL

A-2.5 SCALE: 1-1/2" = 1'-0"



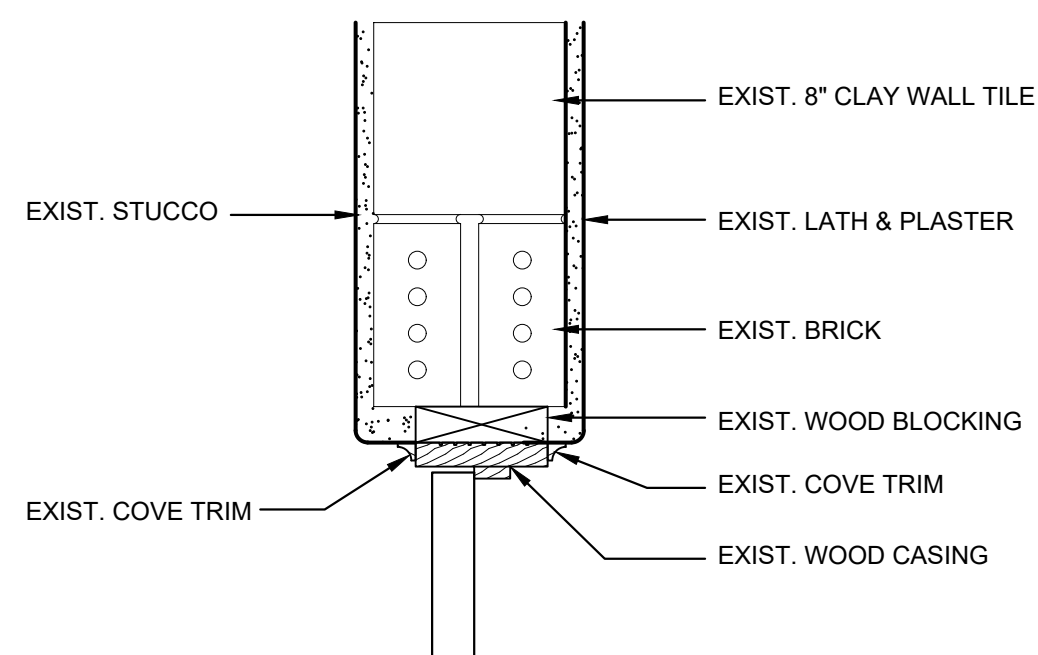
10 EXIST. EXT. DOOR JAMB DETAIL

A-2.5 SCALE: 1-1/2" = 1'-0"



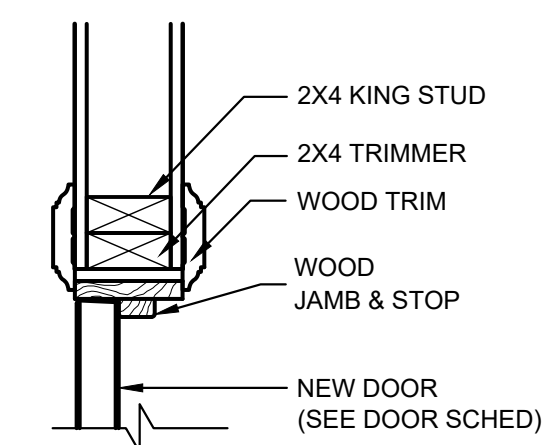
12 EXIST. EXT. DOOR JAMB DETAIL

A-2.5 SCALE: 1-1/2" = 1'-0"



14 EXIST. EXT. DOOR JAMB DETAIL

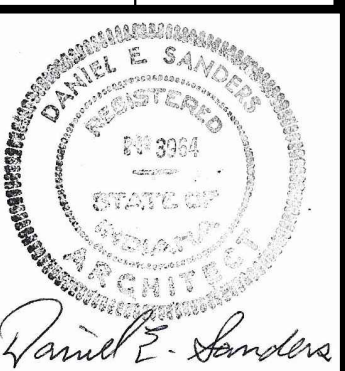
A-2.5 SCALE: 1-1/2" = 1'-0"



16 EXIST. EXT. DOOR JAMB DETAIL

A-2.5 SCALE: 1-1/2" = 1'-0"

REVISIONS	
NO.	DATE



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**D. SANDERS**

DRAWN BY  
**AJ/DC**

CHECKED BY  
**D. SANDERS**



PROJECT  
**REA PARK CLUBHOUSE**  
RENOVATIONS

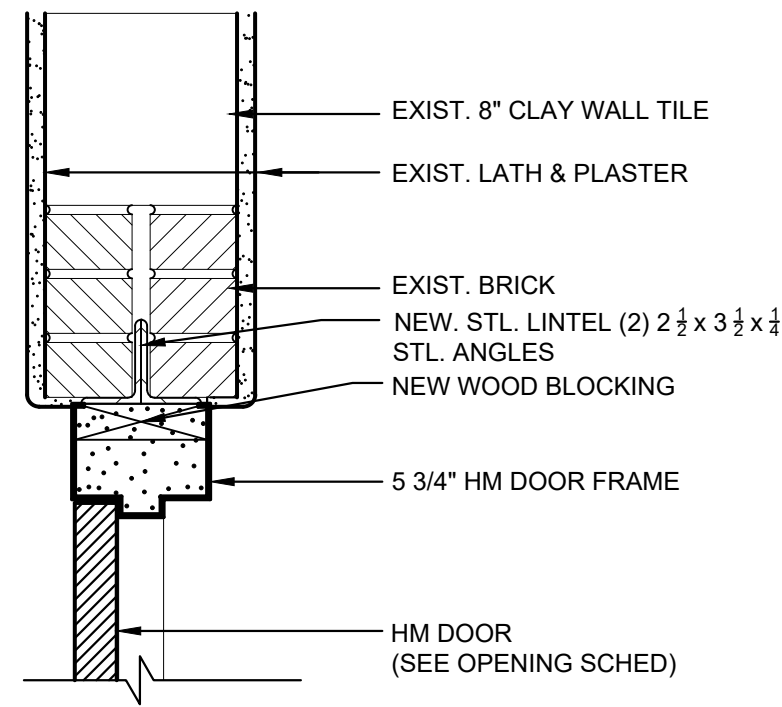
JOB NUMBER  
**2214**

DATE  
**09/22/23**

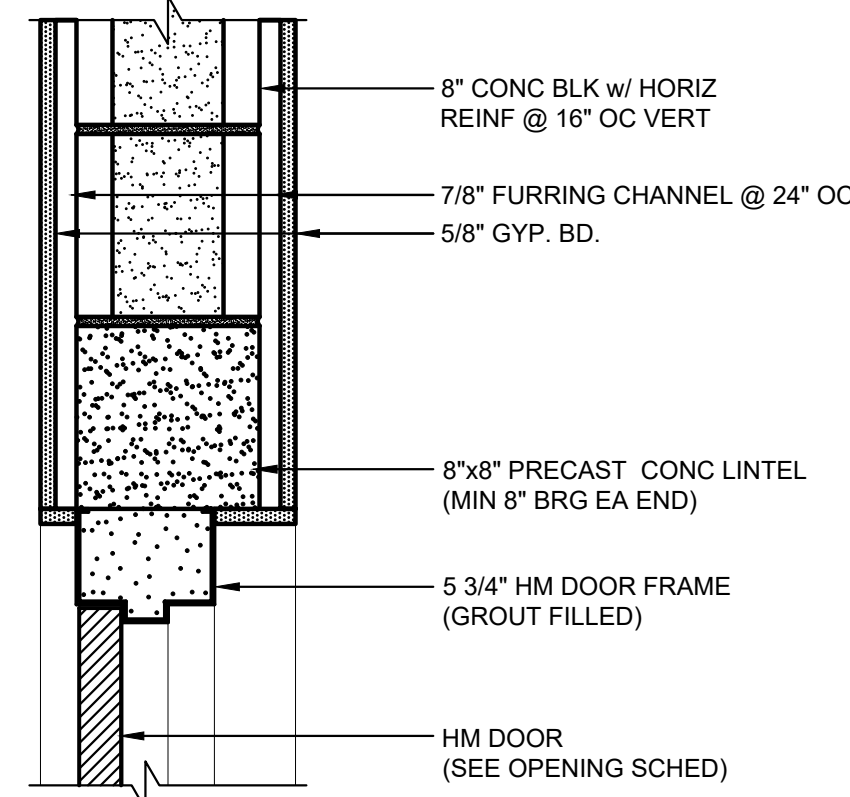
SHEET TITLE  
**EXTERIOR DOOR**

SHEET  
**DETAILS**

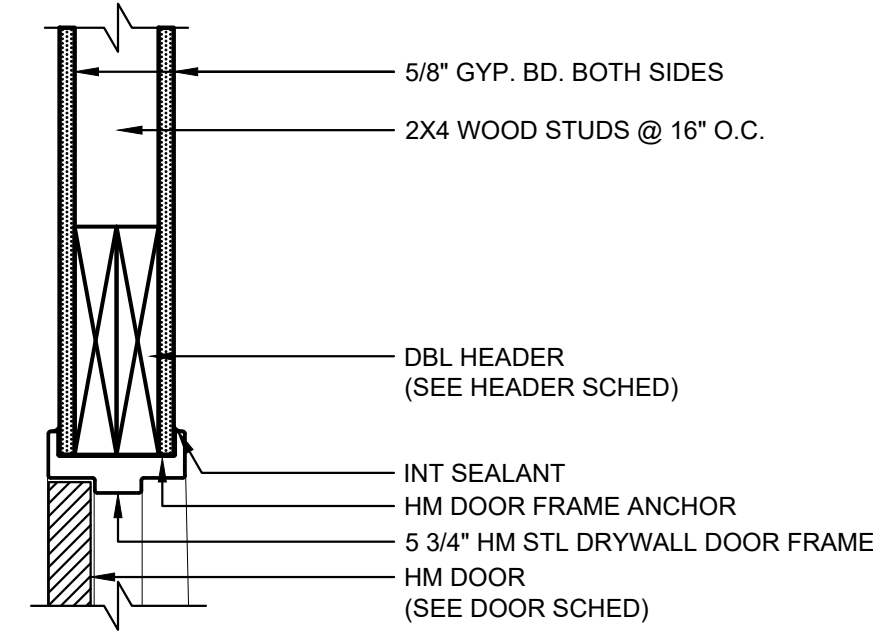
**A-2.5**



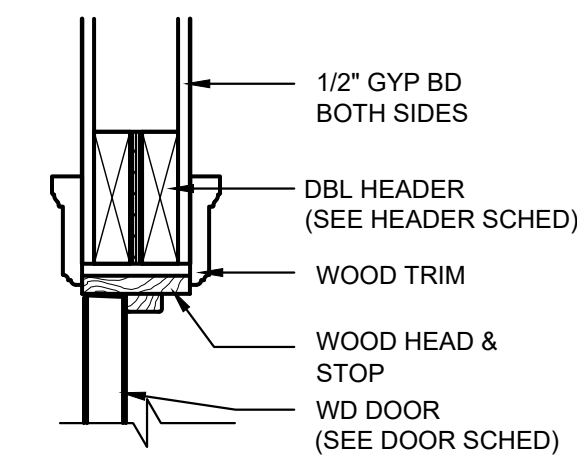
1  
A-2.6  
EXIST. INT. DOOR HEAD DETAIL  
SCALE: 1-1/2" = 1'-0"



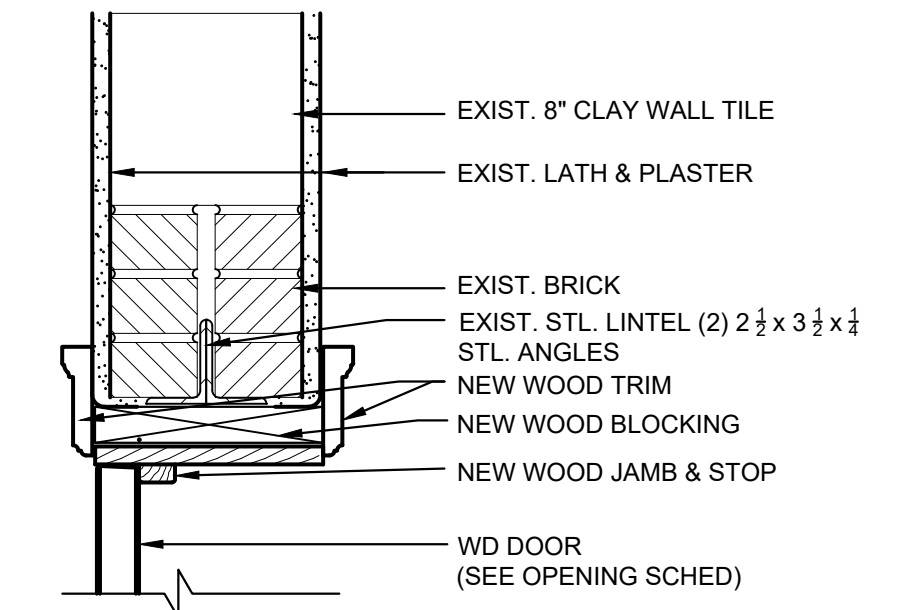
3  
A-2.6  
NEW INT. DOOR HEAD DETAIL-CMU  
SCALE: 1-1/2" = 1'-0"



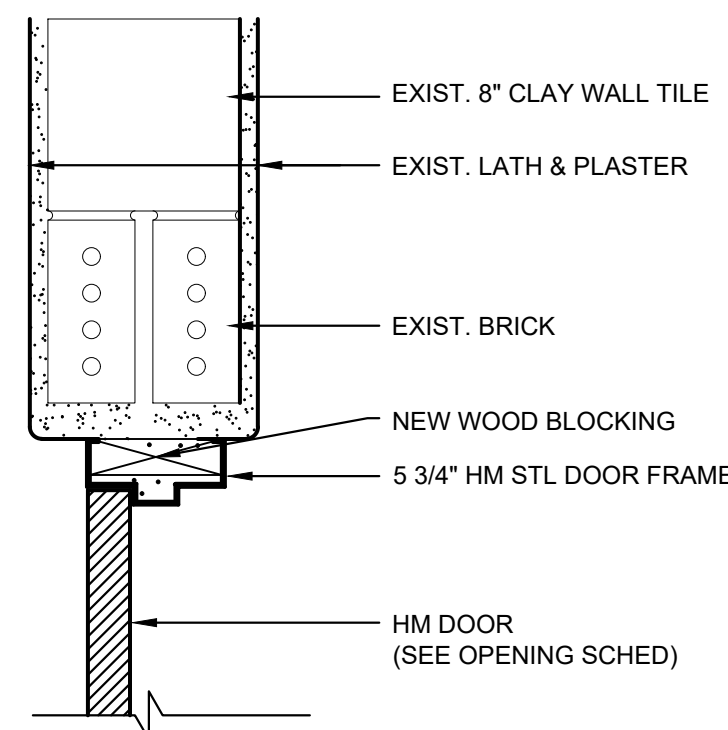
5  
A-2.6  
NEW INT. HM DOOR HEAD DETAIL  
SCALE: 1-1/2" = 1'-0"



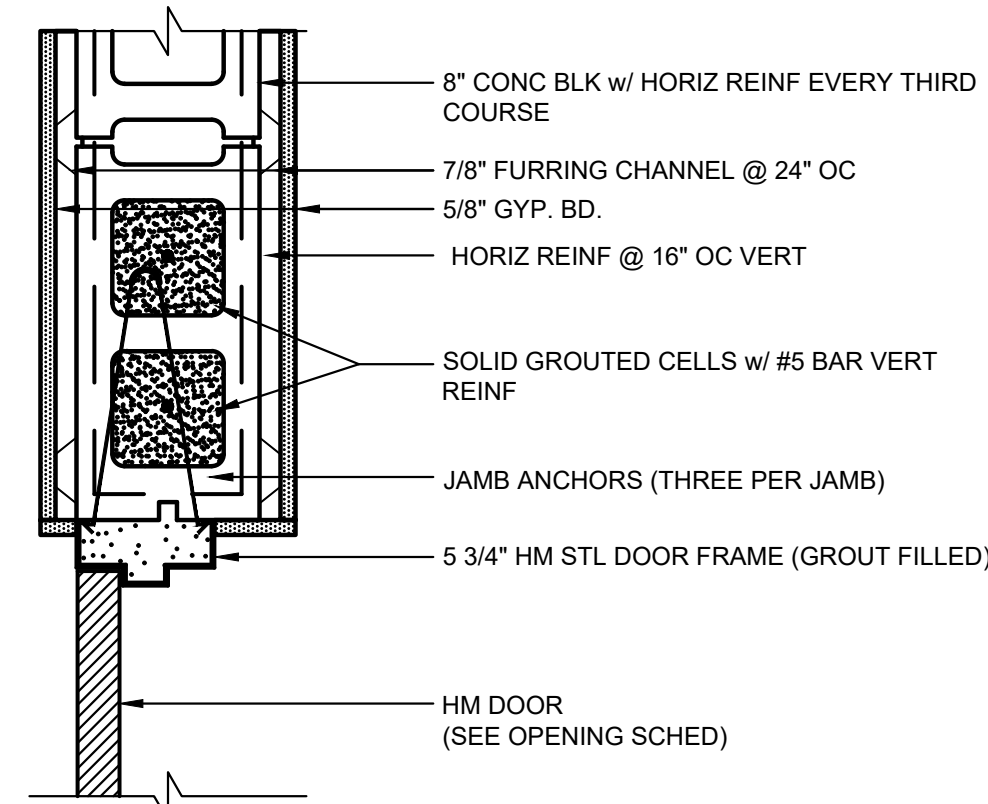
7  
A-2.6  
NEW INT. WD DOOR HEAD DETAIL  
SCALE: 1-1/2" = 1'-0"



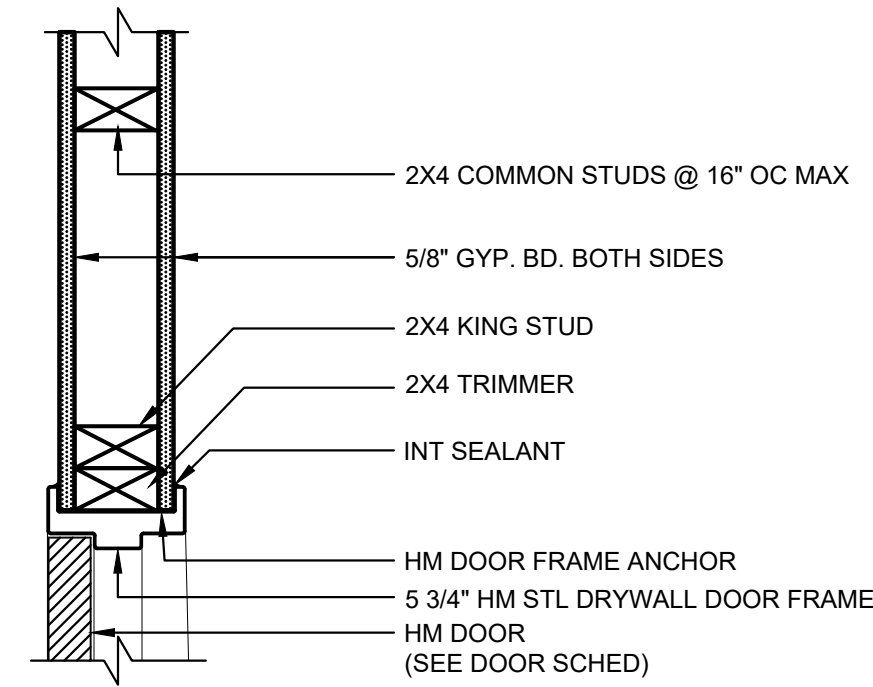
9  
A-2.6  
EXIST. INT. DOOR HEAD DETAIL  
SCALE: 1-1/2" = 1'-0"



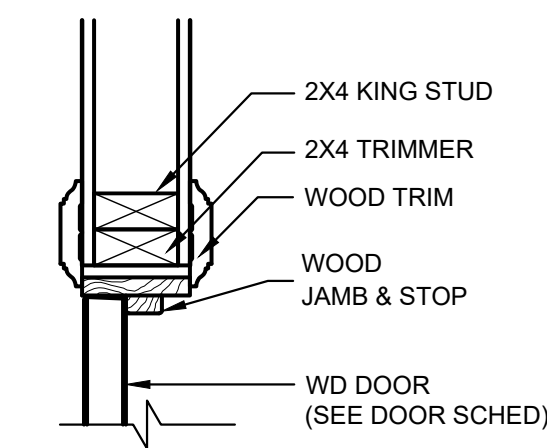
2  
A-2.6  
EXIST. INT. DOOR JAMB DETAIL  
SCALE: 1-1/2" = 1'-0"



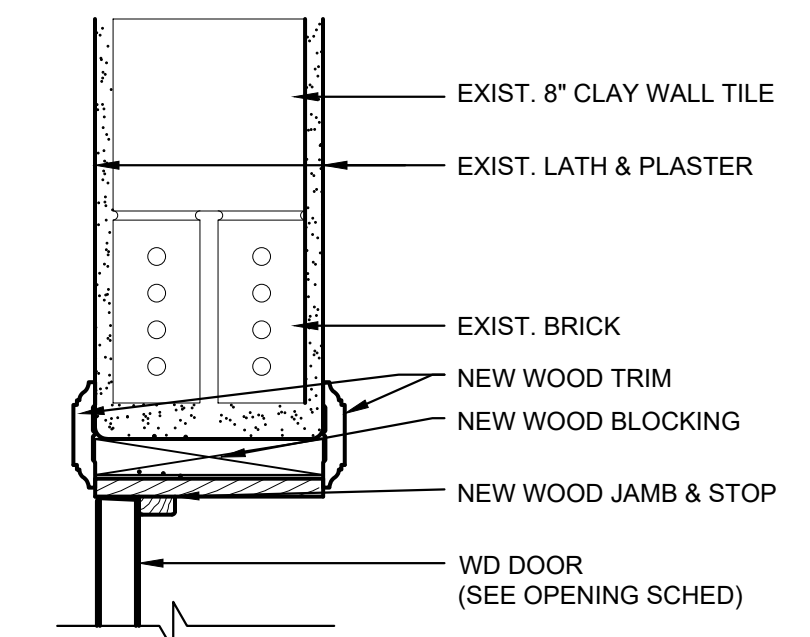
4  
A-2.6  
NEW INT. DOOR JAMB DETAIL-CMU  
SCALE: 1-1/2" = 1'-0"



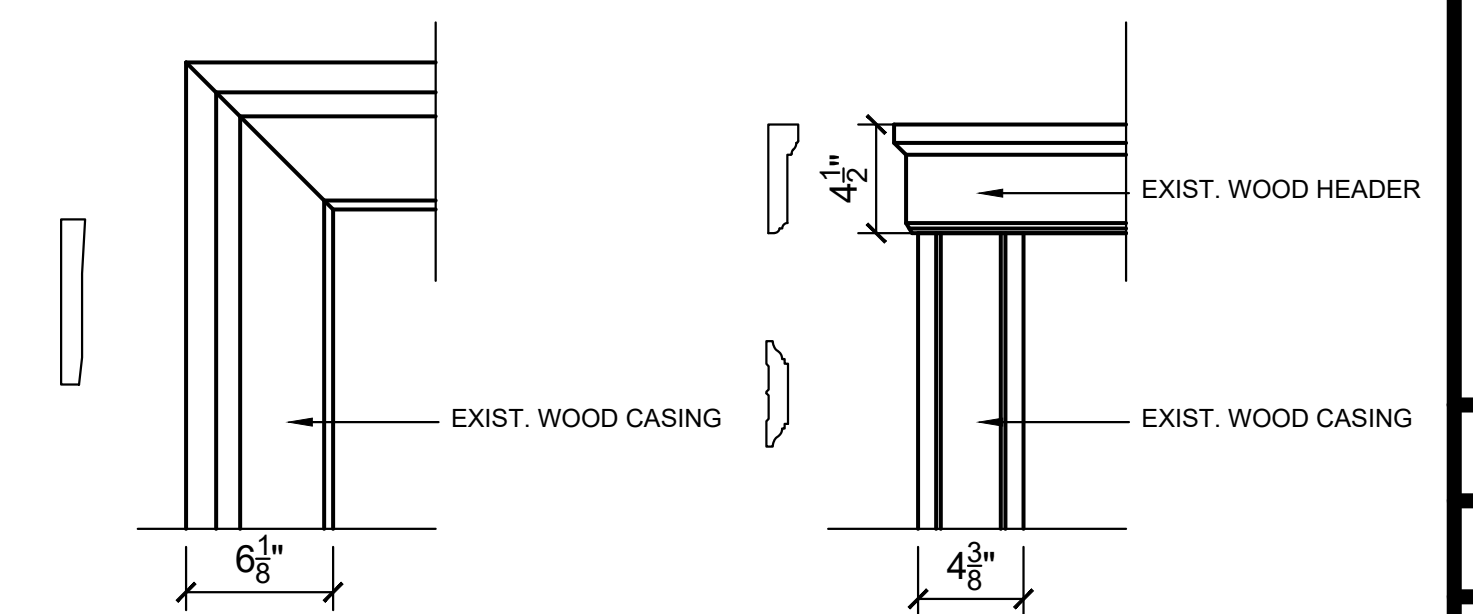
6  
A-2.6  
NEW INT. HM DOOR JAMB DETAIL  
SCALE: 1-1/2" = 1'-0"



8  
A-2.6  
NEW INT. WD DOOR JAMB DETAIL  
SCALE: 1-1/2" = 1'-0"



10  
A-2.6  
EXIST. INT. DOOR JAMB DETAIL  
SCALE: 1-1/2" = 1'-0"



11  
A-2.6  
DOOR CASING PROFILES  
SCALE: 1-1/2" = 1'-0"  
\*ALL NEW OR REPLACEMENT CASING TO MATCH ORIGINAL PROFILES

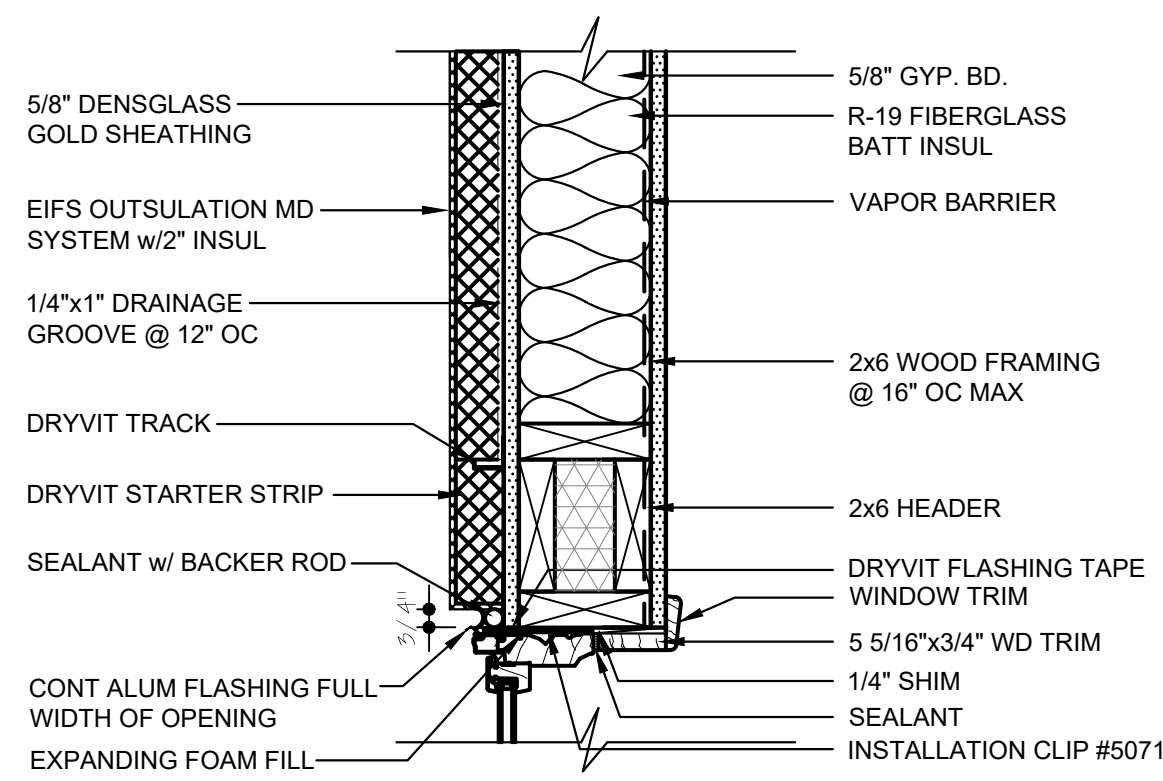
REVISIONS	
NO.	DATE

CERTIFIED BY  
**D. SANDERS**  
 DRAWN BY  
**AJ/DC**  
 CHECKED BY  
**D. SANDERS**

**Sanders and Associates, Inc.**  
 308 SOUTH WILSON STREET  
 TERRE HAUTE, INDIANA 47807  
 PHONE (812) 232-5256

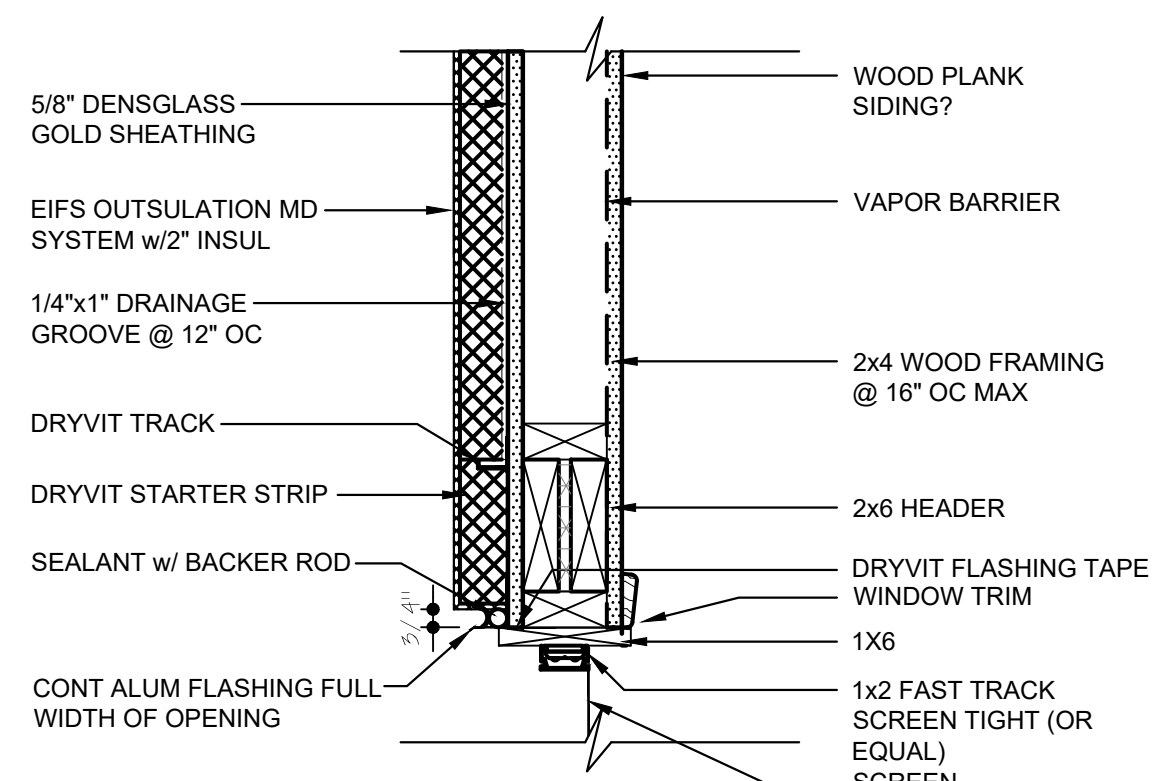
PROJECT  
**REA PARK CLUBHOUSE RENOVATIONS**

JOB NUMBER  
**2214**  
 DATE  
**09/22/23**  
 SHEET TITLE  
**INTERIOR DOOR DETAILS**  
 SHEET  
**A-2.6**



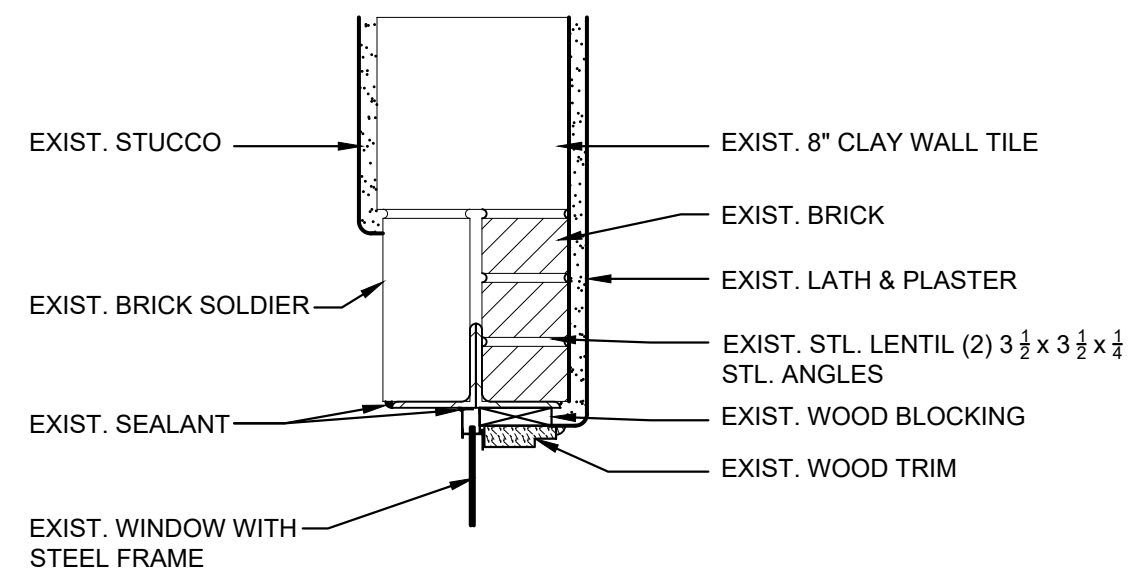
1 EXTERIOR WINDOW HEAD DETAIL

A-2.7 SCALE: 1-1/2" = 1'-0"



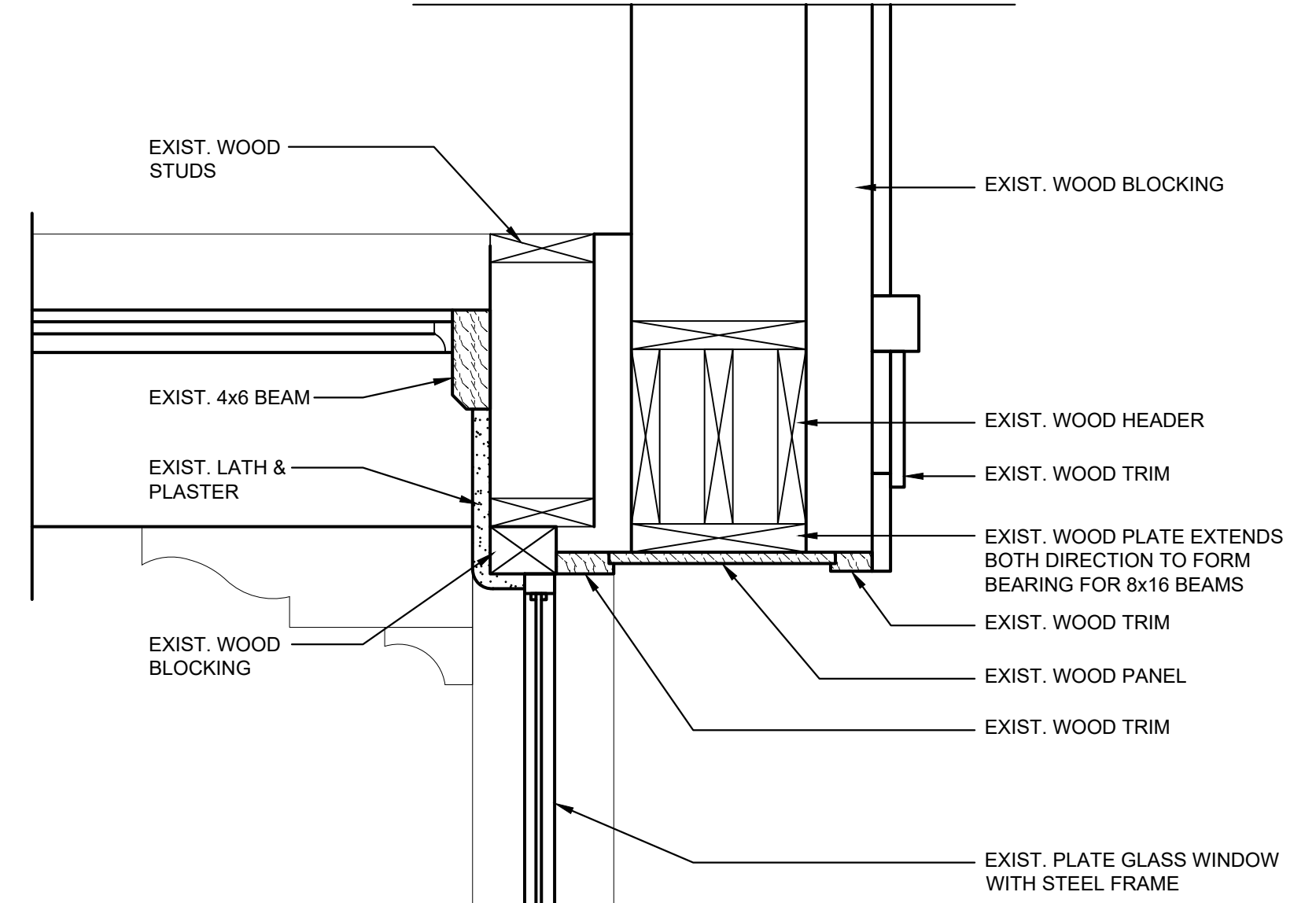
4 EXTERIOR WINDOW HEAD DETAIL

A-2.7 SCALE: 1-1/2" = 1'-0"



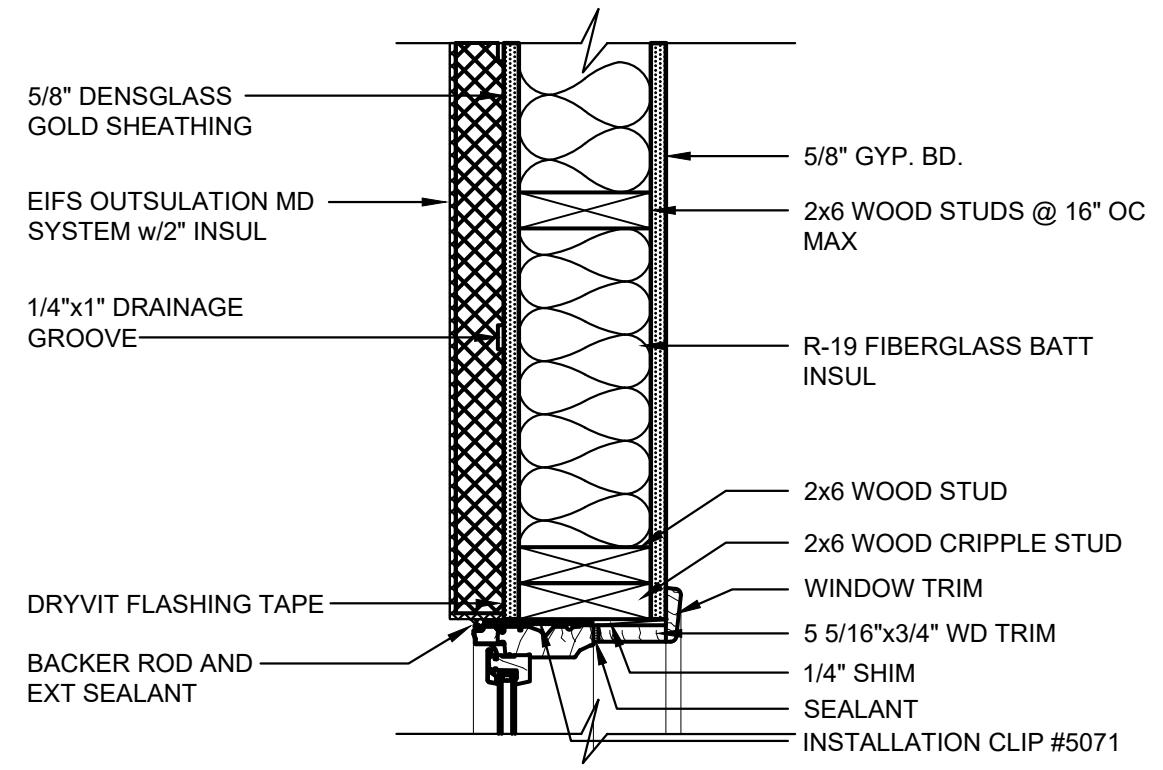
7 EXIST. EXT. WINDOW HEAD DETAIL

A-2.7 SCALE: 1-1/2" = 1'-0"



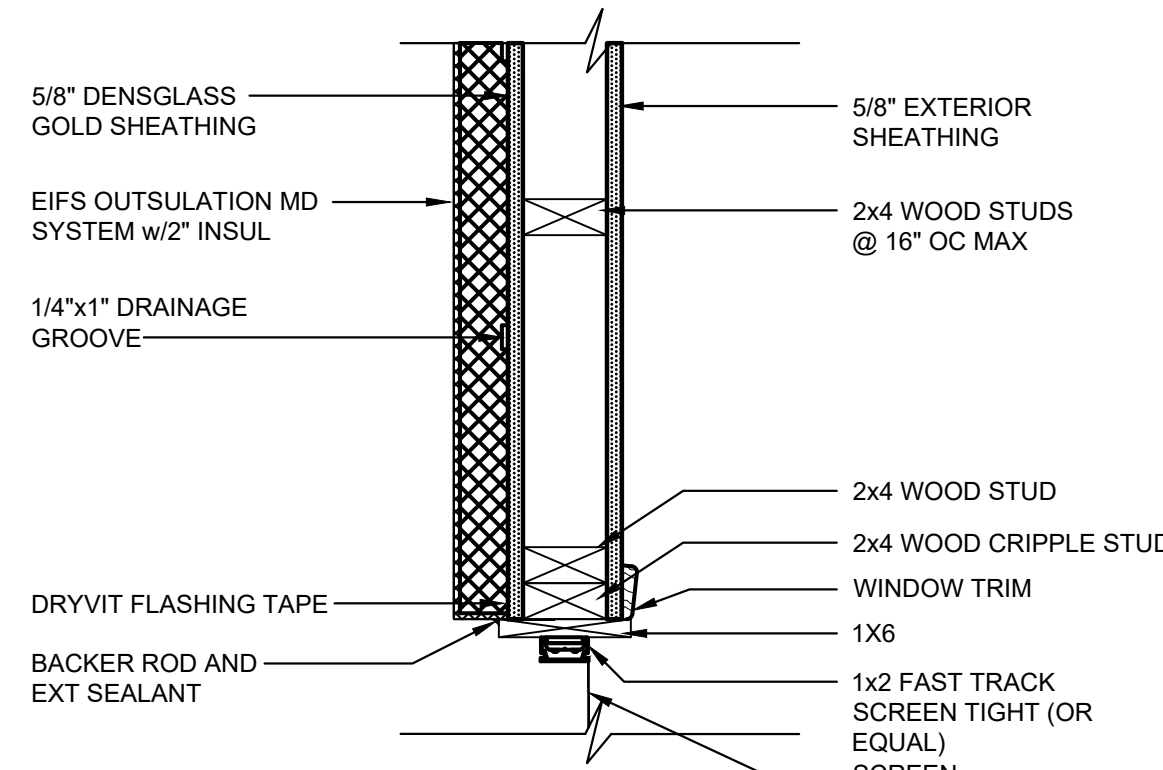
10 EXIST. EXT. WINDOW SECTION

A-2.7 SCALE: 1-1/2" = 1'-0"



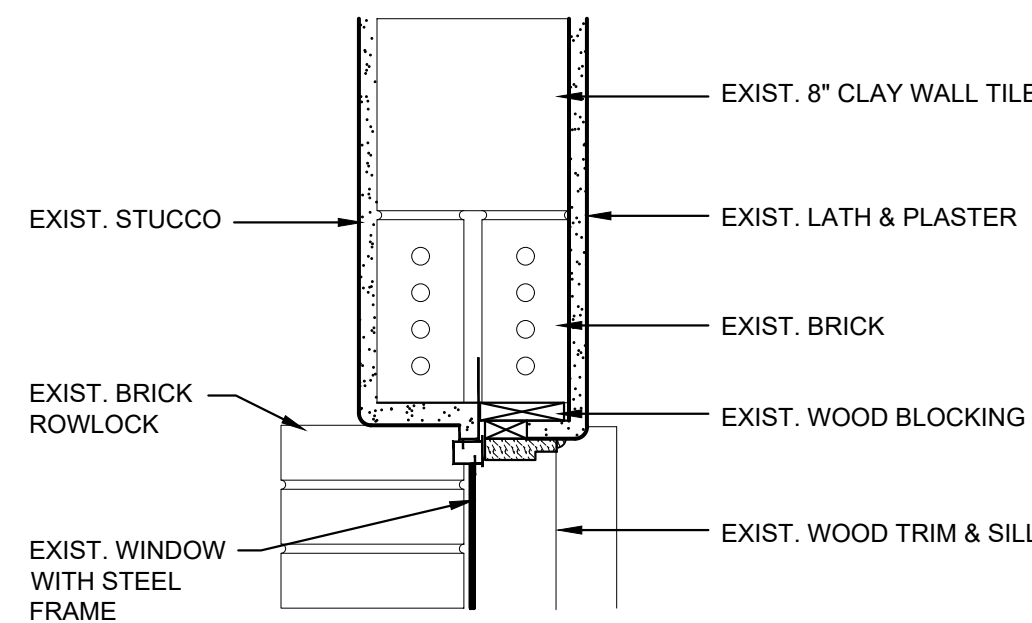
2 EXTERIOR WINDOW JAMB DETAIL

A-2.7 SCALE: 1-1/2" = 1'-0"



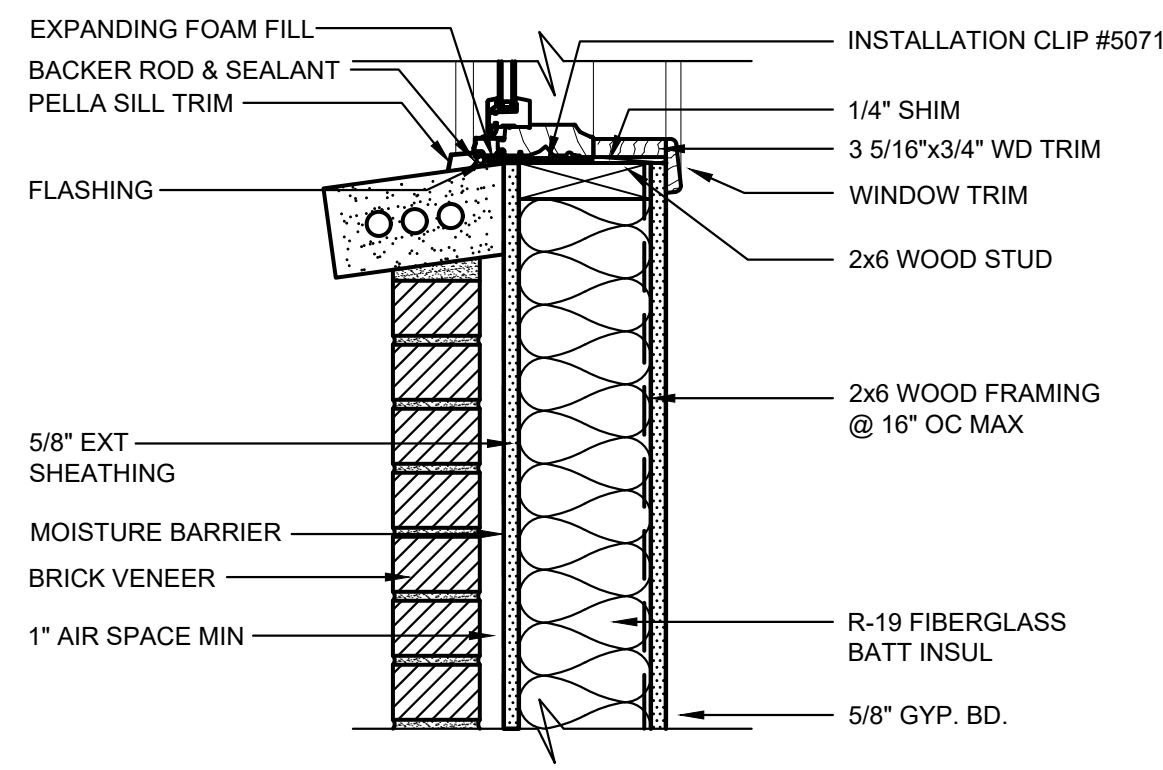
5 EXTERIOR WINDOW JAMB DETAIL

A-2.7 SCALE: 1-1/2" = 1'-0"



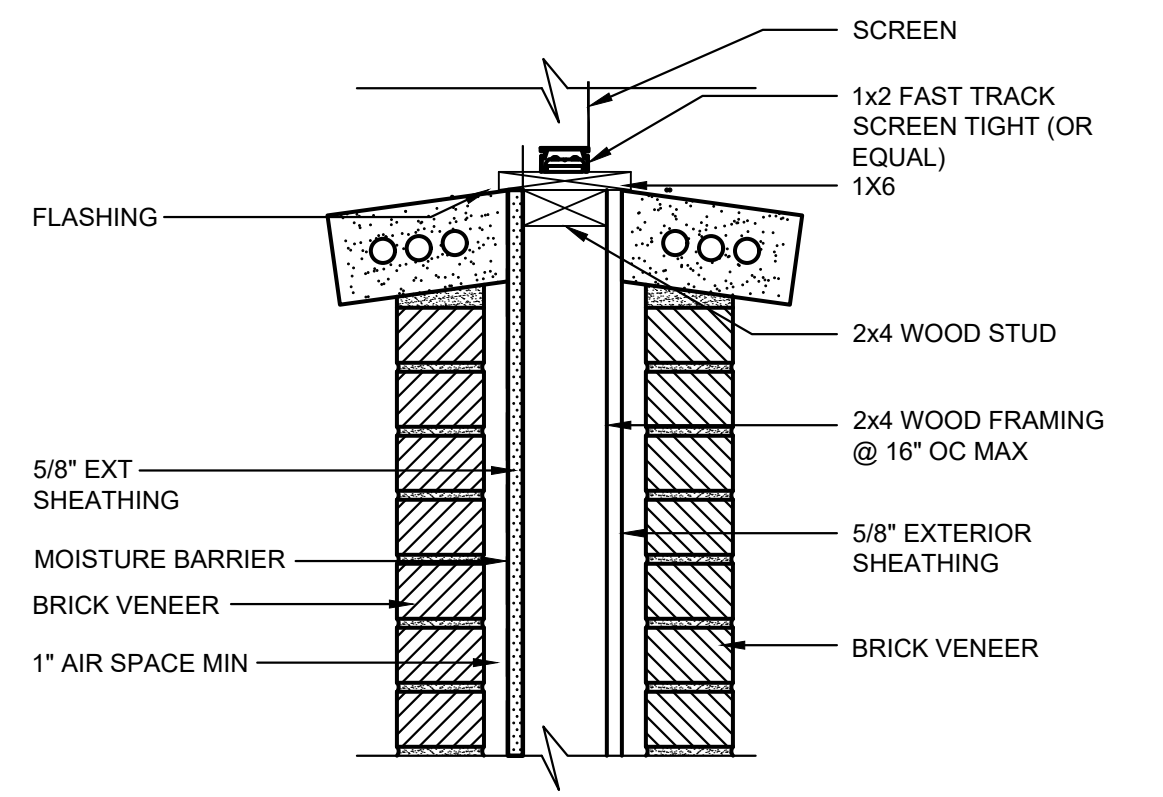
8 EXIST. EXT. WINDOW JAMB DETAIL

A-2.7 SCALE: 1-1/2" = 1'-0"



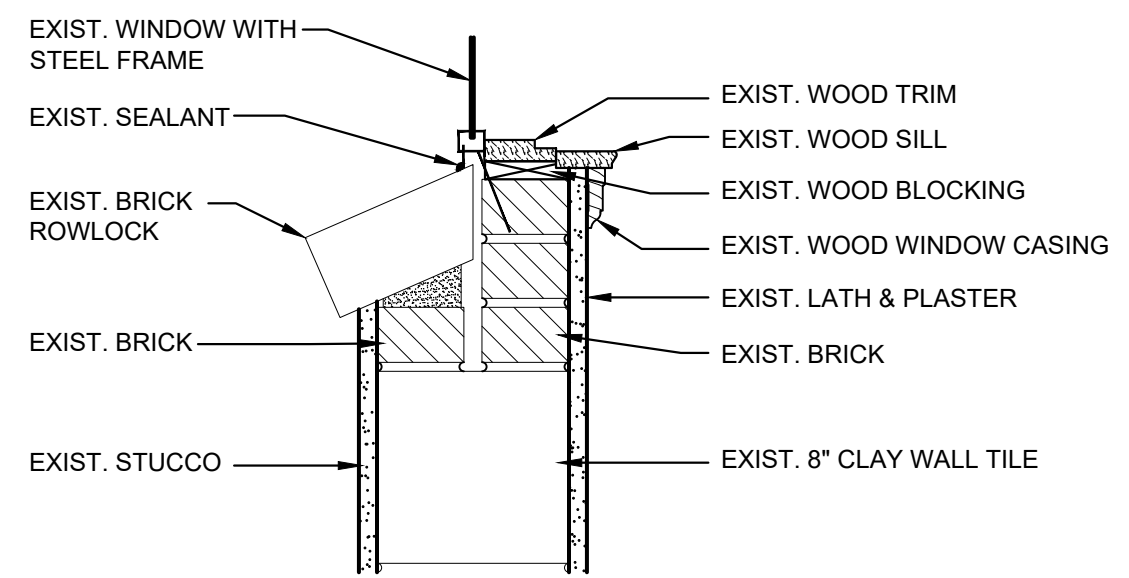
3 EXTERIOR WINDOW SILL DETAIL

A-2.7 SCALE: 1-1/2" = 1'-0"



6 EXTERIOR WINDOW SILL DETAIL

A-2.7 SCALE: 1-1/2" = 1'-0"



9 EXIST. EXT. WINDOW SILL DETAIL

A-2.7 SCALE: 1-1/2" = 1'-0"

REVISIONS	
NO.	DATE

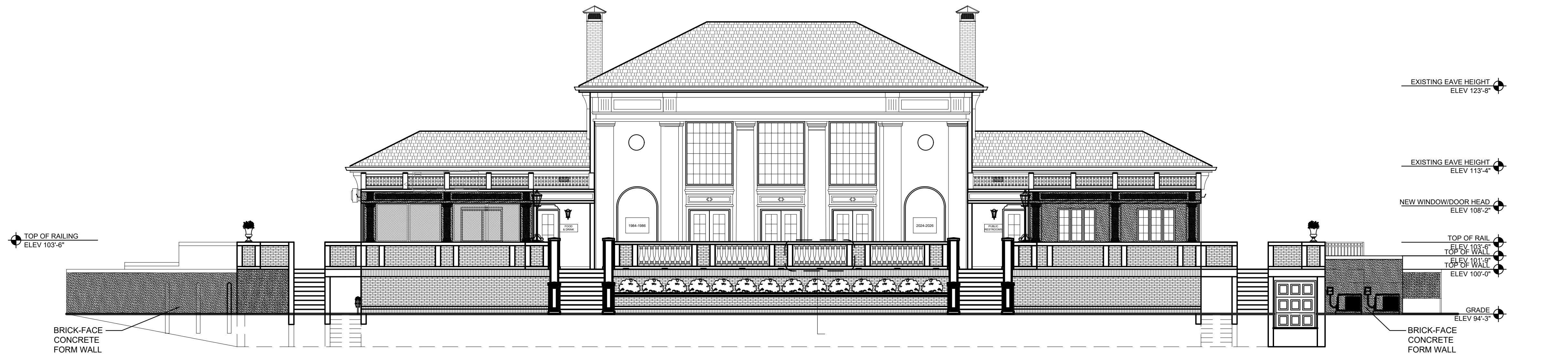
CERTIFIED BY  
**D. SANDERS**  
 DRAWN BY  
**AJ/DC**  
 CHECKED BY  
**D. SANDERS**

**Sanders and Associates, Inc.**  
 200 SOUTH WELLS STREET  
 TERRE HAUTE, INDIANA 47807  
 PHONE (812) 232-5256

PROJECT  
**REA PARK CLUBHOUSE**  
**RENOVATIONS**

JOB NUMBER  
**2214**  
 DATE  
**09/22/23**  
 SHEET TITLE  
**WINDOW DETAILS**  
 SHEET

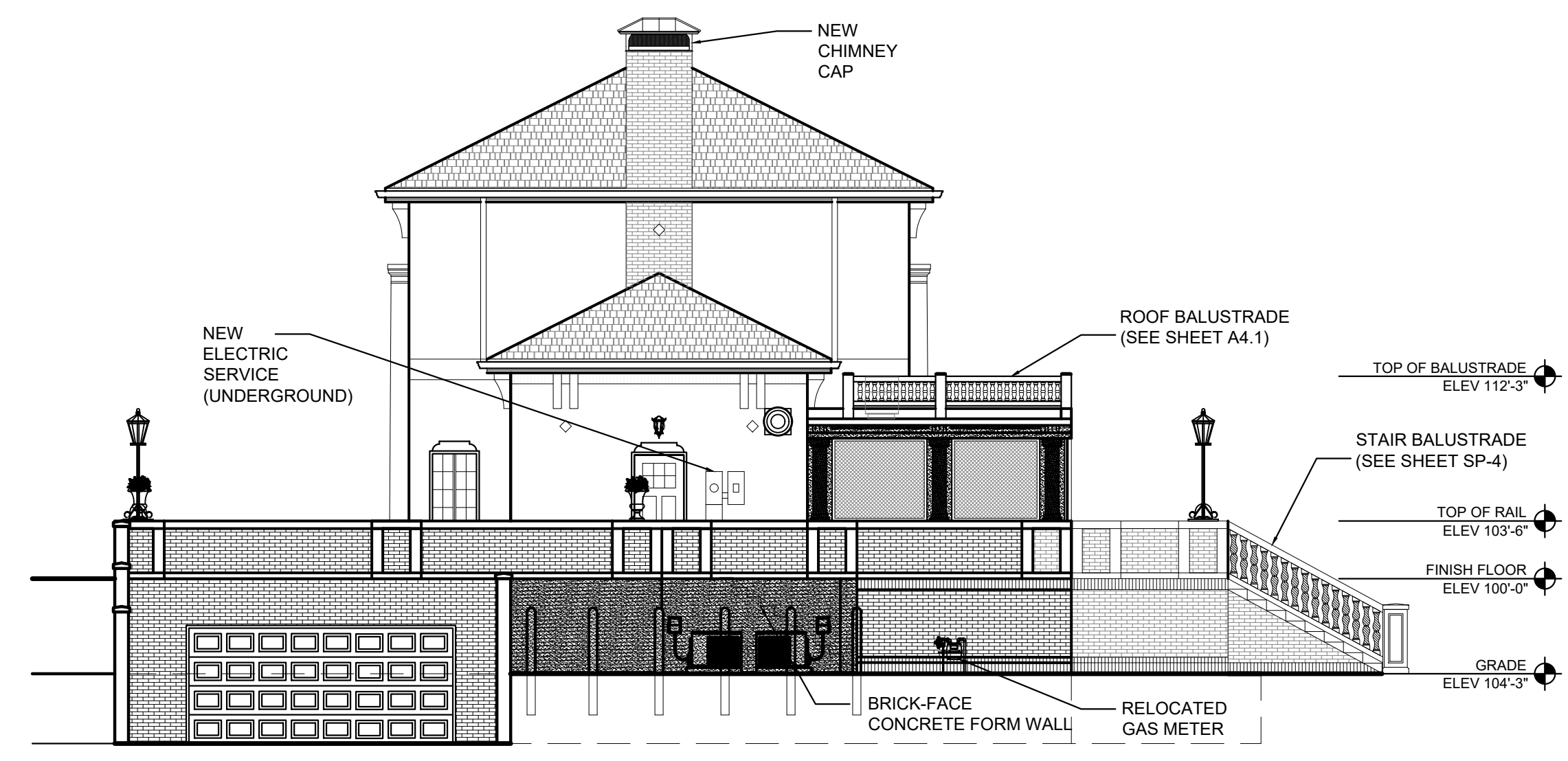
**A-2.7**



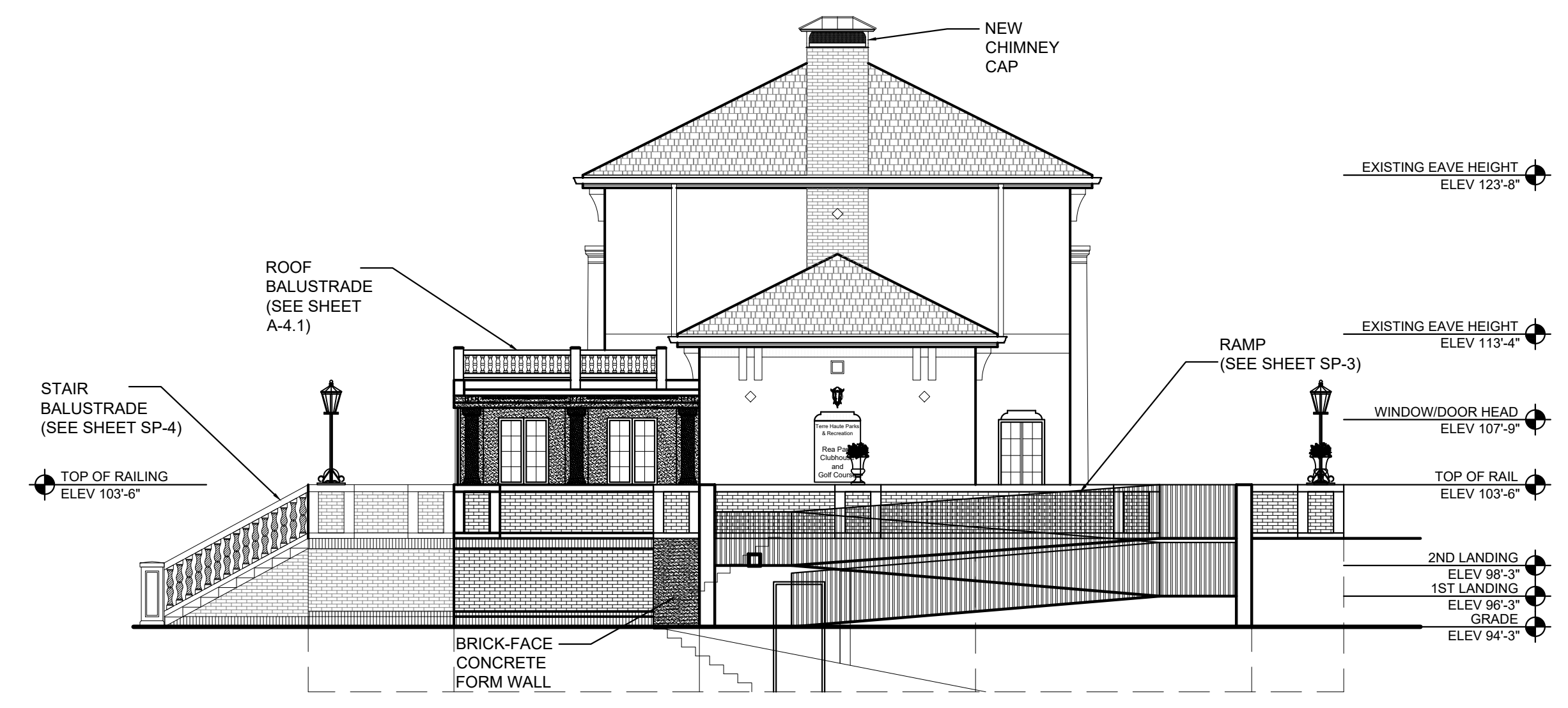
1  
A-3.1  
NEW WEST ELEVATION  
SCALE: 1/8" = 1'-0"



2  
A-3.1  
NEW EAST ELEVATION  
SCALE: 1/8" = 1'-0"



3  
A-3.1  
NEW SOUTH ELEVATION  
SCALE: 3/16" = 1'-0"



4  
A-3.1  
NEW NORTH ELEVATION  
SCALE: 1/8" = 1'-0"

- EXTERIOR FINISHES:**
- FACADE**
- ROOF:  
FULLY ADHERED .060 WHITE FIRESTONE MEMBRANE SYSTEM WITH NEW TPO FLASHINGS ON ALL PENETRATIONS AND PREFINISHED SHEET METAL COPING AND COUNTERFLASHINGS. 20 MANUFACTURER'S LABOR & MATERIAL WARRANTY (EXISTING RED ASPHALT SHINGLES TO REMAIN ON MAIN BUILDING)
  - SOFFIT:  
REPLACE DAMAGED WOOD SOFFIT WITH NEW PAINTED WOOD MATERIAL. INSTALL NEW 16"x4" WHITE ALUMINUM SOFFIT VENTS EVERY 48" O.C. (CENTERED BETWEEN WOOD CORBELS)
  - GUTTERS/DOWNSPOUTS:  
6", SEAMLESS, ALUMINUM, WHITE
  - EIFS:  
DRYWIT OR EQUAL  
FINISH: SANDBLAST COLOR: 101 SUPER WHITE
  - BRICK:  
THE BOWERSTON SHALE COMPANY or EQUAL  
SIZE: MODULAR  
COLOR: #1348 VALLEY BLEND RT  
MORTAR COLOR: STANDARD  
CONTRACTOR TO PROVIDE 3FTX3FT SAMPLE WALL FOR ARCHITECT APPROVAL
  - PAINT (BUILDING):  
SHERWIN WILLIAMS HIGH REFLECTIVE WHITE SW7757  
SEE SPECIFICATIONS FOR PAINT SYSTEM APPLICATION REQUIREMENTS
  - PAINT (BRICK-FACED FORM CONCRETE):  
SHERWIN WILLIAMS 'RED BARN' SW7591  
SEE SPECIFICATIONS FOR PAINT SYSTEM APPLICATION REQUIREMENTS
  - BALUSTRADE (VERANDA)  
INDIANA CAST STONE BALUSTRADE SYSTEM  
SEE ARCHITECTURAL DETAILS ON SHEET A-4.3 & SP-4
  - BALUSTRADE (ROOF)  
ROYAL CORINTHIAN FIBERGLASS BALUSTRADE SYSTEM  
SEE ARCHITECTURAL DETAILS ON SHEET A-5
  - NEW EXTERIOR COLUMNS  
ROYAL CORINTHIAN FIBERGLASS COLUMNS  
STYLE: ROUND NON-TAPERED, DORIC CAP & BASE
  - WATER TABLE BANDING, SILLS, CAPS  
INDIANA CAST STONE

REVISIONS

NO.	DATE

DANIEL E. SANDERS  
REGISTERED ARCHITECT  
STATE OF INDIANA  
No. 49354  
D. SANDERS ARCHITECTS

CERTIFIED BY  
**D. SANDERS**

DRAWN BY  
**AJ/DC**

CHECKED BY  
**D. SANDERS**

**Sanders and Associates, Inc.**  
200 SOUTH WYOMING STREET  
TERRE HAUTE, INDIANA 47807  
PHONE (812) 232-5256

PROJECT

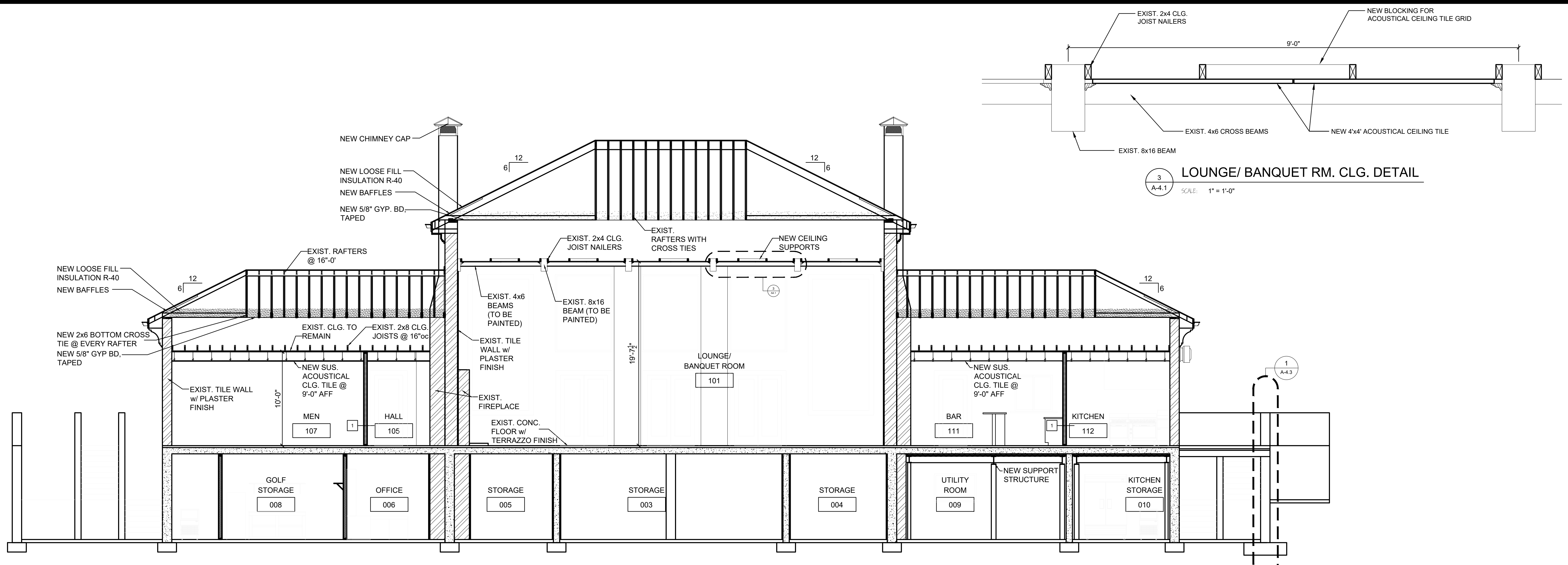
**REA PARK CLUBHOUSE  
RENOVATIONS**

JOB NUMBER  
**2214**

DATE  
**09/22/23**

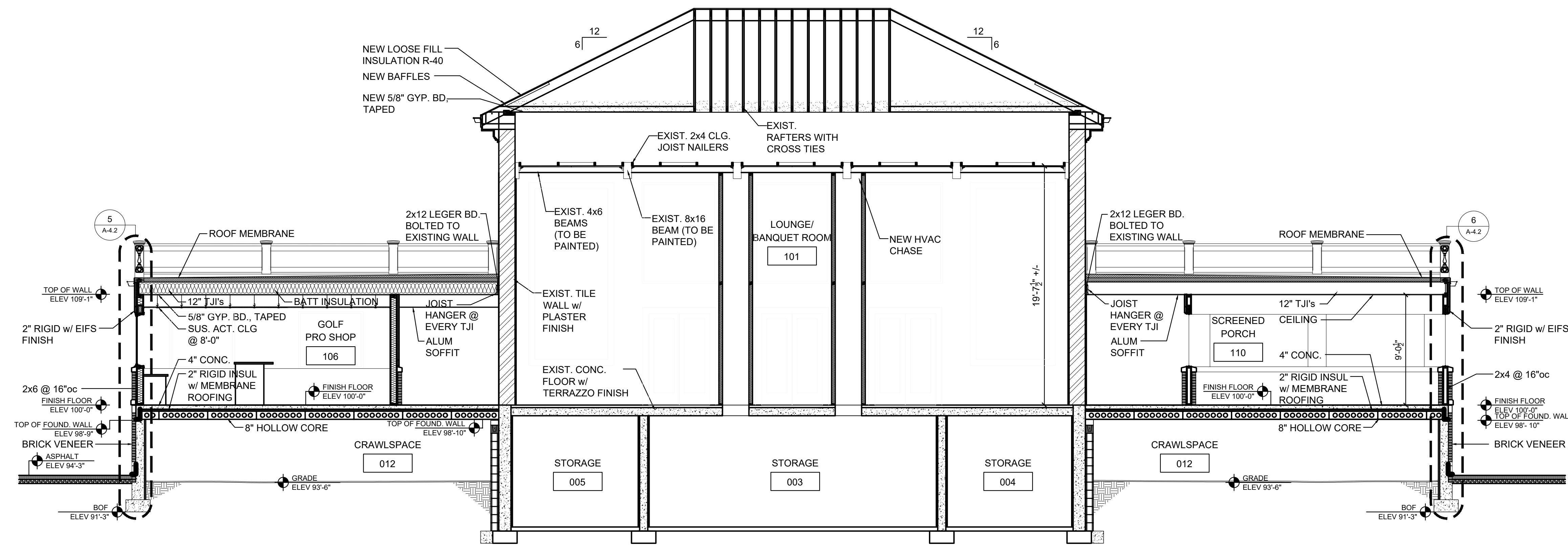
SHEET TITLE  
**NEW ELEVATIONS**

SHEET  
**A-3.1**



1 NORTH/SOUTH BUILDING SECTION  
 SCALE: 3/16" = 1'-0"

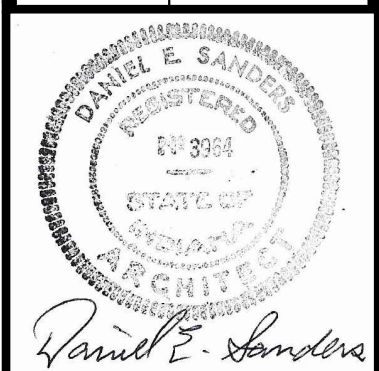
3 LOUNGE/ BANQUET RM. CLG. DETAIL  
 SCALE: 1" = 1'-0"



2 NORTH/SOUTH BUILDING SECTION  
 SCALE: 3/16" = 1'-0"

4 FLOOR REINFORCING DETAIL  
 SCALE: 1" = 1'-0"

REVISIONS	
NO.	DATE



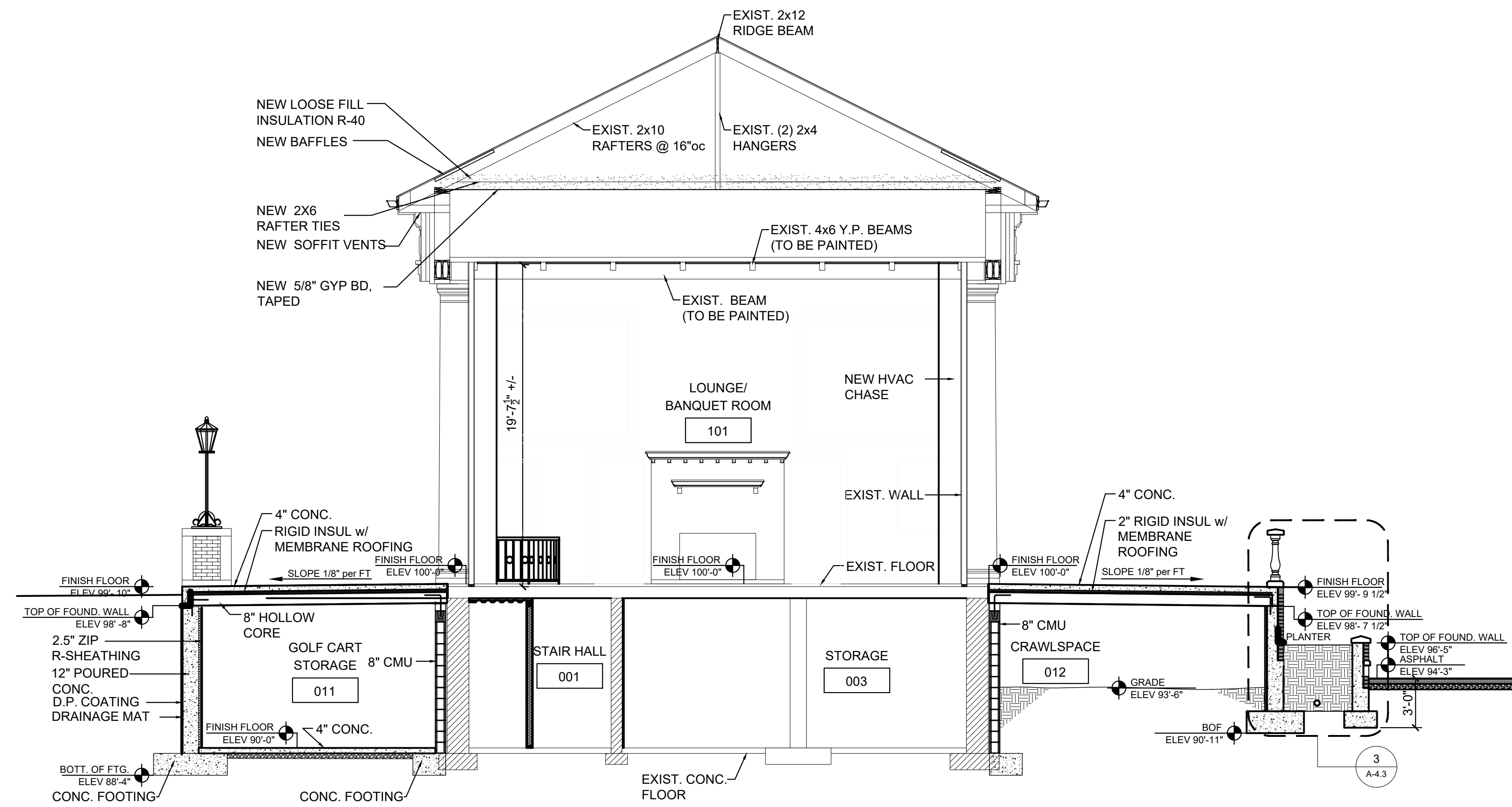
CERTIFIED BY  
**D. SANDERS**  
 DRAWN BY  
**AJ/DC**  
 CHECKED BY  
**D. SANDERS**

**Sanders and Associates, Inc.**  
 305 SOUTH WILSON STREET  
 TERRE HAUTE, INDIANA 47807  
 PHONE (812) 232-5556

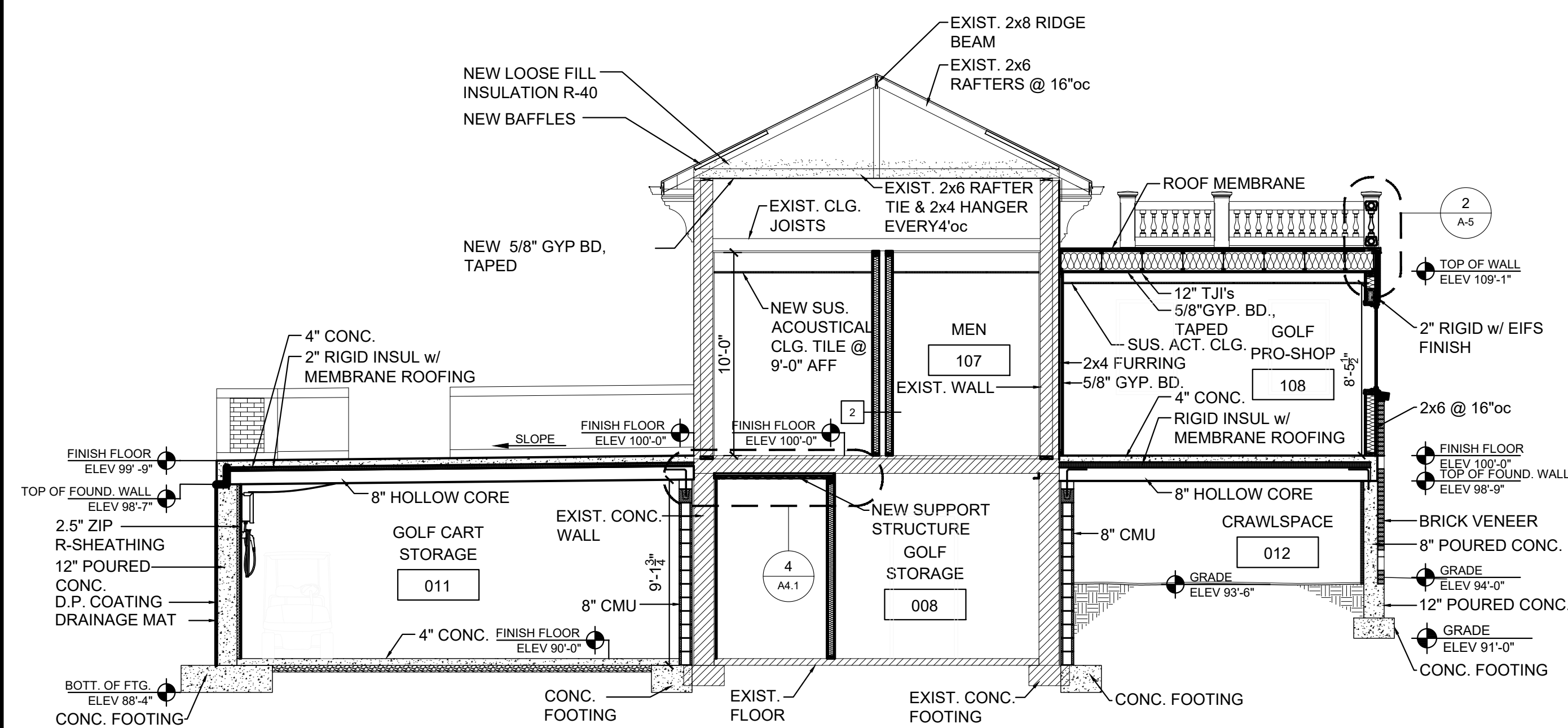
PROJECT  
**REA PARK CLUBHOUSE**  
**RENOVATIONS**

JOB NUMBER  
**2214**  
 DATE  
**09/22/23**  
 SHEET TITLE  
**BUILDING SECTIONS**

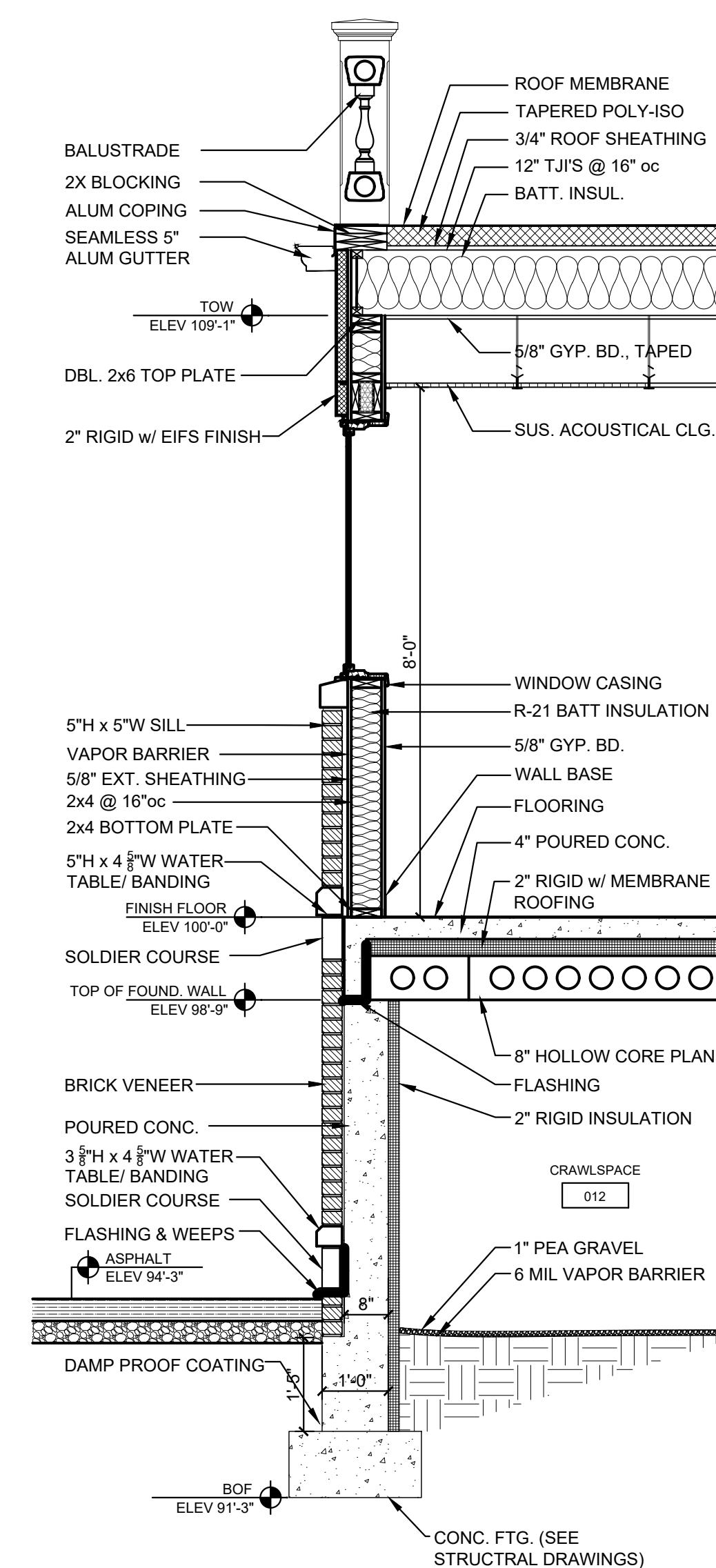
SHEET  
**A-4.1**



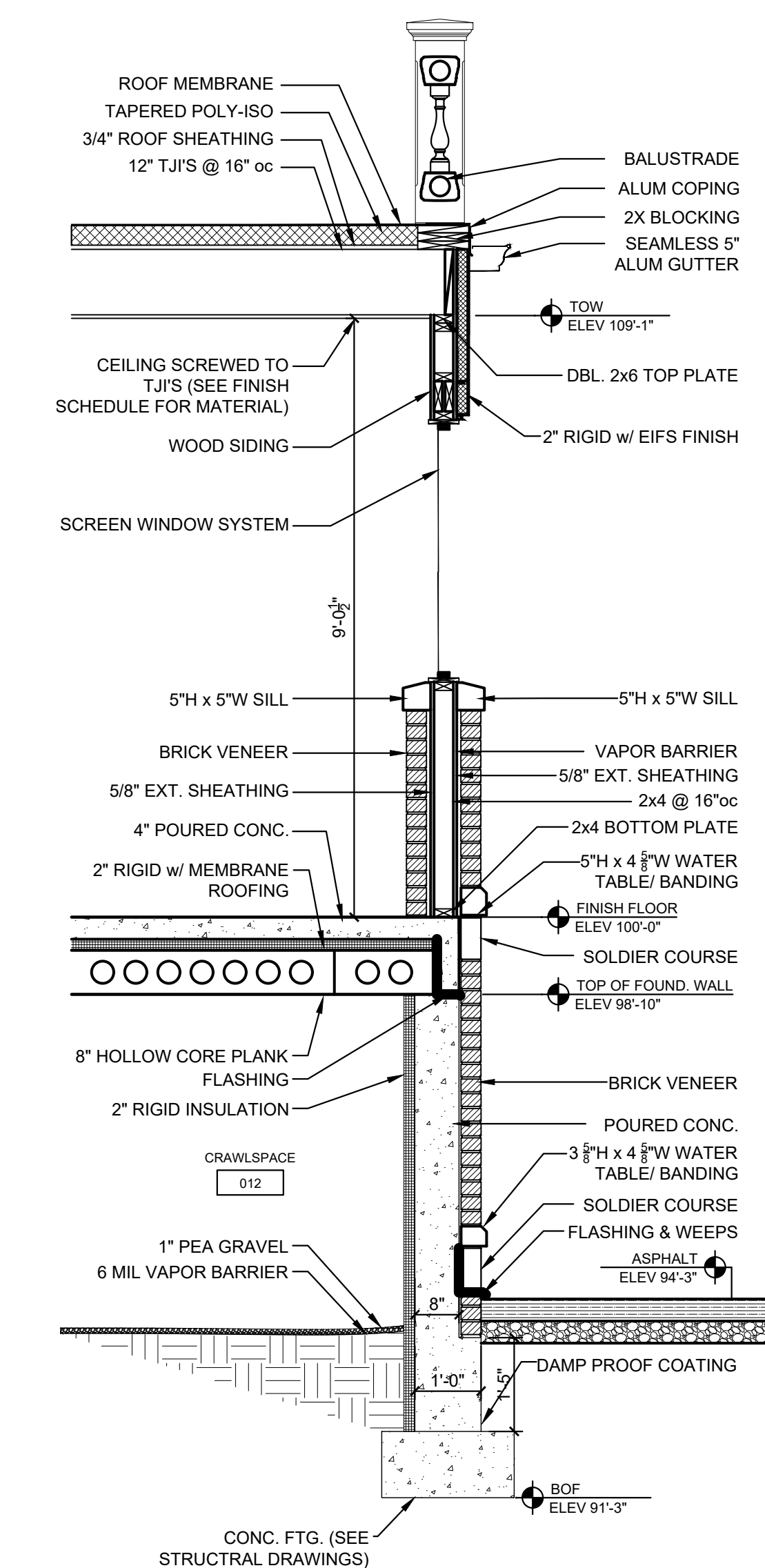
1 EAST WEST BUILDING SECTION  
 SCALE: 3/16" = 1'-0"



2 EAST WEST BUILDING SECTION  
 SCALE: 3/16" = 1'-0"

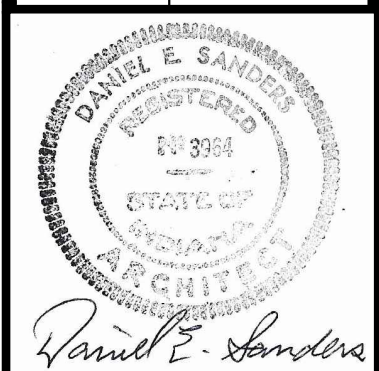


5 EXTERIOR WALL SECTION @ PRO-SHOP  
 SCALE: 1/2" = 1'-0"



6 EXTERIOR WALL SECTION @ SCREENED PORCH  
 SCALE: 1/2" = 1'-0"

REVISIONS	
NO.	DATE



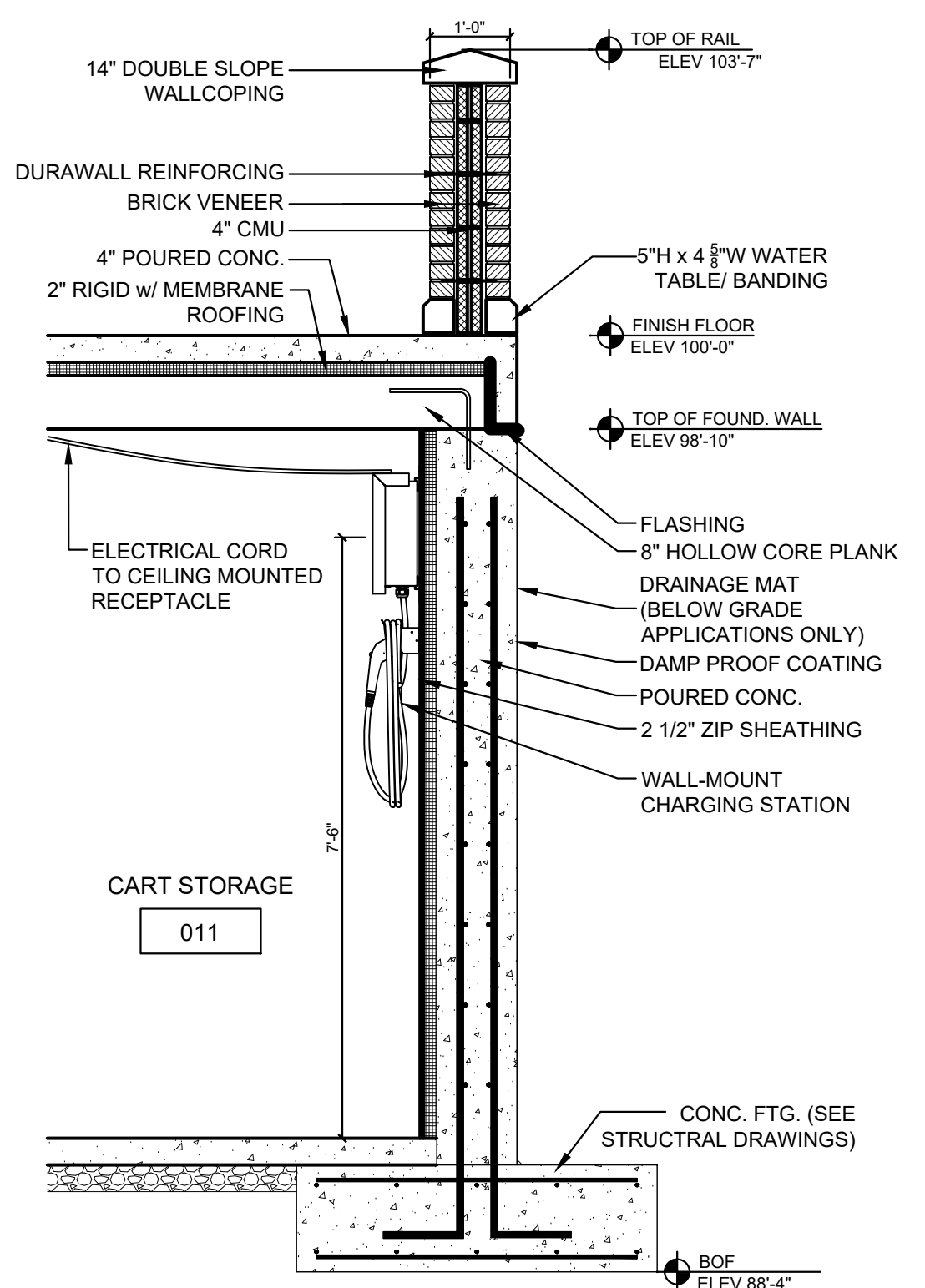
D. SANDERS  
 DRAWN BY  
 AJ/DC  
 CHECKED BY  
 D. SANDERS



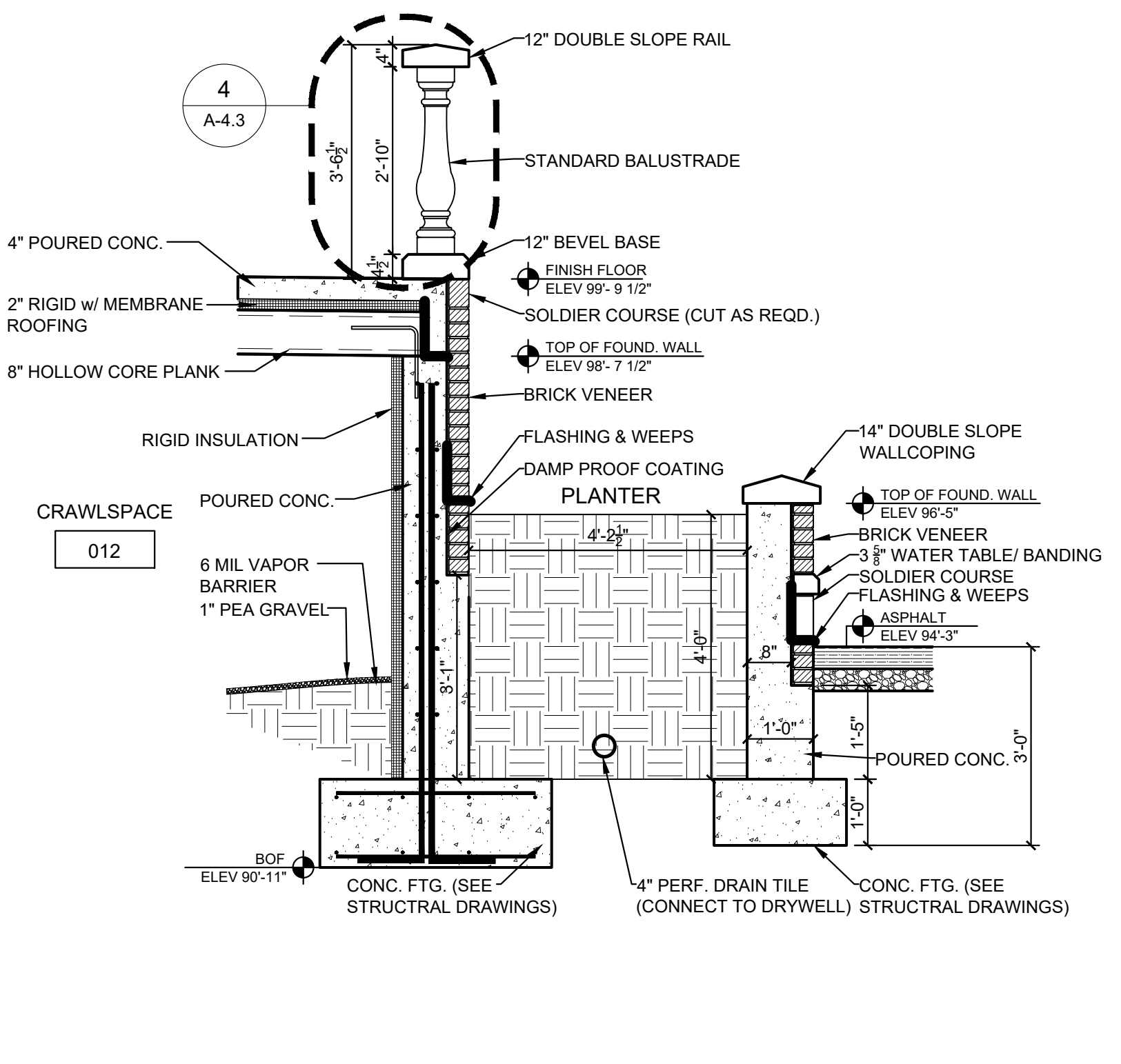
PROJECT  
**REA PARK CLUBHOUSE**  
**RENOVATIONS**

JOB NUMBER  
 2214  
 DATE  
 09/22/23  
 SHEET TITLE  
 BUILDING & WALL  
 SECTIONS  
 SHEET

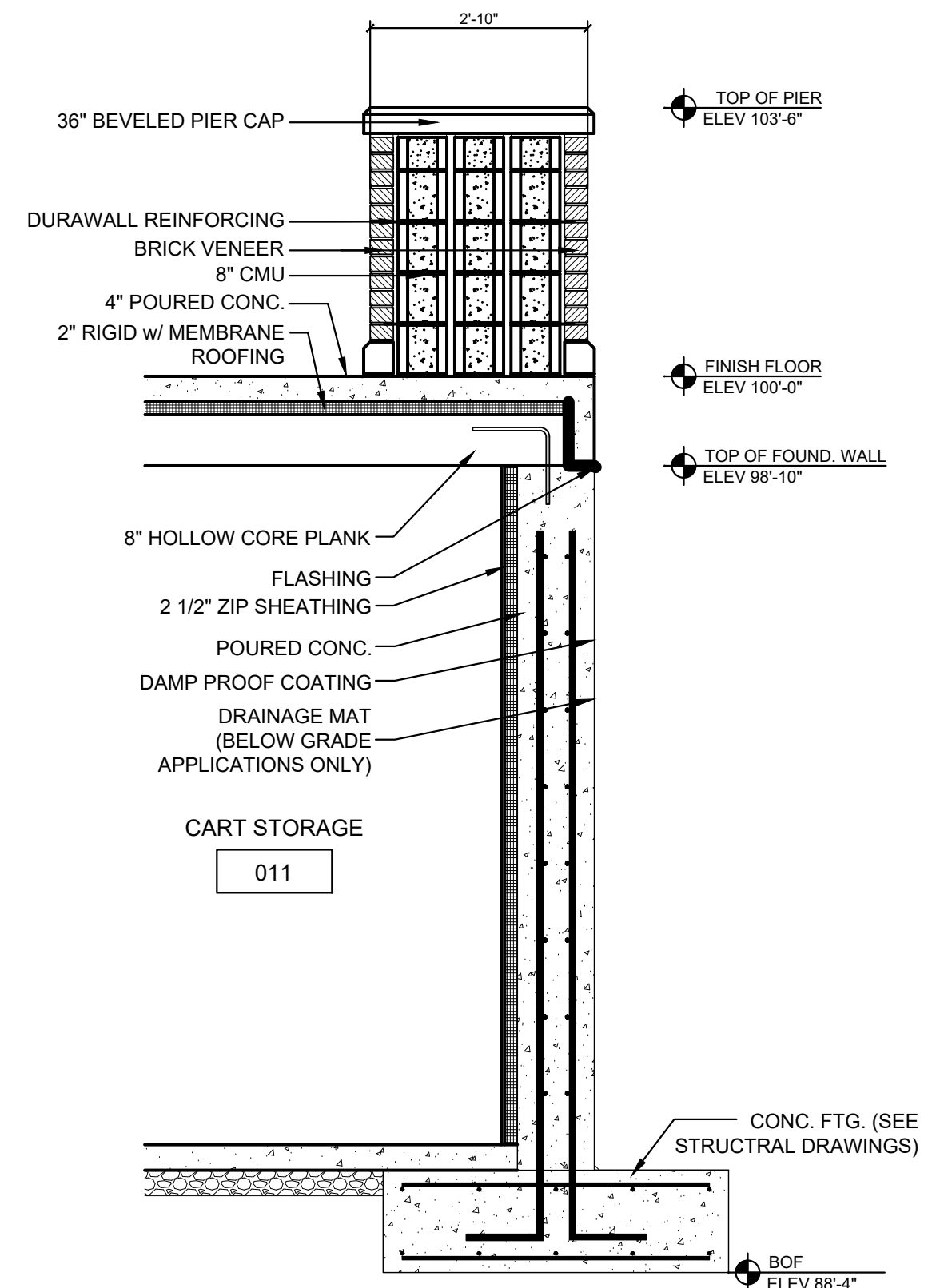
**A-4.2**



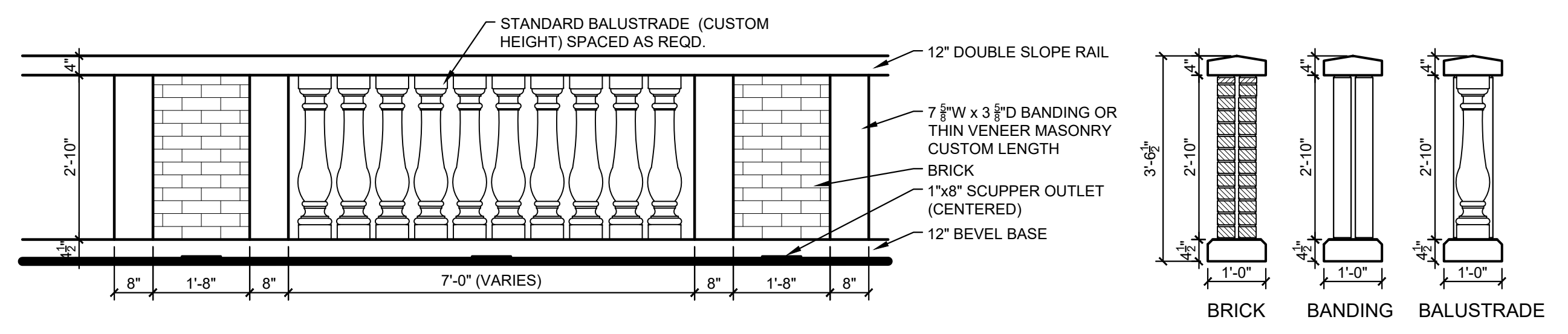
1 SECTION @ 1/2 WALL  
A-4.3 SCALE: 1/2" = 1'-0"



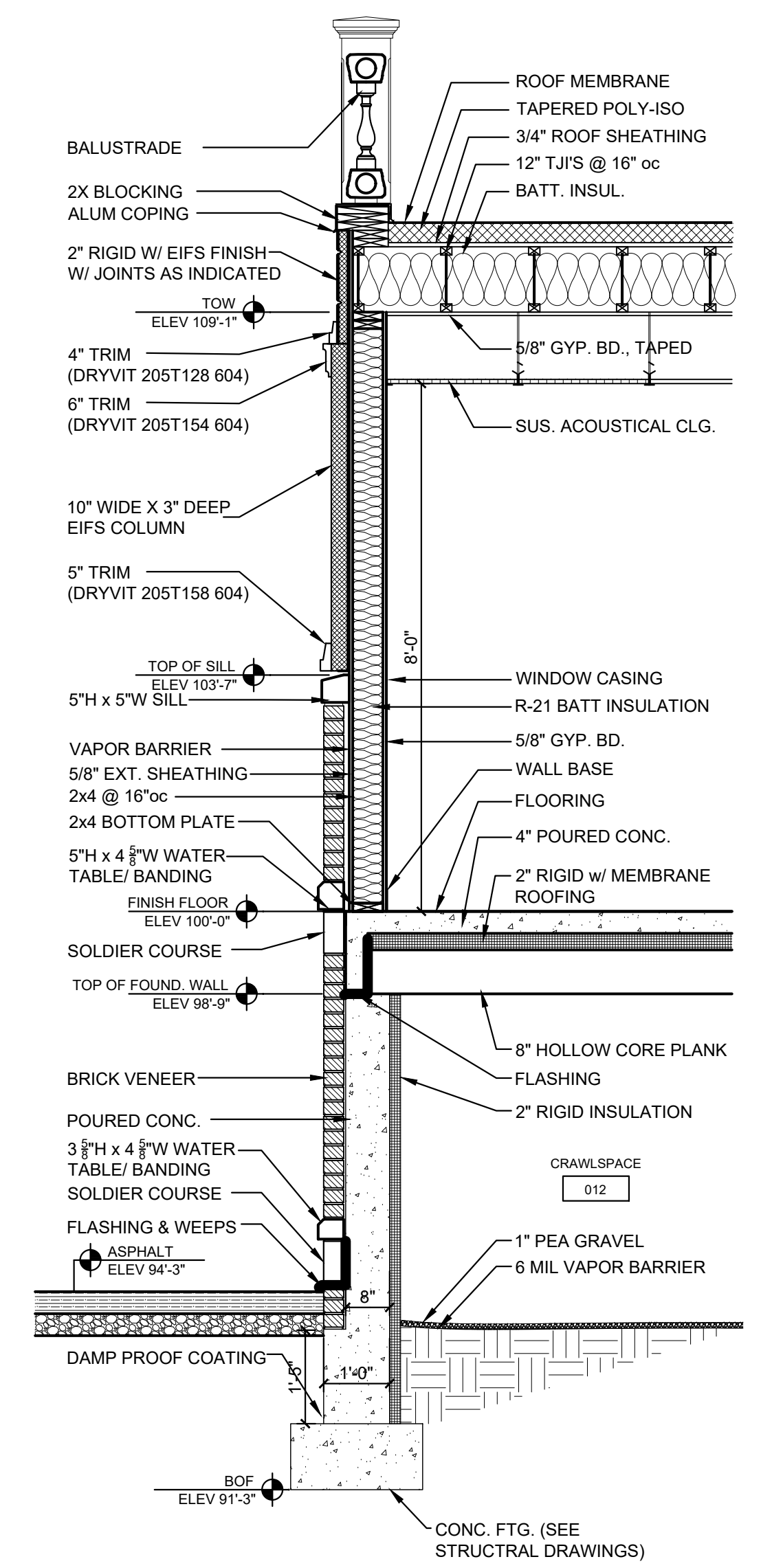
2 SECTION @ PLANTER  
A-4.3 SCALE: 1/2" = 1'-0"



3 SECTION @ PIER  
A-4.3 SCALE: 1/2" = 1'-0"

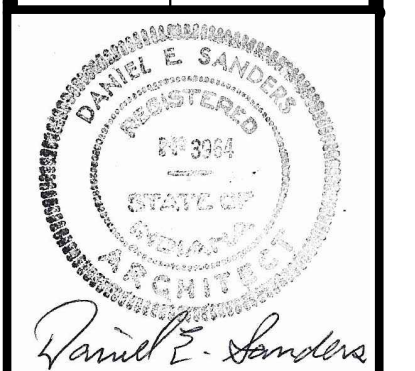


4 RAILING DETAILS  
A-4.3 SCALE: 1/2" = 1'-0"



5 SECTION @ EIFS COLUMN  
A-4.3 SCALE: 1/2" = 1'-0"

REVISIONS	
NO.	DATE



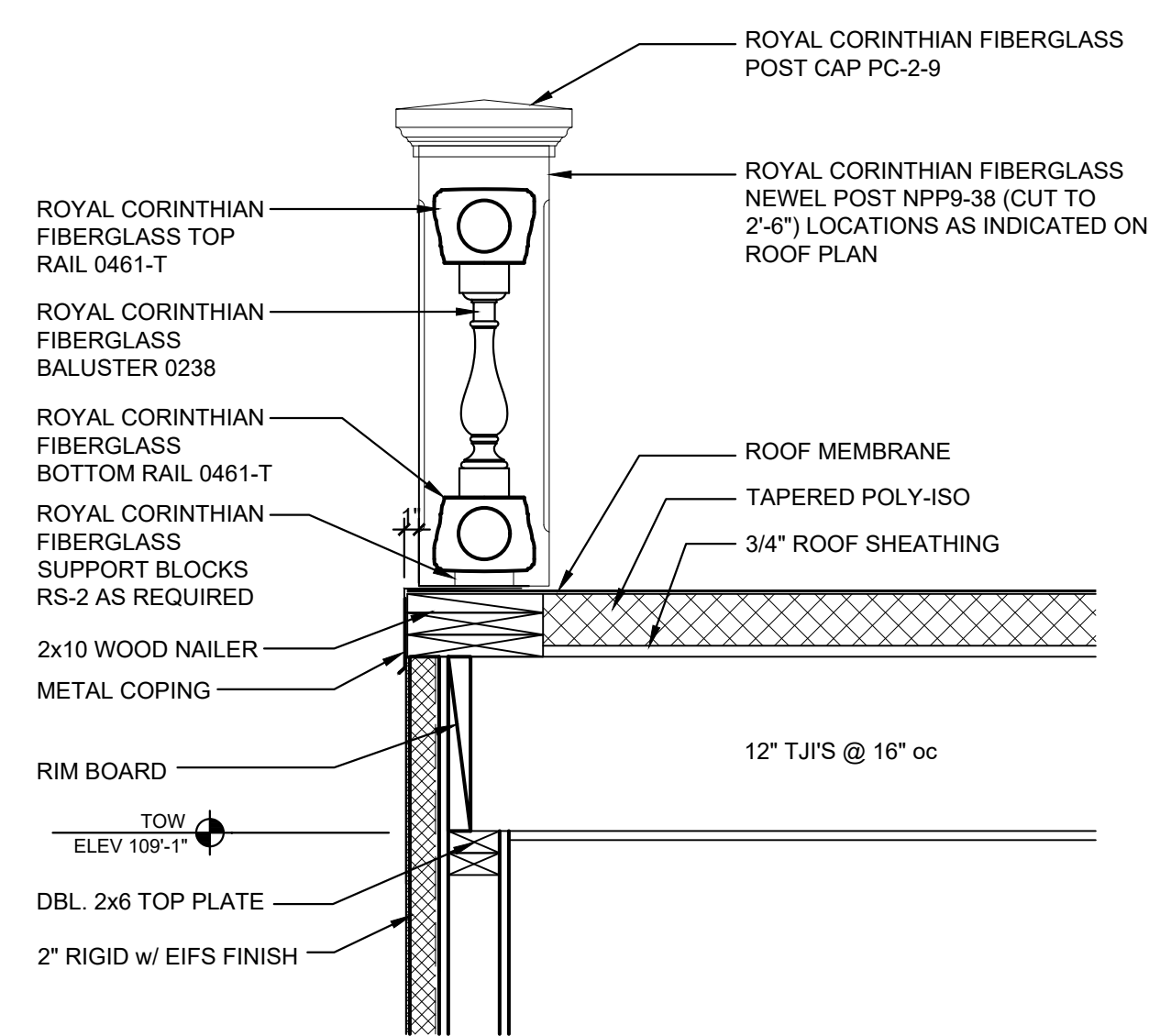
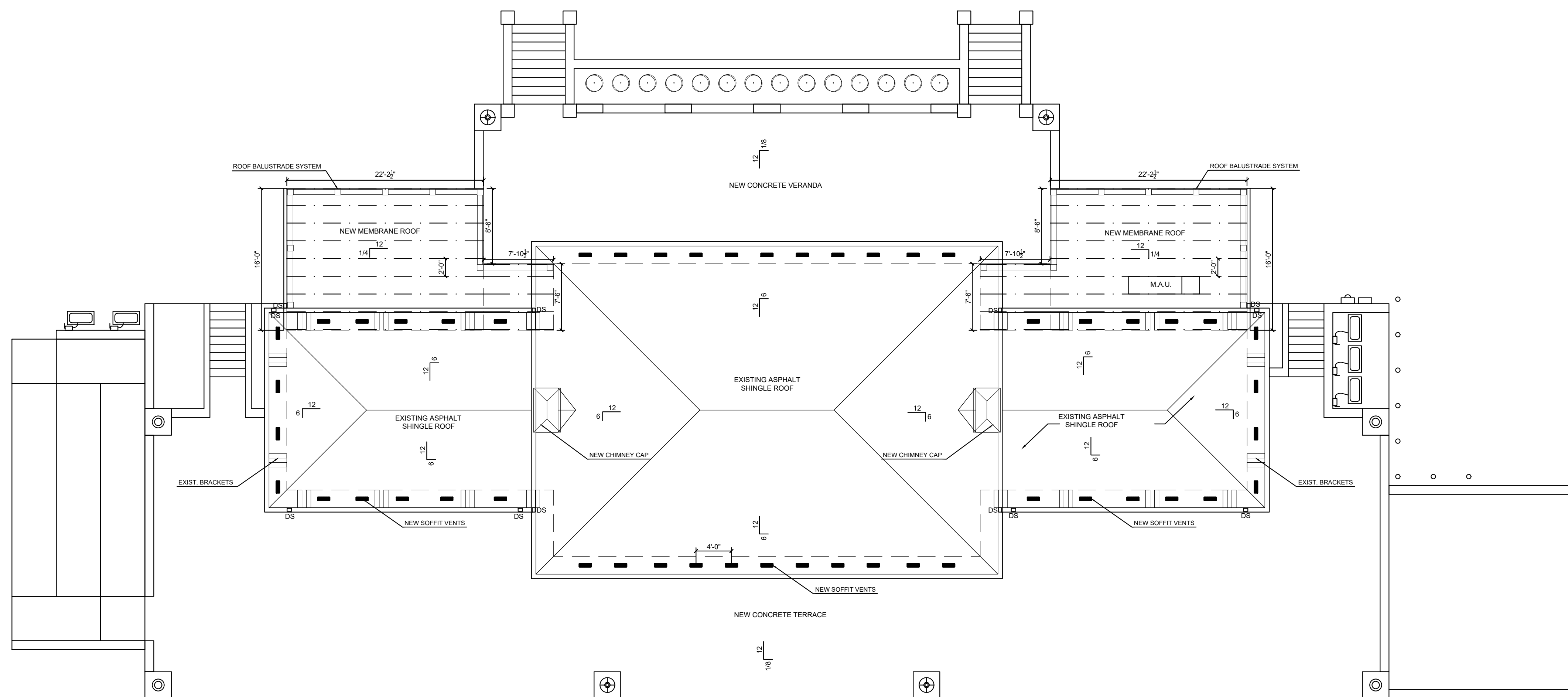
CERTIFIED BY  
**D. SANDERS**  
DRAWN BY  
**AJ/DC**  
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PROJECT  
**REA PARK CLUBHOUSE  
RENOVATIONS**

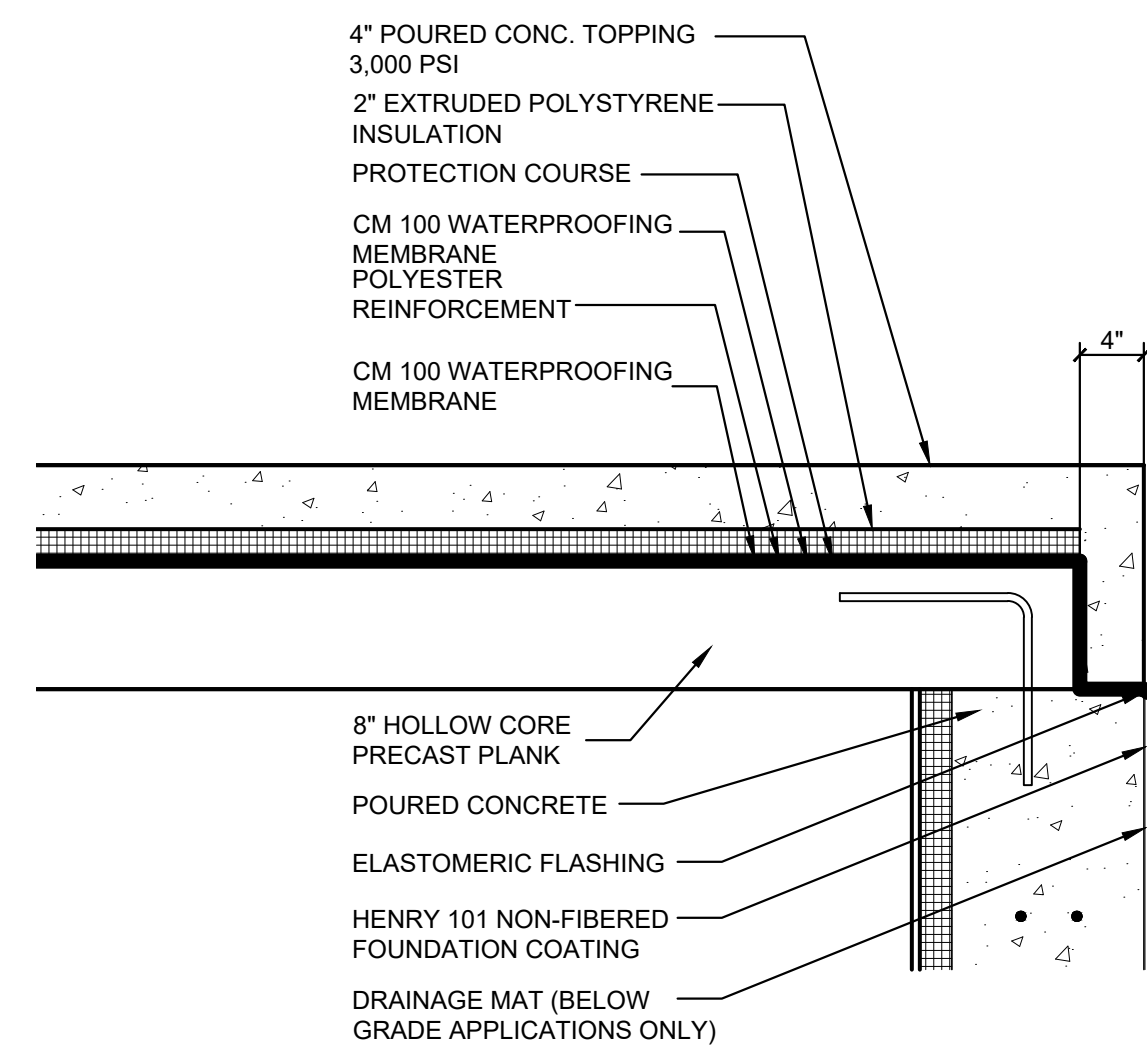
JOB NUMBER  
**2214**  
DATE  
**09/22/23**  
SHEET TITLE  
**SECTION DETAILS**

SHEET  
**A-4.3**

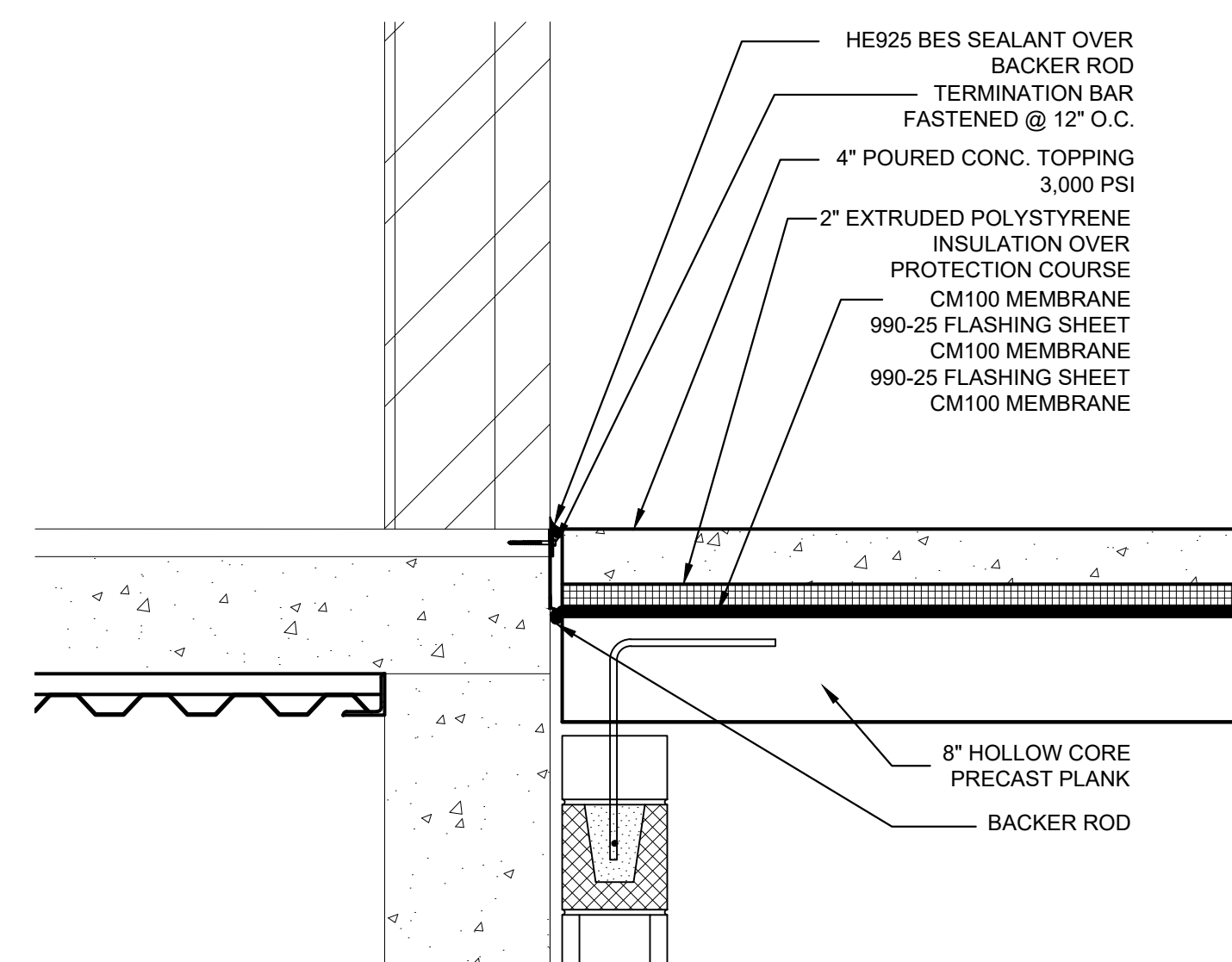


2 ADDITION ROOF DETAIL  
SCALE: 1" = 1'-0"

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

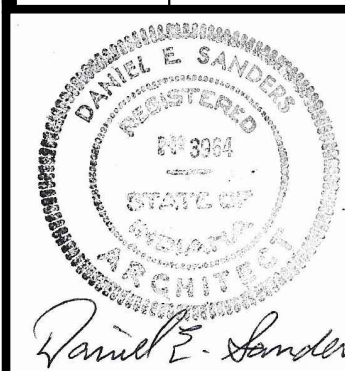


3 TERRACE/VERANDA EDGE DETAIL  
SCALE: 1" = 1'-0"



4 TERRACE/VERANDA JOINT DETAIL  
SCALE: 1" = 1'-0"

REVISIONS	
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**D. SANDERS**  
DRAWN BY  
**AJ/DC**  
CHECKED BY  
**D. SANDERS**

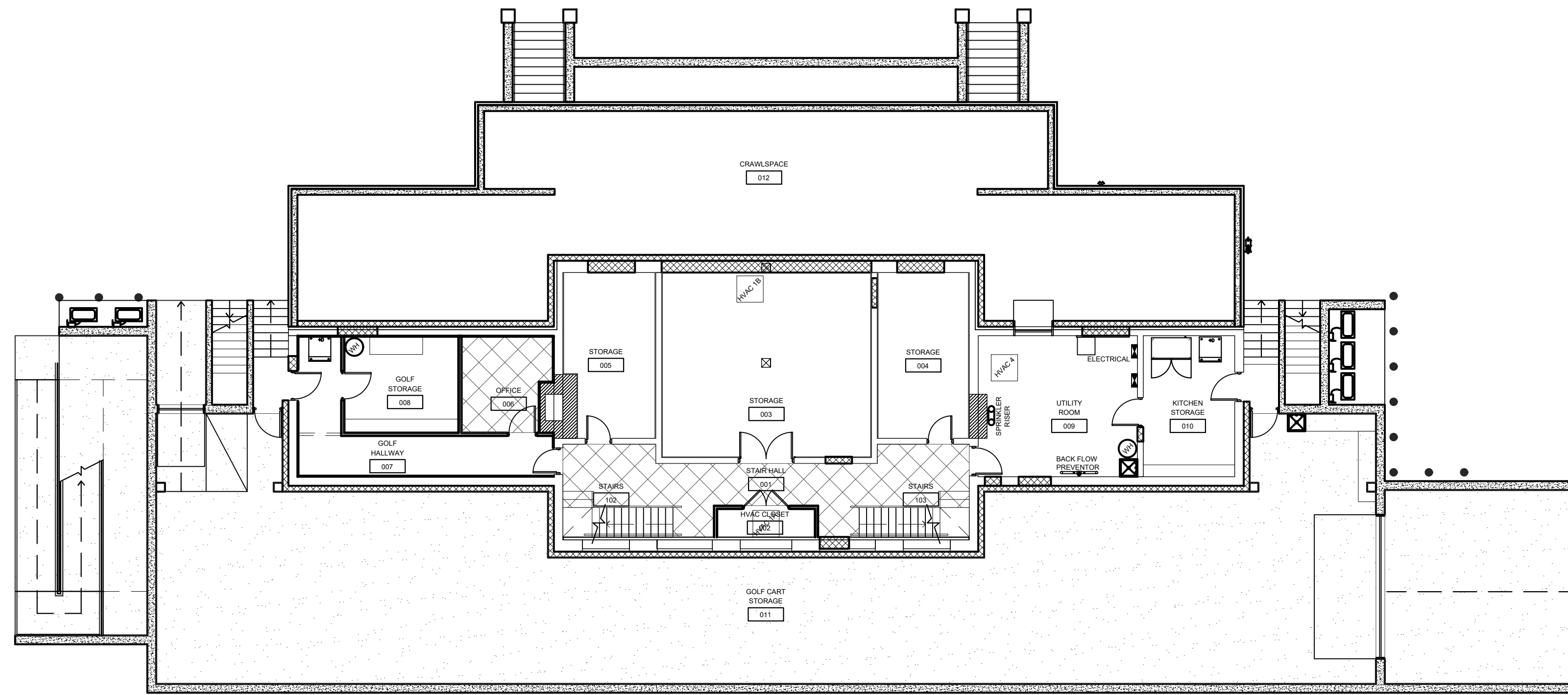
**Sanders and Associates, Inc.**  
205 SOUTH WALKER STREET  
TERRE HAUTE, INDIANA 47807  
PHONE (812) 232-5256

PROJECT  
**REA PARK CLUBHOUSE RENOVATIONS**

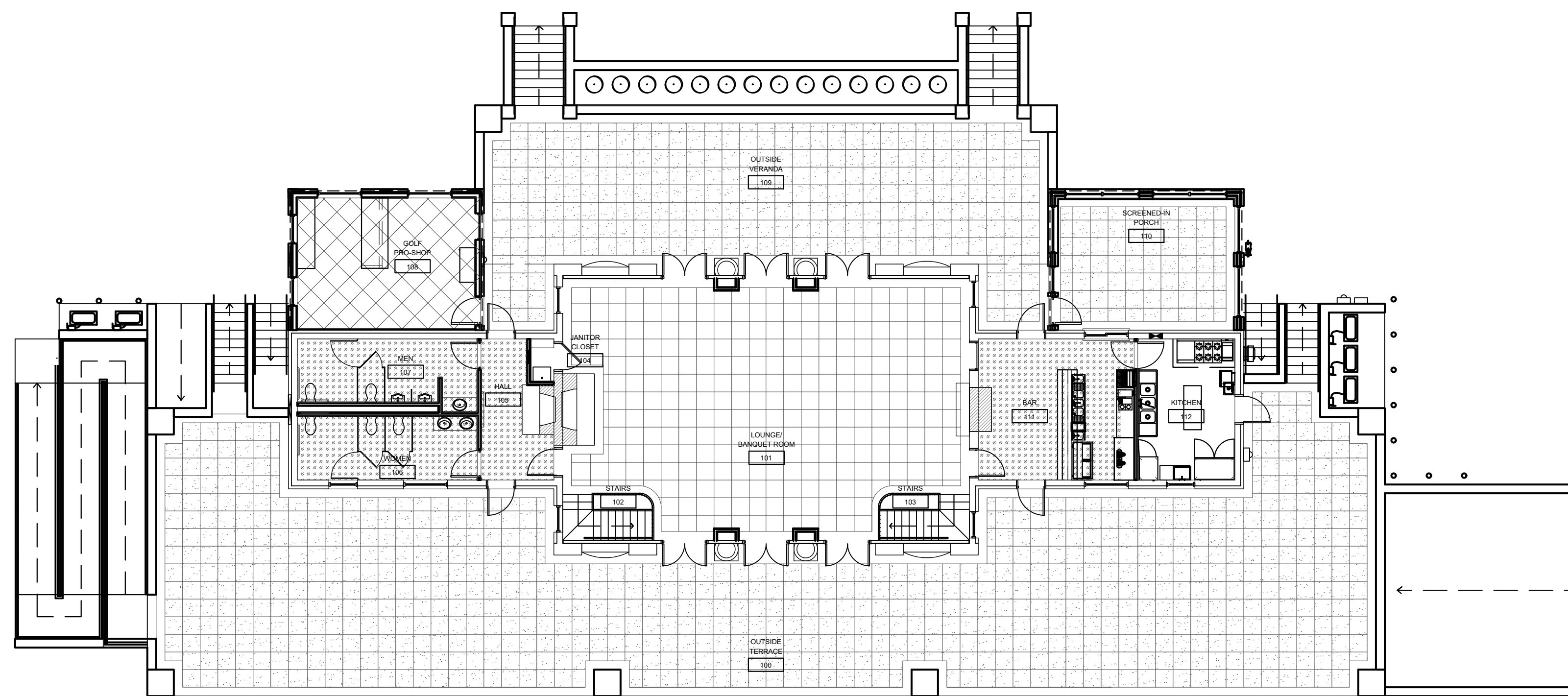
JOB NUMBER  
**2214**  
DATE  
**09/22/23**  
SHEET TITLE  
**ROOF PLAN**  
SHEET

**A-5**





1  
A-6.1 SCALE: 3/32" = 1'-0"



1  
A-6.1 SCALE: 3/32" = 1'-0"

**FLOOR FINISH KEY**

[Pattern]	REFINISHED TERRAZZO
[Pattern]	NEW CONCRETE, WITH CUT PATTERN
[Pattern]	NEW CARPET
[Pattern]	NEW TILE
[Pattern]	REFINISHED/SEALED CONCRETE

**FINISH SCHEDULE**

ROOM NAME	ROOM NUMBER	FLOORS		BASES		WALLS		CEILINGS		CEILING HEIGHT	REMARKS
		1	2	1	2	1	2	1	2		
OUTSIDE TERRACE	100	1									
BANQUET HALL	101			5		9	11	14	16	19'-0"	
STAIRS	102				6	8			16		
STAIRS	103				6	8			16		
JANITOR	104	2			7		11	13	15	9'-0"	
HALLWAY	105		4		8		11		15	9'-0"	
WOMENS RESTROOM	106		4				12		15	9'-0"	
MENS RESTROOM	107		4				12		15	9'-0"	
PRO-SHOP	108	3			8		10		15	8'-0"	
OUTSIDE VERANDA	109	1									
SCREENED-IN PORCH	110	1							18	9'-0"	
BAR	111		4		8		10		15	9'-0"	
KITCHEN	112	2			7			13	17	9'-0"	
STAIR HALL	001		3		7		11	14		8'-0"	
HVAC CLOSET	002	2			7		11			8'-0"	
STORAGE	003	2								8'-0"	
STORAGE	004	2								8'-0"	
STORAGE	005	2								8'-0"	
OFFICE	006	3			7		11	15		8'-0"	
GOLF CLOSET	007	2			7		11			8'-0"	
GOLF STORAGE	008	2					11			8'-0"	
UTILITY ROOM	009	2					11			8'-0"	
KITCHEN STORAGE	010	2					11			8'-0"	
GOLF CART STORAGE	011	2								8'-6"	
CRAWLSPACE	012									5'-0"	

**INTERIOR FINISHES:**

- FLOORS**
- CONCRETE - STANDARD COLOR, SEALED  
JOINT PATTERN: 2FT X 2FT SQUARE W/ 1FT BORDER
  - CONCRETE - SEALED
  - CARPET TILE - MANNINGTON COMMERCIAL  
WWW.MANNINGTONCOMMERCIAL.COM  
STYLE: RECOURSE II ENTRYWAY COLOR: GANGWAY GREEN 4516  
24"X24", 38 OZ/YD, TYPE 6.6 NYLON, MONOLITHIC INSTALL
  - TILE: DAL TILE WEBSITE: WWW.DAL TILE.COM  
PORCELAIN STONE STYLE: KEYSTONE MOSAIC COLOR: DK16  
DIM. OF TILE: 1" HEXAGON  
GROUT: 1/8" JOINT, TEC POWER GROUT, COLOR: JET BLACK 950
  - TERRAZZO - EXISTING TO BE REFINISHED & SEALED
  - RUBBER STAIR SYSTEM- TARKETT RUBBER TREAD & RISER  
WWW.TARKETT.COM STYLE: RAISED ROUND STYLE  
BASE COLOR: 86 HUNTER GREEN
  - 4.25" HIGH VINYL BASE- JOHNSONITE TIGHTLOCK WALL BASE FOR VINYL, 75" COILS, THICKNESS: 1/8" COLOR: T&S COLONIAL GREY
  - 6" WOOD BASE - PINE 1X6. PAINTED SHERWIN WILLIAMS CEILING BRIGHT WHITE SW7007, SEMI-GLOSS
  - TERRAZZO - EXISTING BASE, REFINISH AND SEAL.
- WALLS**
- BEADBOARD - DPI BEADBOARD EZ PAINTABLE WALL PANEL, 3/16" TEMPERED HARDBOARD, 2" O.C. SPACING (SEE DETAILS FOR LOCATION AND HEIGHT).  
PAINTED SHERWIN WILLIAMS 'ISLE OF PINES' SW6461
  - PAINT- SHERWIN WILLIAMS (SW) EGGSHELL/SATIN FINISH  
COLORS: (BANQUET) CRISP LINEN SW6378  
(RESTROOMS/BAR) ORIGAMI WHITE SW7636  
(PROSHOP) T.B.D.
  - WALL TILE - DAL TILE WWW.DAL TILE.COM  
COLOR WHEEL COLLECTION - GLAZED CERAMIC CLASSIC  
SIZE: 3"X6" COLOR: SEMI-GLOSS WHITE 0100 & MATTE BLACK K711  
GROUT: 1/8" JOINT, TEC POWER GROUT, COLOR: OPTIC WHITE 912
  - FRP (FIBERGLASS REINFORCED PANEL) - NUDDO FIBERLITE FRP  
STYLE: SANDSTONE TEXTURE COLOR: PEBBLE
- CEILINGS**
- 5/8" GYPSUM BOARD, PAINTED SHERWIN WILLIAMS FLAT FINISH  
COLOR: CEILING BRIGHT WHITE SW7007
  - 2X2 ACOUSTIC CEILING TILE - USG CEILINGS WWW.USG.COM  
SIZE: 24" X 24" STYLE: MARS HIGH-NRC COLOR: WHITE
  - 4X8 ACOUSTIC CEILING TILE - USG CEILINGS WWW.USG.COM  
SIZE: 48" X 96" STYLE: HALCYON COLOR: WHITE
  - 2X4 SCRUBBABLE CEILING TILE - USG CEILINGS WWW.USG.COM  
SIZE 24" X 48" STYLE: KITCHEN LAY-IN COLOR: WHITE
  - ALUMINUM SOFFIT - NON-PERFORATED, WHITE
- MISCELLANEOUS NOTES:**
- STEEL DOOR PAINT- SHERWIN WILLIAMS SEMI-GLOSS  
COLOR: SHERWIN WILLIAMS 'ISLE OF PINES' SW6461
  - INSTALL SCHLUTER SYSTEM FLOOR AND WALL TRIM WHERE APPLICABLE
  - ALL EXISTING TRIM AND CASING TO BE PAINTED TO MATCH NEW CASEWORK
  - LOUNGE CEILING BEAMS TO BE PAINTED SHERWIN WILLIAMS UMBER RUST SW9100, FINISH: FLAT
  - LOUNGE STAIR RAILINGS TO BE PAINTED SHERWIN WILLIAMS ISLE OF PINES SW6461, FINISH: SEMI-GLOSS
- WOOD CABINETRY**  
MEDALLION CABINETRY- WWW.MEDALLIONCABINETRY.COM  
DOOR STYLE: LANCASTER  
WOOD: MAPLE  
DRAWER OPTION: 1 PIECE DRAWER FRONT OPTION  
STANDARD FINISH: ONYX  
HARDWARE: HICKORY HARDWARE - 3 3/4" MAVEN PULL, MATTE BLACK
- COUNTERTOPS**  
MATERIAL: QUARTZ  
MANUFACTURER: WILSONART  
COLOR: KOLAMS Q4009
- ACOUSTIC WALL PANELS**  
MANUFACTURER: FELT RIGHT (https://feltright.com)  
SIZE: LARGE HALF LAP 12"X24" & SQUARES 12"X12"  
COLOR: LATTE  
FASTENERS: COMMERCIAL GRADE TABS + CONSTRUCTION ADHESIVE
- VENTED LOG SET**  
MANUFACTURER: PETERSON FIRE LOGS (https://petersonfirelogs.com)  
STYLE: G45 EMBER BURNER W/ 36" GOLDEN OAK DESIGNER PLUS  
VENTED LOG SET (RDP36-G44536). NATURAL GAS WITH ELECTRONIC PILOT AND WIRELESS WALL TIMER/RECEIVER. NEW SCREEN TO BE FABRICATED AROUND FIREPLACE OPENING.

REVISIONS

NO.	DATE

Daniel E. Sanders  
REGISTERED PROFESSIONAL ARCHITECT  
STATE OF INDIANA  
No. 47807

CERTIFIED BY  
**D. SANDERS**

DRAWN BY  
**AJ/DC**

CHECKED BY  
**D. SANDERS**

**Sanders and Associates, Inc.**  
308 SOUTH WILSON STREET  
TERRE HAUTE, INDIANA 47807  
PHONE (812) 232-5256

PROJECT

**REA PARK CLUBHOUSE**

**RENOVATIONS**

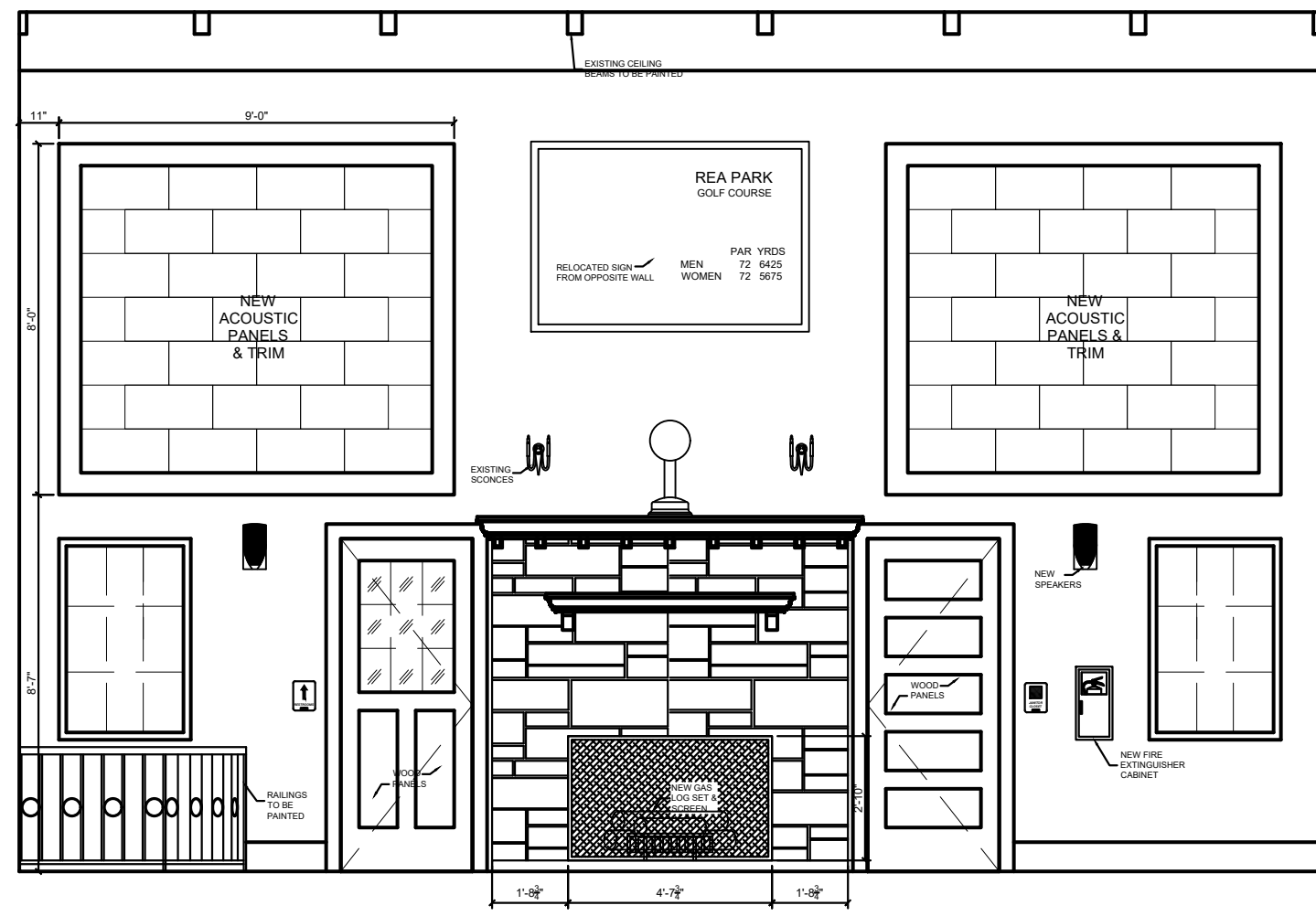
JOB NUMBER  
**2214**

DATE  
**09/22/23**

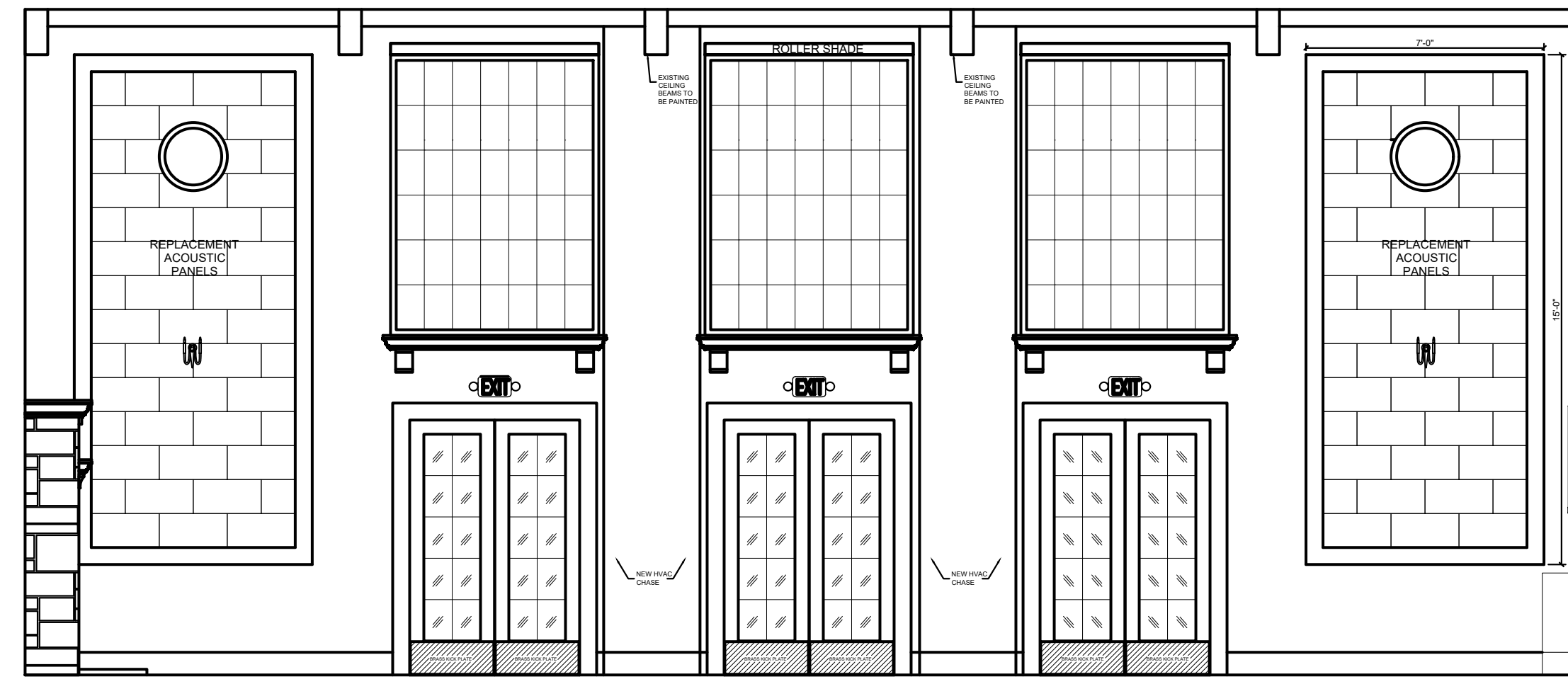
SHEET TITLE  
**INTERIOR FINISH PLAN & SCHEDULE**

SHEET

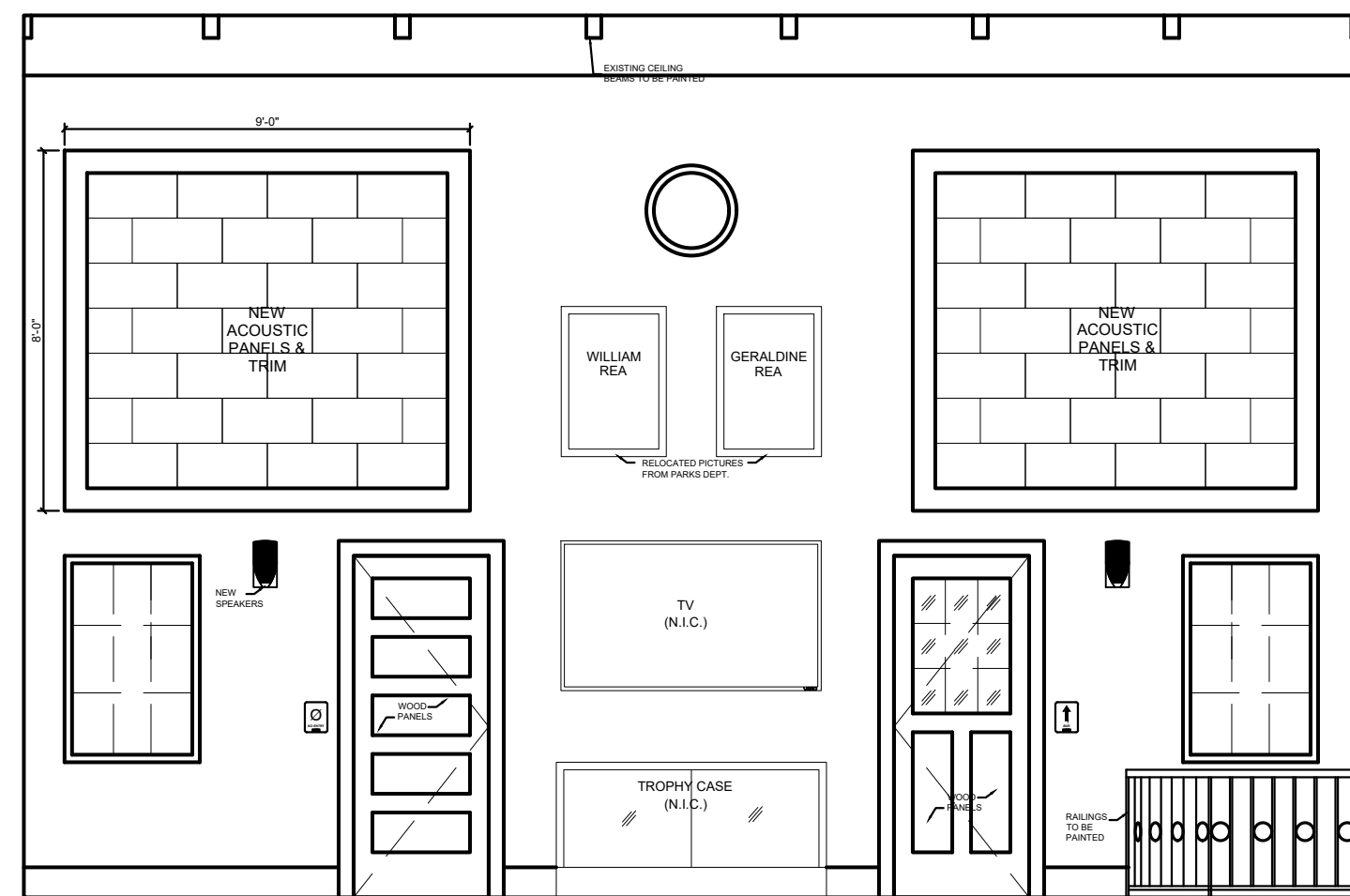
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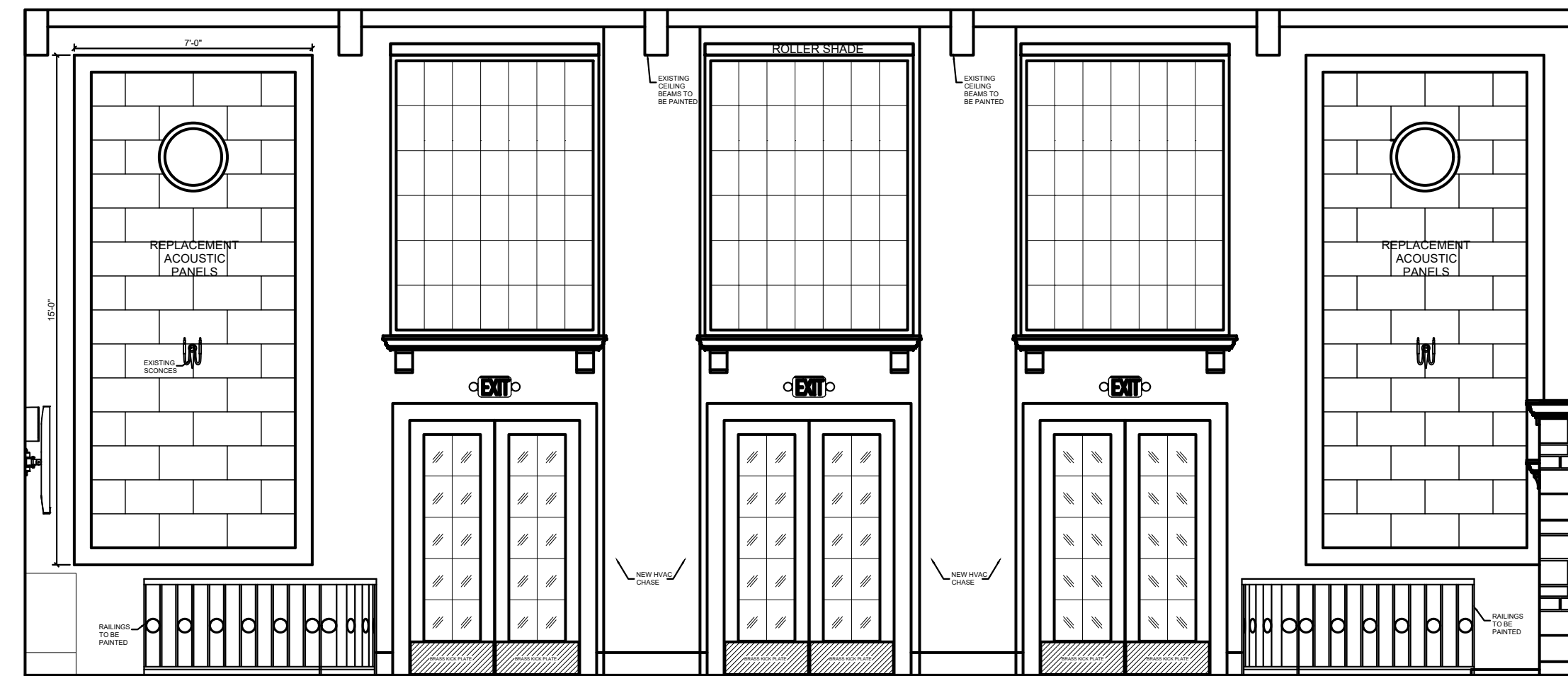
1 BANQUET NORTH WALL  
A-6.2 SCALE: 1/4" = 1'-0"



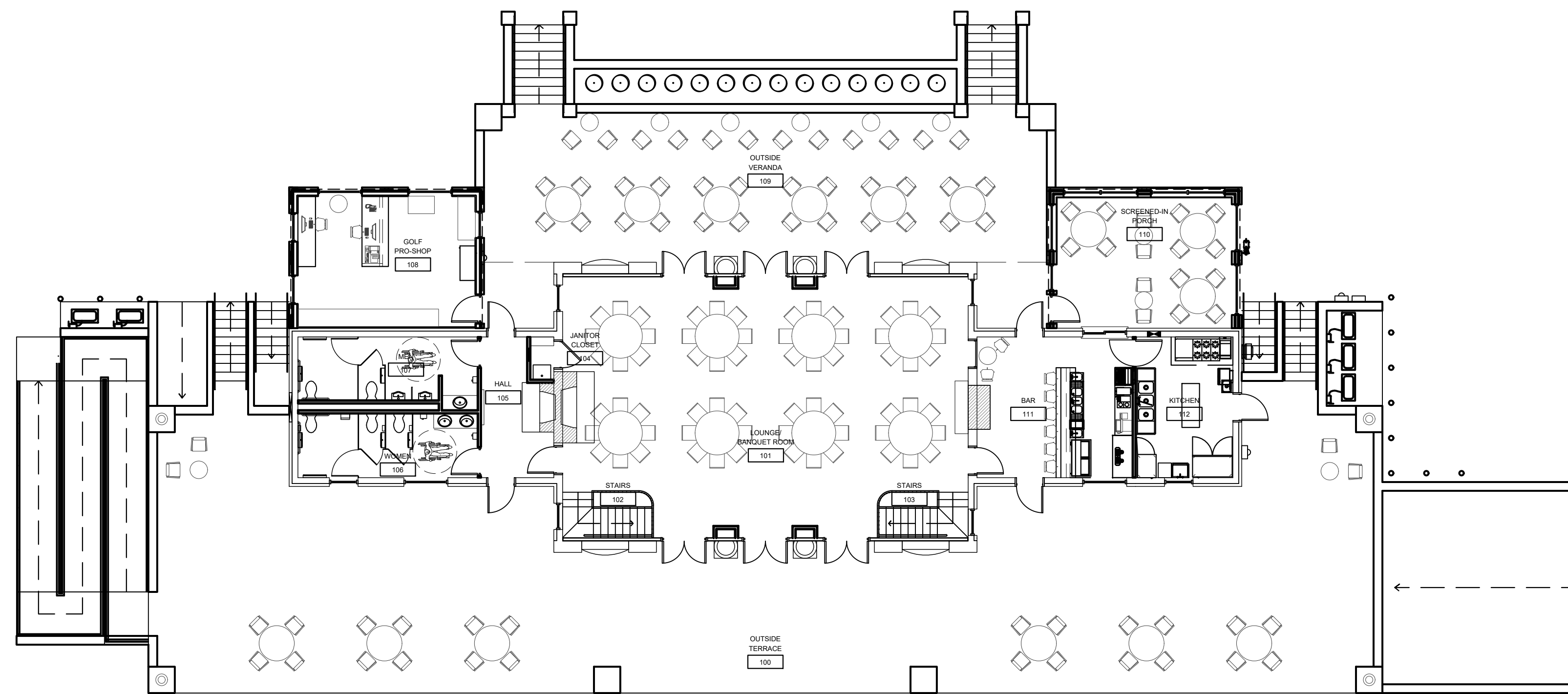
2 BANQUET EAST WALL  
A-6.2 SCALE: 1/4" = 1'-0"



3 BANQUET SOUTH WALL  
A-6.2 SCALE: 1/4" = 1'-0"



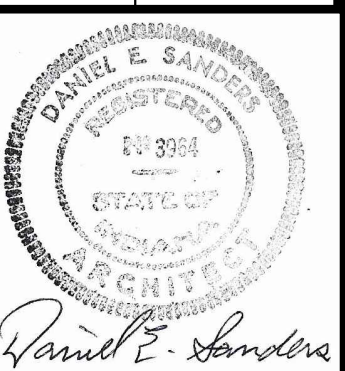
4 BANQUET WEST WALL  
A-6.2 SCALE: 1/4" = 1'-0"



4 FURNITURE PLAN  
A-6.2 SCALE: 3/32" = 1'-0"

NOTE: FURNITURE BY OWNER

REVISIONS	
NO.	DATE



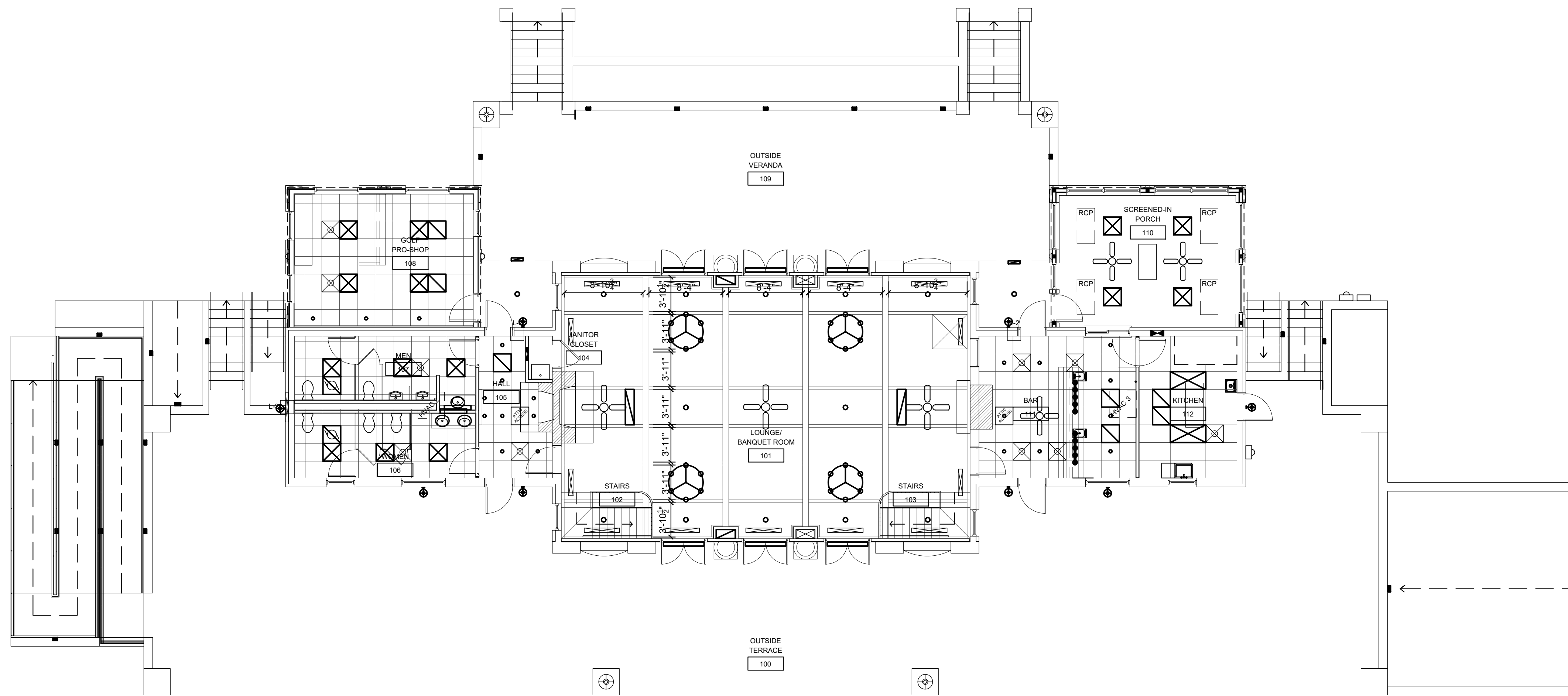
CERTIFIED BY  
**D. SANDERS**  
DRAWN BY  
**AJ/DC**  
CHECKED BY  
**D. SANDERS**

**Sanders and Associates, Inc.**  
308 SOUTH WYLL STREET  
TERRE HAUTE, INDIANA 47807  
PHONE (812) 232-5256

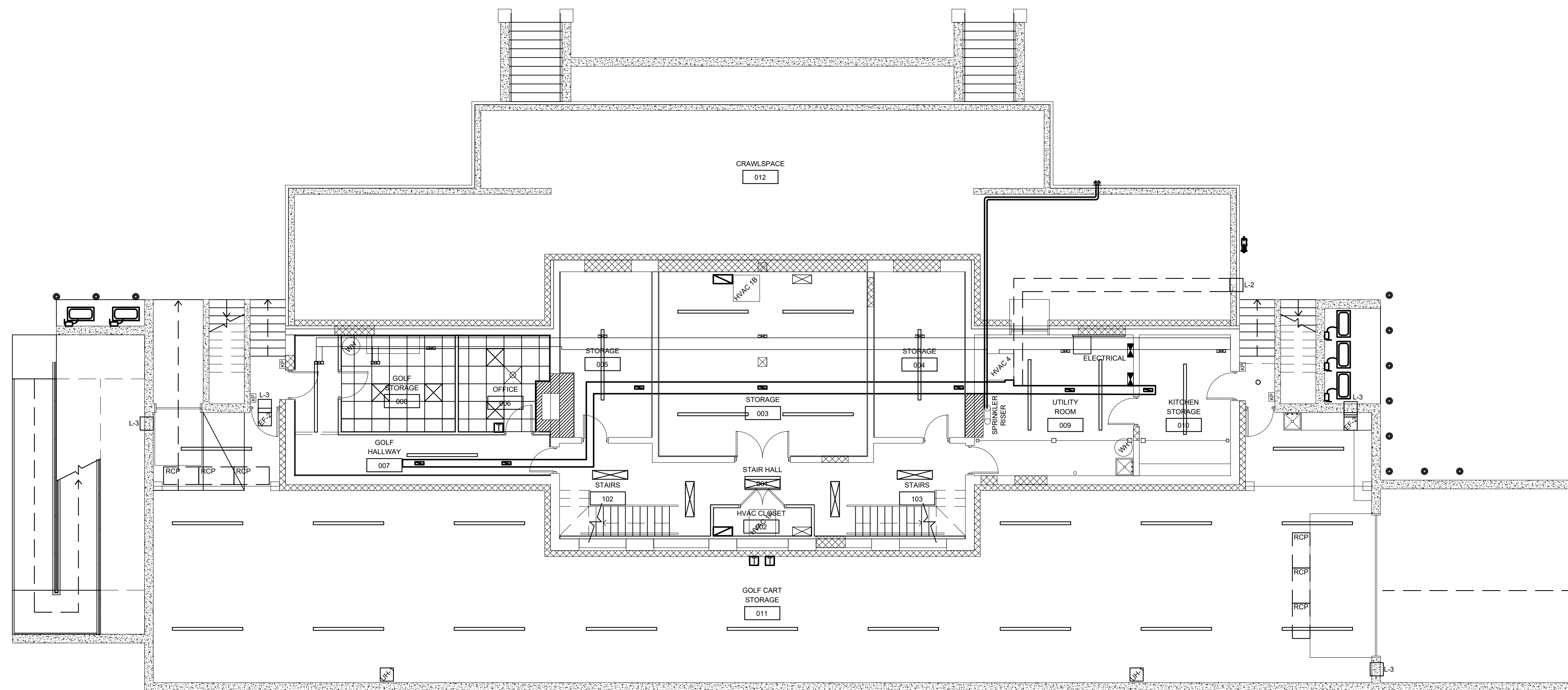
PROJECT  
**REA PARK CLUBHOUSE**  
**RENOVATIONS**

JOB NUMBER  
**2214**  
DATE  
**09/22/23**  
SHEET TITLE  
**INTERIOR ELEVATIONS**  
SHEET

**A-6.2**

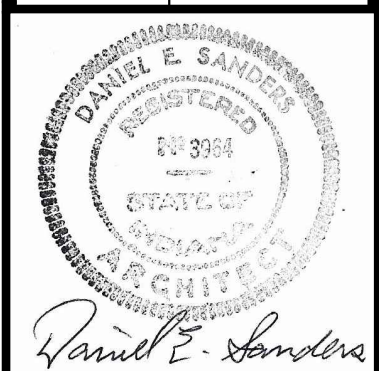


1  
A-7.1  
1ST FLOOR REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"



2  
A-7.1  
BASEMENT REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"

REVISIONS	
NO.	DATE



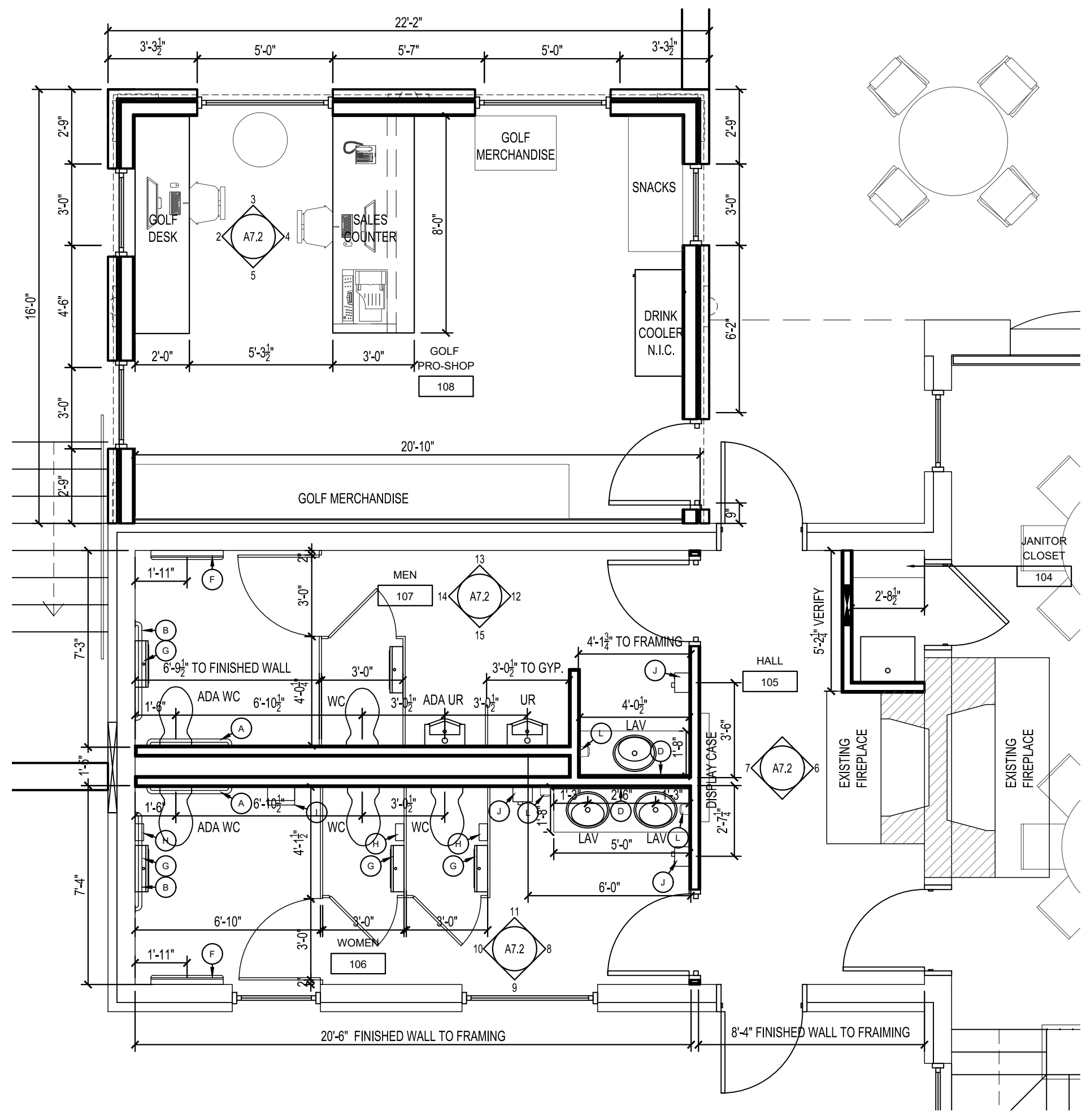
CERTIFIED BY  
**D. SANDERS**  
DRAWN BY  
**AJ/DC**  
CHECKED BY  
**D. SANDERS**

**Sanders and Associates, Inc.**  
200 SOUTH WYOMING STREET  
TERRE HAUTE, INDIANA 47807  
PHONE (812) 232-5256

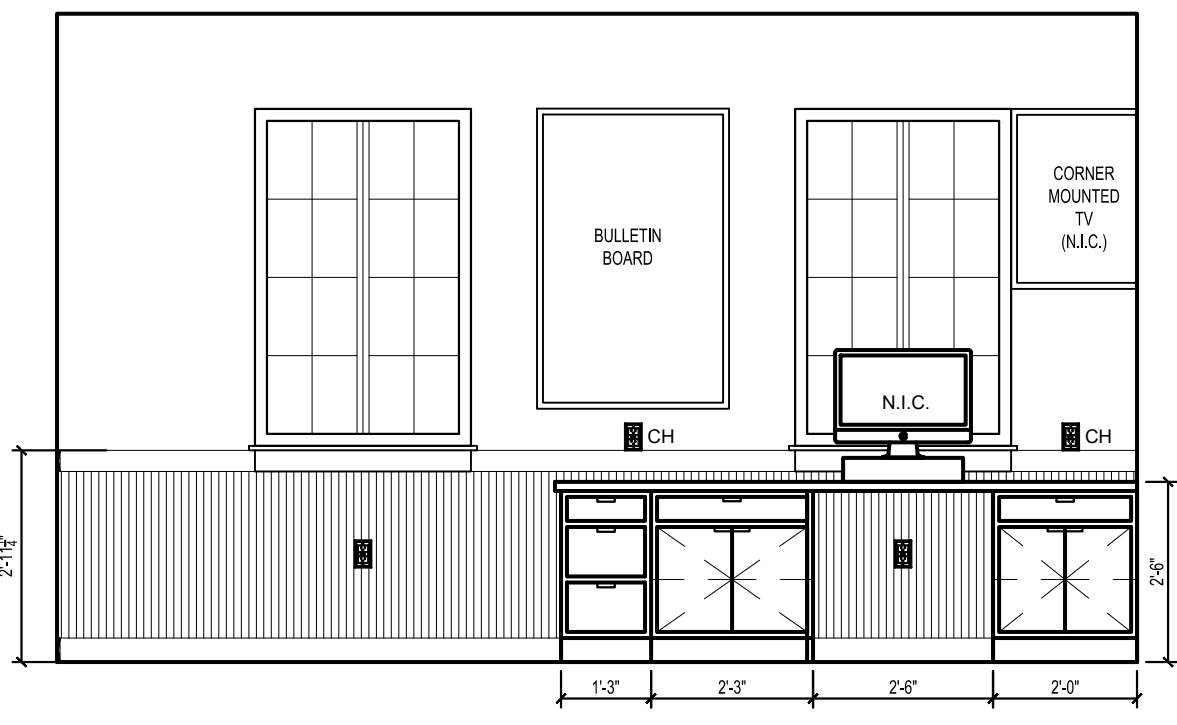
PROJECT  
**REA PARK CLUBHOUSE**  
**RENOVATIONS**

JOB NUMBER  
**2214**  
DATE  
**09/22/23**  
SHEET TITLE  
**REFLECTED CEILING PLANS**  
SHEET

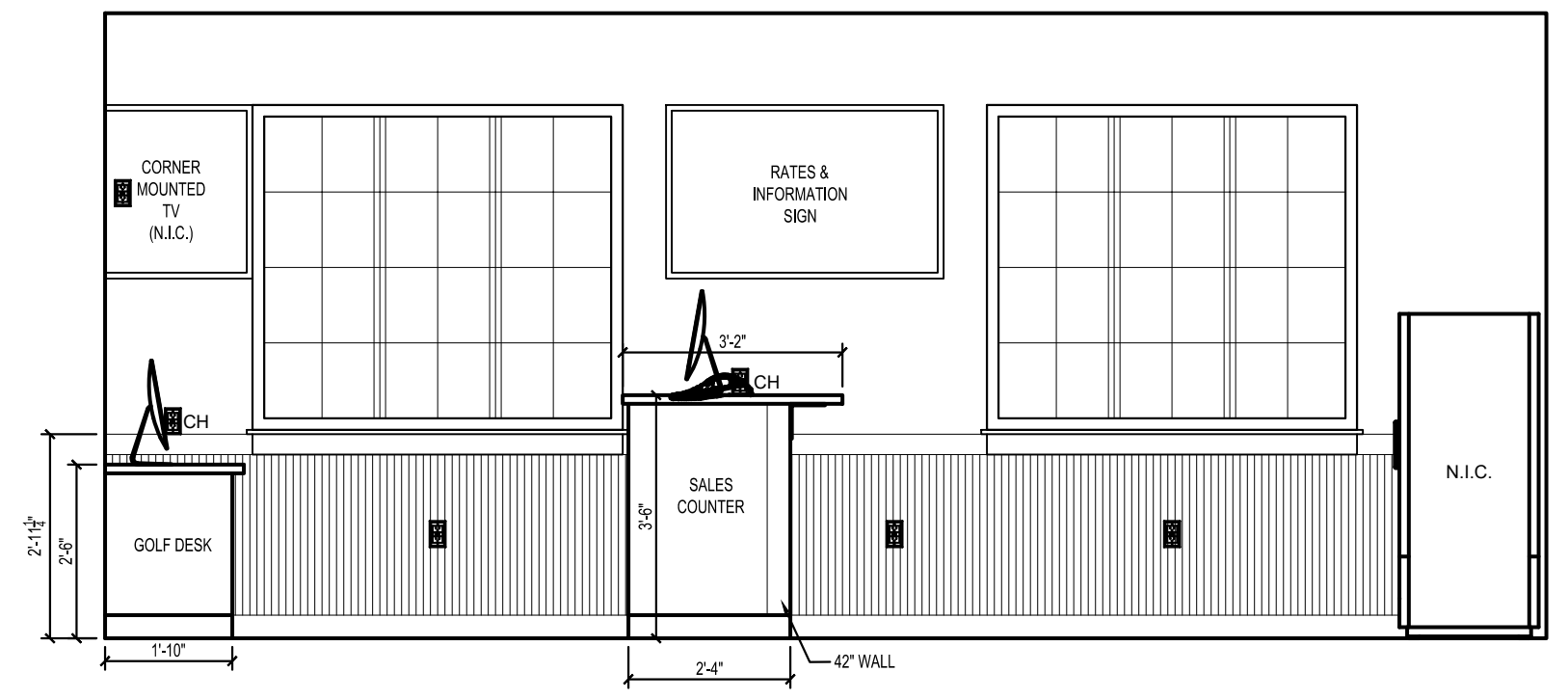
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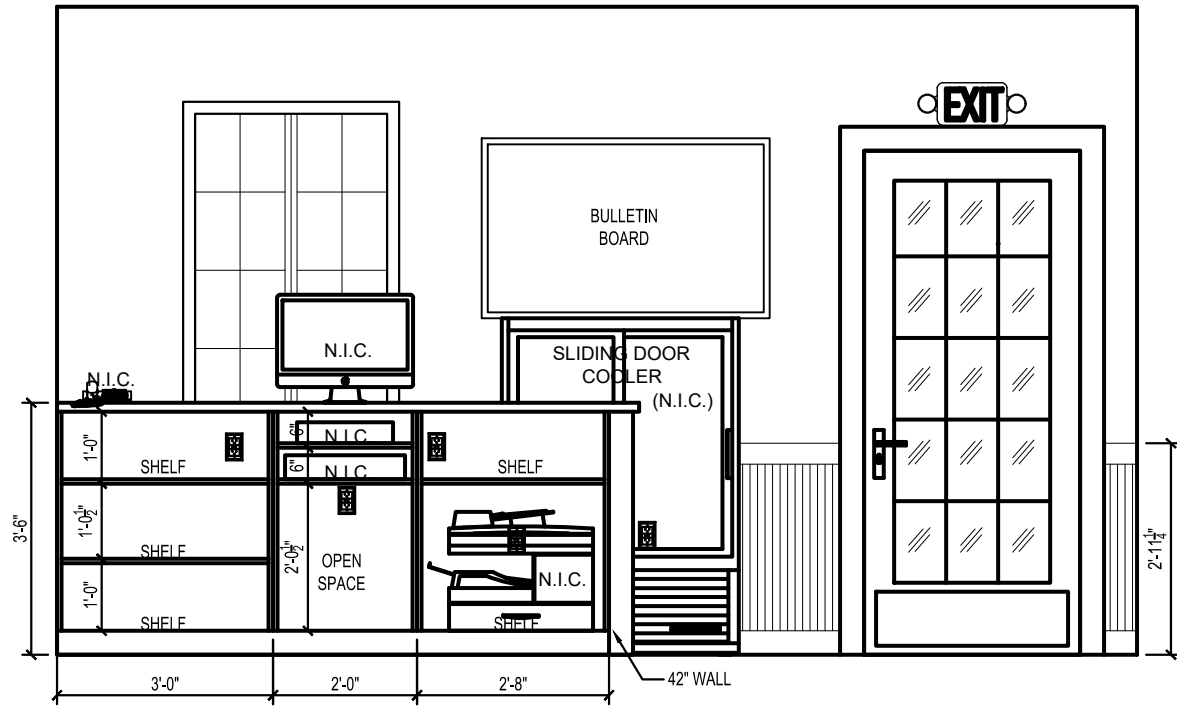
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SCALE: 1/4" = 1'-0"



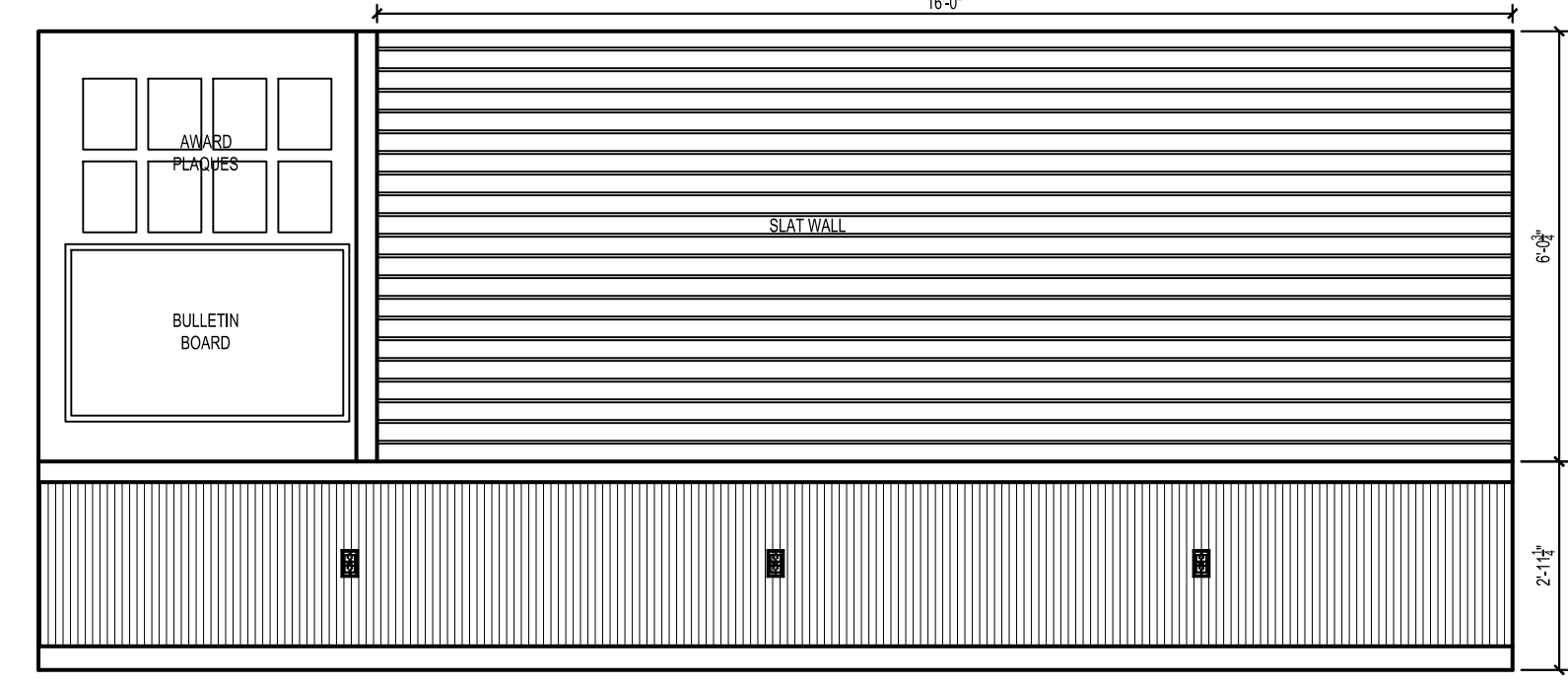
2 NORTH PRO-SHOP  
SCALE: 3/8" = 1'-0"



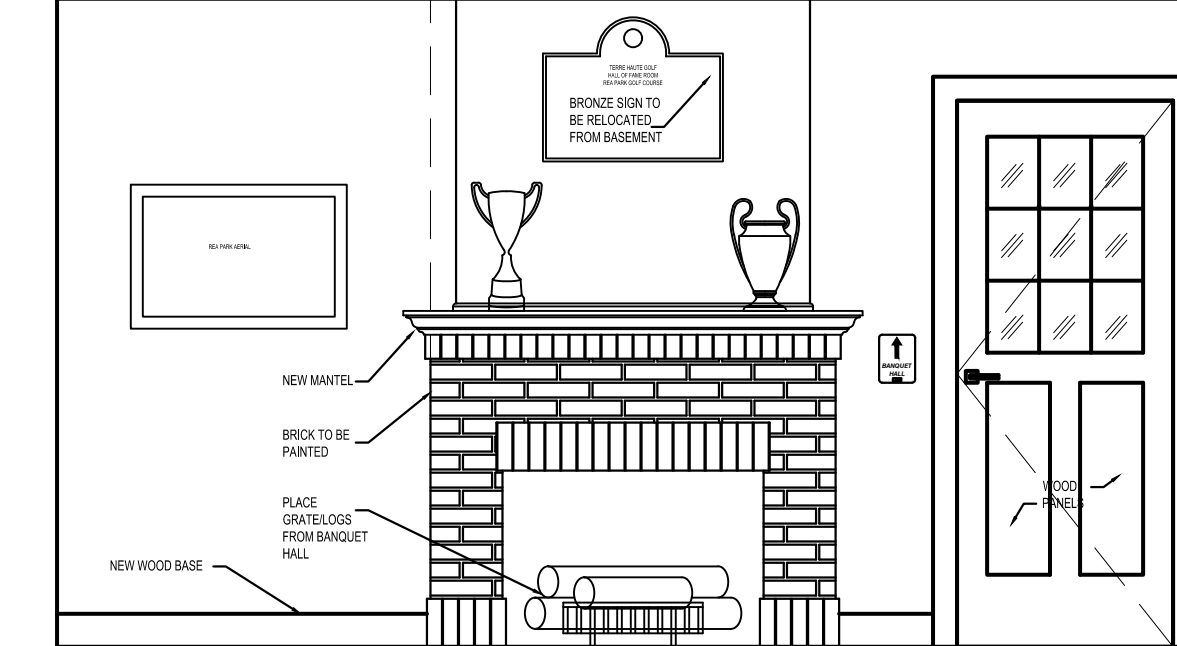
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SCALE: 3/8" = 1'-0"



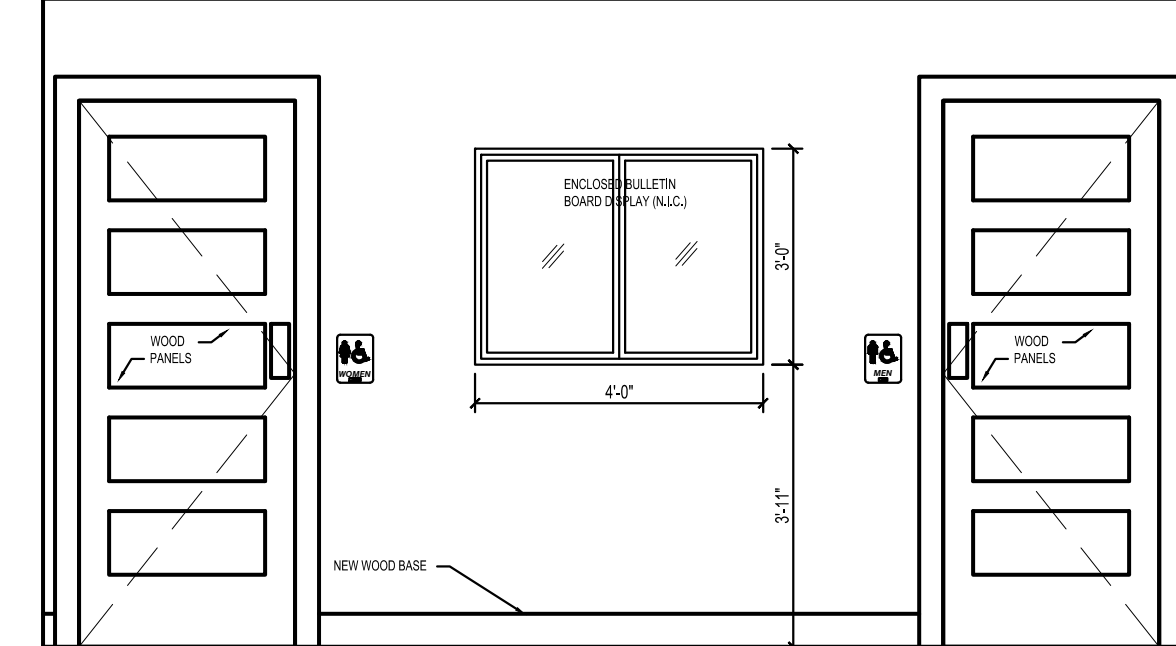
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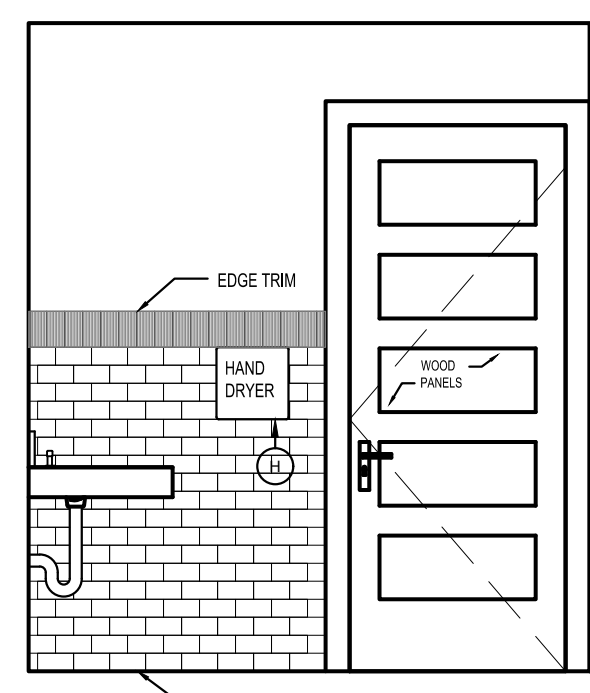
5 WEST PRO-SHOP  
SCALE: 3/8" = 1'-0"



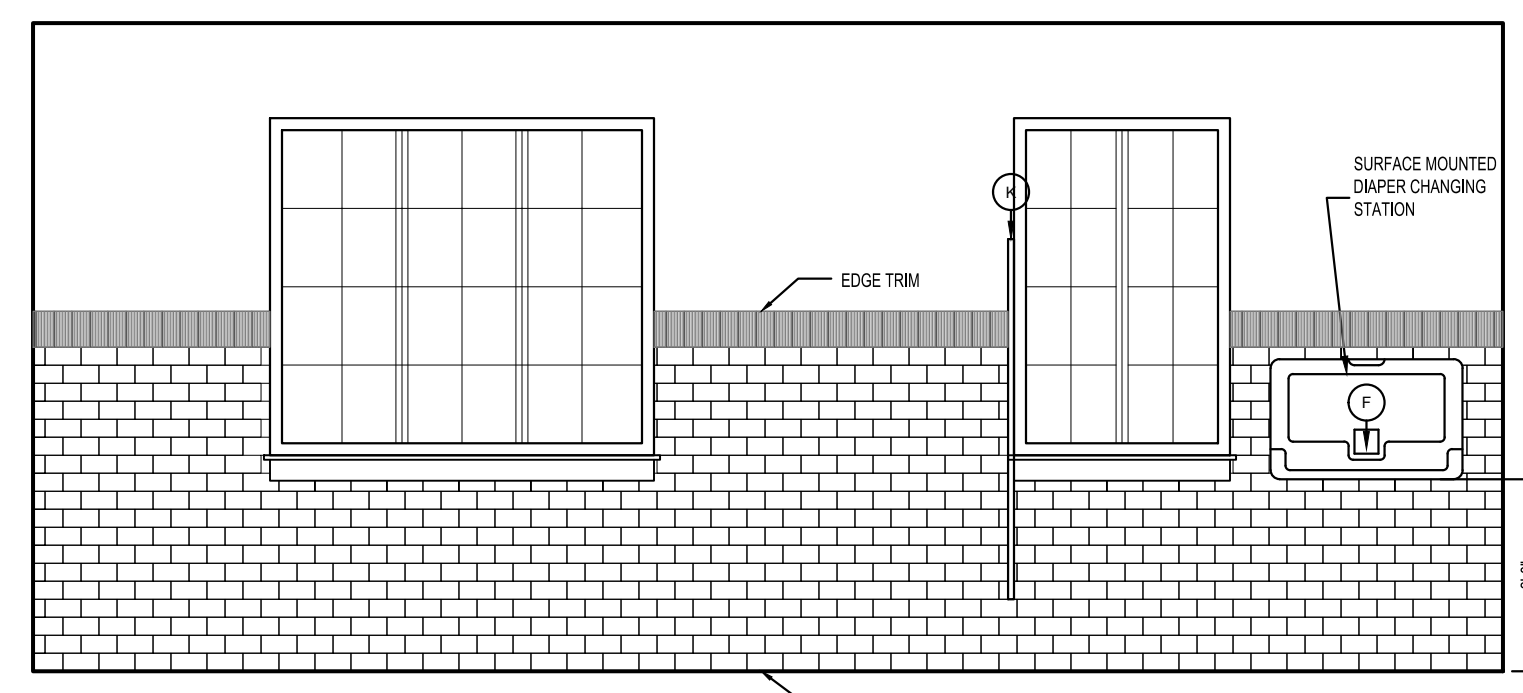
6 SOUTH HALL  
SCALE: 3/8" = 1'-0"



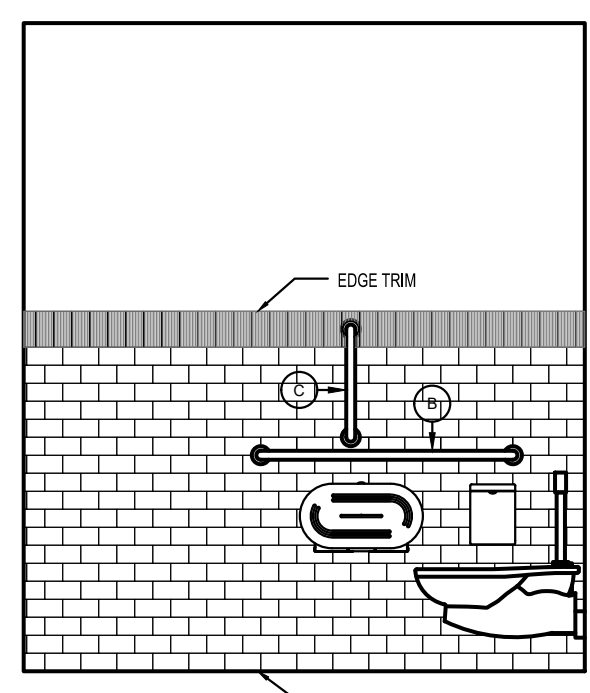
7 NORTH HALL  
SCALE: 3/8" = 1'-0"



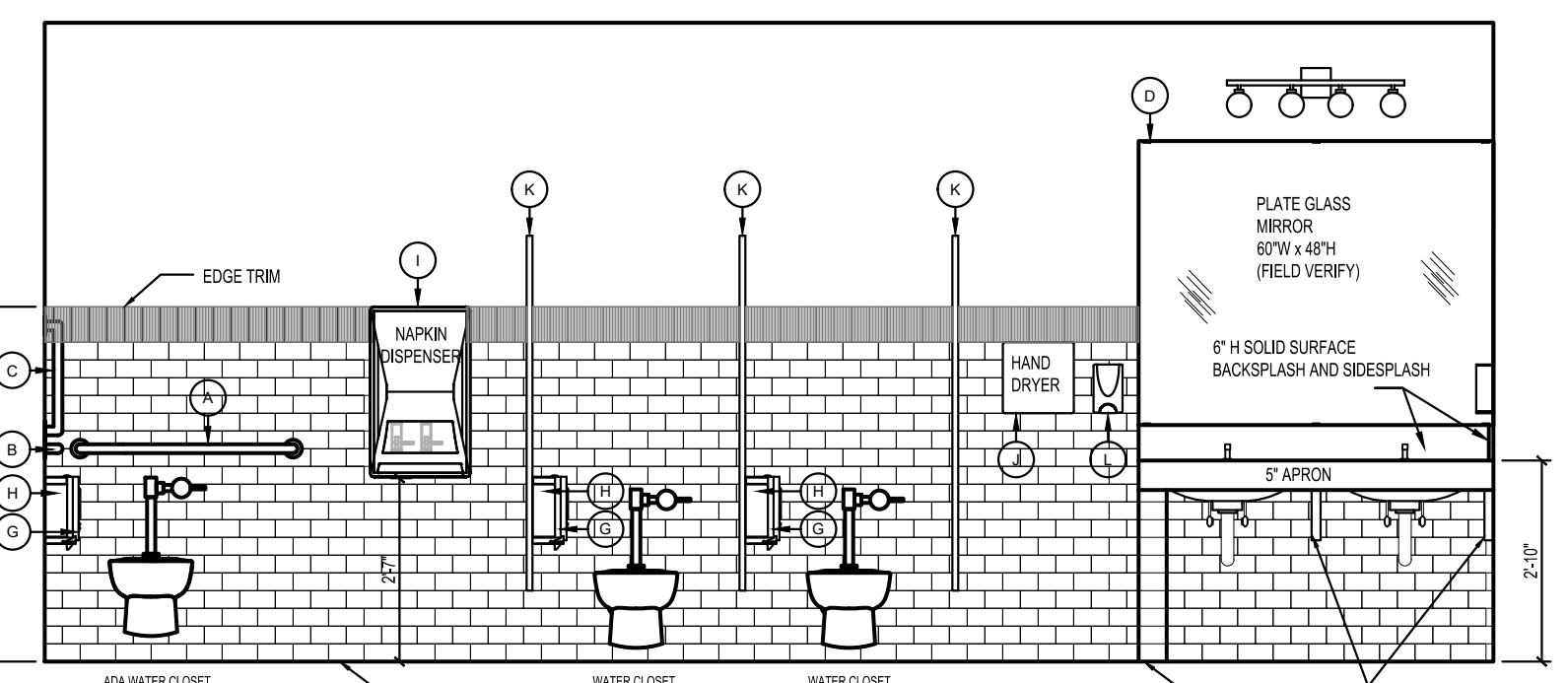
8 SOUTH WOMEN  
SCALE: 3/8" = 1'-0"



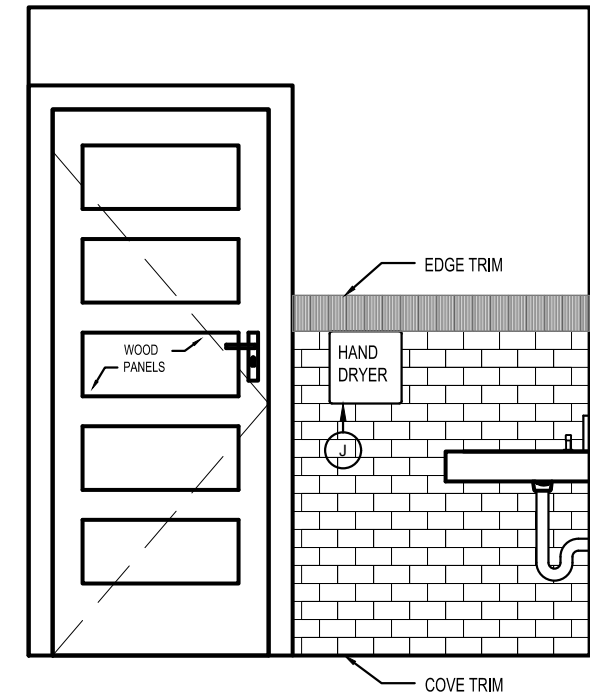
9 WEST WOMEN  
SCALE: 3/8" = 1'-0"



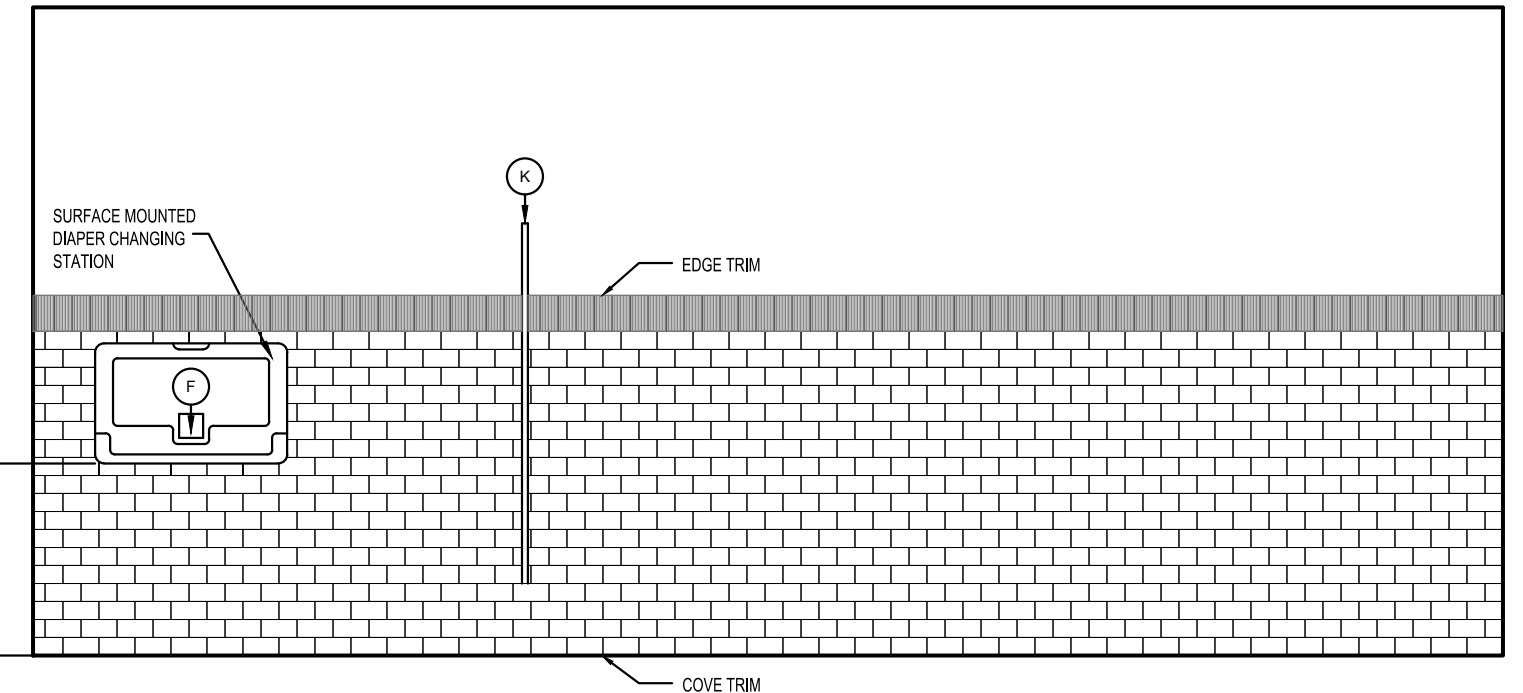
10 NORTH WOMEN  
SCALE: 3/8" = 1'-0"



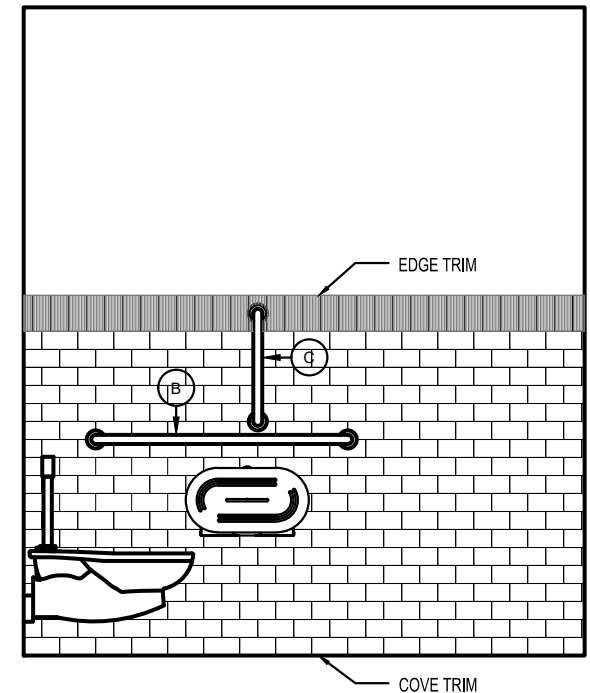
11 EAST WOMEN  
SCALE: 3/8" = 1'-0"



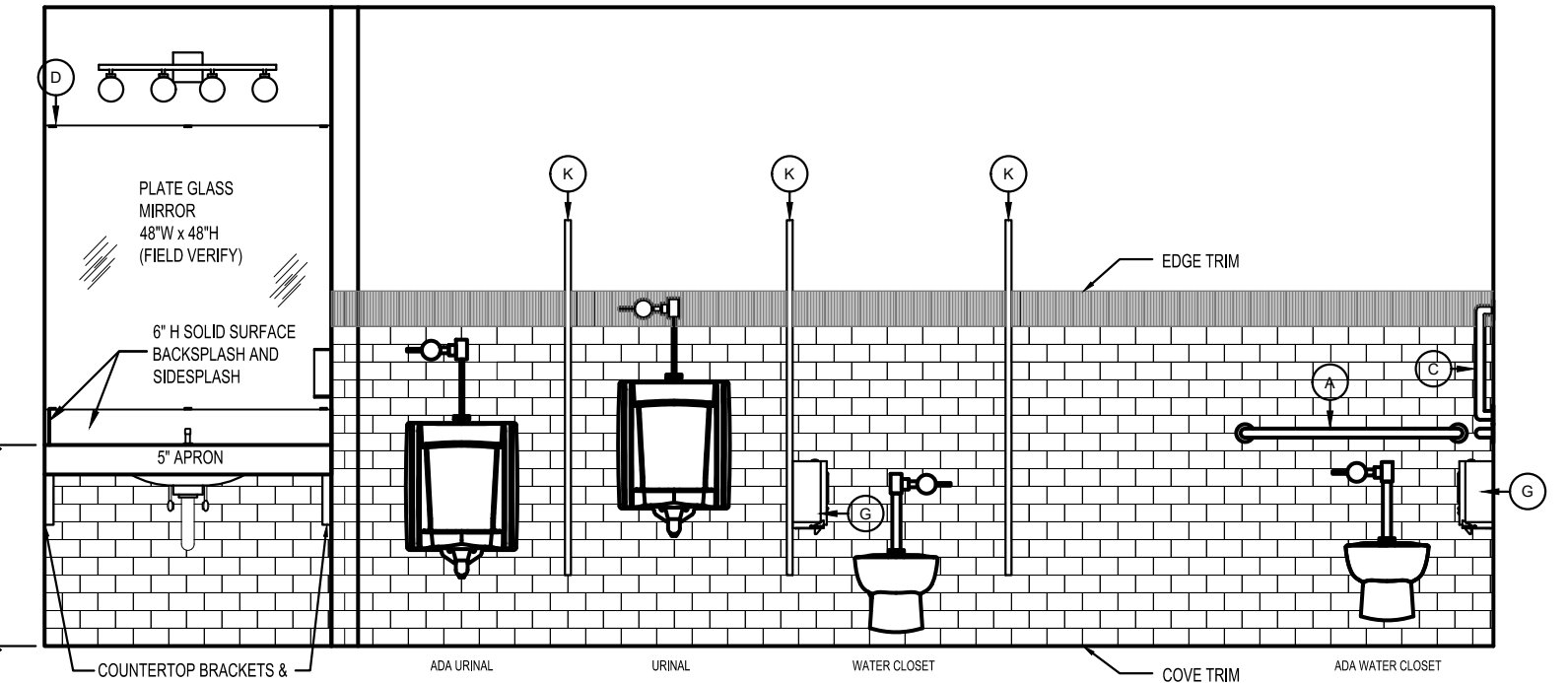
12 SOUTH MEN  
SCALE: 3/8" = 1'-0"



13 EAST MEN  
SCALE: 3/8" = 1'-0"



14 NORTH MEN  
SCALE: 3/8" = 1'-0"



15 WEST MEN  
SCALE: 3/8" = 1'-0"

TOILET ROOM FIXTURES & ACCESSORIES LEGEND				
MARK	SYMBOL	ACCESSORY	MANUFACTURER / MODEL	NO.
A		36" LONG X 1-1/2" DIA. HORIZONTAL GRAB BAR	BRADLEY GRAB BAR 18" 18-GAUGE TYPE 304 S.S. 1-1/2" DIA. B-6806 X 36	2
B		42" LONG X 1-1/2" DIA. HORIZONTAL GRAB BAR	BRADLEY GRAB BAR 18" 18-GAUGE TYPE 304 S.S. 1-1/2" DIA. B-6806 X 42	2
C		18" LONG X 1-1/2" DIA. VERTICAL GRAB BAR	BRADLEY GRAB BAR 18" 18-GAUGE TYPE 304 S.S. 1-1/2" DIA. B-6806 X 18	2
D		1/4" PLATE GLASS MIRROR	FIELD VERIFY SIZE	2
F		SURFACE MOUNTED DIAPER CHANGING STATION	KOALA KARE KB300-SS HORIZONTAL WALL MOUNTED BABY CHANGING STATION	2
G		SURFACE MOUNTED TOILET PAPER DISPENSER	BRADLEY SURFACE-MOUNTED MODEL# 5425 ADA COMPLIANT. HOLDS 2(9" ROLLS) FINISH: 18 GAUGE SATIN STAINLESS STEEL	2
H		SURFACE MOUNTED FEMININE HYGENIE RECEPTAL	BRADLEY SURFACE-MOUNTED MODEL# 4A10 ADA COMPLIANT FINISH: 18 GAUGE SATIN STAINLESS STEEL	3
I		SURFACE MOUNTED NAPKIN DISPENSER	BRADLEY SURFACE-MOUNTED MODEL# 407-11 ADA COMPLIANT FINISH: 18 GAUGE SATIN STAINLESS STEEL	1
J		120V SURFACE-MOUNTED HAND DRYER	EXCELDRYER.COM XLERATOR <sup>®</sup> HAND DRYER XL-SB-ECO BRUSHED STAINLESS STEEL. DRY TIME: 10 SECONDS WATTAGE: 425-530 DIE-CAST ZINC ALLOY	3
K		ROBE HOOK NOTE: INSTALL 48" MAXIMUM ABOVE FINISH FLOOR	BRADLEY SURFACE-MOUNTED HEAVY DUTY ROBE HOOK RH 19-81 FINISH SATIN CHROME FINISH BRADLEX	3
L		SURFACE MOUNTED SOAP DISPENSER	BRADLEY SURFACE-MOUNTED SOAP DISPENSER MODEL 6A. FINISH STAINLESS STEEL. OWNER TO VERIFY FOAM OR LIQUID SOAP	2
		60" CLEAR DIAMETER CIRCLE		

REVISIONS

NO.	DATE

Daniel E. Sanders  
REGISTERED  
ARCHITECT  
STATE OF INDIANA  
No. 47807

PROJECT: REA PARK CLUBHOUSE RENOVATIONS

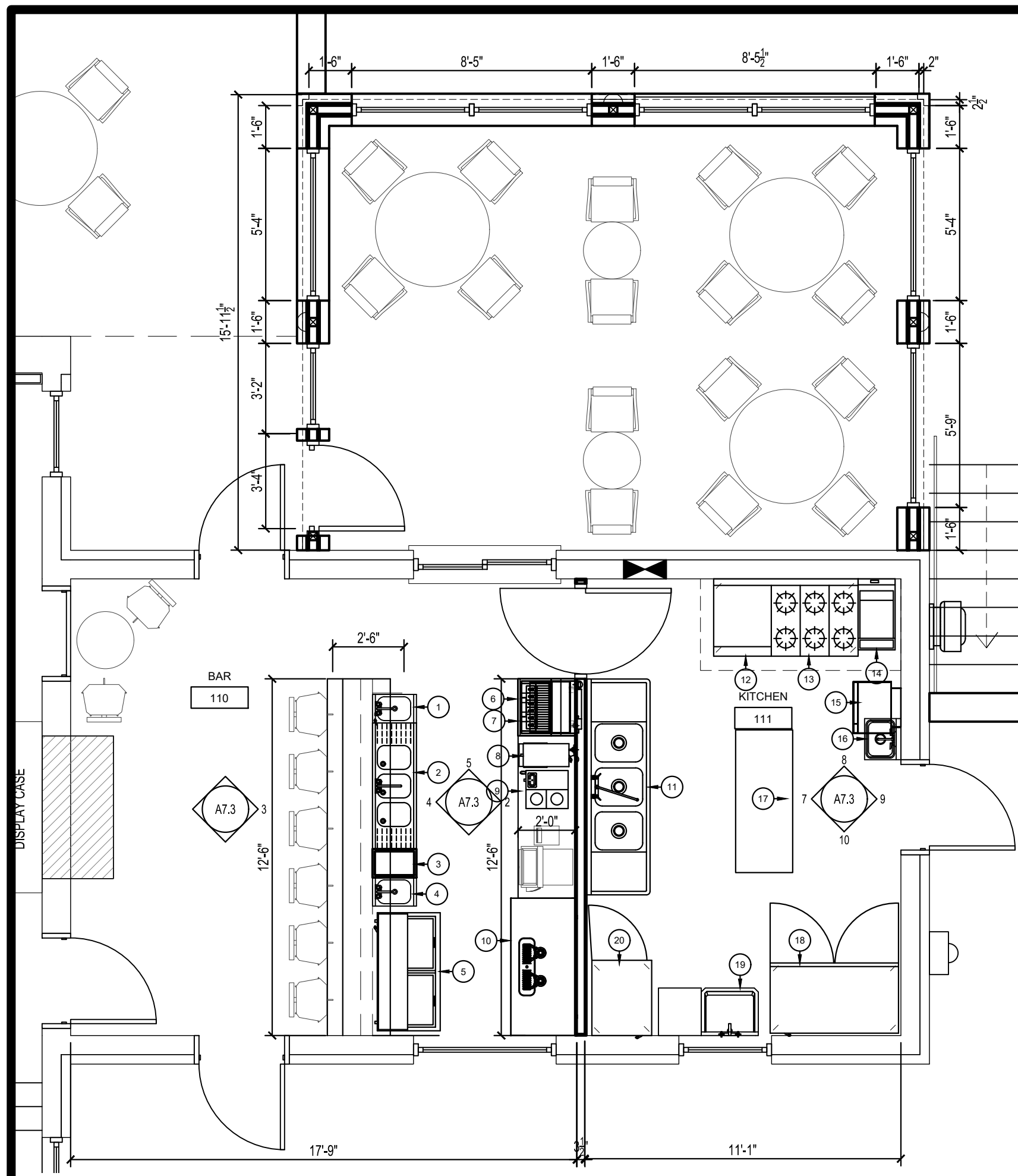
DESIGNED BY: D. SANDERS  
DRAWN BY: AJ/DC  
CHECKED BY: D. SANDERS

Sanders and Associates, Inc.  
305 SOUTH WINDYBUSH STREET  
TERRE HAUTE, INDIANA 47807  
PHONE (812) 232-5556

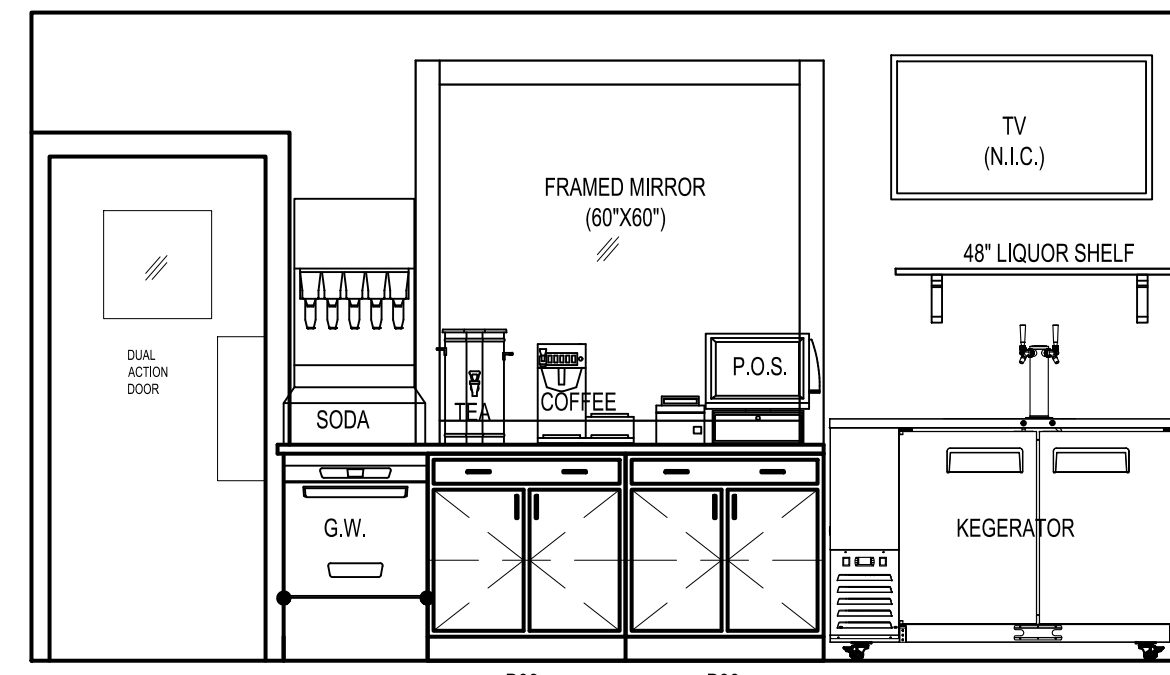
PROJECT: REA PARK CLUBHOUSE RENOVATIONS

JOB NUMBER: 2214  
DATE: 09/22/23  
SHEET TITLE: PRO-SHOP/RESTROOMS  
SHEET: A-7.2

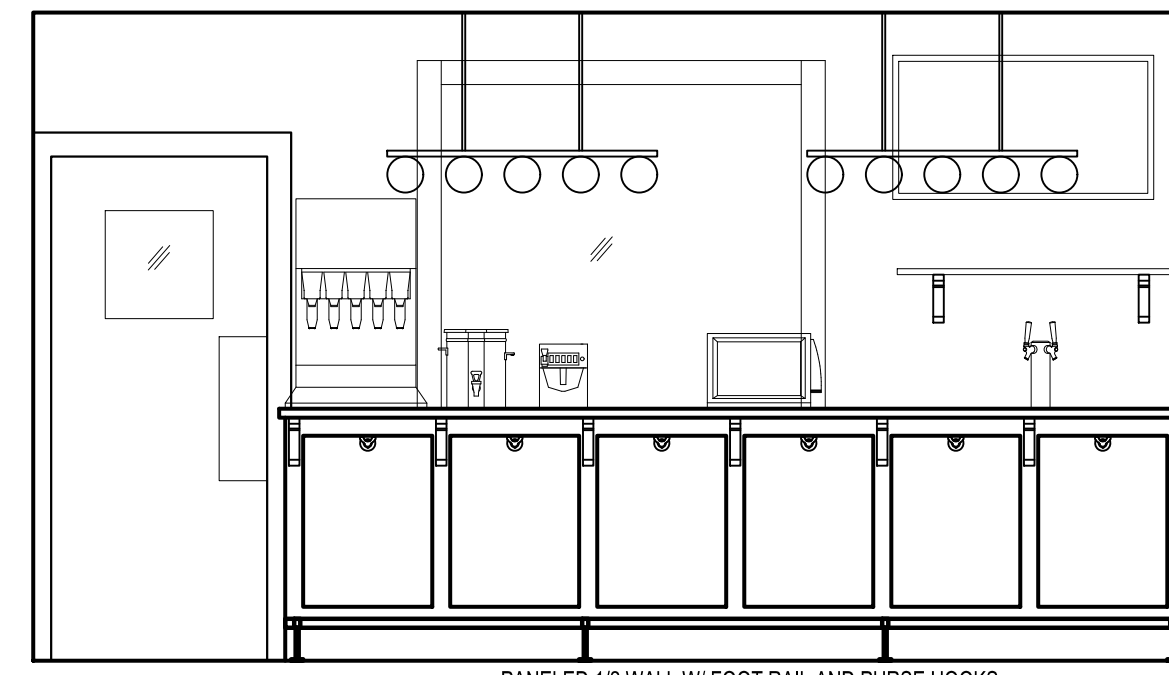
ALL PRODUCTS LISTED OR EQUAL



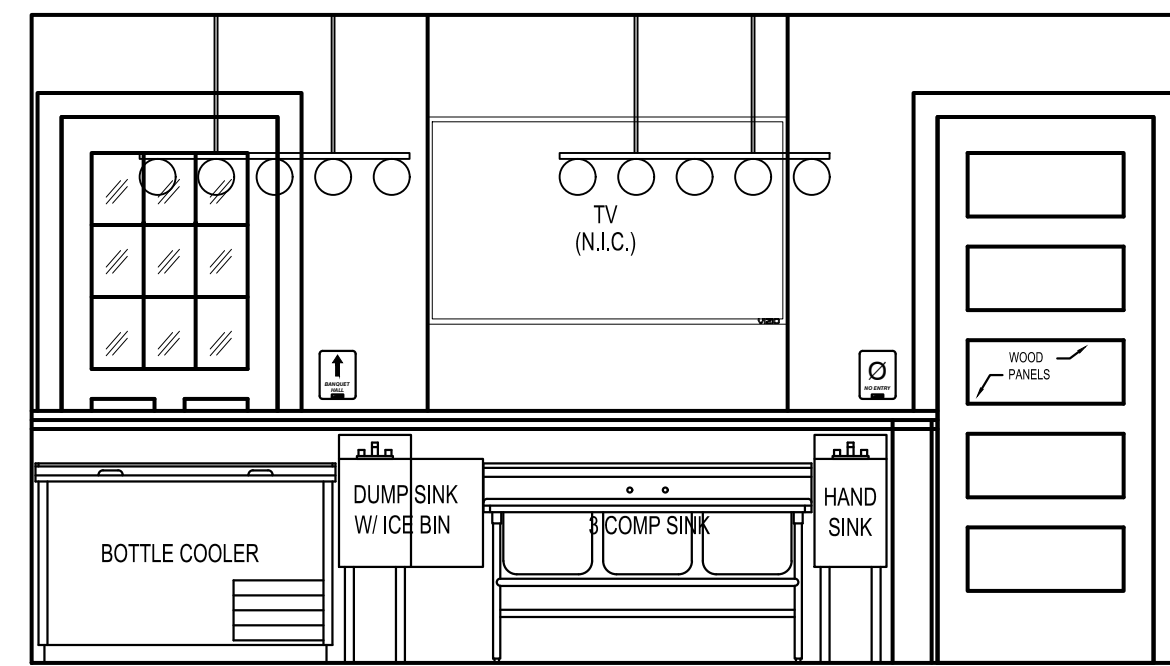
1 ENLARGED SOUTH WING PLAN  
A-7.3 SCALE: 1/4" = 1'-0"



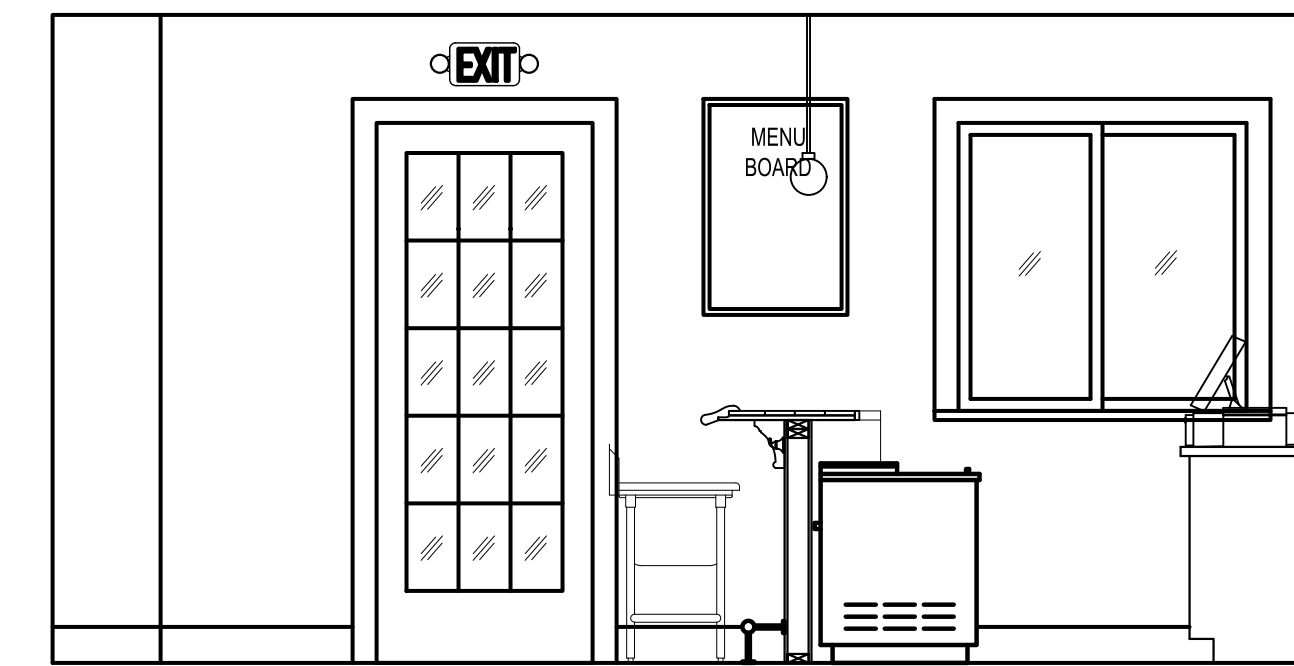
2 FRONT OF BACK BAR  
A-7.3 SCALE: 3/8" = 1'-0"



3 FRONT OF BAR  
A-7.3 SCALE: 3/8" = 1'-0"



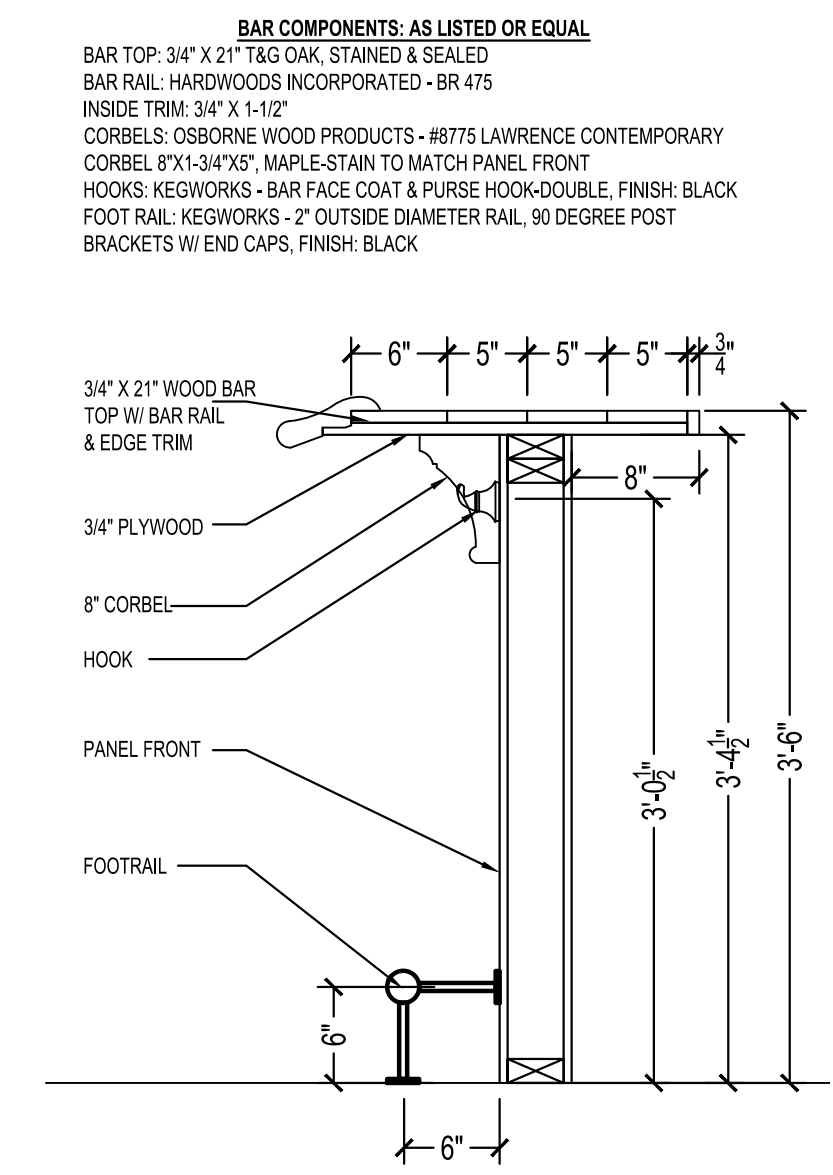
4 BACK OF BAR  
A-7.3 SCALE: 3/8" = 1'-0"



5 THRU BAR  
A-7.3 SCALE: 3/8" = 1'-0"

BAR EQUIPMENT SCHEDULE		
MARK	TYPE	MANUFACTURER / MODEL
1	UNDERBAR HAND SINK	JOHN BOOS MODEL NO. UBHS-1812-X W/ PBF-4SM2-3GLF-X HEAVY DUTY FAUCET
2	UNDERBAR 3 COMPARTMENT SINK w/ DRAIN BOARD	JOHN BOOS MODEL NO. UBS3-1860-2D12-X W/ PBF-4SM2-10LF-X HEAVY DUTY FAUCET
3	UNDERBAR ICE BIN	JOHN BOOS MODEL NO. UBHS-1812-X W/ DROP-IN INSUL. ICE BIN, W/O COLD PLATE
4	UNDERBAR DUMP SINK	JOHN BOOS MODEL NO. UBHS-1812-X W/ PBF-4SM2-6LF-X HEAVY DUTY FAUCET
5	BOTTLE COOLER	TRUE MFG. MODEL NO. TD-50-18-HC 24CS CAN CAPACITY, 115V/60/1-PH, 1.9 AMPS
6	SODA FOUNTAIN	SUPPLIED BY SODA DISTRIBUTOR
7	UNDERCOUNTER GLASSWASHER	JACKSON WWX MODEL NO. DELTA 115 1200 GLASSES/HOUR, 115V/60/1-PH, 12.9 AMPS
8	ICED TEA BREWER	BUNN MODEL NO. 36700.0013 W/ DISPENSER 120V/60/1-PH, 1730 W, 14.4 AMPS
9	COFFEE BREWER	BUNN MODEL NO. 12950.0212 W/ DECANTERS 120V/60/1-PH, 1670 W, 13.9 AMPS
10	DRAFT BEER COOLER	TRUE MFG. MODEL NO. TDD-2-HC (2) 1/2 KEG CAPACITY, 115V/60/1-PH, 2.8 AMPS

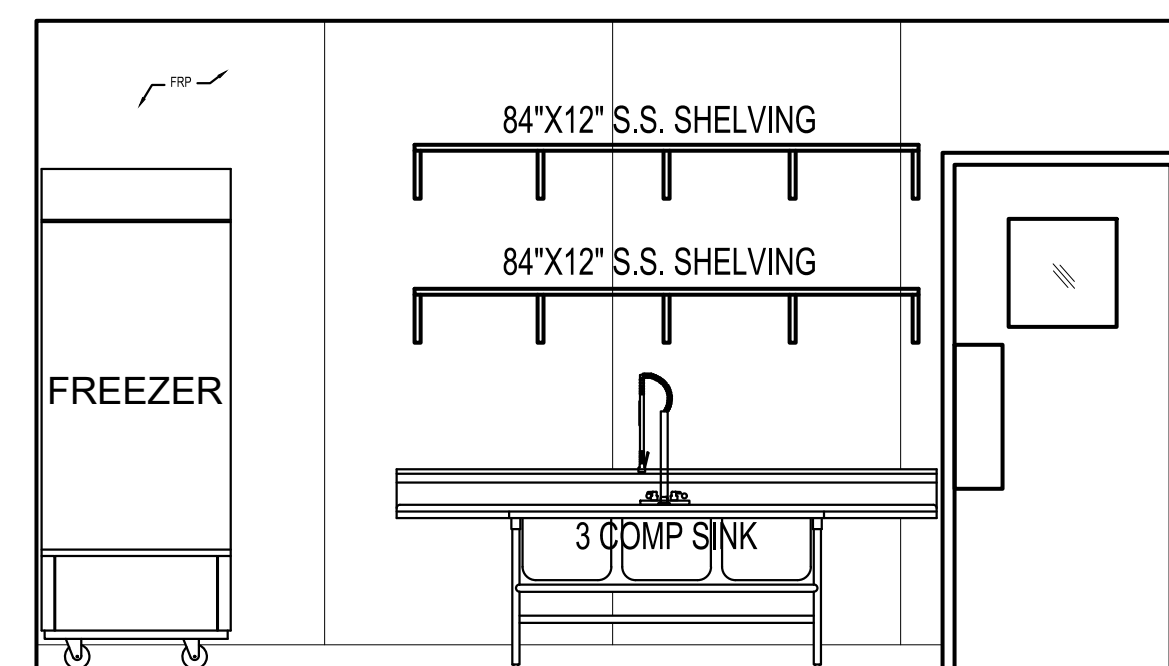
\*ALL PRODUCTS LISTED OR EQUAL



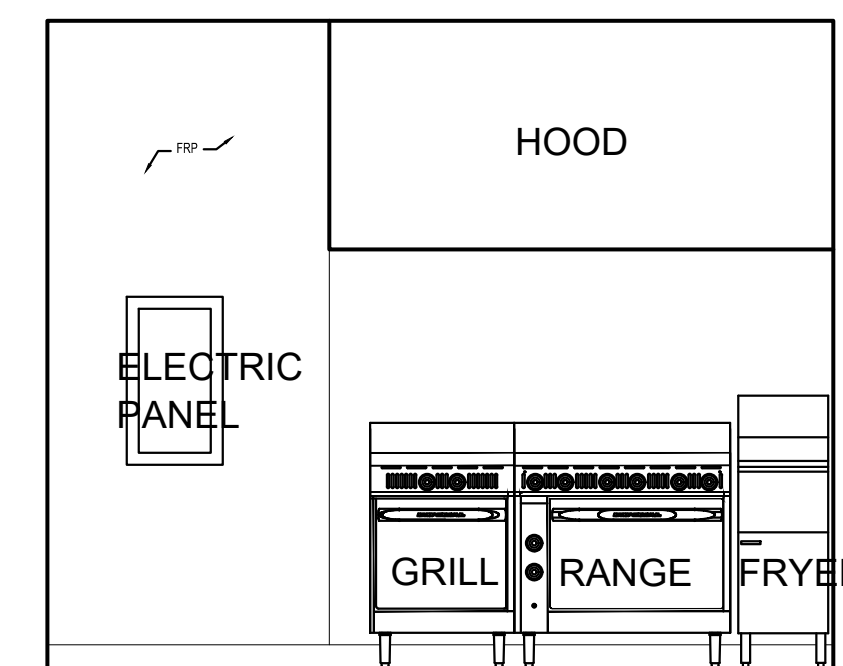
6 BAR SECTION  
A-7.3 SCALE: 3/8" = 1'-0"

KITCHEN EQUIPMENT SCHEDULE		
MARK	TYPE	MANUFACTURER / MODEL
11	3-COMPARTMENT SINK w/ DRAIN BOARDS & WALL SHELVES	JOHN BOOS MODEL NO. 3B16204-2D18-X W/ T&S BRASS B-0133-ADF12-B FAUCET & BHS1284PR-14/304 SHELVES
12	36" RANGE - 6 BURNERS (GAS)	IMPERIAL MODEL NO. IR-6 227,000 BTU, 67KW
13	COUNTERTOP GRIDDLE (GAS)	IMPERIAL MODEL NO. ITG-24 60,000 BTU, 18KW
14	FLOOR FRYER (GAS)	IMPERIAL MODEL NO. IFS-40 105,000 BTU
15	WALL HUNG MICROWAVE	PANASONIC MODEL NO. NE-12521 120V/60/1-PH, 17.3 AMPS, 1200 W, 6 CF W/ JOHN BOOS BMS2024 MICROWAVE SHELF
16	WALL HUNG HAND SINK	JOHN BOOS MODEL NO. PBHS-W-1410-P W/ SPLASH MOUNT FAUCET
17	STAINLESS STEEL TABLE w/ OVERSHELVES	JOHN BOOS MODEL NO. ST6-2460SSK-X W/ OSE26FK-1260 MOUNTED OVERSHELVES
18	2-DOOR REACH-IN REFRIGERATOR (QUANTITY: 2)	TRUE MFG. MODEL NO. T-49-HC 1/2 HP, 115V/60/1-PH, 5.4 AMPS
19	PREP TABLE w/ SINK	JOHN BOOS MODEL NO. EPT8R5-3048GSK-L W/ FAUCET
20	SINGLE DOOR REACH-IN FREEZER	TRUE MFG. MODEL NO. T-23F-HC 1/2 HP, 115V/60/1-PH, 3.7 AMPS
21	ICE MACHINE w/ BIN & FILTER (QUANTITY: 2) LOCATION - BASEMENT	MANITOWOC MODEL NO. IY70500A 550L/24 HR W/ D570 ICE BIN 6,000 BTU, 115V/60/1-PH, 11.5 AMPS

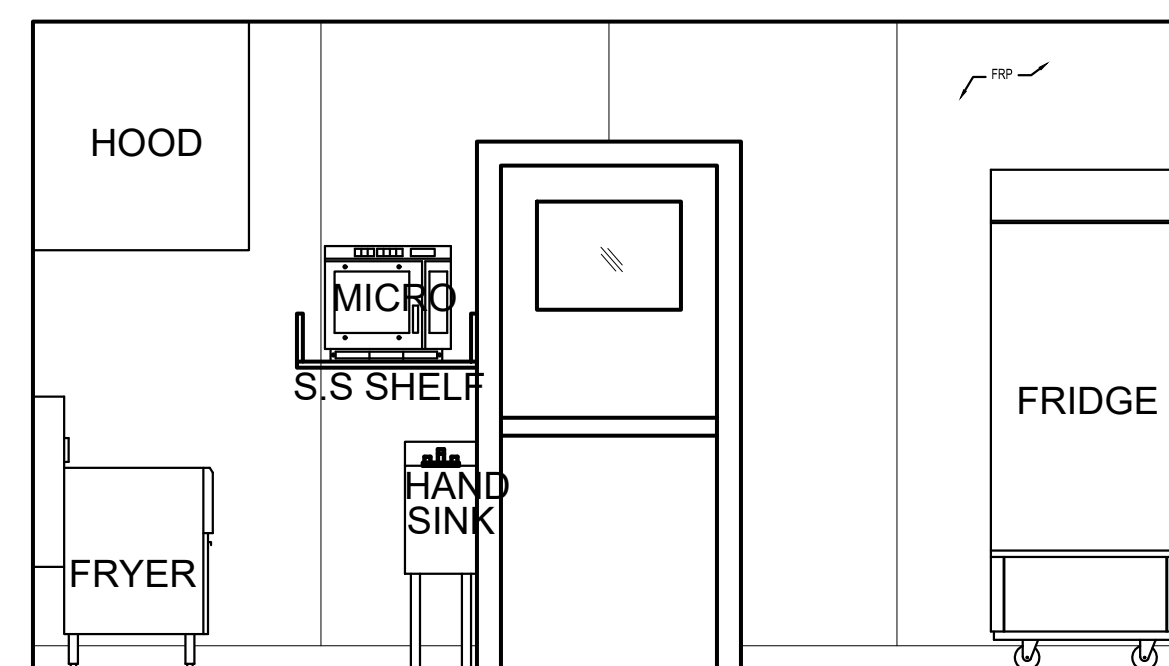
\*ALL PRODUCTS LISTED OR EQUAL



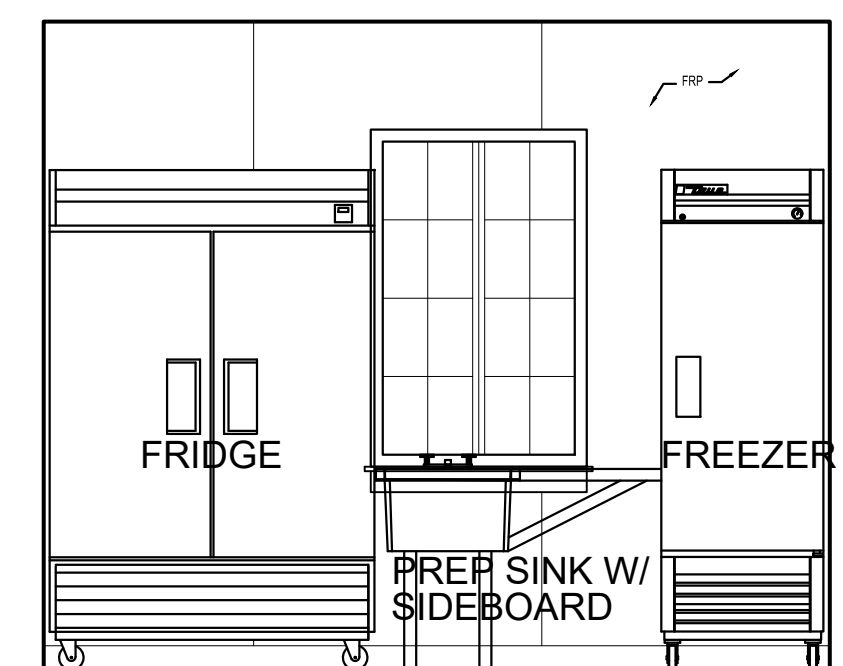
7 NORTH KITCHEN  
A-7.3 SCALE: 3/8" = 1'-0"



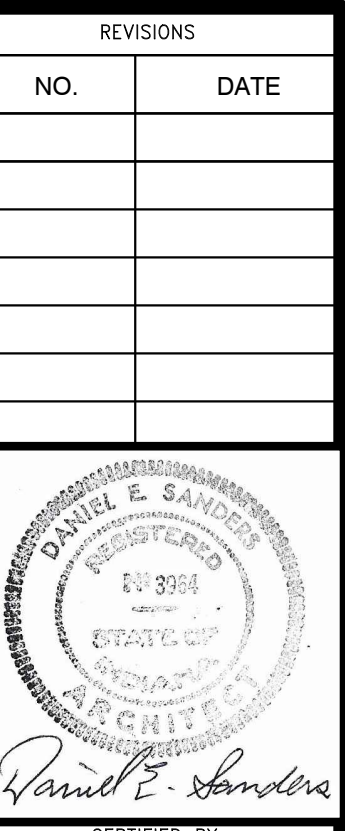
8 EAST KITCHEN  
A-7.3 SCALE: 3/8" = 1'-0"



9 SOUTH KITCHEN  
A-7.3 SCALE: 3/8" = 1'-0"



10 WEST KITCHEN  
A-7.3 SCALE: 3/8" = 1'-0"



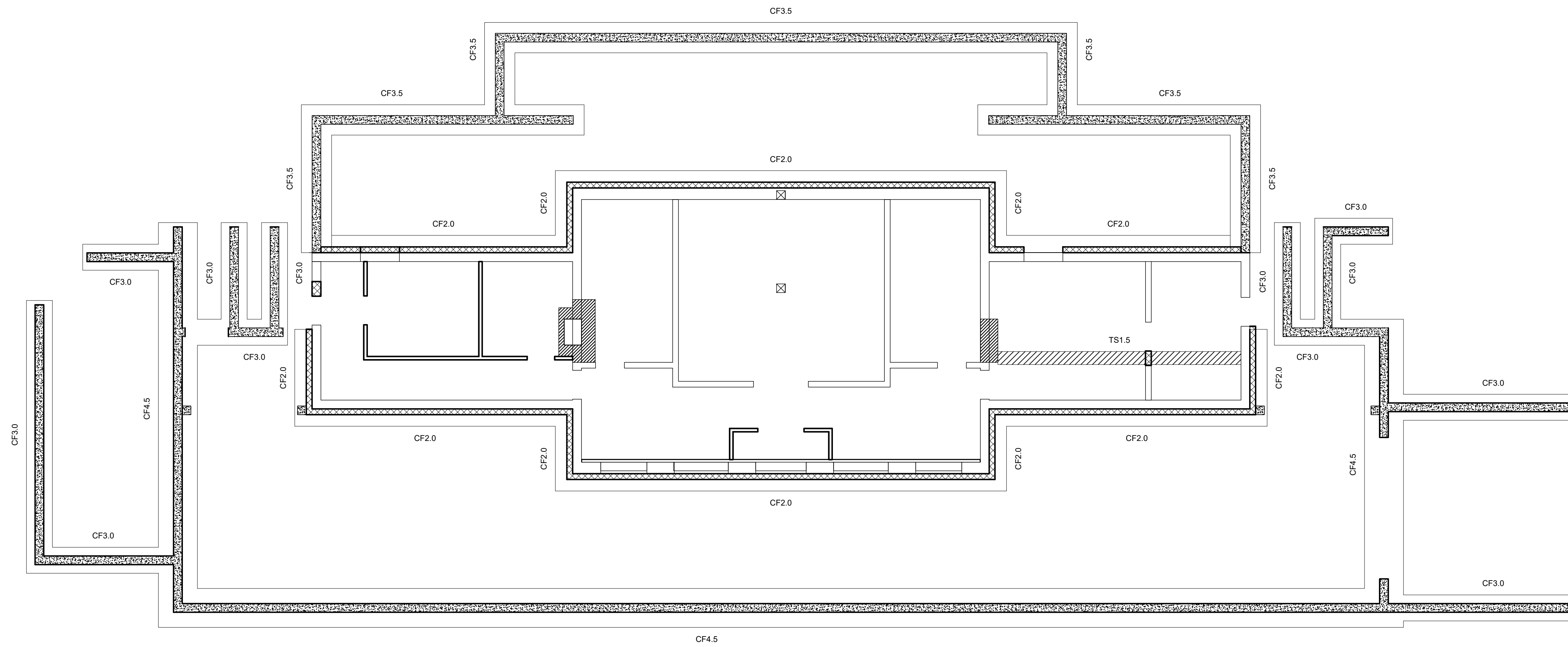
D. SANDERS  
DRAWN BY  
AJ/DC  
CHECKED BY  
D. SANDERS

Sanders and Associates, Inc.  
200 SOUTH WILSON STREET  
TERRE HAUTE, INDIANA 47807  
PHONE (812) 232-5556

PROJECT  
**REA PARK CLUBHOUSE RENOVATIONS**

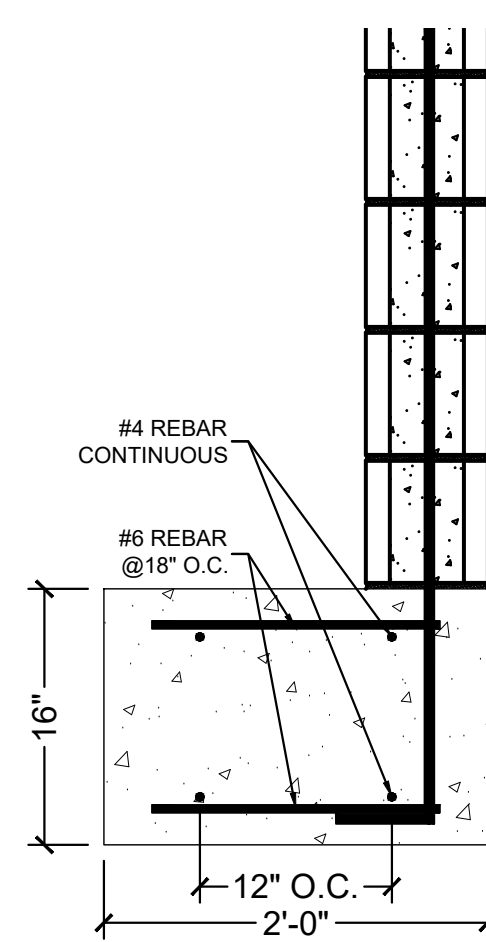
JOB NUMBER  
**2214**  
DATE  
**09/22/23**  
SHEET TITLE  
**KITCHEN/BAR DETAILS**

SHEET  
**A-7.3**

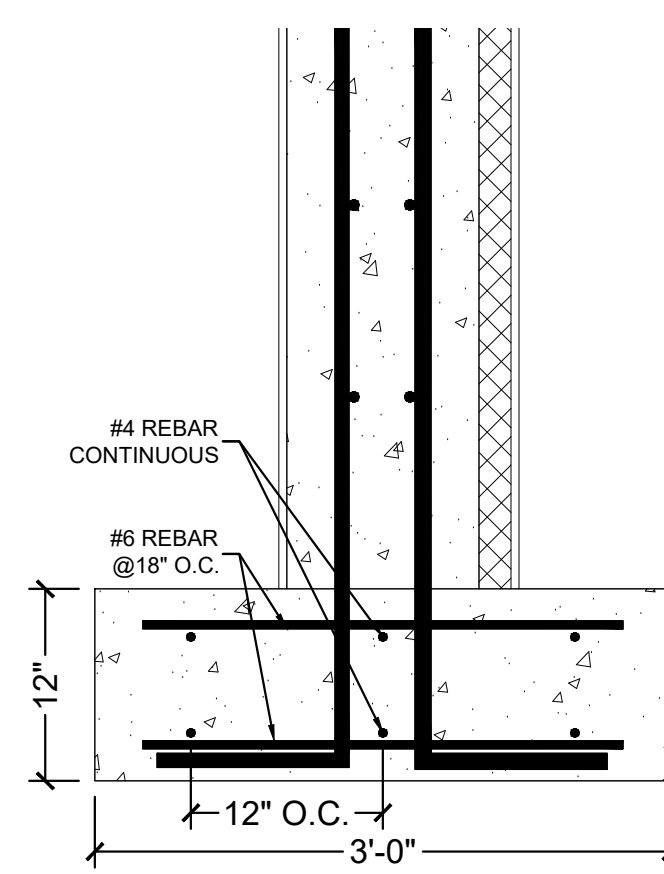


- NEW Poured CONCRETE
- NEW CONCRETE BLOCK
- NEW CONCRETE BLOCK TO INFILL EXISTING FOUNDATION OPENINGS
- NEW THICKENED SLAB

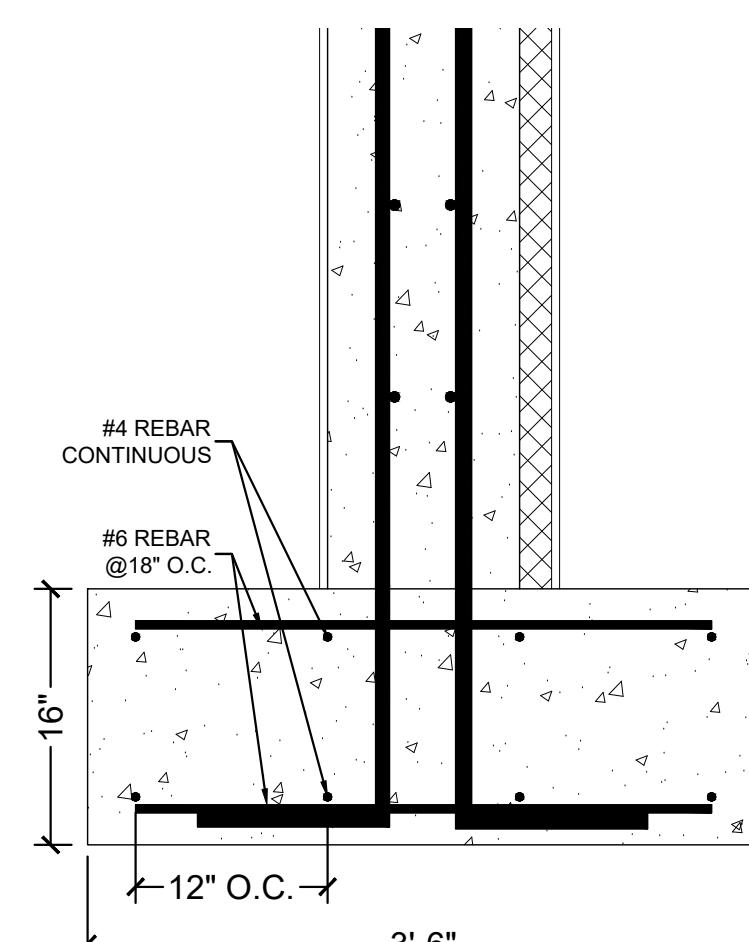
1 FOUNDATION PLAN  
SCALE: 1/8" = 1'-0"



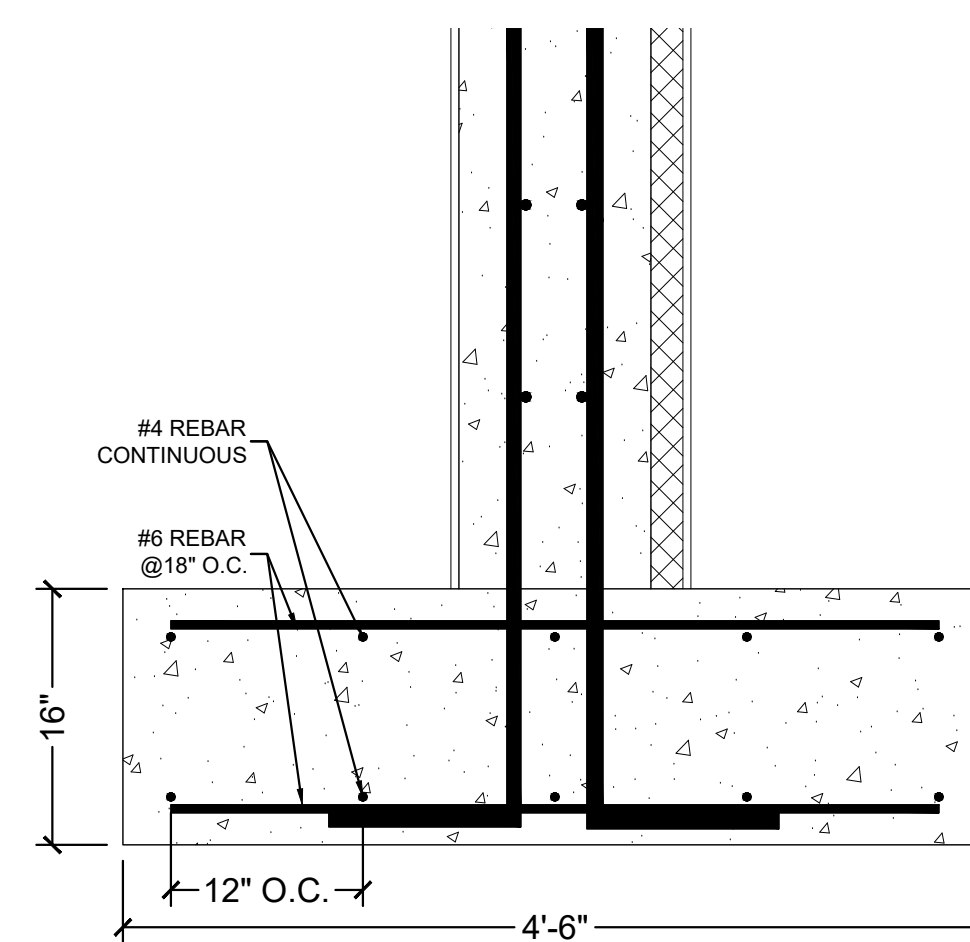
2 CF 2.0  
SCALE: 1" = 1'-0"  
(SISTER WALL)



3 CF 3.0  
SCALE: 1" = 1'-0"  
(BASEMENT WALL)



4 CF 3.5  
SCALE: 1" = 1'-0"  
(CRAWLSPACE WALL)



5 CF 4.5  
SCALE: 1" = 1'-0"  
(CART STORAGE WALL)

REVISIONS	
NO.	DATE

CERTIFIED BY  
**G. BRYANT**  
DRAWN BY  
**GB**  
CHECKED BY  
**G. BRYANT**

**BRYANT**  
ENGINEERING & CONSULTING, INC.

**Sanders and Associates, Inc.**  
300 S. SOUTH AVENUE  
TERRE HAUTE, INDIANA 47807  
PHONE (812) 232-5556

PROJECT  
**REA PARK CLUBHOUSE**  
**RENOVATIONS**

JOB NUMBER  
**2214**  
DATE  
**9/28/23**  
SHEET TITLE  
**FOUNDATION PLAN**

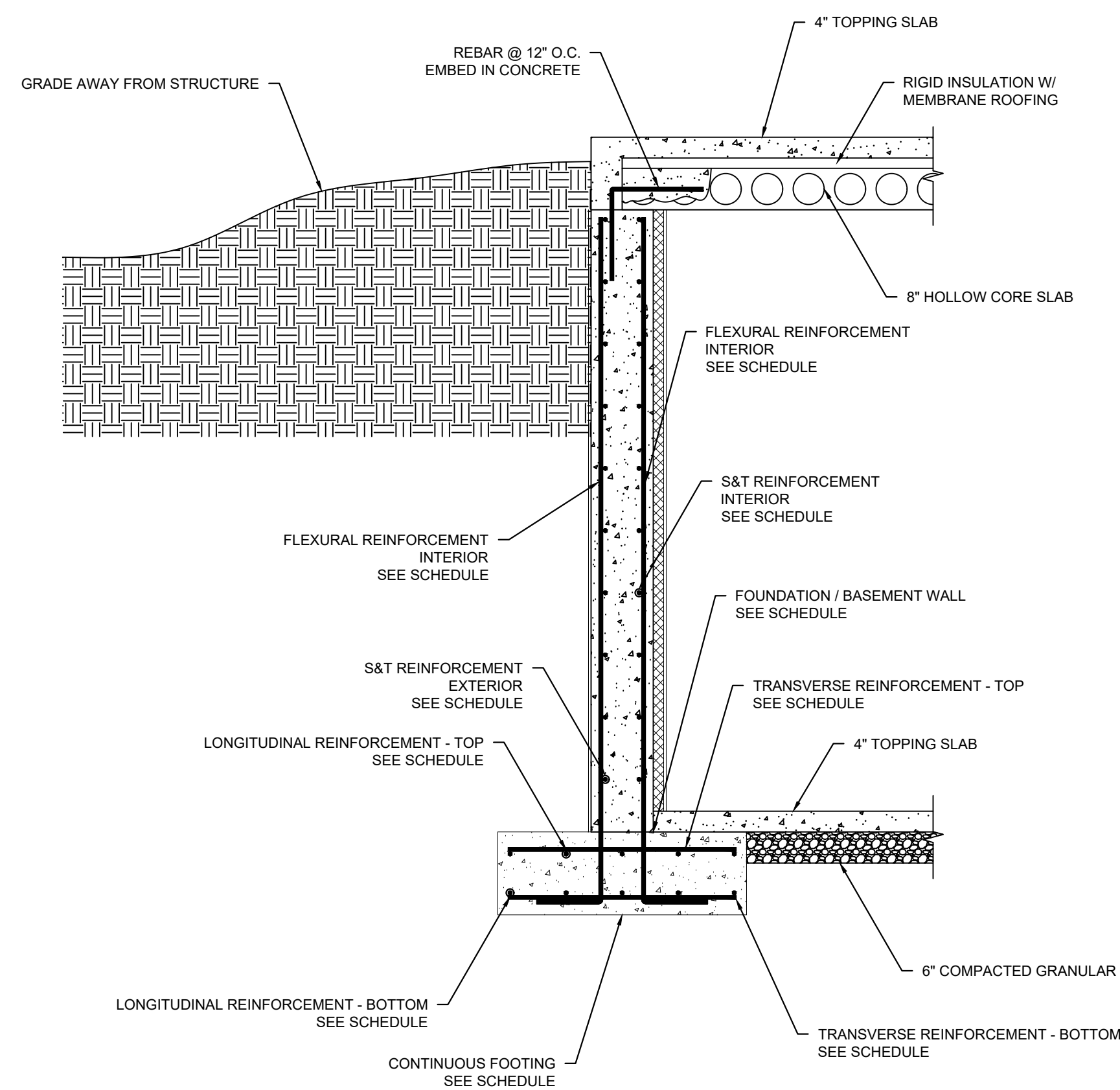
SHEET  
**F1.0**

CONTINUOUS FOOTING SCHEDULE							
MARK	WIDTH (FT.)	THICKNESS (IN.)	LONGITUDINAL REINFORCEMENT - TOP	TRANSVERSE REINFORCEMENT - TOP	LONGITUDINAL REINFORCEMENT - BOTTOM	TRANSVERSE REINFORCEMENT - BOTTOM	COMMENTS
CF2.0	2.0	16	#4 @ 12" O.C. CONTINUOUS	#6 @ 18" O.C.	#4 @ 12" O.C. CONTINUOUS	#6 @ 18" O.C.	
CF3.0	3.0	12	#4 @ 12" O.C. CONTINUOUS	#6 @ 18" O.C.	#4 @ 12" O.C. CONTINUOUS	#6 @ 18" O.C.	
CF3.5	3.5	16	#4 @ 12" O.C. CONTINUOUS	#6 @ 18" O.C.	#4 @ 12" O.C. CONTINUOUS	#6 @ 18" O.C.	
CF4.5	4.5	16	#4 @ 12" O.C. CONTINUOUS	#6 @ 18" O.C.	#4 @ 12" O.C. CONTINUOUS	#6 @ 18" O.C.	

CONCRETE WALL SCHEDULE - BASEMENT / CRAWLSPACE / RETAINING							
MARK	HEIGHT (FT.)	THICKNESS (IN.)	FLEXURAL REINFORCEMENT - INTERIOR	S&T REINFORCEMENT - INTERIOR	FLEXURAL REINFORCEMENT - EXTERIOR	S&T REINFORCEMENT - EXTERIOR	COMMENTS
CW10	SEE ARCH.	12	#8 @ 18" O.C.	#5 @ 12" O.C. CONTINUOUS	#7 @ 18" O.C.	#5 @ 12" O.C. CONTINUOUS	COORDINATE WALL HEIGHT WITH ARCHITECTURAL PLANS

MASONRY WALL SCHEDULE							
MARK	HEIGHT (FT.)	THICKNESS (IN.)	BOND	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	GROUT	COMMENTS
MW0.67	SEE ARCH.	8	RUNNING	#5 @ 48" O.C.	#5 @ 48" O.C.	PARTIAL / REINFORCED ONLY	TOP OF WALL TO HAVE DOUBLE BOND BEAM

THICKENED SLAB SCHEDULE					
MARK	WIDTH (IN.)	THICKNESS (IN.)	LONGITUDINAL REINFORCEMENT	TRANSVERSE REINFORCEMENT	COMMENTS
TS1.5	18	12	(2) #5 REBAR / CONTINUOUS	#5 REBAR @ 12" O.C.	THICKENED SLAB TO HAVE SINGLE MAT OF REINFORCEMENT ONLY



① TYPICAL FOUNDATION SECTION  
1/2" = 1'-0"

REVISIONS	
NO.	DATE

CERTIFIED BY  
**G. BRYANT**  
DRAWN BY  
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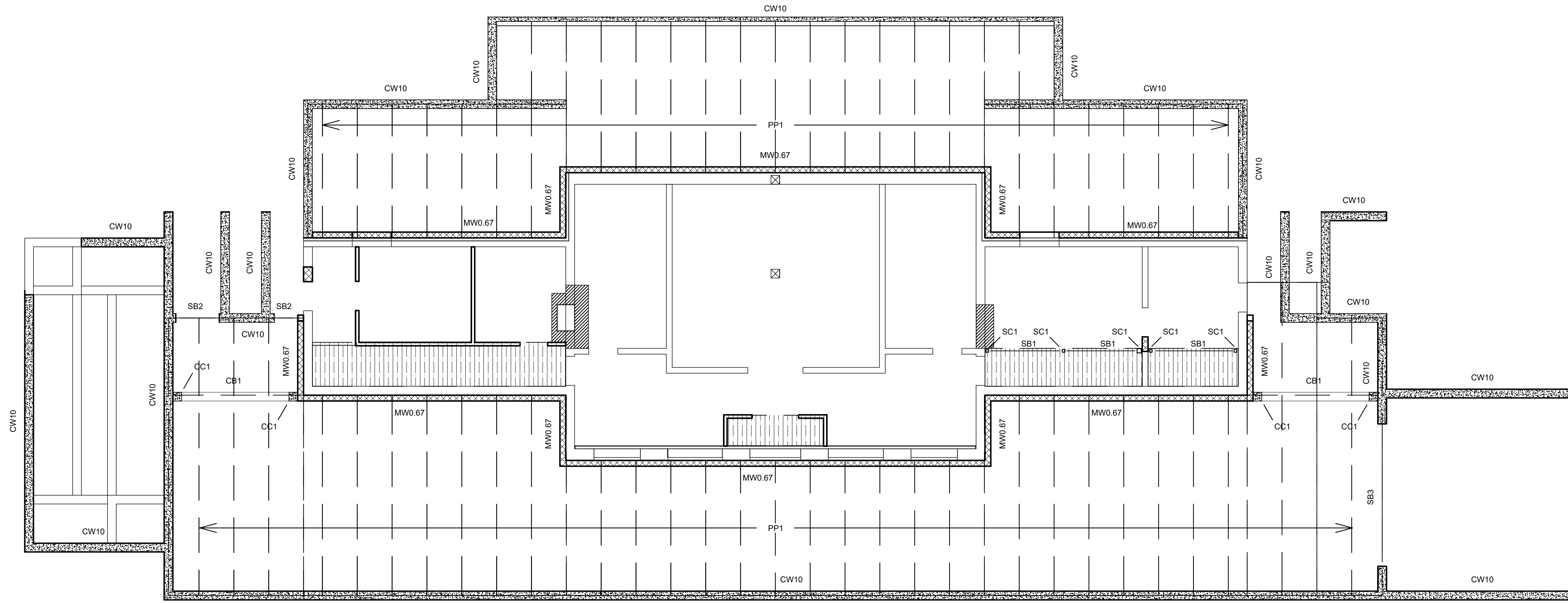


**Sanders and Associates, Inc.**  
1005 SOUTH WINDY HILL STREET  
TERRE HAUTE, INDIANA 47807  
PHONE (812) 232-5256

PROJECT  
**REA PARK CLUBHOUSE  
RENOVATIONS**

JOB NUMBER  
**2214**  
DATE  
**9/28/23**  
SHEET TITLE  
**FOUNDATION  
SCHEDULES & DETAILS**  
SHEET

**F2.0**



1  
S1.0

STRUCTURAL PLAN - FRAMING

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



REVISIONS	
NO.	DATE

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**G. BRYANT**

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PROJECT

# REA PARK CLUBHOUSE RENOVATIONS

JOB NUMBER  
**2214**

DATE  
**9/28/23**

SHEET TITLE  
**STRUCTURAL  
FRAMING PLAN**

SHEET

**S1.0**

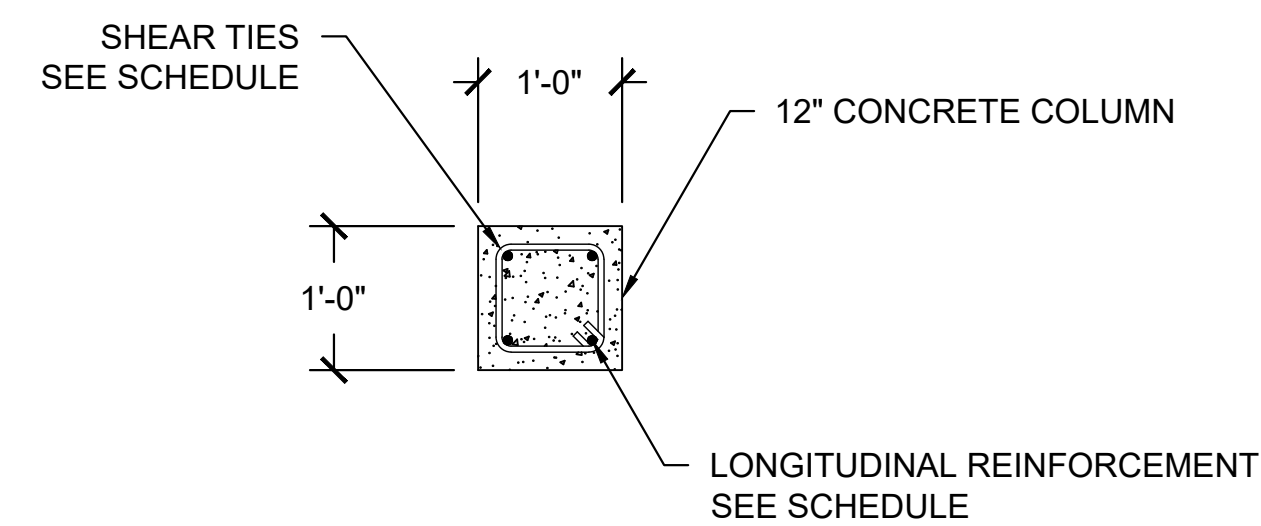


CONCRETE COLUMN SCHEDULE					
MARK	DIMENSIONS (IN.)	HEIGHT (FT.)	REINFORCEMENT	REBAR TIES	COMMENTS
CC1	12 X 12	SEE ARCH.	(4) #6 REBAR	#4 REBAR @ 12" O.C.	SEE ARCHITECTURAL PLANS FOR COLUMN HEIGHT

CONCRETE BEAM SCHEDULE					
MARK	DEPTH (IN.)	WIDTH (IN.)	FLEXURAL REINFORCEMENT	SHEAR REINFORCEMENT	COMMENTS
CB1	24	12	SEE BEAM DETAIL	SEE BEAM DETAIL	

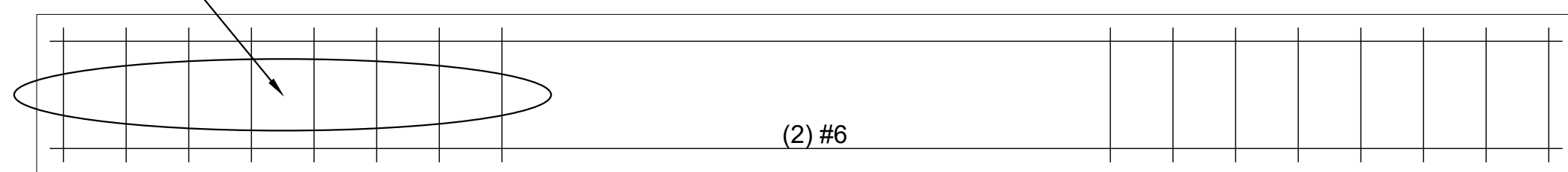
HOLLOW CORE PRECAST PANEL SCHEDULE			
MARK	HOLLOW CORE PANEL THICKNESS (IN.)	TOPPING SLAB THICKNESS (IN.)	COMMENTS
PP1	10	2	

STEEL COLUMN SCHEDULE			
MARK	SHAPE	HEIGHT (FT.)	COMMENTS
SC1	HSS4X4X0.25	SEE ARCH.	

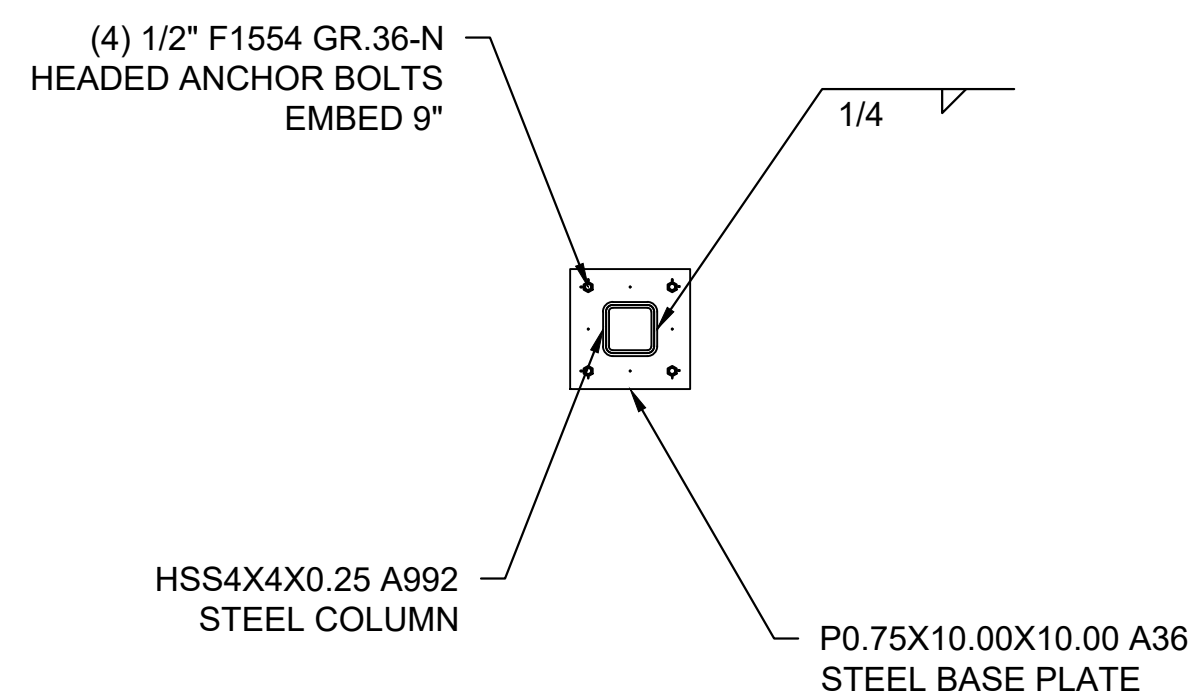


③ COLUMN DETAIL - TYPICAL  
DO NOT SCALE

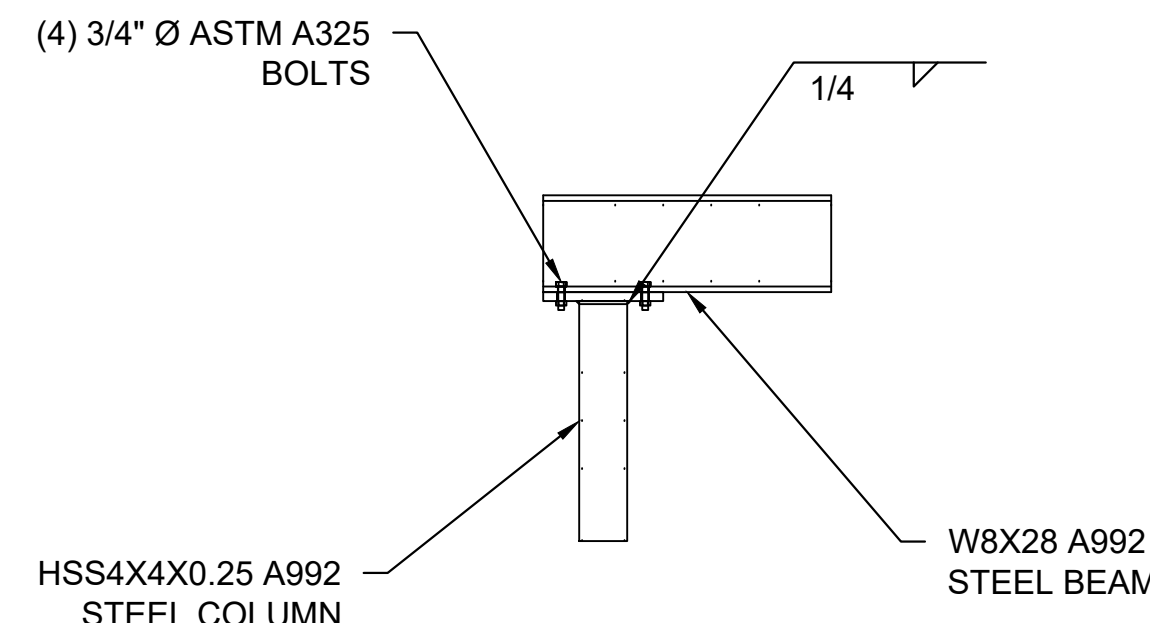
(8) #4 REBAR @ 7" O.C.



④ CONCRETE BEAM DETAIL - BEAM CB1  
1/2" = 1'-0"



⑤ COLUMN BASE PLATE - TYPICAL  
DO NOT SCALE



⑥ COLUMN TO BEAM CONNECTIONS - TYPICAL  
DO NOT SCALE

**GENERAL PLAN NOTES:**

- ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH ALL APPLICABLE BUILDING CODES IN THE STATE OF INDIANA.
- GENERAL CONTRACTOR TO BE RESPONSIBLE FOR THE COORDINATION OF WORK BETWEEN ALL THE TRADES.
- DRAWINGS ARE FOR GENERAL ARRANGEMENT AND MEMBER SIZING. CONTRACTOR RESPONSIBLE FOR FIELD MEASUREMENT PRIOR TO PROCUREMENT AND FABRICATION OF STRUCTURAL STEEL.
- ALL DIMENSIONS AND ELEVATIONS WERE OBTAINED FROM RELIABLE SOURCES FOR THE EXISTING STRUCTURE AND ARE THEREFORE ASSUMED TO BE TRUE AND ACCURATE. REPORT ANY DISCREPANCIES TO THE ENGINEER FOR VERIFICATION.
- FABRICATION AND ERECTION DRAWINGS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION OF STRUCTURAL STEEL.
- DO NOT SCALE DRAWINGS. USE DIMENSIONS PROVIDED IN CONSTRUCTION DOCUMENTS.
- NO CHANGES TO BE MADE TO THESE DRAWINGS WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.
- FIRST FLOOR FINISH ELEVATION = 100' - 0".
- STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT. PROVIDE ANY TEMPORARY SUPPORT OR BRACING REQUIRED DURING CONSTRUCTION AND DO NOT REMOVE UNTIL BUILDING COMPONENTS ARE CAPABLE OF SUPPORTING THEMSELVES AS WELL AS ANY LATERAL LOADS INCLUDING WIND AND SEISMIC.
- CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT CONSTRUCTION LOADS DO NOT EXCEED THE DESIGN LOADS OF THE STRUCTURAL MEMBERS.
- DESIGN STRESSES
 

SOIL PRESSURE	qs = 2,500 PSF
CONCRETE	fc = 3,000 PSI
REINFORCING STEEL	Fy = 60,000 PSI

**FOUNDATION AND CONCRETE NOTES:**

- THE BEARING CAPACITY OF THE SOIL WAS PROVIDED BY RELIABLE SOURCES. A GEOTECHNICAL CONSULTANT SHOULD VERIFY SOIL CAPACITY PRIOR TO CONSTRUCTION.
- BOTTOM OF FOOTING MUST BE 36" BELOW GRADE.
- ADEQUATE BEARING STRENGTH SHALL BE VERIFIED BY GEOTECHNICAL CONSULTANT PRIOR TO PLACEMENT OF CONCRETE.
- FLOOR TO BE CONSTRUCTED AS 4" SLAB ON GRADE WITH A SINGLE REBAR MAT CONSTRUCTED FROM #5 REBAR AT 12" ON CENTERS IN BOTH DIRECTIONS.
- TOP OF SLAB TO BE AT SAME ELEVATION AS EXISTING ADJACENT STRUCTURE LOCATED IN THE EXISTING STRUCTURE.
- COORDINATE PLACEMENT OF FOOTINGS WITH ARCHITECTURAL DRAWINGS. REPORT ANY DISCREPANCIES TO THE ENGINEER.
- HEATING OF REINFORCING STEEL FOR BENDING IS NOT PERMITTED.
- CONCRETE COVER FOR REINFORCING STEEL PLACED IN THE FOUNDATION SHALL BE AT 3 INCHES.
- ALL CONSTRUCTION JOINTS SHALL BE KEYPED.
- CHAMPFER 3/4" X 45 DEGREES ALL EXPOSED EDGES OF CONCRETE.
- CONCRETE COVER FOR STEEL REINFORCEMENT, UNLESS OTHERWISE NOTED:
 

UNFORMED SURFACE IN CONTACT WITH GROUND	3 IN.
FORMED SURFACES EXPOSED TO EARTH OR WEATHER	2 IN.
FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER	2 IN.
BEAMS, GIRDERS AND COLUMNS	1-1/2 IN.
SLABS, WALLS AND JOISTS	3/4" IN.
- MINIMUM CONCRETE COVER FOR ANCHOR BOLTS TO BE 3 INCHES.
- REINFORCING STEEL LAP SPLICES SHALL BE IN ACCORDANCE WITH ACI 318-19.
- CONTRACTOR TO PROVIDE CORNER BARS, AS NEEDED, FOR ALL HORIZONTAL CONCRETE REINFORCEMENT.
- PROVIDE DIAGONAL REINFORCEMENT OF EACH SIDE OF OPENINGS, OR RE-ENTRANT CORNERS IN SLABS. SEE DETAIL.
- CONTRACTOR TO BRUSH AND CLEAN ALL CONSTRUCTION JOINTS OF STRUCTURAL WALLS.
- COORDINATE ANCHOR BOLT LAYOUT WITH STRUCTURAL STEEL DRAWINGS.
- SEE STRUCTURAL DETAILS FOR ANCHOR BOLT EMBEDMENT DEPTH.
- MASONRY WALLS SHOWN ON THESE DRAWINGS ARE TO BE CONSIDERED BEARING WALLS.
- DOVEL CONCRETE WALL AND MASONRY WALL REINFORCEMENT INTO THE FOOTINGS.
- SEE CIVIL AND ARCHITECTURAL DRAWINGS FOR CONCRETE WORK NOT SHOWN ON STRUCTURAL DRAWINGS.

**SLAB ON GRADE:**

- SLAB ON GRADE TO BE REINFORCED WITH 6X6 W.W.F. REINFORCEMENT.
- WELDED WIRE FABRIC SHALL BE ADEQUATELY SUPPORTED DURING PLACEMENT OF THE CONCRETE AND SHALL BE LOCATED 2" BELOW THE TOP OF THE SLAB.
- SLAB ON GRADE SHALL HAVE CONTROL JOINTS PLACED AT 20 FEET ON CENTER AND SHALL BE CUT IMMEDIATELY AFTER PLACEMENT OF THE CONCRETE SLAB.
- VAPOR BARRIER SHOULD BE PLACED ON 6" OF CRUSHED STONE PRIOR TO PLACEMENT OF THE SLAB-ON-GRADE.
- EXTERIOR SLABS-ON-GRADE TO BE TOOLED.
- WHERE FLOOR DRAINS ARE TO BE LOCATED, SLOPE SLAB AS NEEDED FOR PROPER DRAINAGE.
- PROVIDE DIAGONAL REINFORCEMENT AT RE-ENTRANT CORNERS IN SLABS. DIAGONAL REINFORCEMENT TO BE (2) #4 X 4'-0" BARS FOR EVERY 4' OF SLAB THICKNESS. SEE DETAIL.

**HOLLOW CORE SLAB NOTES:**

- HOLLOW CORE SLABS TO BE FABRICATED BY STRESCORE OR APPROVED EQUIVALENT MANUFACTURER.
- HOLLOW CORE SLABS TO BE 10" THICK WITH A 2" TOPPING SLAB AS INDICATED ON THE PLAN AND DETAIL DRAWINGS.
- HOLLOW CORE SLABS TO BE REINFORCED WITH PRESTRESSED STEEL STRANDS TO RESIST THE SERVICE LOADS DEFINED.
- REFERENCE DETAILS FOR SLAB TO WALL AND BEAM CONNECTIONS.
- PROVIDE 1/2" THICK BEARING PAD UNDER ALL HOLLOW CORE SLABS BEARING ON MASONRY OR CONCRETE SURFACES.
- DESIGN AND FURNISH ALL HEADERS REQUIRED AT OPENINGS THROUGH SLABS.
- DO NOT FIELD CUT HOLES THROUGH HOLLOW CORE SLABS WITHOUT APPROVAL FROM THE ENGINEER OR ARCHITECT.
- SUBMITTALS, INCLUDING SHOP DRAWINGS, FOR HOLLOWCORE SLABS TO BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

**STRUCTURAL STEEL NOTES:**

- SPLICING OF STRUCTURAL STEEL, UNLESS SHOWN ON DRAWINGS, IS NOT PERMITTED WITHOUT APPROVAL FROM THE ENGINEER.
- BEAM / LINTEL BEARING ON CONCRETE OR MASONRY WALLS TO BE A MINIMUM OF 8", UNLESS OTHERWISE SPECIFIED.
- BOLT TIGHTENING TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS."
- ALL STRUCTURAL STEEL TO BE SHOP PRIMED PRIOR TO ERECTION. ALL PRIMER TO BE RUST INHIBITATIVE AND INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS. FINAL PAINT TO BE APPLIED BY OTHERS.
- NO ALTERATIONS TO THE STRUCTURE TO BE MADE WITHOUT APPROVAL OF THE ENGINEER.
- CLEAN METAL SHAVINGS FROM ALL STRUCTURAL STEEL PANELS AFTER INSTALLATION IS COMPLETE.
- SEE DETAILS FOR HOLLOW CORE SLAB TO STRUCTURAL STEEL CONNECTIONS.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS PRIOR TO PROCUREMENT OF ANY STRUCTURAL STEEL.

MATERIAL YIELD STRESSES	
HOT ROLLED BEAM	Fy = 50 KSI
STRUCTURAL STEEL SHEET / PLATE	Fy = 36 KSI
CONNECTION BOLTS	ASTM A325
ANCHOR BOLTS	F1554 GR.36

**MASONRY NOTES:**

- MASONRY WALLS SHOWN ON STRUCTURAL DRAWINGS ARE PRESUMED TO BE LOAD BEARING. REFERENCE ARCHITECTURAL DRAWINGS FOR NON LOAD BEARING WALLS.
- ALL MASONRY WALLS ON STRUCTURAL PLANS TO BE REINFORCED. REFERENCE MASONRY WALL SCHEDULE FOR REINFORCEMENT SPECIFICATIONS.
- ALL MASONRY REINFORCING STEEL TO BE SECURED PRIOR TO GROUT APPLICATION TO PREVENT BAR MOVEMENT.
- GROUT TO BE STOPPED 2" BELOW THE TOP OF A COURSE TO CREATE A KEYPED JOINT.
- REINFORCE BOND BEAMS WITH (2) #5 REBAR, CONTINUOUS, UNLESS OTHERWISE SPECIFIED ON THESE DRAWINGS. ALL CORNERS TO BE REINFORCED WITH CORNER BARS.
- LAP SPLICES TO BE 48" FOR #5 REBAR AND 72" FOR #6 REBAR.
- ALL VERTICAL REINFORCEMENT IS TO BE CENTERED IN THE CELLS. USE BAR POSITIONERS TO HOLD VERTICAL AND BOND BEAM REINFORCEMENT IN THE PROPER ALIGNMENT PRIOR TO GROUT APPLICATION.
- REFERENCE ARCHITECTURAL DRAWINGS FOR CONTROL JOINTS.
- BOND BEAM REINFORCEMENT SHALL CONTINUE THROUGH ALL CONTROL JOINTS.
- PROVIDE VERTICAL BARS AT ALL CORNERS, ENDS, JAMBS, INTERSECTIONS AND ON BOTH SIDES OF ALL CONTROL JOINTS.
- MASONRY GROUT TO BE 2000 PSI AND APPLIED IN THE FOLLOWING SCENARIOS:
  - ALL CELLS CONTAINING VERTICAL REINFORCEMENT
  - ALL CELLS BELOW GRADE INCLUDING FOUNDATION WALLS
  - ALL BOND BEAMS
  - ALL CELLS SUPPORTING STRUCTURAL STEEL BEAMS / EXTEND TO FOUNDATION WALL
  - ALL CELLS ABOVE LINTELS

**SERVICE LOAD CRITERIA:**

BUILDING RISK CATEGORY	III	
DESIGN CODES	ASCE 07-22 IBC 2012	
DEAD LOAD CRITERIA	PATIO VERANDA CLUBHOUSE	125 PSF 125 PSF 125 PSF
LIVE LOAD CRITERIA	PATIO VERANDA CLUBHOUSE	100 PSF 100 PSF 100 PSF
SNOW CRITERIA	GROUND SNOW LOAD SNOW EXPOSURE THERMAL FACTOR	30 PSF 1.0 1.0
WIND CRITERIA	BASIC SPEED EXPOSURE	114 MPH B
SEISMIC CRITERIA	SITE CLASS DESIGN CATEGORY RESPONSE CRITERIA	D - STIFF SOIL C SMS - 0.44 SM1 - 0.28 SDS = 0.29 SD1 = 0.19

REVISIONS	
NO.	DATE

CERTIFIED BY  
**G. BRYANT**  
DRAWN BY  
**GB**  
CHECKED BY  
**G. BRYANT**

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ENGINEERING & CONSULTING, INC.  
100 SOUTH WINDY HILL STREET  
TERRE HAUTE, INDIANA 47807  
PHONE (812) 232-5256

PROJECT  
**REA PARK CLUBHOUSE**  
**RENOVATIONS**

JOB NUMBER  
**2214**  
DATE  
**9/28/23**  
SHEET TITLE  
**STRUCTURAL SCHEDULES & DETAILS**  
SHEET

**S2.0**

REVISIONS

KITCHEN HOOD table with columns: TAG, SERVES, DESIGN BASE, MODEL, LENGTH, WIDTH, HEIGHT, COOKING LOAD, EXHAUST AIR, MAKE-UP AIR, TYPE, EXHAUST S.P.

KITCHEN EXHAUST FAN table with columns: TAG, SERVES, DESIGN BASE, MODEL, EXHAUST AIR, TYPE, TOTAL ESP, ELECTRICAL, FLA, MCA, MOP, Horse Power.

CEILING FANS table with columns: TAG, SERVES, DESIGN BASE, SIZE, TYPE, AVG. WATTS, ELECTRICAL.

UNIT HEATERS table with columns: TAG, DESIGN BASE, MODEL NUMBER, L" x W", CAPACITY (WATTS).

FURNACES and HEAT PUMP tables with columns: TAG, SERVES, DAIKIN MODEL, COIL MODEL, SUPPLY AIR, OUTSIDE AIR, ELECTRICAL, ESP, MCA, MOP, HEATING INPUT, AFUE%, VENT SIZE, TAG, DAIKIN MODEL, COOLING CAPACITY, ELECTRICAL, MCA, MOP.

MAKE UP AIR UNIT table with columns: TAG, SERVES, DESIGN BASE MODEL NUMBER, SUPPLY AIR, GAS HEATING INPUT, EXTERNAL S.P., ELECTRICAL, MCA, MOP, MOTOR.

GENERAL MECHANICAL NOTES. 1. MECHANICAL CONTRACTOR IS RESPONSIBLE TO VISIT SITE AND BECOME FAMILIAR WITH PROJECT PRIOR TO BIDDING WORK.

LEGEND. #x# NEW DUCTWORK. ROUN DUCT. TURNING VANES. MANUAL BALANCING DAMPER. NEW SUPPLY DUCT. NEW RETURN DUCT. FLEX DUCT. CONTROL WIRING. SUPPLY DIFFUSER. RETURN DIFFUSER. EXHAUST DIFFUSER. EXHAUST FAN. OUTSIDE AIR. EXHAUST FAN - X. LOUVER - X. TEMP. SENSOR / UNIT CONTROLLER. FURNACE - X. CONDENSING UNIT - X. RADIANT CEILING PANEL. KITCHEN HOOD - X. KITCHEN EXHAUST FAN - X. MAKE-UP AIR UNIT - X. UNIT HEATER - X. CEILING FAN - X.

EXTERIOR WALL LOUVERS table with columns: LAG, TYPE, DESIGN BASE, MODEL, SIZE, OA CFM MIN, OA CFM MAX.

EXHAUST FANS table with columns: TAG, SERVES, DESIGN BASE, EXHAUST AIR, TYPE, ELECTRICAL, MOTOR.

SUPPLY DIFFUSERS table with columns: TYPE, NAILOR MODEL, NOM. SIZE, NECK, CFM RANGE, REMARKS.

RADIANT CEILING PANEL table with columns: TAG, SOLID STATE HEATING CORP MODEL NUMBER, HEATING WATTS, PANEL SIZE, ELECTRICAL.

RETURN GRILLES table with columns: TYPE, NAILOR MODEL, SIZE, CFM RANGE, REMARKS.

REVISIONS table with columns: NO., DATE.

CERTIFIED BY BPB. DRAWN BY RJJ. CHECKED BY BPB. Professional Engineer Seal for Benjamin P. Boyt, No. 10911190, State of Indiana.

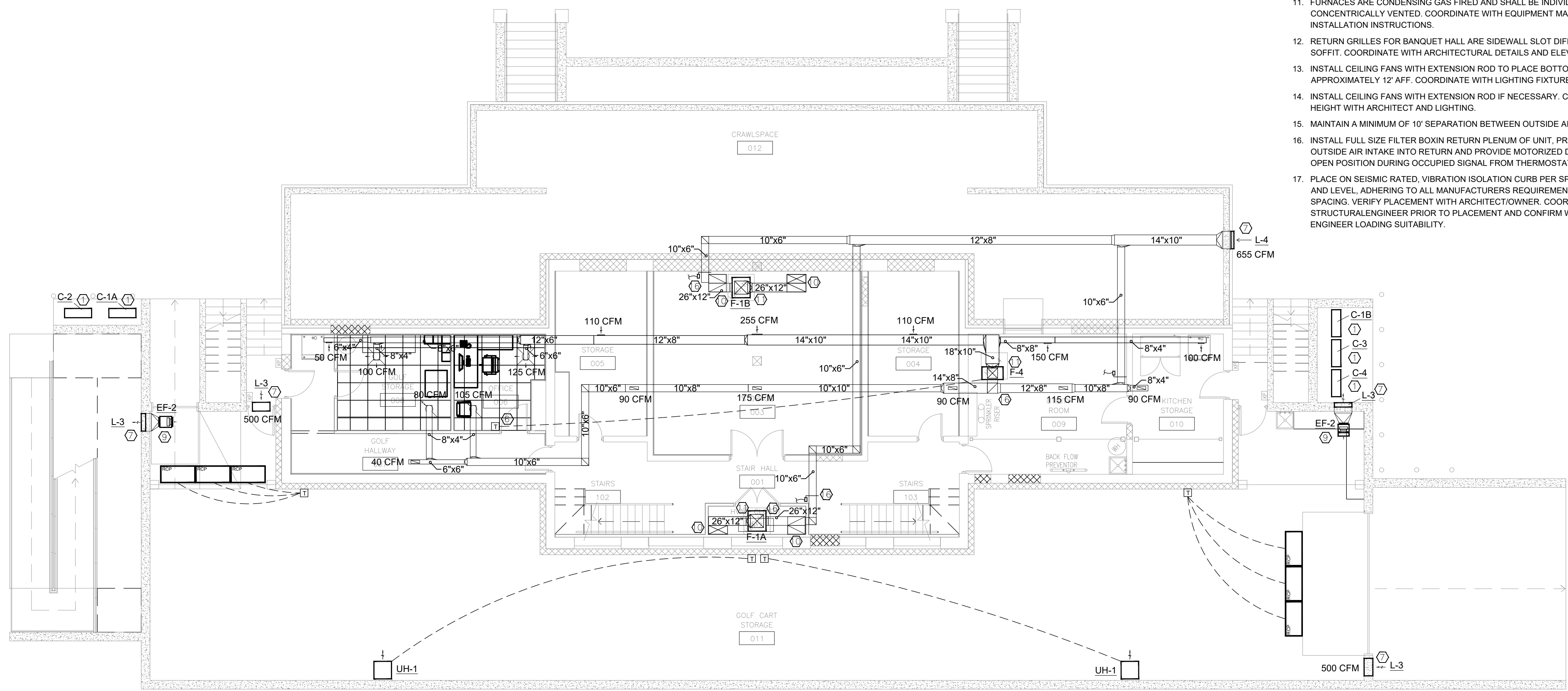
PROJECT: REA PARK CLUBHOUSE RENOVATION

LEGEND, SCHEDULES, & NOTES

BOYT ENGINEERING logo and contact information: 400 N. MARKET ST. MARION, IL 62959. 618-964-9418. Benjamin P. Boyt, Sole Proprietor.

M0.1

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**BASEMENT LEVEL MECHANICAL PLAN**

SCALE 1/8" = 1'-0"

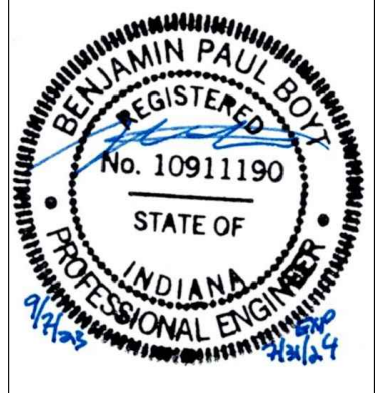
**KEYNOTES**

1. PLACE SECURELY ON PAD, PLUMB AND LEVEL, ADHERING TO ALL MANUFACTURERS REQUIREMENTS AND RECOMMENDED SPACING. VERIFY PLACEMENT WITH ARCHITECT/OWNER.
2. SUSPEND FURNACE HORIZONTALLY ABOVE CEILING, SECURED DIRECTLY TO STRUCTURE WITH RUBBER ISOLATION BUSHING ON ROD HANGERS FOR VIBRATION ISOLATION. ROUTE CONDENSATE TO NEAREST CLEARWATER SANITARY WASTE PER IPC.
3. APPROXIMATE LOCATION OF THERMOSTAT/UNIT CONTROLLER. VERIFY FINAL LOCATION SELECTED BY OWNER. CONNECT TO F-1A/ F-1B LOCATED IN BASEMENT, TIE OCCUPANCY SIGNAL TO MOTORIZED OA DAMPER ACTUATOR.
4. APPROXIMATE LOCATION OF THERMOSTAT/UNIT CONTROLLER. VERIFY FINAL LOCATION SELECTED BY OWNER. CONNECT TO F-2 LOCATED IN ON FIRST FLOOR, TIE OCCUPANCY SIGNAL TO MOTORIZED OA DAMPER ACTUATOR.
5. APPROXIMATE LOCATION OF THERMOSTAT/UNIT CONTROLLER. VERIFY FINAL LOCATION SELECTED BY OWNER. CONNECT TO F-3 LOCATED IN KITCHEN, TIE OCCUPANCY SIGNAL TO MOTORIZED OA DAMPER ACTUATOR.
6. APPROXIMATE LOCATION OF THERMOSTAT/UNIT CONTROLLER. VERIFY FINAL LOCATION SELECTED BY OWNER. CONNECT TO F-4 LOCATED IN BASEMENT, TIE OCCUPANCY SIGNAL TO MOTORIZED OA DAMPER ACTUATOR.
7. COORDINATE EXACT LOCATION OF LOUVER WITH ARCHITECT.
8. EXHAUST FAN TO BE TIED TO OCCUPANCY-BASED SWITCHED LIGHTING CIRCUIT TO ENSURE OPERATION WHEN OCCUPIED. INSTALL BACK DRAFT DAMPERS ON OUTLET.
9. SUSPEND EXHAUST FAN AS HIGH AS POSSIBLE, SECURED DIRECTLY TO STRUCTURE WITH RUBBER ISOLATION BUSHING ON ROD HANGERS FOR VIBRATION ISOLATION PER SECTION 230548. INSTALL BACK DRAFT DAMPER ON FAN OUTLET AND MOTORIZED ACTUATOR CONTROLLED DAMPER ON EACH INTAKE AND RELIEF LOUVER. EF-2 SHALL BE ACTIVATED BY RELAY/CONTACTOR CONTROLLED BY SWITCHED LIGHTING CIRCUIT IN SPACE TO ENSURE OPERATION WHEN SPACE IS OCCUPIED, WITH OVERRIDE SAFETY CARBON MONOXIDE DETECTOR.
10. COORDINATE DUCTWORK PENETRATIONS THROUGH FLOOR WITH STRUCTURAL AND ARCHITECTURAL.
11. FURNACES ARE CONDENSING GAS FIRED AND SHALL BE INDIVIDUALLY, CONCENTRICALLY VENTED, COORDINATE WITH EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS.
12. RETURN GRILLES FOR BANQUET HALL ARE SIDEWALL SLOT DIFFUSERS LOCATED IN NEW SOFFIT. COORDINATE WITH ARCHITECTURAL DETAILS AND ELEVATIONS.
13. INSTALL CEILING FANS WITH EXTENSION ROD TO PLACE BOTTOM OF UNIT AT APPROXIMATELY 12' AFF. COORDINATE WITH LIGHTING FIXTURES.
14. INSTALL CEILING FANS WITH EXTENSION ROD IF NECESSARY. COORDINATE HANGING HEIGHT WITH ARCHITECT AND LIGHTING.
15. MAINTAIN A MINIMUM OF 10' SEPARATION BETWEEN OUTSIDE AIR INTAKE AND EXHAUST.
16. INSTALL FULL SIZE FILTER BOX IN RETURN PLENUM OF UNIT, PROVIDE FILTERS. DUCT OUTSIDE AIR INTAKE INTO RETURN AND PROVIDE MOTORIZED DAMPER AS SHOWN IN OPEN POSITION DURING OCCUPIED SIGNAL FROM THERMOSTAT.
17. PLACE ON SEISMIC RATED, VIBRATION ISOLATION CURB PER SPECIFICATIONS, PLUMB AND LEVEL, ADHERING TO ALL MANUFACTURERS REQUIREMENTS AND RECOMMENDED SPACING. VERIFY PLACEMENT WITH ARCHITECT/OWNER. COORDINATE FULLY WITH STRUCTURAL ENGINEER PRIOR TO PLACEMENT AND CONFIRM WITH STRUCTURAL ENGINEER LOADING SUITABILITY.

REVISIONS	
NO.	DATE

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**BPB**



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PROJECT  
**REA PARK CLUBHOUSE  
RENOVATION**

JOB NUMBER  
**2214**

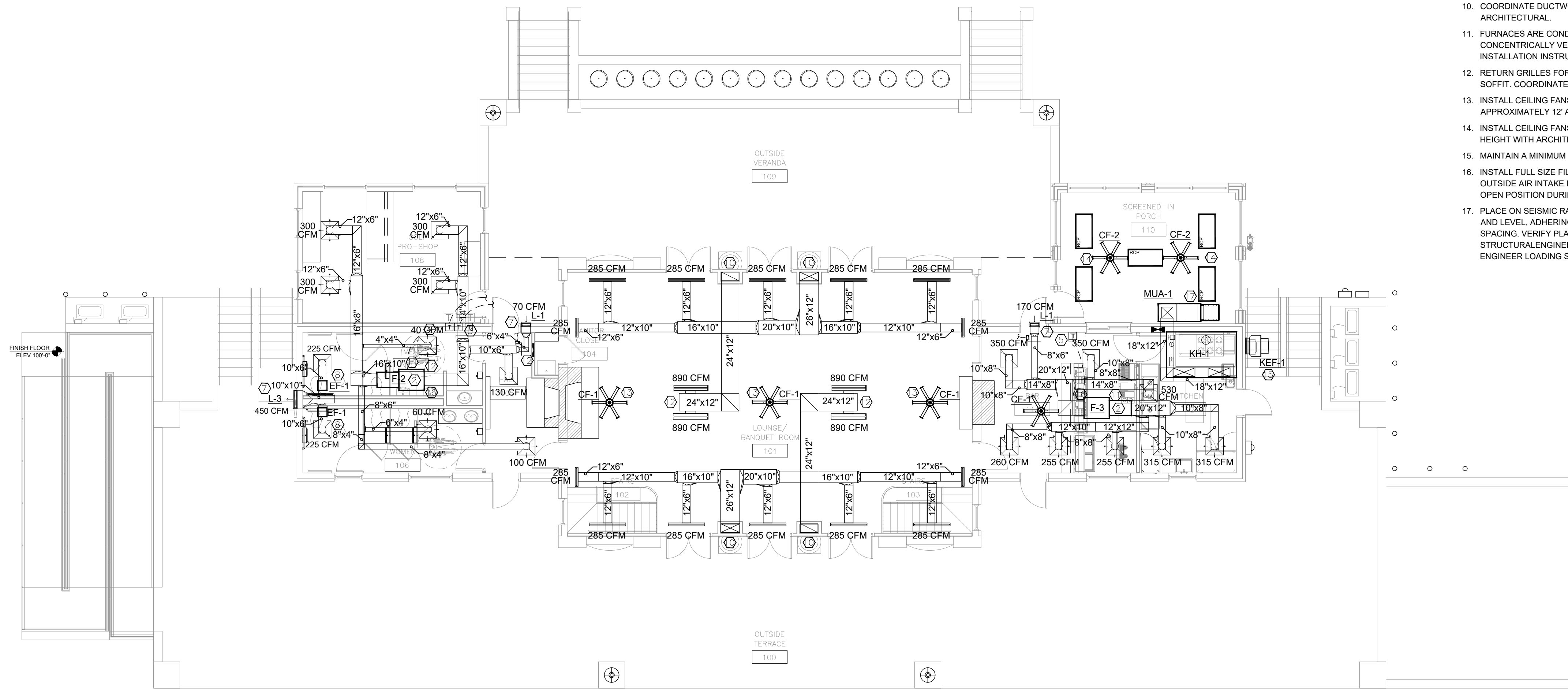
DATE  
**09/07/23**

SHEET TITLE  
**MECHANICAL PLAN**

SHEET  
**M1.1**

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Benjamin P. Boyt  
Sole Proprietor

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**FIRST FLOOR MECHANICAL PLAN**

SCALE 1/8" = 1'-0"

**KEYNOTES**

- 1. PLACE SECURELY ON PAD, PLUMB AND LEVEL, ADHERING TO ALL MANUFACTURERS REQUIREMENTS AND RECOMMENDED SPACING. VERIFY PLACEMENT WITH ARCHITECT/OWNER.
- 2. SUSPEND FURNACE HORIZONTALLY ABOVE CEILING, SECURED DIRECTLY TO STRUCTURE WITH RUBBER ISOLATION BUSHING ON ROD HANGERS FOR VIBRATION ISOLATION. ROUTE CONDENSATE TO NEAREST CLEARWATER SANITARY WASTE PER IPC.
- 3. APPROXIMATE LOCATION OF THERMOSTAT/UNIT CONTROLLER. VERIFY FINAL LOCATION SELECTED BY OWNER. CONNECT TO F-1A/ F-1B LOCATED IN BASEMENT, TIE OCCUPANCY SIGNAL TO MOTORIZED OA DAMPER ACTUATOR.
- 4. APPROXIMATE LOCATION OF THERMOSTAT/UNIT CONTROLLER. VERIFY FINAL LOCATION SELECTED BY OWNER. CONNECT TO F-2 LOCATED IN ON FIRST FLOOR, TIE OCCUPANCY SIGNAL TO MOTORIZED OA DAMPER ACTUATOR.
- 5. APPROXIMATE LOCATION OF THERMOSTAT/UNIT CONTROLLER. VERIFY FINAL LOCATION SELECTED BY OWNER. CONNECT TO F-3 LOCATED IN KITCHEN, TIE OCCUPANCY SIGNAL TO MOTORIZED OA DAMPER ACTUATOR.
- 6. APPROXIMATE LOCATION OF THERMOSTAT/UNIT CONTROLLER. VERIFY FINAL LOCATION SELECTED BY OWNER. CONNECT TO F-4 LOCATED IN BASEMENT, TIE OCCUPANCY SIGNAL TO MOTORIZED OA DAMPER ACTUATOR.
- 7. COORDINATE EXACT LOCATION OF LOUVER WITH ARCHITECT.
- 8. EXHAUST FAN TO BE TIED TO OCCUPANCY-BASED SWITCHED LIGHTING CIRCUIT TO ENSURE OPERATION WHEN OCCUPIED. INSTALL BACK DRAFT DAMPERS ON OUTLET.
- 9. SUSPEND EXHAUST FAN AS HIGH AS POSSIBLE, SECURED DIRECTLY TO STRUCTURE WITH RUBBER ISOLATION BUSHING ON ROD HANGERS FOR VIBRATION ISOLATION PER SECTION 230548. INSTALL BACK DRAFT DAMPER ON FAN OUTLET AND MOTORIZED ACTUATOR CONTROLLED DAMPER ON EACH INTAKE AND RELIEF LOUVER. EF-2 SHALL BE ACTIVATED BY RELAY/CONTACTOR CONTROLLED BY SWITCHED LIGHTING CIRCUIT IN SPACE TO ENSURE OPERATION WHEN SPACE IS OCCUPIED, WITH OVERRIDE SAFETY CARBON MONOXIDE DETECTOR.
- 10. COORDINATE DUCTWORK PENETRATIONS THROUGH FLOOR WITH STRUCTURAL AND ARCHITECTURAL.
- 11. FURNACES ARE CONDENSING GAS FIRED AND SHALL BE INDIVIDUALLY, CONCENTRICALLY VENTED. COORDINATE WITH EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 12. RETURN GRILLES FOR BANQUET HALL ARE SIDEWALL SLOT DIFFUSERS LOCATED IN NEW SOFFIT. COORDINATE WITH ARCHITECTURAL DETAILS AND ELEVATIONS.
- 13. INSTALL CEILING FANS WITH EXTENSION ROD TO PLACE BOTTOM OF UNIT AT APPROXIMATELY 12' AFF. COORDINATE WITH LIGHTING FIXTURES.
- 14. INSTALL CEILING FANS WITH EXTENSION ROD IF NECESSARY. COORDINATE HANGING HEIGHT WITH ARCHITECT AND LIGHTING.
- 15. MAINTAIN A MINIMUM OF 10' SEPARATION BETWEEN OUTSIDE AIR INTAKE AND EXHAUST.
- 16. INSTALL FULL SIZE FILTER BOX IN RETURN PLENUM OF UNIT. PROVIDE FILTERS. DUCT OUTSIDE AIR INTAKE INTO RETURN AND PROVIDE MOTORIZED DAMPER AS SHOWN IN OPEN POSITION DURING OCCUPIED SIGNAL FROM THERMOSTAT.
- 17. PLACE ON SEISMIC RATED, VIBRATION ISOLATION CURBS PER SPECIFICATIONS, PLUMB AND LEVEL, ADHERING TO ALL MANUFACTURERS REQUIREMENTS AND RECOMMENDED SPACING. VERIFY PLACEMENT WITH ARCHITECT/OWNER. COORDINATE FULLY WITH STRUCTURAL ENGINEER PRIOR TO PLACEMENT AND CONFIRM WITH STRUCTURAL ENGINEER LOADING SUITABILITY.

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**Sanders and Associates, Inc.**  
800 SOUTH 7TH STREET  
TERRE HAUTE, INDIANA 47807  
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PROJECT  
**REA PARK CLUBHOUSE  
RENOVATION**

JOB NUMBER  
**2214**  
DATE  
**09/07/23**  
SHEET TITLE  
**MECHANICAL PLAN**  
SHEET

**M1.2**

**BOYT ENGINEERING**  
400 N. MARKET ST.  
MARION, IL 62959  
618-964-9418  
Benjamin P. Boyt  
Sole Proprietor

# ELECTRICAL LEGEND

# ABBREVIATIONS

# ELECTRICAL GENERAL NOTES

## SWITCHES (ALL SWITCHES AT +44" UNLESS NOTED OTHERWISE)

- S SINGLE POLE SWITCH
- S<sub>2</sub> TWO POLE SWITCH
- S<sub>3</sub> THREE-WAY SWITCH
- S<sub>4</sub> FOUR-WAY SWITCH
- S<sub>PT</sub> PROGRAMMABLE TIMER SWITCH \*DESIGN BASE: LEVITON VPT24-1PZ

## GENERAL

- JUNCTION BOX
- POWER METER
- MOTOR
- DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- HOMERUN
- RELAY/CONTACTOR # POLES AS NEEDED FOR LOADS

## FIRE ALARM SYSTEM

- SMOKE DETECTOR
- HEAT DETECTOR
- CARBON MONOXIDE DETECTOR
- FIRE ALARM PANEL
- MANUAL FIRE ALARM PULL STATION AT +44"
- FIRE ALARM HORN AND STROBE AT +80"
- FIRE ALARM STROBE AT +80"
- FLOW SWITCH
- TAMPER SWITCH
- FIRE ALARM BELL AT +80"

## COMMUNICATIONS

- TELEPHONE OUTLET AT +18"
- DATA OUTLET AT +18"
- COMBINATION TELE/DATA OUTLET AT +18" RUN CAT5 JACK AND CABLE TO COLLECTION POINT, LEAVE MIN 2' CABLING COILED AT TOP OF BACKBOARD FOR EACH

## RECEPTACLES (MOUNTED AT +18" TO CENTER UNLESS NOTED OTHERWISE)

- DUPLEX RECEPTACLE
- GFCI
- GFI RECEPTACLE
- CTR
- DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - VERIFY MOUNTING HEIGHT
- DOUBLE DUPLEX RECEPTACLE
- WP
- INSTALL WITH SEALED, WEATHERPROOF COVER

## PANELS AND RELATED ITEMS

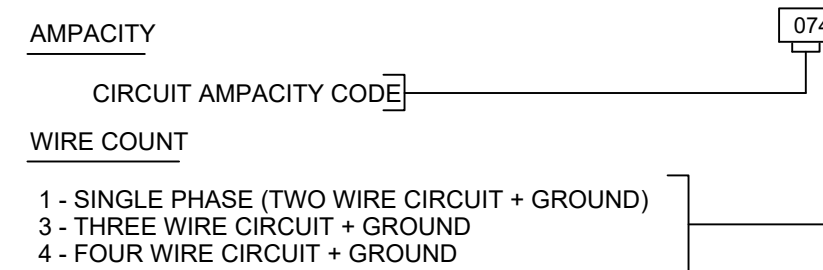
- PANELBOARD - SURFACE AT +72" TO TOP

WHERE INDICATED, ALL 120/208V, 3Ø PANELBOARDS TO BE PROVIDED WITH AN ISOLATED GROUNDING BUS. PANELBOARDS WITH ISOLATED GROUND BUSES SHALL HAVE FEEDERS INSTALLED WITH TWO GROUND CONDUCTORS. ISOLATED GROUND CONDUCTOR TO BE IN ACCORDANCE WITH NEC.

## ANNOTATION TAGS AND NOMENCLATURE

- KEYED NOTE SYMBOL
- TOP NUMBER DESIGNATES DETAIL, BOTTOM NUMBER DESIGNATES SHEET ON WHICH DETAIL IS LOCATED
- (3) 1-1/2" = 3 SETS OF ONE AND ONE HALF INCH CONDUITS
- MECHANICAL EQUIPMENT CROSS REFERENCE

## FEEDER SCHEDULE NOMENCLATURE



MOUNTING HEIGHTS GIVEN ARE STANDARD. WHERE DIMENSIONAL NUMBERS ARE SHOWN AT SYMBOL, THIS SHALL BE THE MOUNTING HEIGHT OF THIS DEVICE. MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE, UNLESS INDICATED OTHERWISE.

NOTE: NOT ALL SYMBOLS ARE USED ON THIS PROJECT.

- A AMP
- AC ALTERNATING CURRENT
- AFF ABOVE FINISH FLOOR
- AFG ABOVE FINISHED GRADE
- AL ALUMINUM
- ALT ALTERNATE
- ATS AUTOMATIC TRANSFER SWITCH
- AWG AMERICAN WIRE GAUGE
- BC BARE COPPER
- BLDG BUILDING
- C CONDUIT
- CB CIRCUIT BREAKER
- CCTV CLOSED CIRCUIT TELEVISION
- CKT CIRCUIT
- CLG CEILING
- CT CURRENT TRANSFORMER
- CTR ABOVE COUNTER
- CJ COPPER
- CW COLD WATER
- DISC DISCONNECT
- DN DOWN
- DP DOUBLE POLE
- DT THROW
- DWG DRAWING
- (E) EXISTING TO REMAIN
- E.C. ELECTRICAL CONTRACTOR EACH
- EA EMPTY CONDUIT
- ELEC ELECTRICAL OR ELECTRIC
- ELEV ELEVATOR
- EM EMERGENCY
- EMT ELECTRICAL METALLIC TUBING
- EOL END OF LINE RESISTOR
- EWG ELECTRICAL WATER COOLER
- F FUSE
- FAA FIRE ALARM REMOTE ANNUNCIATOR PANEL
- FACP FIRE ALARM CONTROL PANEL
- FC FOOT CANDLE
- FLR FLOOR
- FT FOOT OR FEET
- G.C. GENERAL CONTRACTOR
- GEN GENERATOR CIRCUIT
- GF GROUND FAULT INTERRUPTER
- GND GROUND
- HID HIGH INTENSITY DISCHARGE
- HP HORSEPOWER
- HZ FREQUENCY CYCLES PER SECOND
- IC INTERCOM
- IG ISOLATED GROUND CONDUCTOR
- IMC INTERMEDIATE METALLIC CONDUIT
- INCH INCH
- J-BOX JUNCTION BOX
- K KIRK KEY INTERLOCKED THOUSAND CIRCULAR MIL(S)
- KV KILOVOLT
- KVA KILOVOLT AMPERE(S)
- KVAR KILOVAR(S)
- KW KILOWATT(S)
- KWHR KILOWATT HOUR
- MAX MAXIMUM
- MCC MOTOR CONTROL CENTER
- MH MANHOLE
- MIN MINIMUM
- MTD MOUNTED
- MTR MOTOR
- MTS MANUAL TRANSFER SWITCH
- N.C. NORMALLY CLOSED
- NEC NATIONAL ELECTRIC CODE
- NF NON FUSED
- N.O. NORMALLY OPEN
- # NUMBER
- NTS NOT TO SCALE
- NIC NOT IN THIS CONTRACT
- OC ON CENTER
- OL OVERLOAD ELEMENT
- PB PUSH BUTTON
- PF POWER FACTOR
- PH PHASE
- PNL PANEL
- PT POTENTIAL TRANSFORMER
- PVC POLYVINYL CHLORIDE
- (R) RELOCATE
- RMS ROOT MEAN SQUARE
- SHT SHEET
- SMR SURFACE METAL RACEWAY
- SP SINGLE POLE
- SPEC SPECIFICATIONS
- ST SINGLE THROW
- SW SWITCH
- SWBD SWITCHBOARD
- TEL TELEPHONE
- TEMP TEMPORARY
- TSTAT THERMOSTAT
- TTB TELEPHONE TERMINAL BOARD
- TTC TELEPHONE TERMINAL CABINET
- TV TELEVISION
- TYP TYPICAL
- UG UNDERGROUND
- UH UNIT HEATER
- UPS UNINTERRUPTED POWER SUPPLY
- V VOLT(S)
- VA VOLT AMP(S)
- VAR REACTIVE VOLT AMPERES
- VP VAPOR PROOF
- W/ WITH
- WO WITHOUT
- W WAIT(S)
- WP WEATHERPROOF
- WM WIREMOLD
- XFMR TRANSFORMER
- X EXISTING - REMOVE
- XP EXPLOSION PROOF

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C. AND ALL APPLICABLE STATE AND LOCAL CODES.
- ALL MATERIAL SHALL BEAR THE PROPER U.L. LABEL.
- ALL EXPOSED WIRING SHALL BE IN CONDUIT. FLEXIBLE CABLING IN MANUFACTURED RACEWAY (AC/MC WHERE PERMITTED) IS ALLOWED FOR CONCEALED, BRANCH CIRCUIT WIRING ONLY. ALL HOMERUNS SHALL BE IN CONDUIT.
- G.F.I. TYPE RECEPTACLES SHALL BE SELF-CONTAINED UNITS WITH CLASS "A" SENSITIVITY. WHERE GFI BREAKERS ARE USED TO PROTECT ENTIRE CIRCUIT, EACH RECEPTACLE SHALL RECEIVE LABEL INDICATING IT IS A GROUND FAULT PROTECTED OUTLET.
- WHERE SINGLE POLE BRANCH CIRCUIT CONDUCTORS HAVE BEEN INCREASED ABOVE THE SIZE OF THE CIRCUIT BREAKER TO COMPENSATE FOR VOLTAGE DROP, THE INCREASED SIZE SHALL EXTEND THROUGHOUT THE ENTIRE CIRCUIT. EXCEPT WHERE IT IS NECESSARY TO REDUCE THE SIZE FOR CONNECTION TO SWITCH AND RECEPTACLE TERMINALS, ETC. EQUIPMENT GROUNDING CONDUCTORS SHALL ALSO BE ADJUSTED PROPORTIONATELY PER N.E.C. #250-122 (b).
- EXERCISE EXTREME CAUTION TO INSURE THAT THERMAL INSULATION IS NOT INSTALLED CLOSE ENOUGH TO RECESSED LIGHTING FIXTURES TO PREVENT PROPER VENTILATION AND COOLING OF THE UNITS. FIXTURES SHALL COMPLY WITH ARTICLE 410 OF THE N.E.C.
- UNLESS OTHERWISE NOTED OR DIRECTED, ALL CONDUIT SHALL BE CONCEALED BELOW FLOORS, IN WALLS, OR ABOVE CEILING.
- ELECTRICAL CONTRACTOR SHALL VERIFY SERVICE AND VOLTAGE REQUIREMENTS FOR ALL EQUIPMENT TO BE CONNECTED (BOTH NEW AND EXISTING) PRIOR TO MAKING CONNECTIONS.
- DUPLEX RECEPTACLES SHALL BE MOUNTED AT 16" ABOVE THE FINISHED FLOOR EXCEPT WHERE OTHERWISE NOTED, AND EXCEPT WHERE RECEPTACLES ARE SHOWN ABOVE CABINETS, COUNTERS, ETC. WHERE RECEPTACLES ARE SHOWN AT COUNTERS OR CABINETS, THEY SHALL BE INSTALLED 6" TO BOTTOM ABOVE THE CABINET TOP. WHERE THERE IS A BACKSPASH, THE RECEPTACLE SHALL BE JUST ABOVE THE BACKSPASH. WHERE RECEPTACLES ARE SHOWN ADJACENT TO LAVATORIES, THE RECEPTACLE SHALL BE MOUNTED AT APPROXIMATELY 6" TO BOTTOM ABOVE THE LAVATORY TOP.
- SURFACE MOUNTED LIGHTING FIXTURES INSTALLED IN AREAS THAT DO NOT HAVE AN ACCESSIBLE CEILING SPACE ABOVE THEM SHALL BE INSTALLED IN COMPLIANCE WITH ARTICLE 410 OF THE N.E.C.
- COORDINATE ALL CEILING MOUNTED EQUIPMENT, (i.e. LIGHTING FIXTURES, SPEAKERS, GRILLES, ETC.) WITH ALL OTHER EQUIPMENT & TRADES PRIOR TO & DURING INSTALLATION TO AVOID CONFLICTS. SHOULD IT BECOME NECESSARY TO REPOSITION SMOKE DETECTORS, EXERCISE CAUTION NOT TO EXCEED THE 30' AND 15' SPACING AS REQUIRED BY THE LIFE SAFETY CODE.
- FIRE AND SMOKE STOP AROUND ALL CONDUIT, EQUIPMENT, ETC. WHICH PENETRATES FLOORS, WALLS, AND CEILINGS.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND ANY DISCREPANCIES OR QUESTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER PRIOR TO BIDDING.
- COMPLY WITH ALL CODES AND REGULATIONS, ETC. REGARDING PENETRATION OF THE CEILING FOR THIS TYPE OF CONSTRUCTION.
- WHERE LIGHTING SWITCHES AND RECEPTACLES ARE TO BE SURFACE MOUNTED IN FINISHED AREAS, USE OUTLET BOXES EQUAL TO "WIREMOLD SERIES 700".
- JUNCTION BOXES SHALL NOT BE MOUNTED BACK TO BACK.
- WHERE DEVICE BACKBOXES ARE LOCATED IN A RATED WALL, THESE BOXES SHALL BE RATED FOR SUCH USE. COORDINATE WITH ARCHITECTURAL PLANS.
- ALL INSTALLED EMPTY CONDUITS TO INCLUDE PULL CORD.
- CONTRACTOR SHALL REPAIR/REPLACE DAMAGED SITE SURFACE FINISH ASPHALT, CONCRETE, TURF ETC. WHETHER INTENTIONAL OR NON-INTENTIONAL TO A CONDITION EQUAL TO OR EXCEEDING ORIGINAL EXISTING CONDITION.
- CONTRACTOR SHALL PROVIDE TYPEWRITTEN PANEL BOARD DIRECTORIES PER NEC 408.4 IDENTIFYING SPECIFIC LOADS AND AREAS SERVED.
- CONTRACTOR SHALL VERIFY MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES PRIOR TO ROUGH-IN.
- CONTRACTOR SHALL VERIFY ELECTRICAL AND CONNECTION REQUIREMENTS OF ALL EQUIPMENT PRIOR TO ROUGH-IN.
- ALL EQUIPMENT QUESTIONS REGARDING HEIGHTS, LOCATIONS ETC. SHALL BE DIRECTED TO THE ARCHITECT. DO NOT CONTACT THE ENGINEER DIRECTLY.
- ALL WIRING SHOWN THESE PLANS SHALL BE MINIMUM #12 AWG COPPER UNLESS NOTED OTHERWISE ON PLANS AND/OR EQUIPMENT SCHEDULES.
- ALL CONDUIT SHOWN THESE PLANS SHALL BE MINIMUM 3/4" UNLESS NOTED OTHERWISE ON PLANS AND/OR EQUIPMENT SCHEDULES.
- TO MITIGATE THE POSSIBILITY OF ELECTROMAGNETIC INTERFERENCE ON LOW VOLTAGE SYSTEMS (TELE, DATA, TV, FIRE ALARM ETC.) THE FOLLOWING MINIMUM CABLE SEPARATIONS SHALL BE ADHERED TO BETWEEN LINE VOLTAGE AC AND LOW VOLTAGE SYSTEMS.
  - a. 6" - WHEN BOTH SYSTEMS ARE ENCLOSED IN GROUNDED METAL CONDUIT.
  - b. 12" - WHEN THE LINE VOLTAGE SYSTEM ONLY IS ENCLOSED IN GROUNDED METAL CONDUIT.
  - c. 24" - WHEN NEITHER SYSTEM IS ENCLOSED IN GROUNDED METAL CONDUIT.
- ALL GFCI RECEPTS SHALL BE SELF TESTING TYPE.
- USE OF COMMON NEUTRALS SHALL NOT BE ALLOWED.

## REVISIONS

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500 SOUTH 7TH STREET  
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# PROJECT REA PARK CLUBHOUSE RENOVATION

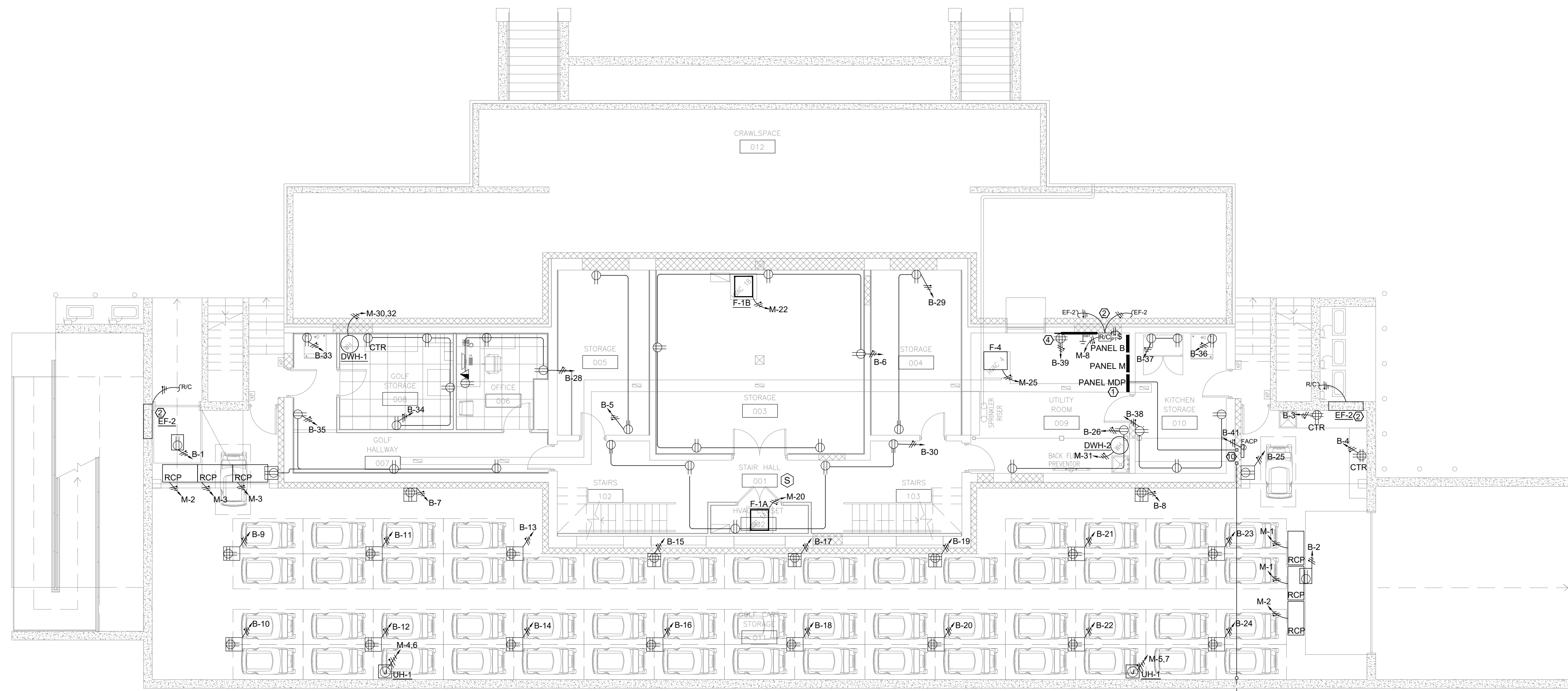
JOB NUMBER  
**2214**  
DATE  
**09/07/23**  
SHEET TITLE  
**ELECTRICAL LEGEND**



SHEET  
**E0.1**

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### BASEMENT ELECTRICAL PLAN

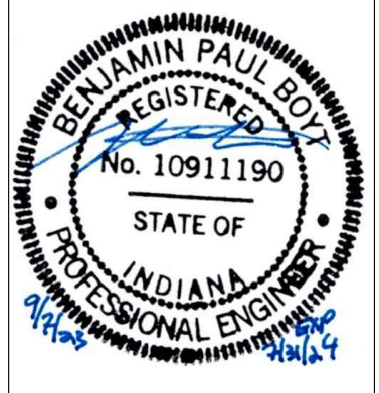
SCALE 1/8" = 1'-0"

#### ELECTRICAL KEYNOTES

- SERVICE-RATED MAIN CIRCUIT BREAKER PANEL MDP SERVES AS SERVICE DISCONNECT. COORDINATE METER REQUIREMENTS WITH UTILITY AND CONNECT BURIED SERVICE TO RIGID CONDUIT VERTICAL RISER TO THIS PANEL FOLLOWING ROUTING ON CIVIL SITE UTILITY DRAWINGS. SEE ONE-LINE DIAGRAM.
- EACH EXHAUST FAN EF-2 SHALL BE HOMERUN TO RELAY/CONTACTOR CONTROLLED BY PROGRAMMABLE TIMER SWITCH AS SHOWN. INITIAL PROGRAM SHALL BE FOR AIRFLOW PURGE ACTIVATION. TO INCLUDE ACTIVATING FANS AND OPENING MOTORIZED OA DAMPERS, FOR 10 MINUTES EACH HOUR, 24/7.
- EF-1 TIED TO OCCUPANCY BASED SWITCHED LIGHTING PLAN.
- TELECOMMUNICATIONS EQUIPMENT BOARD- PROVIDE 4"Wx8'H FIRE TREATED PLYWOOD BACKBOARD. INSTALL DEDICATED 20A QUAD RCPPTS IN SURFACE-MOUNTED "FINISH" BOX NEAR TOP OF BOARD. INSTALL ISBT BAR WITHIN 12" OF BOTTOM OF BOARD. SEE ISBT DETAIL.
- INSTALL ROUGH-INS FOR HAND-DRY BLOWER UNITS. COORDINATE HEIGHT WITH OWNER.
- POKE-THROUGH FLOOR BOX RECEPTACLE.
- COORDINATE ROUGH-IN AND CONNECTIONS TO MOTORIZED SHADE SYSTEM. SEE ARCHITECTURAL DETAILS.
- COORDINATE ROUGH-IN LOCATIONS FOR RECEPTACLES AND DATA JACKS WITH CASEWORK. SEE ARCHITECTURAL DETAILS.
- EXTEND NEW SERVICE BURIED IN CONDUIT TO UTILITY TRANSFORMER. COORDINATE WITH CIVIL/SITE UTILITY PLANS AND ELECTRICAL SERVICE PROVIDER.
- SERVICE ENTRY UP TO SERVICE-RATED DISCONNECT AND METER ON EXTERIOR WALL ABOVE. EXTEND TO MDP.

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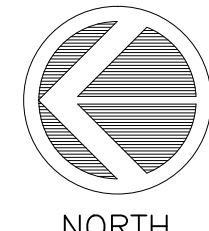
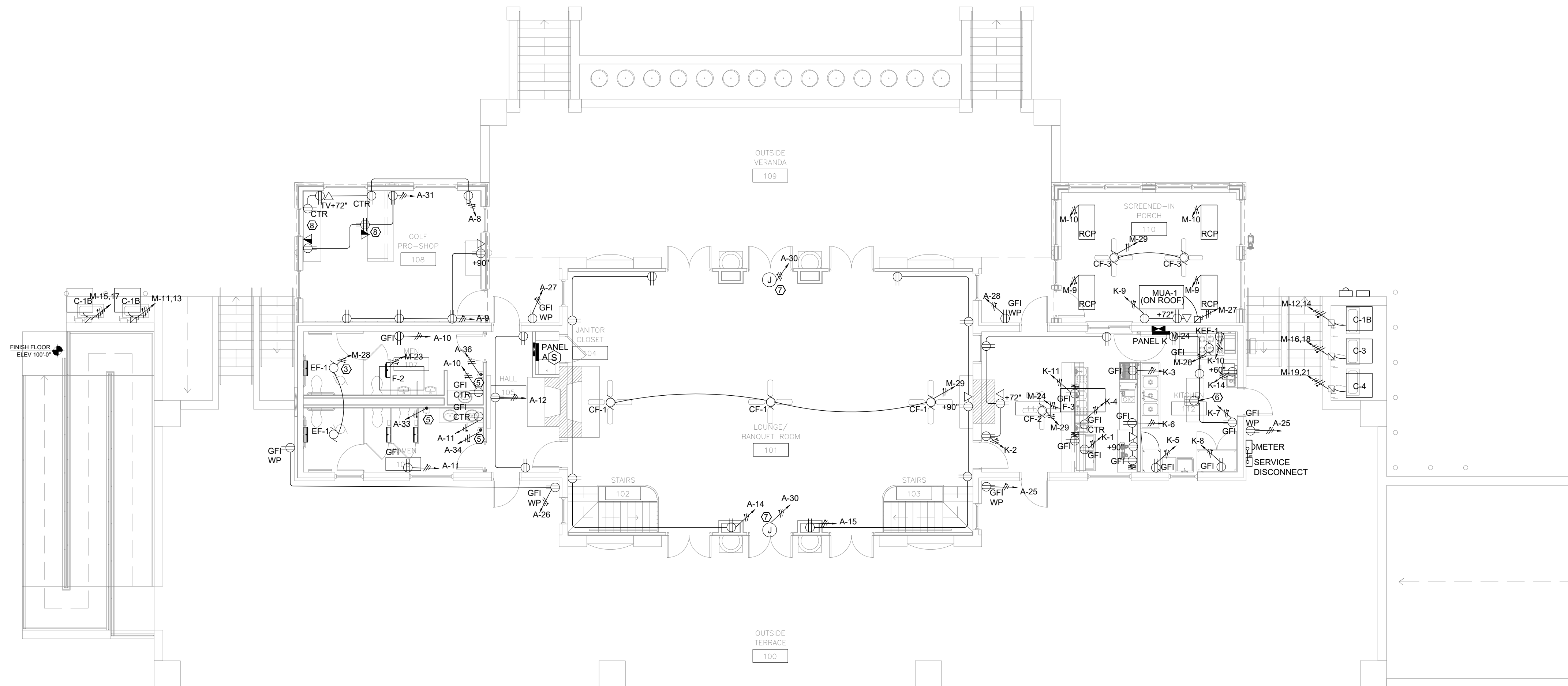
PROJECT  
**REA PARK CLUBHOUSE  
 RENOVATION**

JOB NUMBER  
**2214**  
 DATE  
**09/07/23**  
 SHEET TITLE  
**BSMNT ELEC PLAN**



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**FIRST FLOOR ELECTRICAL PLAN**

SCALE 1/8" = 1'-0"

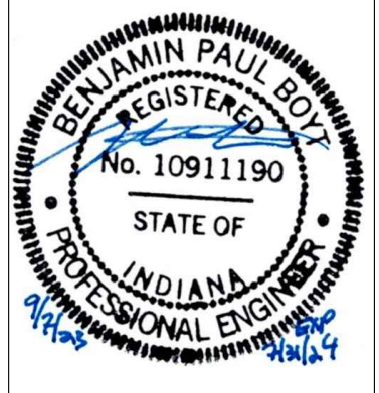
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**ELECTRICAL KEYNOTES**

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- SERVICE ENTRY UP TO SERVICE-RATED DISCONNECT AND METER ON EXTERIOR WALL ABOVE. EXTEND TO MDP.

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PROJECT  
**REA PARK CLUBHOUSE  
 RENOVATION**

JOB NUMBER  
**2214**  
 DATE  
**09/07/23**  
 SHEET TITLE  
**FIRST FLR ELEC PLAN**

SHEET  
**E1.2**







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SHEET TITLE  
**FIRST FLR LTG PLAN**

SHEET

**E1.4**

**LEGEND - LIGHTING**

- A A: LED DECORATIVE PENDANT
- B B: LED SCONCE
- C C: 6" LED DOWNLIGHT
- D D: 2x2' LED FLAT PANEL
- F F: 2x4' LED FLAT PANEL
- G G: LED VANITY
- H H: 4' LED WRAPAROUND
- J J: 8' LED LINEAR
- K K: 6" LED WALLWASH
- L L: LED DECORATIVE LINEAR PENDANT

- EM EM: EGRESS LIGHT
- XEM XEM: EXIT SIGN/EGRESS COMBO

- E1 E1: EXTERIOR LED SCONCE
- E2 E2: EXTERIOR LED DOWNLIGHT
- E3 E3: NOT USED
- E4 E4: EXTERIOR LED POLE LAMP
- E5 E5: EXTERIOR LED STEP LIGHT
- E6 E6: LED FLOODLIGHT
- E7 E7: LED FLOODLIGHT

SWITCH, LINE VOLTAGE:  
3=THREE-WAY SWITCH

D= DIMMING CONTROL MODULE  
(SELECT FOR COMPATIBILITY WITH FIXTURES CONTROLLED)

P= PILOT LIGHT  
OCC= OCCUPANCY SENSING  
(CIRCLE= CEILING MOUNT) SHALL BE AUDIO + PIR (SENSOR SWITCH)

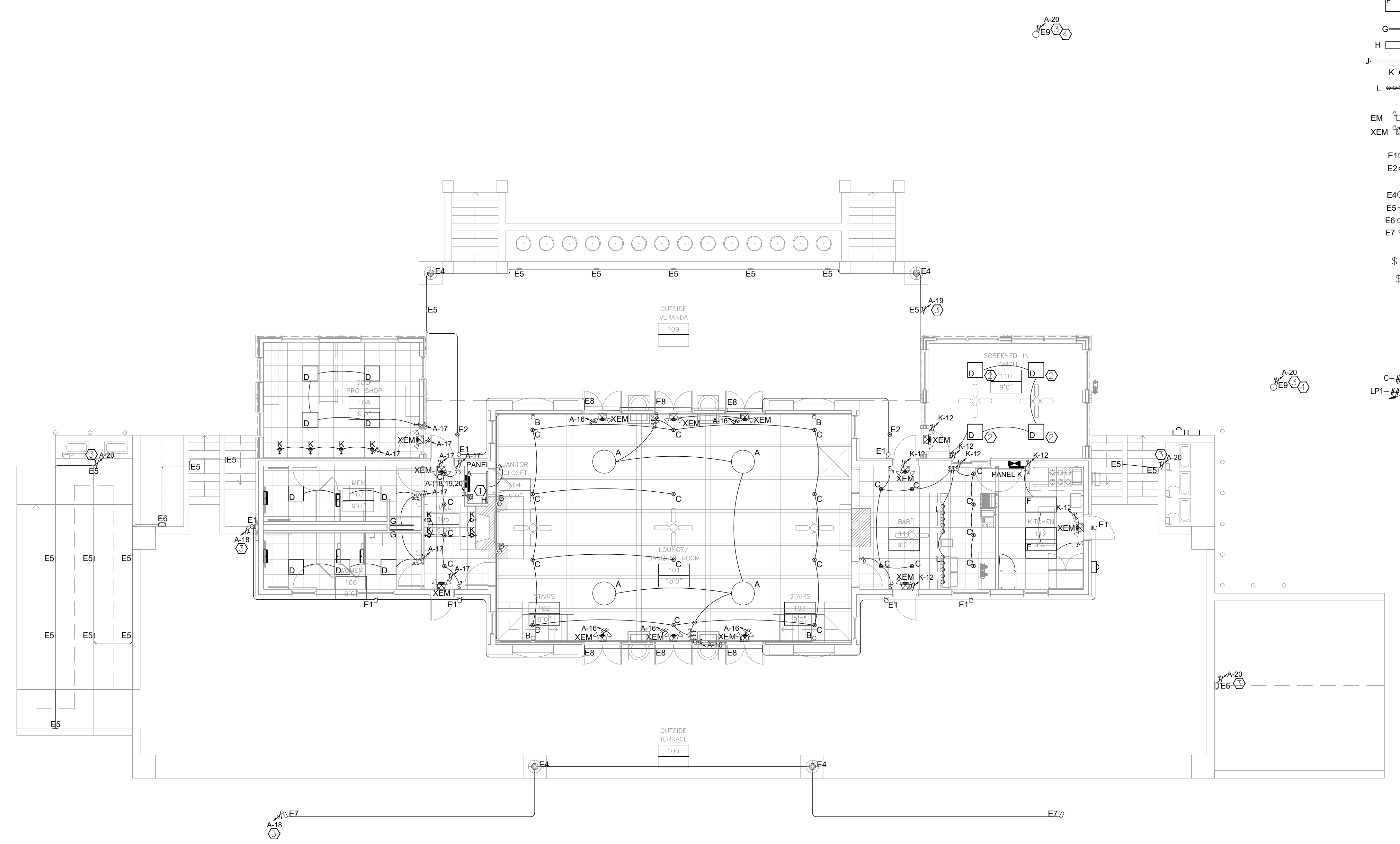
CIRCUIT CALLOUTS:  
RELAY/CONTACTOR# / LTG PANEL CKT#(letter)=SWITCHED CKT  
HOMERUN WITH PANEL CKT IDENTIFIED  
JUNCTION BOX  
CONTACTOR/RELAY

**GENERAL LIGHTING NOTES**

- ALL LIGHTING SHALL BE HOMERUN TO LIGHTING CIRCUIT PER PANEL SCHEDULE.
- CONDUIT AND ROUTING NOT SHOWN FOR PLAN CLARITY.
- PROVIDE ELECTRONIC DIMMER SWITCH/CONTROL MODULE WHERE INDICATED ON WALL. FOR LOCAL ON/OFF AND TO SET DIMMING LEVEL CONTROL OF ALL FIXTURES SERVING COMMON SPACE. CIRCUITING FOR POWER IS INDEPENDENT OF CONTROL. FIELD VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN. ELECTRONIC DIMMING SYSTEM SHALL BE SELECTED TO MATCH FIXTURE MANUFACTURER REQUIREMENTS FOR COMPATIBILITY. WHERE SYSTEM OTHER THAN DESIGN BASE IS SELECTED, PROVIDE DIMMING MODULE AND/OR OTHER COMPONENTS AS REQUIRED TO EXTEND 0-10VDC OR SIMILAR SIGNAL TO ALL FIXTURES IN SPACE, DOWN TO AT LEAST 10% OF FULL OUTPUT.
- OCCUPANCY SENSOR SWITCHES SHOWN IN RECESSED WALL SWITCH LOCATIONS SHALL BE TYPICAL DUAL-TECH WITH PASSIVE INFRARED AND ACOUSTIC MICROPHONICS CONTROL TO CORRECTLY TRIGGER AND MAINTAIN 'ON' AND TO AVOID NUISANCE 'OFF'. OCC-SENSOR SWITCH SHALL BE SENSORSWITCH #WSD-PDT-WH (TYPICAL).
- MULTIPLE GROUPINGS OF DEVICES SHALL BE GANGED UNDER THE SAME COVERPLATE.
- HALF-SHADING (AS SHOWN IN LEGEND) OR 'N' DENOTES NIGHTLIGHT/SECURITY FIXTURE. CONNECT TO HOT (UNSWITCHED) LEG OF CIRCUIT FOR 24/7 OPERATION. (TYPICAL).
- ALL EXIT SIGNS AND EMERGENCY EGRESS FIXTURES SHALL HAVE BATTERY BACKUP WITH AUTOMATIC DIAGNOSTIC TEST FEATURE. CONNECT TO HOT (UNSWITCHED) LEG OF CIRCUIT.

**LIGHTING KEYNOTES**

- SURFACE MOUNT ON WALL HEADER ABOVE DOOR APPROXIMATELY AS SHOWN. COORDINATED TO DECONFLICT WITH MECHANICAL DUCTWORK AND OTHER SYSTEMS.
- FIXTURE TO BE SURFACE MOUNTED.
- ROUTE CIRCUIT FOR ALL EXTERIOR LIGHTING THRU PROGRAMMABLE TIMER SWITCH IN JANITOR'S CLOSET FOR DUSK TO DAWN OPERATION.
- COORDINATE LOCATION WITH ARCHITECTURAL SITE PLAN.



**FIRST FLOOR LIGHTING PLAN**

SCALE 1/8" = 1'-0"

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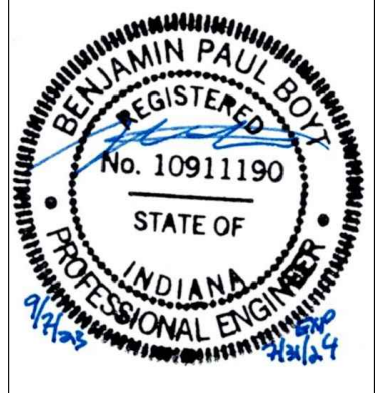
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NO.	DATE

LIGHTING FIXTURE SCHEDULE										
TAG	CATEGORY	MANUF.	DESIGN BASE SERIES	LAMP	WATTS	LUMENS	TEMP (K)	VOLTAGE	LOCATION	Description
A	PENDANT	WEST ELM	HAYES ROUND LIGHT CHANDELIER (35"-47")	LED	-	-	3000	120	CEILING, SUSPENDED	METAL BODY WITH 6 GLASS GLOBES IN MILK FINISH. USE LED BULBS, E12 CANDELABRA SOCKET, 60W INCANDESCENT EQUIVALENT. DARK BRONZE FINISH.
B	INTERIOR SCNCE	RE-USE EXISTING	RE-USE EXISTING	LED	-	-	3000	120	WALL	RE-USE EXISTING FIXTURE WITH REPLACEMENT BULBS WITH ROUND MILK FINISH GLOBES.
C	RECESSED DOWNLIGHT	LITHONIA CREE LIGHTOLIER	LDN6-30/50-LOG-AR120 KR6-60L30K120V C6RDL	LED	60	5000	5000	120	CEILING	6" ROUND LED DOWNLIGHT. SPECULAR CLEAR TRIM. MEDIUM DISTRIBUTION. DIMMABLE.
D	2x2 FLAT PANEL	LITHONIA FIDELUX CREE DAYBRITE	CPX 2x2 3200LM 80CRI 35K SWL MIN10 ZT MVOLT FFPBL22-30W-35K-UNV C-TR-C-FP22-37L-35K-WH 2FPZ-38B835-2-DS-UNV	LED	30	3200	3500	120	CEILING GRID	2x2 FLAT PANEL, 3500K
F	2x4 FLAT PANEL	LITHONIA FIDELUX CREE DAYBRITE	CPX 2x4 4000LM 80CRI 35K SWL MIN10 ZT MVOLT FFPBL24-40W-35K-UNV C-TR-C-FP24-50L-35K-WH 2FPZ-42B835-4-DS-UNV	LED	40	4000	3500	120	CEILING GRID	2x4 FLAT PANEL, 3500K
G	VANITY	GENERATION LIGHTING	4461604-112	LED	60	-	-	120	WALL	30", MIDNIGHT BLACK FINISH, 4 MILK GLASS SHADES, PROVIDE LED BASE G9 BULBS.
H	4' SURFACE WRAPAROUND	LITHONIA CREE	LBL4 3000LM 80CRI 35K NODIM C-WR-A-WW4-S86L-SCCT-WH	LED	26	3000	3500	120	SURFACE	1'X4' LED WRAPAROUND WITH PRISMATIC ACRYLIC DIFFUSER.
J	8' LINEAR	LITHONIA CREE	LI8 10000LM 80CRI 35K ST3-SD-08-H-8-35K-L	LED	80	9200	3500	120	CEILING, SUSPENDED	8' LED LINEAR, FROSTED POLYCARBONATE DIFFUSER.
K	RECESSED WALLWASH	LITHONIA CREE LIGHTOLIER	LDN6-30/20-LW6-AR120 KR6-30L30K120V WW C6RWW	LED	35	2000	3000	120	CEILING	6" ROUND LED WALLWASH. SPECULAR CLEAR TRIM. MEDIUM DISTRIBUTION. DIMMABLE.
L	DECORATIVE PENDANT	WEST ELM	HAYES LINEAR CHANDELIER (45")	LED	-	-	3000	120	CEILING, SUSPENDED	METAL BODY WITH 5 GLASS GLOBES IN MILK FINISH. USE LED BULBS, E12 CANDELABRA SOCKET, 60W INCANDESCENT EQUIVALENT. DARK BRONZE FINISH.
EM	EMERGENCY EGRESS	LITHONIA DUAL-LITE CHLORIDE	ELM2L-SDRT-WPVS LZ-2-N-D-I-03L CLU2-N-W	LED	14	-	-	120	SURFACE WALL	SURFACE WALL-MOUNTED EMERGENCY EGRESS LIGHTING, WHITE, NiCad BATTERY AND CHARGER, SELF-DIAGNOSTIC, DAMP LOCATION
XEM	EXIT SIGN EGRESS COMBO	LITHONIA DUAL-LITE PHILIPS	ECRG-RD LURW31-03L CCAXL-1RW	LED	3	-	-	120	SURFACE WALL	COMBINATION FIXTURE WITH EXIT SIGN (MATCHING X) AND EMERGENCY NiCAD BATTERY BACKUP EGRESS LED LIGHTING WITH SELF-DIAGNOSTIC. INCLUDE COMPATIBLE REMOTE HEAD AT EACH UNIT WHERE THIS OPTION IS SHOWN ON DRAWINGS; INSTALLED AT AND ABOVE EGRESS DOOR, ORIENTED AT WALKWAY.

EXTERIOR LIGHTING FIXTURE SCHEDULE										
TAG	CATEGORY	MANUF.	DESIGN BASE SERIES	LAMP	WATTS	LUMENS	TEMP (K)	VOLTAGE	LOCATION	Description
E1	EXTERIOR SCNCE	BEACON	LA120-AF-24L-27-3K7-UNV-DIR4-PEC-PM WITH AA-35-W-A-P	LED	27	1800	3000	120	WALL	ACRYLIC FROSTED PANELS, TYPE IV DISTRIBUTION WITH MILANO STYLE WALL MOUNT PENDANT BRACKET. COORDINATE FINISH WITH ARCHITECT.
E2	EXTERIOR DOWNLIGHT	LITHONIA	LBR4 AL02 SWW1 LSS MWD MVOLT WL	LED	25	1000/1500/ 2000	3000/3500/ 4000/5000	120	CEILING	4" ROUND LED DOWNLIGHT. SEMI-SPECULAR CLEAR TRIM. MEDIUM DISTRIBUTION.
E3	NOT USED									
E4	EXTERIOR POLE LAMP	BEACON	LA130-PF-36L-80-3K7-UNV-DIR5-PEC-PT WITH RSA-B-MAIS-F-10-40-B-OT	LED	36	5460	3000	120	POLE	POLYCARBONATE FROSTED PANELS, TYPE V DISTRIBUTION, WITH MAINSTREET STYLE POLE. COORDINATE FINISH WITH ARCHITECT.
E5	EXTERIOR STEP LIGHT	WAC	WL-5105-30	LED	5.5	110	3000	120	WALL, RECESSED	DIE-CAST ALUMINUM BRICK LIGHT WITH HEAT RESISTANT OPAL GLASS DIFFUSER. COORDINATE FINISH WITH ARCHITECT.
E6	WALLPACK	LITHONIA	WST-LED P2 40K VW MVOLT PE E7WH	LED	25	3000	4000	120	WALL	FLOOD FIXTURE WITH FULL CUTOFF, PHOTOCELL BUTTON FOR AUTOMATIC DUSK-DAWN OPERATION
E7	FLOODLIGHT	LITHONIA	DSXF1 P2 40K WFR MVOLT PE	LED	42	5600	4000	120	GROUND OR SHORT POLE	FLOODLIGHT WITH WIDE RECTANGULAR DISTRIBUTION, PHOTOCELL BUTTON FOR AUTOMATIC DUSK-DAWN OPERATION
E8	EGRESS WALLPACK	LUMINAIRE LED	AEL 48IN NODIM W 40K 120 EMB310ST	LED	35	3700	4000	120	WALL	SELF-TESTING, SELF-CONTAINED, 90 MINUTE EMERGENCY BATTERY BACKUP. WET LOCATION. COORDINATE FINISH WITH ARCHITECT.
E9	SITE POLE	LITHONIA	RSX2 LED P4 50K R4 MVOLT	LED	230	25330	5000	208V/1PH	POLE	SINGLE HEAD POLETOP FLOOD/AREA LIGHTING FIXTURE

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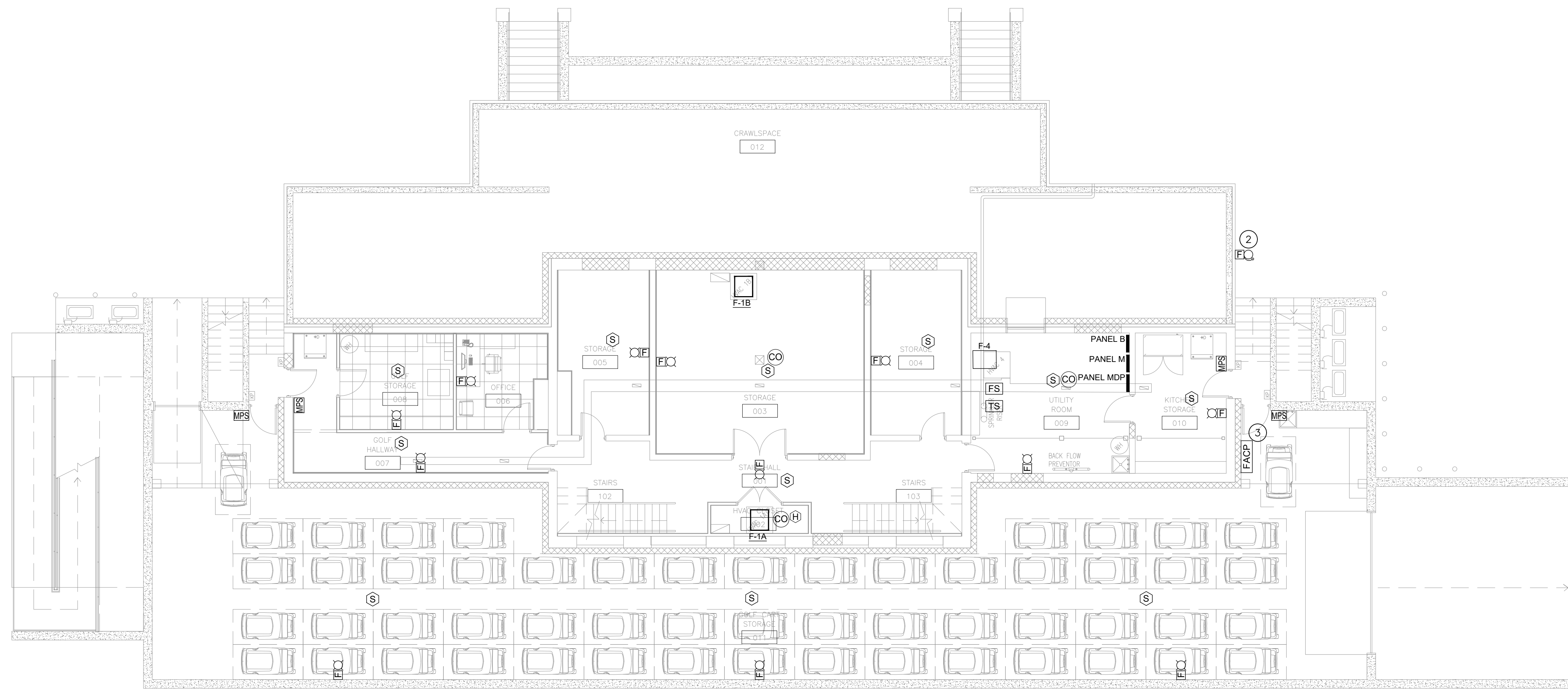
PROJECT  
**REA PARK CLUBHOUSE  
 RENOVATION**

JOB NUMBER  
**2214**  
 DATE  
**09/07/23**  
 SHEET TITLE  
**LIGHTING SCHEDULE**  
 SHEET



**E5.2**

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**FIRE ALARM SYSTEM**

- FACP FIRE ALARM PANEL
- FAA FIRE ALARM ANNUNCIATOR
- MPS MANUAL FIRE ALARM PULL STATION AT +44'
- F-H FIRE ALARM HORN AT +80"
- F-H-S FIRE ALARM HORN AND STROBE AT +80"
- F-H-C FIRE ALARM HORN AND STROBE -CEILING MTD.
  
- F-B FIRE ALARM BELL AT +80"
- F-B-L FIRE ALARM BELL AND LIGHT AT +80"
- F-S FIRE ALARM STROBE
- D MAGNETIC DOOR HOLD OPEN DEVICE
- FS WATER FLOW SWITCH
- TS TAMPER SWITCH
- S SMOKE DETECTOR
- H HEAT DETECTOR
- CO CO DETECTOR
- S-D JUNCTION BOX FOR DUCT SMOKE DETECTOR
- SFD SMOKE FIRE DAMPER

**KEYNOTES #**

1. COORDINATE LOCATION OF PULLSTATION WITH LOCAL A.H.J. ENGINEER INTENDS FOR THE USE OF PULLSTATION THIS PROJECT DUE TO THE 'PUBLIC' USE OF THIS BUILDING TO AVOID 'NUISANCE' FIRE ALARM SYSTEM ACTIVATION.
2. COORDINATE LOCATION OF FIRE SPRINKLER BELL OR HORN/STROBE WITH LOCAL A.H.J.
3. COORDINATE LOCATION OF FIRE ALARM ANNUNCIATOR PANEL WITH LOCAL A.H.J.

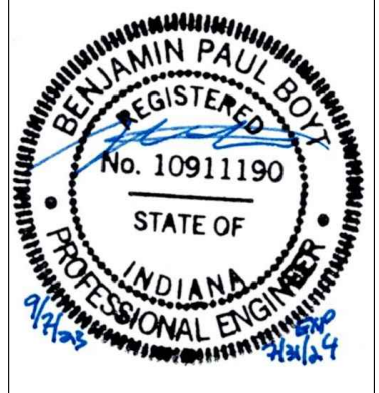
**BASEMENT FIRE ALARM**  
 SCALE 1/8" = 1'-0"

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FIRE SMOKE DAMPERS (NOT SHOWN ON PLAN) ARE PROVIDED AND INSTALLED BY MECH CONTRACTOR. FINAL CONNECTION BY ELECTRICAL CONTRACTOR. VERIFY EXACT LOCATIONS AND REQUIREMENTS WITH MECH CONTRACTOR AS REQUIRED.

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**BOYT ENGINEERING**  
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PROJECT  
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**BSMNT FIRE ALARM**

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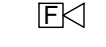
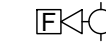




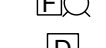
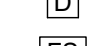
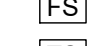
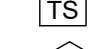
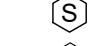
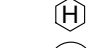

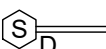
ENGINEERING

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**618-964-9418**  
 Benjamin P. Boyt  
 Sole Proprietor

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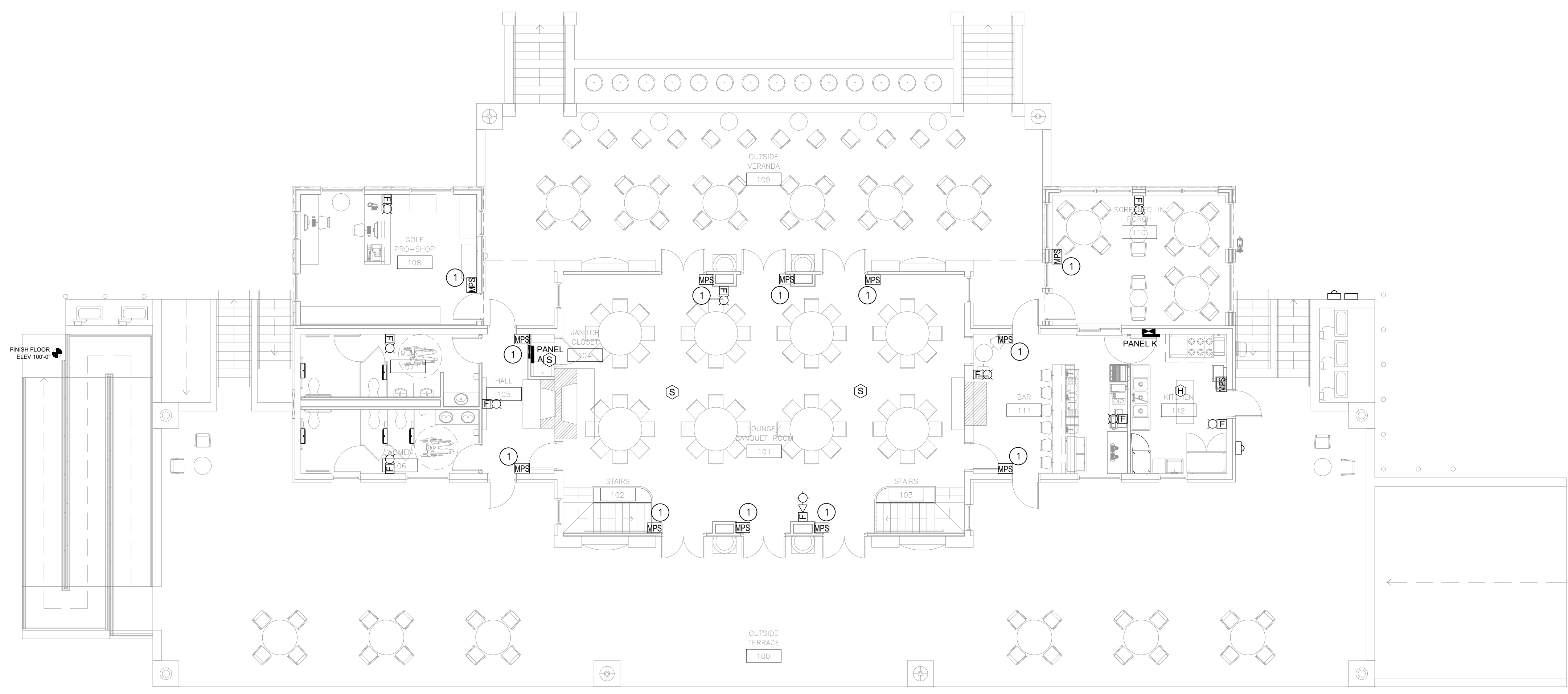
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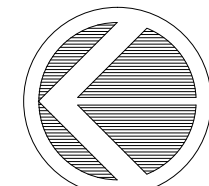
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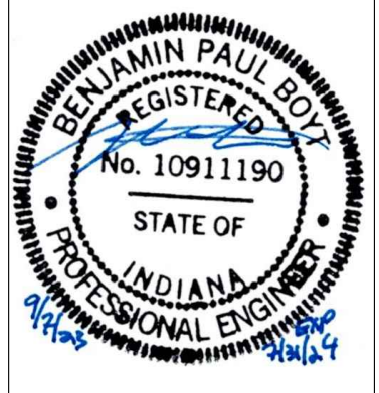
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PHONE (812) 232-5256

PROJECT  
**REA PARK CLUBHOUSE  
RENOVATION**

JOB NUMBER  
**2214**  
DATE  
**09/07/23**  
SHEET TITLE  
**1ST FLR FIRE ALARM**

**BOYT ENGINEERING**  
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618-964-9418  
Benjamin P. Boyt  
Sole Proprietor

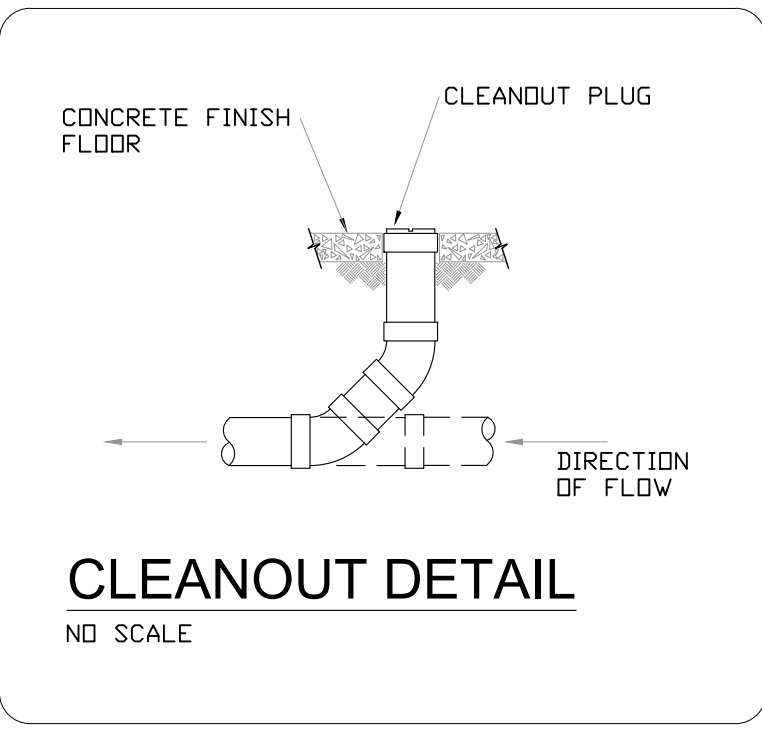
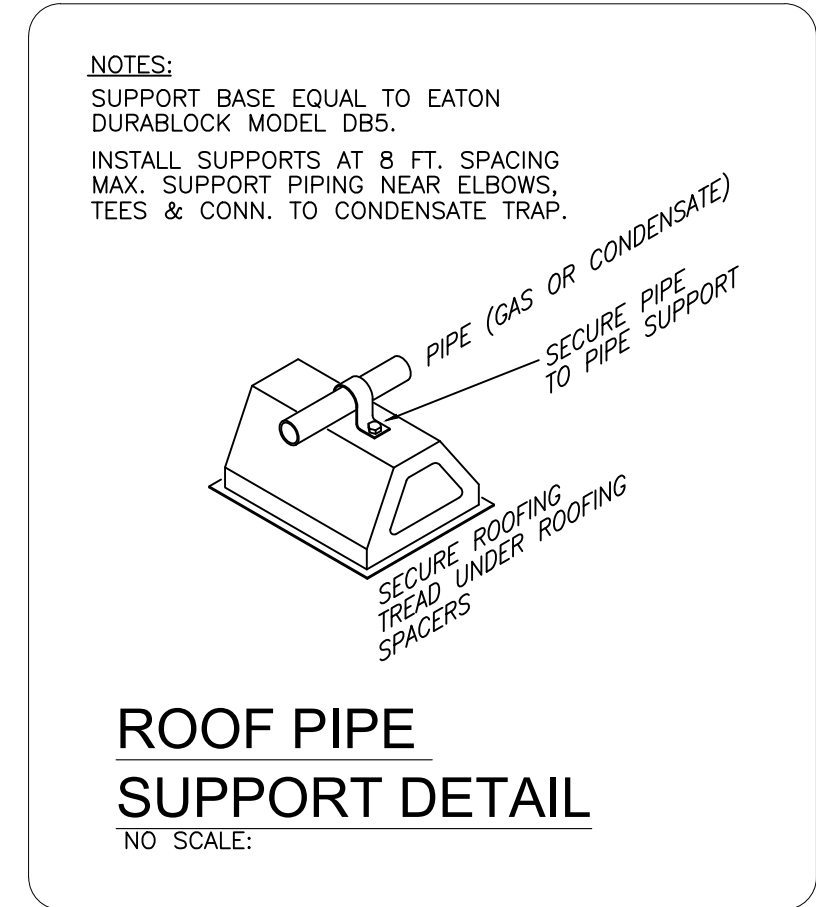
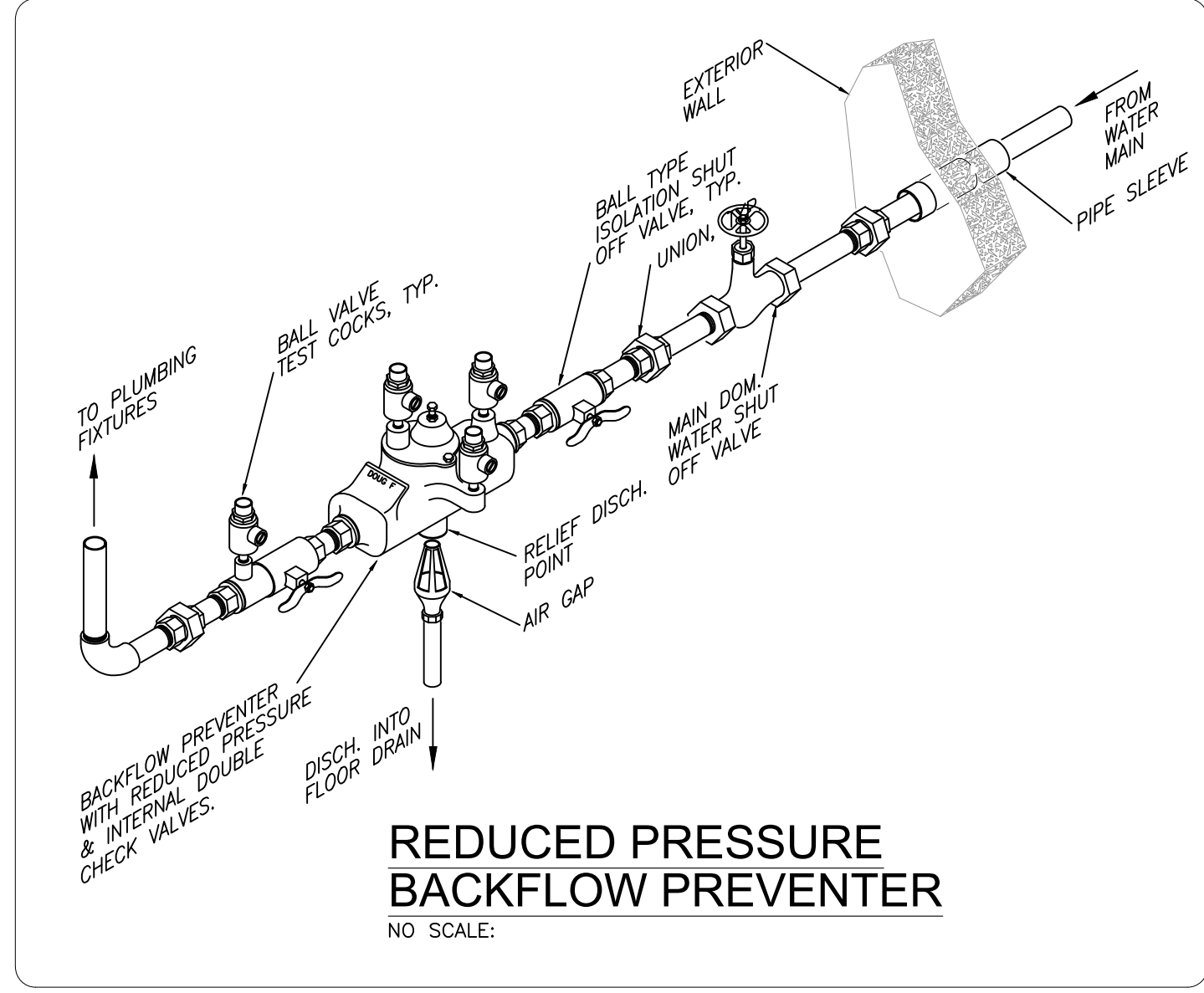
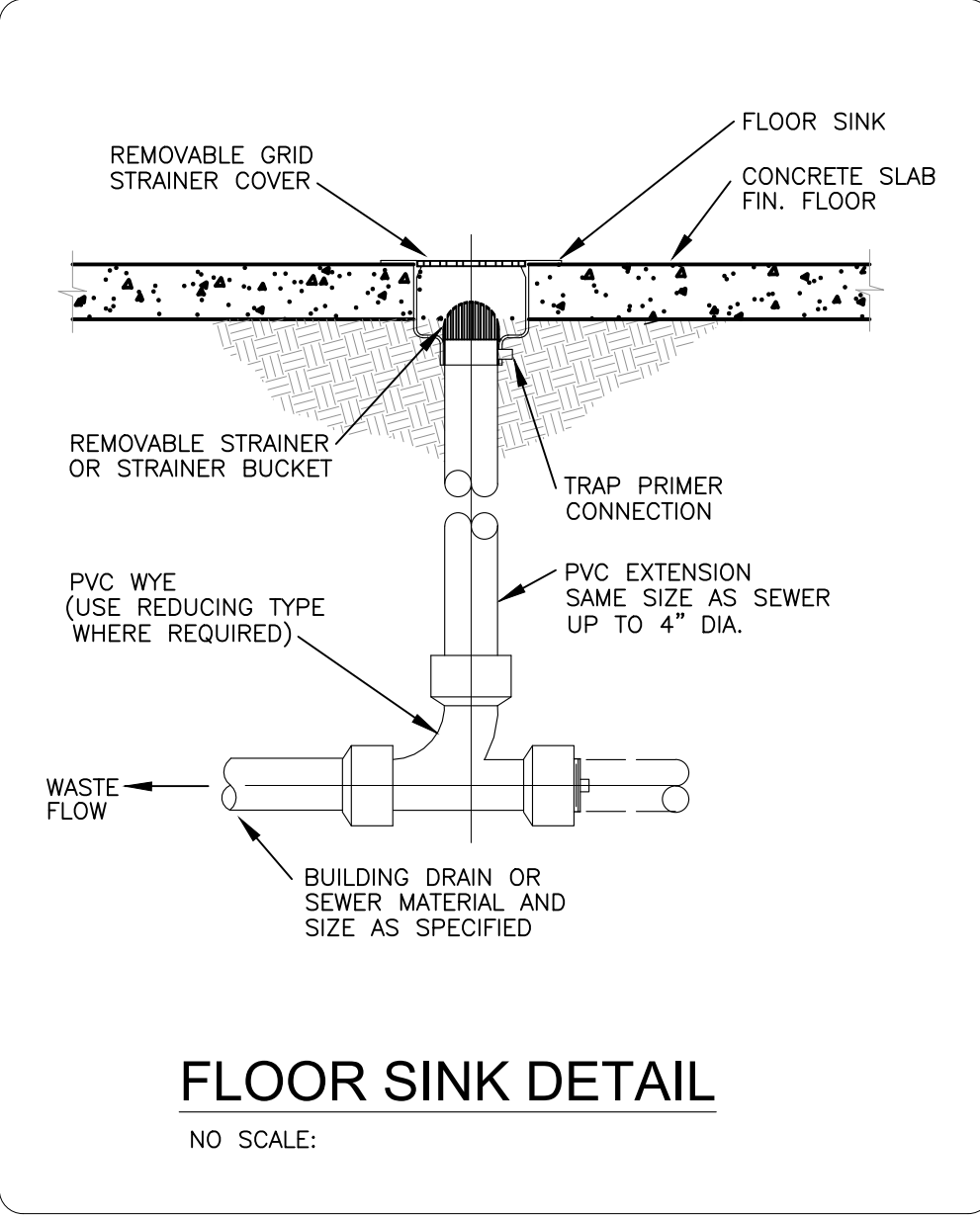
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LEGEND	
SS	SANITARY SEWER PIPING
---	SANITARY VENT PIPING
—	DOM. COLD WATER PIPING
—	DOM. HOT WATER PIPING
—	DOM. TEMPERED WATER PIPING
G	NATURAL GAS PIPING
C	CONDENSATE DRAIN PIPING
○	CONNECTION POINT NEW TO EXIST.
○	BALL VALVE
∩	CHECK VALVE
∩	BALANCING VALVE
WC	WATER CLOSET
WC-HC	WATER CLOSET HANDICAP
LAV-HC	LAVATORY HANDICAP
SH-HC	SHOWER HANDICAP
EWC-HC	ELECT. WATER COOLER HANDICAP
HC	HANDICAP
KS	KITCHEN SINK
DW	DISHWASHER
PF	POT FILLER
ES	EXAM SINK
WKF	WOK FILER
MB	MOP BASIN
IWH	INSTANTANIOUS WATER HEATER
FD	FLOOR DRAIN
FS	FLOOR SINK
OR	OPEN RECEPACLE
SCS	SOLIDS COLLECTION SUMP
WB	WASHER BOX
HB	HOSE BIBB
WH	WALL HYDRANT
MV	MIXING VALVE
CO	CLEAN OUT
WCO	WALL CLEAN OUT
YCO	YARD CLEAN OUT
DCV	DOUBLE CHECK VALVE
VTR	VENT THRU ROOF
RPBFP	REDUCED PRESSURE BACKFLOW PREVENTER

**PLUMBING GENERAL NOTES:**

- PLUMBING CONTRACTOR SHALL PROVIDE COMPLETE SYSTEMS AND EQUIPMENT AS SHOWN AND SHALL COMPLY WITH ALL APPLICABLE SPECIFICATIONS.
- PLUMBING CONTRACTOR SHALL INSTALL ALL PLUMBING, FIXTURES, AND PLUMBING SPECIALTIES (AIR GAPS, ANTI-SIPHON DEVICES, VALVES, WATER HAMMER ARRESTORS, ETC.) AS NECESSARY TO COMPLY WITH THE 2018 INTERNATIONAL PLUMBING CODE AND ALL LOCAL REQUIREMENTS.
- FIXTURES INDICATED TO BE ADA COMPLIANT SHALL CONFORM AND BE INSTALLED TO COMPLY WITH THE MISSOURI ACCESSIBILITY ACT AND ADA ACCESSIBILITY GUIDELINES.
- PLUMBING CONTRACTOR SHALL INSTALL ALL NATURAL GAS PIPING AS NECESSARY TO COMPLY WITH NATIONAL FUEL GAS CODE HANDBOOK.
- THE PLAN IS DIAGRAMMATIC IN NATURE AND NOT ALL PIPING IS SHOWN. EXISTING CONDITIONS MAY VARY AND DEMOLITION, SAWCUTTING OF FLOORS MAY NOT BE SHOWN BUT MAY BE REQUIRED. CONTRACTOR IS RESPONSIBLE TO CARRY OUT DEMOLITION WORK TO HAVE A FULLY FUNCTIONAL SYSTEMS AS SHOWN ON DRAWINGS. ALL DEMOLITION WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.
- VENT PIPING IS SHOWN. PROVIDE COMPLETE VENT SYSTEM UTILIZING AS FEW ROOF PENETRATIONS AS POSSIBLE.
- PLUMBING CONTRACTOR SHALL LOCATE ALL VENTS AT LEAST 10' AWAY FROM ALL HVAC OUTSIDE AIR INTAKES.
- INSTALL ALL SUPPLY PIPING AS HIGH AS POSSIBLE ABOVE THE DROP CEILING. TYPICALLY UP AGAINST THE CEILING/ROOF STRUCTURE. VENT PIPING SHALL EXTEND UP INTO DROP CEILING SPACE.
- ALL PIPING SHALL COMPLY WITH THE INTERNATIONAL PLUMBING CODE AS ADOPTED BY THE MUNICIPALITY IN WHICH THE PROJECT IS LOCATED. IF ANY CONFLICT EXISTS THE CODE IS THE DEFAULT DOCUMENT.
- CONFIRM ALL CONNECTION SIZES AND EQUIPMENT REQUIREMENTS PRIOR TO ORDERING MATERIALS.
- INCLUDE NATURAL GAS REGULATORS AT EACH POINT OF EQUIPMENT CONNECTION, WHEN REQUIRED FOR PROPER EQUIPMENT OPERATIONS.
- ALL MATERIALS USED TO COMPLY WITH 2018 INTERNATIONAL PLUMBING CODE, VERSION ADOPTED AT TIME OF CONSTRUCTION.
- ALL SINKS AND LAVS THAT ARE NOT FULL TEMP WATER SHALL HAVE A MIXING TEE OR MIXING VALVE INSTALL AT FIXTURE.



**FIRE PROTECTION NOTES:**

- FIRE PROTECTION SHALL BE A FULLY SPRINKLED 100% COVERAGE (WET TYPE) SPRINKLER SYSTEM WHICH SHALL BE DESIGNED AND INSTALLED PER NFPA 13, AND TO ALL APPLICABLE CODES AND REGULATIONS.
- THE SPRINKLER SYSTEM SHALL BE DESIGNED BY AN INDIVIDUAL FULLY LICENSED TO DESIGN SPRINKLER SYSTEMS AT THE PROJECT LOCATION AND IT SHALL BE INSTALLED BY A CONTRACTOR FULLY APPROVED BY THE STATE TO INSTALL SPRINKLER SYSTEMS.
- CONTRACTOR SHALL SUBMIT HYDRAULICALLY DESIGNED SYSTEM AND SUBMIT SHOP DRAWINGS TO THE A/E AND ANY APPLICABLE GOVERNMENTAL AGENCY FOR APPROVAL. CONTRACTOR SHALL OBTAIN ALL PERMITS AND FEES REQUIRED.
- ROUTING OF PIPING SHALL BE DETERMINED BY CONTRACTOR AND SHALL BE COORDINATED WITH ALL OTHER TRADES TO HAVE MINIMAL INTERFERENCE WITH DUCT ROUTING, PIPE ROUTING, ETC. SYSTEM SHALL MEET SEISMIC ZONE REQUIREMENTS.
- EXPOSED SPRINKLER HEADS IN FINISHED AREAS SHALL BE FULLY RECESSED WITH COVER PLATE TO MATCH THE CEILING.
- LOCATE SPRINKLER HEADS IN CENTER OF TILES WHERE POSSIBLE. SPRINKLER SYSTEM SHALL INCLUDE PIPE RISER, SIAMESE CONNECTIONS AND ALL PERTINENT FIRE PROTECTION SYSTEM NEEDS FOR A FULLY FUNCTIONAL SYSTEM. PROVIDE PIPING MAINS SIZED FOR 100% COVERAGE.
- WET SYSTEM SHALL BE EVERYWHERE EXCEPT IN UNCONDITIONED AND UNINSULATED AREAS. THESE AREAS ARE TO BE DRY TYPE.
- FIRE PROTECTION CONTRACTOR SHALL COORDINATE THE SIZING AND INSTALLATION OF THE FIRE PUMP AND AIR COMPRESSOR.
- COORDINATE WITH ALL OTHER TRADES FOR SEAMLESS CONSTRUCTION.

TAG	SERVES	DESIGN BASE		REMARKS
		MAKE	MODEL	
WC/ WC-HC	PUBLIC	AMERICAN STANDARD	3351.101	AFWALL ELONGATED ADA COMPLIANT WALL MOUNTED WATER CLOSET, NARROW BACK TO BACK WALL CARRIER REQUIRED. PROVIDE ELONGATED HEAVY DUTY OPEN FRONT TOILET SEAT.
		AMERICAN STANDARD	6065.121.002	EXPOSED 1.28 GPF 1 1/2" TOP SPUD SENSOR OPERATED FLUSH VALVE. DC POWER. 1" INLET
LAV/ LAV-HC	PUBLIC	KOHLER	K-2210	CAXTON 19" OVAL UNDERMOUNT BASIN. 4" FAUCET HOLES WHITE 20"X17"X8"
		CHICAGO FAUCET	116.966AB.1	E-TRONIC TOUCHLESS BATTERY POWERED FAUCET. PROVIDE MIXING TEE. ADA COMPLIANT. PROVIDE DRAIN AND FULL P-TRAP
UR/UR-HC	PUBLIC	AMERICAN STANDARD	6063051.002	EXPOSED SENSOR OPERATED FLUSH VALVE. 3/4" SPUD FACOTRY INSTALLED LITHIUM BATTERY.
		TOTO	UT104E	.5GPF COMMERCIAL WASHOUT URINAL 3/4" TOP SPUD 2" OUTLET FLANGE.
WH	WALL HYDRANT	J.R.SMITH	5609QT	NON-FREEZE, 1/4-TURN, W/VACUUM BREAKER, 3/4" HOSE CONNECTION INCLUDE STEM LOCK PACKAGE WITH KEYS
DWH-1	RESTROOM LAVS	A.O. SMITH	ENLB-30	34" WATER HEATER. 43 GAL FIRST HR RECOVERY DUEL 4500W ELEMENTS .93 UEF
DWH-2	KITCHEN	A.O. SMITH	GPVT-50	50 GAL POWER VENT NATURAL GAS WATER HEATER LOW NOX .79UEF 97 GAL FIRST HR RATING.
DS	BAR	JOHN BOOS	PBF-4SM2-6LF-X	HEAVY DUTY SPLASH MOUNT 6" FAUCET
		JOHN BOOS	UBDS-1812-X	UNDER BAR DUMP SINK FREE STANDING STAINLESS STEEL
UHS	BAR	JOHN BOOS	PBF-4SM2-3GLF-X	HEAVY DUTY FAUCET SPLSH MOUNT
		JOHN BOOS	UBHS-1812-X	UNDER BAR HAND SIN FREE STANDING STAINLESS STEEL
PS	KITCHEN	JOHN BOOS	PBF-4DM-5GLF	HEAVY DUTY DECK MOUNT 5" GOOSE NECK FAUCET
		JOHN BOOS	EPT8R5-3048GSK-R	PREP WORK TABLE WITH SINK ADJUSTABLE LEGS
HS	KITCHEN	JOHN BOOS	PBHS-W-1410-P	STAINLESS STEEL WALL MOUNT HAND SINK WITH DECKMOUNT FAUCET. PROVIDE ALL HARDWARE FOR TRAP AND DRAIN.
BS	BAR	JOHN BOOS	PBF-4SM2-10LF-X	SPLASH MOUNT 10" SWING SPOUT, 4" CENTERS
		JOHN BOOS	UBS3-1860-2D12-X	3 BOWL UNDER BAR SINK WITH FAUCETS AND L/R DRAIN BOARDS 72"X21"X33"H. INCLUDE ALL HARDWARE TO PIPE TO FLOOR SINK.
3-COMP	KITCHEN	T&S	B-0133-ADF12-B	12" ADJUSTABLE CENTER WALL MOUNT FAUCET WITH PRE RINSE SPRAYER
		JOHN BOOS	3B16204-2D18-X	STAINLESS STEEL 3 COMPARTMENT SINK WITH LEFT AND RIGHT DRAIN BOARDS. 87"X25"X44"H
GT	KITCHEN	WATTS	GP-25	25 GPM ON FLOOR GREASE TRAP WITH 50LB GREASE CAPACITY 3" INLET/OUTLET
FS	BAR	SIOUX CHIEF	861-2PZ	SQUARE PVC FLOOR SINK WITH STAINLESS STEEL STRAINER 2" CONNECTION.
MS	GYM	FIAT	MSB3624	36"X24"X10" MOP SRVICE BASIN. INCLUDE SPLASH GURADS AND MOP HANGER.
RPBFP	PUBLIC	ZURN	975XL3	1 1/2" REDUCED PRESSURE BACK FLOW PREVENTOR, INCLUDE VALVES AND ALL HARDWARE FOR FUNCTIONAL SYSTEM. LOW LEAD BRONZE.
FD-1	FLOOR DRAIN	JR SMITH	2320	MEDIUM DUTY FLOOR DRAIN WITH ADJUSTABLE TOP, SPECIFY NICKLE BRONZE FINISH. 3" DRAIN
FD-2	FLOOR DRAIN	SIOUX CHIEF	860-64I	HEAVY DUTY FLOOR DRAIN WITH ADJUSTABLE TOP, SPECIFY NICKLE BRONZE FINISH. 4" DRAIN

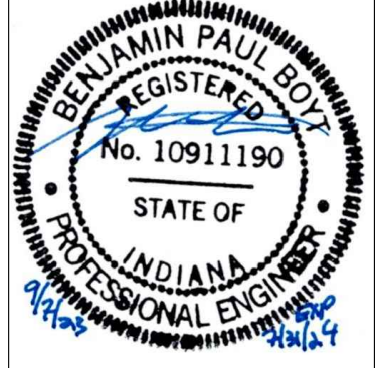
NOTE: PROVIDE ENGINEER WITH ALL EQUALS CUT SHEETS PRIOR TO ORDERING FOR REVIEW.

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PHONE (812) 232-5256

PROJECT  
**REA PARK CLUBHOUSE  
 RENOVATION**

JOB NUMBER  
**2214**

DATE  
**09/07/23**

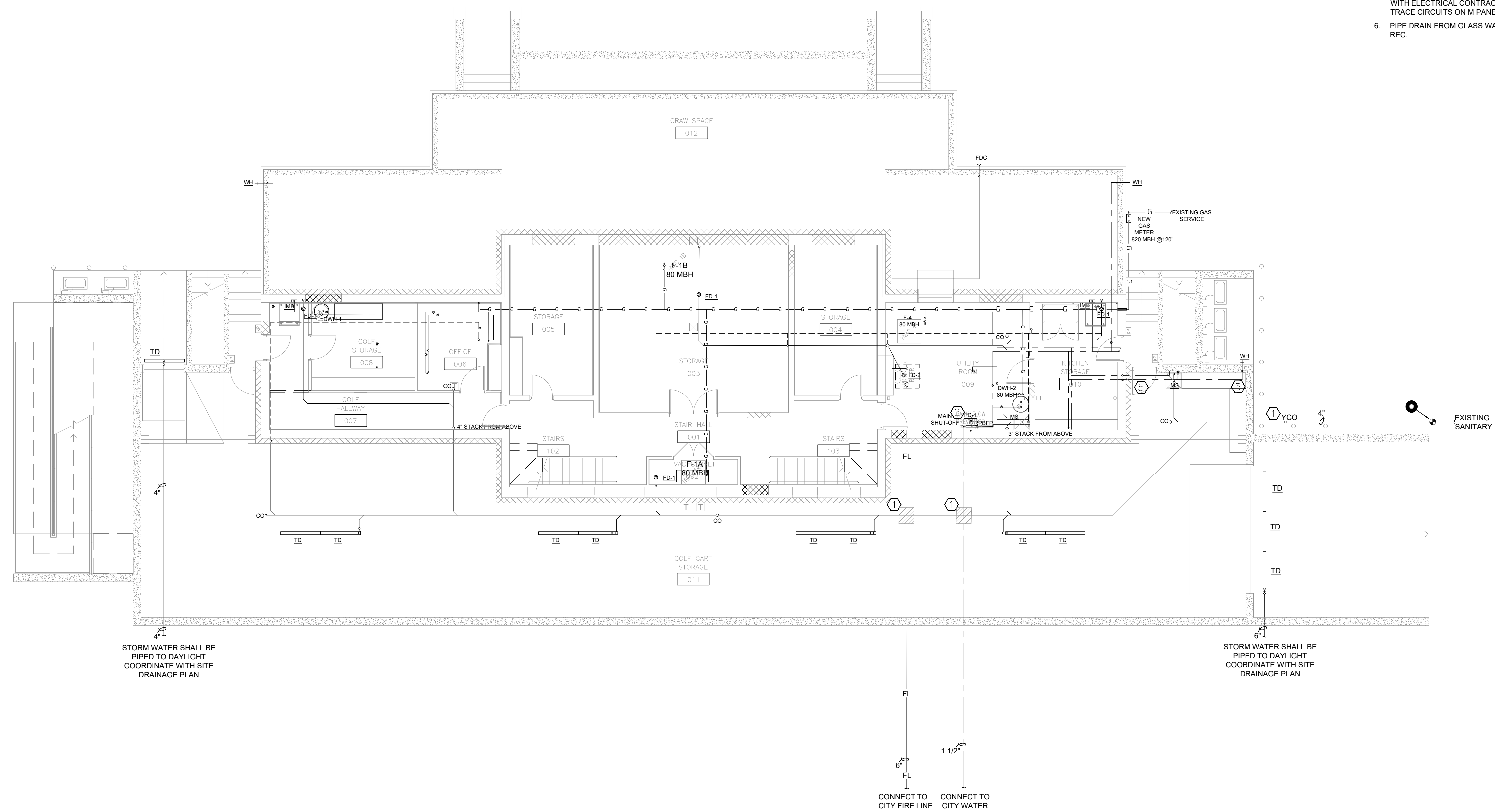
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SHEET

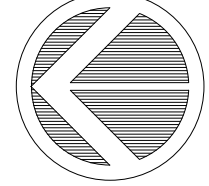
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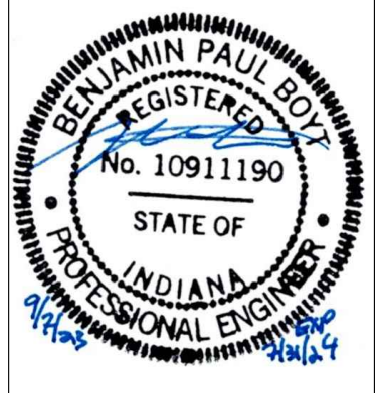
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  - MAIN WATER CONNECTION, MAIN WATER SHUT OFF AND RPBF.
  - GAS PIPING CONTINUES UP INTO ATTIC SPACE FOR FURNACES AND OUT TO ROOF FOR MJUA UNIT.
  - COORDINATE RAIN WATER RUN OFF WITH SITE DRAINAGE PLAN.
  - HEAT TRACE AND INSULATE ALL EXPOSED PIPING IN CART STORAGE AREA. COORDINATE ELECTRICAL CONNECTION WITH ELECTRICAL CONTRACTOR. USE HEAT TRACE CIRCUITS ON M PANEL, M33 & M34.
  - PIPE DRAIN FROM GLASS WASHER TO OPEN REC.


**BASEMENT PLUMBING PLAN**  
 SCALE 1/8" = 1'-0"

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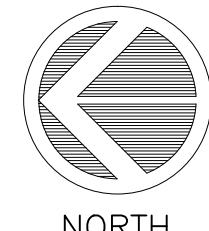
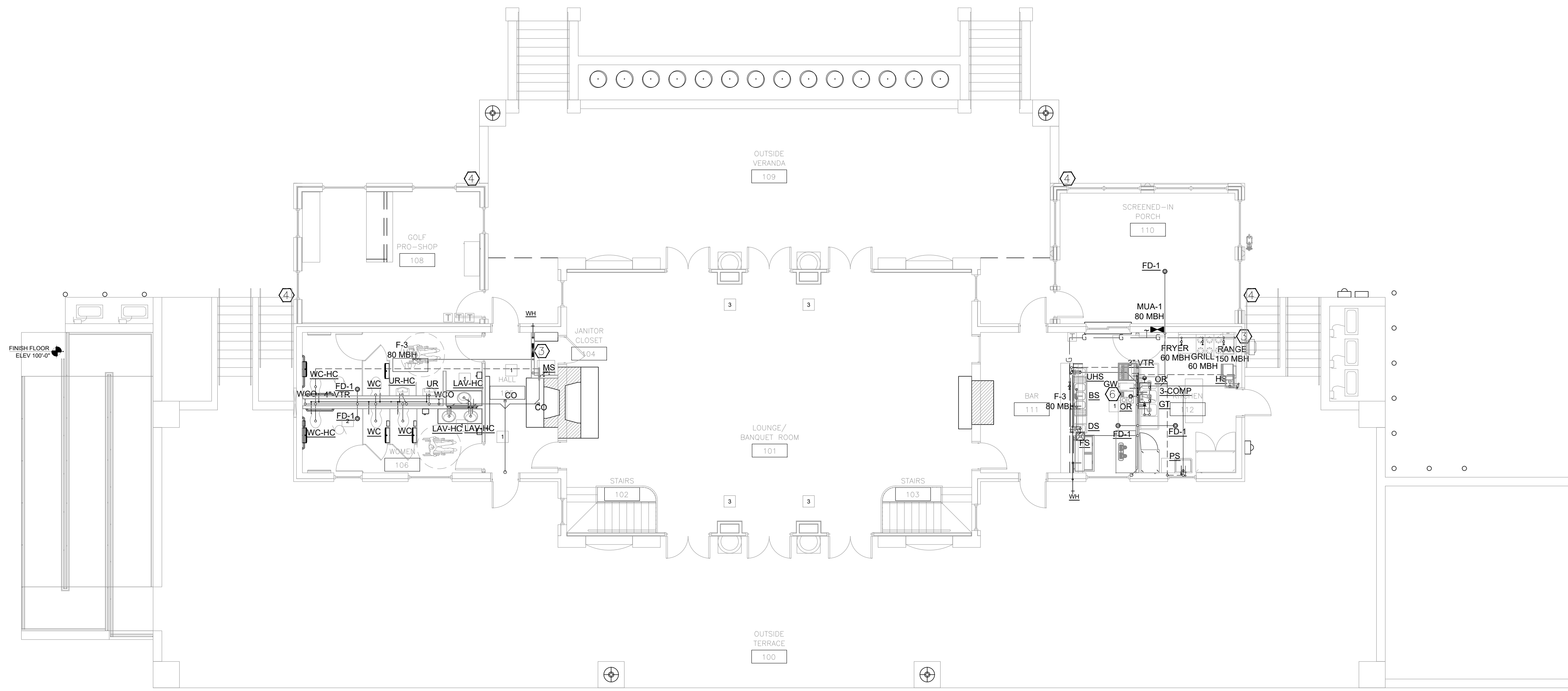
SHEET TITLE  
**PLUMBING PLAN**

SHEET

**P1.1**


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**FIRST FLOOR PLUMBING PLAN**

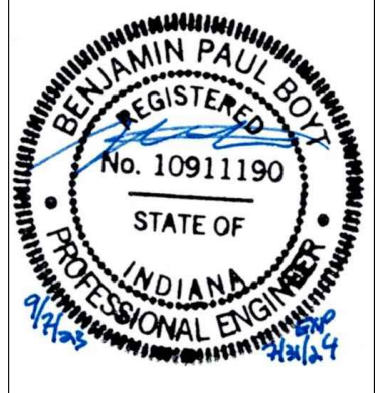
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SHEET TITLE  
**PLUMBING PLAN**

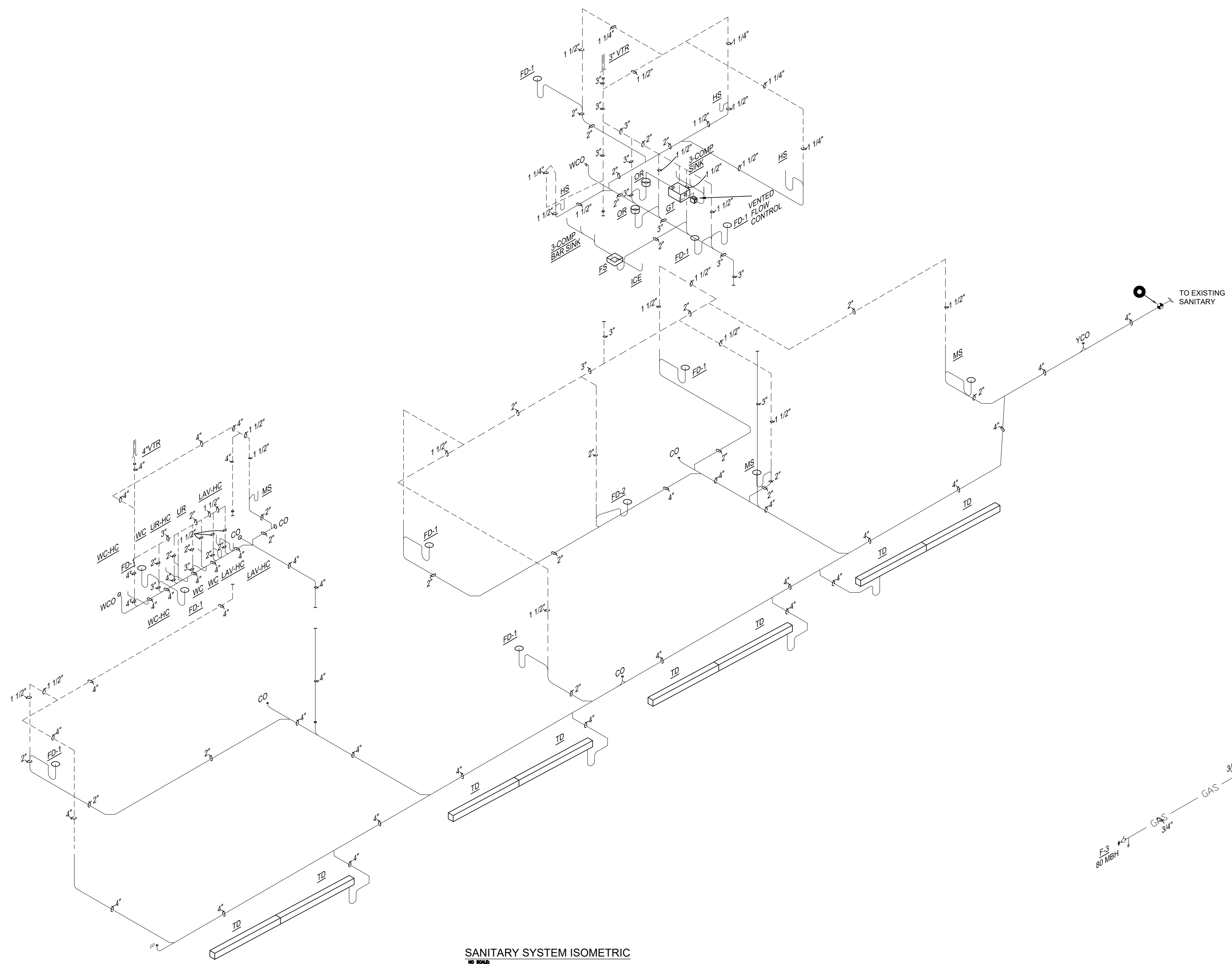
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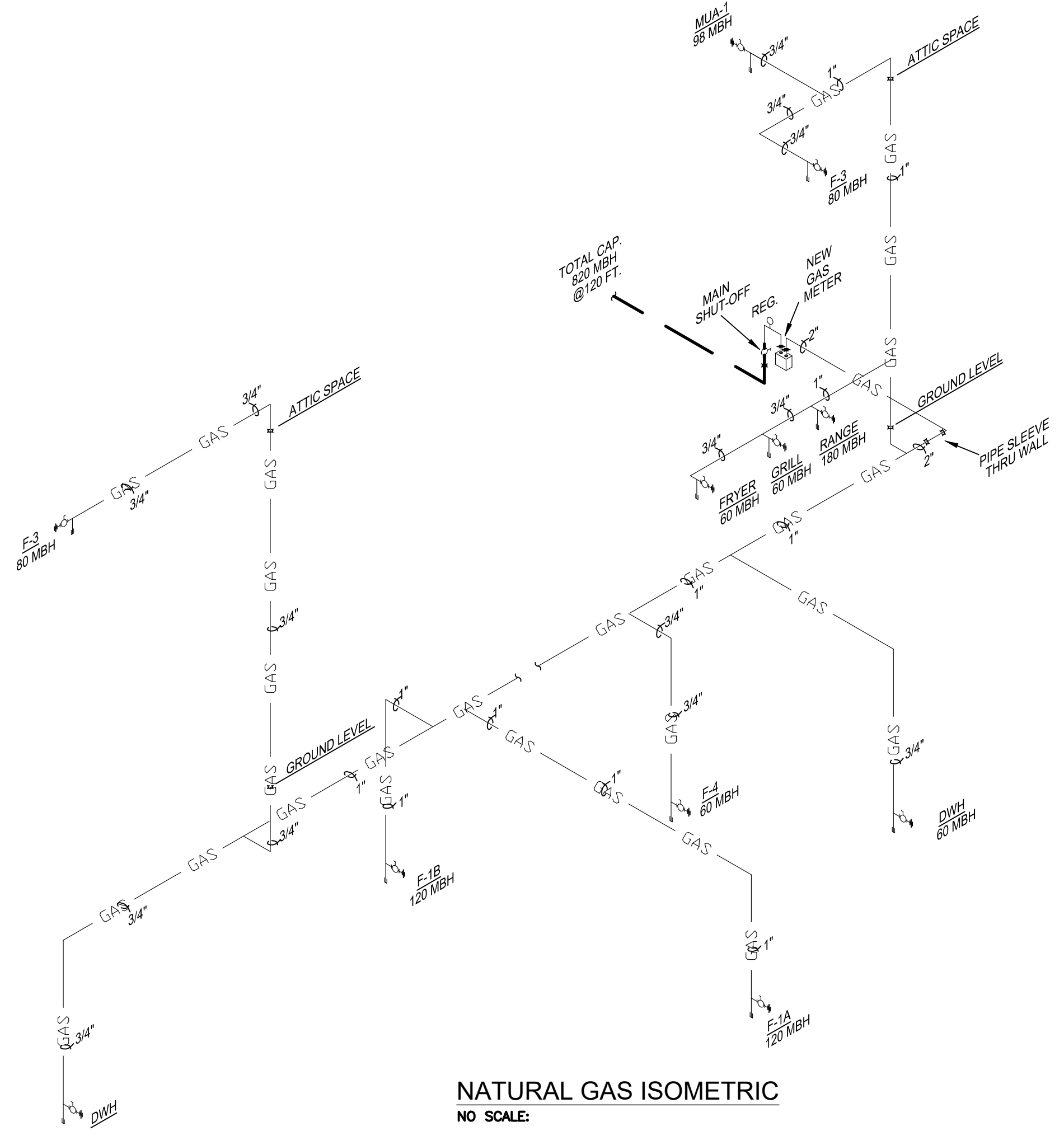
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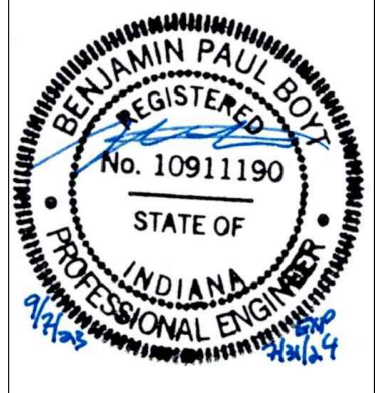
**SANITARY SYSTEM ISOMETRIC**  
NO SCALE



**NATURAL GAS ISOMETRIC**  
NO SCALE

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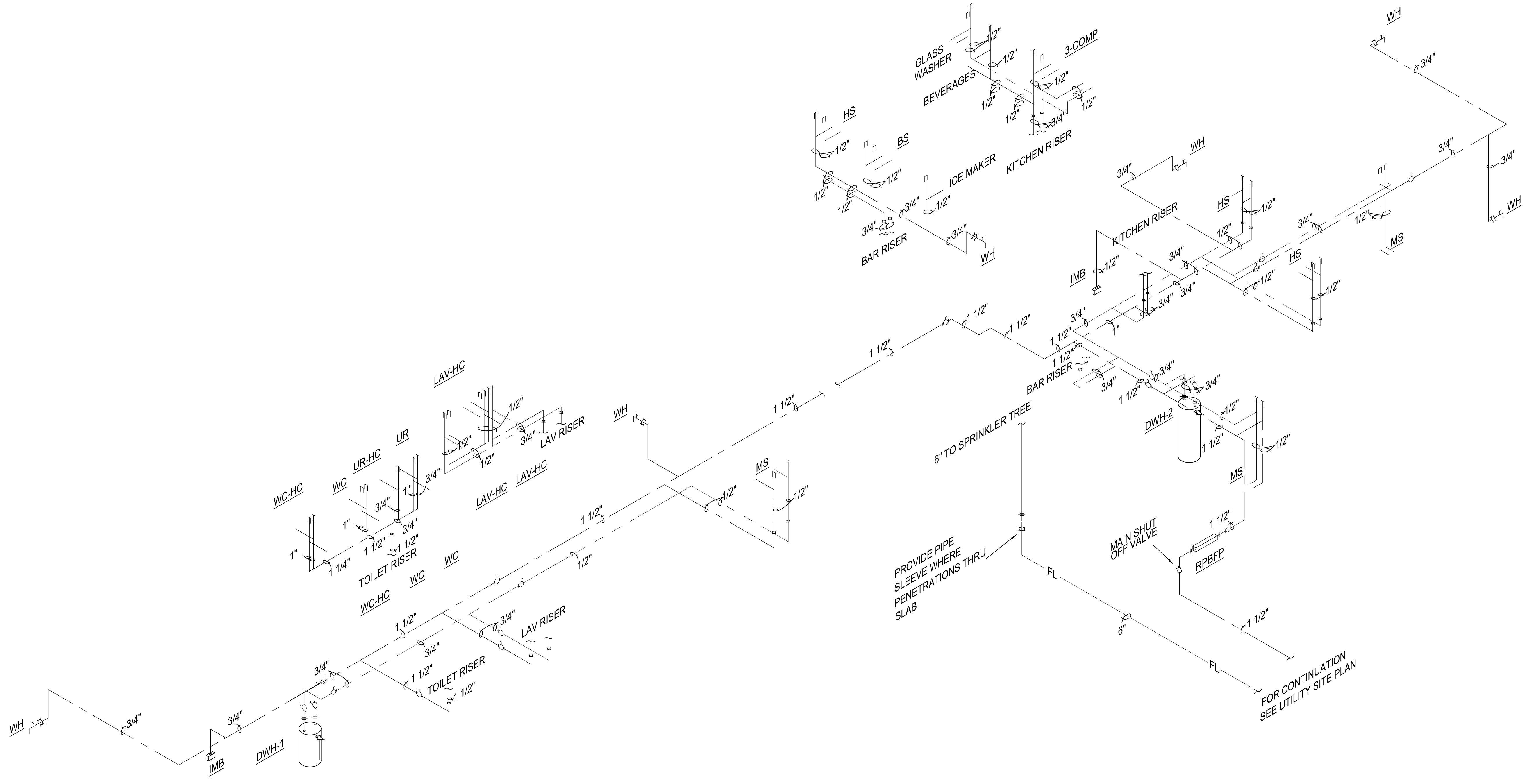
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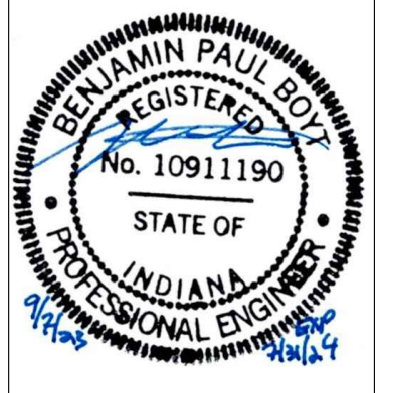


WATER SUPPLY ISOMETRIC  
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