

# FULTON-EL CAMINO RECREATION & PARK DISTRICT

## COTTAGE POOL FACILITY RESTROOM REPAIR & REMODEL

3097 COTTAGE WAY - SACRAMENTO, CALIFORNIA



K12 Architects, Inc  
3090 Fite Circle, #104  
Sacramento, CA 95827  
PH:(916) 455-6500 - www.K12Architects.com

CONSULTANTS:

CONTRACTOR:

PROJECT:

**COTTAGE  
POOL  
FACILITY**

**RESTROOM  
ACCESSIBILITY  
ALTERATIONS**

**3709 Cottage Way  
Sacramento, California**

OWNER:

**Fulton-El Camino Recreation  
and Park District  
2201 Cottage Way  
Sacramento, CA 95825  
P: (916) 927-3805**

REVISIONS:

PROFESSIONAL SEALS:



PROJECT NUMBER: **18-045** | PROJECT DATE: **2-21-2019**

SHEET CONTENTS:

**COVER  
SHEET**

SHEET NUMBER:

**A001**

### GENERAL NOTES

- Scope: Provide all items, articles, materials and operations including labor, materials, equipment and incidentals necessary for a complete job.
- Materials and equipment shall be installed, applied, or erected in accordance with manufactures recommendations or requirements, unless the drawings exceed those requirements or recommendations.
- By executing the contract, the General Contractor affirms he has visited the site and is familiar with the conditions under which the work is to be performed.
- Responsible supervision shall be at the site during all phases of construction.
- Contractor to verify all conditions and dimensions at the site. All inconsistencies shall be brought to the attention of the Architect before proceeding with the work.
- Conform to the current edition of all adopted building codes and ordinances.
- DO NOT SCALE DRAWINGS, VERIFY AT SITE.**
- Details not specifically shown shall be similar to adjacent details.
- The Contractor shall coordinate the work of all trades and verify all dimensions.
- No structural work shall be cut, notched or otherwise penetrated, unless approved in writing by the Architect in advance, unless detailed on the drawings.
- The Contractor shall be responsible for the safety of the building and the occupants during construction, and shall provide adequate protection. Shoring and bracing shall be adequate for the construction. The Contractor shall comply with applicable safety requirements and codes.
- Contractor shall provide debris box and keep premises clean daily.
- Provide construction dust barriers as required by governing authority.
- Provide adequate blocking for all fixtures.
- Prior to excavation, determine and verify location of utility services in all areas to be excavated.
- Contractor shall comply with all pertinent laws, codes, regulations, C.B.C., governing agencies and manufactures specifications, unless greater requirements are indicated, and/or are necessary for the safety of the project.
- The owner shall pay for all standard permits required for the construction documents.
- The General Contractor shall provide owner with a construction schedule prior to starting the work, and shall provide a qualified superintendent throughout the work.
- Unless stated otherwise in the scope of work summary, the General Contractor shall install all other procedures, testing and materials.
- Local jurisdiction business licenses are/may be required for all Contractors and Subcontractors providing work on the building or site.
- The General Contractor shall provide barricades and safety signs per O.S.H.A. requirements, and provide testing of the petroleum system and controls (including a systems Petrolite test), and of all new and modified air, water and electrical systems.
- Construction activities shall be limited to the following hours of operations (failure to comply with following hours of operations would result in withholding of inspection):  
6:00 a.m. to 7:00 p.m. Monday thru Friday  
9:00 a.m. to 6:00 p.m. Saturday  
No construction on Sunday
- Mitigate impacts that could be triggered from construction. The Contractor will shield unwanted glare from machines or temporary use of equipment.
- The prime Contractor awarded the construction work will be required to have State Hazardous Substance Removal Certification in addition to their State Contractor's license.
- Any excavated material that is of a suspicious nature will be stockpiled on-site; samples will be taken by the consultant and tested for the presence of contaminants. Any excavated material that does not meet the requirements of the responsible regulatory agencies will be hauled off-site to an approved landfill. Any material that meets the requirements of the regulatory agencies will be placed back in the work area and/or disposed off-site to a normal disposal/recycling facility.
- Any stockpiled material will be placed on plastic sheeting and covered with plastic sheeting to prevent spreading and mixing of the material.
- Utility companies responsible for the relocation of facilities as part of the construction work in accordance with franchise agreements with the local jurisdiction will be required to provide their own monitoring program for the presence of hazardous materials during construction in accordance with all regulatory agencies.
- If necessary, a technical report will be prepared by the local jurisdiction approved environmental consultant documenting conditions witnessed during the excavation work and any other tasks performed.
- Particularly loud noises shall not occur before 8:00 a.m. on weekdays and not at all on weekends. The Assistant local jurisdiction Manager upon a determination that unusually loud construction activities are significantly impacting the neighbors may modify the hours of construction. Failure to comply with the above-described hours of operation may result in withholding inspections and possible construction prohibitions, subject to the review and approval of the Engineer.
- Sidewalks, parking lots and other paved areas must be swept regularly to prevent the accumulation of litter and debris. If pressure washed, debris must be trapped and collected to prevent entry into the storm drain system. No cleaning agent may be discharged to the storm drain.
- Landscaping shall be properly maintained and shall be designed with efficient irrigation practices to reduce runoff, promote surface filtration and minimize the use of fertilizers and pesticides, which can contribute to runoff pollution. Dead and dying plants shall be replaced.
- All new building, canopy and site signage requires separate sign permits. Contact the planning department for submittal requirements.
- Provide a continuous 6" high, 6" wide concrete curbing shall be provided around all planter areas within or adjacent to the parking lot and driveways.

### CONSULTANTS

#### MECHANICAL, PLUMBING & ELECTRICAL:

Sacramento Engineering Consultants  
10555 Old Placerville Road  
Sacramento, CA 95827  
P: (916) 368-4468  
Contact: Rickert Henriksen

### PROJECT DATA

ASSESSOR'S PARCEL NUMBER(S):	083-0221-002-13		
ZONING:	O - RECREATION		
PROJECT SITE AREA (GROSS):	(2.37 ACRES)	103,237 S.F.	
BUILDING DATA:			
STRUCTURE	U.B.C. OCCUP.	TYPE OF CONST.	AREA
COTTAGE POOL FACILITY:			
MAIN REC. CENTER	E	V B	4,464 S.F.
POOL EQUIPMENT BLDG.	A-4	V B	898 S.F.
LIFEGUARD / STORAGE BUILDING	A-4	V B	424 S.F.
EXISTING PARKING PROVIDED			
REGULAR SPACES			= 19
ACCESSIBLE SPACES			= 1
TOTAL =			20

### DRAWING INDEX

<b>GENERAL</b>		<b>MECHANICAL AND PLUMBING</b>	
A001	PROJECT COVER SHEET	M0.1	MECHANICAL LEGEND, NOTES, SCHEDULES AND DETAILS
		M2.1	ENLARGED MECHANICAL FLOOR PLAN
<b>ARCHITECTURAL</b>		P0.1	PLUMBING LEGEND & SCHEDULES
A101	ARCHITECTURAL SITE PLAN	P1.1	PLUMBING NOTES & DETAILS
A200	OVERALL FLOOR PLAN	P2.1	ENLARGED DEMOLITION PLUMBING FLOOR PLANS
A201	ENLARGED RESTROOM FLOOR PLANS	P2.2	ENLARGED DEMOLITION PLUMBING FLOOR PLANS
		P2.3	ENLARGED PLUMBING FLOOR PLANS
		P2.4	ENLARGED PLUMBING FLOOR PLANS
A801	ARCHITECTURAL DETAILS	T-24A	T-24 COMPLIANCE
		T-24B	T-24 COMPLIANCE
		<b>ELECTRICAL</b>	
		E0.1	ELECTRICAL NOTES, SCHEDULES, SYMBOLS
		E2.0	INTERIOR LIGHTING COMPLIANCE FORMS
		E3.0	ELECTRICAL DEMOLITION PLAN
		E3.1	ELECTRICAL PLAN

### SCOPE OF WORK

REPAIR / REMODEL OF EXISTING RESTROOM FACILITIES:  
**THE ARE FOUR (4) NON-ACCESSIBILITY COMPLIANT SINGLE USER RESTROOMS AT THE MAIN ENTRANCE OF THE POOL RECREATION CENTER BUILDING. THE OWNER IS PROPOSING TO COMBINE THE FOUR (4) NON-COMPLIANT RESTROOMS INTO TWO (2) ACCESSIBLY COMPLIANT RESTROOMS.**  
**THE BUILDING ALSO HAS A MEN'S AND WOMEN'S MULTI-USER RESTROOMS THAT ARE ACCESSED FROM THE POOL DECK AREA. THESE RESTROOMS HAVE A SINGLE SHOWER AREA IN EACH WHICH ARE NON-COMPLIANT AND IN DISREPAIR. WE ARE GOING TO REPAIR THE EXISTING SHOWER, AND CONVERT SOME OF THE EXISTING CHANGING AREA INTO AN ACCESSIBLY COMPLIANT SHOWER. THE WORK WILL INCLUDE REPAIRING EXISTING SEWER LINE FROM THE MULTI-USER RESTROOMS.**

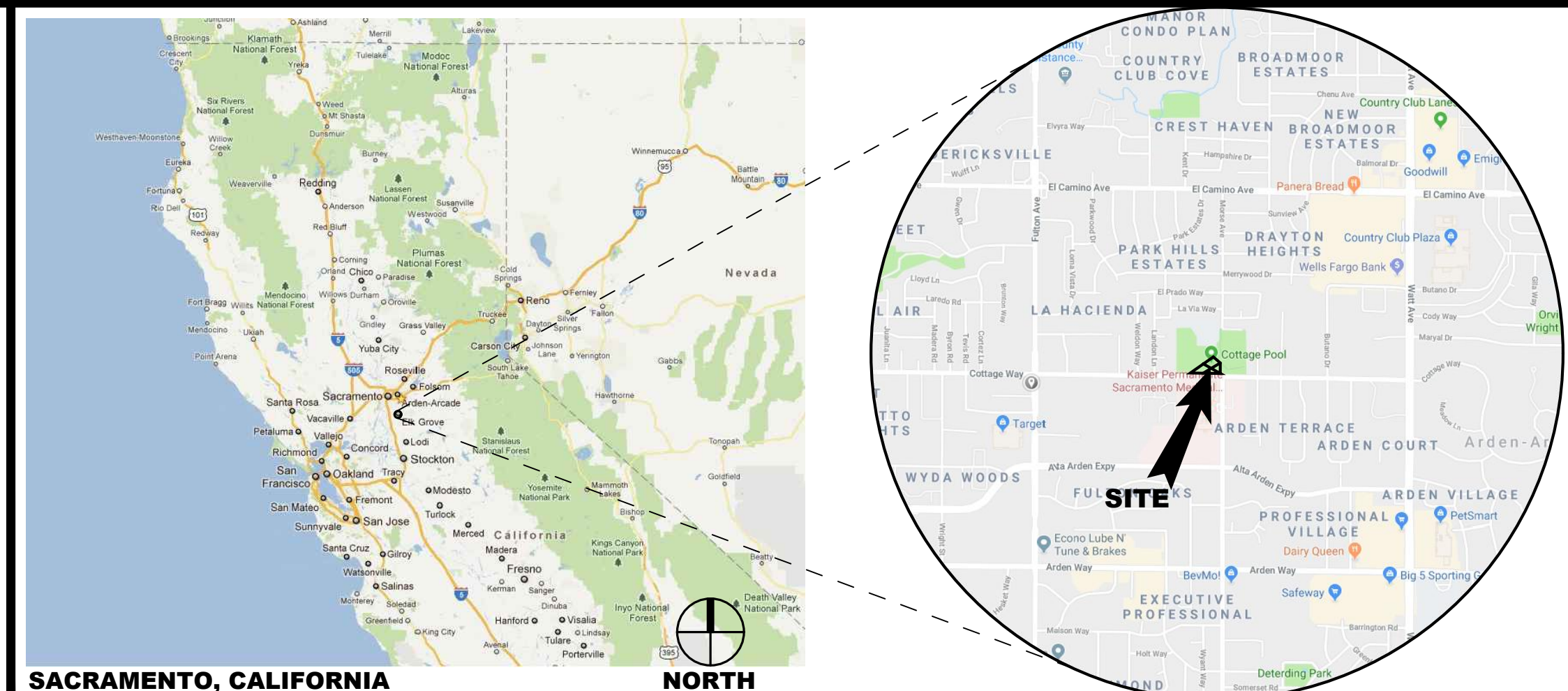
### DEFERRED SUBMITTALS

I. NONE

### CODES

THESE DRAWINGS HAVE BEEN PREPARED USING: THE 2016 CALIFORNIA BUILDING CODE, CALIFORNIA FIRE CODE, CALIFORNIA ELECTRICAL CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA ENERGY CODE, AND CALIFORNIA GREEN BUILDING STANDARDS CODE(S). ALL WORK SHALL COMPLY WITH CURRENT ACCESSIBILITY REQUIREMENTS.

### VICINITY MAP



SACRAMENTO, CALIFORNIA

NORTH



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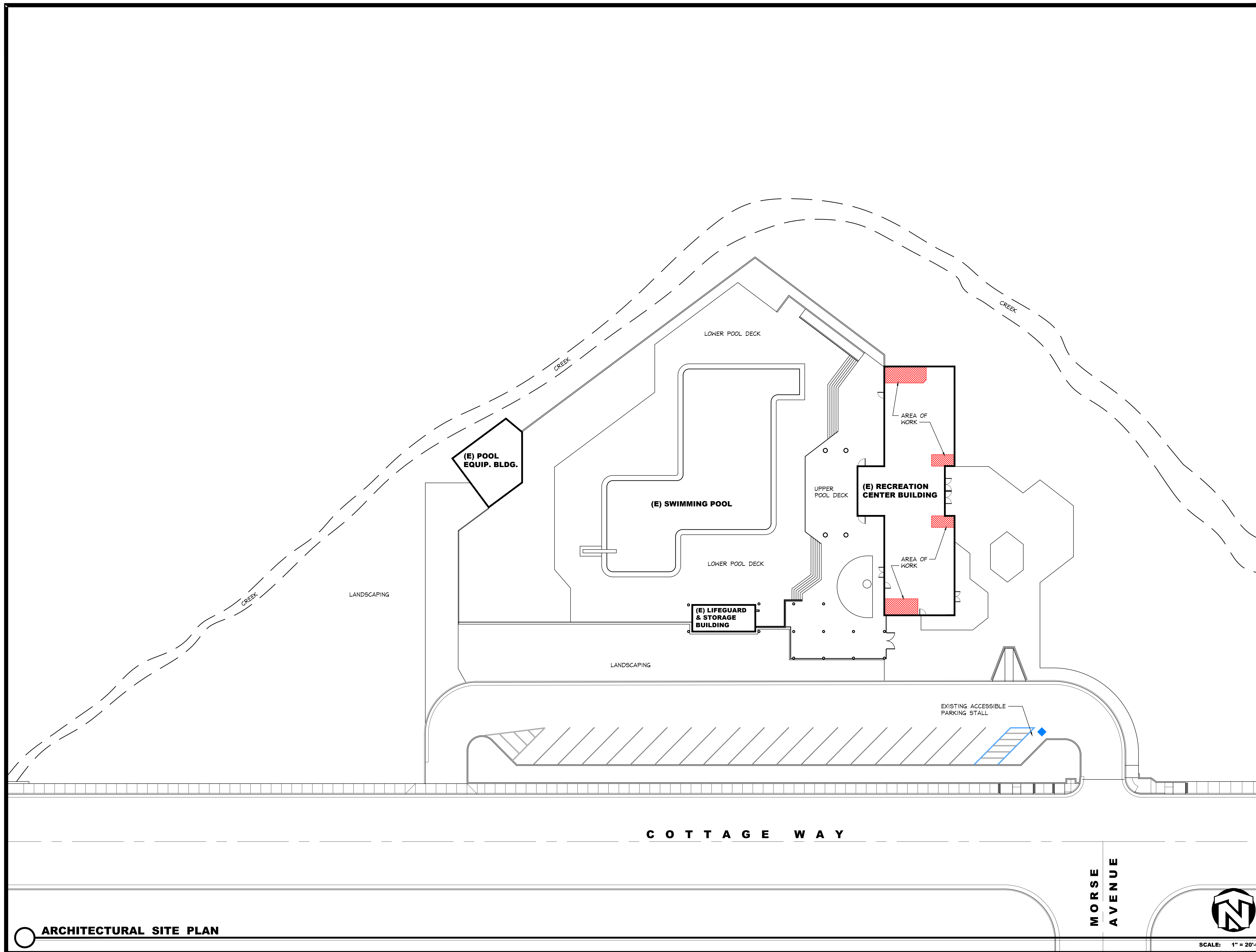
PROJECT NUMBER: **18-045** | PROJECT DATE: **2-21-2019**

SHEET CONTENTS:

**SITE PLAN**

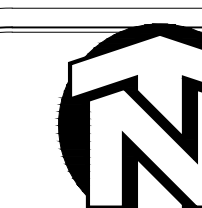
SHEET NUMBER:

**A101**



C O T T A G E W A Y

MORSE  
AVENUE



SCALE: 1" = 20'-0"

ARCHITECTURAL SITE PLAN



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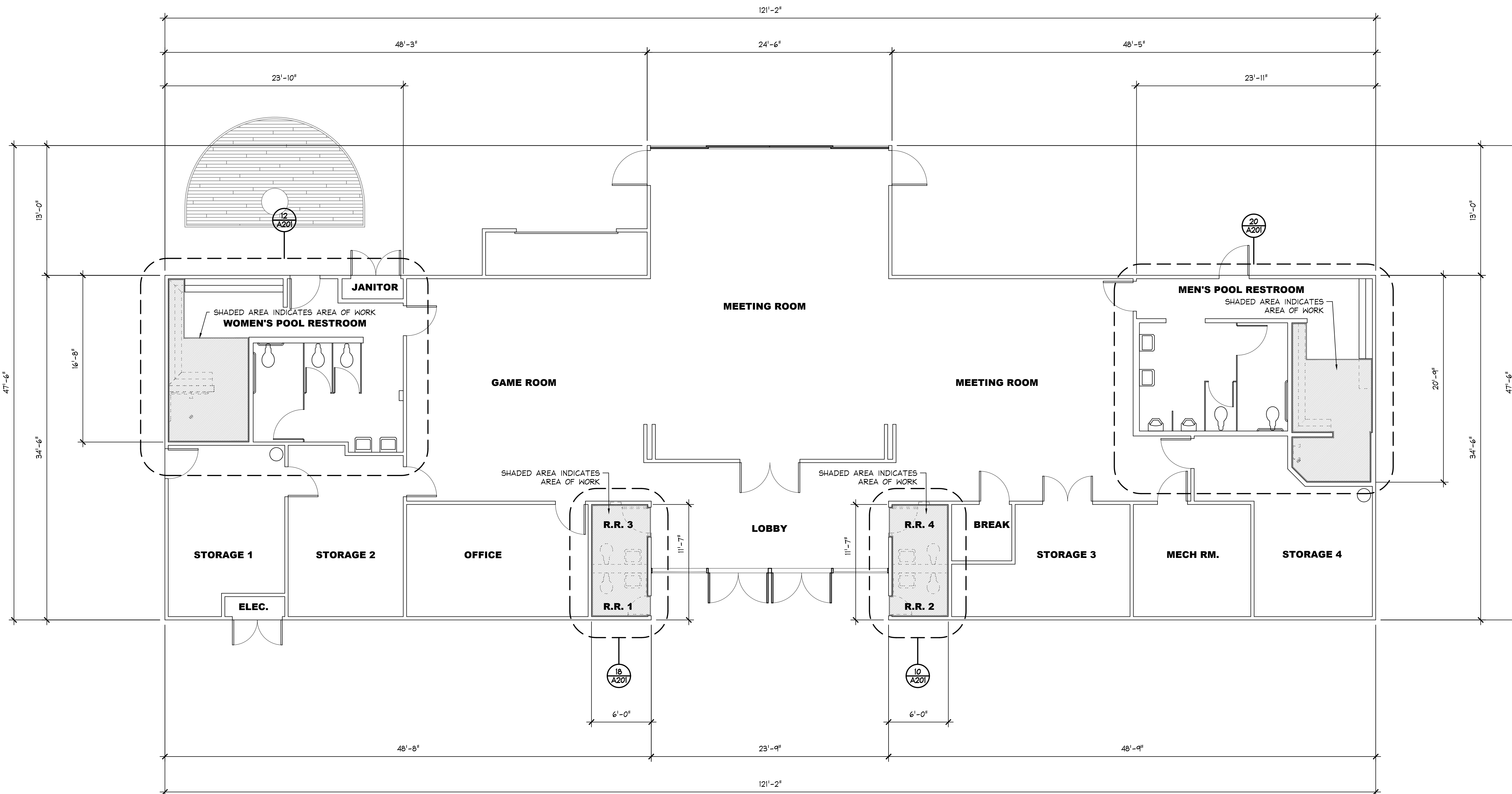
PROJECT NUMBER: **18-045** PROJECT DATE: **2-21-2019**

SHEET CONTENTS:

**OVERALL EXISTING  
FLOOR PLAN**

SHEET NUMBER:

**A200**

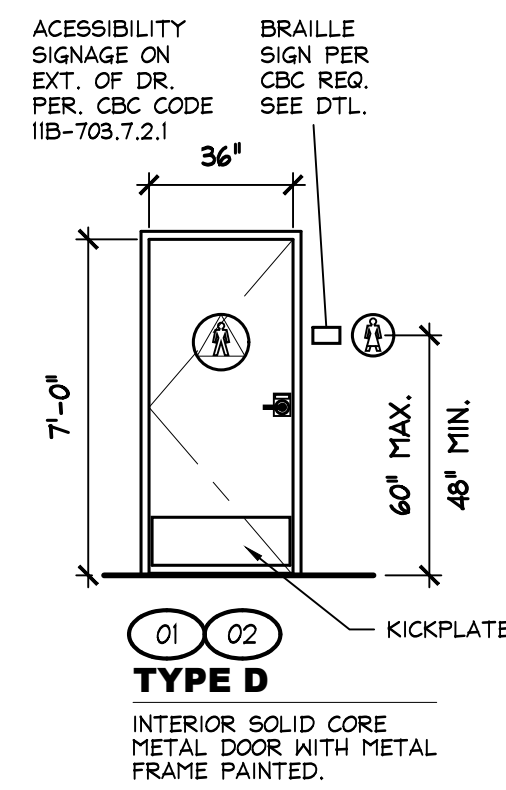


**20** OVERALL EXISTING FLOOR PLAN



SCALE: 3/16" = 1'-0"

**DOOR TYPES**



**DOOR SCHEDULE**

NO.	SIZE	FIRE	TYPE	HARDWARE	REMARKS
01	3'-0"x7'-0"	-	D	HW-01	SEE SIGN NOTE BELOW
02	3'-0"x7'-0"	-	D	HW-01	SEE SIGN NOTE BELOW
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

**DOOR NOTES**

1. PAINT DOORS AND FRAME TO MATCH EXISTING.
2. PROVIDE ALL NECESSARY ACCESSIBILITY SIGNAGE.
3. PROVIDE ALL NECESSARY HARDWARE, AND MISC. PARTS FOR A COMPLETE ASSEMBLY / WORKING SYSTEM (TYP.)
4. MAXIMUM DOOR OPENING EFFORTS: 5 LBS AT EXTERIOR AND INTERIOR DOORS; 15 LBS AT FIRE DOORS.
5. DOOR THRESHOLDS TO MEET CBC SEC.11B-404.2.5
6. DOORS TO MEET CBC SEC.11B-404.2.7, 11B-404.2.8 & 11B-404.2.9

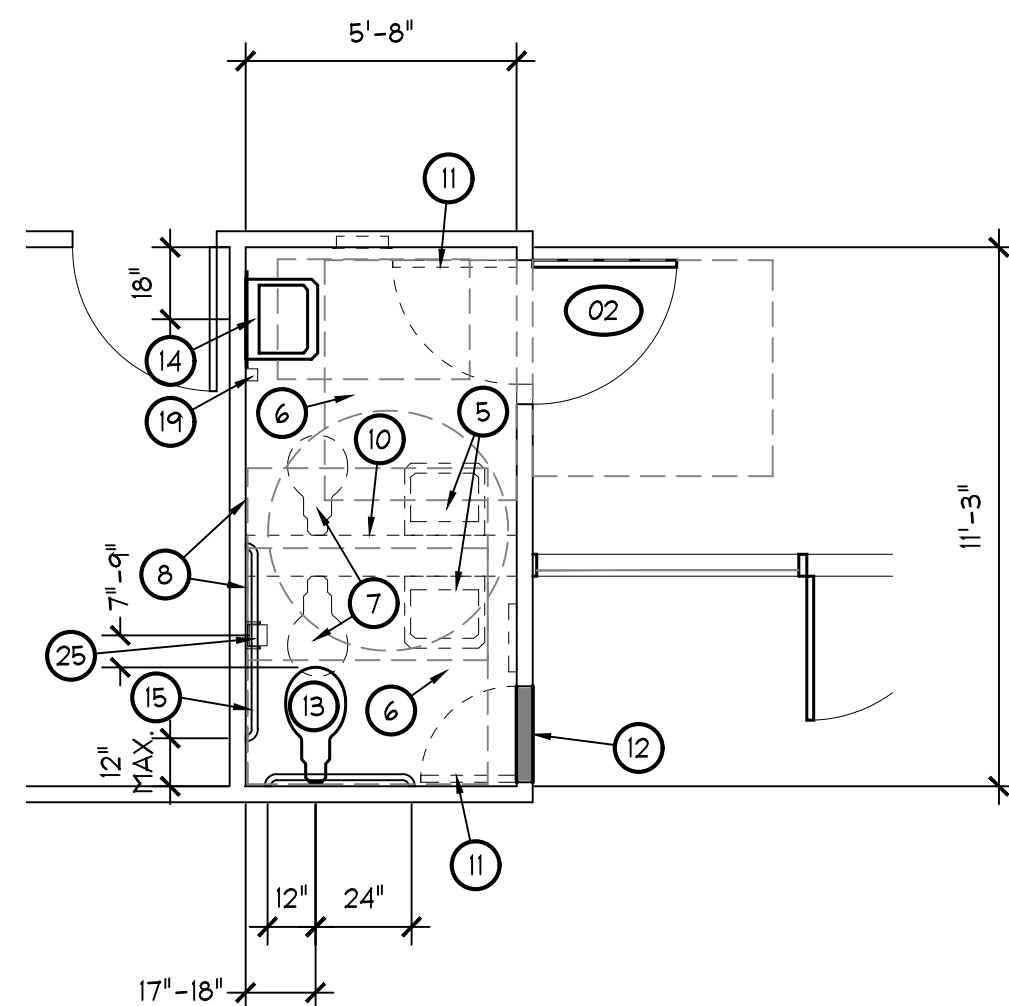
**DOOR HARDWARE**

GROUP	DESCRIPTION
DOORS	
HW-01	3 HINGES FBB 199-4.5x4.5x32D X NRP
	1 KICK PLATE KP40 10"
	1 DOOR CLOSER 8916AF OR 8916SPAxB
	1 DOOR INDICATOR LOCK-IN USE- 26D SATIN CHROME BAY RIDGE COLLECTION- BY WWW.INDICATORLOCK.COM
	1 THRESHOLD- PEMKO 253
	ACCESSIBLE SIGNAGE-SEE DOOR TYPE D

CONTINUOUS HINGES: STANLEY PRODUCTS  
 LOCKS: SCHLAGE AND ADAMS RITE  
 CLOSERS AND OVERHEAD STOP AND HOLDERS: DORMA  
 FLUSH BOLTS AND STOPS: DOOR CONTROLS INT.  
 PUSH/PULLS AND KICKPLATES: BURNS MANUFACTURING  
 THRESHOLDS AND SEALS: REESE  
 ADAMS RITE, SOUTH WEST ALUMINUM & LCN CLOSERS TO BE PROVIDED BY STOREFRONT SUPPLIER

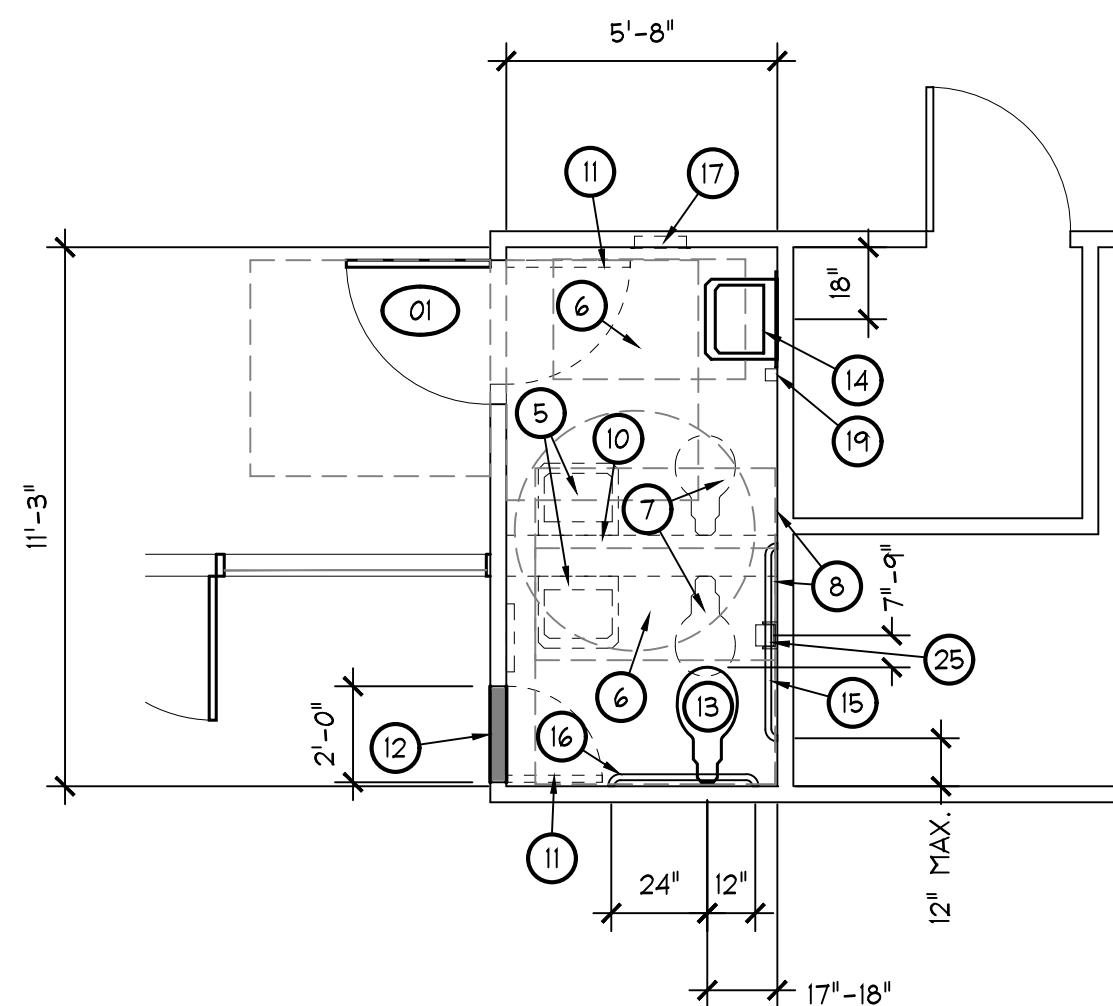
**KEY NOTES**

1. EXISTING BENCH SEAT TO BE DEMOLISHED
2. EXISTING BENCH SEAT TO REMAIN
3. EXISTING SHOWER HEAD TO BE DEMOLISHED
4. EXISTING TILE FLOOR TO BE DEMOLISHED IN THIS AREA
5. EXISTING LAVATORY; MIRROR, AND SOAP DISP. TO BE REMOVED
6. EXISTING VINYL FLOORING TO BE REMOVED
7. EXISTING WATER CLOSET TO BE REMOVED
8. EXISTING F.R.P. WALL COVERING TO BE REMOVED
9. EXISTING GRAB BARS TO BE REMOVED
10. EXISTING WALL TO BE DEMOLISHED
11. EXISTING DOORS AND FRAMES TO BE REMOVED
12. NEW 2x FRAMED IN-FILL WALL; R-13 BATT INSUL; 1/2" PLYWD. SHTG. AT EXTERIOR W/ 2 LAYERS GRADE 'D' BUILDING PAPER OVER; PATCH AND REPAIR STUCCO AT EXTERIOR WALL TO MATCH EXISTING; PAINT WITH 1 COAT PRIMER AND 2 COATS LATEX ENAMEL
13. NEW TOILET, SEE MECHANICAL PLANS
14. NEW LAVATORY SINK, SEE MECHANICAL PLANS
15. NEW 48" GRAB BAR
16. NEW 36" GRAB BAR
17. NEW RECESSED PAPER TOWEL DISP. AND RECEPTICLE
18. NEW ACCESSIBLE SHOWER, SEE DETAIL A0.0
19. NEW HAND SOAP DISPENSER
20. NEW BENCH SEAT, SEE DETAIL A0.0
21. NEW SHOWER HEAD AND CONTROLS
22. NEW FLOOR DRAIN
23. NEW SLOT FLOOR DRAIN, SEE MECHANICAL DRAWINGS
24. EXISTING WATER HEATER
25. NEW TOILET PAPER DISPENSER
26. REPLACE EXISTING LAVATORY
27. REPLACE EXISTING WATER CLOSET
28. REPLACE EXISTING URINAL



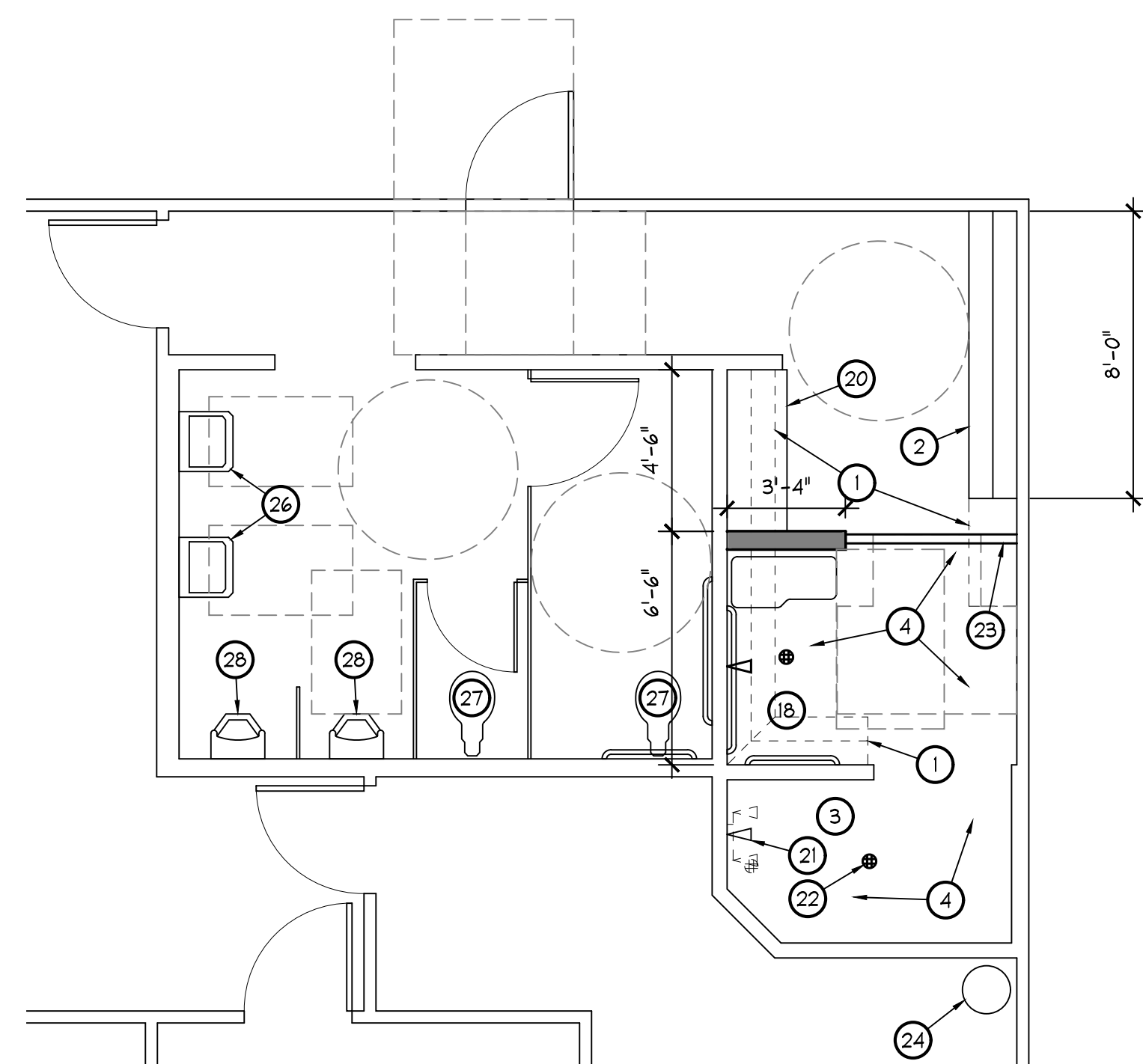
**18 ENLARGED MEN'S POOL RESTROOM**

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



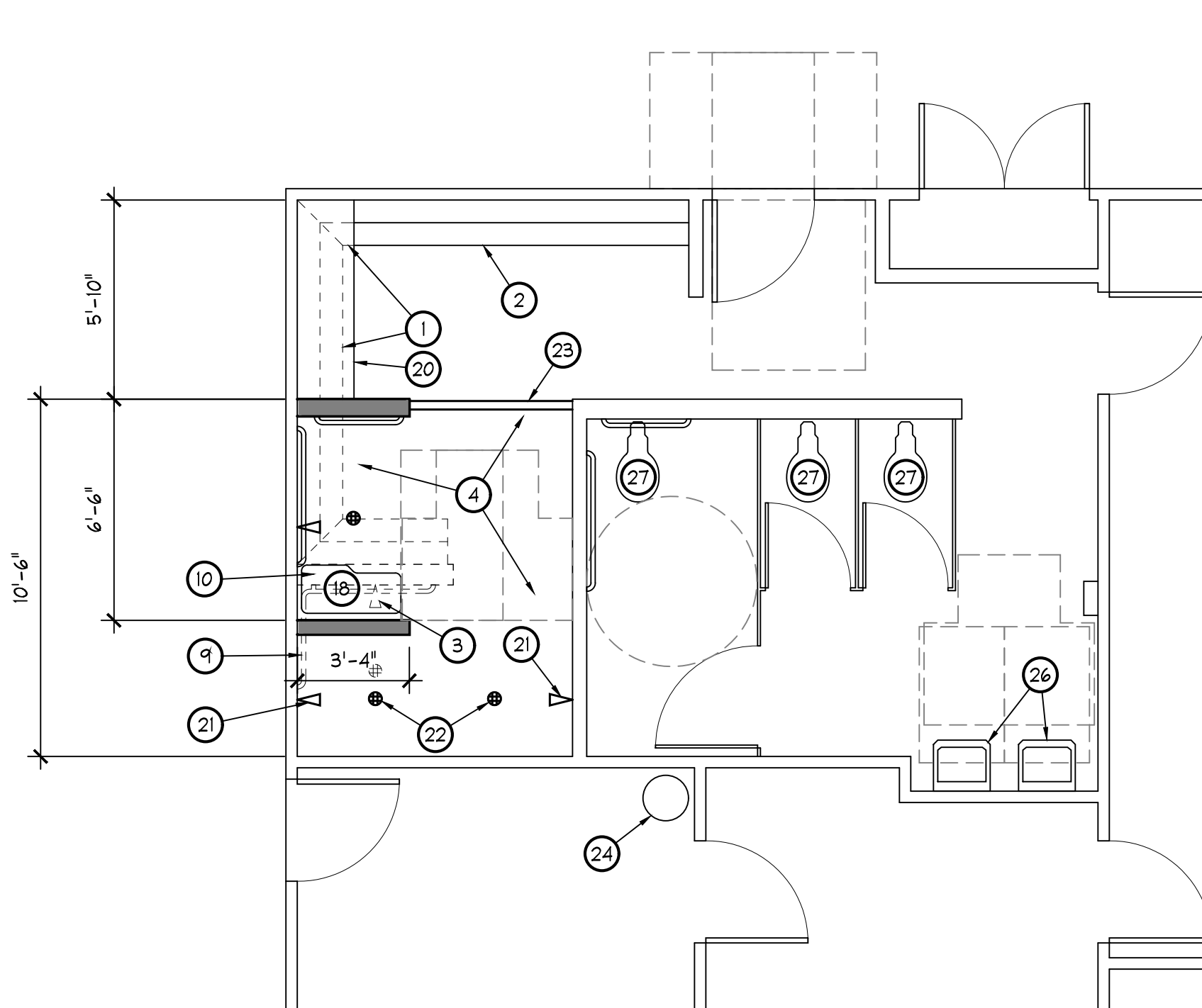
**10 ENLARGED MEN'S POOL RESTROOM**

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



**20 ENLARGED MEN'S POOL RESTROOM**

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



**12 ENLARGED MEN'S POOL RESTROOM**

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

**LEGEND**

- DETAIL TAG
- KEY NOTES
- INTERIOR ELEVATIONS, SEE SHEET A301
- DOOR SYMBOL
- EXISTING WOOD FRAMED WALL
- NEW 2x WOOD FRAMED WALL
- WALL TO BE DEMOLISHED
- EXISTING EQUIPMENT TO BE DEMOLISHED
- ACCESSIBILITY CLEARANCE AREAS



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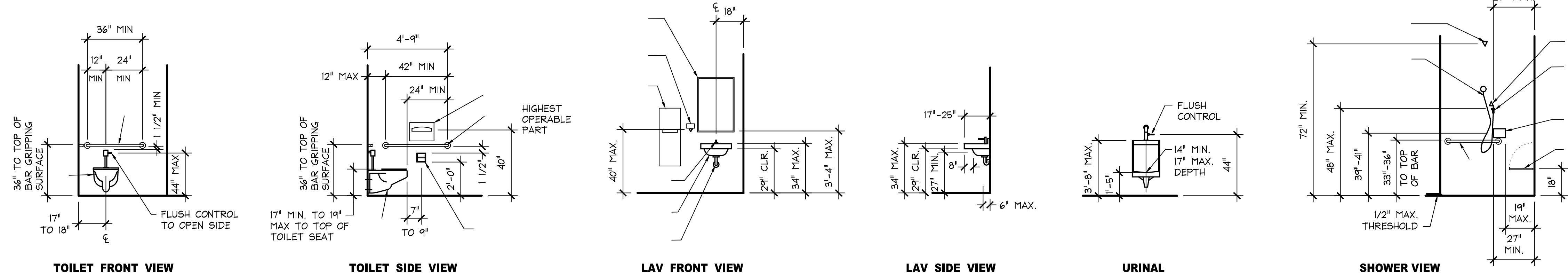
PROJECT NUMBER: **18-045** PROJECT DATE: **2-21-2019**

SHEET CONTENTS:

**ENLARGED FLOOR PLANS,  
 DOOR SCHEDULE,  
 DOOR HARDWARE,  
 AND DOOR NOTES**

SHEET NUMBER:

**A201**



**17 TYPICAL ACCESSIBLE FIXTURE LOCATIONS**

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

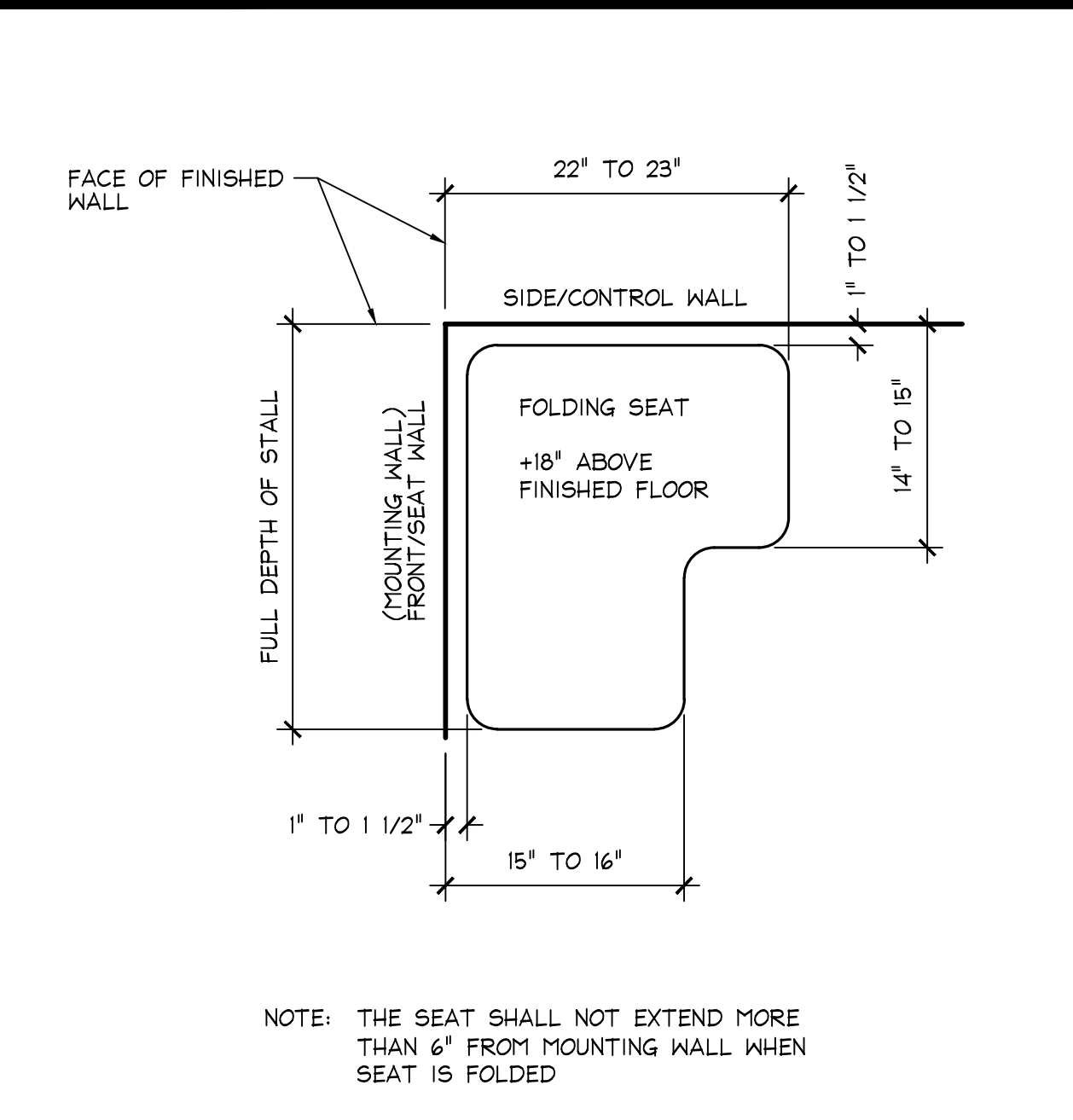
**GENERAL NOTES**

WATER CONTROLS SHALL BE OF A SINGLE-LEVER DESIGN OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE THE CONTROL SHALL BE NO GREATER THAN 5 LBS.

THE HIGHEST OPERABLE PARTS OF HAND DRYER, WASTE RECEPTACLES, DISPENSERS AND CONTROLS SHALL BE LOCATED WITHIN 40" FROM THE FINISHED FLOOR.

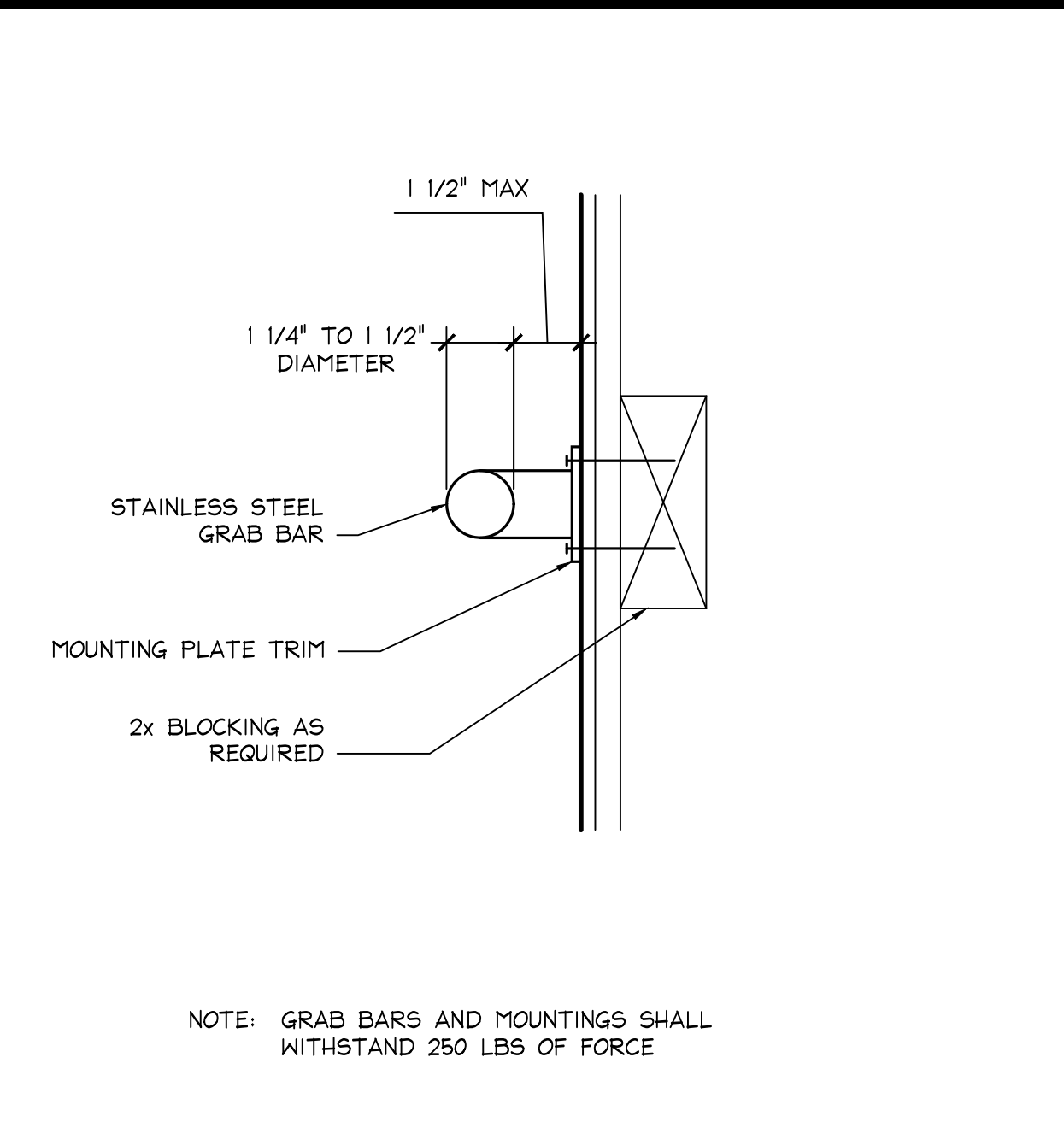
PROVIDE BACKING BLOCK FOR ALL BATHROOM ACCESSORIES - SEE 6/A4-2 FOR DETAIL.

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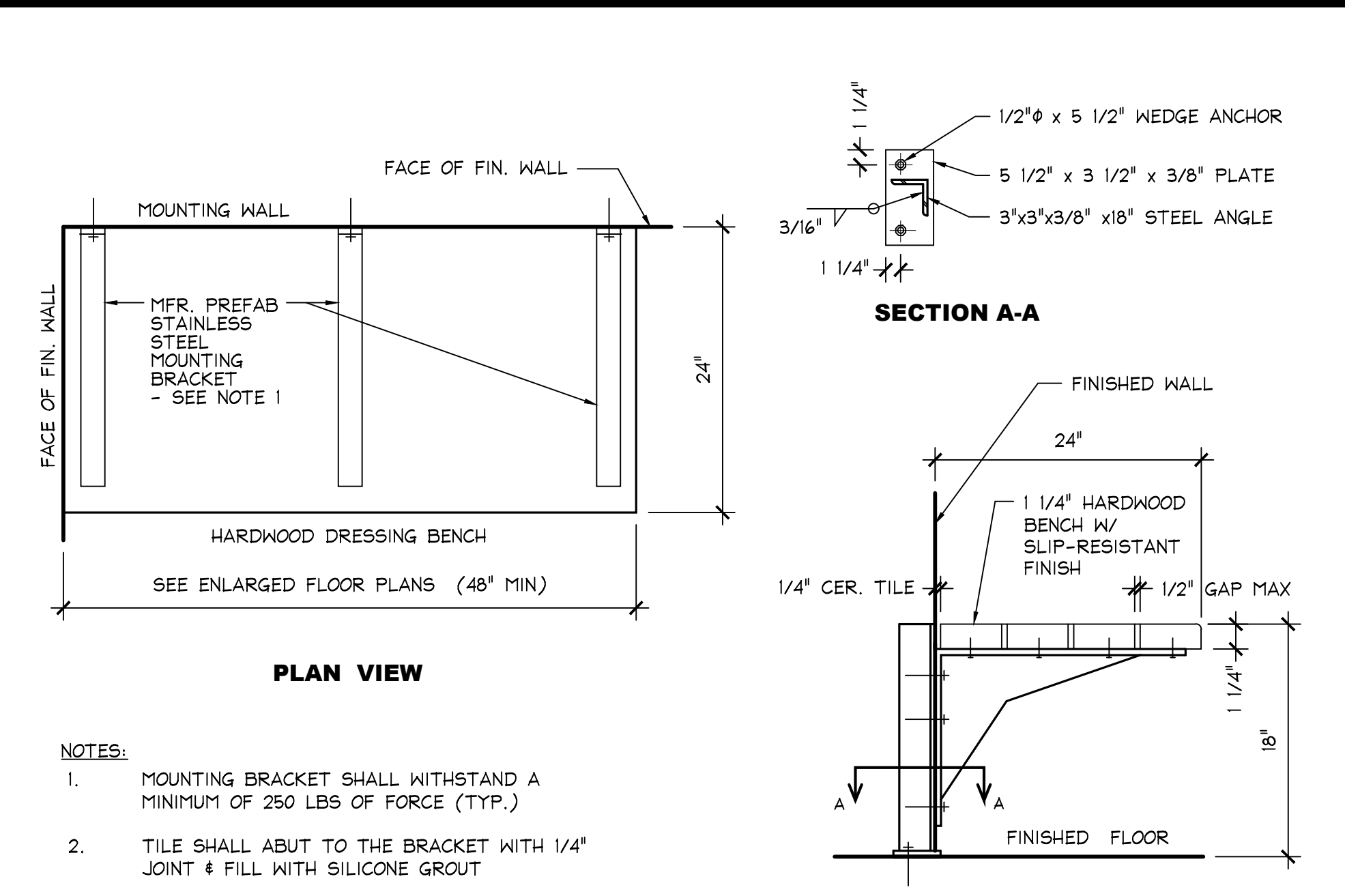
**18 FOLDING SHOWER SEAT**

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



**14 GRAB BAR MOUNTING**

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



**10 ACCESSIBLE BENCH SEAT**

SCALE: NOT TO SCALE

**KEY NOTES**

- CERAMIC TILE
- NOT USED
- NOT USED
- WALL MOUNTED ACCESSIBLE WATER CLOSET
- WALL MOUNTED LAVATORY SINK
- FOLDING SHOWER BENCH - SEE DETAIL
- URINAL WITH ELECT. AUTOMATIC FLUSHING CONTROL
- FAUCET WITH ELECT. AUTOMATIC CONTROL
- SURFACE MOUNTED TOILET PAPER HOLDER,
- 1 1/2" x 36" STAINLESS STEEL GRAB BAR - TYPICAL (UNO), MOUNTING DETAIL - SEE
- NOT USED
- 24" x 36" MIRROR WITH SHELF
- SOAP DISPENSER
- 24" DEEP DRESSING BENCH - SEE
- SEMI-RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE - SEE NOTE #2
- RECESSED SEAT COVER DISPENSER
- FLOOR DRAIN - SEE DETAIL
- FIX SHOWER HEAD
- HAND-HELD SHOWER SPRAYER
- FLEXIBLE SPRAYER HOSE - 59" MIN. LONG
- SINGLE LEVER SHOWER CONTROLS - SEE NOTE #1
- OPERABLE PART OF SHOWER SPRAYER UNIT
- ELEC. WATER HEATER
- 36" STAINLESS STEEL SHELVES
- 24" MOP HOLDERS
- 32" UTILITY SHELF W/ MOP HOLDERS & HOOKS
- FLOOR MOUNTED MOP SINK
- COAT OR ROBE HOOK
- TWO SEISMIC BRACING PER WATER HEATER
- DIVERTER AND VALVE CONTROLS - SEE DETAIL
- TOWEL BAR
- INSULATE TRAP & HOT AND COLD WATER LINES
- 1 1/2" x 42" STAINLESS STEEL GRAB BAR - TYPICAL (UNO), MOUNTING DETAIL - SEE

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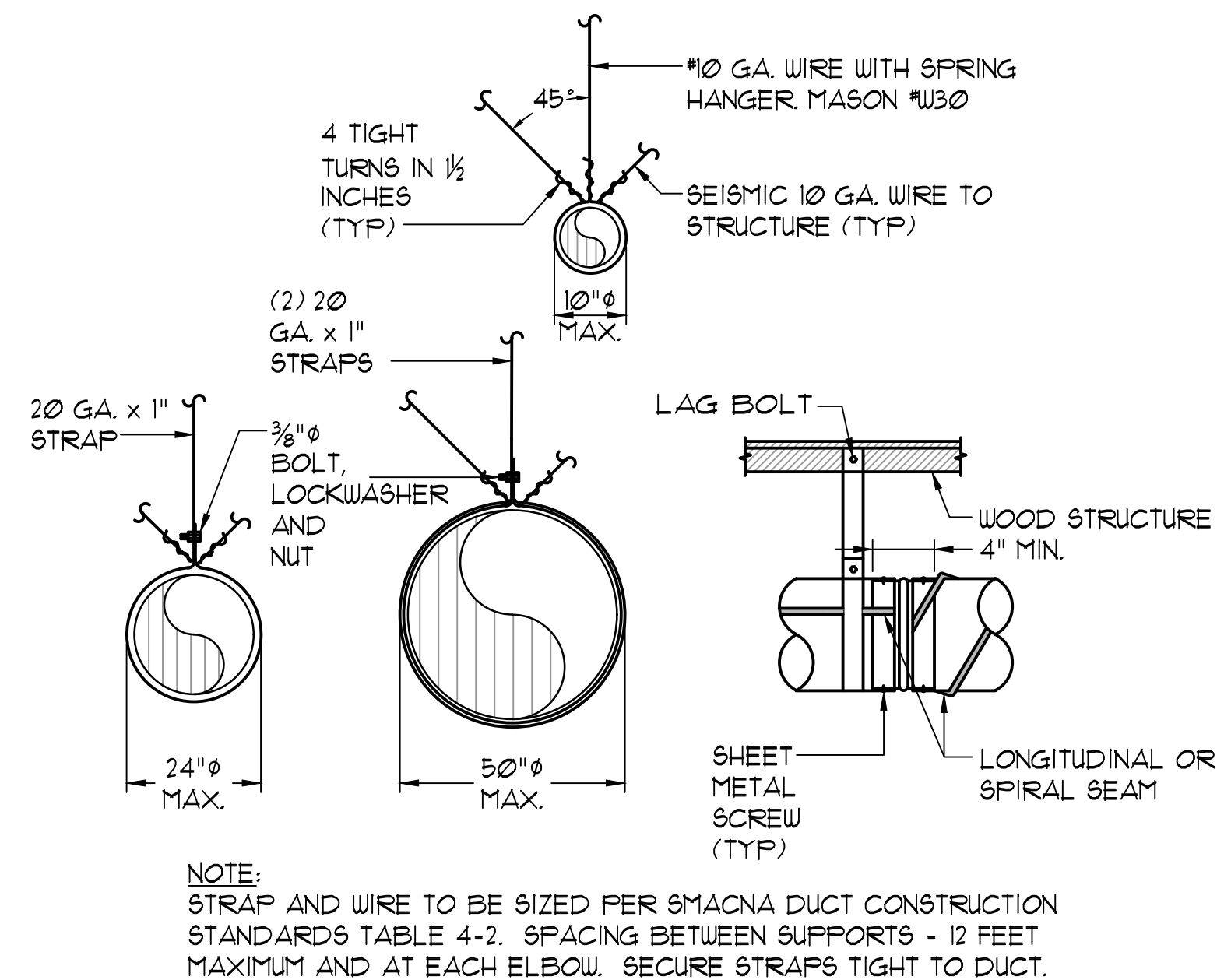
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SHEET CONTENTS:

**ARCHITECTURAL DETAILS**

SHEET NUMBER:

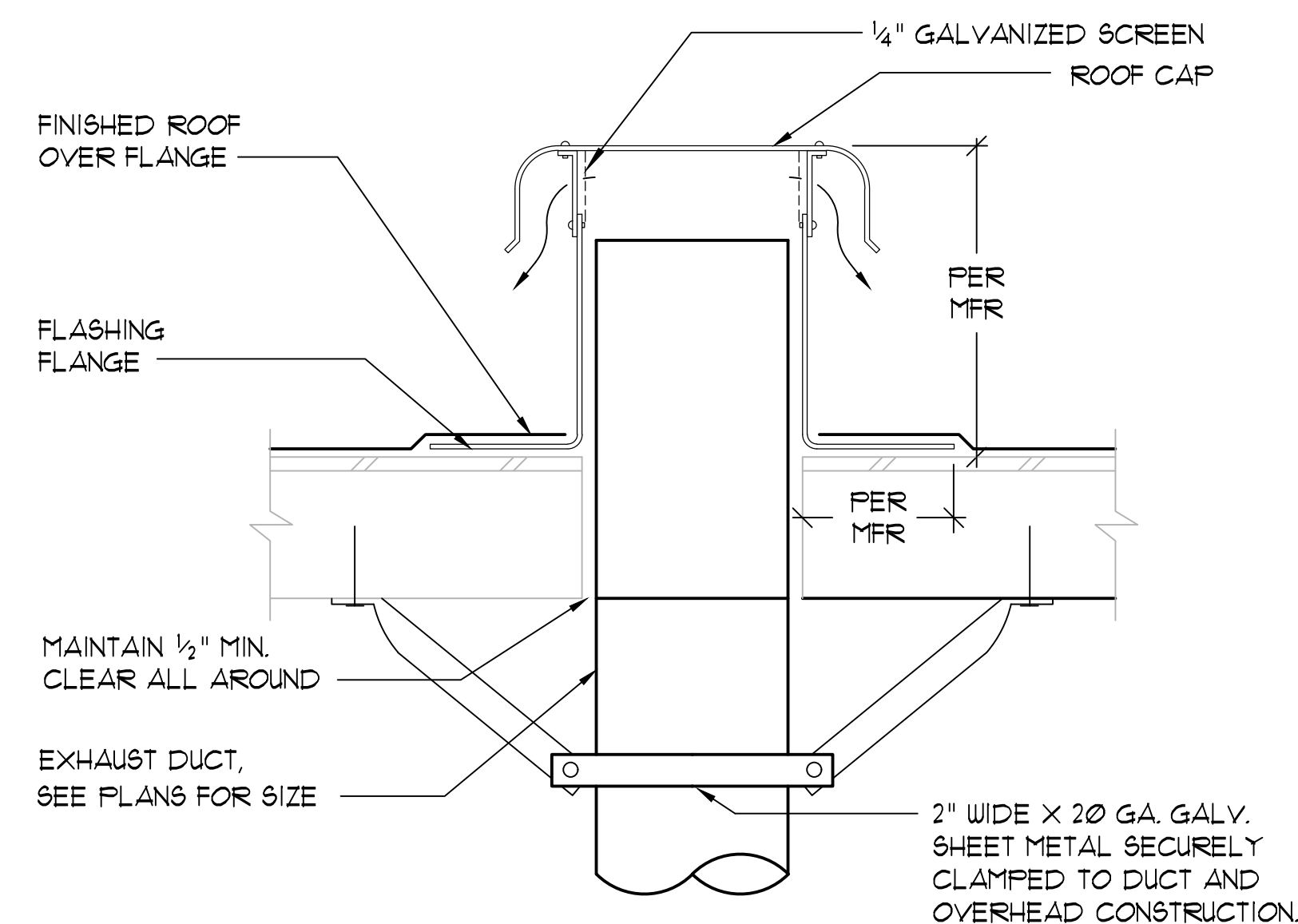
**A801**



### DUCT SUPPORT DETAILS

SCALE: NONE

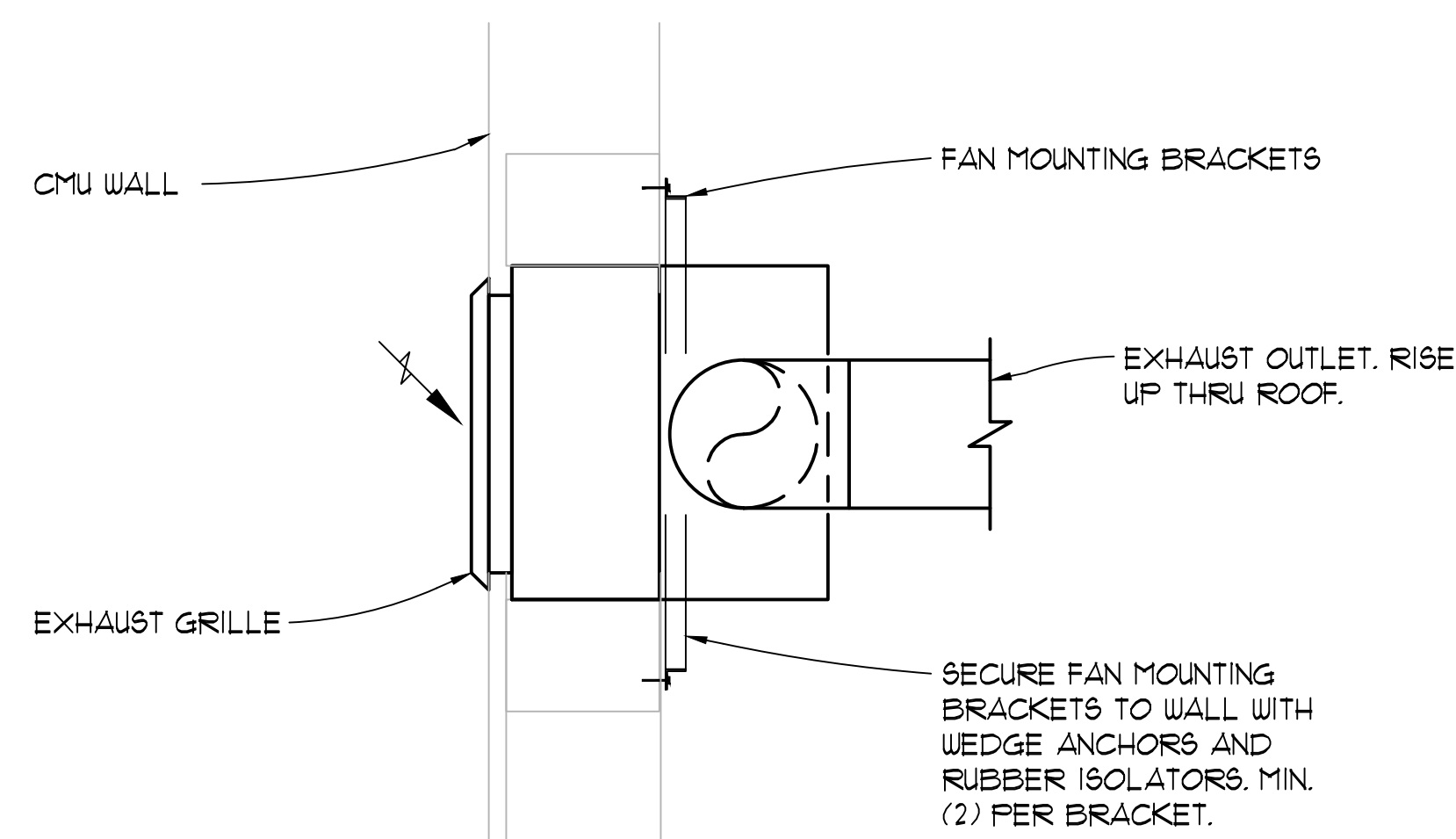
3  
M1.0



### ROOFCAP DETAIL

SCALE: NONE

2  
M1.0



### WALL EXHAUST FAN MOUNTING DETAIL

SCALE: NONE

1  
M1.0

### GENERAL MECHANICAL NOTES

- ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND SHALL BE EQUAL IN QUALITY, TYPE, CAPACITY EFFICIENCY AND ACCESSORIES TO THE EQUIPMENT NOTED ON THE DRAWINGS. ADJUSTMENTS TO CONSTRUCTION AND ACCESSORIES ON SUBSTITUTED EQUIPMENT MAY BE REQUIRED TO ACHIEVE THIS EQUALITY, AND SHALL BE INCLUDED AT NO EXTRA COST TO THE OWNER. MAKE ANY CHANGES IN DUCTWORK, PIPING, FRAMING, ETC., AS REQUIRED TO ACCOMMODATE SUBSTITUTED EQUIPMENT.
- INSTALL ALL EQUIPMENT AND MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES. APPLICABLE CODES SHALL INCLUDE, BUT NOT BE LIMITED TO THE 2016 CALIFORNIA MECHANICAL CODE, 2016 CALIFORNIA CODE OF REGULATIONS (CCR), 2016 CALIFORNIA FIRE REGULATIONS, 2016 CALIFORNIA GREEN BUILDING STANDARDS AND 2016 CALIFORNIA TITLE 24 ENERGY EFFICIENCY STANDARDS. WHERE HEAVIER GAGES OF MATERIAL, LARGER SIZES OR MORE STRINGENT REQUIREMENTS THAN THE CODES ARE REQUIRED BY THE CONTRACT DOCUMENTS, SUCH INCREASED REQUIREMENTS SHALL APPLY.
- FABRICATE AND INSTALL ALL DUCTWORK IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA GUIDELINES FOR DUCT CONSTRUCTION AND THE 2016 CALIFORNIA MECHANICAL CODE. ALL DUCT JOINTS INCLUDING MECHANICAL FLANGED JOINTS SHALL BE SEALED WITH SILVER TAPE, OR ARABOL AND CANVAS. SEAL THE JOINTS OF ALL DUCTS EXPOSED TO THE WEATHER WITH ARABOL AND CANVAS. PROVIDE ALL BRANCH DUCTS WITH VOLUME DAMPERS WITH LOCKING QUADRANTS LOCATED AT LEAST FIVE FEET (5') FROM THE GRILLE OR DIFFUSER SERVED.
- SUPPORTS FOR ALL PIPING AND DUCTWORK SHALL BE IN ACCORDANCE WITH SMACNA "GUIDELINES FOR SEISMIC RESTRAINT OF MECHANICAL SYSTEMS". CONTRACTOR SHALL PROVIDE CALCULATIONS FOR ISOLATORS AND MOUNTING ACCEPTABLE TO THE REVIEWING AUTHORITY WHEN REQUIRED BY SAME.
- ALL RECTANGULAR OR ROUND RIGID DUCTS SHALL BE OF SMACNA GAGE GALVANIZED STEEL OR ALUMINUM UNLESS OTHERWISE NOTED ON THE DRAWINGS. PROVIDE FLAT BEAM CONSTRUCTION FOR ANY DUCTS EXPOSED IN OCCUPIED SPACE. NOTE: ALUMA-FLEX IS NOT ACCEPTABLE IN LIEU OF ROUND RIGID DUCTWORK.
- FLEXIBLE DUCTS WHERE PERMITTED SHALL BE GENFLEX II, THERMAFLEX G-KM, CASCO OR EQUAL FACTORY INSULATED. FLEXIBLE DUCT SHALL NOT EXCEED 5'-0" IN LENGTH (DOWNSTREAM OF RIGID ELBOWS), PER 2016 CMC, 603.4.1. INSULATE ALL SUPPLY AND RETURN DUCTS WITH 2" THICK 3/4 PCF DENSITY O-C-F OR EQUAL FIBERGLASS DUCT WRAP TYPE IV, WITH FACTORY APPLIED FLAME RETARDANT FOIL REINFORCED KRAFT FACING. LAP ALL JOINT 4" MINIMUM, AND SECURE WITH GALVANIZED STEEL WIRE.
- LINE ALL SUPPLY AND RETURN DUCT DROPS FOR A MINIMUM OF 10' FROM THE UNIT WITH 1" THICK O-C-F AEROFLEX TYPE 200 OR EQUAL ACOUSTIC DUCT LINER. INSTALL WITH 100% COVERAGE ADHESIVE, AND FURTHER APPLY MECHANICAL FIN FASTENERS WHERE DUCT SIDE EXCEEDS 24". DUCT DIMENSIONS ARE NET INTERNAL DIMENSION. SEAL BUTT ENDS OF EXPOSED INSULATION IN THE DUCTS WITH MANUFACTURERS RECOMMENDED SEALANT OR ADHESIVE.
- CONTROLS SHALL COMPLY WITH THE 2016 CALIFORNIA ENERGY CODE. ALL CONTROLS AND CONTROL WIRING NOT SPECIFICALLY SHOWN BUT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM SHALL BE SUPPLIED BY THE CONTRACTOR AND INSTALLED AT NO ADDITIONAL COST TO THE OWNER.
- ALL AIR SYSTEMS SHALL BE BALANCED BY A QUALIFIED MECHANICAL CONTRACTOR USING AABC, SMACNA OR NEBB PROCEDURES. AIR QUANTITIES SHALL BE BALANCED TO NOT MORE THAN 10% ABOVE OR 10% BELOW THE QUANTITIES SHOWN ON THE DRAWINGS. CONTRACTOR SHALL SUBMIT A COMPLETE AIR BALANCE REPORT INDICATING, AS A MINIMUM, THE AIR DELIVERY FOR EACH DIFFUSER, THE FINAL OPERATING DATA FOR THE SYSTEMS AND THE AIR CONDITIONING UNITS.
- SUBMIT FOR APPROVAL (6) COPIES OF COMPLETE SUBMITTAL DATA ON SPECIFIED AND PROPOSED EQUIPMENT AND MATERIALS. SUBMITTALS SHALL INCLUDE EQUIPMENT SIZES, CAPACITY, MOTOR LOCATIONS, PERFORMANCE CURVES AND OTHER PERTINENT DATA. EACH SUBMITTAL SHALL INCLUDE IDENTIFICATION TAGS OR SYMBOLS TO MATCH DWGS. PARTIAL SUBMITTALS OR SUBMITTALS WHICH ARE NOT MARKED WITH EQUIPMENT TAGS OR PERFORMANCE DATA WILL BE REJECTED.
- PROVIDE PERMANENT ENGRAVED PLASTIC NAME PLATED FOR ALL EQUIPMENT INSTALLED, INDICATING THE PLAN DESIGNATION OF THE UNIT (AC-1, REF, ETC.) AND ALSO THE BUILDING AREA SERVED (CLASSROOMS 2-4, CONFERENCE ROOM, ETC.). STAMPED METAL TAPES APPLIED WITH SELF-CONTAINED ADHESIVE WILL NOT BE ACCEPTABLE.
- CONTRACTOR SHALL VERIFY ALL WORK CONDITIONS PRIOR TO COMMENCING WORK, INCLUDING BUT NOT LIMITED TO: DIMENSIONS, EQUIPMENT, STRUCTURAL ELEMENTS AND MATERIALS INDICATED AS EXISTING, AS WELL AS THE COORDINATED INSTALLATION OF ALL NEW WORK MATERIALS, EQUIPMENT, ETC. COORDINATE THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT WITH THE STRUCTURAL ENGINEER.
- CONTRACTOR SHALL FIELD COORDINATE AND INSTALL PACKAGED ROOFTOP EQUIPMENT TO MAINTAIN A MINIMUM OF 10'-0" CLEARANCE FROM OUTSIDE AIR INTAKE TO ALL EXHAUST OUTLETS AND (VTR) VENT THRU ROOF, TYPICAL.
- SUBMITTAL NOTE: MECHANICAL SYSTEMS DESIGN REFLECT EQUIPMENT SPECIFIED. WHEN EQUIPMENT SUBSTITUTIONS OCCUR AND DUCT DESIGN, DUCT DROPS, GAS INLET AND ELECTRICAL SERVICE VARIES FROM THAT SPECIFIED, THEN IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR FOR ALL ADDITIONAL ENGINEERING FEES AND OTHER DISCIPLINE CHANGE ORDERS (STRUCTURAL, ELECTRICAL, ARCHITECTURAL, PLUMBING, ETC.) WHEN SUBSTITUTED EQUIPMENT IS USED.

### EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION
	WALL EXHAUST FAN COOK MODEL NO.: GC126 OR EQUAL AIR FLOW SETTING: 65 CFM AT 250 S.P., 150 RPM ELECTRICAL SERVICE: 120 V/1 PH/60 HZ, 50 WATTS CONTROL WITH ROOM LIGHTS (SEPARATE SWITCH) WEIGHT: 15 LBS. FURNISH: BACK DRAFT DAMPER, INTERCONNECTING DUCT, INHERENT THERMAL MOTOR PROTECTION, TIME-DELAY SWITCH, ROOF/WALL CAP, (ON-OFF SWITCH) SPEED CONTROLLER MOUNTED ON UNIT CASING

### MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	DETAIL NUMBER
	SHEET ON WHICH DETAIL IS FOUND
	DUCT RISE
	DUCT DROP
	OUTSIDE AIR
	SUPPLY AIR
	RETURN AIR
	BALANCE DAMPER
	DIAMETER OR PHASE
	FLEXIBLE DUCT
	DUCT - DIMENSION SHOWN X WIDTH OR HEIGHT NOT SHOWN
	ACOUSTICAL LINED DUCTING
	DUCT TRANSITION
	SUPPLY AIR DIFFUSER, RETURN OR EXHAUST AIR GRILLE
	THERMOSTAT
	RELOCATE
	MOTORIZED DAMPER
	EXISTING PIPING OR FIXTURE TO BE REMOVED OR ABANDONED IN PLACE
	POINT OF CONNECTION
	ABOVE CEILING
	AIR EXTRACTOR
	ABOVE FINISHED FLOOR
	ABOVE FINISHED GRADE
	ACCESS PANEL
	UNDER CUT DOOR
	CONDENSATE DRAIN
	CUBIC FEET OF AIRFLOW PER MINUTE
	CEILING
	EXISTING TO BE FIELD VERIFIED BY CONTRACTOR
	FROM ABOVE, TO ABOVE
	FROM BELOW, TO BELOW
	FLEXIBLE CONNECTION
	FINISHED FLOOR
	FIRE SMOKE DAMPER
	PER FOOT
	NEW
	NOT IN MECHANICAL CONTRACT
	NOT TO SCALE
	OPPOSED BLADE DAMPER
	REFERENCE
	SMOKE DETECTOR
	TYPICAL



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CONTRACTOR:

PROJECT:

Cottage Pool Facility

RESTROOM ACCESSIBILITY ALTERATIONS

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Sacramento, California

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REVISIONS:

PROFESSIONAL SEALS:



PROJECT NUMBER: 18-045 PROJECT DATE: 12-21-2018

SHEET CONTENTS:

MECHANICAL LEGENDS, NOTES, SCHEDULES & DETAILS

SHEET NUMBER:

M1.0



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Date Signed: February 21, 2019

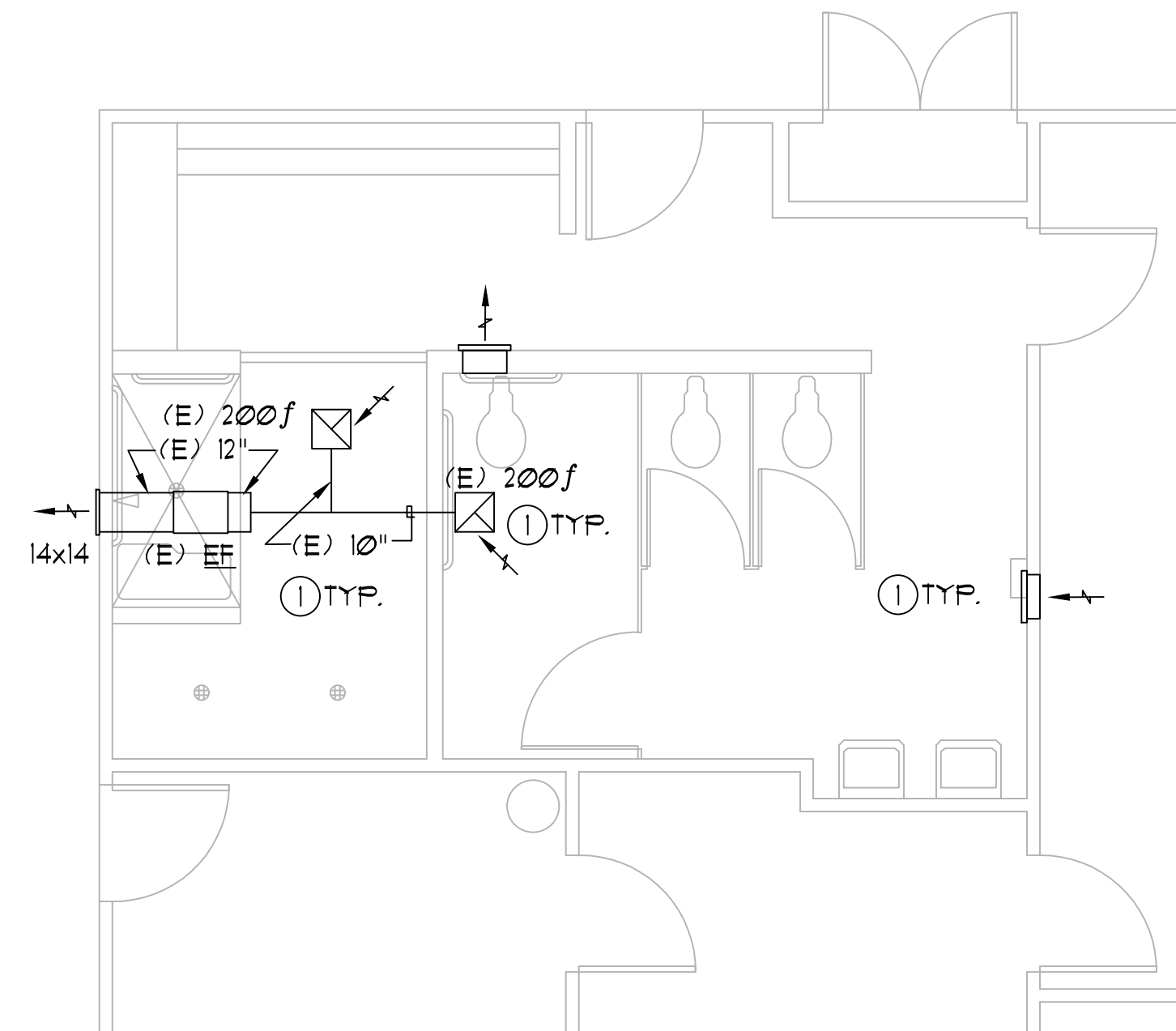
PROJECT NUMBER: 18-045 PROJECT DATE: 12-21-2018

SHEET CONTENTS:

**ENLARGED MECHANICAL FLOOR PLANS**

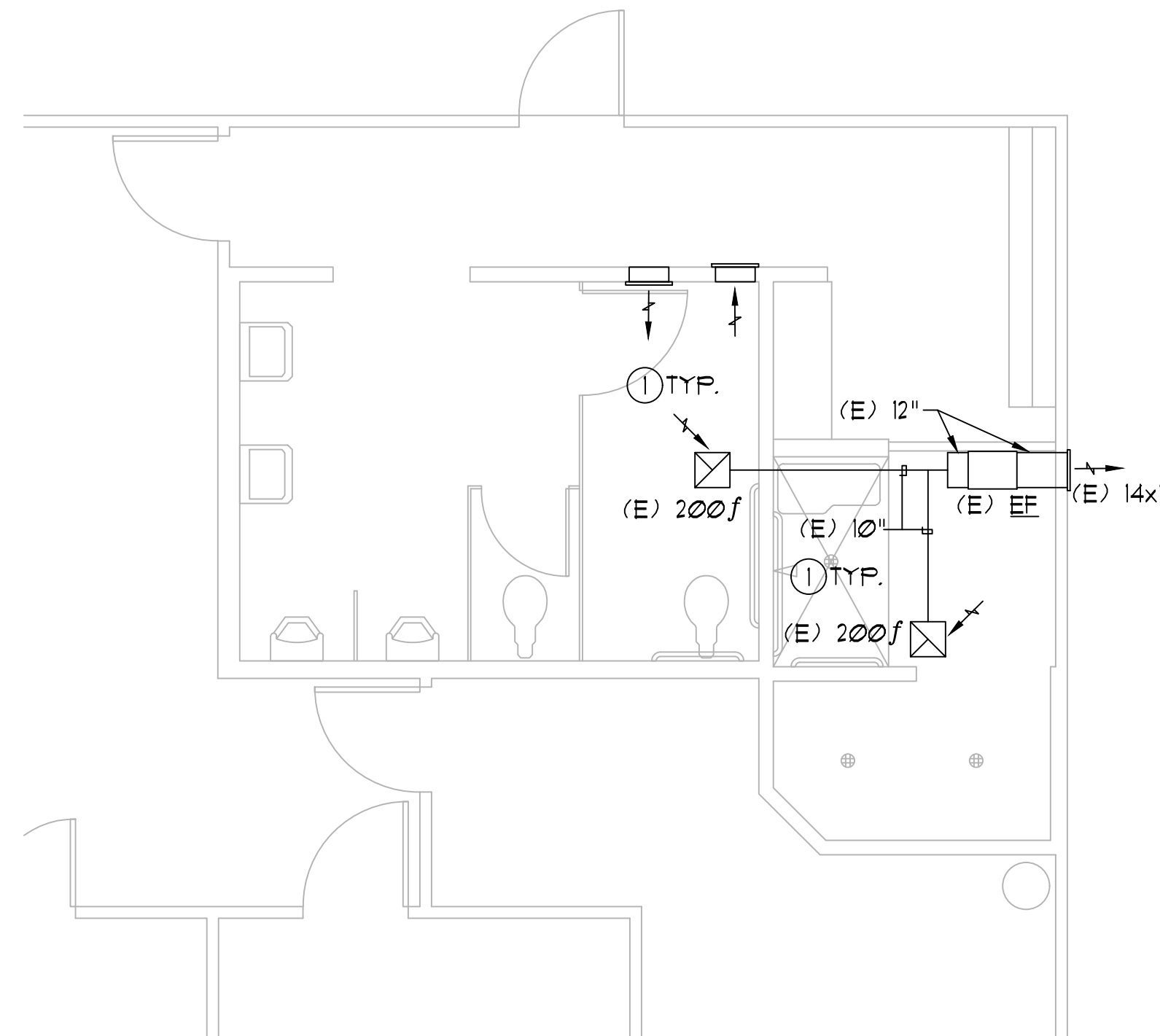
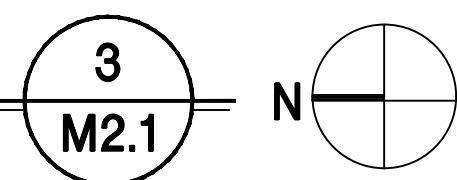
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**M2.1**



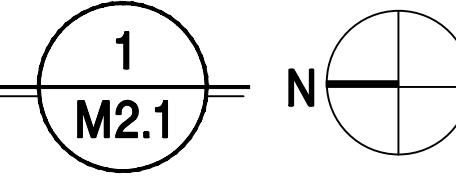
**ENLARGED MECHANICAL WOMEN'S POOL RESTROOM**

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



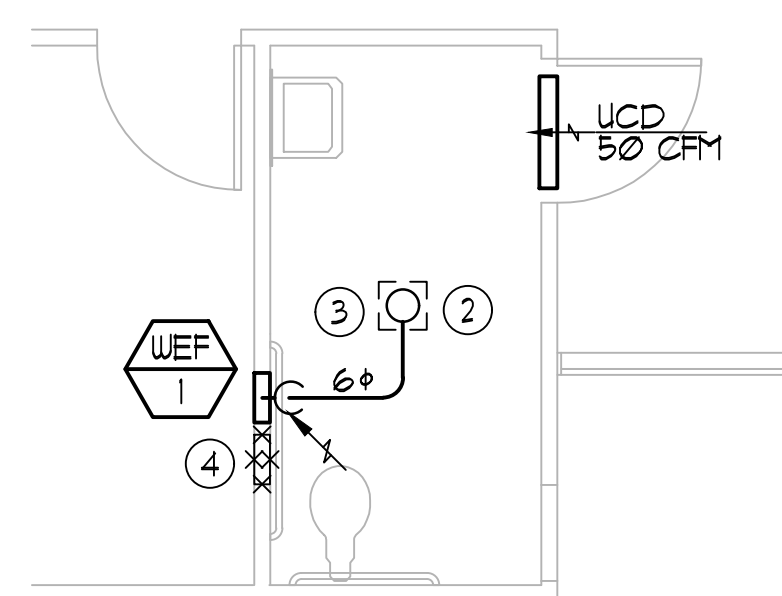
**ENLARGED MECHANICAL MENS'S POOL RESTROOM**

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



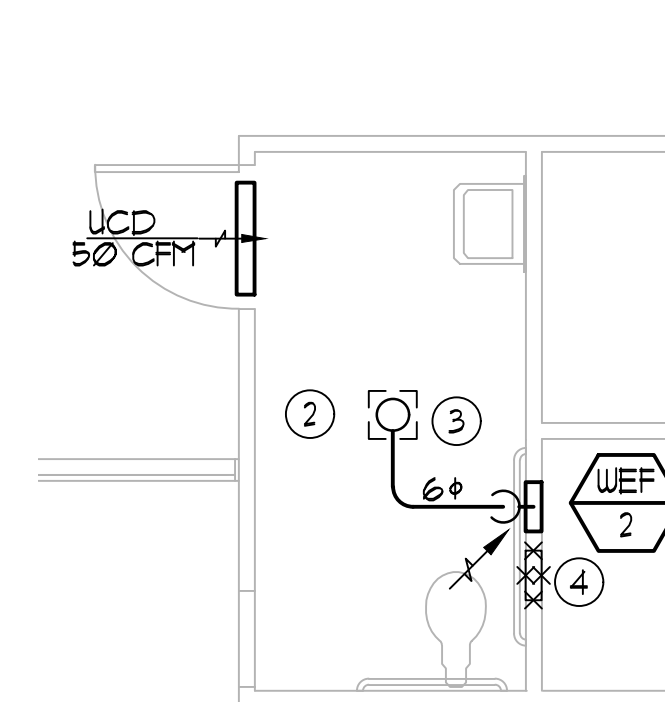
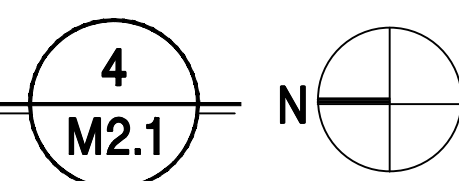
**NUMBERED KEY NOTES:**

- ① EXISTING TO REMAIN.
- ② REMOVE EXISTING WALL EXHAUST FAN AND ASSOCIATED DUCTS & EQUIPMENT.
- ③ PROVIDE NEW WALL EXHAUST FAN, USE EXISTING EXHAUST DUCT PENETRATION THROUGH ROOF, ROUTE TIGHT TO CEILING TO NEW ROOF CAP.
- ④ REMOVE EXISTING WALL GRILLE. CAP AND PATCH TO MATCH EXISTING CONDITIONS.



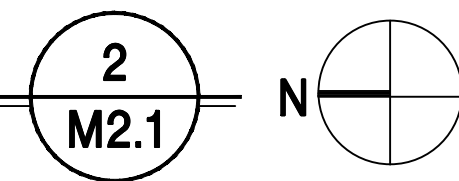
**ENLARGED MECHANICAL RESTROOMS 1**

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



**ENLARGED MECHANICAL RESTROOMS 2**

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



WATER AND WASTE SERVICE CALCULATIONS								
JOB NAME: Cottage Pool		DATE: 02/08/19						
FIXTURE TYPE	NO.	WASTE		COLD WATER		HOT WATER		TOTAL WATER
		FU	TOTAL	FU	TOTAL	FU	TOTAL	
HOSE BIBB (FIRST)	2	0	0	2.5	5	0	0	5
LAVATORY (SINGLE)	6	1	6	0.75	4.5	0.75	4.5	6
FLOOR DRAIN	9	2	18	0	0	0	0	0
SHOWER	6	2	12	1.5	9	1.5	9	12
URINAL, 1/8 GPF	2	2	4	4	8	0	0	8
WATER CLOSET, 1.28 FV	7	4	28	5	35	0	0	35
FUTURE RESTAURANT (SMALL)	0	30	0	30	0	0	0	0
FUTURE RESTAURANT (LARGE)	0	60	0	60	0	0	0	0
TOTAL FU			68.0		61.5		13.5	66.0
EQUIVALENT COLD WATER FLOW RATE (GPM):								57
ADDITIONAL DEMAND LOAD (GPM):								0
PRESSURE AVAILABLE AT MAIN (PSI):								45
PRESSURE BOOSTER PUMP								0
MINIMUM REQUIRED FIXTURE PRESSURE (PSI):								20
ELEVATION RISE (FT):								6
METER LOSS (PSI):								3
BACKFLOW PREVENTER LOSS (PSI):								12
ADDITIONAL LOSSES (PSI):								0
EQUIVALENT PIPE LENGTH FROM METER TO MOST REMOTE FIXTURE (FT):								110
FRICTION LOSS PRESSURE AVAILABLE (PSI):								4.00
MAXIMUM ALLOWABLE FRICTION LOSS (PSI/100 FT):								3.64
WATER FLOW VELOCITY (FPS):								5.88
CALCULATED FRICTION HEAD LOSS (PSI/100 FT):								3.47
MINIMUM REQUIRED "WATER" PIPE SIZE (INCHES):								2
MINIMUM REQUIRED "WASTE" PIPE SIZE (INCHES):								4
(CALCULATIONS PER THE UPC/CPC)								

WATER PIPE SIZING CHART									
PIPE SIZES CALCULATED BASED ON UPC/CPC APPENDIX A									
SIZE: TYPE L COPPER		CW MAX FLOW		CW FIXTURE UNIT VALUES		HW MAX FLOW		HWFU	
NOMINAL DIAMETER	INTERNAL DIAMETER	GPM	FPS	FLUSH TANK	FLUSH VALVE	GPM	FPS	HOT WATER	
3/8"	0.44	1.1	2.3	1	0	1.1	2.3	1	
1/2"	0.545	1.9	2.7	1	0	1.9	2.7	1	
3/4"	0.785	5.1	3.4	6	0	5.1	3.4	6	
1"	1.025	10.2	4.0	13	0	10.2	4.0	13	
1-1/4"	1.265	17.8	4.5	24	0	17.8	4.5	24	
1-1/2"	1.505	28.1	5.1	49	11	27.7	5.0	46	
2"	1.985	58.2	6.0	165	69	48.2	5.0	119	

## PLUMBING SCHEDULE

SYMBOL	DESCRIPTION
WC-1	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL FIXTURES IN THIS SCHEDULE OR THEIR APPROVED EQUIVALENT. REFER TO ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS OF FIXTURES: WATER CLOSET: KOHLER K-4425 "HIGHLINE" FLUSH VALVE TYPE, 1-1/2" TOP SPUD, FLOOR MOUNTED, 10" ROUGH-IN, WHITE VITREOUS CHINA, ELONGATED BOWL, DIRECT-FED SIPHON JET ACTION, 128 GPF, RIM 11-1/2" AFF. UNIT COMPLETE WITH KOHLER K-4610-C OPEN FRONT SEAT LESS COVER, MATCHING BOLT CAPS, SLOAN "ROYAL" #11-128 CHROME PLATED FLUSH VALVE, TRIP LEVER LOCATED ON OPEN SIDE OF FIXTURE. UNIT SHALL CONFORM TO STATE ACCESS REGULATIONS AND TITLE 24 REQUIREMENTS FOR ACCESSIBLE INSTALLATIONS.
WC-2	WATER CLOSET: KOHLER K-4321 "PRIMARY" FLUSH VALVE TYPE, 1-1/2" TOP SPUD, FLOOR MOUNTED, 10" ROUGH-IN, WHITE VITREOUS CHINA, ELONGATED BOWL, DIRECT-FED SIPHON JET ACTION, 16 GPF, RIM 12" AFF. UNIT COMPLETE WITH OPEN FRONT SEAT LESS COVER, MATCHING BOLT CAPS, SLOAN "ROYAL" #11-128 CHROME PLATED FLUSH VALVE, TRIP LEVER LOCATED ON OPEN SIDE OF FIXTURE. UNIT SHALL CONFORM TO STATE ACCESS REGULATIONS AND TITLE 24 REQUIREMENTS FOR ACCESSIBLE INSTALLATIONS.
LAV-1	LAVATORY: KOHLER K-2025 "KINGSTON" WALL HUNG VITREOUS CHINA, FRONT OVERFLOW WITH KOHLER CHROME PLATED FAUCET MODEL K-15593-P SINGLE LEVER, 4" CENTERSET, AERATOR (0.5 GPM FLOW), AND METAL GRID DRAIN ASSEMBLY. INSULATE WATER AND WASTE PIPING. UNIT SHALL CONFORM TO STATE ACCESS REGULATIONS AND TITLE 24 REQUIREMENTS FOR ACCESSIBLE INSTALLATIONS.
UR-1	URINAL: KOHLER #5452-ET "DEXTER" WHITE VITREOUS CHINA, WALL MOUNTED, SIPHON JET ACTION 0.125 GPF, 3/4" INLET SPUD, FLUSHING RIM, WALL HANGER SLOAN "ROYAL" #186-0125 DBP FLUSH VALVE. UNIT SHALL CONFORM TO STATE ACCESS REGULATIONS AND TITLE 24 REQUIREMENTS FOR ACCESSIBLE INSTALLATIONS.
SH-1	SHOWER: DELTA #424-LHP MIXING VALVE, WASHERLESS, SINGLE LEVER, SCREWDRIVER STOPS, CHROME PLATED WITH SHOWER HEAD AND CHROME PLATED FLOOR DRAIN WITH 2" OUTLET, FLANGE AND SEEPAGE PAN
FD	FLOOR DRAIN: JR. SMITH # 2005(A), 5" DIAMETER NICKEL BRONZE TOP WITH 2" PIPE, FLANGE AND SEEPAGE PAN. PROVIDE TRAP PRIMER CONNECTION.
ID	TRENCH DRAIN: ACO K50, STAINLESS STEEL EDGE RAIL WITH GRATE (34699), END CAPS AND DRAIN FITTINGS. SHALL HAVE A MINIMUM OF 1/4" PER FOOT SLOPE
TP	TRAP PRIMER: PRECISION PLUMBING PRODUCTS, INC. #FO-500 PRIME-RITE FOR TWO RESTROOM FLOOR DRAINS. PROVIDE 12 x 12 ACCESS DOOR FOR CONCEALED UNIT.

## PLUMBING LEGEND

SYMBOL	DESCRIPTION
---	SOIL, WASTE OR SANITARY SEWER BELOW GRADE OR SLAB
GW	GREASE WASTE BELOW GRADE
AW	ACID WASTE
---	SOIL, WASTE OR SANITARY SEWER ABOVE GRADE OR SLAB
---	VENT PIPING
---	COLD WATER PIPING
---	HOT WATER PIPING
---	HOT WATER RETURN PIPING
T	TEMPERED WATER PIPING
F	FILTERED WATER PIPING
G	GAS PIPING - PRESSURE NOTED
CA	COMPRESSED AIR PIPING
FS	FIRE SPRINKLER PIPING
SD	STORM DRAIN PIPING
P+TR	PRESSURE AND TEMPERATURE RELIEF PIPING
CD	CONDENSATE DRAIN PIPING
X X X	EXISTING PIPING OR FIXTURE TO BE REMOVED OR ABANDONED IN PLACE
	UNION
SOV	SHUT OFF VALVE
GV	GATE VALVE
GV/VB	GATE VALVE IN VALVE BOX
CKV	CHECK VALVE - DIRECTION OF FLOW INDICATED
BV	BALL VALVE
P+TRV	AUTOMATIC GAS SHUT-OFF VALVE
GCO, FCO	PRESSURE AND TEMPERATURE RELIEF VALVE
CO, WCO	GRADE CLEAN OUT, FLOOR CLEAN OUT
FD	CLEANOUT, WALL CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
HB	HOSE BIBB
POC	POINT OF CONNECTION
FOD	POINT OF DISCONNECT
I.E.	INVERT ELEVATION
FF.	FINISHED FLOOR
/FT	PER FOOT
USUFUG	UNDER SLAB, UNDER FLOOR, UNDERGROUND
FA, TA	FROM ABOVE, TO ABOVE
FB, TB	FROM BELOW, TO BELOW
TYP.	TYPICAL
(N)	NEW
(E), EXISTING	EXISTING TO BE FIELD VERIFIED BY CONTRACTOR
AFB	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ABC	ABOVE CEILING
CI	CAST IRON
VCP	VITRIFIED CLAY PIPE
V, VR, VTR	VENT, VENT RISER, VENT THRU ROOF
W, WD	WASTE, WASTE DROP
HW, HWD, HUR, HWR	HOT WATER, HOT WATER DROP, HOT WATER RISER, HOT WATER RETURN
CW, CWD, CWR	COLD WATER, COLD WATER DROP, COLD WATER RISER
REF	REFERENCE
RIC	ROUGH-IN & CONNECT
QC	QUICK CONNECT (AIR)
RD	ROOF DRAIN
OD	OVERFLOW DRAIN
TDL	TOTAL DEVELOPED LENGTH
SAD	SEE ARCHITECTURAL DRAWINGS
SCD	SEE CIVIL DRAWINGS
NIFC	NOT IN PLUMBING CONTRACT
BV/VB	BALL VALVE IN VALVE BOX

## FIXTURE CONNECTION SCHEDULE

SYMBOL	FIXTURE DESCRIPTION	VENT	WASTE		WATER		GAS MBH
			DIRECT	IND.	CW	HW	
WC	WATER CLOSET, FV	2	3	-	1/4	-	-
LAV	LAVATORY	1/2	2	-	3/4	3/4	-
UR	URINAL	1/2	2	-	1	-	-
SH	SHOWER	1/2	2	-	3/4	3/4	-
FD/FS	2" FLOOR DRAIN/SINK	2	2	-	-	-	-
TP	TRAP PRIMER	-	-	-	1/2	-	-



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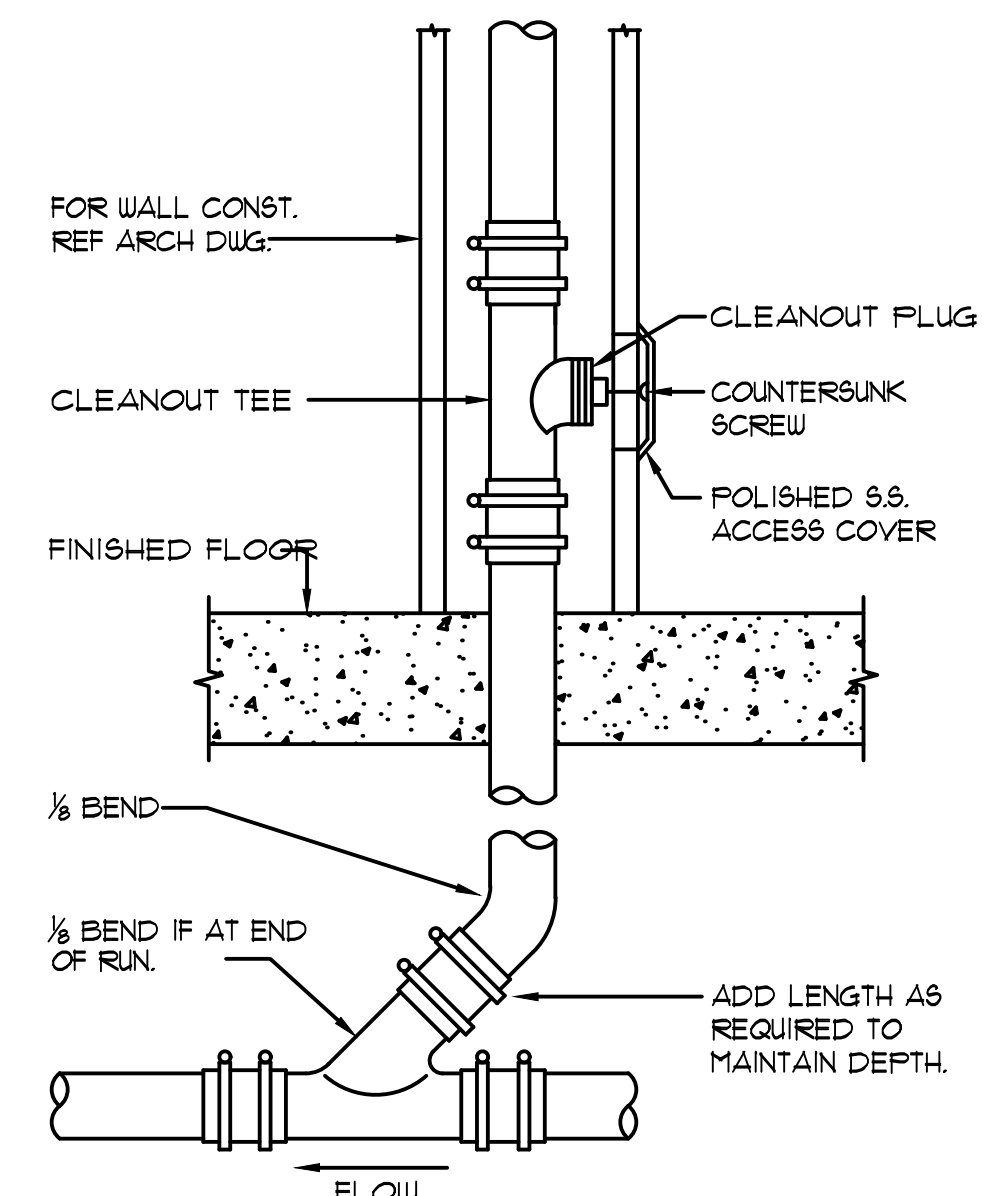
Date Signed: February 21, 2019  
PROJECT NUMBER: 18-045 PROJECT DATE: 12-21-2018

SHEET CONTENTS:

PLUMBING LEGENDS & SCHEDULES

SHEET NUMBER:



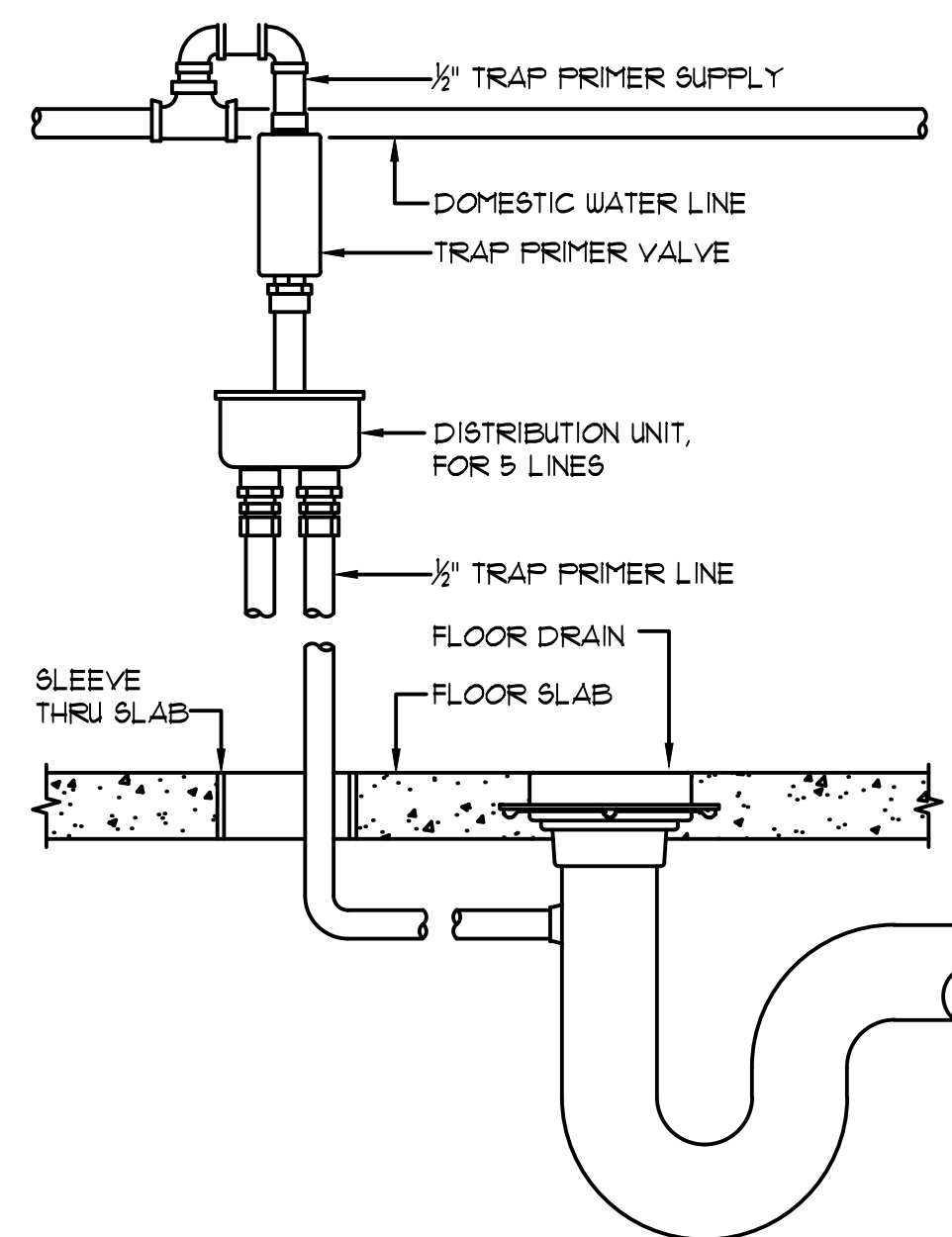


### INDOOR WALL CLEANOUT

SCALE: NONE

1

P1.1

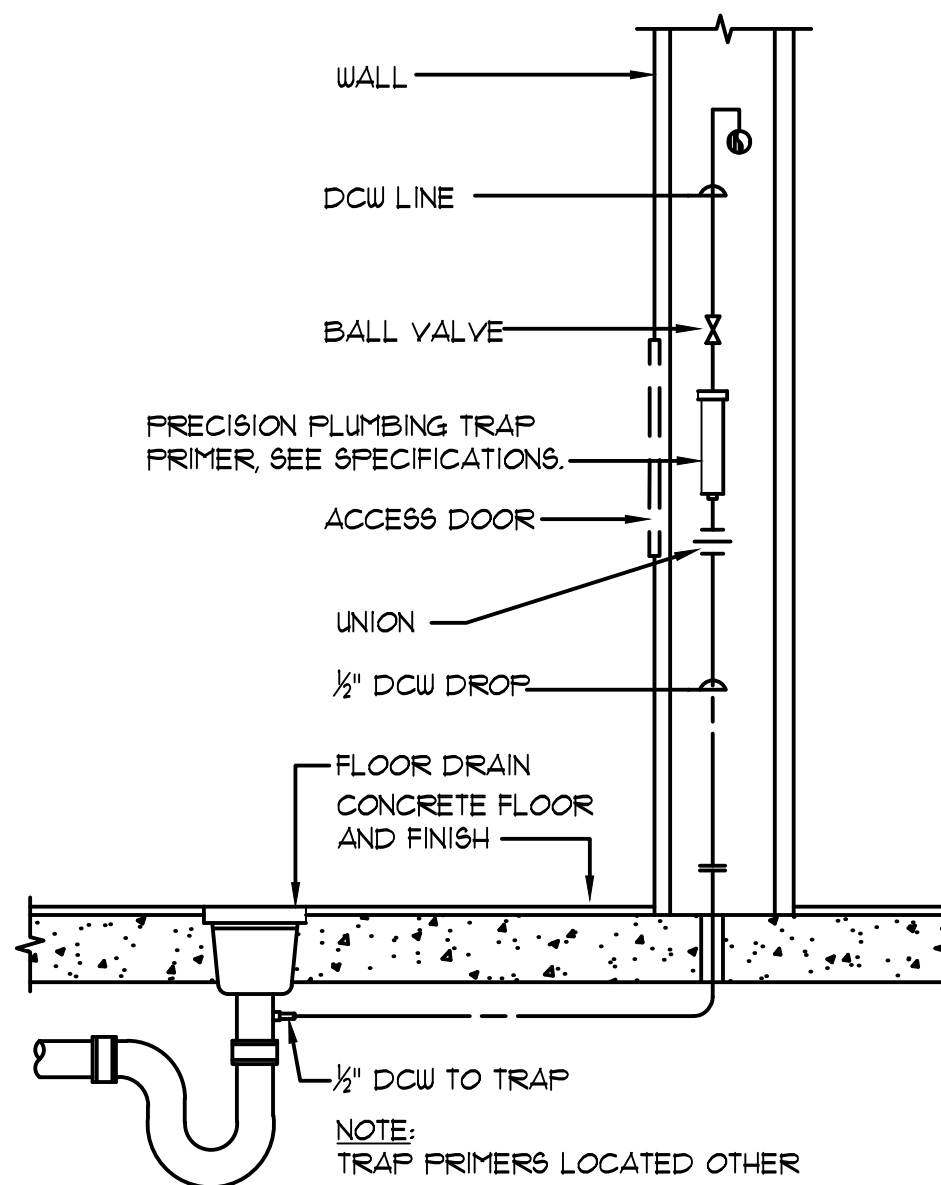


### TRAP PRIMER SEAL DETAIL

SCALE: NONE

2

P1.1



### TRAP PRIMER DETAIL

SCALE: NONE

3

P1.1

### GENERAL PLUMBING NOTES

- ALL EQUIPMENT AND MATERIALS USED SHALL BE NEW AND SHALL BE EQUAL IN QUALITY, TYPE, CAPACITY AND ACCESSORIES TO THE EQUIPMENT NOTED ON THE DRAWINGS. ADJUSTMENTS TO CONSTRUCTION AND ACCESSORIES ON SUBSTITUTED EQUIPMENT MAY BE REQUIRED TO ACHIEVE THIS EQUALITY, AND SHALL BE INCLUDED AT NO EXTRA COST TO THE OWNER MAKE ANY CHANGES IN PIPING, FRAMING, ETC., AS REQUIRED TO ACCOMMODATE SUBSTITUTED EQUIPMENT.
- INSTALL ALL EQUIPMENT AND MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES. APPLICABLE CODES SHALL INCLUDE, BUT NOT BE LIMITED TO THE 2016 CALIFORNIA MECHANICAL CODE, 2016 CALIFORNIA PLUMBING CODE, 2016 CALIFORNIA CODE OF REGULATIONS (CCR), 2016 CALIFORNIA FIRE CODE AND 2016 TITLE 24 ENERGY EFFICIENCY STANDARDS. WHERE HEAVIER GAGES OF MATERIAL, LARGER SIZES OR MORE STRINGENT REQUIREMENTS THAN THE CODES ARE REQUIRED BY THE CONTRACT DOCUMENTS, SUCH INCREASED REQUIREMENTS SHALL APPLY.
- PIPING MATERIALS SHALL BE AS FOLLOWS:  
STORM WASTE AND VENT SHALL BE SCHEDULE 40 PVC, POLYVINYL CHLORIDE (PVC) PLASTIC PIPE. ALL PIPE, COUPLINGS AND FITTINGS SHALL BE MANUFACTURED OF MATERIAL CONFORMING TO ASTM D 1785, PLASTIC SOLVENT CEMENT FOR PVC PLASTIC PIPE SHALL CONFORM TO ASTM D 2235. (ALTERNATIVE (ABS BELOW SLAB, OR IN WALL))

CONDENSATE DRAIN PIPING: TYPE DWV COPPER TUBING AND FITTINGS OR SCHEDULE 40 GALVANIZED STEEL PIPE AND MALLEABLE IRON FITTINGS. (PVC PIPING WILL NOT BE ACCEPTABLE.)

WATER PIPE (HOT AND COLD WATER): TYPE L BELOW GRADE, TYPE M ABOVE GRADE, COPPER TUBING, HARD-TEMPER WITH WROUGHT COPPER FITTINGS. SOLDERING / BRAZING MATERIAL SHALL BE LEAD FREE, SILVER SOLDER BELOW GRADE, 95-5 OR SIMILAR ABOVE GRADE. CAPPED OR PLUGGED OUTLETS SHALL BE SCHEDULE 40 SCREWED BRASS ELBOWS AT BRANCH OUTLETS SHALL BE SCREWED OUTLET, WITH EARS, FOR NAILING OR SCREWING TO WALL BACKING.

GAS PIPING: PIPING SHALL BE BLACK STEEL, ASTM A-53, WITH MALLEABLE STEEL FITTINGS. PIPE SIZES 3" AND OVER SHALL HAVE WELDED JOINTS; SIZES 2-1/2" AND SMALLER MAY BE THREADED OR WELDED, AT CONTRACTOR'S OPTION.

- PIPING AND EQUIPMENT ACCESSORIES SHALL BE AS FOLLOWS:

PROVIDE STOPS FOR ALL FIXTURES. STOPS SHALL HAVE THREADED INLETS, SIMILAR TO SPEEDWAY 9R 3712. STOPS WITH BRAZED (SOLDERED) OR COMPRESSION INLET CONNECTIONS WILL NOT BE ALLOWED.

PROVIDE ELBOWS AT ALL PIPING PENETRATIONS OF WALLS TO STOPS. ELBOWS SHALL HAVE NAILING EARS, AND SHALL BE SECURELY FASTENED TO THE STRUCTURE. NIPPLES THROUGH THE WALLS SHALL BE 1/2" WEIGHT THREADED COPPER OR BRASS.

PROVIDE TRAPS FOR ALL FIXTURES. TRAPS FOR SINKS AND LAVS SHALL BE BRASS, 11 GAGE MINIMUM THICKNESS, WITH INTEGRAL CLEANOUT.

PROVIDE CHROME PLATED ESCUTCHEON PLATES ON ALL PIPES PASSING THROUGH WALLS OR CEILINGS. ALL EXPOSED PIPING SHALL BE CHROME PLATED.

PROVIDE PERMANENT CLEVIS TYPE OR LOOP HANGERS FOR PIPING AS REQUIRED. WIRE, ROPE, WOOD BLOCKING OR PERFORATED METAL TAPE WILL NOT BE ACCEPTED. PROVIDE PLASTIC WRAPPING OF PIPE WHERE DISSIMILAR METALS OCCUR, SUCH AS BETWEEN COPPER AND IRON PIPING AND SUPPORTS.

PROVIDE WRAP ON WASTE, HOT AND COLD WATER PIPING UNDER ADA ACCESSIBLE PLUMBING FIXTURES. PLUMBEREX "PRO-EXTREME" ONE-PIECE PROTECTOR WITH FULL ROTATION OPTION, AND 3-M DUAL LOCK FASTENERS SECURED WITH SELF LOCKING NYLON STRAPS.

- CATHODIC PROTECTION:

WRAP ALL COPPER OR STEEL WATER PIPING UNDER FLOOR OR BELOW GRADE WITH TWO LAYERS OF PABCO-WRAP, OR SIMILAR MATERIALS, INCLUDING ALL JOINTS. GAS PIPING BELOW GRADE SHALL BE WRAPPED AS DESCRIBED FOR WATER PIPING, OR, AT CONTRACTOR'S OPTION, MAY HAVE EXTRU-COAT OR SIMILAR COVERING. ALL FIELD JOINTS SHALL BE WRAPPED AS FOR BARE PIPING JOINTS. PLACE EXTRU-COAT GAS PIPING IN A SAND OR SIEVED EARTH BED, WITH SIMILAR COVERING TO A LEVEL OF 4" ABOVE TOP OF PIPE.

WRAP WATER WASTE AND GAS PIPING THROUGH THE FLOOR SLAB WITH 1/2" THICK THERMASEAL, 2" ABOVE AND BELOW THE SLAB SURFACES.

- INSULATION:

WRAP ALL HOT WATER SUPPLY AND RETURN PIPING WITH 1" THICK THERMASEAL INSULATION OR EQUAL. TAPE ALL BUTTED JOINTS WITH TAPE AS RECOMMENDED BY THE MANUFACTURER. USE ENLARGED SECTIONS AT FITTINGS, WHERE REQUIRED, AND MITERED JOINTS AT ELBOWS, ETC. VALVE AND PUMP BODIES NEED NOT BE INSULATED.

### GENERAL PLUMBING NOTES (cont.)

- INSTALLATION:

INSTALL ALL PIPING IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE WITH THE STATE OF CALIFORNIA AMENDMENTS. SLOPE ALL WASTE PIPING AS INDICATED ON THE DRAWINGS, AND ALL WATER PIPING TO INSURE ELIMINATION OF AIR. CAREFULLY GRADE ALL WASTE PIPING TO ENSURE A UNIFORM SLOPE IS ACHIEVED, WITHOUT ANY DIPS OR HIGH POINTS IN THE PIPING.

CAREFULLY TRENCH FOR ALL UNDERGROUND PIPING, AVOID OTHER UTILITIES, AND REPAIR ANY DAMAGES TO SAME CAUSED BY THE WORK OF THIS CONTRACT. PROVIDE PROPER SHORING FOR ALL DEEP TRENCHES, AS REQUIRED BY THE SAFETY REGULATIONS OF THE STATE OF CALIFORNIA, AND BY OSHA. PROVIDE ALL REQUIRED BARRICADES, WARNING SIGNS, ETC. CAP ALL PIPING ENDS AT THE CLOSE OF THE DAY'S WORK TO PREVENT ENTRY OF FOREIGN MATERIALS. FLUSH PIPING OF ALL DEBRIS BEFORE CONNECTING TO FIXTURES.

EMBED ALL UNDERGROUND PIPING, OTHER THAN GAS PIPING, IN SIEVED EARTH FOR A DEPTH OF 4" ABOVE THE PIPE. SMOOTH THE TRENCHING BELOW THE PIPING FREE FROM ANY ROCKS OR SIMILAR OBSTRUCTIONS, AND PROVIDE SPACE FOR BELLS OR MECHANICAL JOINTS FOR ALL WASTE PIPING. LATERALLY BRACE PIPING TO PREVENT PIPE MOTION DURING BACK FILLING OPERATIONS.

PROVIDE SHOCK ABSORBERS AT HOT AND COLD WATER AT ALL FIXTURES. ABSORBER SHALL BE A LINE SIZE PIPE RISER CONNECTING TO A 12" HIGH CAPPED PIPE CHAMBER, SIZED ONE SIZE LARGER THAN THE RISER. A SINGLE MECHANICAL SHOCK ABSORBER MAY BE UTILIZED FOR A BATTERY OF FIXTURES, PROVIDED THE ABSORBER IS SIZED FOR THE MAIN LINE SERVING THE BATTERY OF FIXTURES.

CHLORINATE ALL WATER PIPING FOR A PERIOD OF 8 HOURS, BY CHARGING WITH A CHLORINE OR HYPO CHLORITE SOLUTION TO ACHIEVE A 5 PPM STRENGTH AT THE FIXTURE FURTHEST FROM THE POINT OF APPLICATION. UPON COMPLETION OF CHLORINATION, FLUSH ALL PIPING UNTIL NO CHLORINE CAN BE DETECTED BY TASTE.

AFTER CHLORINATION AND ALL TESTING HAS BEEN COMPLETED, CLEAN ALL FIXTURE STRAINERS, AND SET WATER FLOWS FROM FIXTURES IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR.

- TESTS:

TEST ALL GAS PIPING FOR A PERIOD NOT LESS THAN TWO HOURS AT A PRESSURE OF NOT LESS THAN 10 PSIG, USING SOAP AND WATER OR SIMILAR MATERIALS AT ALL JOINTS. WELDED GAS PIPING SHALL BE TESTED PER UPC/CFC.

TEST ALL WASTE AND VENT PIPING FOR A PERIOD OF NOT LESS THAN 8 HOURS BY CAPPING OR PLUGGING ALL JOINTS TO A LEVEL OF THE HIGHEST FIXTURE OR FITTING. FILLING THE SYSTEM WITH WATER, AND OBSERVING FOR LEAKS. TEST UNDERGROUND SECTION OF PIPE WITH A RISER TO ACHIEVE THE PRESSURE EQUIVALENT TO THE HIGHEST FIXTURE OR FITTING.

TEST WATER PIPING AT 100 PSIG FOR A PERIOD OF EIGHT HOURS, OBSERVING FOR ANY VISIBLE LEAKS. TEST PIPING AGAIN WITH FIXTURES INSTALLED AT 60 PSIG.

REPAIR ANY LEAKS FOUND BY REMAKING THE JOINT. DO NOT USE CAULKING OR SIMILAR METHODS TO CORRECT LEAKS. UPON REPAIRING ANY LEAKS FOUND, AGAIN TEST THAT PORTION OF THE SYSTEM AS DESCRIBED ABOVE.

- PROVIDE SIX COPIES OF SUBMITTALS WITH MFR'S OPERATING AND MAINTENANCE DATA FOR ALL ITEMS OF EQUIPMENT INSTALLED. INDICATE THE EXACT MODEL(S) OF EQUIPMENT, WHERE THE MANUFACTURER'S DATA INCLUDES MODELS OTHER THAN THOSE INSTALLED. BIND THE INFORMATION IN 3 RING BINDERS, WITH DIFFERENT TYPES OF EQUIPMENT INDEXED. PROVIDE A SHEET INDICATING THE CONTRACTOR'S (AND SUBCONTRACTOR'S) NAMES, ADDRESSES AND TELEPHONE NUMBERS. INCLUDE ALSO THE PREFERRED SOURCES OF SPARE PARTS FOR THE EQUIPMENT INSTALLED, INCLUDING ADDRESSES, TELEPHONE NUMBERS, ETC.

- CONTRACTOR SHALL VERIFY ALL WORK CONDITIONS, PRIOR TO COMMENCING WORK, INCLUDING, BUT NOT LIMITED TO: PIPING SIZES, INVERT ELEVATIONS, POINTS OF CONNECTION, FIXTURES AND EQUIPMENT, STRUCTURAL ELEMENTS AND MATERIALS INDICATED AS EXISTING, AS WELL AS THE COORDINATED INSTALLATION OF ALL NEW WORK MATERIALS, EQUIPMENT, ETC. VERIFY THE LOCATION AND REQUIRED PIPING CONNECTIONS OF ALL HVAC OR OTHER MECHANICAL EQUIPMENT. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO TRENCHING OR COMMENCING OTHER WORK.

- ROUTE CONDENSATE PIPING FROM EQUIPMENT TO NEAREST APPROVED RECEPTOR. ALL CONDENSATE SYSTEMS SHALL TERMINATE INTO THE STORM DRAINAGE SYSTEM, UNLESS NOTED OTHERWISE, AND SHALL OTHERWISE BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES. CONNECT TO EQUIPMENT COMPLETE WITH VENTED P-TRAP.

- MECHANICAL EQUIPMENT AND IDENTIFICATION TAGS SHOWN ON DRAWING ARE FOR THE COORDINATION OF UTILITIES ONLY, REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT SPECIFICATIONS.



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PROJECT:

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REVISIONS:

PROFESSIONAL SEALS:



Date Signed: February 21, 2019

PROJECT NUMBER:

18-045

PROJECT DATE:

12-21-2018

SHEET CONTENTS:

PLUMBING NOTES  
DETAILS

SHEET NUMBER:

P1.1



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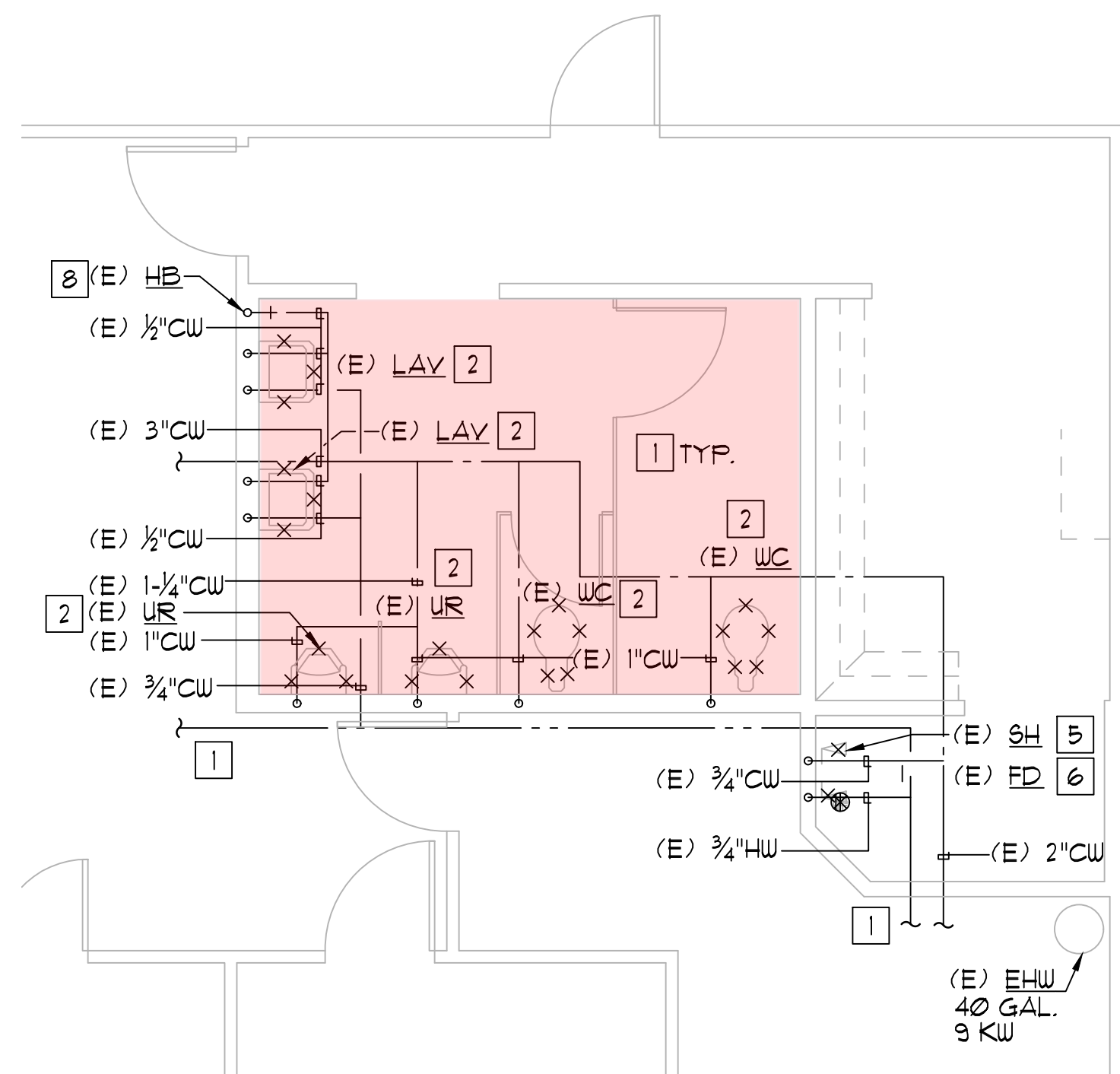
PROJECT NUMBER: 18-045 PROJECT DATE: 12-21-2018

SHEET CONTENTS:

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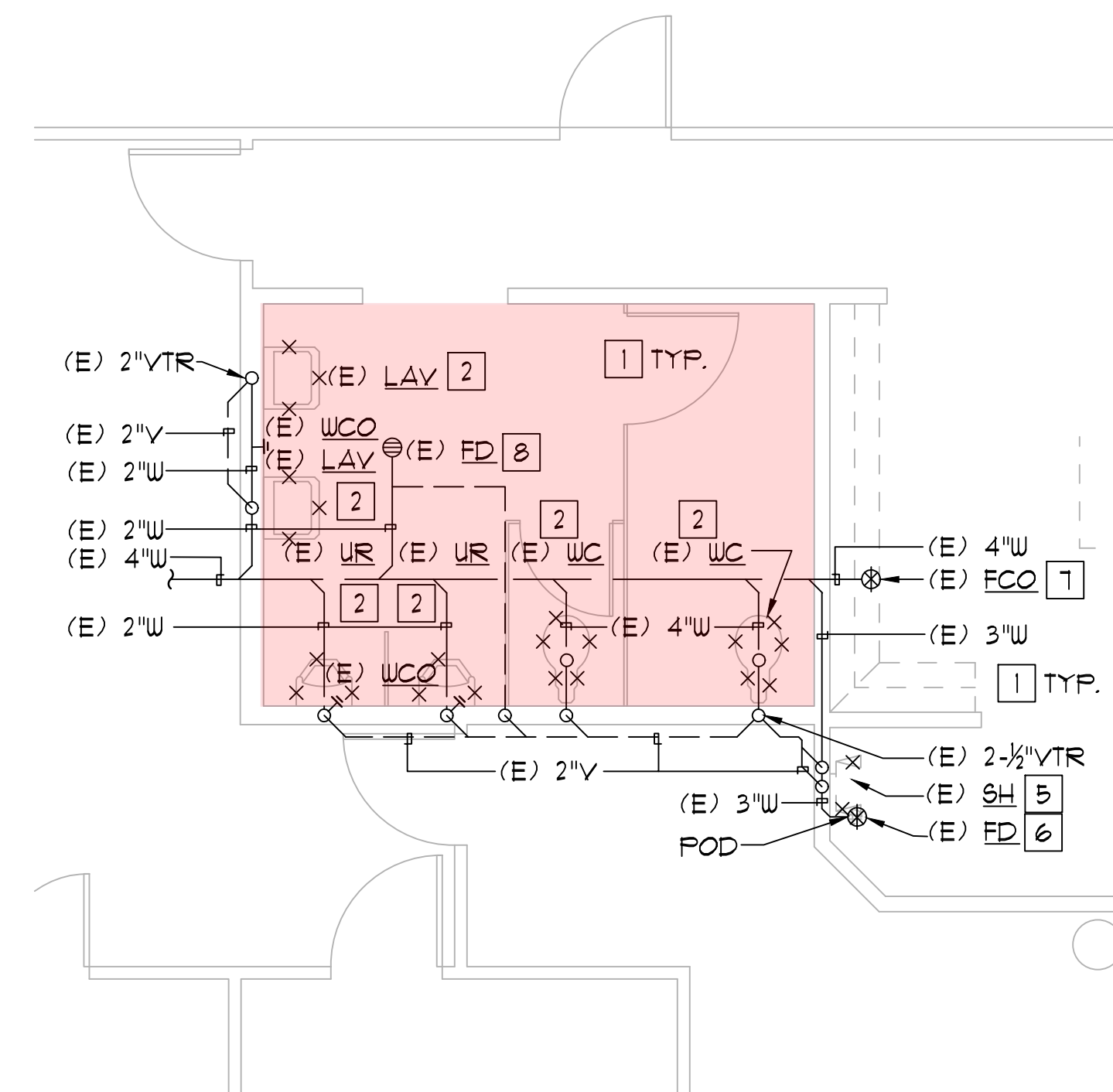
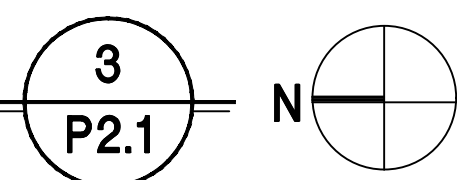
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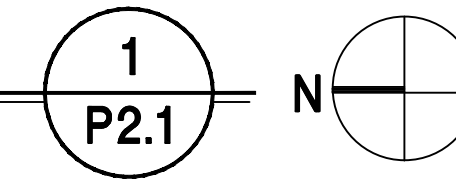
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SCALE: 1/4\"/>



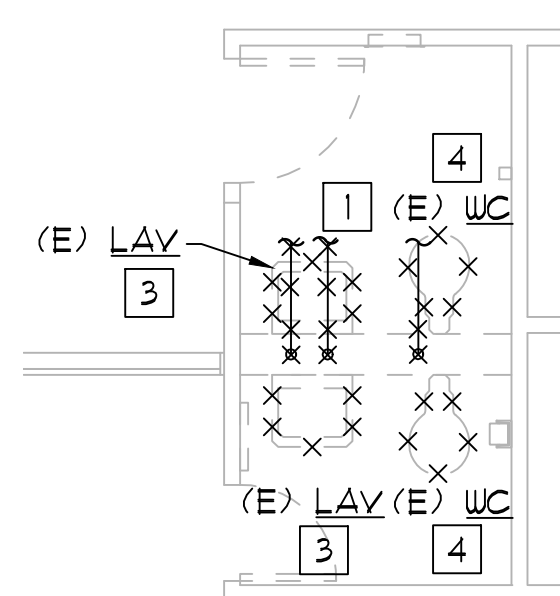
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SCALE: 1/4\"/>



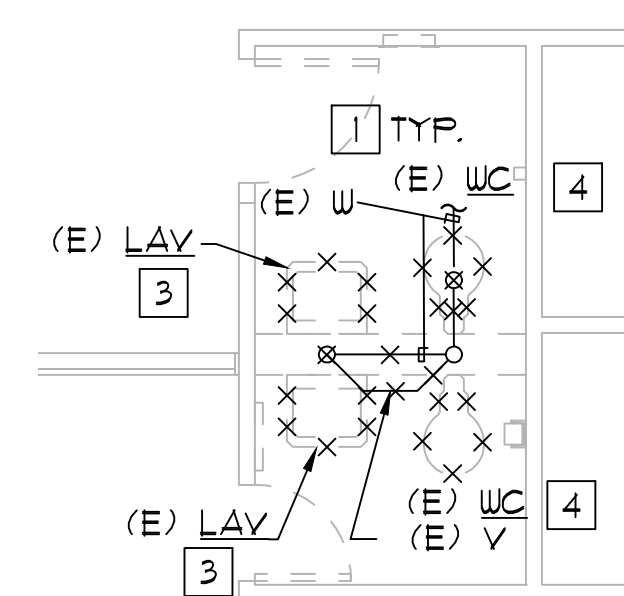
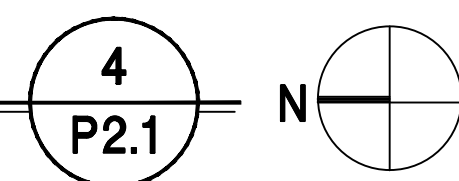
**NUMBERED KEY NOTES:**

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- 2 REMOVE EXISTING FIXTURE, PREPARE AREA FOR NEW.
- 3 REMOVE EXISTING LAVATORY AND ASSOCIATED PLUMBING AND CAP EXISTING BEHIND WALL OR UNDER FLOOR. PATCH TO MATCH EXISTING CONDITIONS AS NEEDED.
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- 6 REMOVE EXISTING FLOOR DRAIN ASSOCIATED PLUMBING AND CAP EXISTING UNDER FLOOR. PATCH TO MATCH EXISTING CONDITIONS AS NEEDED.
- 7 RELOCATE EXISTING FLOOR CLEAN OUT TO NEW LOCATION.
- 8 EXISTING TO REMAIN.



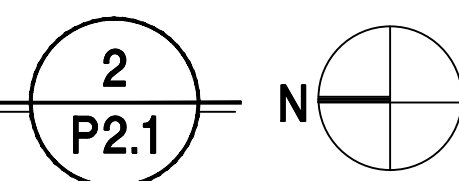
**ENLARGED DEMO PLUMBING DOMESTIC WATER RESTROOMS 3 & 4**

SCALE: 1/4\"/>



**ENLARGED DEMO PLUMBING WASTE & VENT RESTROOMS 3 & 4**

SCALE: 1/4\"/>





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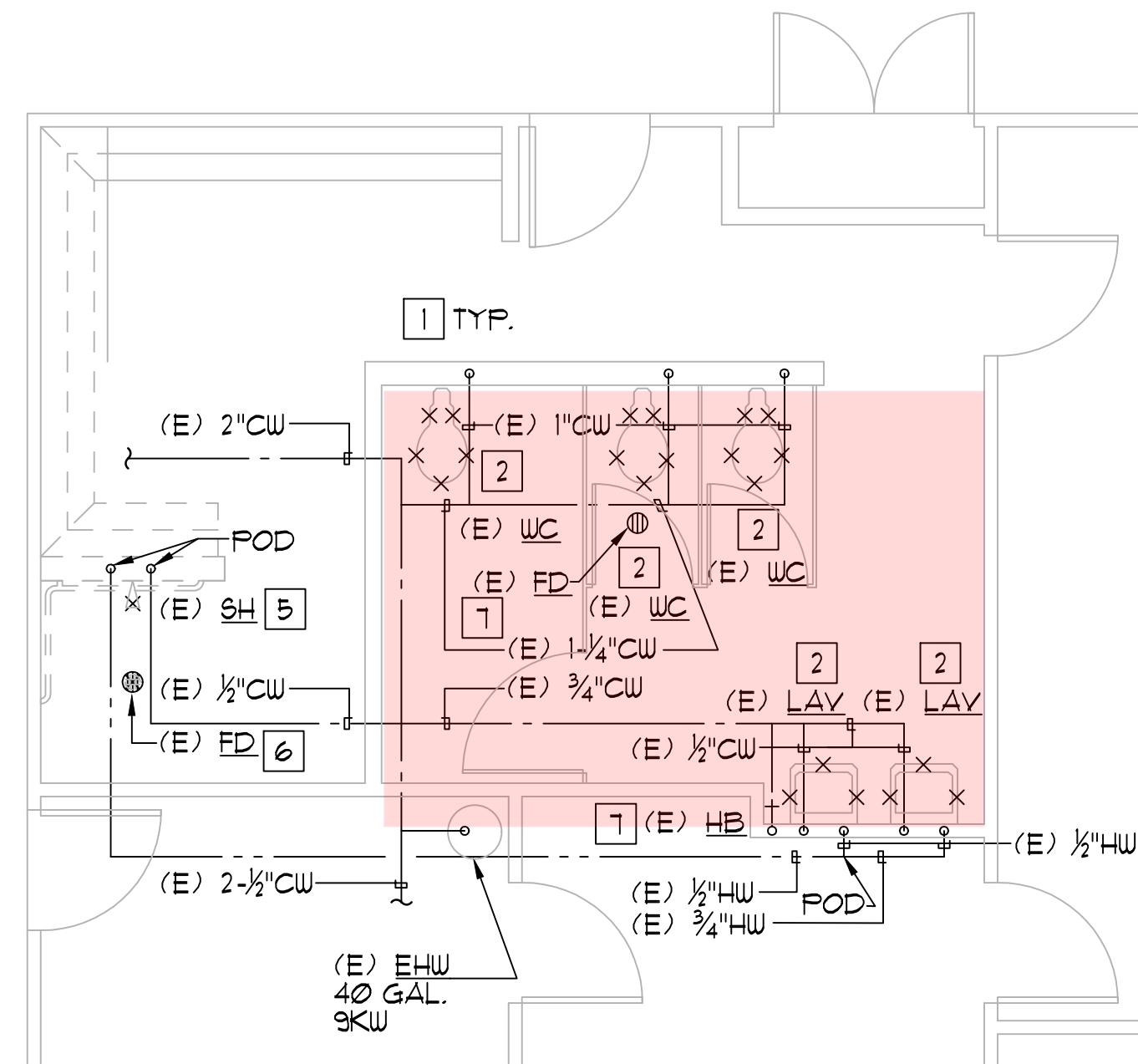
PROJECT NUMBER: 18-045 PROJECT DATE: 12-21-2018

SHEET CONTENTS:

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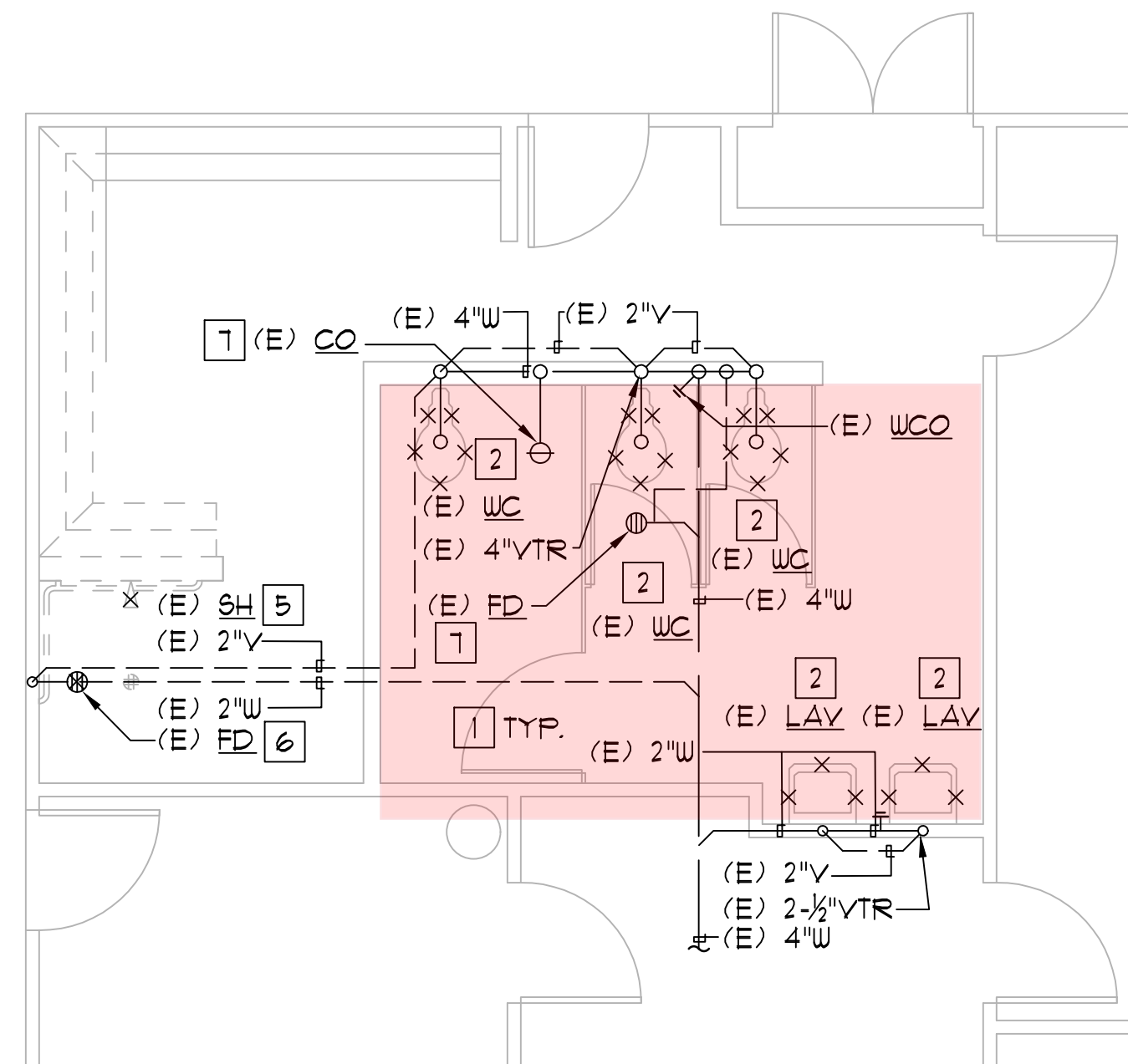
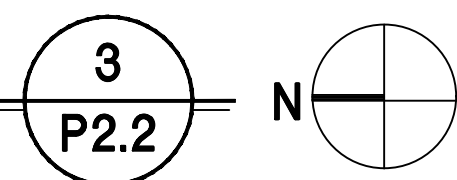
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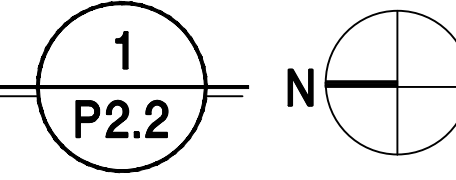
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SCALE: 1/4\"/>



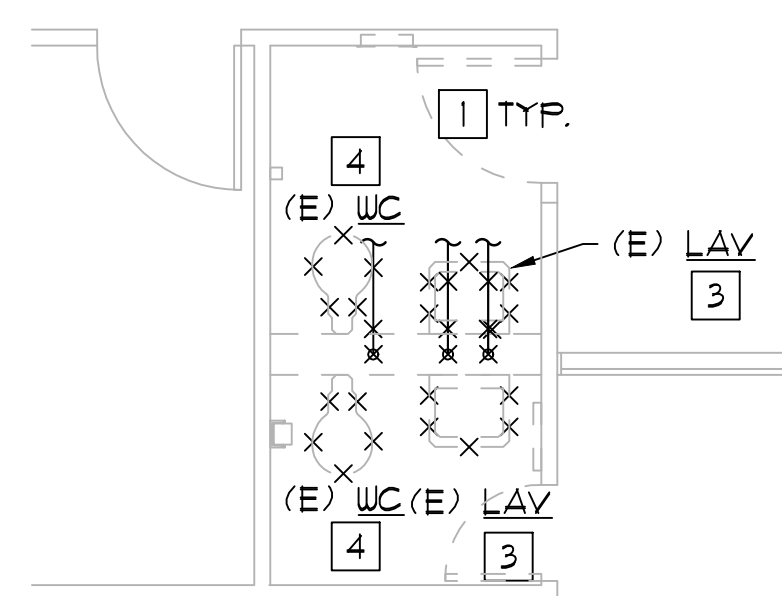
**ENLARGED DEMO PLUMBING WASTE & VENT WOMEN'S POOL RESTROOM**

SCALE: 1/4\"/>



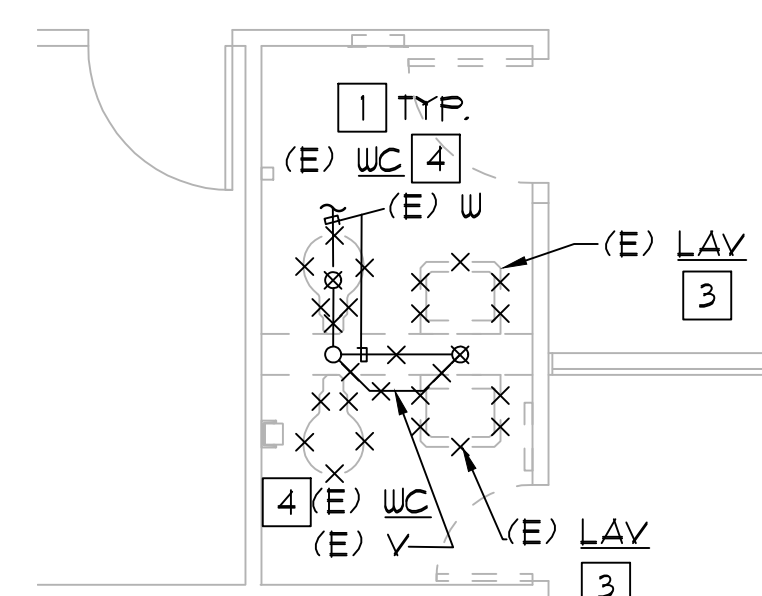
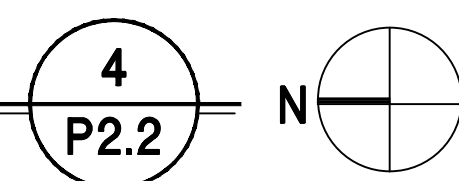
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- 7 EXISTING TO REMAIN.



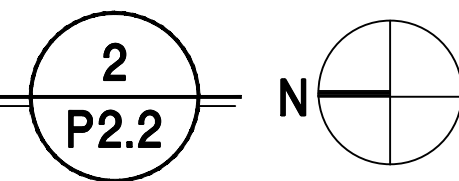
**ENLARGED DEMO PLUMBING DOMESTIC WATER RESTROOMS 1 & 2**

SCALE: 1/4\"/>



**ENLARGED DEMO PLUMBING WASTE & VENT RESTROOMS 1 & 2**

SCALE: 1/4\"/>





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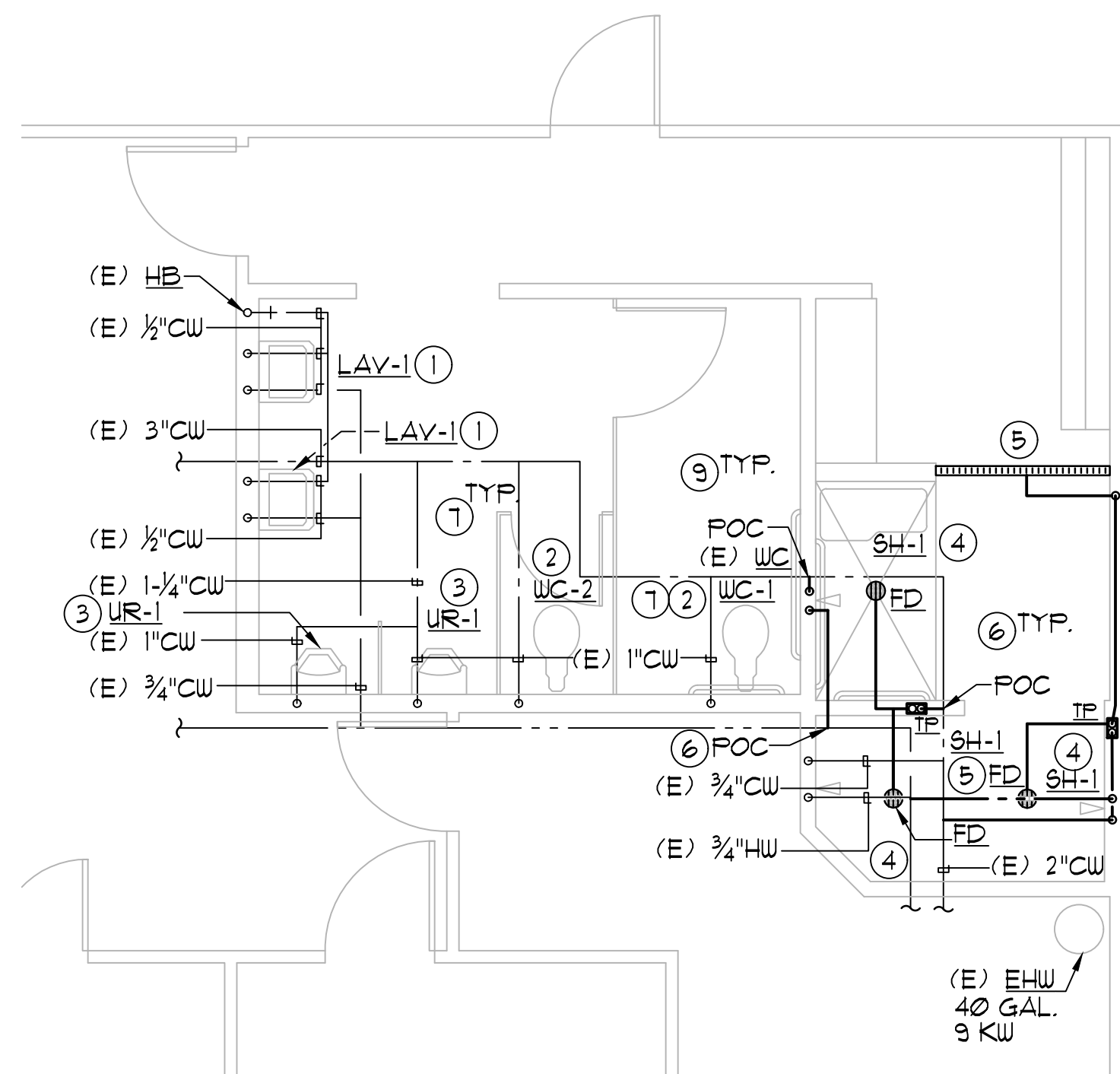
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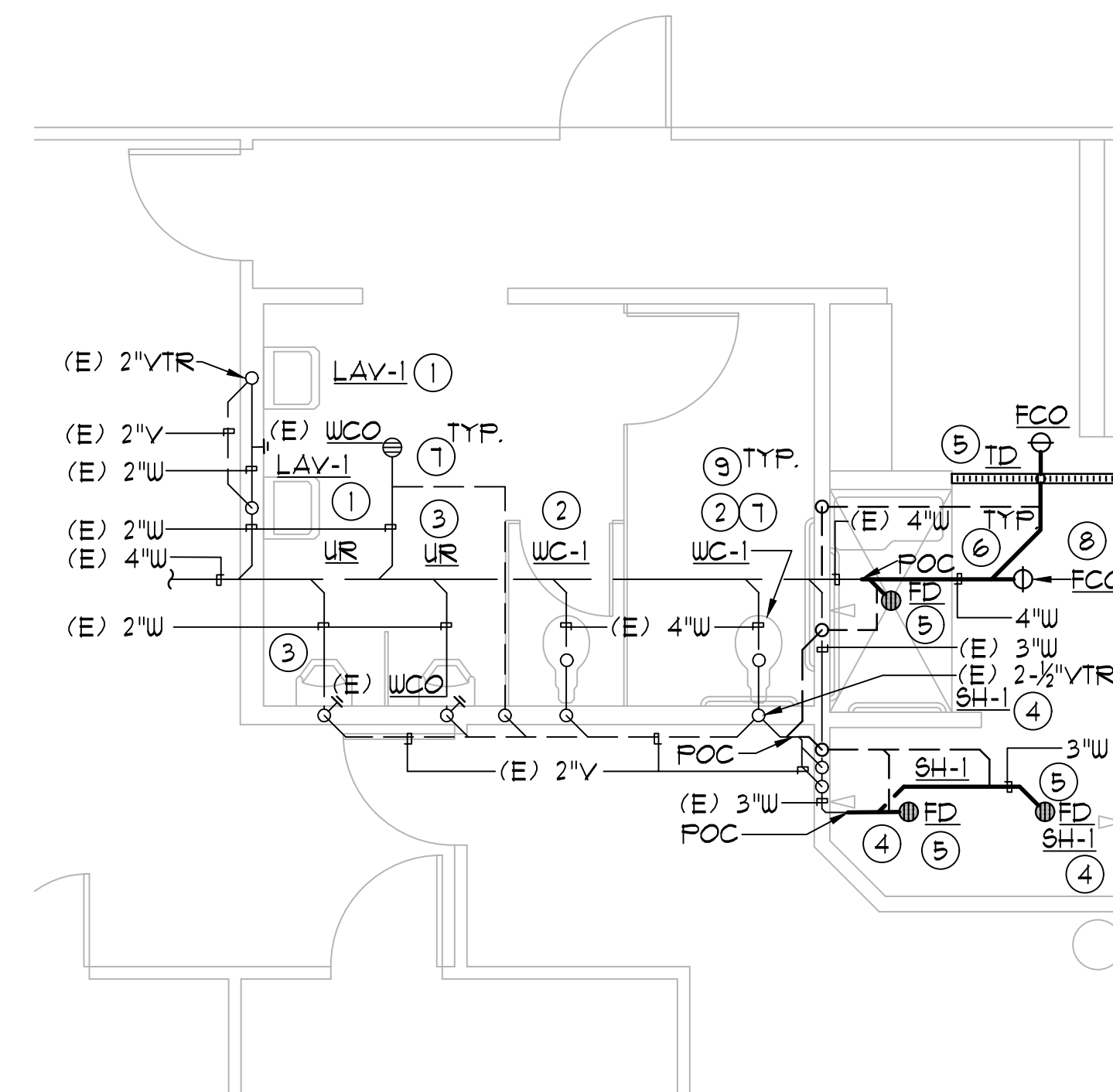
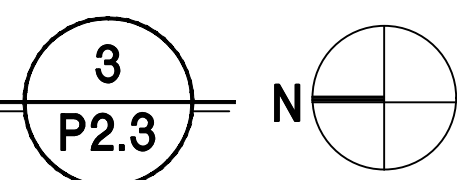
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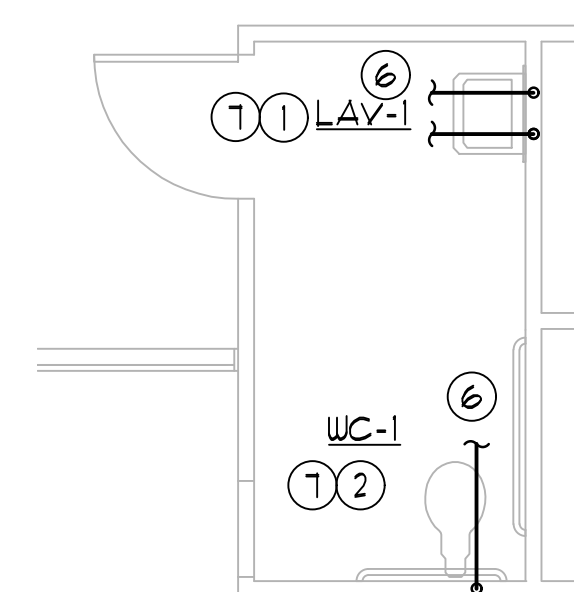
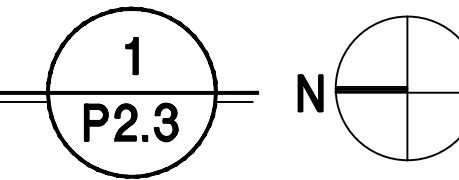
**ENLARGED PLUMBING DOMESTIC WATER MEN'S POOL RESTROOM**

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



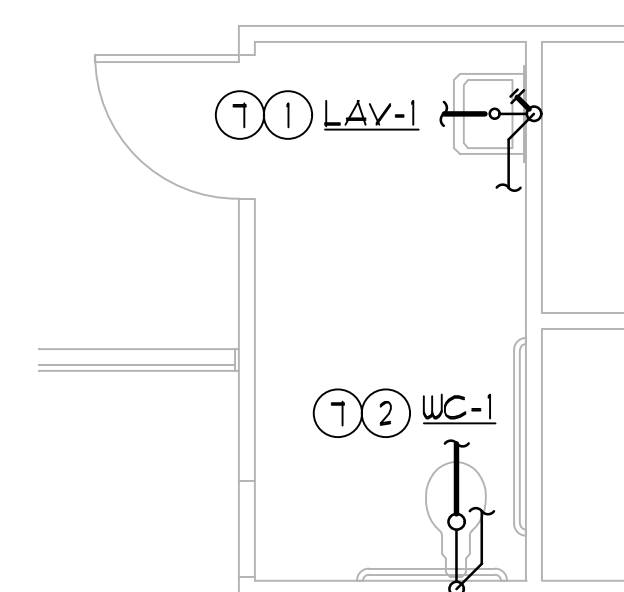
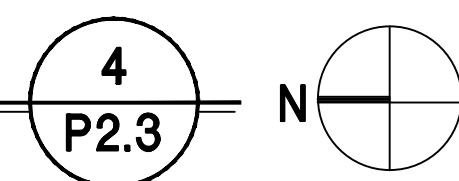
**ENLARGED PLUMBING WASTE & VENT MEN'S POOL RESTROOM**

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



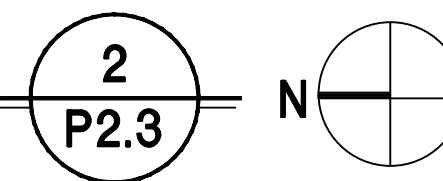
**ENLARGED PLUMBING DOMESTIC WATER RESTROOM 2**

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



**ENLARGED PLUMBING WASTE & VENT RESTROOM 2**

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



**NUMBERED KEY NOTES:**

- ① NEW LAVATORY: PROVIDE 2" WASTE DROP WITH CLEANOUT, 1-1/2" VENT RISER AND 3/4" HOT & COLD WATER PIPING IN FURRED WALL SPACE.
- ② NEW WATER CLOSET: PROVIDE 3" WASTE DROP, 2" VENT RISER AND 3/4" COLD WATER PIPING IN FURRED WALL SPACE.
- ③ NEW URINAL: PROVIDE 2" WASTE DROP WITH CLEANOUT, 1-1/2" VENT RISER AND 1" COLD WATER PIPING IN FURRED WALL SPACE.
- ④ NEW SHOWER: PROVIDE 2" WASTE DROP, 1-1/2" VENT RISER AND 3/4" HOT AND COLD WATER PIPING IN FURRED WALL SPACE.
- ⑤ NEW FLOOR DRAIN, TRENCH DRAIN: PROVIDE 2" WASTE DROP, 1-1/2" VENT RISER AND 1/2" COLD WATER PIPING FROM TRAP PRIMER IN FURRED WALL SPACE.
- ⑥ ROUTE AND CONNECT NEW UTILITIES, VENT AND NEW WASTE TO EXISTING.
- ⑦ FIXTURE SHALL CONFORM TO STATE ACCESS REGULATIONS AND TITLE 24 REQUIREMENTS FOR ACCESSIBLE INSTALLATIONS.
- ⑧ P.O.C. (N) W TO (E) W (VERIFY LOCATION, & ADEQUATE DEPTH, TRANSITION AS REQUIRED)
- ⑨ FOR FIXTURE IDENTIFICATION AND SPECIFICATIONS, REFER TO ARCHITECT PLANS.



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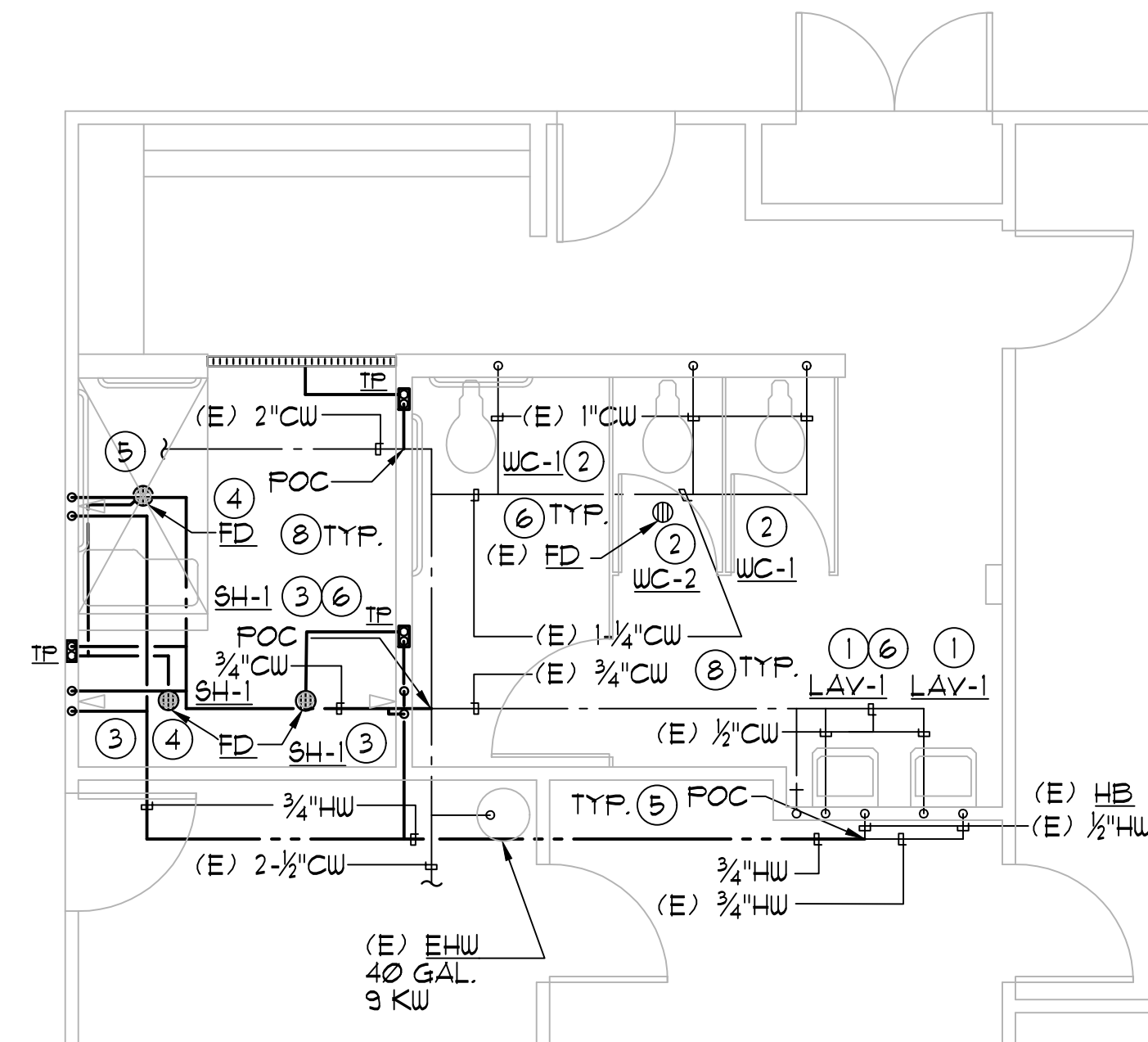
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**ENLARGED PLUMBING FLOOR PLANS**

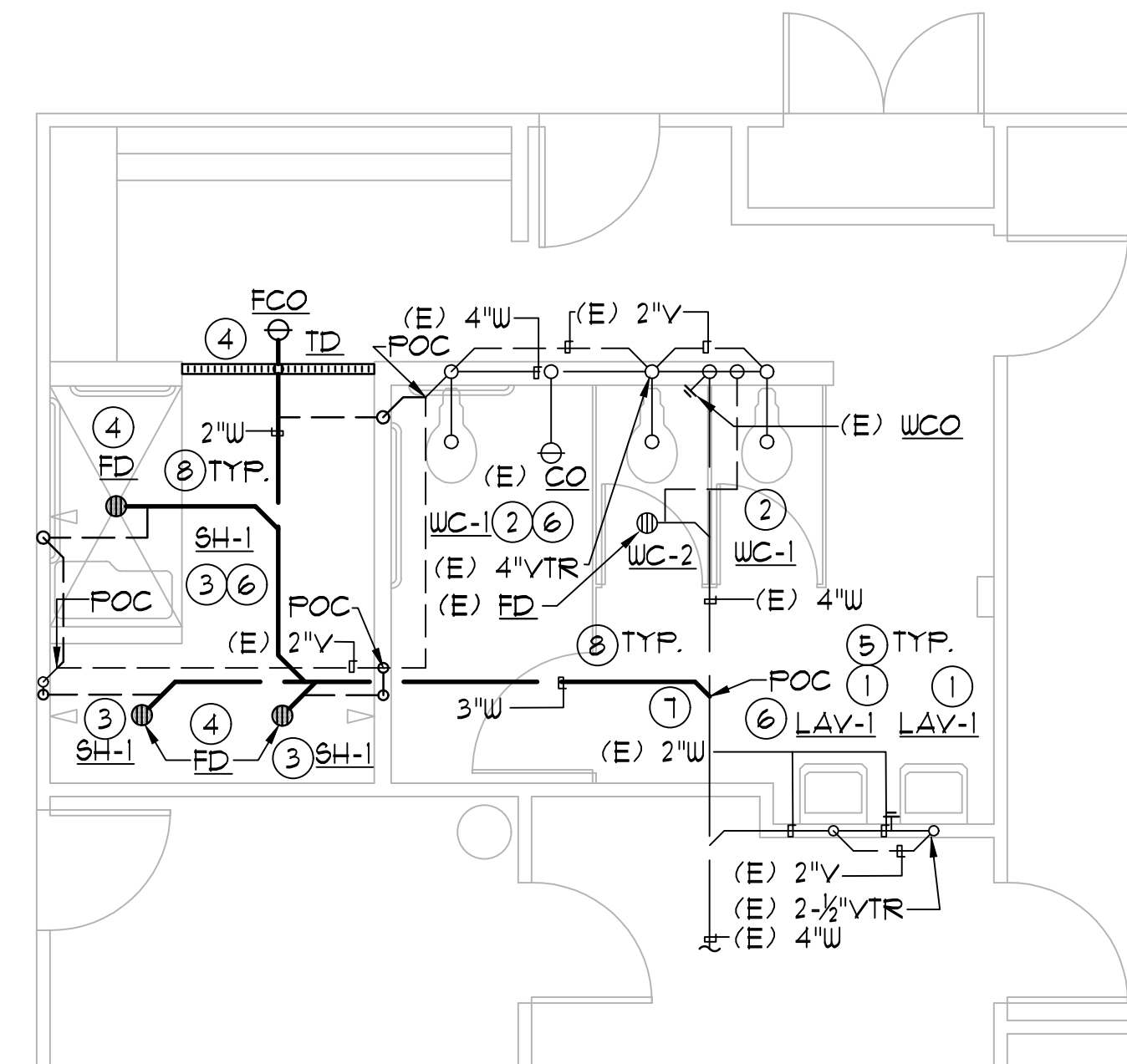
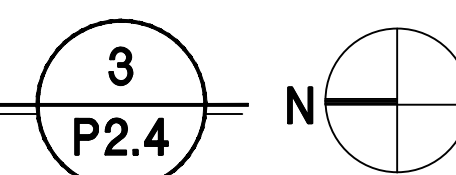
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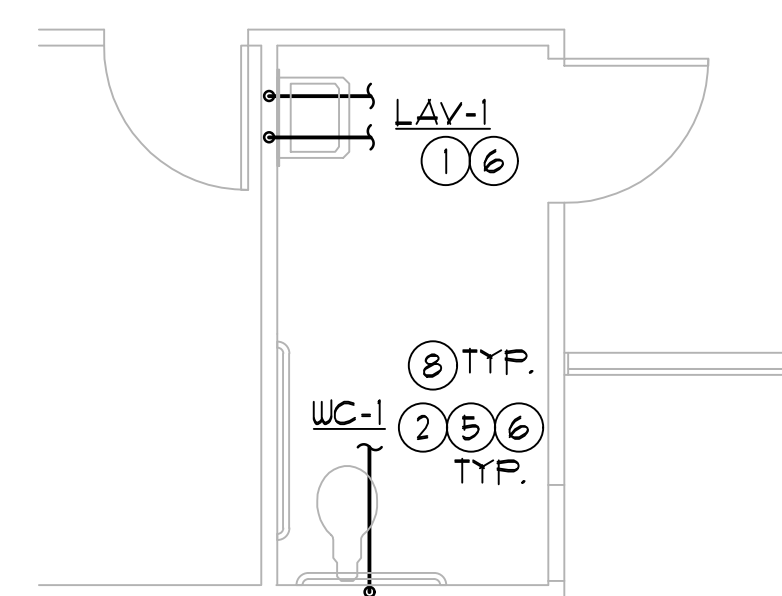
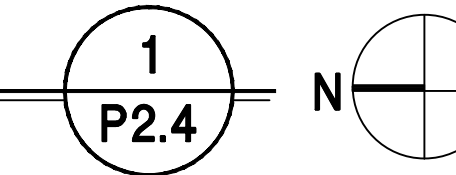
**ENLARGED PLUMBING DOMESTIC WATER WOMEN'S POOL RESTROOM**

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



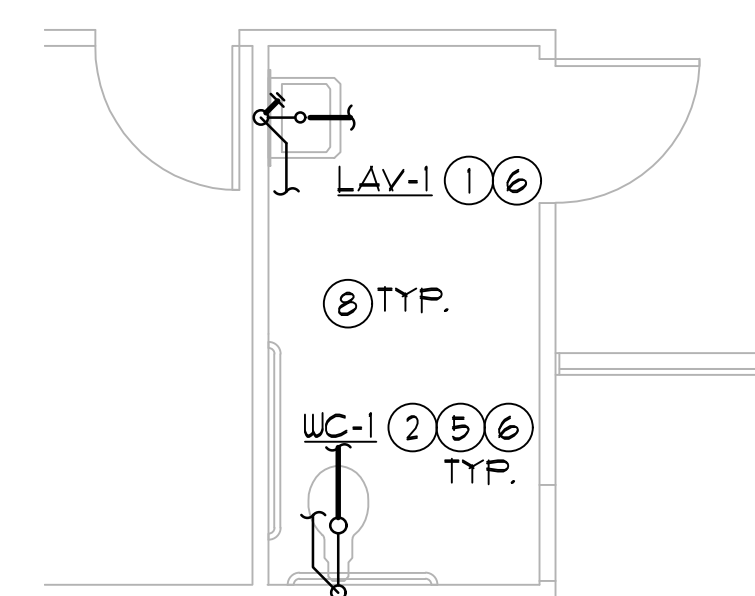
**ENLARGED PLUMBING WASTE & VENT WOMEN'S POOL RESTROOM**

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



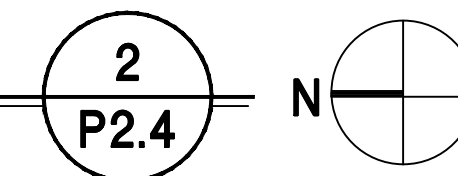
**ENLARGED PLUMBING DOMESTIC WATER RESTROOMS 1**

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



**ENLARGED PLUMBING WASTE & VENT RESTROOMS 1**

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



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- ⑥ FIXTURE SHALL CONFORM TO STATE ACCESS REGULATIONS AND TITLE 24 REQUIREMENTS FOR ACCESSIBLE INSTALLATIONS.
- ⑦ P.O.C. (N) W TO (E) W (VERIFY LOCATION, & ADEQUATE DEPTH, TRANSITION AS REQUIRED)
- ⑧ FOR FIXTURE IDENTIFICATION AND SPECIFICATIONS, REFER TO ARCHITECT PLANS.

## GENERAL NOTES

- THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- DIMENSIONS AND QUANTITIES WHERE SHOWN, ARE FOR ENGINEERING CALCULATIONS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR HIS OWN TAKE-OFF FOR THE PURPOSES OF BIDDING AND ORDERING.
- THE ELECTRICAL TRADE SHALL VISIT JOB SITE AND VERIFY DIMENSIONS AND CONDITIONS BEFORE BIDDING. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY, AND NOT INTENDED TO SHOW ROUTING OF CABLES AND CONDUITS WHICH SHALL BE DETERMINED IN THE FIELD. UON DEVICES ARE NOT SHOWN TO SCALE, AND THEREFORE CANNOT ALWAYS BE SHOWN IN THEIR EXACT LOCATION.
- THE ELECTRICAL DRAWINGS ARE NOT INTENDED TO SERVE AS STAND ALONE DOCUMENTS TO COMMUNICATE THE ENTIRE SCOPE OF ELECTRICAL WORK. THE ELECTRICAL CONTRACTOR SHALL OBTAIN A COMPLETE SET OF CONSTRUCTION DOCUMENTS INCLUDING ALL DRAWINGS, SPECIFICATIONS, AND MANUALS.
- WORK INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT TO REMOVE AND INSTALL ELECTRICAL ITEMS NECESSARY TO PROVIDE COMPLETE AND WORKING SYSTEMS.
- EXISTING DEVICES SHOWN WERE TAKEN FROM EXISTING DRAWINGS, NOT "AS BUILT" DRAWINGS AND LIMITED SITE SURVEYS, AND MAY NOT BE COMPLETELY ACCURATE. THE ELECTRICAL TRADE SHALL VISIT JOB SITE AND VERIFY CONDITIONS PRIOR TO BIDDING. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- BRANCH CIRCUITRY MAY NOT BE SHOWN FOR EXISTING DEVICES. THE ELECTRICAL TRADE SHALL RELOCATE EXISTING BRANCH CIRCUITRY AND MAKE ALL NECESSARY RECONNECTIONS AS REQUIRED TO FACILITATE REMODEL. VERIFY ALL WORK REQUIRED ON THE JOB AND RECORD ON RECORD DRAWINGS.
- ALL ELECTRICAL WORK SHALL CONFORM WITH THE 2016 EDITION OF THE CALIFORNIA ELECTRICAL CODE AS WELL AS ALL LOCAL CODES & REQUIREMENTS.
- ALL EQUIPMENT INSTALLED OR CONNECTED BY ELECTRICAL TRADE SHALL BE LABELED OR CERTIFIED FOR ITS USE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
- REFER TO THOSE DRAWINGS SHOWING OTHER WORK, AND COORDINATE PLACEMENT OF WORK WITH THAT OF OTHER TRADES. REPORT ANY CONFLICT TO ARCHITECT PRIOR TO INSTALLING WORK. ADJUST WORK AS DIRECTED BY ARCHITECT.
- WHERE ELECTRICAL CONDUIT ENTERS A WALL, CEILING OR FLOOR, THE OPENING AROUND THE CONDUIT SHALL BE TIGHTLY SEALED.
- CONDUIT INSIDE BUILDING SHALL BE EMT OR RSC. FLEXIBLE STEEL CONDUIT MAY BE USED IN SHORT LENGTHS WHERE FLEXIBILITY IS REQUIRED FOR MOVEMENT OR VIBRATION.
- PROVIDE A GROUNDING CONDUCTOR IN ALL FLEXIBLE CONDUITS.
- THE COMPLETE SYSTEM SHALL BE GROUNDED PER CEC ART. 250.
- CLEAN OUT AND REMOVE FROM SITE ALL SURPLUS MATERIALS AND DEBRIS RESULTING FROM THIS WORK.
- COORDINATE ALL TRIM COLOR AND STYLE W/ ARCHITECT PRIOR TO ORDERING.

LIGHTING FIXTURE SCHEDULE							
TYPE	MANUFACTURER	FIXT. VOLT.	LAMPS		INPUT V.A.	MOUNTING	REMARKS
			NO.	TYPE			
U1	LITHONIA UL4 20L GZ10 LP835 SC	MULTI	FURNISHED W/ FIXTURE		18.1	SURFACE WALL MOUNT	LISTED FOR DAMP LOCATIONS.
U2	LITHONIA UL4 20L GZ10 LP835 M&D1 SC	MULTI	FURNISHED W/ FIXTURE		18.1	SURFACE WALL MOUNT	INCLUDES INTEGRAL OCCUPANCY SENSOR. LISTED FOR DAMP LOCATIONS.
U3	LITHONIA UL4 30L GZ10 LP835 SC	MULTI	FURNISHED W/ FIXTURE		28.2	SURFACE WALL MOUNT	LISTED FOR DAMP LOCATIONS.
U4	LITHONIA UL4 40L GZ10 LP835 M&D1 SC	MULTI	FURNISHED W/ FIXTURE		39.5	SURFACE WALL MOUNT	INCLUDES INTEGRAL OCCUPANCY SENSOR. LISTED FOR DAMP LOCATIONS.

## ELECTRICAL SYMBOLS

- FLUORESCENT LIGHT FIXTURE - SURFACE MOUNTED
- WALL BRACKET LIGHT FIXTURE
- LIGHT EMITTING DIODE LIGHT FIXTURE - WALL MOUNTED
- \$ SINGLE POLE TOGGLE SWITCH, 46" UON
- \$3 THREE WAY TOGGLE SWITCH, 46" UON
- I DUAL LEVEL OCCUPANCY SENSOR, 46" UON, PROVIDE LT (LOW TEMPERATURE) RATING FOR DAMP LOCATIONS.
- ⊕ ⊖ JUNCTION BOX, SIZE, TYPE AND PLATE AS REQUIRED
- ⊠ EXHAUST FAN, N.I.E.S. PROVIDE CONNECTION AS REQUIRED.
- ▨ SWITCHBOARD, SEE ONE LINE DIAGRAM
- BRANCH CIRCUIT PANEL, SEE PANEL SCHEDULES
- SIGNAL OR CONTROL PANEL, TYPE AS INDICATED
- ⬡ IDENTIFICATION TAG FOR EQUIPMENT PROVIDED BY OTHERS. CONNECT EQUIPMENT AS INDICATED OR AS REQUIRED.
- ⬢ NUMBERED NOTE TAG - SEE NUMBERED NOTES, SAME SHEET
- ⓐ ⓔ INDICATES DETAIL "A" AT SHEET "E"

## ABBREVIATIONS LIST

A	AMPERE	MSB	MAIN SWITCHBOARD
AC	ALTERNATING CURRENT	N.I.E.S.	NOT IN ELECTRICAL SCOPE OF WORK
AMP	AMPERE	(N)	NEW
AF	AMPERE FUSE	NEUT.	NEUTRAL
APC	AVAILABLE FAULT CURRENT	NTS	NOT TO SCALE
AFF.	ABOVE FINISHED FLOOR	PH	PHASE
AIC	AMPS INTERRUPT CAPACITY	PRI.	PRIMARY
AL	ALUMINUM	PVC	POLYVINYL CHLORIDE
AS	AMPERE SWITCH	CONDUIT	CONDUIT
B.C.	BARE COPPER	(R)	EXISTING TO BE RELOCATED
BLDG.	BUILDING	(RR)	REMOVE AND REPLACE
C.	CONDUIT	RLA	RUNNING LOAD AMPERES
C.O.	CONDUIT ONLY, WITH FULL LINE	SCCR	SHORT CIRCUIT CURRENT RATING
CU	COPPER	SEC.	SECONDARY
(E)	EXISTING TO REMAIN	TTB	TELEPHONE TERMINAL BOARD
(ER)	EXISTING RELOCATED	TYP.	TYPICAL
EMT	ELECTRICAL METALLIC TUBING	UG	UNDERGROUND
FLA	FULL LOAD AMPERES	UON	UNLESS OTHERWISE NOTED
G	GROUND	V	VOLTS
GND	GROUND	W	WIRE
H.I.D.	HIGH INTENSITY DISCHARGE	WP	WEATHERPROOF WHILE IN USE
HP	HORSE POWER	W/	WITH
J-BOX	JUNCTION BOX	XFRM	TRANSFORMER
KVA	KILO VOLT AMP	φ	PHASE
MH	METAL HALIDE		

## WIRE AND CONDUIT LEGEND

	METALLIC CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING. RUNS LONGER THAN 50' SHALL INCLUDE EXPANSION FITTING(S).
	CONDUIT RUN UNDERFLOOR OR UNDERGROUND. PVC RUNS LONGER THAN 20' SHALL INCLUDE EXPANSION FITTING(S).
	CIRCUIT HOME RUN
	FLEXIBLE METALLIC CONDUIT
	FACTORY WHIP
	NO CROSSBARS ON CONDUIT INDICATE 1/2" METALLIC CONDUIT WITH TWO #2 AWG THIN/THIN-2 CONDUCTORS & ONE #2 AWG THIN/THIN-2 GND. CROSSBARS INDICATE NUMBER OF #2 AWG THIN/THIN-2 CONDUCTORS IN CONDUIT IN ADDITION TO #2 AWG THIN/THIN-2 GND. CONDUCTOR SIZE OTHER THAN #2 NOTED ON DRAWING.
	CONDUCTORS AND CONDUIT TO BE REMOVED, UON.
	CONDUIT UP.
	EXAMPLE: THREE CIRCUITS IN HOME RUN - FOUR #10 AWG THIN/THIN-2 CONDUCTORS AND ONE #10 AWG THIN/THIN-2 GROUNDING CONDUCTOR IN 3/4" METALLIC CONDUIT.



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PROJECT:

Cottage Pool  
Facility

RESTROOM  
ACCESSIBILITY  
ALTERATIONS

3709 Cottage Way  
Sacramento, California

OWNER:

Fulton-EI Camino Recreation  
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PROFESSIONAL SEALS:



Date Signed: February 21, 2019

PROJECT NUMBER: 18-045 PROJECT DATE: 12-21-2018

SHEET CONTENTS:

NOTES  
SCHEDULES  
SYMBOLS

SHEET NUMBER:

E0.1



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STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE  
Indoor Lighting  
Project Name: Cottage Pool Facility - Restroom Accessibility Alterations  
Date Prepared: 2/15/19

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance  
April 2016

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RESTROOM ACCESSIBILITY ALTERATIONS

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SHEET CONTENTS:

INTERIOR LIGHTING COMPLIANCE FORMS

SHEET NUMBER:

E0.2





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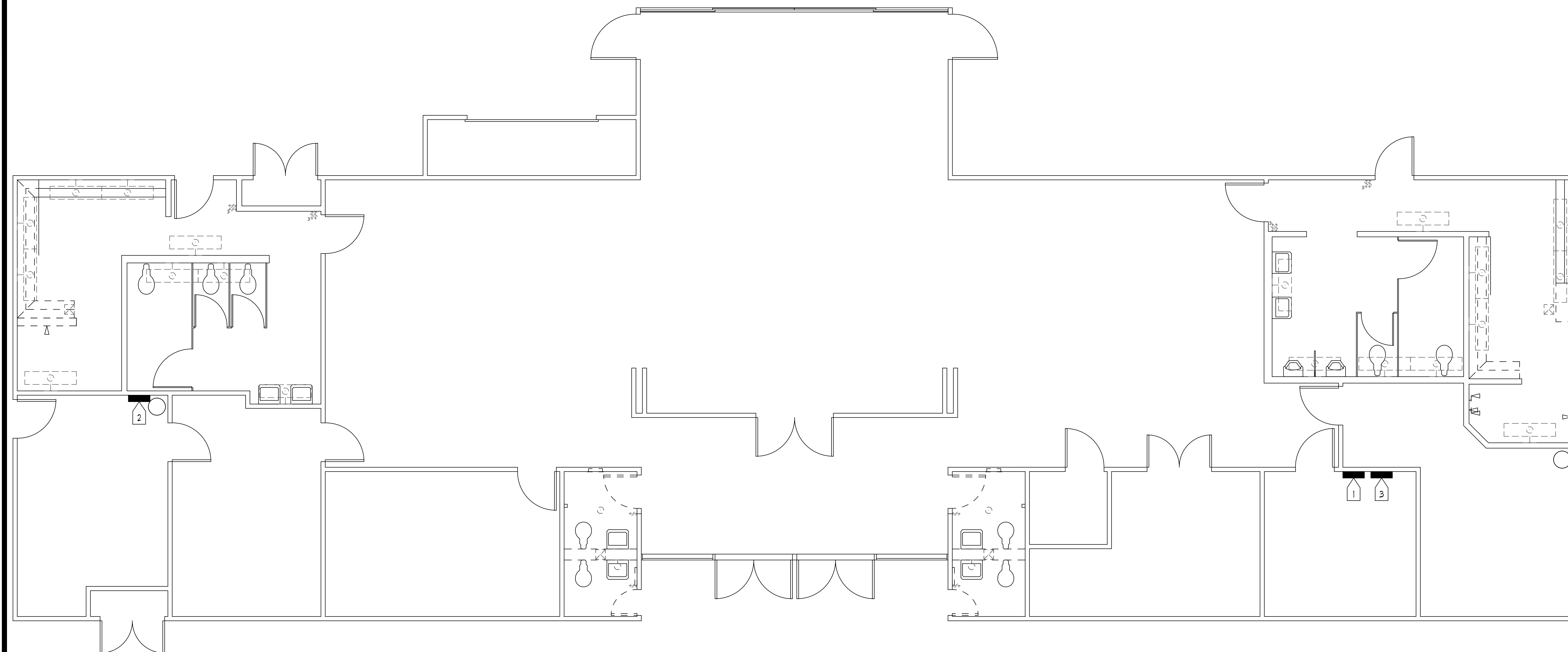
PROJECT NUMBER: **18-045** PROJECT DATE: **12-21-2018**

SHEET CONTENTS:

**ELECTRICAL  
DEMOLITION  
PLAN**

SHEET NUMBER:

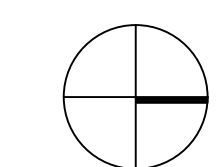
**E3.0**



**ELECTRICAL DEMOLITION PLAN**

SCALE: 1/4"=10"

**A  
E3.0**



**DEMOLITION NOTES**

1. COORDINATE DEMOLITION WORK WITH ARCHITECTURAL DRAWINGS.
2. DRAWINGS AND NOTES ARE FOR REFERENCE ONLY, AND DO NOT NECESSARILY DESCRIBE THE FULL EXTENT OF ALL DEMOLITION REQUIRED. THE CONTRACTOR SHALL COORDINATE THEIR WORK BETWEEN THE NEW FLOOR PLANS AND DEMOLITION PLANS FOR COMPLETE REMOVAL OR RELOCATION OF ALL EXISTING WORK THAT IS NECESSARY TO ALLOW THE PLACEMENT OF NEW WORK.
3. MAINTAIN POWER TO EXISTING FIXTURES AND DEVICES NOT REMOVED BY DEMOLITION WORK.
4. REMOVE ALL ABANDONED CONDUIT & WIRING.
5. REMOVE EQUIPMENT AT WALLS AND CEILINGS BEING REMOVED. REMOVE RACEWAYS BACK TO LAST ACTIVE REMAINING OUTLET OR AS NOTED. DISCONNECT MISCELLANEOUS EQUIPMENT BEING REMOVED.
6. WHEREVER ELECTRICAL DEVICES, CONDUITS, CABLES, ETC. CONFLICT WITH NEW CONSTRUCTION, WHETHER SHOWN OR NOT, THE CONTRACTOR MUST RELOCATE THESE ITEMS AND KEEP IN OPERATING CONDITION.
7. CHECK BALLASTS FOR PCBs BEFORE DISPOSING. PROPERLY DISPOSE OF LAMPS AND BALLASTS. PAY ALL ASSOCIATED FEES.
8. SEAL OPENINGS AND PATCH SURFACES, RESTORING TO MATCH SURROUNDING SURFACES.
9. TYPICAL UNLESS OTHERWISE NOTED, ITEMS SHOWN SOLID ARE (E) TO REMAIN. MAINTAIN CIRCUIT CONTINUITY.
10. TYPICAL UNLESS OTHERWISE NOTED (E) ITEMS SHOWN DASHED SHALL BE REMOVED, INCLUDING OUTLET BOX, CONDUIT AND WIRE.

**NUMBERED NOTES**

- 1 > PANEL 'A' TO REMAIN
- 2 > PANEL 'B' TO REMAIN
- 3 > PANEL 'AC' TO REMAIN



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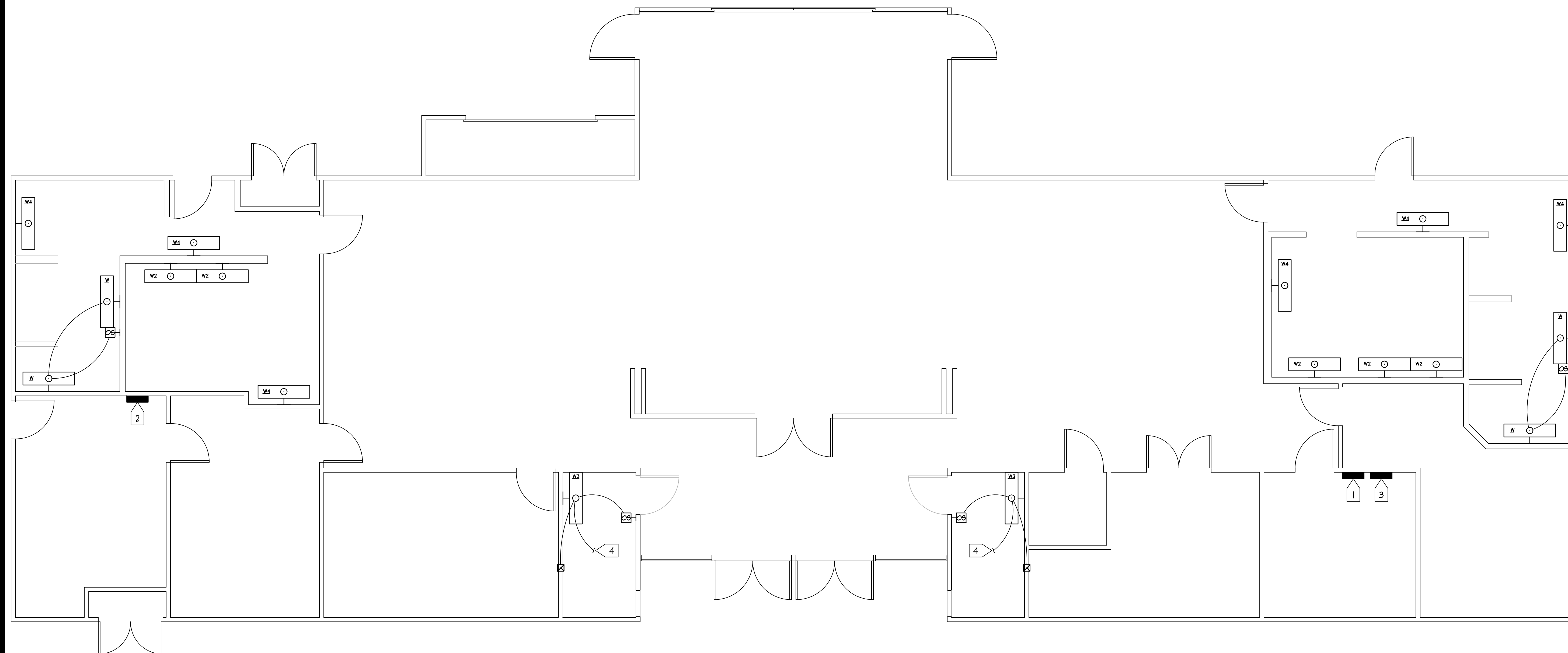
PROJECT NUMBER: **18-045** PROJECT DATE: **12-21-2018**

SHEET CONTENTS:

**ELECTRICAL  
PLAN**

SHEET NUMBER:

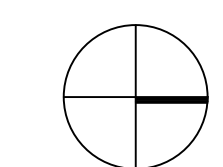
**E3.1**



**LIGHTING PLAN**

SCALE: 1/4"=10"

A  
E3.1



**LIGHTING NOTES**

- LAMP COLOR SHALL BE COORDINATED BETWEEN ALL FIXTURES SUPPLIED. COLOR OF ALL NEW LAMPS SUPPLIED SHALL BE COORDINATED WITH (E) BUILDING STANDARD IF ANY.
- COORDINATE DIMMING SWITCH SELECTION AND WIRING REQUIREMENTS WITH DIMMING BALLAST OR LED DRIVER.
- ALL LIGHTING CIRCUITS SHALL RUN BACK TO PANEL VIA 'LCP'. PROVIDE UNSWITCHED HOT CONDUCTOR FOR BATTERY BALLASTS, EXIT SIGNS, AND NIGHT LIGHTS.
- THE EXACT MOUNTING LOCATION FOR ALL LIGHT FIXTURES SHALL BE DETERMINED FROM THE ARCHITECTURAL PLANS.
- THE ELECTRICAL TRADE SHALL BE RESPONSIBLE FOR VERIFYING THE CEILING CONDITIONS AND TYPE OF FIXTURE MOUNTING REQUIRED PRIOR TO ORDERING FIXTURES. DETERMINATION SHALL BE MADE FROM THE ARCHITECTURAL PLANS.
- INSTALL LUMINARIES ON (E) CIRCUIT AT LOCATIONS OF REMOVED FIXTURES EXCEPT WHERE NEW WIRING IS SHOWN. MATCH (E) FIXTURE HEIGHT. NET LOAD REDUCTION IN EACH CASE.

**NUMBERED NOTES**

- (E) PANEL 'A'
- (E) PANEL 'B'
- (E) PANEL 'AC'
- TO (E) LIGHTING CIRCUIT FOR THIS ROOM.

