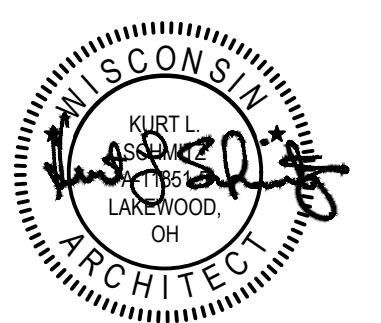


# CLUB CHAMPION GOLF

6629 MINERAL POINT RD.

MADISON, WI 53705



## GENERAL NOTES

- ALL FINISHES TO BE AS NOTED AND SHALL NOT HAVE SMOKE DEVELOPED RATINGS GREATER THAN 450.
- INTERIOR FINISHES OF WALLS AND CEILINGS IN ALL ROOMS OR ENCLOSED SPACES SHALL HAVE A CLASS C FLAME SPREAD INDEX 76-200; SMOKE DEVELOPED INDEX 0-450. INTERIOR FINISHES OF EXIT ENCLOSURES AND EXIT PASSAGEWAYS SHALL HAVE A CLASS B FLAME SPREAD INDEX 26-75; SMOKE DEVELOPED INDEX 0-450. ASTM E 84. IFC TABLE 803.3.
- MATERIALS USED AS INTERIOR TRIM SHALL HAVE A MINIMUM CLASS C FLAME SPREAD AND SMOKE DEVELOPED INDEX AND SHALL COMPLY WITH ASTM E 84. COMBUSTIBLE TRIM SHALL NOT EXCEED 10% OF THE AGGREGATE WALL OR CLG. AREA IN WHICH IT IS LOCATED. IFC 804
- INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH NFPA 286 TESTING MEASURES. INTERIOR FLOOR FINISHES SHALL COMPLY WITH NFPA 253 WITH A CLASS 2 CRITICAL RADIANT FLUX > 0.22 WATTS / CM2. FLOOR FINISHES IN EXIT / ACCESS CORRIDORS SHALL BE CLASS 1 CRITICAL RADIANT FLUX > 0.45 WATTS / CM2.
- INTERIOR FINISH MATERIALS SHALL BE APPLIED SO THAT THEY WILL NOT BECOME READILY DETACHED WHERE SUBJECTED TO 200 DEGREES F. FOR NOT LESS THAN 30 MINUTES. IFC 803.2.
- THE REQUIRED FLAME SPREAD OR SMOKE DEVELOPED INDEX OF SURFACES IN EXISTING BUILDINGS MAY BE ACHIEVED BY APPLICATION OF APPROVED FIRE RETARDANT COATINGS AND SHALL COMPLY WITH NFPA 703. IFC 803.4.
- FIRE EXTINGUISHERS SHALL BE LOCATED AT THE DIRECTION OF THE FIRE DEPARTMENT, PROVIDED & INSTALLED BY G.C.
- AT THE TIME OF SUBMITTING A BID, THE CONTRACTOR IS TO HAVE CONFIRMED ALL FIELD MEASUREMENTS AND HAVE REVIEWED ALL FIELD CONDITIONS.
- G.C. SHALL VERIFY ALL RELEVANT DIMENSIONS, ELEVATIONS, ANGLES, AND EXISTING CONDITIONS BEFORE PROCEEDING WITH THE AFFECTED WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY. ALL DISCREPANCIES SHALL BE RESOLVED PRIOR TO CONTRACTOR PROCEEDING WITH AFFECTED WORK.
- THE CONTRACT WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, TOOLS, LABOR AND SERVICES NECESSARY FOR COMPLETION OF THE PROJECT.
- THE G.C. SHALL PERFORM ALL WORK IN CONFORMITY WITH THOSE LAWS HAVING JURISDICTION WHETHER OR NOT SUCH WORK IS SPECIFICALLY SHOWN ON THESE DRAWINGS, INCLUDING ALL SEISMIC REQUIREMENTS. THE G.C. SHALL PROCURE AND PAY FOR ALL NECESSARY BUILDING PERMITS AND SHALL BE REIMBURSED FOR GENERAL BUILDING PERMIT COSTS BY OWNER. BUSINESS LICENSE COSTS ARE NOT REIMBURSABLE.
- THE G.C. SHALL BE RESPONSIBLE FOR THE QUALITY OF WORKMANSHIP AND FOR COMPLIANCE WITH THE DESIGN. THE G.C. SHALL CORRECT ALL ERRORS AND DEVIATIONS AS REQUESTED BY THE OWNER.
- THE G.C. SHALL CONTACT THE OWNER / TENANT IMMEDIATELY IF THEY ENCOUNTER ANY HAZARDOUS MATERIALS
- THE G.C. SHALL ESTABLISH CONTROL LINES 2'-0" O.C. FROM ALL COLUMNS. LINES TO BE PERMANENT AND RE-ESTABLISHED DURING CONSTRUCTION AS NEEDED.
- EXACT LOCATIONS OF PIPING, DUCTWORK, CONDUIT AND FIXTURES SHALL BE COORDINATED BETWEEN CONTRACTORS AND SUBCONTRACTORS TO AVOID INTERFERENCE.
- AFTER COMPLETION OF THE WORK, PARTS OF THE BUILDING SHALL BE CLEANED WHERE EVER SUCH CLEANING IS REQUIRED, INCLUDING AREAS OF THE BUILDING MADE DIRTY BY CONSTRUCTION WORK. THE G.C. SHALL REMOVE FROM THE PREMISES TRASH, RUBBISH, TOOLS, EQUIPMENT AND EXCESS MATERIALS. THE BUILDING IS TO BE LEFT IN PERFECTLY CLEAN CONDITION.
- ALL ELECTRICAL WORK SHALL CONFORM TO LOCAL CODES, THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, & NFPA 72.
- EACH CONTRACTOR SHALL COORDINATE ARCHITECTURAL DRAWINGS WITH THE PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS AND ALL SPECIFICATIONS BEFORE PROCEEDING WITH THE WORK AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS IMMEDIATELY. ALL DISCREPANCIES SHALL BE RESOLVED PRIOR TO THE CONTRACTOR PROCEEDING WITH AFFECTED WORK.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR QUALITY OF ALL REFURBISHED MATERIALS. ALL REFURBISHED MATERIALS TO APPEAR NEW.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT, INCLUDING ANY AND ALL OSHA REQUIREMENTS, UNLESS CONTRACT DOCUMENTS GIVE OTHER SPECIFIC INSTRUCTIONS CONCERNING THESE MATTERS.
- ANY ALTERATIONS, ADDITIONS, DRILLING, WELDING OR OTHER ATTACHMENT OR REINFORCEMENTS TO LANDLORD'S STRUCTURE TO ACCOMMODATE TENANT'S WORK SHALL NOT BE PERFORMED WITHOUT, IN EACH INSTANCE, GENERAL CONTRACTOR OBTAINING LANDLORD'S PRIOR WRITTEN APPROVAL, AND THIS CONTRACTOR SHALL LEAVE LANDLORD'S STRUCTURE AS STRONG AS, OR STRONGER THAN, THE ORIGINAL DESIGN AND WITH FINISHES UNIMPAIRED. ONLY UTILIZE LANDLORD'S DESIGNATED ROOFING CONTRACTOR FOR ALL ROOF PENETRATIONS, FLASHING AND COUNTER FLASHING.
- SPRINKLER SYSTEM DESIGN AND / OR LAYOUT MODIFICATION, (IF APPLICABLE) TO BE PROVIDED BY THE DESIGNATED SPRINKLER SUBCONTRACTOR AND ALL SUBMISSIONS TO THE FIRE MARSHAL AND BUILDING INSPECTOR FOR THE NECESSARY APPROVAL ARE THE RESPONSIBILITY OF THE SPRINKLER SUBCONTRACTOR. GENERAL CONTRACTOR TO VERIFY WITH THE LANDLORD OR LANDLORD'S CRITERIA IF SPRINKLER CONTRACTOR IS TO BE LANDLORD'S APPROVED OR DESIGNATED CONTRACTOR. APPROVALS BY LANDLORD, LANDLORD'S INSURANCE UNDERWRITER, THE BUILDING INSPECTOR AND FIRE MARSHAL WILL BE REQUIRED.
- SIGNAGE PERMITTING DRAWINGS TO BE SUBMITTED SEPARATELY. ALL SIGNAGE TO COMPLY WITH LANDLORD TENANT CRITERIA AND STATE/LOCAL CODES. COORDINATE WITH SIGNAGE VENDOR FOR ANY SPECIFIC CRITERIA TO BE USED.

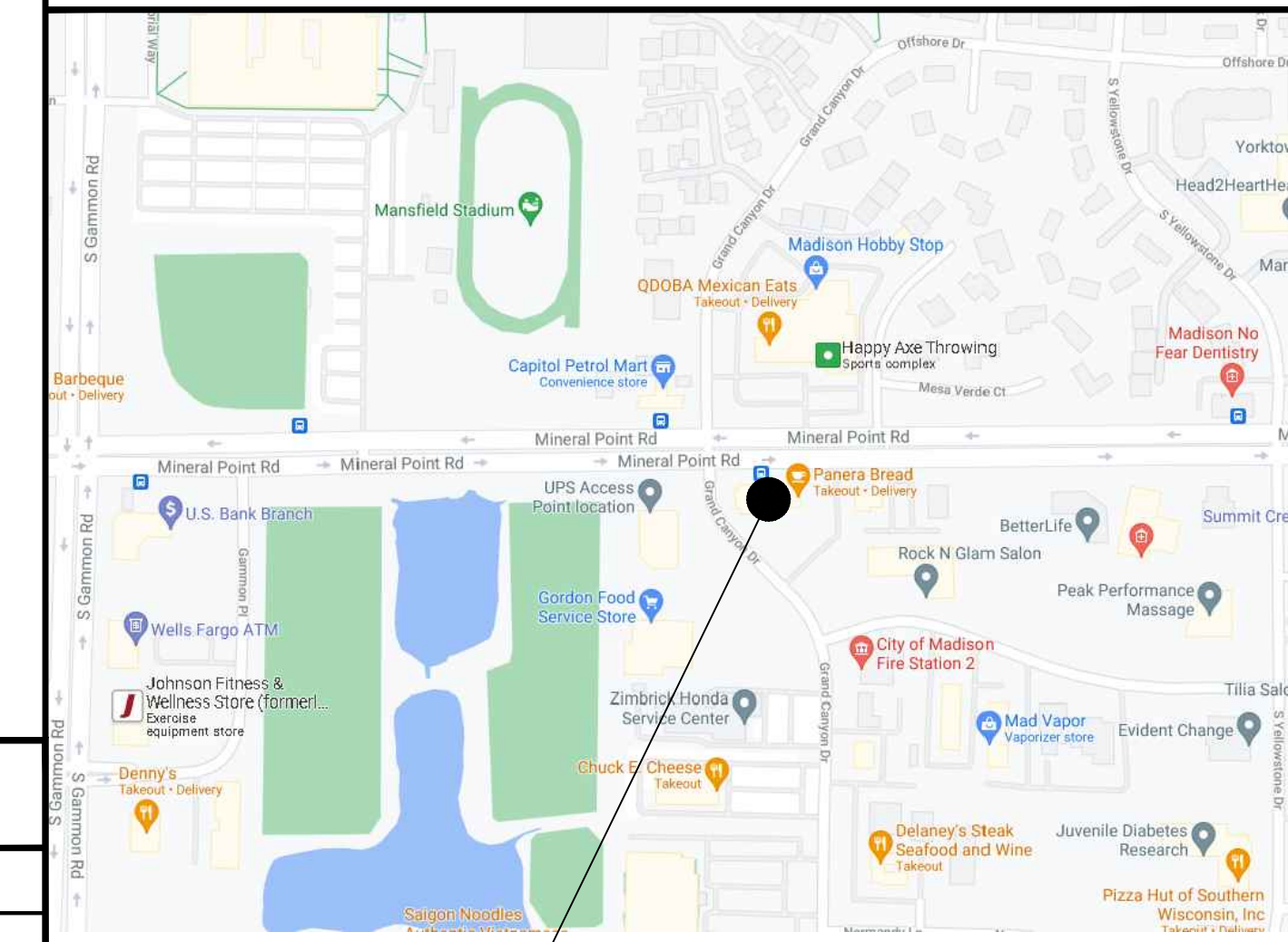
## CODE AND BUILDING DATA

- PROJECT SCOPE:**  
INTERIOR BUILD OUT OF AN EXISTING TENANT SPACE. INTERIOR ALTERATIONS INCLUDING: NEW PUTTING GREEN, (3) NEW SWING ROOMS, NEW WORK ROOM, NEW BREAK AREA AND (2) NEW RESTROOMS. NEW EXTERIOR SIGNAGE (UNDER A SEPARATE PERMIT).
- DEFERRED SUBMITTALS:**  
- EXTERIOR SIGNAGE  
- FIRE SUPPRESSION SYSTEM  
- FIRE ALARM SYSTEM
- APPLICABLE CODES:**  
BUILDING CODE: 2015 INTERNATIONAL BUILDING CODE  
ENERGY CODE: 2015 ICC ENERGY CONSERVATION CODE  
MECHANICAL CODE: 2015 INTERNATIONAL MECHANICAL CODE  
ELECTRICAL CODE: 2017 NATIONAL ELECTRICAL CODE  
PLUMBING CODE: 2015 INTERNATIONAL PLUMBING CODE  
FIRE CODE: 2015 INTERNATIONAL FIRE CODE  
ACCESSIBILITY: 2010 ADA STANDARDS
- USE and OCCUPANCY CLASSIFICATION:**  
M - MERCANTILE  
CLUB CHAMPION GOLF IS A SERVICE ORIENTED RETAILER THAT SPECIALIZES IN ANALYZING GOLF SWINGS AND PROVIDING CUSTOM FITTED CLUBS. SERVICES ARE PROVIDED TO CLIENTS BY APPOINTMENT AND WALK-IN TRAFFIC IS ATYPICAL.  
GOLF CLUBS ARE CUSTOM FABRICATED AT AN OFF-SITE MANUFACTURING FACILITY AND DELIVERED TO INDIVIDUAL LOCATIONS WHERE MINOR MODIFICATIONS CAN BE PROVIDED ON SITE AS REQUIRED.
- CONSTRUCTION CLASSIFICATION (TYPE):**  
IIB - FULLY SPRINKLERED  
• EXISTING CUMMETAL STUD EXTERIOR WALLS  
• EXISTING CONCRETE SLAB ON GRADE FLOOR  
• EXISTING STEEL STRUCTURE WITH STEEL DECK
- FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS):**  
STRUCTURAL FRAME: 0 HOURS INTERIOR NONBEARING WALLS: 0 HOURS  
EXTERIOR BEARING WALLS: 0 HOURS FLOOR CONSTRUCTION: 0 HOURS  
INTERIOR BEARING WALLS / COLUMNS: 0 HOURS ROOF CONSTRUCTION: 0 HOURS
- ALLOWABLE BUILDING AREAS:**  
ALLOWABLE AREA: 92,000 SQ. FT.  
TOTAL LEASABLE AREA: 3,330 SQ. FT.
- OCCUPANT LOAD:**  
GROSS LEASABLE AREA: 3,330 SQ. FT.  
FUNCTION OF SPACE: FLR. AREA / OCC. CALCULATION ALLOWABLE  
M - SALES 60 GROSS 3,330 SQ. FT. (INTERIOR AREA) / 60 = 56 OCCUPANTS
- NOTE: ANTICIPATED OCCUPANCY IN THE STORE AT ANY GIVEN TIME IS NOT TO EXCEED 7 OCCUPANTS BASED ON HISTORICAL DATA PROVIDED BY TENANT
- EGRESS REQUIREMENTS:**  
REQUIRED EGRESS WIDTH: 56 OCC. X 0.2 = 11.2" MIN. (PER IBC 1005.3.2)  
PROVIDED EGRESS WIDTH: (1) STOREFRONT DOOR @ 72", (1) STOREFRONT DOOR @ 36" = 108"  
REQUIRED EXIT ACCESS TRAVEL DISTANCE: 100' MAX  
PROVIDED EXIT ACCESS TRAVEL DISTANCE: LESS THAN 100'  
MIN. NUMBER OF EXITS REQUIRED / PROVIDED: 2 EXITS REQUIRED (PER IBC TABLE 1006.2.1) = 2 EXITS PROVIDED
- PLUMBING FIXTURE REQUIREMENTS:**
- | PLUMBING FIXTURE    | CALCULATION              | REQUIRED | PROVIDED |
|---------------------|--------------------------|----------|----------|
| WATER CLOSETS:      | 1 PER 500 OCC.           | 1        | 1        |
| LAVATORIES:         | 1 PER 750 OCC.           | 1        | 1        |
| DRINKING FOUNTAINS: | 1 PER 1,000 OCC.         | 1        | 1        |
| MOP SINK:           | 1 SERVICE SINK/USE GROUP | 1        | 1        |

## LIST OF DRAWINGS

SHEET NO.	DRAWING NAME	ISSUE DATE	REVISION DATE
<b>PROJECT ORIENTATION</b>			
A0.0	COVER SHEET	06/01/21	
<b>ARCHITECTURAL</b>			
D1.0	DEMOLITION PLAN	06/01/21	
A1.1	FLOOR PLAN	06/01/21	
A1.2	FINISH PLAN	06/01/21	
A2.0	REFLECTED CEILING PLAN	06/01/21	
A4.0	SECTIONS & DETAILS	06/01/21	
A4.1	WALL TYPES & DETAILS	06/01/21	
A5.0	REFERENCE IMAGES	06/01/21	
<b>MECHANICAL / PLUMBING</b>			
M1.0	MECHANICAL PLAN	06/01/21	
M2.0	MECHANICAL SCHEDULES & DETAILS	06/01/21	
M3.0	MECHANICAL SPECIFICATIONS	06/01/21	
<b>ELECTRICAL</b>			
E1.0	LIGHTING PLAN	06/01/21	
E2.0	POWER PLAN	06/01/21	
E3.0	ONE LINE DIAGRAM & DETAILS	06/01/21	
P1.0	PLUMBING PLAN	06/01/21	
P2.0	PLUMBING DETAILS	06/01/21	
FP1.0	FIRE PROTECTION PLAN	06/01/21	

## SITE VICINITY MAP



PROJECT LOCATION



## PROJECT DIRECTORY

BUILDING DEPARTMENT	TENANT	ARCHITECT CONTACT	E ENGINEER CONTACT	M/P ENGINEER CONTACT
MADISON BUILDING DEPARTMENT 123 SOUTH 2ND ST. DELAVAN, WI 53115 TELEPHONE: (262) 728-5585 x119	CLUB CHAMPION GOLF 600 CENTRAL AVENUE, SUITE 390 HIGHLAND PARK, IL 60035  CONTACT: DAVID STEELE T: (239) 287-7093 EMAIL: david.steele@clubchampiongolf.com	ADA ARCHITECTS, INC. 17710 DETROIT AVE. CLEVELAND, OH 44107 CLIENT MANAGER: BRYAN MATTHEWS PROJECT MANAGER: BRYAN MATTHEWS T: (216) 521-5134 F: (216) 521-4824 EMAIL: bmatthews@adaarchitects.cc	ADA ARCHITECTS, INC. 17710 DETROIT AVE. CLEVELAND, OH 44107 CLIENT MANAGER: BRIAN SCHULER  T: (216) 521-5134 F: (216) 521-4824 EMAIL: bschuler@adaarchitects.cc	POINT ONE DESIGN 9941 YORK THETA DRIVE NORTH ROYALTON, OH 44133  CONTACT: KEVIN HERBERT T: (440) 230-1800 F: (440) 230-1831 EMAIL: kherbert@pointonedesign.com

**KLS ARCHITECT**

Kurt L. Schmitz, Architect  
17710 Detroit Avenue, Lakewood, Ohio 44107  
Phone (216) 521-5134 • Fax (216) 521-4824 • www.adaarchitects.cc

**CLUB CHAMPION GOLF**

MADISON, WI 53705

6629 MINERAL POINT RD.

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## REVISIONS

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COVER SHEET

DATE 06/01/21  
JOB NO. 21140

**A0.0**

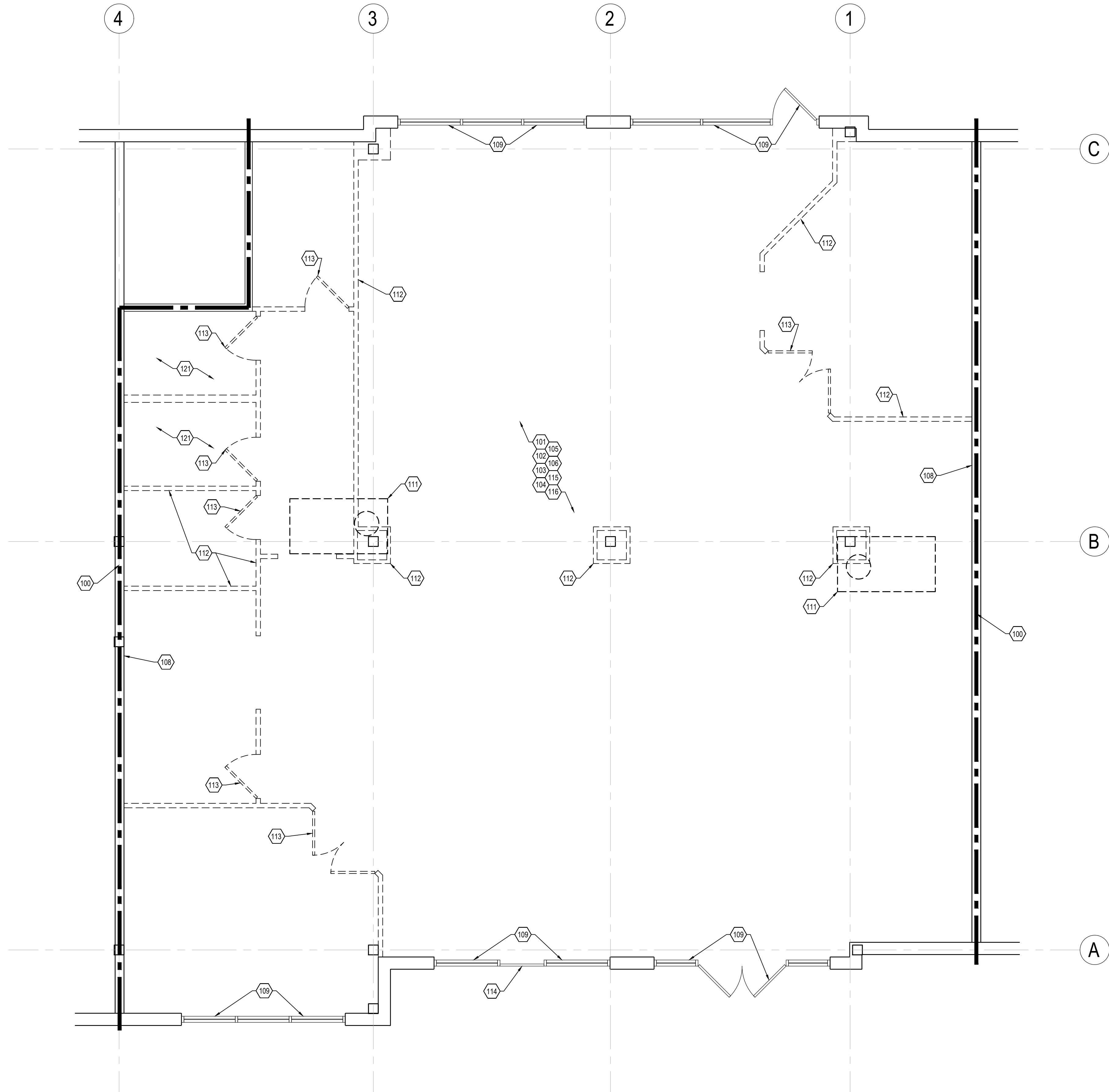
SHEET NO.

100 SERIES DEMOLITION KEY NOTES

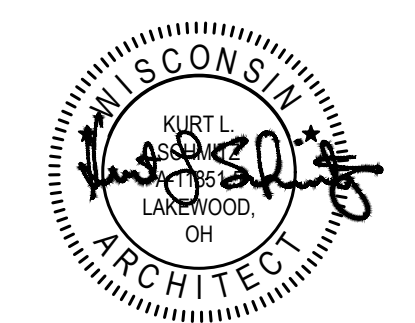
- 100. APPROXIMATE LOCATION OF LEASE LINE (LOCATED AT CENTERLINE OF EXISTING DEMISING WALL.)
- 101. REMOVE ALL EXISTING FLOOR FINISHES. PATCH AND REPAIR ANY DAMAGED SECTION OF CONCRETE SLAB. PREPARE SLAB TO RECEIVE SCHEDULED FINISHES (TYPICAL THROUGHOUT CCG SPACE UNLESS NOTED OTHERWISE).
- 102. ALL DIMENSIONS TO BE FIELD VERIFIED AFTER DEMOLITION HAS BEEN COMPLETED. NOTIFY CCG IMMEDIATELY OF ANY DISCREPANCIES. G.C. IS REQUIRED TO VISIT PROJECT SITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO BID.
- 103. REMOVE ABANDONED ELECTRICAL EQUIPMENT NOT TO BE RE-USED, INCLUDING BUT NOT LIMITED TO, JUNCTION BOXES, CONDUIT, WIRING, ETC. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTE (TYPICAL THROUGHOUT SPACE).
- 104. ALL REMAINING OUTLETS, DRAINS, HOLES, ETC. IN THE FLOOR SHALL BE COMPLETELY CUT OUT AND CONCRETE REPLACED. CONCRETE SLAB INFILL AREAS OVER 12"x12" TO BE DOWELED INTO EXISTING ADJACENT SLAB. REFER TO DETAILS 2 & 3/4.1 AND SHEET A0.0 FOR ADDITIONAL INFORMATION.
- 105. REMOVE FIXTURES (FIXED OR FREE-STANDING) THROUGHOUT THE SPACE.
- 106. REMOVE ALL ABANDONED EQUIPMENT IN CCG SPACE.
- 107. NOT USED.
- 108. EXISTING DEMISING WALL TO REMAIN. G.C. TO PROTECT DURING CONSTRUCTION. SEE SHEET A1.1 FOR ADDITIONAL INFORMATION.
- 109. EXISTING STOREFRONT SYSTEM & DOOR TO REMAIN. PROTECT AS REQUIRED DURING CONSTRUCTION.
- 110. NOT USED.
- 111. EXISTING ROOFTOP HVAC UNIT TO REMAIN. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 112. DASHED LINES INDICATE REMOVE WALL OR PARTIAL HEIGHT WALL COMPLETELY.
- 113. DASHED LINES INDICATE REMOVE DOOR AND ASSOCIATED FRAME COMPLETELY.
- 114. EXISTING STOREFRONT DOOR TO BE SECURED IN PLACE.
- 115. REMOVE GYP. BD & ACT CEILING COMPLETELY, INCLUDING BUT NOT LIMITED TO, LOOSE BATT INSULATION, ALL MECHANICAL DEVICES (DIFFUSERS, RETURN AIR GRILLES, ETC.) AND LIGHTING FIXTURES. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 116. REMOVE EXISTING LIGHTING THROUGHOUT CCG SPACE COMPLETELY.
- 117. NOT USED.
- 118. NOT USED.
- 119. NOT USED.
- 120. NOT USED.
- 121. REMOVE EXISTING PLUMBING FIXTURE. SEE PLUMBING DRAWINGS. PREP. AREA FOR NEW FINISHES.
- 122. NOT USED.

DEMO LEGEND

SYMBOL	DESCRIPTION
	EXISTING WALLS TO REMAIN
	EXISTING WALLS TO BE REMOVED
	EXISTING CONSTRUCTION TO BE REMOVED



**FLOOR PLAN**  
SCALE 1/4" = 1'-0"



**KLS ARCHITECT**  
Kurt L. Schmitz, Architect  
17710 Detroit Avenue, Lakewood, Ohio 44107  
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REVISIONS

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DEMOLITION PLAN

DATE 06/01/21

JOB NO. 21140

**D1.0**

SHEET NO.

HARDWARE GROUP	
GROUP #1	GROUP #2
NOTE: ALL HARDWARE LISTED TO BE SUPPLIED BY LISTED MANUFACTURER OR EQUAL.	NOTE: ALL HARDWARE LISTED TO BE SUPPLIED BY LISTED MANUFACTURER OR EQUAL.
BUTTS: 1 - 1/2 PAIR MCKINNEY MP 79, 4 1/2" x 4 1/2", 26D.	BUTTS: 1 - 1/2 PAIR HAGER ECBB1100, 4 1/2" x 4 1/2", US26D.
LATCH SET: FALCON 'PASSAGE' LEVER W101S-D-626	LATCH SET: FALCON 'PRIVACY' LEVER K301S-D-626
CLOSER: FALCON SC71 RW / PA-689 (MTD. ON INSIDE)	CLOSER: FALCON SC71 RW / PA-689 (MTD. ON INSIDE)
KICKPLATE: ROCKWOOD K1050 - 10x34 US32D	KICKPLATE: ROCKWOOD K1050 - 10x34 US32D
SILENCER: (3) ROCKWOOD 608-26D	SILENCER: (3) ROCKWOOD 608-26D
FLOOR STOP: ROCKWOOD 441-US26D DOME STOP	FLOOR STOP: ROCKWOOD 441H-US26D DOME STOP

DOOR SCHEDULE				
DOOR NO.	SIZE	DOOR/FRAME TYPE	HARDWARE GROUP	REMARKS
01	3'-0" x 7'-0" x 1 3/4"	A	1	
02	3'-0" x 7'-0" x 1 3/4"	A	2	UNDERCUT DOOR TO PROVIDE 1" CLEARANCE.
03	3'-0" x 7'-0" x 1 3/4"	A	2	UNDERCUT DOOR TO PROVIDE 1" CLEARANCE.
04	3'-0" x 7'-0" x 1 3/4"	A	1	
05	3'-0" x 7'-0" x 1 3/4"	A	1	

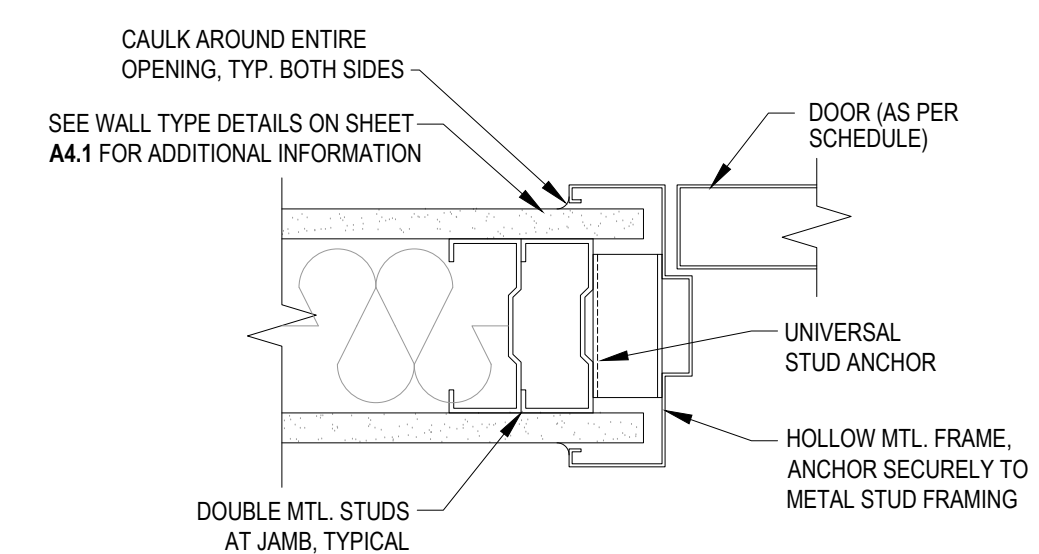
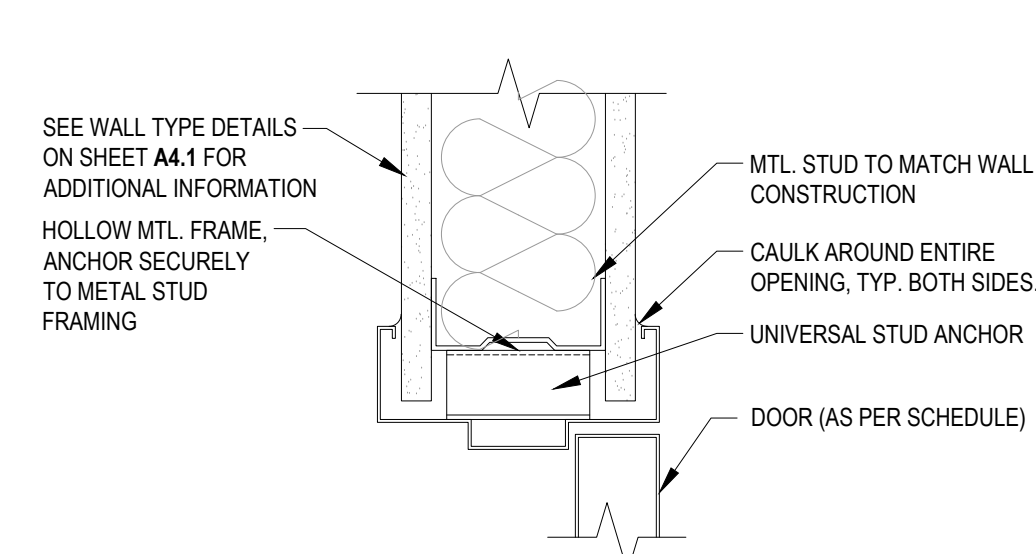
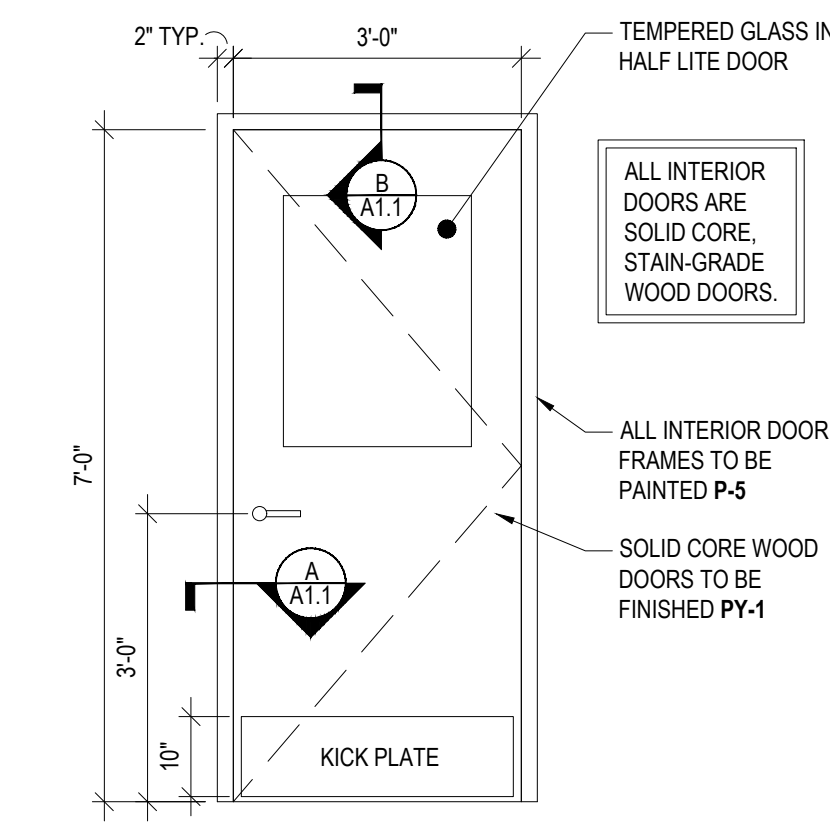
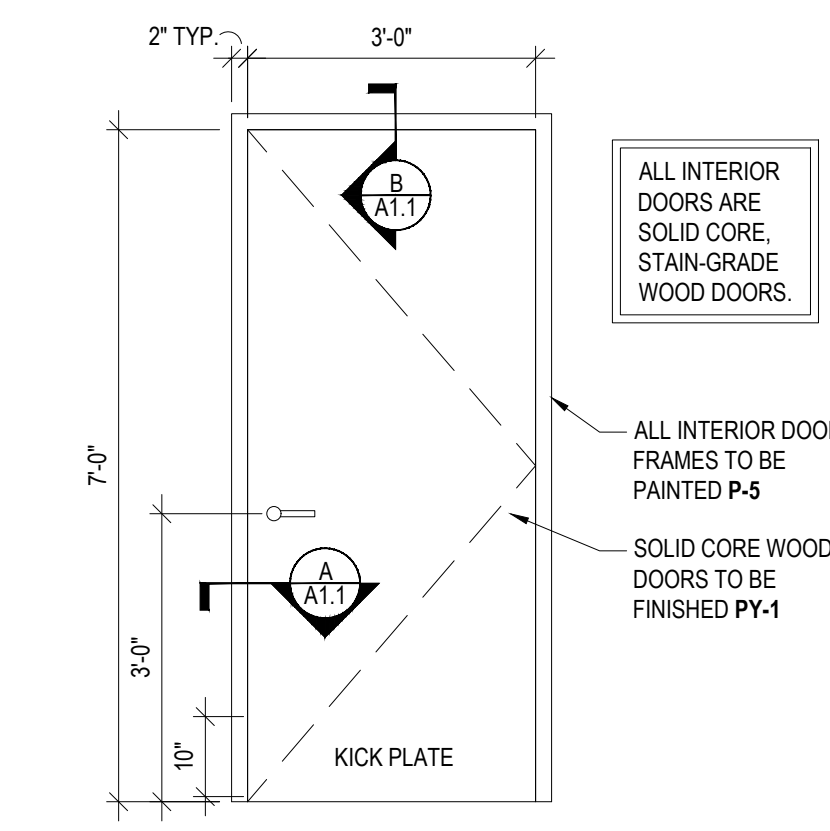
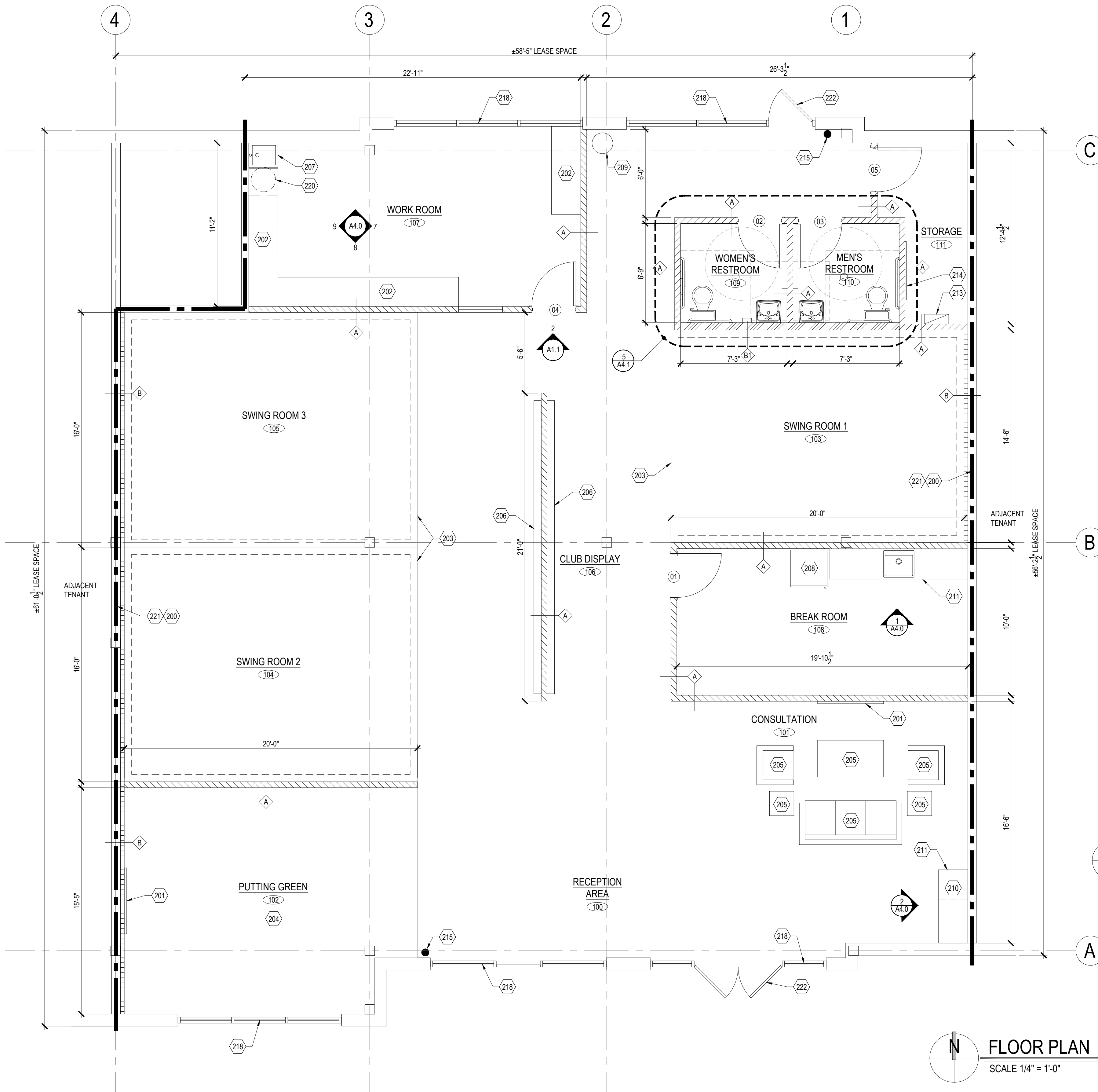
- DOOR SCHEDULE NOTES**
- ALL EXISTING/NEW DOORS AND HARDWARE SHALL COMPLY WITH CURRENT ANSI REGULATIONS.
  - PROVIDE A SIGN ABOVE ALL ENTRANCE DOOR STATING THAT "THIS DOOR IS TO REMAIN UNLOCKED DURING BUSINESS HOURS". LETTERS SHALL BE AT LEAST 1" IN HEIGHT AND SHALL BE WHITE ON A CONTRASTING BACKGROUND.
  - ALL EXTERIOR METAL DOORS SHALL BE 20 GA. MINIMUM.
  - ALL EXTERIOR DOOR FRAMES SHALL BE ALL WELDED 16 GA. MIN.
  - EXTERIOR DOORS & FRAMES TO BE PAINTED TO MATCH THE ADJ. FINISH ON THE EXTERIOR AND PAINTED P-5 ON THE INTERIOR. SEE FINISH SCHEDULE ON SHEET A1.2.

WALL LEGEND	
SYMBOL	DESCRIPTION
	EXIST. WALL TO REMAIN
	NEW WALL. SEE WALL TYPES, SHEET A4.1, FOR ADDITIONAL INFORMATION.
	WALL TYPE DESIGNATION. SEE SHEET A4.1 FOR ADDITIONAL INFORMATION.

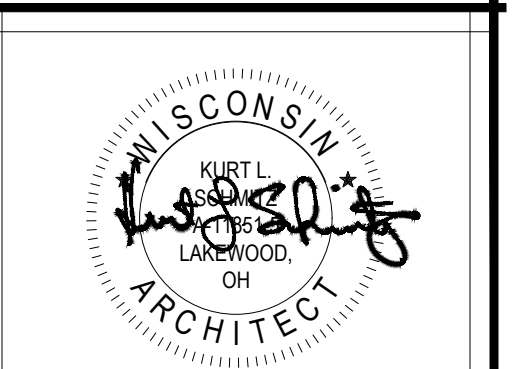
**NOTE:**  
 1. ALL WALLS BRACED TO STRUCTURE ABOVE @ 4'-0" O.C. MAX.  
 2. ALL WALLS TO BE PAINTED TO 6" ABOVE CEILING, TO UNDERSIDE OF DECK (IF CEILING IS OPEN TO STRUCTURE), AND BEHIND ALL WALL FIXTURES BY CONTRACTOR.

- GENERAL FLOOR PLAN NOTES**
- REFER TO GENERAL NOTES ON SHEET A0.0 FOR ADDITIONAL INFORMATION.
  - REFER TO ELECTRICAL DRAWINGS FOR ALL POWER AND DATA LOCATIONS AND SPECIFICATIONS.
  - FURNITURE AND EQUIPMENT IS INDICATED FOR INFORMATION ONLY. GENERAL CONTRACTOR SHALL COORDINATE FINAL LAYOUT AND MECHANICAL/ELECTRICAL ROUGH-IN AND CONNECTION REQUIREMENTS WITH TENANT (OR VENDOR) PRIOR TO FINAL INSTALLATION.
- 200 SERIES FLOOR PLAN KEY NOTES**
- LOCATION OF LEASE LINE AT CENTERLINE OF DEMISING WALL.
  - TELEVISION MONITOR PROVIDED AND INSTALLED BY TENANT. COORDINATE LOCATION / HEIGHT, POWER AND IN-WALL BLOCKING FOR WALL MOUNTING WITH TENANT. SEE DETAIL 11/A4.0 FOR ADDITIONAL INFORMATION.
  - BLACK LAMINATE WORK COUNTER PROVIDED AND INSTALLED BY G.C. PROVIDE BLOCKING AS REQUIRED. SEE DETAILS 7.8 & 9/A4.0 FOR ADDITIONAL INFORMATION.
  - SWING ROOM ENCLOSURE PROVIDED AND INSTALLED BY TENANT.
  - PUTTING GREEN PROVIDED AND INSTALLED BY TENANT. G.C. TO ENSURE FLOOR IS LEVEL IN AREA OF PUTTING GREEN. G.C. TO APPLY LEVELING COMPOUND AS REQUIRED.
  - FURNITURE PROVIDED AND INSTALLED BY TENANT.
  - CLUB DISPLAY PROVIDED AND INSTALLED BY TENANT. COORDINATE LOCATION OF OUTLETS, SWITCHES, EMERGENCY LIGHTING, FIRE ALARM SYSTEM DEVICES, ETC. AT CLUB DISPLAY LOCATION AS REQUIRED TO ENSURE NO CONFLICT EXISTS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - SERVICE SINK, APPROX. 20" X 24" LAUNDRY TUB WITH LEGS. PROVIDED AND INSTALLED BY CONTRACTOR. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
  - TENANT PROVIDED AND G.C. INSTALLED APPLIANCE. VERIFY UTILITY NEEDS FOR ELECTRICAL AND PLUMBING AS NECESSARY.
  - NEW WATER DISPENSER. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
  - UNDER COUNTER REFRIGERATOR FURNISHED BY TENANT. INSTALLED BY G.C.
  - NEW CASEWORK TO BE PROVIDED AND INSTALLED BY G.C. SEE SHEET A4.0 FOR ADDITIONAL INFORMATION.
  - NOT USED.
  - ELECTRICAL PANEL(S) AND EQUIPMENT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - FIRE RATED PLYWOOD TO HOUSE PHONE BOARD. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - ABC, CLASS 2A; 20BC (MIN.) WALL MOUNTED FIRE EXTINGUISHER PER CODE. FIRE EXTINGUISHERS LOCATED TO PROVIDE MAXIMUM FLOOR AREA PER UNIT OF 3,000 S.F. AND A MAXIMUM TRAVEL DISTANCE OF 75' AS SHOWN. CONTRACTOR TO VERIFY FINAL LOCATIONS WITH FIRE MARSHAL.
  - NOT USED.
  - NOT USED.
  - EXISTING STOREFRONT SYSTEM. PROTECT AS REQUIRED DURING CONSTRUCTION. G.C. TO ENSURE SYSTEM IS WEATHERTIGHT.
  - NOT USED.
  - HW MOUNTED ON SHELF ABOVE SERVICE SINK. SEE PLAN ON SHEET A2.0 FOR ADDITIONAL INFORMATION.
  - EXISTING DEMISING WALL. G.C. TO PROVIDE GB AND GB CONTROL JOINTS AT WALL TYPE B. PREP. TO RECEIVE FINISHES. SEE SHEET A1.2 FOR ADDITIONAL INFORMATION.
  - EXISTING STOREFRONT DOORS. PROTECT AS REQUIRED DURING CONSTRUCTION. G.C. TO ENSURE GOOD WORKING ORDER.

**NOTE:**  
 G.C. TO COORDINATE WITH TENANT FOR EXTENT OF RE-USE, REFURBISHMENT, REPLACEMENT OF DOOR HARDWARE ON EXISTING DOORS TO REMAIN.



**FLOOR PLAN**  
 SCALE 1/4" = 1'-0"

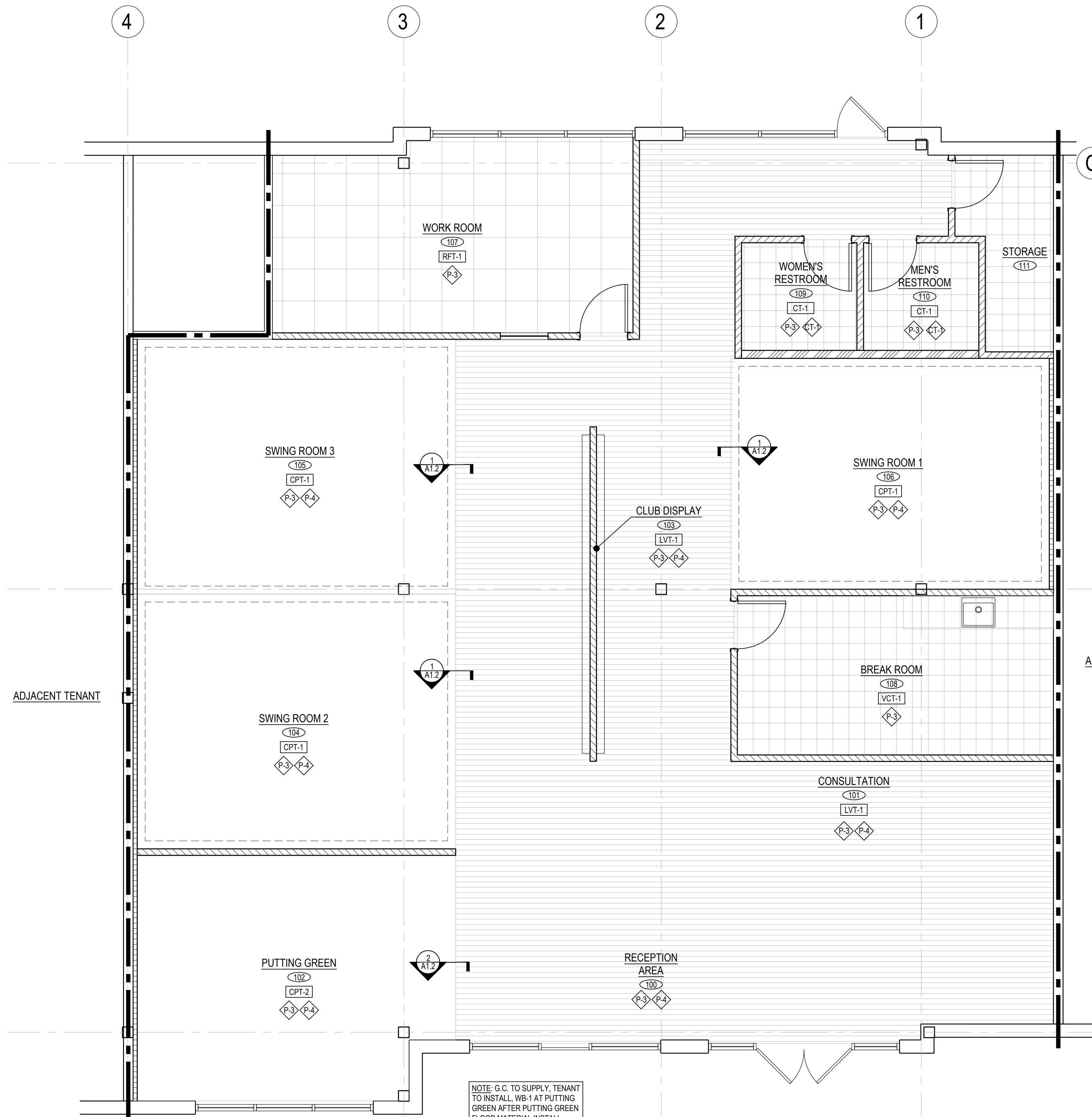


**KLS ARCHITECT**  
 Kurt L. Schmitz, Architect  
 17710 Detroit Avenue, Lakewood, Ohio 44107  
 Phone (216) 521-5134 • Fax (216) 521-8828 • www.klsarchitects.com

**CLUB CHAMPION GOLF**  
 MADISON, WI 53705  
 6629 MINERAL POINT RD.  
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**FLOOR PLAN**  
 DATE 06/01/21  
 JOB NO. 21140  
**A1.1**  
 SHEET NO.



NOTE: G.C. TO SUPPLY TENANT TO INSTALL WB-1 AT PUTTING GREEN AFTER PUTTING GREEN FLOOR MATERIAL INSTALL.

**FLOOR PLAN**  
SCALE 1/4" = 1'-0"

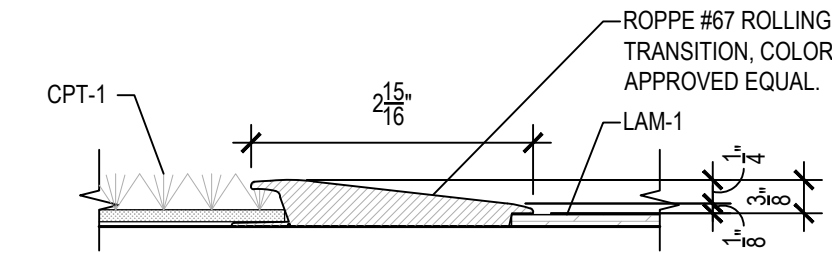
**FINISH SCHEDULE**

NOTE: ALL FINISHES TO BE FURNISHED AND INSTALLED BY G.C. UNLESS NOTED OTHERWISE.

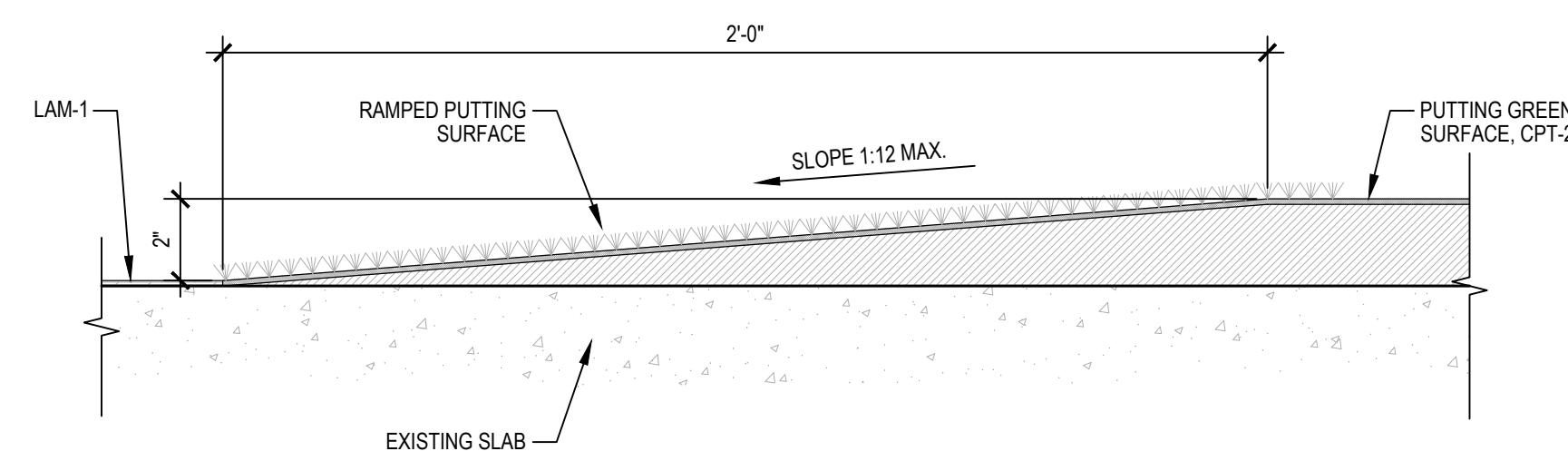
KEY	MATERIAL	MFR.	COLOR	REMARKS	PROVIDED BY	INSTALLED BY
ACT-1	ACOUSTICAL CEILING TILE	ARMSTRONG	WHITE	2' X 2' DUNE ANGLED TEGULAR LAY-IN TILE #1853 W/PRELUDE 15/16" EXPOSED TEE GRID.	G.C.	G.C.
P-1	LATEX PAINT	SHERWIN - WILLIAMS	SW6258 TRICORN BLACK	INTERIOR LATEX FLAT FINISH	G.C.	G.C.
P-2	LATEX PAINT	PPG PAINTS	1105-1 CREAMY WHITE	INTERIOR LATEX EGGSHELL FINISH	G.C.	G.C.
P-3	LATEX PAINT	PPG PAINTS	1105-1 CREAMY WHITE	INTERIOR LATEX EGGSHELL FINISH. PAINT FROM FINISH FLOOR TO 10'-0" A.F.F.	G.C.	G.C.
P-4	LATEX PAINT	SHERWIN - WILLIAMS	SW6258 TRICORN BLACK	INTERIOR LATEX FLAT FINISH. PAINT FROM 10'-0" A.F.F. TO DECK	G.C.	G.C.
CPT-1	OD PRO - UNPADDED TURF ITEM # NTFPRO - BLACK	ON DECK SPORTS	BLACK	ADDITIONAL MATERIAL TO BE LEFT ON SITE FOR TENANT USE. DO NOT PLACE ORDER ONLINE.	G.C.	G.C.
CPT-2	CARPET	N/A	N/A		TENANT	TENANT
LVT-1	6" X 36" PLANK	PARTERRE FLOORING	21244 INGRAINED NATURAL OAK		G.C.	G.C.
RFT-1	24" X 24" X 1/8" THICK RUBBER FLOOR TILE. ITEM # RT-40-RD	JOHNSONITE	40 - BLACK	TEXTURE: RT-RD RAISED ROUND PROFILE	G.C.	G.C.
VCT-1	12" X 12" VINYL COMPOSITION TILE	ARMSTRONG	5C861 SOFT WARM GRAY	PREMIUM EXCELON CROWN TEXTURE.	G.C.	G.C.
RB-1	4" COVED RUBBER BASE	JOHNSONITE	40 - BLACK		G.C.	G.C.
WB-1	4" RAW CEDAR PLANKS	N/A	N/A	FINISH WITH CLEAR SATIN POLYURETHANE. INSTALL WITH SMOOTH FACE OUT	G.C.	G.C. U.N.O. TENANT: AT PUTTING GREEN
PLAM-1	HIGH PRESSURE LAMINATE	PIONITE	W0951 FINE OAK	CABINET LAMINATE	G.C.	G.C.
PLAM-2	HIGH PRESSURE LAMINATE	PIONITE	SE101 BLACK	WORK AREA CUBBIES, COUNTERTOPS	G.C.	G.C.
PLAM-3	HIGH PRESSURE LAMINATE	PIONITE	SW811 WHITE	CABINET INTERIORS	G.C.	G.C.
GR-1	GRANITE	UBATUBA GRANITE	N/A		G.C.	G.C.
PY-1	POLYURETHANE	MINWAX	CLEAR SATIN	INTERIOR DOORS	G.C.	G.C.
P-5	INDUSTRIAL ENAMEL	PPG PAINTS	COLOR TO MATCH P-3	INTERIOR DOOR FRAMES	G.C.	G.C.
CT-1	24" X 24" X 1/4" THICK CERAMIC TILE	DALTILE	UC-15 DARK GREY	GROUT TO BE DARK GRAY COLOR. TILE TO BE RATED FOR FLOOR AND WALL USE. TRIM AND CUT AROUND ALL DISPENSERS & MIRRORS WHICH OVERLAP TILE AND CAULK EDGES WITH CERAMIC TILE CAULK. PROVIDE TRIM MOLDING AT ALL EXPOSED EDGES. CERAMIC TILE AT WALLS TO BE TO 4'-0" A.F.F.	G.C.	G.C.

**ROOM SCHEDULE**

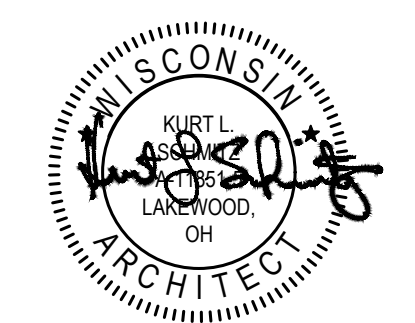
NO.	ROOM NAME	WALL	BASE	FLOOR	CEILING
100	RECEPTION AREA	P-3, P-4	WB-1	LVT-1	OPEN TO STRUCTURE (PAINT P-1)
101	CONSULTATION	P-3, P-4	WB-1	LVT-1	OPEN TO STRUCTURE (PAINT P-1)
102	PUTTING GREEN	P-3, P-4	WB-1	CPT-2	OPEN TO STRUCTURE (PAINT P-1)
103	CLUB DISPLAY	P-3, P-4	WB-1	LVT-1	OPEN TO STRUCTURE (PAINT P-1)
104	SWING ROOM 1	P-3, P-4	RB-1	CPT-1	OPEN TO STRUCTURE (PAINT P-1)
105	SWING ROOM 2	P-3, P-4	RB-1	CPT-1	OPEN TO STRUCTURE (PAINT P-1)
106	SWING ROOM 3	P-3, P-4	RB-1	CPT-1	OPEN TO STRUCTURE (PAINT P-1)
107	WORK ROOM	P-3	RB-1	RFT-1	ACT-1
108	BREAK AREA	P-3	RB-1	VCT-1	ACT-1
109	WOMENS	P-3, CT-1	--	CT-1	ACT-1
110	MENS	P-3, CT-1	--	CT-1	ACT-1
111	STORAGE	P-3, P-4	RB-1	CPT-1	OPEN TO STRUCTURE (PAINT P-1)



**1 SWING ROOM TRANSITION**  
SCALE: 6" = 1'-0"



**2 PUTTING GREEN RAMP DETAIL**  
SCALE: 3" = 1'-0"



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MADISON, WI 53705  
6629 MINERAL POINT RD.

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**FINISH PLAN**

DATE 06/01/21  
JOB NO. 21140

**A1.2**  
SHEET NO.

**CEILING PLAN LEGEND**

2 X 4' FLUORESCENT LIGHT FIXTURE SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION		SUPPLY AIR DIFFUSER SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION	
8' SURFACE MOUNTED LIGHT FIXTURE SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION		RETURN AIR DIFFUSER SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION	
8' TRACK LIGHT FIXTURE SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION		EXHAUST FAN SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION	
PENDENT STYLE LIGHT FIXTURE SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION			

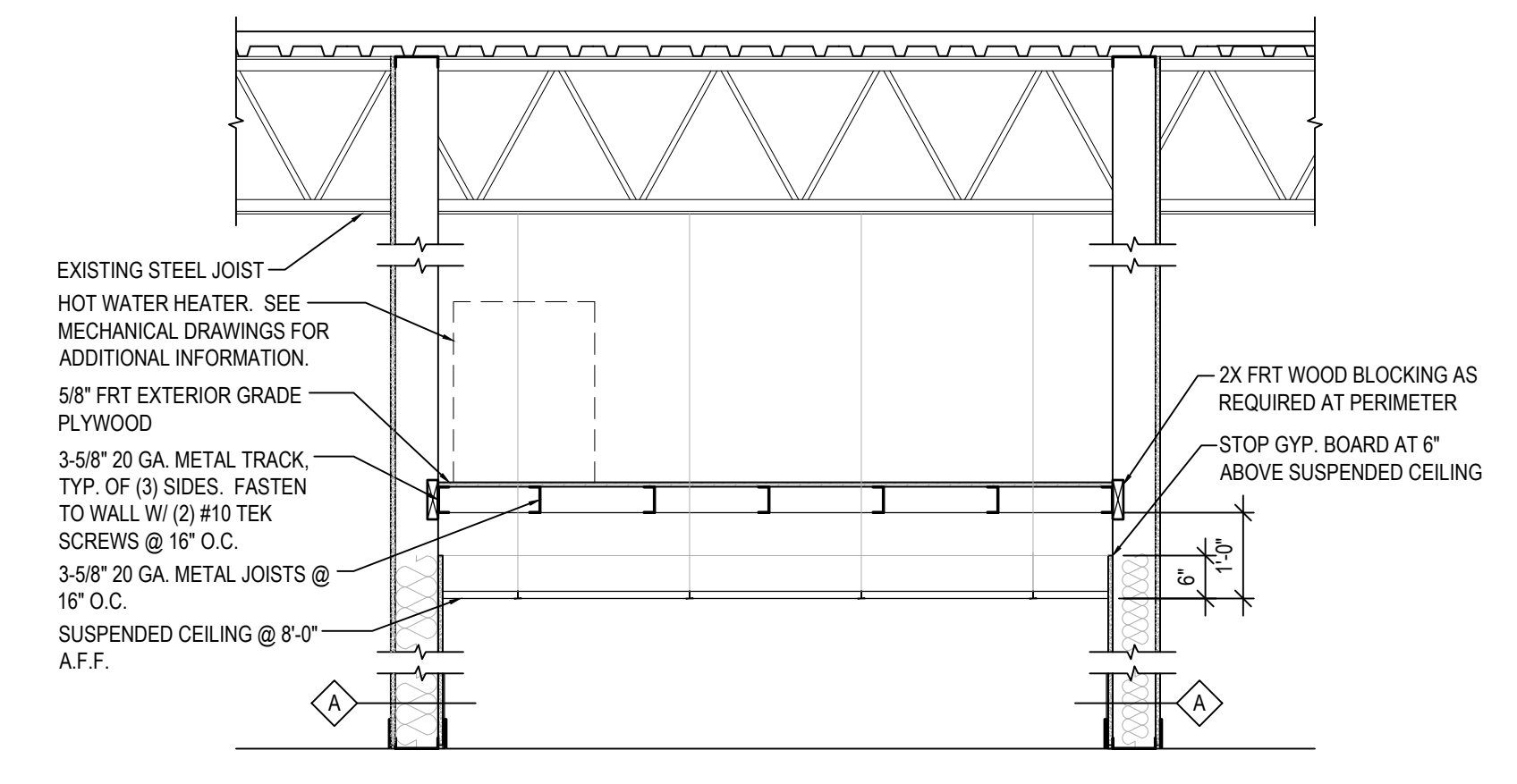
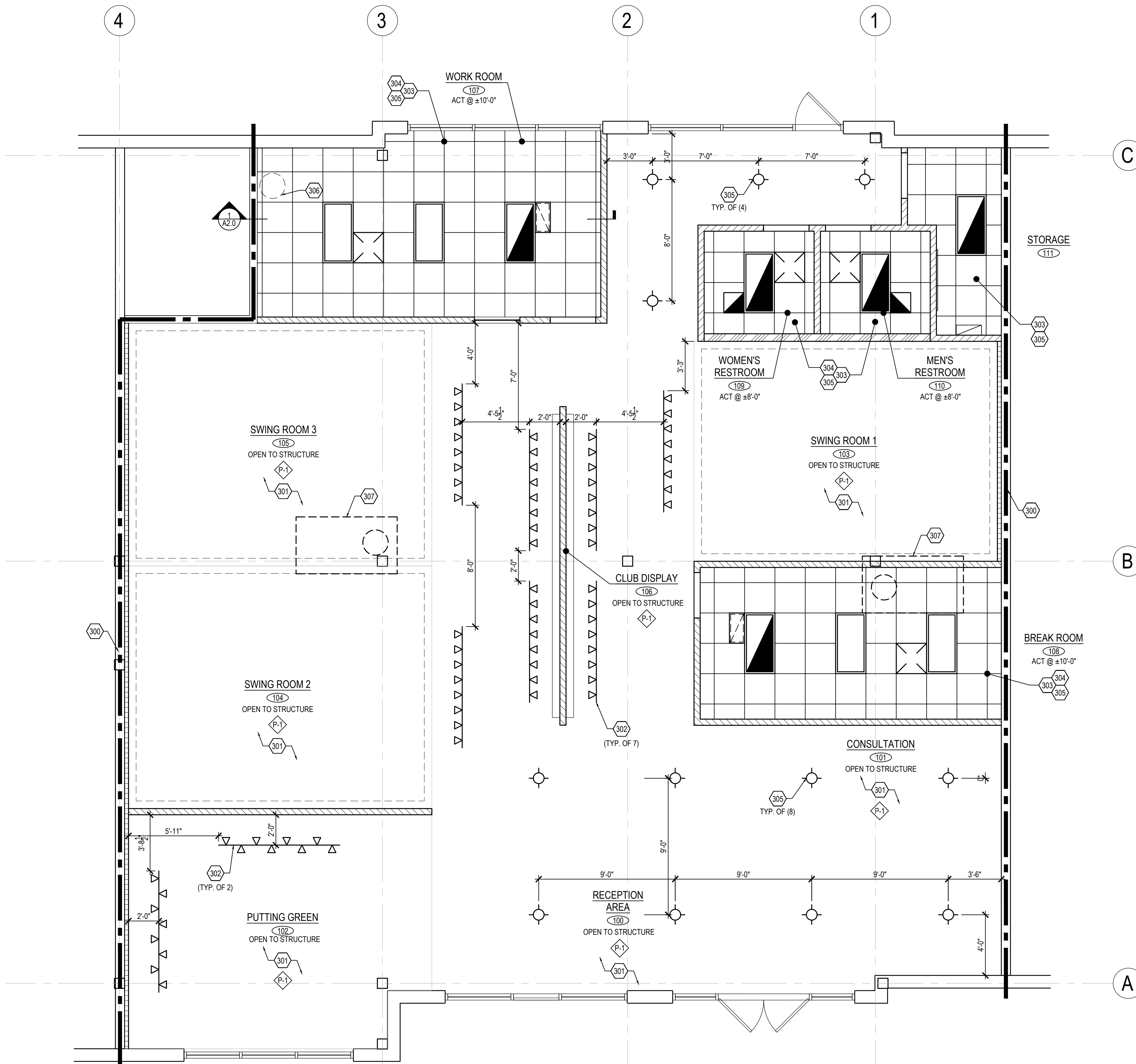
NOTE:  
ENSURE THERE IS  
12'-6" CLEAR ABOVE  
ALL SWING ROOMS

**GENERAL NOTES**

- SEE ELECTRICAL DRAWINGS FOR ALL NEW LIGHTING LOCATIONS AND SPECIFICATIONS.
- SEE ELECTRICAL DRAWINGS FOR NEW OR RELOCATED SIGNS AND EMERGENCY LIGHTING AS REQUIRED PER NEW LAYOUT. PROVIDE ON SEPARATE CIRCUIT AS REQUIRED.
- SEE ELECTRICAL DRAWINGS FOR ALL SWITCH AND OCCUPANCY SENSOR LOCATIONS AND SPECIFICATIONS. RE-SWITCH AND RELOCATE LIGHT SWITCHES THROUGHOUT AS REQUIRED PER NEW LAYOUT. PROVIDE DUAL SWITCHING IN OFFICES.
- USE ACOUSTICALLY LINED TRANSFER DUCTS TO PROVIDE PLENUM RETURN FROM SCHEDULED ROOMS AND OTHER FULLY INSULATED AREAS; OR APPROVED CUTOUT AT INSULATED PARTITIONS PARALLEL TO THE EXTERIOR PARTITIONS.
- PROVIDE/RELOCATE DUCTWORK, THERMOSTATS, DIFFUSERS AND EQUIPMENT AS REQUIRED. REPLACE EXISTING/PROVIDE NEW AS REQUIRED FOR A CLEAN, UNIFORM, LIKE-NEW INSTALLATION.
- REFER TO STRUCTURAL STEEL GENERAL NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION.
- REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL MECHANICAL UNITS.
- COORDINATE LOCATION OF ALL RTU'S WITH MECHANICAL E.O.R. SO THAT THE OPENINGS DO NOT INTERFERE WITH (E) FRAMING.
- G.S. TO VERIFY COLUMN LOCATIONS AND SIZES, TYP.
- G.C. TO VERIFY THAT (N) RTU OPENINGS DO NOT INTERFERE WITH (E) OPEN WEB JOISTS, COORDINATE, W/ MECHANICAL.
- WHERE (N) UNITS HAVE THE SAME FOOTPRINT AS (E) UNITS, AND (E) PERIMETER SUPPORT FRAMING UNDER THE NEW UNIT IS PRESENT, NO ADDITIONAL SUPPORT FRAMING IS NEEDED, AS SHOWN ON DETAIL 2/A2.0. WHERE (N) RTU UNITS ARE USING (E) DUCT OPENINGS AND (E) DECK SUPPORT FRAMING IS PRESENT AT OPENINGS, NO ADDITIONAL ROOF DECK SUPPORT FRAMING AT OPENINGS IS NEEDED, AS SHOWN ON DETAIL 3/A2.0.
- WHERE (N) RTU UNITS HAVE THE SAME FOOTPRINT AS (E) UNITS AND (E) WEB STIFFENERS ARE PRESENT WHERE SUPPORT FRAMING INTERSECTS W/ (E) ROOF JOISTS, NO ADDITIONAL WEB STIFFENERS ARE NEEDED, AS SHOWN ON DETAIL 4/A2.0.

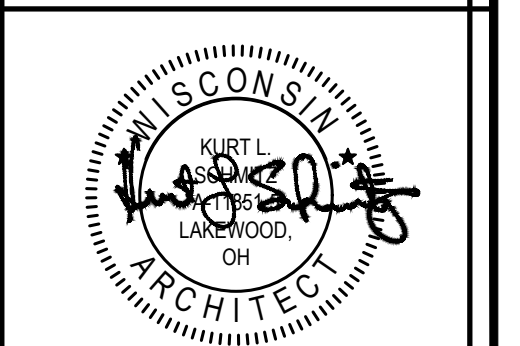
**300 SERIES CEILING PLAN KEY NOTES**

- APPROXIMATE LOCATION OF CCG LEASE LINE.
- EXPOSED ROOF STRUCTURE, G.C. TO CLEAN, CLEAR EXISTING STRUCTURE OF DEBRIS, PAINT, SEE SHEET A1.2 FOR FINISHES
- NEW TRACK LIGHTING. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- NEW 2' X 2' SUSPENDED CEILING SYSTEM AND CEILING TILE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- NEW SUPPLY AND RETURN AIR DIFFUSERS. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- NEW LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- APPROXIMATE LOCATION OF HOT WATER HEATER ABOVE. SEE DETAIL 1/A2.0 FOR ADDITIONAL INFORMATION. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- APPROXIMATE LOCATION OF EXISTING HVAC ROOFTOP UNIT. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.



1  
A2.0  
HOT WATER HEATER SHELF SECTION  
SCALE: 1/2" = 1'-0"

**REFLECTED CEILING PLAN**  
SCALE 1/4" = 1'-0"



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Kurt L. Schmitz, Architect  
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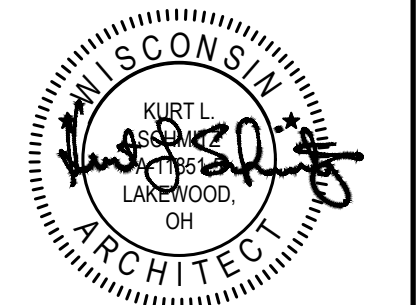
**REFLECTED CEILING PLAN**

DATE 06/01/21

JOB NO. 21140

**A2.0**

SHEET NO.



**KLS**  
ARCHITECT

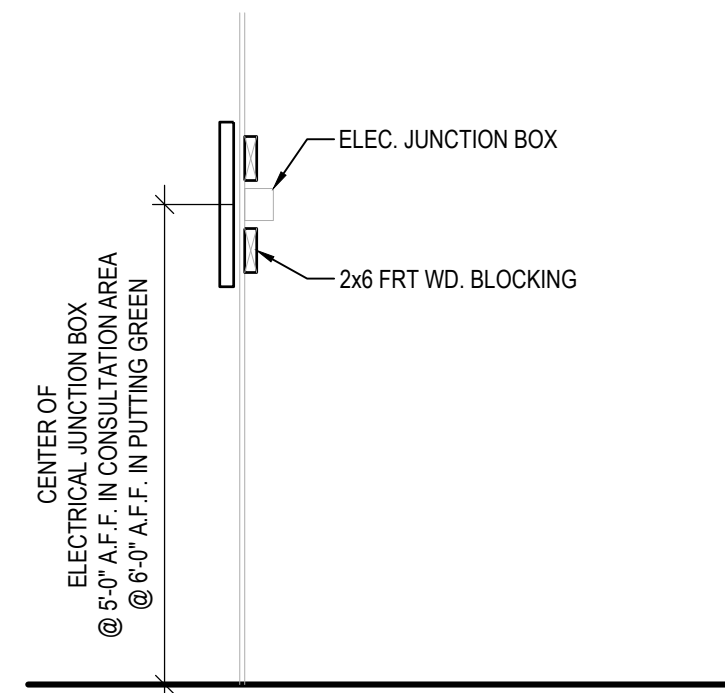
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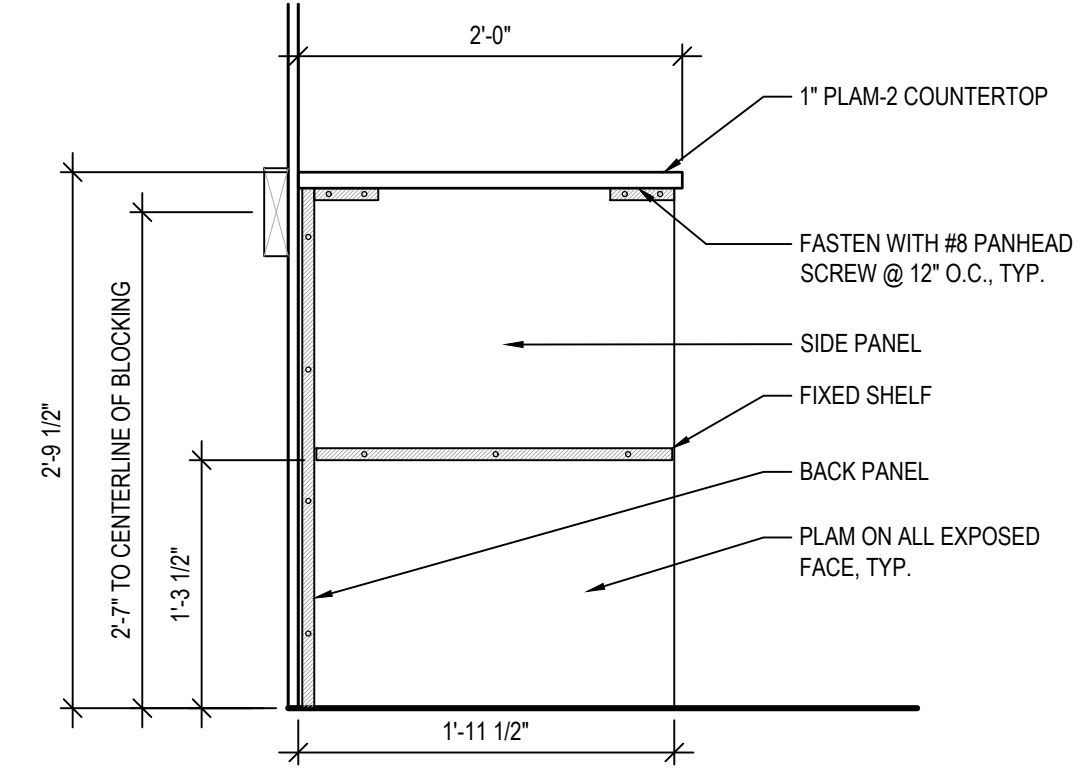
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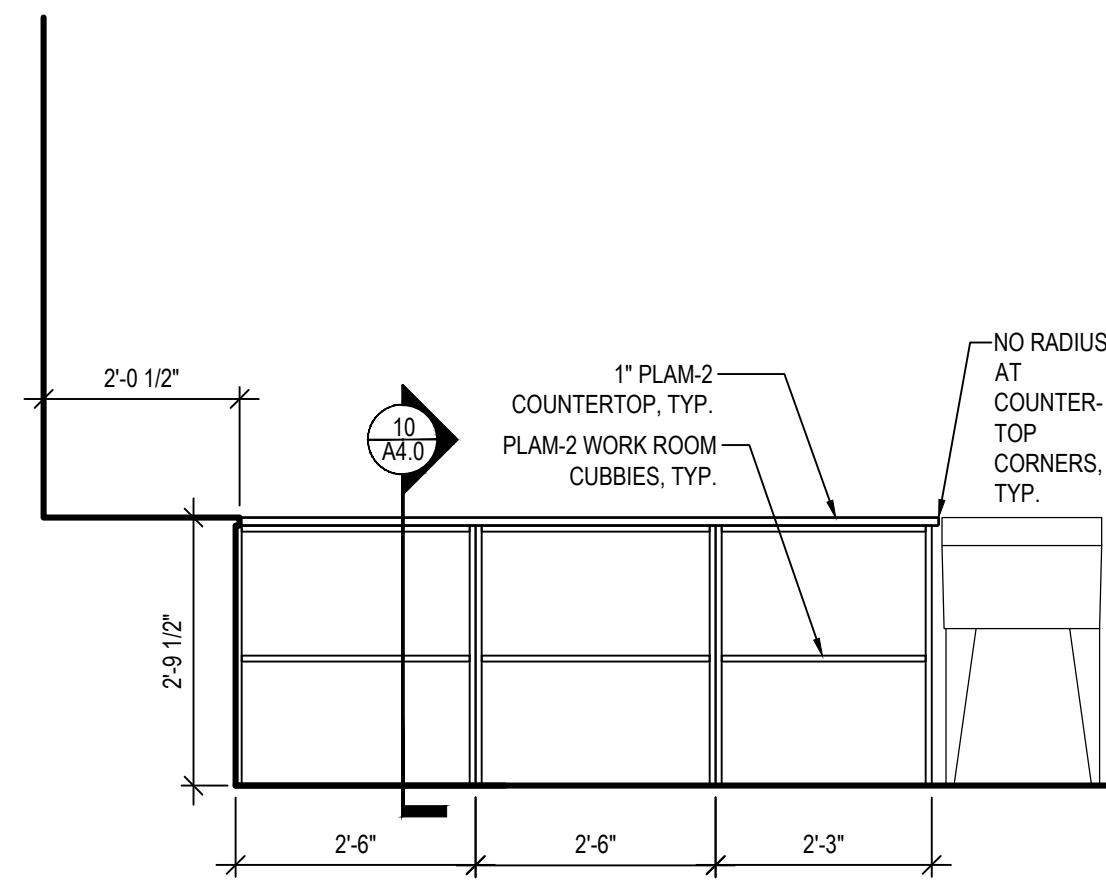
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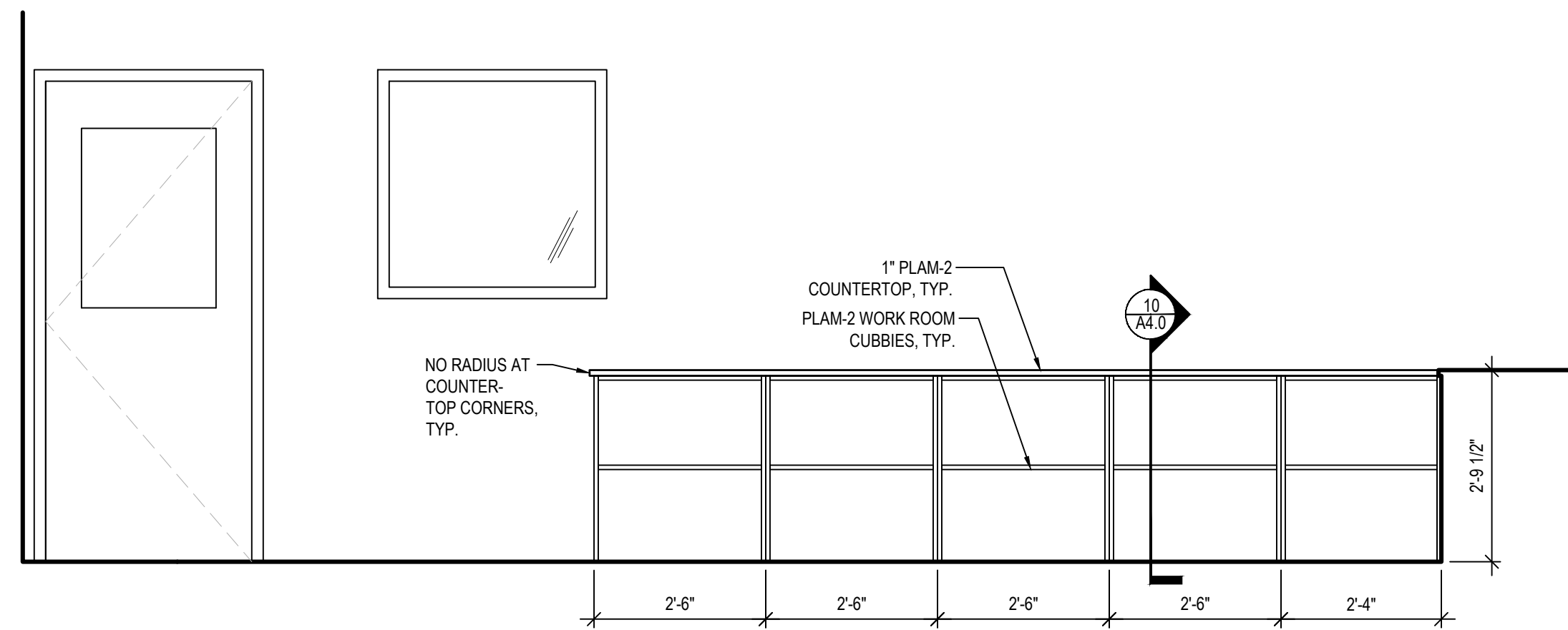
11 TV MOUNT BLOCKING SECTION  
A4.0 SCALE: NTS



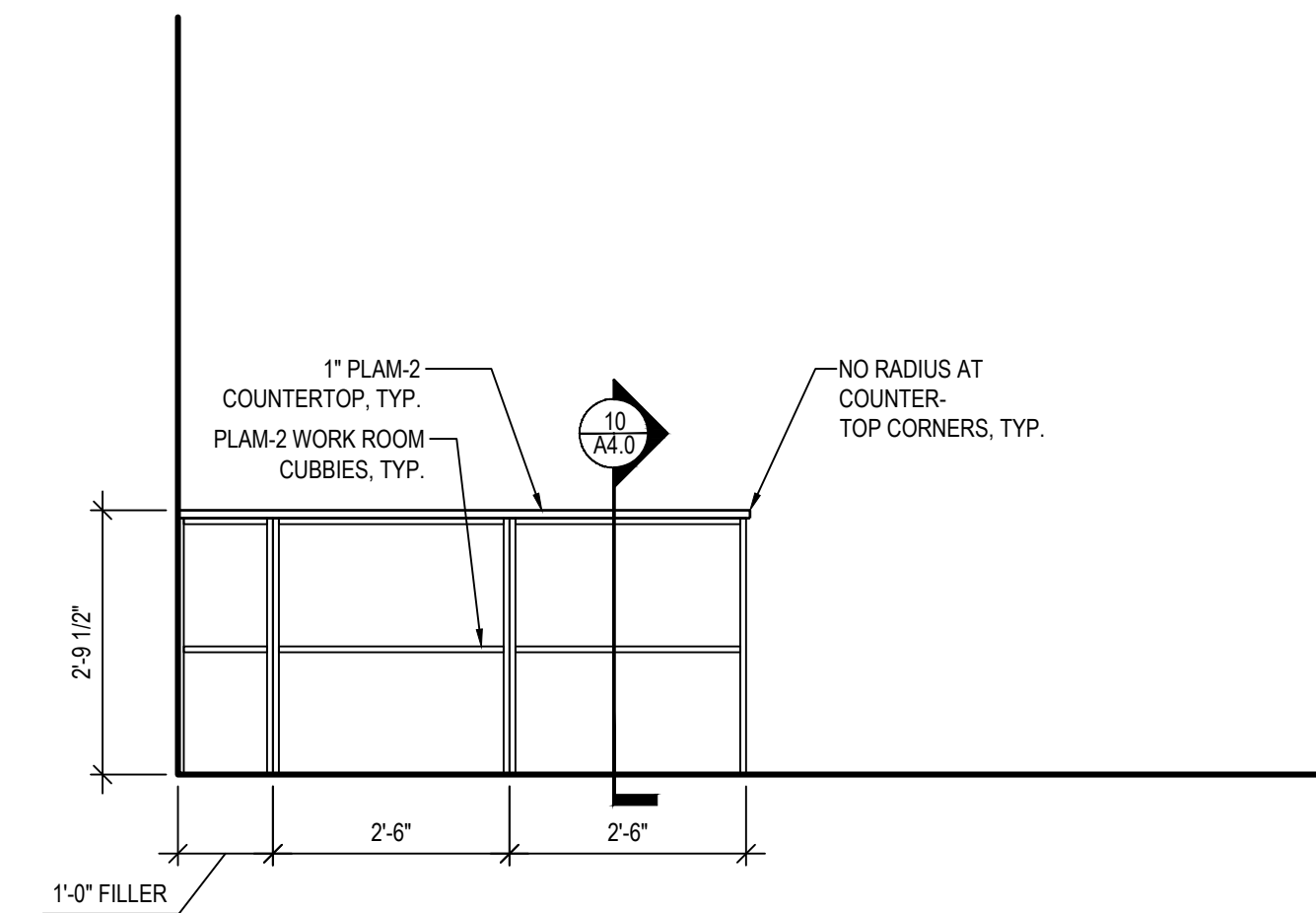
10 WORK ROOM CUBBY SECTION  
A4.0 SCALE: 1" = 1'-0"



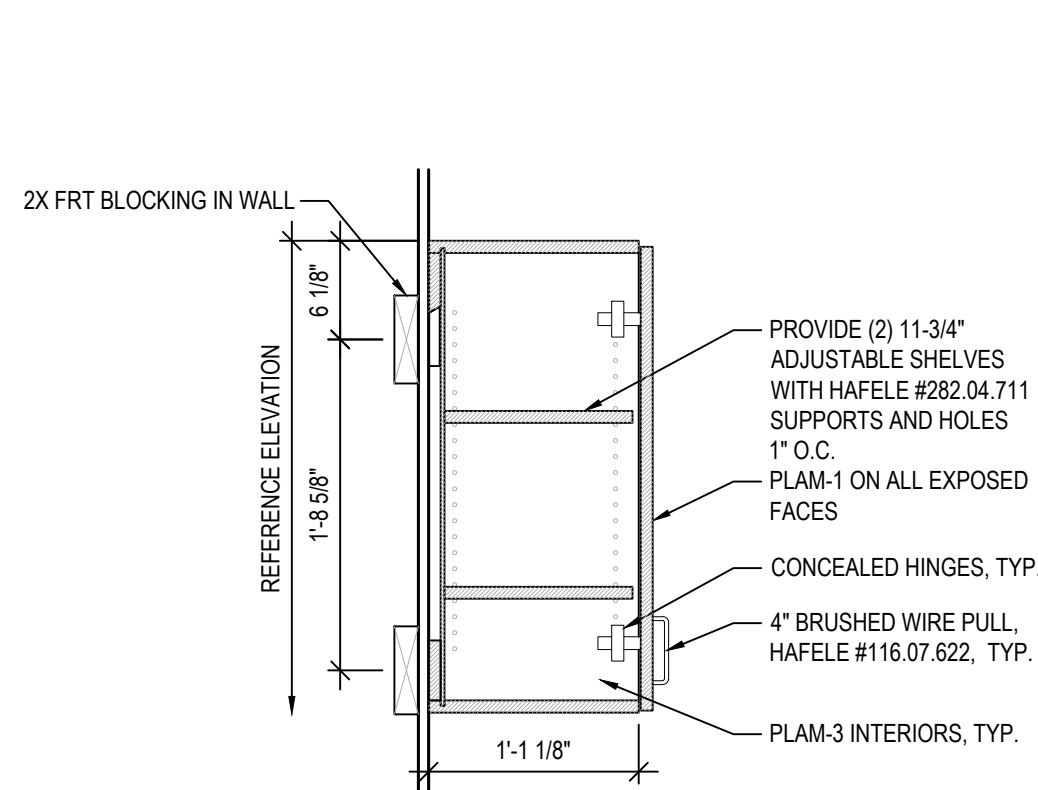
9 WORK ROOM ELEVATION  
A4.0 SCALE: 1/2" = 1'-0"



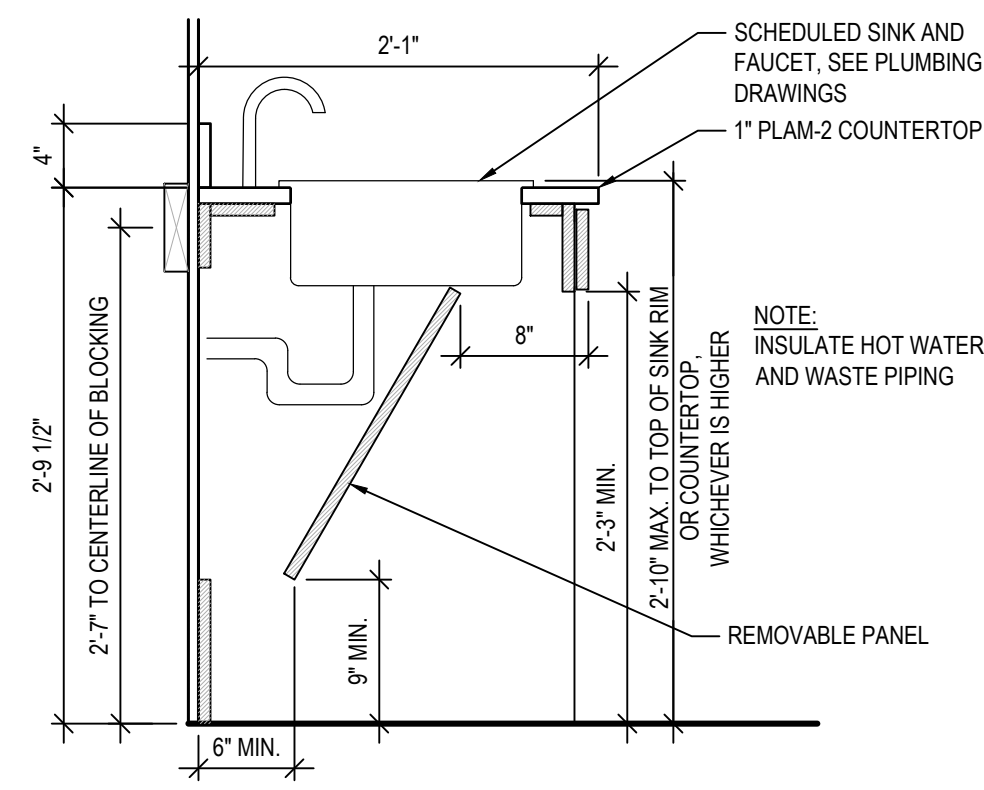
8 WORK ROOM ELEVATION  
A4.0 SCALE: 1/2" = 1'-0"



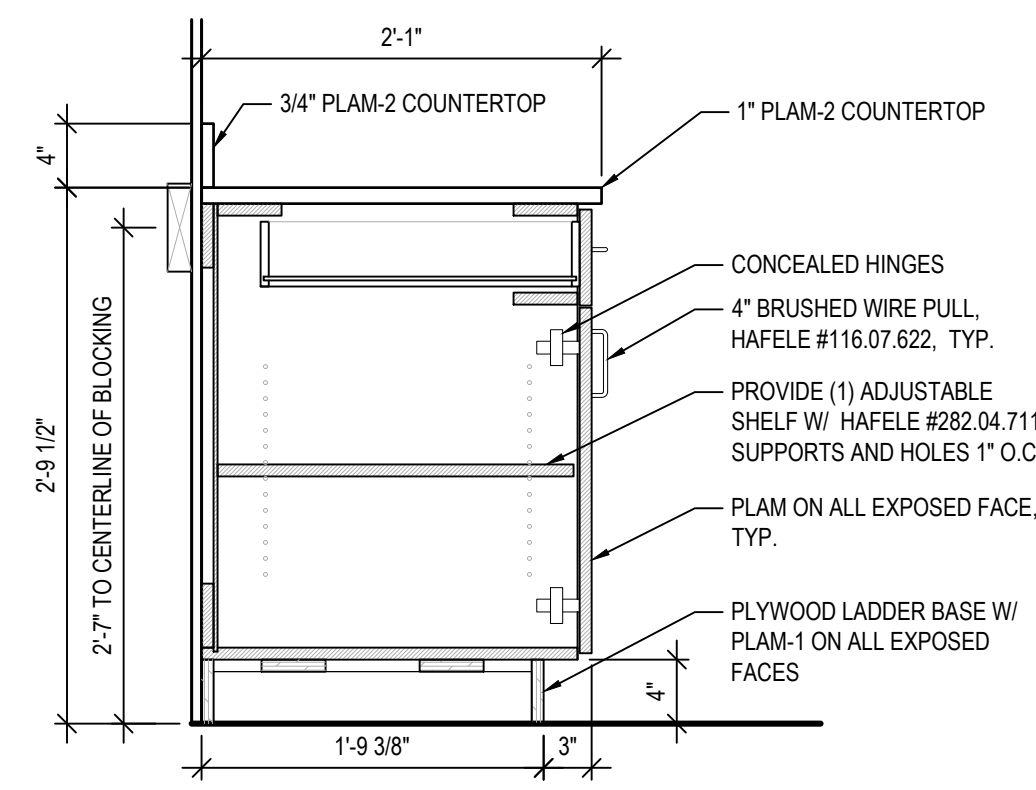
7 WORK ROOM ELEVATION  
A4.0 SCALE: 1/2" = 1'-0"



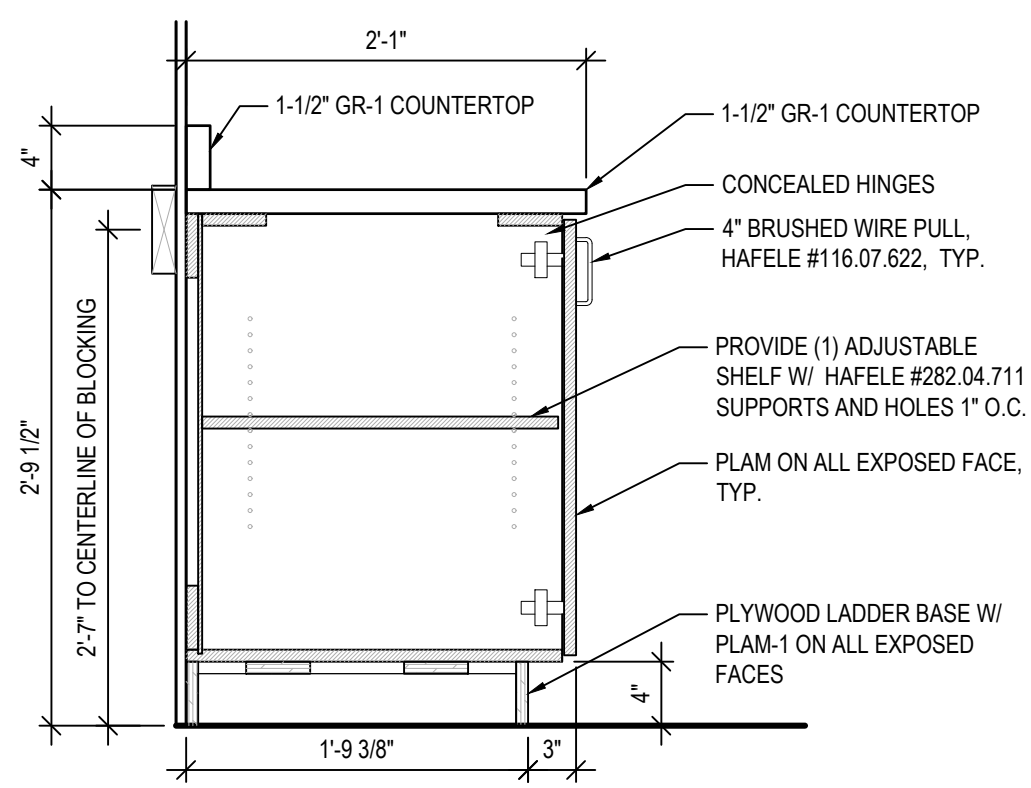
6 TYPICAL UPPER CABINET SECTION  
A4.0 SCALE: 1" = 1'-0"



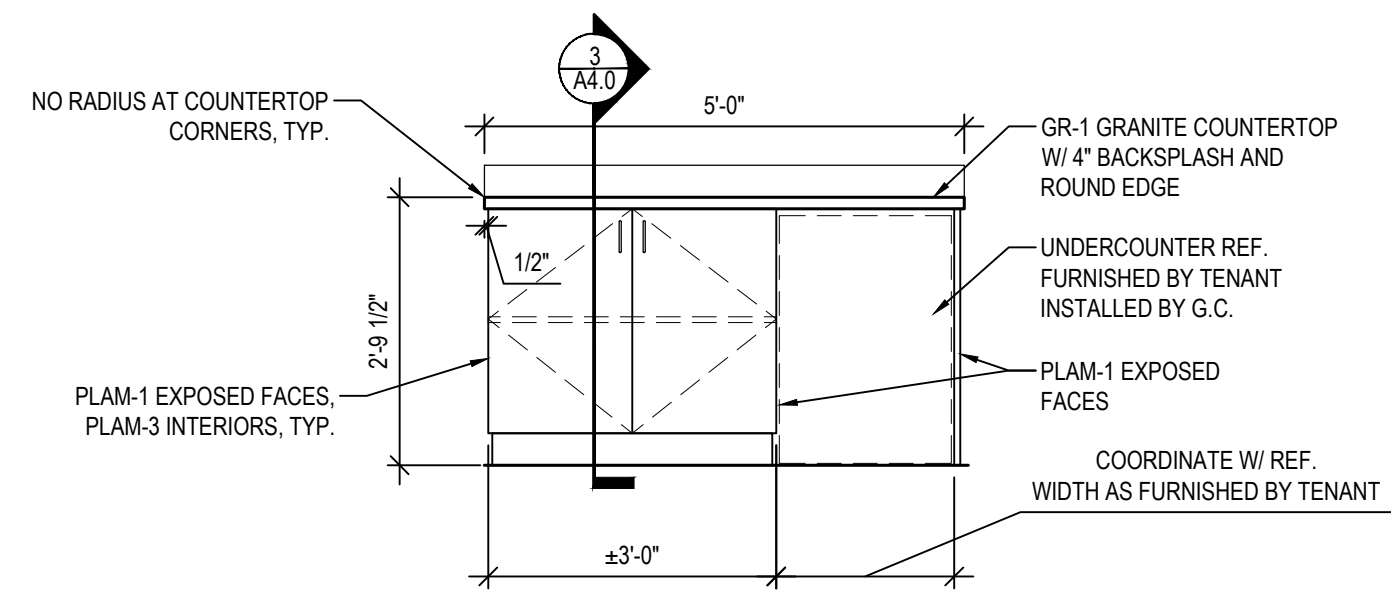
5 SINK CABINET SECTION  
A4.0 SCALE: 1" = 1'-0"



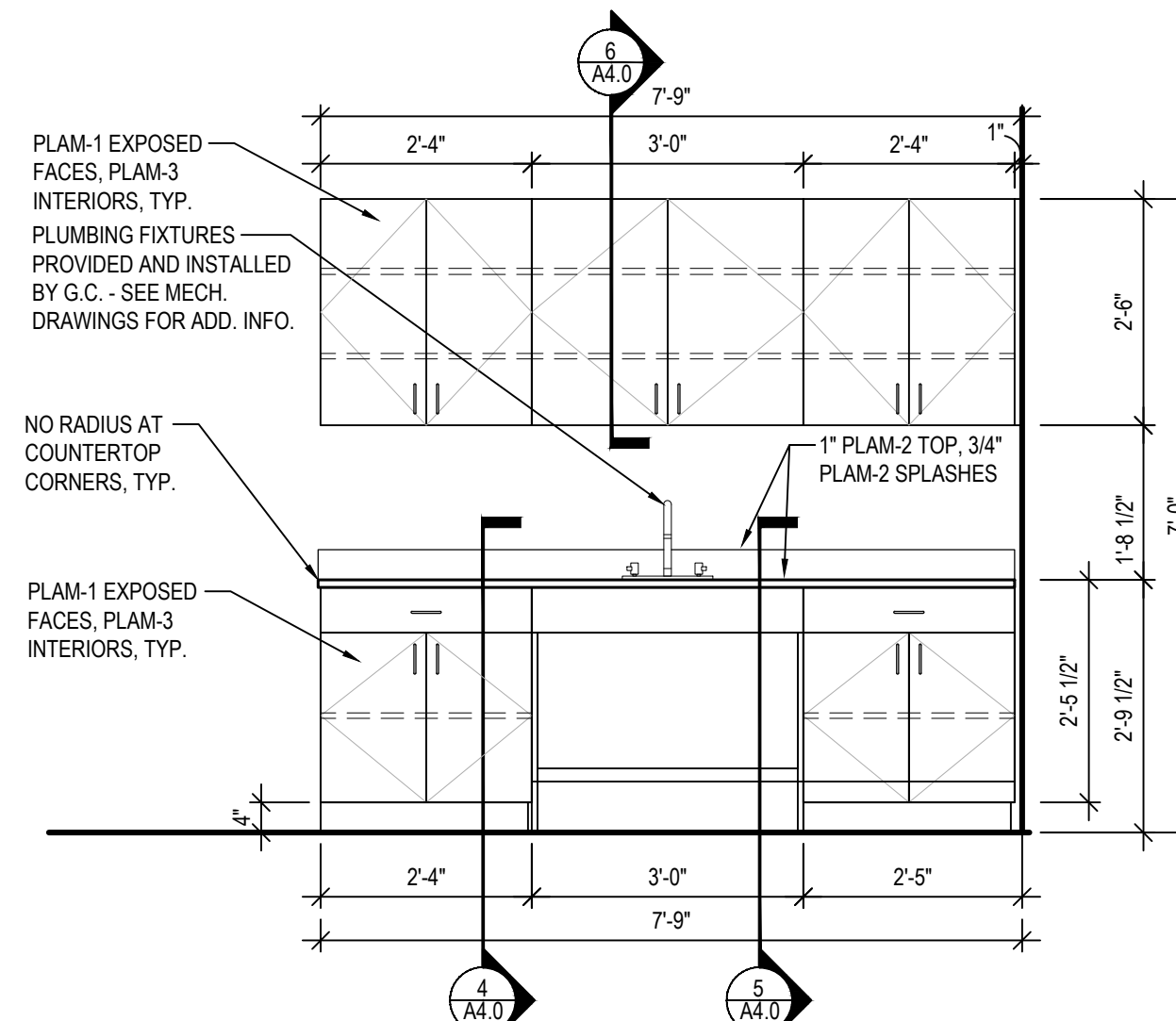
4 BASE CABINET SECTION  
A4.0 SCALE: 1" = 1'-0"



3 BASE CABINET SECTION - NO DRAWERS  
A4.0 SCALE: 1" = 1'-0"



2 CONSULT COUNTER ELEVATION  
A4.0 SCALE: 1/2" = 1'-0"



1 BREAK AREA ELEVATION  
A4.0 SCALE: 1/2" = 1'-0"

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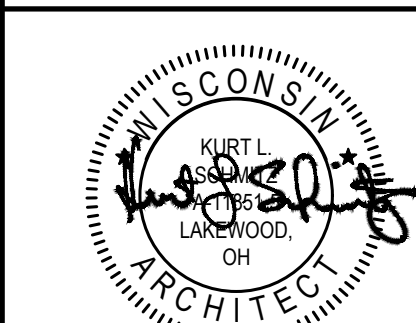
SECTIONS & DETAILS

DATE 06/01/21

JOB NO. 21140

A4.0

SHEET NO.



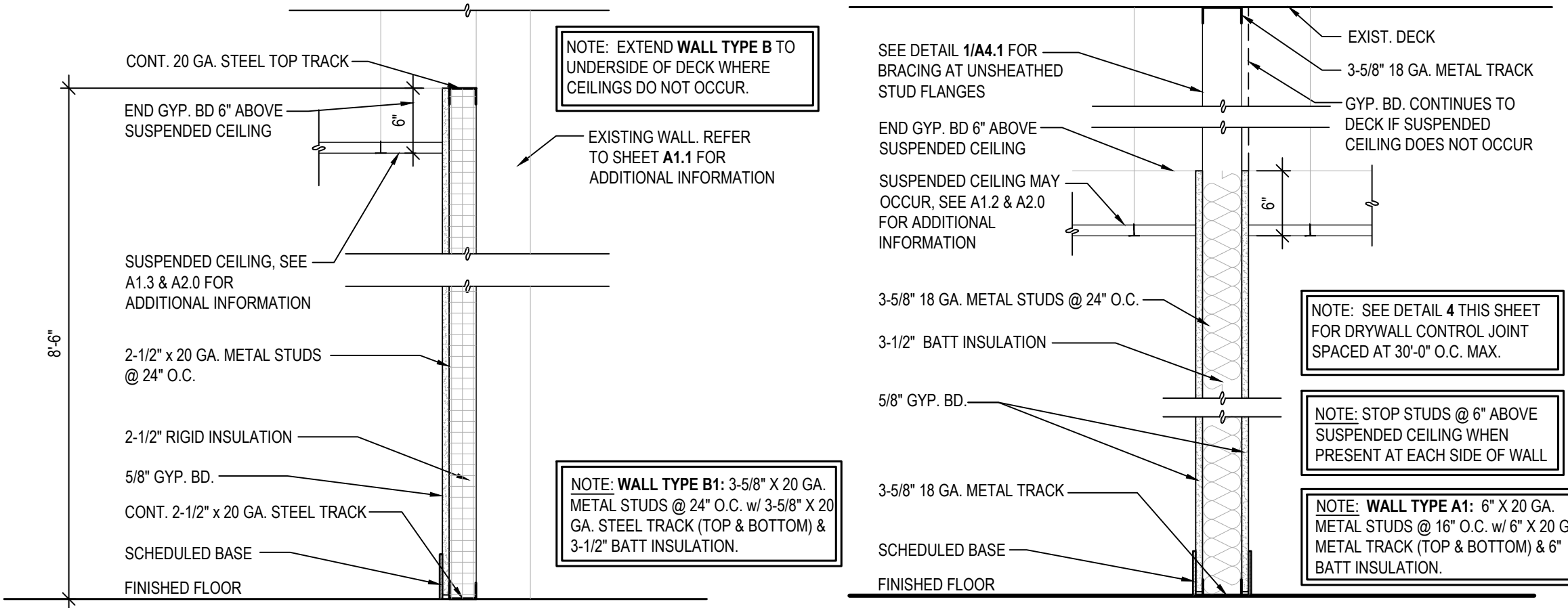
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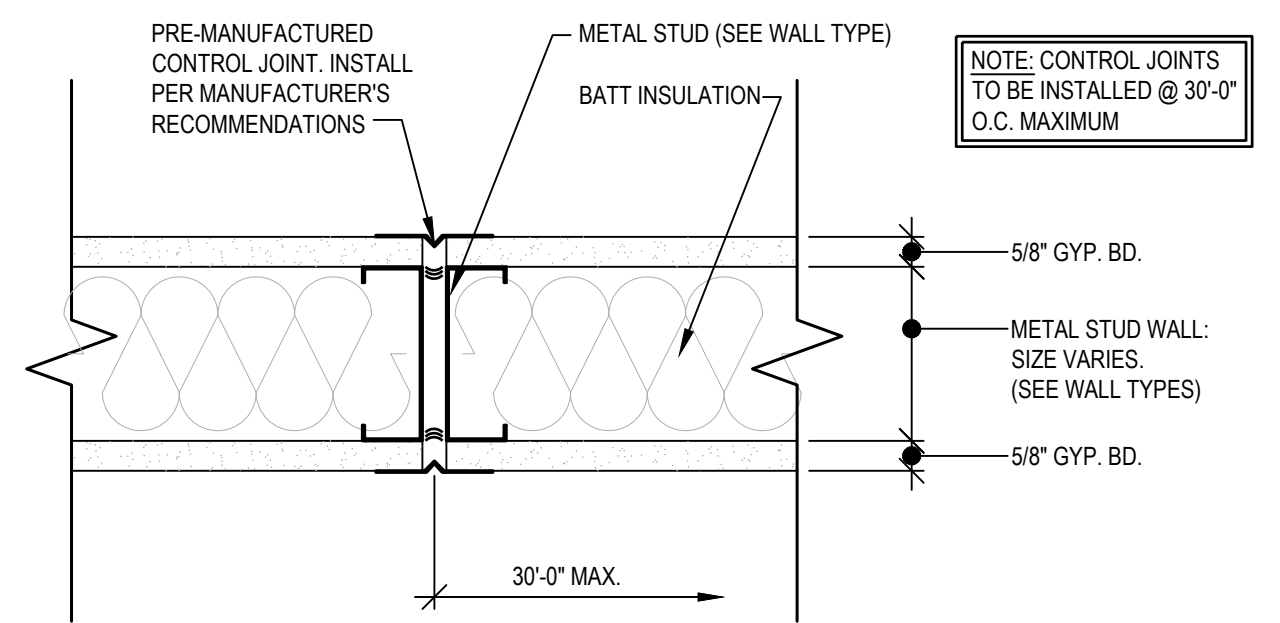
**WALL TYPE NOTES**

- REFER TO GENERAL NOTES ON SHEET A0.0 FOR ADDITIONAL INFORMATION
- GENERAL CONTRACTOR TO VISIT SITE AND VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING PROPOSALS AND COMMENCING WORK.
- THE MATERIALS AND DETAILS SHOWN ARE FOR TYPICAL INSTALLATIONS WHERE THE STUD MANUFACTURER'S RECOMMENDATIONS OR LOCAL ORDINANCES ARE MORE RESTRICTIVE, THEY SHALL APPLY.
- TYPICAL FASTENER:
  - STEEL STUDS TO STEEL STUDS OR TRACKS: # 18 X 1/2" TEKS /2 WITH PHIL PAN HEAD FOR 25 GA. OR 20 GA. #10 - 16 X 9/16" TEKS/3 WITH PHIL PAN HEAD FOR INTERCONNECTION OF 18 GA. OR 16 GA.
  - STEEL STUDS OR TRACKS TO STRUCTURAL STEEL (TUBE STEEL, WIDE FLANGE COLUMNS, BEAMS, GIRDERS, ETC.): TEKS/3 OR TEKS/4 - GAUGE AND LENGTH AS REQUIRED FOR THE COMBINED THICKNESS OF THE FRAMING TO BE DRILLED.
  - GYP. BOARD TO STEEL STUDS: #7 X 1 1/4" HI-LO TYPE "S" BUGLE HEAD SCREWS FOR 3/8" TO 5/8" GYP. BOARD TO 25 GAUGE OR 20 GAUGE STUDS. #6 X 1 1/4" TYPE S-12 BUGLE HEAD SCREWS FOR 3/8" TO 5/8" TO 18 GA. OR 16 GA. STUDS OR TRACKS.
  - ALL GYPSUM BOARD RETURNS SHALL HAVE METAL CORNER BEADS MINIMUM FLOOR TO CEILING. ALL PENETRATIONS IN DRYWALL CONSTRUCTION ABOVE FINISHED CEILING AND AS NOTED ELSEWHERE SHALL BE EFFECTIVELY SEALED TO PREVENT SOUND LEAKAGE AND FIRE CAULKED AT U.L. RATED PARTITIONS. ALL DRY-WALL JOINTS ABOVE FINISHED CEILING SHALL BE "FIRE TAPED." ALL MECHANICAL CHASES AND OTHER NOTED CHASES ARE TO EXTEND UP TO THE UNDERSIDE OF THE DECK STRUCTURE ABOVE. ALL PLUMBING CHASES UNLESS OTHERWISE NOTED SHALL EXTEND ABOVE THE HIGHEST ADJOINING CEILING AND BE BRACED TO STRUCTURE. ALL VERTICAL DIMENSIONS SHOWN ARE TO THE TOP OF THE SLAB, UNLESS NOTED OTHERWISE.
  - AT PARTITIONS HIGHER THAN 12'-0" PROVIDE HORIZONTAL LATERAL BRACING WITH 1 1/2" 16GA. COLD ROLLED CHANNELS AT 8'-0" O.C. VERT. ANCHORED TO STUDS. SEE DETAIL 1 THIS SHEET FOR ADDITIONAL INFORMATION.

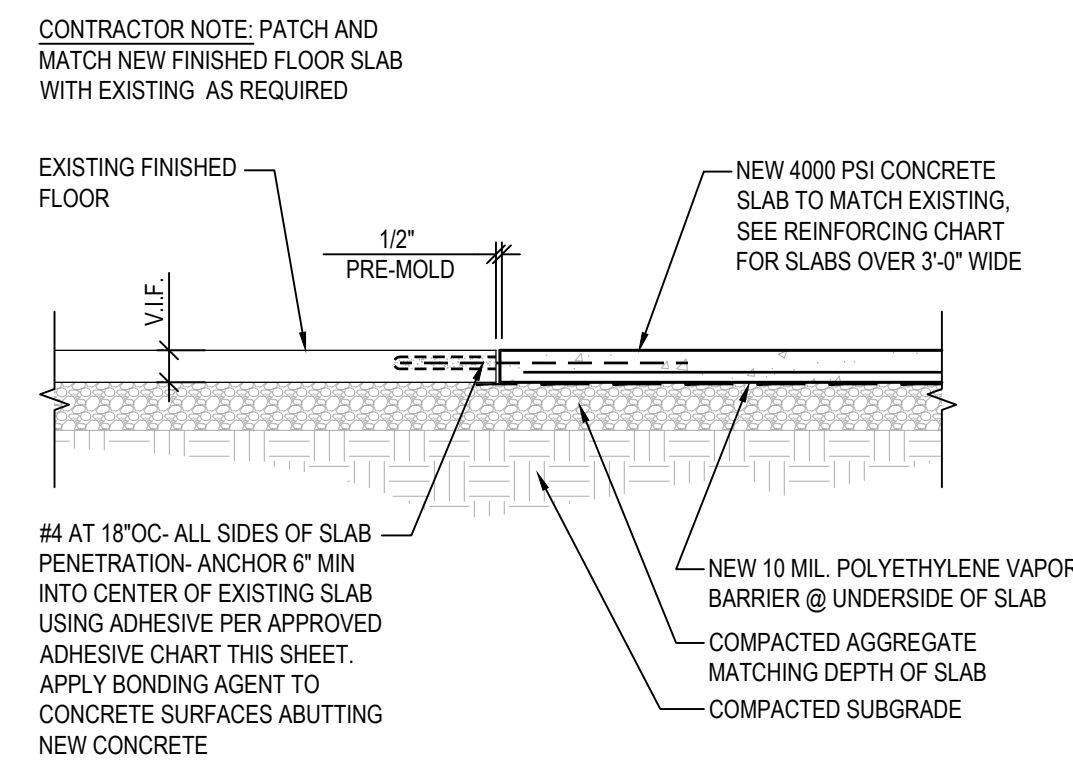


**B WALL TYPE B, B1**  
 SCALE: 1" = 1'-0"

**A WALL TYPE A & A1**  
 SCALE: 1" = 1'-0"



**4 GYPSUM BOARD CONTROL JOINT DETAIL**  
 SCALE: 3" = 1'-0"

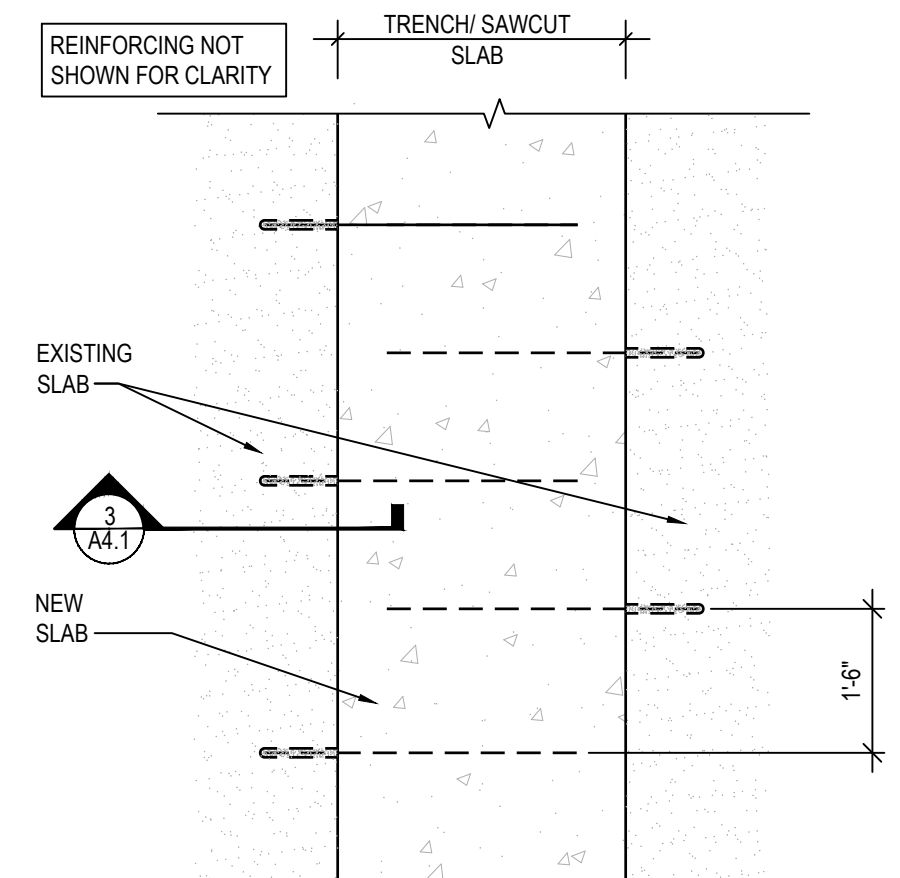


**3 TYPICAL SLAB PATCH DETAIL**  
 SCALE: NONE

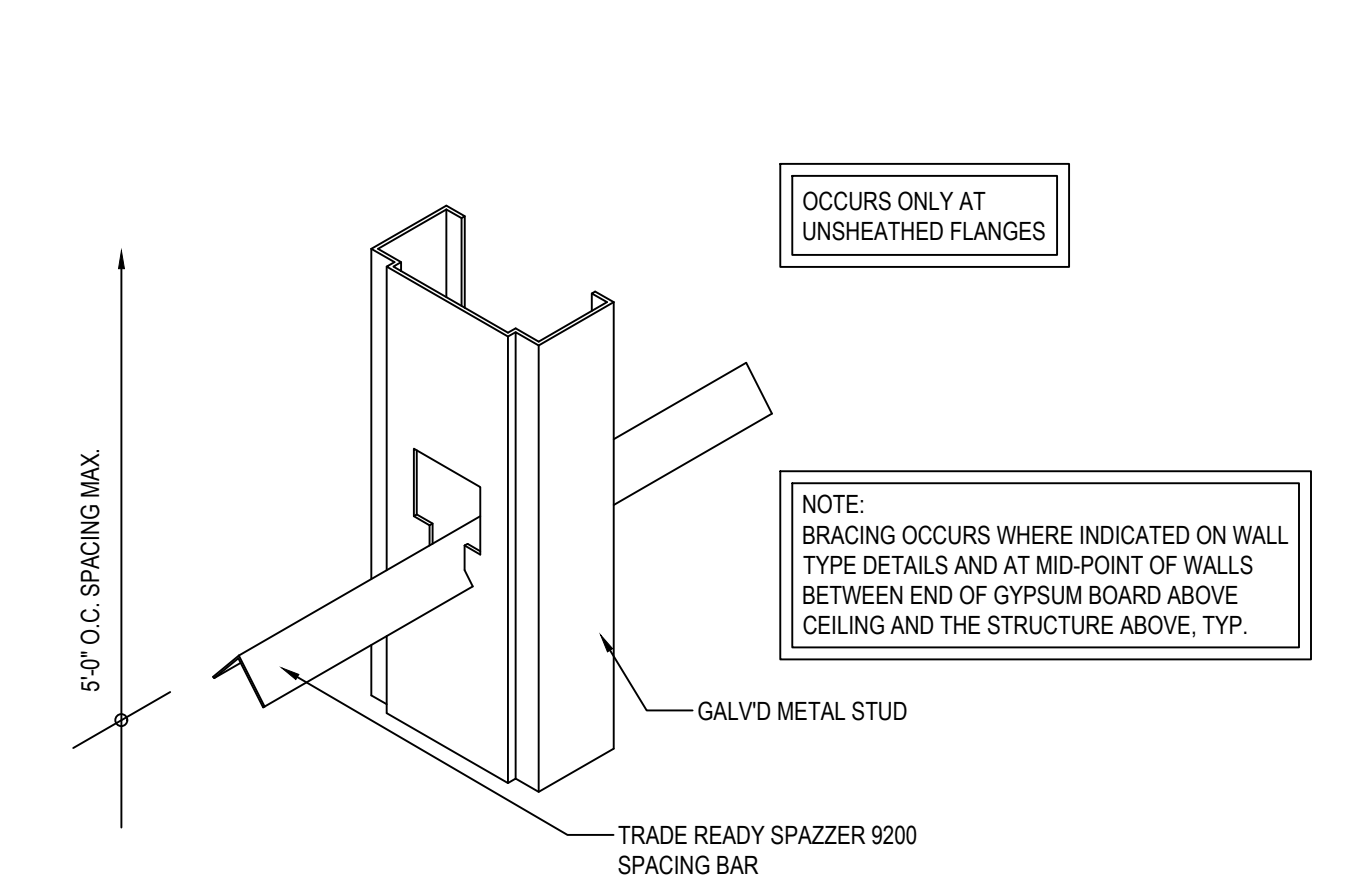
SLAB THICKNESS	REINFORCING
1' < 4'	4x4 W2.9xW2.9 W.W.M.
4' < 1' < 6'	#4 @ 18" O.C. EA. WAY

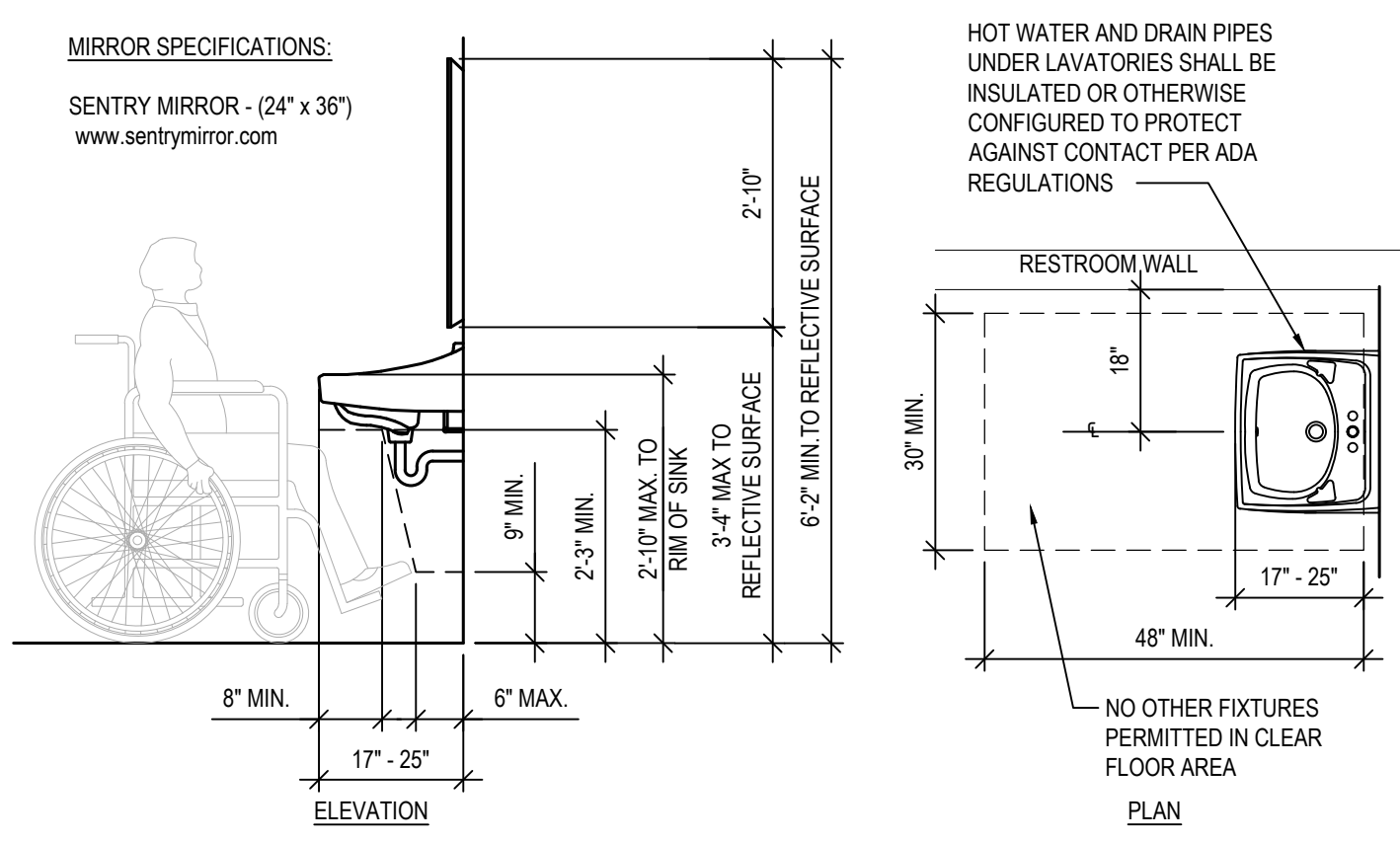
APPROVED ADHESIVE FOR CONCRETE	
A	HILTI HIT-HY 200 WITH SAFESET TECHNOLOGY (SS-ES ESR-3187)
B	HILTI HIT-RE 500V3 WITH SAFESET TECHNOLOGY (SS-ES ESR-3814)



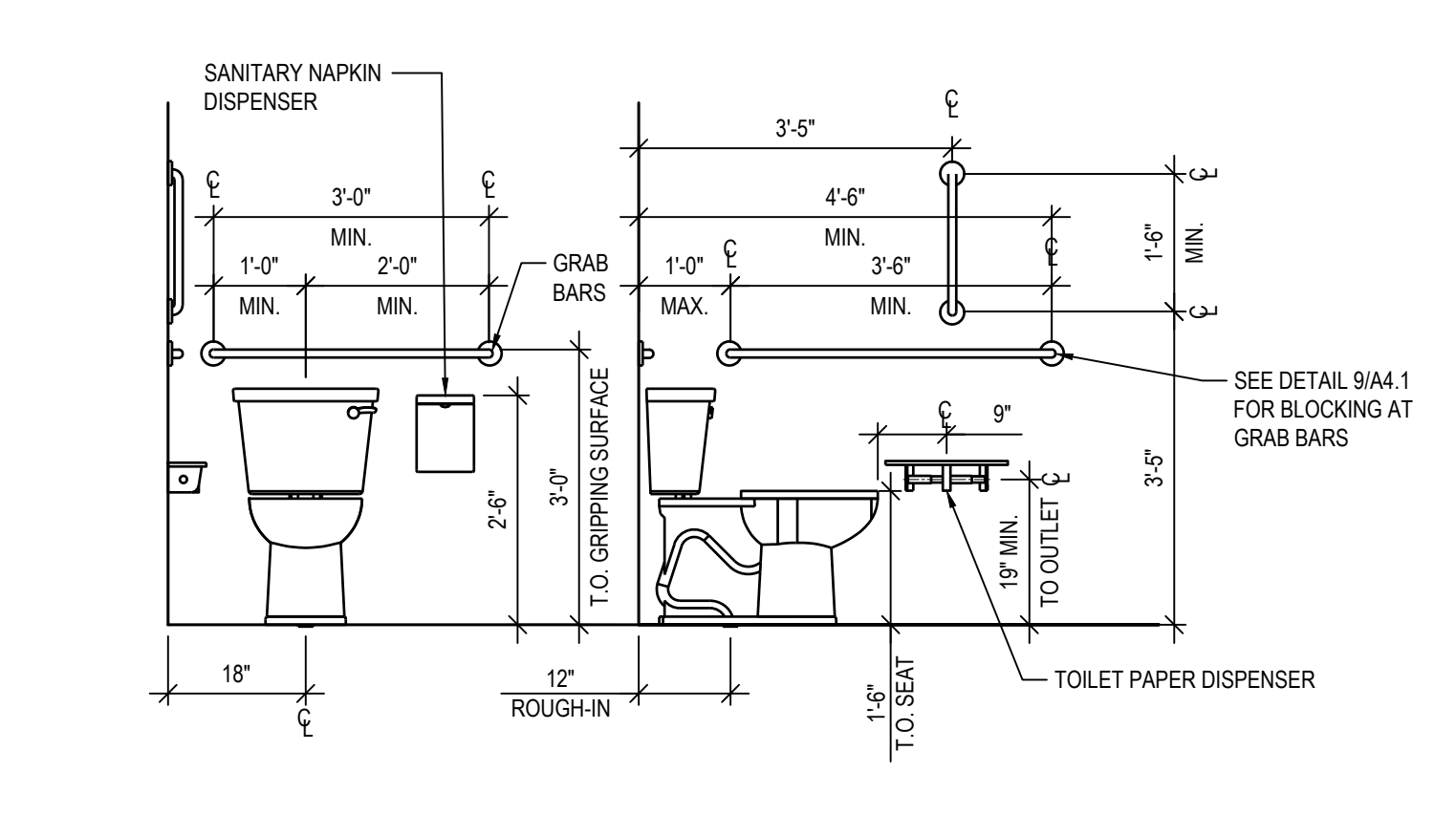
**2 TRENCHED SLAB PLAN**  
 SCALE: NONE



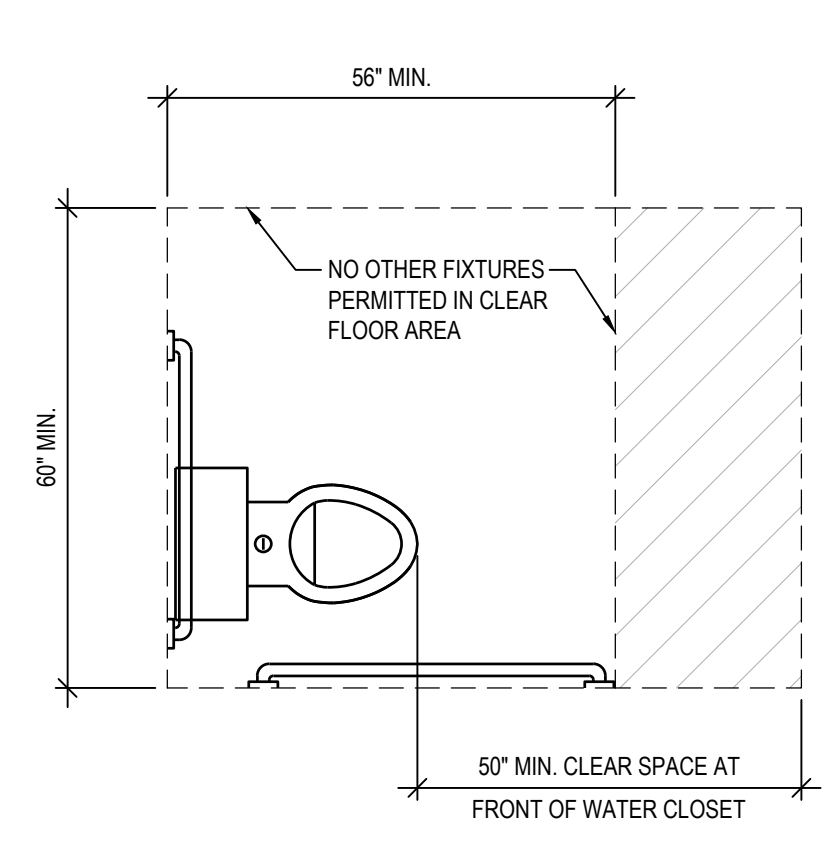
**1 LATERAL BRACING @ FREE - STANDING WALLS**  
 SCALE: N.T.S.



**8 ACCESSIBLE LAVATORY PLAN & ELEVATION**  
 SCALE: 1/2" = 1'-0"

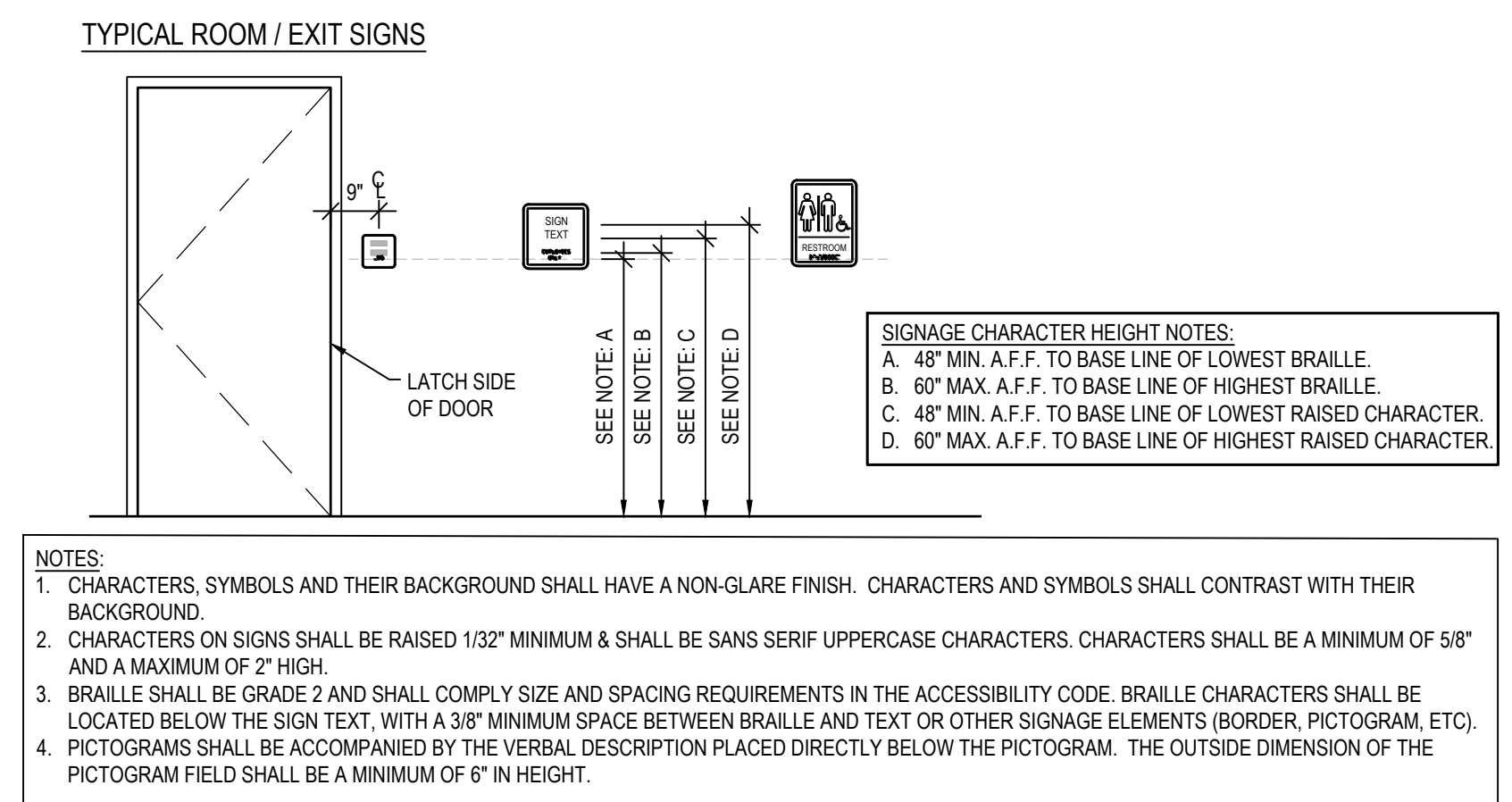


**7 ACCESSIBLE WATER CLOSET ELEVATIONS**  
 SCALE: 1/2" = 1'-0"

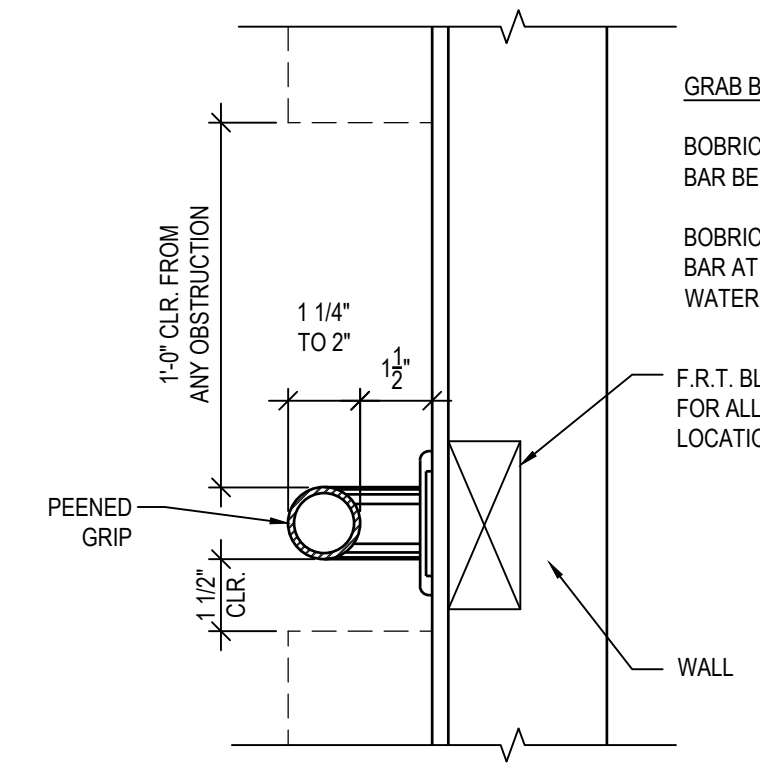


**6 ACCESSIBLE TOILET**  
 SCALE: 1/2" = 1'-0"

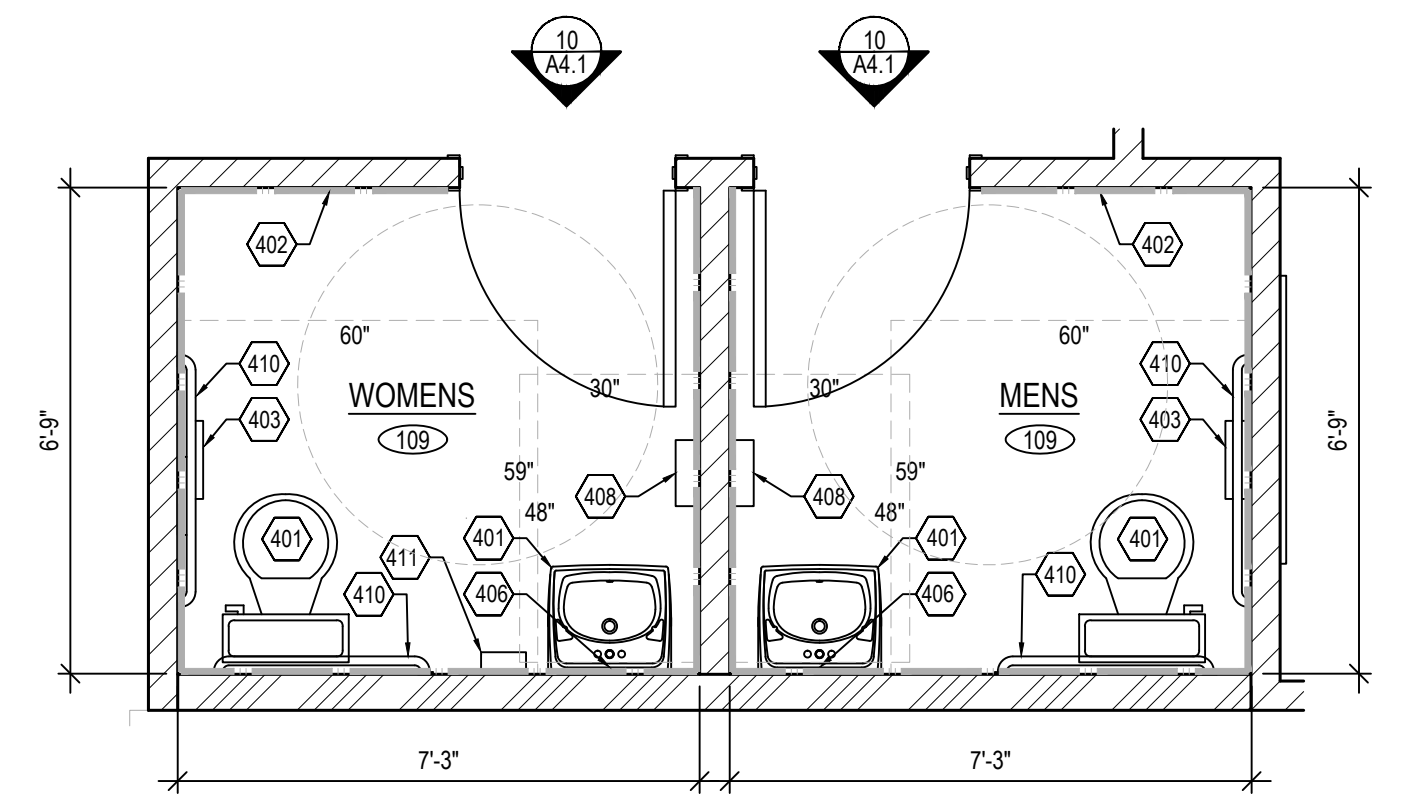
- GENERAL NOTES**
- SEE TYPICAL RESTROOM DETAILS THIS SHEET FOR ADDITIONAL INFORMATION.
  - SEE A1.1, & A4.1 FOR KEY NOTE REFERENCES, WALL TYPE REFERENCES, AND ADDITIONAL INFORMATION.
  - SEE PLUMBING SHEET FOR FIXTURE TYPES.
  - FURNISH ALL HARDWARE AS REQUIRED. PROVIDE ADJUSTABLE SHELVES AND REQUIRED HARDWARE WHERE SHOWN. (NO VISIBLE HARDWARE)
  - SEE ELECTRICAL & PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- 400 SERIES KEY NOTES**
- RESTROOM FIXTURES, SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
  - DASHED LINE INDICATES PROVIDE AND INSTALL CT-1 ON WALL TO 4'-0" A.F.F. SEE FINISH SCHEDULE A1.2 FOR ADDITIONAL INFO.
  - TOILET PAPER DISPENSER BRADLEY CORP MODEL: #5241, OR APPROVED EQUAL.
  - NOT USED.
  - MIRROR LOCATION - SEE DETAIL 8/A4.1 FOR MOUNTING HEIGHTS AND DIMENSIONS.
  - NOT USED.
  - SURFACE MOUNTED PAPER TOWEL DISPENSER BRADLEY CORP MODEL #250-15, OR APPROVED EQUAL.
  - NOT USED.
  - GRAB BARS. SEE DETAILS 7 & 9/A4.1 FOR ADDITIONAL INFORMATION.
  - SANITARY NAPKIN DISPOSAL BOBRICK MODEL: #B-270, OR APPROVED EQUAL.



**10 SIGN DETAILS**  
 SCALE: N.T.S.



**9 GRAB BAR SECTION**  
 SCALE: N.T.S.

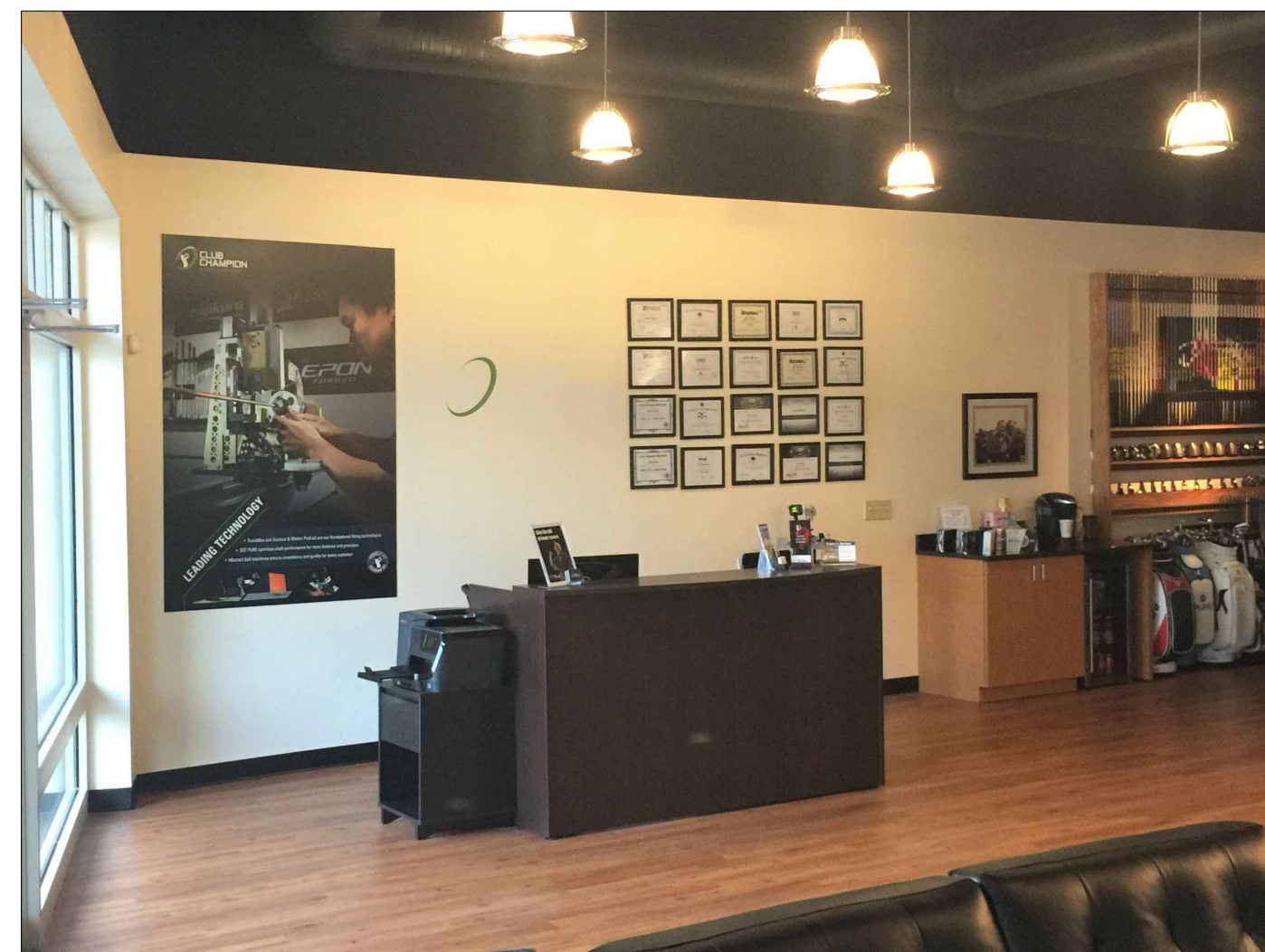


**5 ENLARGED RESTROOM PLAN**  
 SCALE: 3/8" = 1'-0"

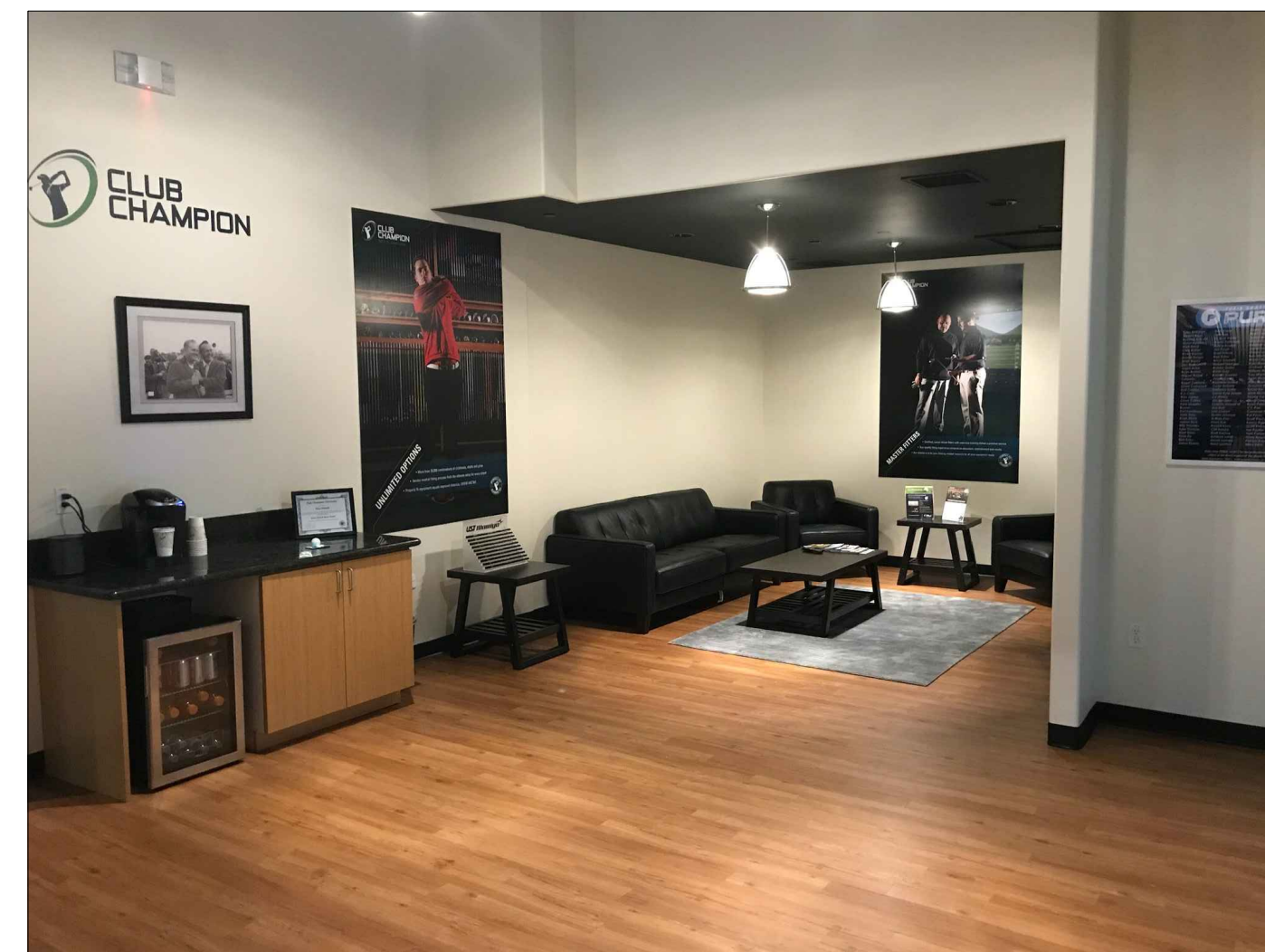
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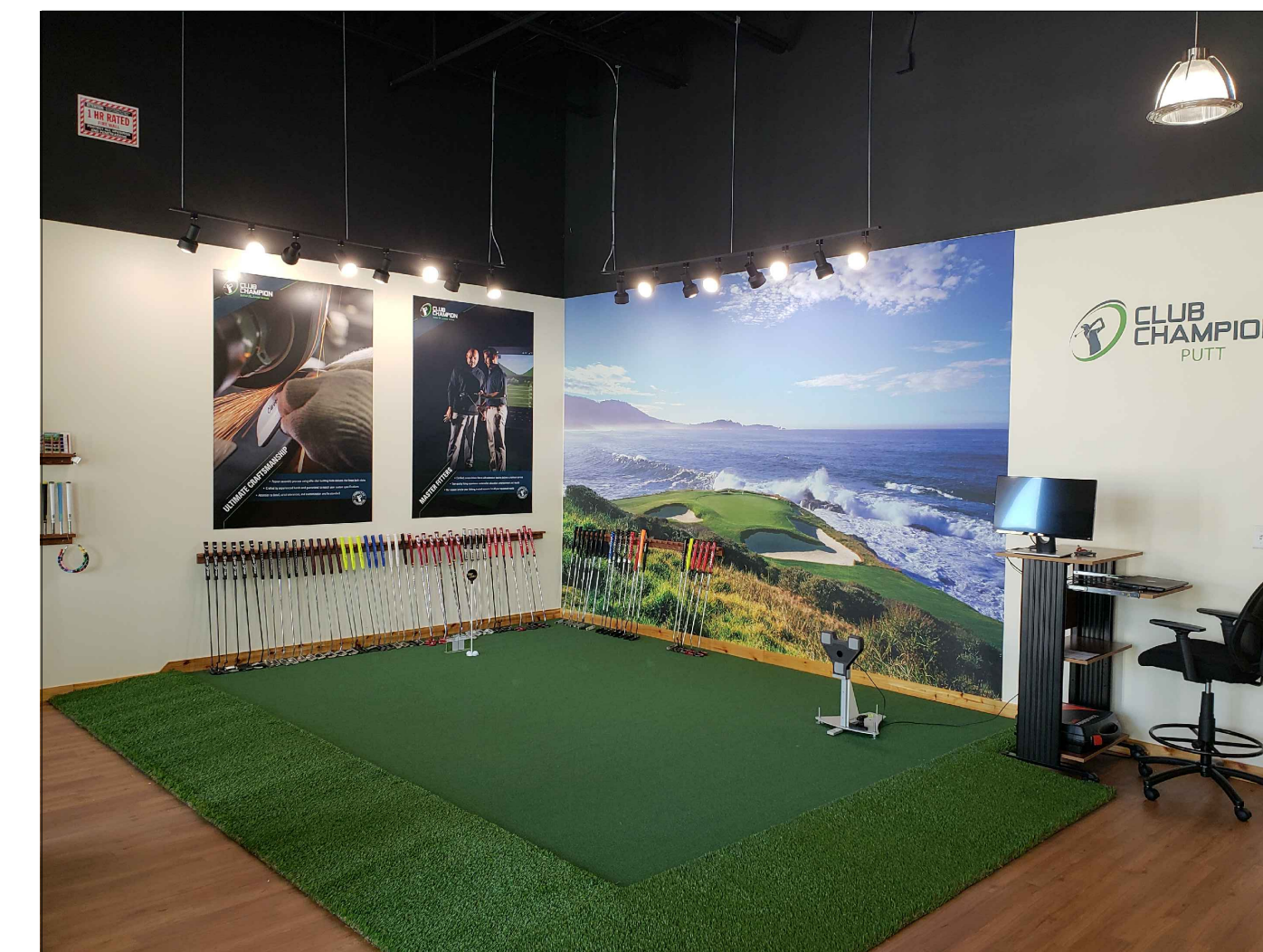
**WALL TYPES & DETAILS**  
 DATE: 06/01/21  
 JOB NO.: 21140  
**A4.1**  
 SHEET NO.



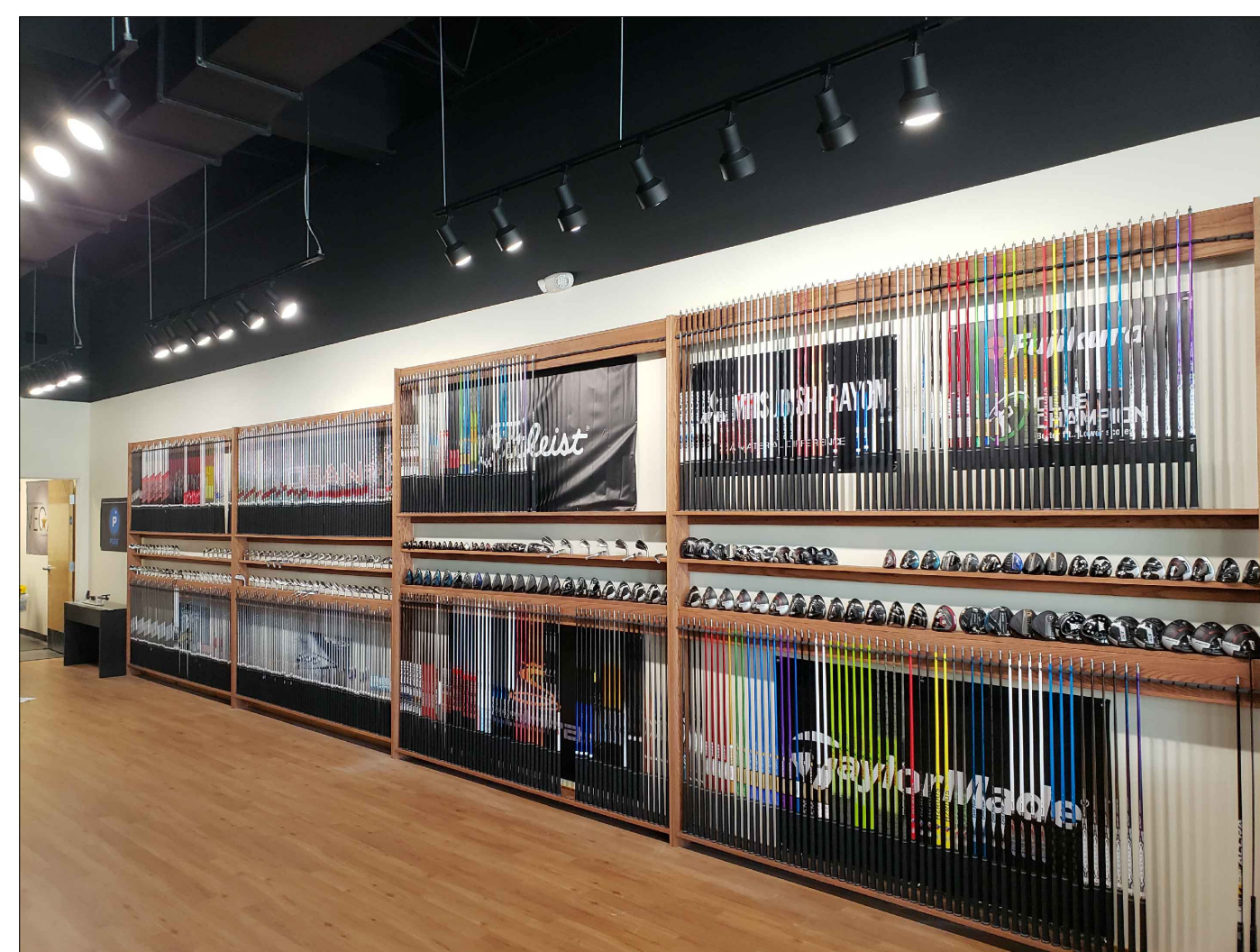
1 RECEPTION AREA  
A5.0 SCALE: NTS



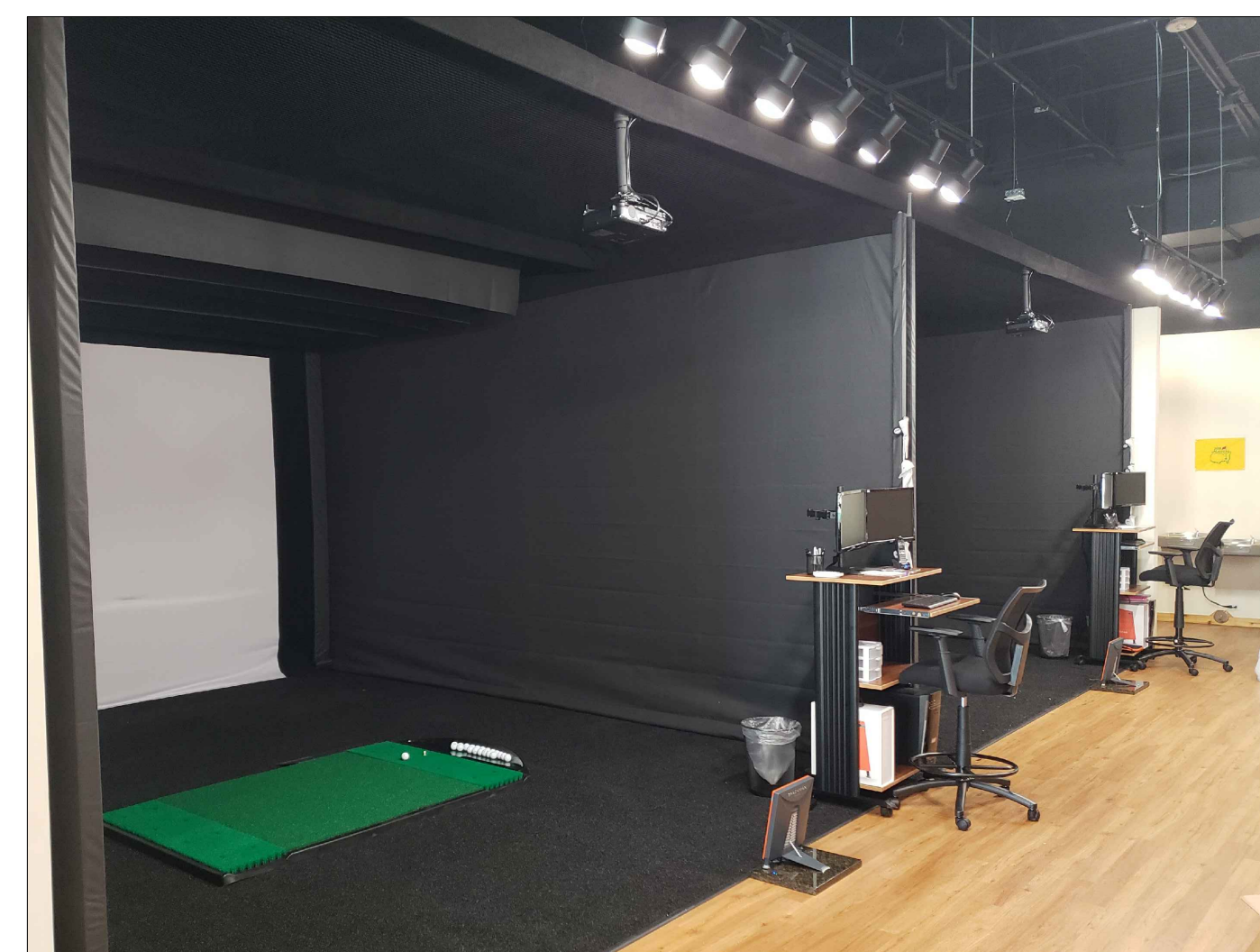
2 CONSULTATION AREA  
A5.0 SCALE: NTS



3 PUTTING GREEN  
A5.0 SCALE: NTS



4 CLUB DISPLAY WALL  
A5.0 SCALE: NTS

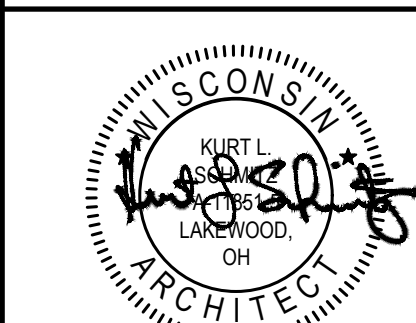


5 SWING ROOMS  
A5.0 SCALE: NTS



6 WORK ROOM  
A5.0 SCALE: NTS

NOTE:  
PROTOTYPICAL IMAGES ARE FOR REFERENCE  
ONLY. SEE PLANS FOR SITE SPECIFIC DESIGN.



**KLS**  
ARCHITECT  
Kurt L. Schmitz, Architect  
17710 Detroit Avenue, Lakewood, Ohio 44107  
Phone (216) 521-5134 • Fax (216) 521-4824 • www.klsarchitects.co

**CLUB CHAMPION GOLF**  
MADISON, WI 53705  
6629 MINERAL POINT RD.  
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REFERENCE IMAGES

DATE 06/01/21  
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**A5.0**  
SHEET NO.



NOTE:  
GENERAL CONTRACTOR TO COORDINATE ALL ROOF PENETRATIONS WITH LANDLORD'S ROOFING CONTRACTOR IN ORDER TO NOT VOID ROOF WARRANTY.

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
SA	SUPPLY AIR
SR	SUPPLY REGISTER
EA	EXHAUST AIR
EF	EXHAUST FAN
EG	EXHAUST GRILLE
CD	CEILING DIFFUSER
OA	OUTSIDE AIR
RA	RETURN AIR
RTU	ROOFTOP UNIT
AFF	ABOVE FINISH FLOOR
MC	MECHANICAL CONTRACTOR
PC	PLUMBING CONTRACTOR
EC	ELECTRICAL CONTRACTOR
GC	GENERAL CONTRACTOR
T	THERMOSTAT (MTO 4'-0" AFF)
S	DUCT MOUNTED SMOKE DETECTOR
F	FLEXIBLE DUCT (5'-0" MAX. LENGTH)
FC	FLEXIBLE DUCT CONNECTOR
M	MANUAL VOLUME DAMPER
E	ELBOW W/ DBL THICKNESS TURNING VANES
FRE	FRESH RETURN EXHAUST AIR DUCT
SA DUCT	SUPPLY AIR DUCT

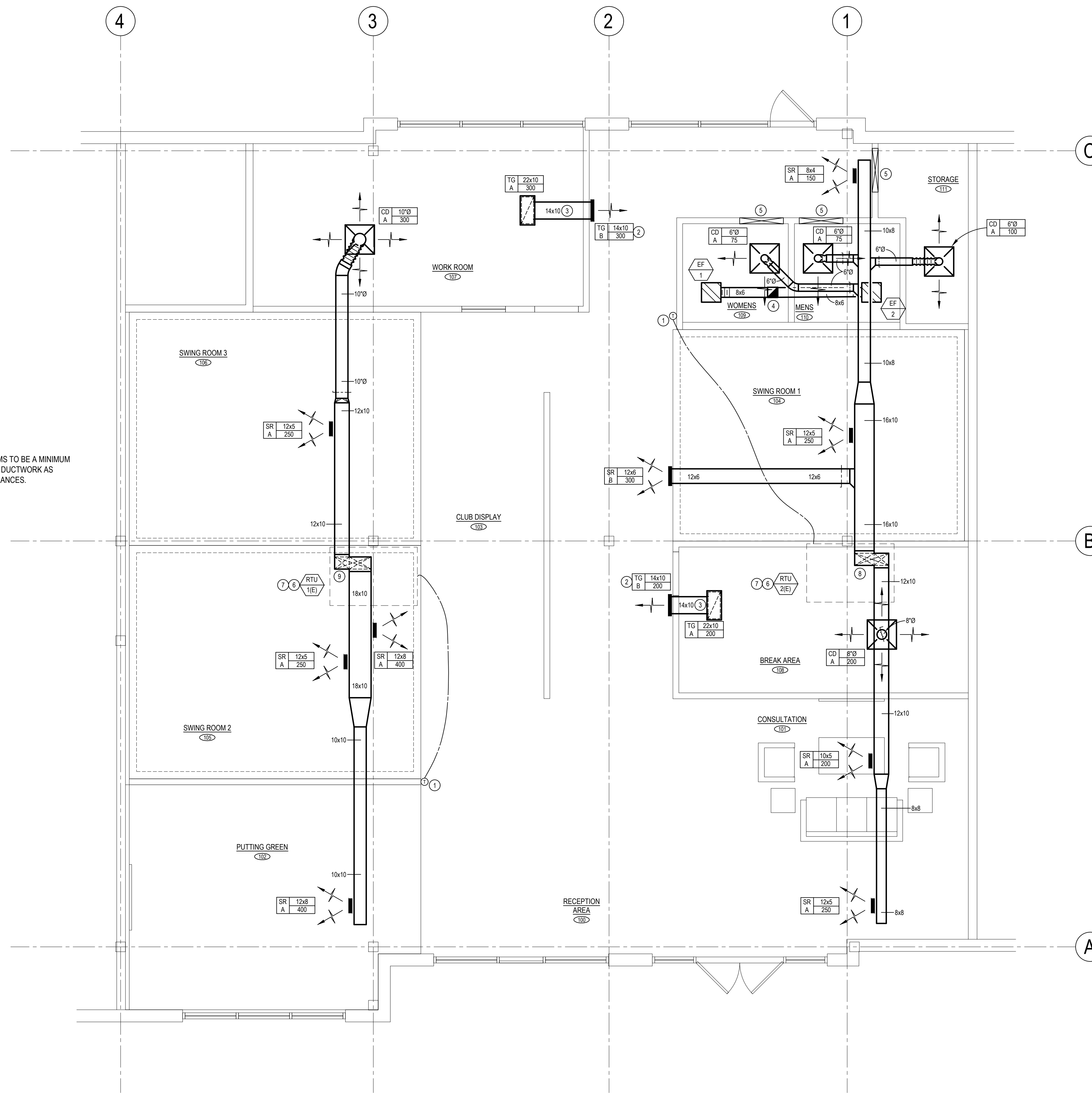
**MECHANICAL GENERAL NOTES:**

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE MECHANICAL CONTRACTOR SHALL INCLUDE ALL NEEDED OFFSETS, CHANGES IN DIRECTION, TRANSITIONS, ETC. NEEDED FOR COMPLETE AND OPERATIONAL SYSTEMS.
- PERFORM ALL WORK IN ACCORDANCE WITH THE RULES & REGULATIONS OF THE APPROPRIATE STATE AND LOCAL BUILDING CODES AND SUBTITLES.
- QUESTIONS REGARDING THESE DRAWINGS SHALL BE ADDRESSED TO THE ENGINEER PRIOR TO THE AWARDED OF THE CONTRACT. OTHERWISE THE ENGINEER'S INTERPRETATION OF THE MEANING AND INTENT OF THE DRAWINGS SHALL BE FINAL.
- HVAC SYSTEM HAS A PLENUM RETURN. NO COMBUSTIBLE MATERIALS SHALL BE INSTALLED IN PLENUM RETURN. IN THE EVENT A COMBUSTIBLE MATERIAL IS PRESENT OR INSTALLED, A 3M MODEL SA OR EQUAL PLENUM WRAP SHALL BE INSTALLED TO ENCLOSE COMBUSTIBLE MATERIALS.
- ALL ROOFING WORK TO BE COORDINATED WITH LANDLORD AND LANDLORD'S ROOFING CONTRACTOR TO MAINTAIN ROOFING WARRANTIES.

**MECHANICAL PLAN TAG NOTES:**

- THERMOSTAT MOUNTED ON WALL AT 4'-0" A.F.F. TO CONTROL ROOFTOP UNIT AS INDICATED ON PLAN.
- MOUNT TRANSFER AIR GRILLE AS HIGH AS POSSIBLE.
- MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL TRANSFER AIR DUCT WITH 1" THICK ACOUSTIC LINING.
- 8x8 EXHAUST AIR DUCT RISER THRU ROOF IN PRE-FAB INSULATED ROOF CURB TO GOOSENECK WITH BIRDSCREEN. COORDINATE ROOF OPENING AND ROOFING REPAIR WITH LANDLORD AND LANDLORD'S ROOFING CONTRACTOR.
- 1" TOTAL FREE AREA BETWEEN FLOORING AND BOTTOM OF DOOR. UNDERCUT DOOR BY GENERAL CONTRACTOR.
- MECHANICAL CONTRACTOR SHALL COORDINATE WITH EXISTING ROOFTOP UNIT TO CONFIRM THE EXISTENCE OF A SMOKE DETECTOR IN THE RETURN AIR DUCT. IF NONE EXISTS, THEN MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL SMOKE DETECTOR IN THE RETURN AIR DUCT. MECHANICAL CONTRACTOR SHALL FURNISH, INSTALL AND WIRE REMOTE TEST STATION WITH AUDIO VISUAL ALARM "SYSTEM SENSOR" MODEL RTS2-AGS NEAR ELECTRICAL PANELS OR AT A LOCATION APPROVED BY THE AUTHORITY HAVING JURISDICTION. MECHANICAL CONTRACTOR SHALL WIRE DETECTORS TO FIRE ALARM SYSTEM (IF REQUIRED).
- MECHANICAL CONTRACTOR SHALL FIELD VERIFY EXISTING TONNAGE AND LOCATION OF EXISTING ROOFTOP UNIT PRIOR TO STARTING WORK AND PROVIDE WRITTEN DOCUMENTATION TO ARCHITECT OF EQUIPMENT MANUFACTURER, MODEL NUMBER AND GENERAL CONDITION OF EXISTING EQUIPMENT. PROVIDE NEW DUCTWORK AS INDICATED ON PLAN. IF EXISTING ROOFTOP UNIT IS LESS THAN 4 TONS, THEN MECHANICAL CONTRACTOR SHALL CONTACT ARCHITECT / ENGINEER OF RECORD. THE RETURN AIR SYSTEM IS TO BE AN OPEN RETURN. EXTEND RETURN AIR DUCT FULL SIZE AS HIGH AS POSSIBLE. COVER RETURN AIR DUCT OPENING WITH 1" WIRE MESH SCREEN. FURNISH AND INSTALL RETURN AIR DUCT WITH 1" THICK ACOUSTIC LINING.
- EXISTING SUPPLY AIR MAIN DUCT DROP DOWN THRU ROOF TRANSITION TO A 28x10 IN DROP AS HIGH AS POSSIBLE AND PROPORTIONALLY SPLIT INTO (1) 16x10 AND (1) 12x10 SUPPLY AIR DUCTS AS SHOWN. FIELD VERIFY EXACT LOCATION OF EXISTING ROOFTOP UNIT AND SUPPLY AIR MAIN DROP DOWN THRU ROOF PRIOR TO STARTING WORK.
- EXISTING SUPPLY AIR MAIN DUCT DROP DOWN THRU ROOF TRANSITION TO A 30x10 IN DROP AS HIGH AS POSSIBLE AND PROPORTIONALLY SPLIT INTO (1) 18x10 AND (1) 12x10 SUPPLY AIR DUCTS AS SHOWN. FIELD VERIFY EXACT LOCATION OF EXISTING ROOFTOP UNIT AND SUPPLY AIR MAIN DROP DOWN THRU ROOF PRIOR TO STARTING WORK.

NOTE:  
ANY DUCTWORK LOCATED IN SWING ROOMS TO BE A MINIMUM OF 12'-6" ABOVE FINISHED FLOOR. MODIFY DUCTWORK AS NECESSARY TO MAINTAIN MINIMUM CLEARANCES.



**MECHANICAL PLAN**

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



DO NOT SCALE THESE DRAWINGS

**REVISIONS**

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**MECHANICAL PLAN**

DATE 06/01/21

JOB NO. 21140

**M1.0**

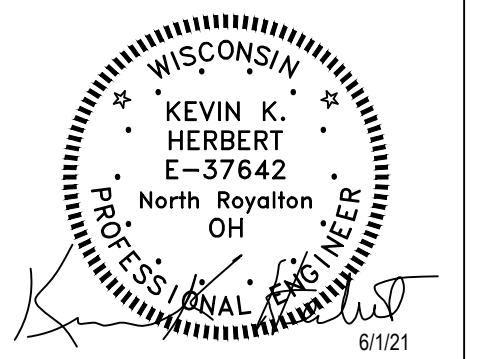
SHEET NO.

**CLUB CHAMPION GOLF**

MADISON, WI 53705

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**KLS ARCHITECT**

Kurt L. Schmitz, Architect  
17110 Oak of Reading  
Madison, WI 53747  
Phone (761) 521-5134 • Fax (761) 521-4824 • www.klsarchitects.com

**REFURBISH NOTE:**

MECHANICAL CONTRACTOR SHALL REFURBISH EXISTING ROOFTOP UNITS TO PROPER WORKING CONDITION COMPLETE BUT NOT LIMITED TO CLEANING INSIDE AND OUTSIDE OF UNITS, CHANGE BELTS, CHANGE FILTERS, LUBRICATE MOTORS, LUBRICATE EVAPORATOR AND CONDENSING COILS, ETC. PERFORM A FULL TEST AND ANALYSIS TO SERVICE UNITS TO PROPER WORKING CONDITION. PROVIDE DOCUMENTATION CONCERNING THE CONDITION, PRESSURE READINGS AND AMP READINGS AND REPAIR/REPLACE ANY PARTS THAT MAY BE OPERATING, BUT WILL SOON NEED REPLACEMENT. GENERAL CONTRACTOR TO WARRANTY EXISTING UNIT FOR ONE (1) YEAR FROM DATE OF STORE OPENING.

VENTILATION AIR REQUIREMENT						
HVAC UNIT	AREA SERVED	OCCUPANT LOAD	REQUIRED VENTILATION	O.A. REQUIRED (CFM)	O.A. (MIN.) SUPPLIED (CFM)	REMARKS
RTU (1E) & (2E)	RECEPTION AREA 100	2 PEOPLE (324 SF)	((5 CFM PER PERSON) + (.06 CFM PER SF)) x 1.25	37	40	PER THE WISCONSIN MECHANICAL CODE
	CONSULTATION 101	4 PEOPLE (324 SF)	((5 CFM PER PERSON) + (.06 CFM PER SF)) x 1.25	49	50	PER THE WISCONSIN MECHANICAL CODE
RTU (1E)	PUTTING GREEN 102	2 PEOPLE (298 SF)	((20 CFM PER PERSON) + (.06 CFM PER SF)) x 1.25	72	80	PER THE WISCONSIN MECHANICAL CODE
RTU (1E) & (2E)	CLUB DISPLAY (SALES) 103	8 PEOPLE (459 SF)	((7.5 CFM PER PERSON) + (.12 CFM PER SF)) x 1.25	144	145	PER THE WISCONSIN MECHANICAL CODE
RTU (2E)	SWING ROOM 1 104	1 PERSON (290 SF)	((20 CFM PER PERSON) + (.06 CFM PER SF)) x 1.25	47	50	PER THE WISCONSIN MECHANICAL CODE
RTU (1E)	SWING ROOM 2 105	1 PERSON (320 SF)	((20 CFM PER PERSON) + (.06 CFM PER SF)) x 1.25	49	50	PER THE WISCONSIN MECHANICAL CODE
	SWING ROOM 3 106	1 PERSON (320 SF)	((20 CFM PER PERSON) + (.06 CFM PER SF)) x 1.25	49	50	PER THE WISCONSIN MECHANICAL CODE
	WORK ROOM 107	2 PEOPLE (268 SF)	((7.5 CFM PER PERSON) + (.12 CFM PER SF)) x 1.25	59	60	PER THE WISCONSIN MECHANICAL CODE
RTU (2E)	BREAK AREA 108	2 PEOPLE (199 SF)	((5 CFM PER PERSON) + (.06 CFM PER SF)) x 1.25	27	40	PER THE WISCONSIN MECHANICAL CODE
	STORAGE 111	1 PERSON (62 SF)	((5 CFM PER PERSON) + (.06 CFM PER SF)) x 1.25	11	20	PER THE WISCONSIN MECHANICAL CODE
	CORRIDORS	157 SF	(.06 CFM PER SF) x 1.25	12	25	PER THE WISCONSIN MECHANICAL CODE
EF 1	WOMENS 109	1 WC	70 CFM EXH./WC	70 EXH.	100 EXH.	QUANTITIES ARE EXHAUST (15 CFM OF OA - RTU-2(E))
EF 2	MENS 110	1 WC	70 CFM EXH./WC	70 EXH.	100 EXH.	QUANTITIES ARE EXHAUST (15 CFM OF OA - RTU-2(E))

NOTE:  
PER THE WISCONSIN MECHANICAL CODE BREATHING ZONE OUTDOOR AIR FLOW (CFM)  $Vbz = RpPz + RaAz \times 1.25$   
WHERE  
Az = ZONE FLOOR AREA  
Pz = POPULATION  
Rp = TABLE 6.1 OUTDOOR AIR PER PERSON  
Ra = TABLE 6.1 OUTDOOR AIR PER AREA

NOTE: MECHANICAL CONTRACTOR TO SET (2) EXISTING 4 TON ROOFTOP UNITS (RTU-1(E) & RTU-2(E)) TO SUPPLY 20% OUTSIDE AIR OR 320 CFM OF OUTSIDE AIR EACH FOR A TOTAL OF 640 CFM OF OUTSIDE AIR.

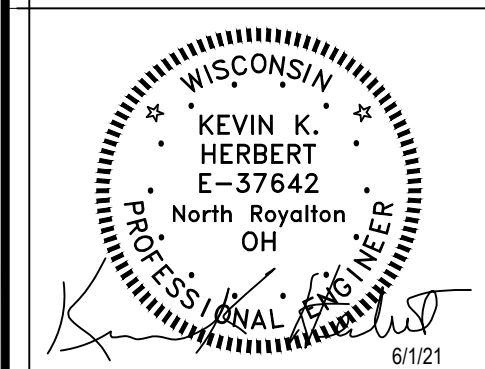
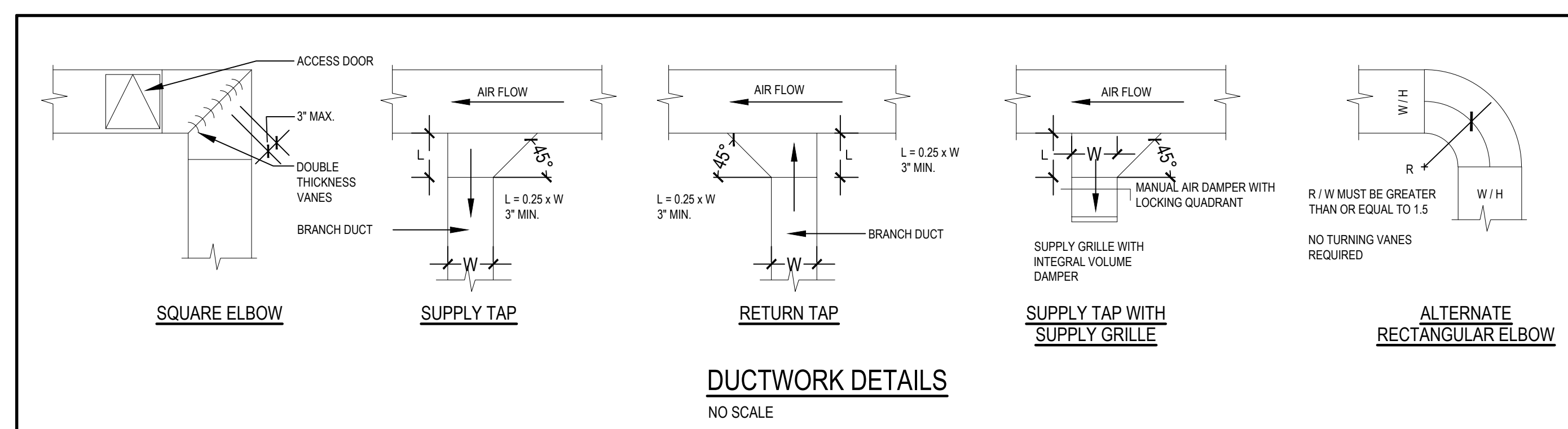
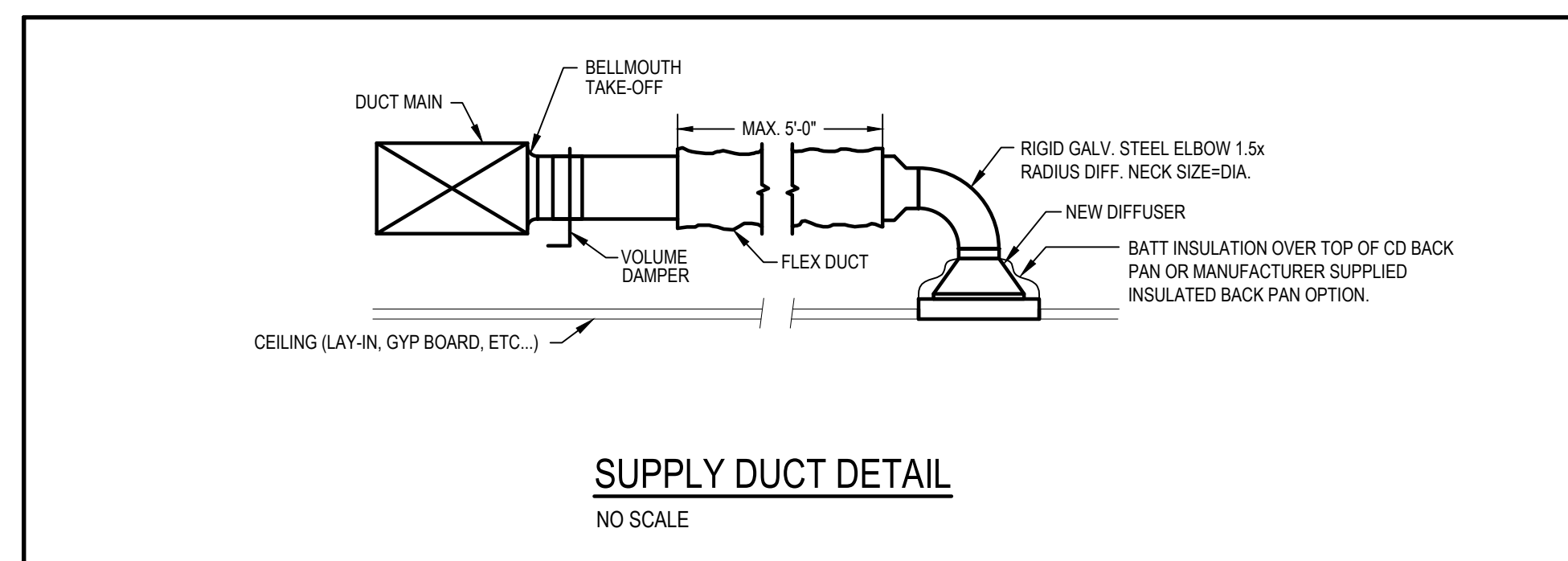
GRILLE, REGISTER AND DIFFUSER SCHEDULE											
TAG	MANUFACTURER & MODEL NUMBER	CFM	AIR PATTERN	NECK SIZE	DAMPER	FRAME STYLE	PANEL SIZE	MAXIMUM NO. LEVEL	FINISH	MATERIAL	REMARKS
CD A	PRICE SPD	AS NOTED	AS SHOWN	AS NOTED	OPPOSED BLADE	LAY-IN CEILING	24x24	30	WHITE POWDER COAT	STEEL	
SR A	PRICE 520D	AS NOTED	DOUBLE DEFLECTION	AS NOTED	AIR EXTRACTOR	DUCT MOUNTED	NECK SIZE + 1-3/4"	30	WHITE POWDER COAT	STEEL	
SR B	PRICE 520D	AS NOTED	DOUBLE DEFLECTION	AS NOTED	OPPOSED BLADE	SURFACE MOUNTED	NECK SIZE + 1-3/4"	30	WHITE POWDER COAT	STEEL	
TG A	PRICE 81	AS NOTED	TRANSFER	AS NOTED	-	LAY-IN CEILING	24x12	30	WHITE POWDER COAT	ALUMINUM	
TG B	PRICE 535	AS NOTED	TRANSFER	AS NOTED	-	WALL MOUNTED	NECK SIZE + 1-3/4"	30	WHITE POWDER COAT	STEEL	
SIMILAR MANUFACTURERS: TITUS, KRUEGER, METALAIR											

FAN SCHEDULE											
PLAN TAG	MANUFACTURER & MODEL NUMBER	AREA SERVED	SERVICE	CFM	ESP	WATTS & VOLTAGE	FAN RPM	FAN TYPE	MAX. SOUND LEVEL	WEIGHT (LBS)	REMARKS
EF 1	GREENHECK SP-A190	WOMEN'S 109	EXHAUST	100	.3"	113 WATTS 120V/10	1400	CEILING MTD.	3.4 SONES	17	SEE NOTES BELOW
EF 2	GREENHECK SP-A190	MEN'S 110	EXHAUST	100	.3"	113 WATTS 120V/10	1400	CEILING MTD.	3.4 SONES	17	SEE NOTES BELOW

NOTES: PROVIDE WITH THE FOLLOWING ITEMS:  
1. DISCONNECT SWITCH  
2. GRAVITY BACKRAFT DAMPER  
3. INTEGRAL SPEED CONTROL SWITCH FOR BALANCING  
4. METAL CEILING GRILLE  
5. CONTROLLED BY LIGHT SWITCH (WHEN LIGHT SWITCH IS ACTIVATED THE FAN WILL ENGAGE)  
6. 14" HIGH PRE-FAB ROOF CURB (FIELD VERIFY IF ROOF IS SLOPED OR FLAT AND PROVIDE PROPER CURB)  
7. HANGING KIT WITH NEOPRENE VIBRATION ISOLATORS  
SIMILAR MANUFACTURERS: COOK, JENNAIR, PENN

DUCTWORK SCHEDULE				
DUCT SYSTEM	SMACNA PRESSURE CLASS	SMACNA SEAL CLASS	DUCT MATERIAL	INSULATION
EXPOSED SUPPLY AIR DUCTWORK	2" W.C.	B	GALVANIZED STEEL	REFER TO SPECIFICATIONS
CONCEALED SUPPLY AIR DUCTWORK	2" W.C.	B	GALVANIZED STEEL	2" DUCT WRAP
RETURN AIR DUCTWORK	1" W.C.	C	GALVANIZED STEEL	1" DUCT LINING
TRANSFER AIR DUCTWORK	1" W.C.	C	GALVANIZED STEEL	1" DUCT LINING
EXHAUST AIR DUCTWORK	1" W.C.	C	GALVANIZED STEEL	NONE

NOTE: ALL DUCTWORK SIZES ARE AIRWAY DIMENSIONS



**KILS ARCHITECT**  
Kurt L. Schmitz, Architect  
17710 Oakleaf Avenue, Suite 116, Cleveland, Ohio 44107  
Phone (216) 521-5134 • Fax (216) 521-1424 • www.kilsarchitects.com

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**MECHANICAL SCHEDULES & DETAILS**  
DATE: 06/01/21  
JOB NO.: 21140  
**M2.0**  
SHEET NO.

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**MECHANICAL GENERAL**

- A. THE CONTRACTOR FOR THIS WORK IS REFERRED TO "INSTRUCTIONS TO BIDDERS" AND "GENERAL CONDITIONS" AND "SPECIAL CONDITIONS" AS PART OF THIS CONTRACT.
- B. CONTRACTOR ALSO REFERRED TO ALL ARCHITECTURAL, ELECTRICAL AND OTHER OWNER DRAWINGS PERTAINING TO PROJECT. ALL OF ABOVE MENTIONED DRAWINGS, AS WELL AS THEIR RESPECTIVE SPECIFICATIONS, ARE A PART OF CONTRACT DOCUMENTS.
- C. MECHANICAL DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER, FURNISH ANY MATERIAL OR LABOR CALLED FOR IN ONE EVEN THOUGH NOT SPECIFICALLY MENTIONED IN BOTH.
- D. INSTALL AND CONNECT EQUIPMENT, SERVICES AND MATERIALS IN ACCORDANCE WITH BEST ENGINEERING PRACTICE AND ACCORDANCE WITH VARIOUS MANUFACTURERS WRITTEN INSTRUCTIONS AND RECOMMENDATIONS. FURNISH AND INSTALL COMPLETE AUXILIARY PIPING, VALVES, WATER SEALS, ELECTRICAL CONNECTIONS, ETC., RECOMMENDED BY MANUFACTURER OR REQUIRED FOR PROPER OPERATION.
- E. FURNISH MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON DRAWINGS OR CALLED FOR IN SPECIFICATIONS BUT WHICH IS OBVIOUSLY A COMPONENT PART OF AND NECESSARY TO COMPLETE WORK OF SIMILAR CHARACTER.
- F. THIS CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS OR LICENSES REQUIRED TO CARRY OUT THIS WORK. HE SHALL PAY FOR ALL CHARGES MADE BY INSPECTION. NOTE: ALL CONTRACTORS SHALL BE LICENSED IN THE COUNTY, CITY, ETC. TO PERFORM ALL NEW WORK.
- G. THIS CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES AND ALL LOCAL LEGAL REQUIREMENTS. ALL LAWS, RULES AND REGULATIONS OF STATE AND LOCAL GOVERNING AGENCIES SHALL BE CONSIDERED A PART OF THESE SPECIFICATIONS AS FULLY AS IF WRITTEN HEREIN.
- H. THIS CONTRACTOR SHALL TAKE OUT PERMIT WITH PROVISIONS OF INSPECTION BEFORE STARTING ANY WORK. FEE FOR SAME SHALL BE PART OF THIS CONTRACT.
- I. WHEN WORK IS COMPLETED, THIS CONTRACTOR SHALL FURNISH TO THE ARCHITECT CERTIFICATES OF APPROVAL FROM THE RESPONSIBLE INSPECTION AGENCIES.
- J. TESTING OF ALL WORK UNDER THIS CONTRACT SHALL BE DONE BY THE CONTRACTOR IN THE PRESENCE OF THE OWNER OR HIS REPRESENTATIVE. ALL APPARATUS, EQUIPMENT, FIXTURES, ETC., SHALL FULLY MEET THE REQUIREMENTS OF THESE SPECIFICATIONS AND DRAWINGS.
- K. THE BID SHALL CONTEMPLATE THE FURNISHING AND INSTALLING OF MATERIAL AND EQUIPMENT, EXACTLY AS SPECIFIED OR SHOWN AS SIMILAR BY THE CONTRACT DOCUMENTS.
- L. CONTRACTOR SHALL GUARANTEE HIS WORK TO BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE.
- M. THIS CONTRACTOR SHALL VISIT SITE BEFORE SUBMITTING BID AND MAKE ALL NECESSARY OBSERVATIONS, MEASUREMENTS, AND NOTE CONDITIONS UNDER WHICH HIS WORK IS TO BE PERFORMED. NO EXTRA COMPENSATION WILL BE ALLOWED FOR FAILURE TO DO SO. THIS CONTRACT INVOLVES REMODELING OF EXISTING BUILDING AND THEREFORE SHALL FIELD LOCATE EXISTING DUCTWORK, PIPING AND SEWERS BEFORE STARTING WORK.
- N. SUBMIT SHOP DRAWINGS COMPLETE WITH CONTRACTORS REVIEW AND APPROVAL STAMP, CATALOG SHEETS, ETC., IN SIX (6) COPIES TO THE ARCHITECT FOR REVIEW. EACH CONTRACTOR IS RESPONSIBLE TO DISTRIBUTE APPROVED SHOP DRAWINGS TO ALL OTHER TRADES AFFECTED BY HIS WORK, EQUIPMENT, ETC., FOR COORDINATION.
- O. ALL CONTRACTORS MUST COORDINATE EACH PIECE OF EQUIPMENT WITH ALL OTHER TRADES AFFECTED BY THAT PIECE OF EQUIPMENT PRIOR TO ORDERING EQUIPMENT AND AGAIN PRIOR TO INSTALLATION. NO EXTRA COMPENSATION WILL BE APPROVED IF COORDINATION IS NOT PERFORMED BY EACH RESPECTIVE CONTRACTOR AND SUBCONTRACTOR.
- P. CONTRACTOR HAS EXAMINED THE CONTRACT DOCUMENTS AND REPRESENTS TO OWNER THAT THE CONTRACT DOCUMENTS ARE COMPLETE AND SUFFICIENT AND INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK FOR THE CONTRACT SUM. CONTRACTOR FURTHER REPRESENTS THAT THE CONTRACTOR HAS VISITED THE SITE AND HAS BECOME FAMILIAR WITH THE ACCESS REQUIREMENTS AND ALL OTHER CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND HAS RECEIVED ALL CLARIFICATIONS NEEDED BY CONTRACTOR TO ASSURE ITSELF THAT THE WORK CAN BE PERFORMED FOR THE CONTRACT SUM. IF THERE IS ANY INCONSISTENCY IN THE QUALITY OR QUANTITY OF WORK REQUIRED UNDER THE CONTRACT DOCUMENTS, OR SHOULD THE DRAWINGS AND SPECIFICATIONS APPEAR TO BE IN DISAGREEMENT WITH EACH OTHER RELATIVE TO THE QUALITY OR QUANTITY OF WORK REQUIRED, THE CONTRACTOR SHALL PROVIDE THE BETTER QUALITY AND/OR GREATER QUANTITY UNLESS WRITTEN INSTRUCTIONS ARE OTHERWISE FURNISHED TO CONTRACTOR BY OWNER.
- Q. DEVIATIONS FROM THESE CONSTRUCTION DOCUMENTS WITHOUT WRITTEN OWNER OR ARCHITECT CONSENT WILL BE AT RISK TO THE G.C. ANY EFFORT MADE BY THE ARCHITECT AND/OR ENGINEER TO MODIFY THE CONSTRUCTION DOCUMENTS OR LETTERS OF RESPONSIBILITY FOR APPROVAL BY INSPECTORS DUE TO WORK PERFORMED BY CONTRACTOR OTHER THAN THE ORIGINAL DESIGN MAY BE BILLED TO CLIENT AS A CHANGE IN SERVICES MAY WILL BACK CHARGE TO G.C. AS A DEDUCT FROM THEIR PAYMENTS.
- R. NOTE: THE MECHANICAL AND PLUMBING CADD FILES OF THE CONSTRUCTION DOCUMENTS ARE THE INTELLECTUAL PROPERTY OF POINT ONE DESIGN, LLC, AND WILL NOT BE AVAILABLE FOR THE CONSTRUCTION PHASE UNLESS MET WITH A REDUCTION IN COST TO THE OWNER AND/OR PURCHASED AT A NOMINAL RATE PER DRAWING (TO BE NEGOTIATED).
- S. FIRESTOPPING
  - 1. MANUFACTURERS: DOW CORNING CORP., HILTI CORP., 3M FIRE PROTECTION PRODUCTS, SPECIFIED TECHNOLOGY INC. OR METRAFLIX.
  - 2. PRODUCT DESCRIPTION: DIFFERENT TYPES OF PRODUCTS BY MULTIPLE MANUFACTURERS ARE ACCEPTABLE AS REQUIRED TO MEET SPECIFIED SYSTEM DESCRIPTION AND PERFORMANCE REQUIREMENTS; PROVIDE ONLY ONE TYPE FOR EACH SIMILAR APPLICATION.
    - a. SILICONE FIRESTOPPING ELASTOMERIC FIRESTOPPING: SINGLE OR MULTIPLE COMPONENT SILICONE.
    - b. ELASTOMERIC COMPOUND AND COMPATIBLE SILICONE SEALANT.
    - c. FOAM FIRESTOPPING COMPOUNDS: SINGLE OR MULTIPLE COMPONENT FOAM COMPOUND.
    - d. FORMULATED FIRESTOPPING COMPOUND OF INCOMBUSTIBLE FIBERS; FORMULATED COMPOUND MIXED WITH INCOMBUSTIBLE NON-ASBESTOS FIBERS.
    - e. FIBER STUFFING AND SEALANT FIRESTOPPING: COMPOSITE OF MINERAL FIBER STUFFING INSULATION WITH SILICONE ELASTOMER FOR SMOKE STOPPING.
    - f. MECHANICAL FIRESTOPPING DEVICE WITH FILLERS: MECHANICAL DEVICE WITH INCOMBUSTIBLE FILLERS AND SILICONE ELASTOMER, COVERED WITH SHEET STAINLESS STEEL JACKET, JOINED WITH COLLARS, PENETRATION SEALED WITH FLANGED STOPS.
    - g. INTUMESCENT FIRESTOPPING: INTUMESCENT PUTTY COMPOUND WHICH EXPANDS ON EXPOSURE TO SURFACE HEAT GAIN.
    - h. FIRESTOP PILLOWS: FORMED MINERAL FIBER PILLOWS.

**HEATING, VENTILATING & AIR CONDITIONING SPECIFICATIONS**

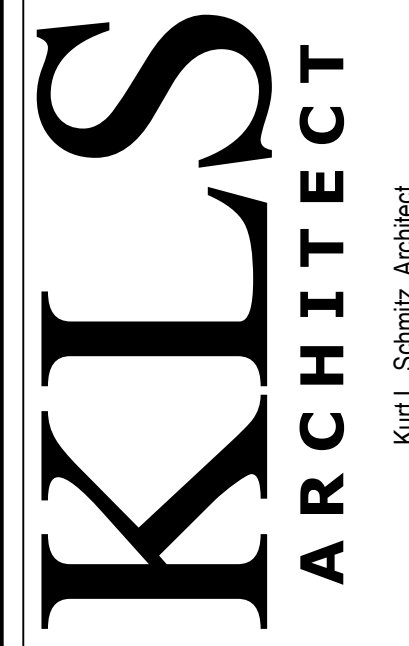
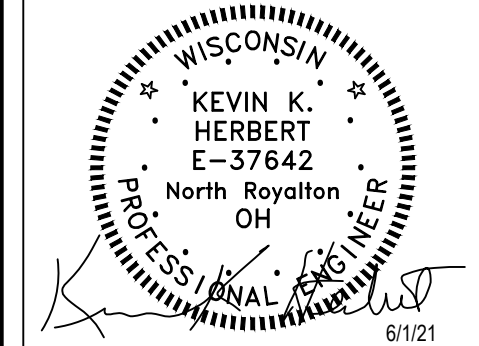
- A. IN RESPECT TO ALL MATERIALS REQUIRED, THE CONTRACTOR SHALL FURNISH MATERIALS MEETING AIEE, NEMA, NELA, ASME AND ASTM SPECIFICATIONS. THE INSTALLATION OF ALL WORK SHALL CONFORM TO ASHRAE GUIDE AND SHEET METAL PROMOTION PLAN STANDARDS. THE MECHANICAL CONTRACTOR IS RESPONSIBLE TO PAY ALL FEES FOR PERMITS PRIOR TO STARTING WORK.
  - B. MATERIALS SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED, AND SHALL BE PROTECTED FROM ALL INJURY UNTIL FINAL ACCEPTANCE OF THE SYSTEM. MECHANICAL CONTRACTOR SHALL BE LICENSED IN THIS AREA TO PERFORM THE NEW WORK.
  - C. THIS CONTRACTOR SHALL REMOVE ALL TOOLS, SURPLUS MATERIALS AND DEBRIS OF ALL KINDS FROM HIS WORK AND LEAVE ALL IN A CLEAN, PERFECT CONDITION, FULLY SATISFACTORY TO THE ARCHITECT.
  - D. CONTRACTOR SHALL PROVIDE OWNER WITH ONE (1) SET OF "AS-BUILT" DRAWINGS.
  - E. FURNISH ALL MATERIALS, TRANSPORTATION, RIGGING, HOISTING, ETC. TO PROVIDE A COMPLETE AND OPERABLE HEATING, AIR CONDITIONING AND VENTILATING SYSTEM.
  - F. ALL EQUIPMENT IS TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, ACCORDING TO MANUFACTURERS RECOMMENDATIONS AND GOOD PRACTICES. COORDINATE ALL WORK WITH OTHER TRADES AND WITH THE GENERAL CONTRACTOR.
  - G. SYSTEM IS TO BE AIR BALANCED BY AN INDEPENDENT BALANCE COMPANY, TO INCLUDE DIFFUSER CFM, RETURN CFM AND EXHAUST CFM WITH THREE (3) REPORTS SUBMITTED TO THE OWNER. ALL SYSTEMS AND EQUIPMENT ARE TO BE GUARANTEED FOR PARTS AND LABOR FOR ONE YEAR, UNLESS OTHERWISE NOTED.
  - H. SUBMIT TO THE OWNER AND ONE (1) SET OF MAINTENANCE MANUALS TO OWNER BEFORE FINAL ACCEPTANCE.
  - I. DUCTWORK AND PLENUMS SHALL BE AS SCHEDULED ON THE DRAWINGS PER SMACNA "DUCT CONSTRUCTION" CLASSIFICATION.
  - J. SHEET METAL FABRICATION AND INSTALLATION SHALL BE AS FOLLOWS:
    - 1. ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH STANDARDS SET FORTH IN LATEST EDITION OF THE ASHRAE GUIDE AND SMACNA STANDARDS UNLESS MODIFIED HEREIN.
    - 2. DUCT DIMENSIONS ARE GROSS EXCEPT FOR LINED DUCTS WHERE DIMENSIONS ARE NET FREE AREA.
    - 3. DUCT SIZES SHOWN ON THE PLANS ARE ACTUAL SHEET METAL INSIDE DIMENSIONS AND SHALL BE ADHERED TO UNLESS JOB CONDITIONS REQUIRE ALTERATIONS. REVISIONS TO DUCT SIZES SHALL BE BASED ON THE "EQUAL FRICTION" METHOD.
    - 4. ALL ELBOWS IN THE DUCT SYSTEM SHALL BE MADE WITH CENTERLINE RADIUS OF ONE AND ONE-HALF (1 1/2) TIMES THE TURNING WIDTH OF THE DUCT. WHERE SPACE PROHIBITS THE SPECIFIED MINIMUM RADIUS, SQUARE ELBOWS WITH DOUBLE RADIUS TURNING VANES SHALL BE INSTALLED. CHANGES IN DUCT SIZES SHALL BE 15 DEG. DIVERGING AND 60 DEG. CONTRACTING, FLOW MAXIMUM ANGLES.
    - 5. THE GENERAL ROUTE OF THE DUCTS IS SHOWN ON THE PLANS. THE EXACT ROUTE SHALL BE DETERMINED BY JOB CONDITIONS AND SHALL BE COORDINATED WITH ALL OTHER TRADES. ALL GRILLES, REGISTERS, DIFFUSERS, ETC., SHALL BE LOCATED SYMMETRICALLY WITH ELECTRIC LIGHT ARCHITECTURAL TREATMENT, ETC.
    - 6. HANGERS TO BE 8 FT. CENTERS MAXIMUM WITH STRAPS FOR DUCTS (BENT UNDER BOTTOM OF DUCT AND ATTACHED). DUCTWORK SHALL BE SEALED.
    - 7. INSTALL DUCTWORK AS HIGH AS POSSIBLE.
    - 8. NO FIBERGLASS DUCTBOARD WILL BE PERMITTED.
  - K. FURNISH AND INSTALL ALL MANUAL SPLITTER DAMPERS AND DEFLECTORS INDICATED OR DRAWINGS OR NECESSARY TO PROPERLY DISTRIBUTE AND BALANCE AIR.
  - L. HVAC EQUIPMENT SHALL BE AS SCHEDULED ON DRAWING.
  - M. INSULATION SHALL BE AS FOLLOWS:
    - 1. ALL INSULATION, VAPOR BARRIER, JACKETS AND ADHESIVE USED FOR APPLYING INSULATION SHALL HAVE FIRE AND SMOKE HAZARD RATINGS AS TESTED UNDER ASTM-84, NFPA-255, AND U.L. 723 NOT EXCEEDING A FLAME SPREAD 25 AND SMOKE DEVELOPED OF 50.
    - 2. ALL NEW CONCEALED SUPPLY AIR DUCTWORK SHALL BE WRAPPED WITH OWENS-CORNING TYPE FRK150, 1.6 POF, 2" THICK DUCT WRAP (6.0 R-VALUE INSTALLED). TAPE ALL SEAMS WITH MINIMUM 2" WIDE TAPE. RETURN AIR, TRANSFER AIR AND EXPOSED SUPPLY AIR DUCTWORK SHALL BE LINED WITH 1" ACOUSTIC LINING, OWENS-CORNING TYPE 300.
  - N. PROVIDE WITH SPIN-IN TRUNK CONNECTIONS WITH AIR SCOOP AND VOLUME DAMPER.
  - O. FLEXIBLE INSULATED DUCT SHALL BE THERMAFLIX TYPE M-KE FACTORY ASSEMBLED DUCT CONSISTING OF COLD ROLLED FLAT STEEL SPRING, CONTINUOUS NON-PERFORATED INNER AIR SEAL LINER, 0.23 THERMAL CONDUCTANCE FIBERGLASS INSULATION, AND FIBERGLASS REINFORCED METALIZED FILM VAPOR BARRIER. DUCTS SHALL BE LISTED BY UL, CONFORM TO NFPA CLASS 1 WITH FLAME SPREAD RATING OF 25 OR LESS AND SMOKE DEVELOPMENT OF 50 OR LESS.
- GENERAL NOTES:
- 1. THE MECHANICAL CONTRACTOR SHALL ALSO ARRANGE THE FINAL INSPECTIONS BY THE BUILDING AUTHORITIES.
  - 2. NO PIPING, HANGERS, DUCTWORK, ETC., SHALL BE SUSPENDED FROM FLOOR DECK. ALL ITEMS SHALL BE SUSPENDED FROM STRUCTURAL STEEL.
  - 3. ALL ROOFTOP EQUIPMENT SHALL BE CONVEYED VIA A CRANE TO THE PROPER LOCATION. ANY OTHER METHOD MUST BE APPROVED BY THE PROJECT MANAGER. DO NOT ROLL UNITS ACROSS ROOF.
  - 4. ALL ROOF EQUIPMENT (ROOF CURBS AND/OR EQUIPMENT SUPPORTS) SHALL BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. THE FLASHING OF TENANT OCCUPANCY ROOF EQUIPMENT SHALL BE DONE BY THE GENERAL CONTRACTOR'S ROOFING SUBCONTRACTOR. CUTTING OF REQUIRED ROOF OPENINGS SHALL BE DONE BY THE ROOFING SUBCONTRACTOR. A MEETING SHALL BE ARRANGED AT THE JOBSITE WITH THE MECHANICAL CONTRACTOR SO THAT THE ROOFING SUBCONTRACTOR CAN DETERMINE THE SCOPE OF WORK INVOLVED. THE PROJECT MANAGER DURING CONSTRUCTION PERIOD OR WHEN CONSTRUCTION IS BEGINNING WILL MAKE THE NECESSARY ARRANGEMENTS FOR THIS MEETING.
  - NOTE: ALL ROOF MOUNTED EQUIPMENT SHALL BE SHIMMED AS NECESSARY TO BE LEVEL IN ALL DIRECTIONS.
  - 5. MECHANICAL CONTRACTOR TO MAINTAIN MINIMUM 15 FEET BETWEEN EXHAUST VENTS, FANS, ETC., AND OUTSIDE AIR INTAKES.
  - 6. MECHANICAL CONTRACTOR SHALL VERIFY VOLTAGES WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING OF ANY AND ALL MECHANICAL EQUIPMENT.
  - 7. MECHANICAL CONTRACTOR SHALL INSURE A MINIMUM 10'-0" WORKING CLEARANCE FROM EDGE OF BUILDING.

**PLUMBING SPECIFICATIONS**

- A. CONNECT SEWER, VENTS AND WATER LINES AS INDICATED ON THE PLUMBING PLANS. DETERMINE THE EXACT LOCATION OF ALL EXISTING SERVICE CONNECTIONS BEFORE STARTING THE INSTALLATION OF ANY WORK. COORDINATE ALL WORK WITH OTHER TRADES, THE GENERAL CONTRACTOR AND THE OWNER'S FIELD REPRESENTATIVE.
- B. PLUMBING WORK SHALL CONFORM TO GOOD ENGINEERING PRACTICE AND BE IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES AND OWNER'S REQUIREMENTS. PLUMBING CONTRACTOR SHALL BE LICENSED IN THIS AREA TO PERFORM THE NEW WORK.
- C. SANITARY SEWERS AND VENTS INSIDE OF THE BUILDING SHALL BE SERVICE WEIGHT, CAST IRON, NO HUB WITH COMPRESSION TYPE NEOPRENE JOINTS. NOTE: A CEILING RETURN AIR PLENUM IS BEING USED; NO PLASTIC PIPING WILL BE PERMITTED.
- D. ALL COLD AND HOT WATER LINES SHALL BE TYPE 'L' COPPER WITH 98-2 TIN ANTIMONY (NO LEAD) SOLDER.
- E. INSULATE ALL NEW HOT AND COLD WATER PIPING WITH NONCOMBUSTIBLE ARMSTRONG "ARMAFLIX" TYPE IF FOAM INSULATION WITH SEALED JOINTS OR WITH OWENS CORNING FIBERGLASS ASSJSS-41 HEAVY DENSITY PIPE INSULATION WITH VAPOR BARRIER AND SEALED JOINTS. INSULATION THICKNESS SHALL BE AS FOLLOWS:
  - COLD WATER BRANCH PIPING UP TO 1" 1/2" THICKNESS
  - HOT WATER MAIN PIPING 1" THICKNESS
- F. PLUMBING CONTRACTOR SHALL PROVIDE 1 SET OF "AS-BUILT" DRAWINGS TO THE OWNER.
- G. CHLORINATION OF WATER PIPING: THE NEW DOMESTIC WATER PIPING SYSTEM SHALL BE FLUSHED WITH CLEAN POTABLE WATER UNTIL CONTAMINATED WATER DOES NOT APPEAR AT THE OUTLET AND SHALL BE FILLED WITH A SOLUTION CONTAINING 50 PARTS PER MILLION OF CHLORINE AND ALLOWED TO STAND FOR A PERIOD (AS PRESCRIBED BY THE CODE) BEFORE FLUSHING. THE SYSTEM SHALL BE FLUSHED COMPLETELY WITH CLEAR WATER UNTIL ALL RESIDUAL CHLORINE CONTENT IS REMOVED. CHLORINATION SHALL BE PERFORMED AFTER ALL PIPING AND FINAL CONNECTIONS AND PRESSURE TESTING HAS BEEN COMPLETED. IF, AFTER THE PIPES HAVE BEEN CHLORINATED, THE PIPES HAVE TO BE DISMANTLED, THE CHLORINATION PROCESS MUST BE REPEATED.
- H. LABOR SHALL BE PERFORMED IN A WORKMANLIKE MANNER BY MECHANICS SKILLED IN THEIR PARTICULAR TRADE. PIPE AND EQUIPMENT SHALL BE INSTALLED SQUARE AND PLUMB AND ACCESSIBLE FOR PROPER OPERATION AND SERVICE.
- I. CUTTING OR PATCHING NECESSARY TO PERMIT THE INSTALLATION OF ANY WORK UNDER THIS CONTRACT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- J. PIPING
  - 1. ALL PIPING SHALL BE RUN CONCEALED EXCEPT WHERE SHOWN OTHERWISE ON DRAWINGS.
  - 2. VALVES, TRAPS, CLEANOUTS AND OTHER APPARATUS SHALL BE INSTALLED IN AN EASILY ACCESSIBLE LOCATION.
  - 3. SOIL WASTE, VENT, OFFSETS AND HOUSE DRAINS SHALL BE INSTALLED WITH A MINIMUM UNIFORM GRADE OF 1/4" PER FOOT.
  - 4. HOT AND COLD WATER LINES SHALL BE AT LEAST 12" APART WHERE PIPING IS PARALLEL.
  - 5. ESCUTCHEON PLATES SHALL BE PROVIDED WHERE ALL PIPE PASSES THROUGH A FINISHED WALL.
  - 6. CONNECTIONS FROM STEEL TO COPPER PIPING SHALL BE MADE WITH DIELECTRIC TYPE UNIONS, EPCO OR OTHER APPROVED TYPE.
- K. COPPER PIPING SHALL BE SUPPORTED AT INTERVALS NOT TO EXCEED 7'-0" AND AT EACH CHANGE IN HORIZONTALS OF VERTICAL. HANGERS SHALL SUPPORT PIPING AT PIPE WITH INSULATION OVER TOP OR WITH METAL SLEEVE TO PROTECT INSULATION FROM BEING CRUSHED.
- L. HANGER SHIELD: HANGERS FOR PIPING SHALL BE PLACED AROUND THE OUTSIDE OF THE INSULATION AND PROTECTIVE SHIELDS SHALL BE INSTALLED AT EVERY HANGER LOCATION. SHIELD SHALL NOT BE LESS THAN 2/3 THE CIRCUMFERENCE OF THE INSULATION AND WHERE SPEED CLIPS ARE USED, THE METAL SHIELD SHALL BE CONTINUOUS AROUND THE CIRCUMFERENCE OF THE PIPE INSULATION. SHIELDS SHALL BE FABRICATED OF THE FOLLOWING GAUGES:
  - NOMINAL PIPE SIZE METAL GAUGE
  - 0' - 1-1/2" 20
- M. AFTER THE PLUMBING PIPING HAS BEEN INSTALLED, INSPECTED AND APPROVED, THE PIPING SYSTEM SHALL BE FLUSHED TO REMOVE ANY FOREIGN MATTER FROM THE PIPES.
- N. ALL PARTS OF THE PLUMBING FIXTURES AND ASSOCIATED EQUIPMENT SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE GUARANTEE PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE BUILDING.
- O. NOTE: ALL PIPE INSULATION (HOT AND COLD PIPE INSULATION) SHALL CONFORM TO THE FIRE AND SMOKE RATES BELOW:
  - FLAME SPREAD - 25 OR LESS
  - SMOKE DEVELOPED - 50 OR LESS
- P. GENERAL REQUIREMENTS OF PLUMBING FIXTURES AND TRIM:
  - 1. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL STOPS, TRAPS, ESCUTCHEONS, CONNECTIONS, ETC., AS NECESSARY FOR A COMPLETE INSTALLATION.
  - 2. TERMINATE ALL WATER ROUGH-INS WITH SHUT-OFF VALVES BEFORE CONNECTING EQUIPMENT AND FIXTURES.
  - 3. PURGE ALL WATER LINES BEFORE MAKING FINAL CONNECTIONS.
  - 4. WATER AND WASTE LINES TO BE ROUGHED INSIDE WALLS: EXTEND WATER AND WASTE LINES OUT OF WALLS TO EQUIPMENT AND FIXTURES.
  - 5. WHERE THE WORD "FURNISH" OR "INSTALL" APPEARS FOR THE PLUMBING CONTRACT, IT SHALL BE INTERPRETED TO MEAN THE PLUMBING CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SUPPLIES NECESSARY TO INSTALL AND PLACE IN OPERATION CONDITION.

**FIRE PROTECTION SPECIFICATIONS**

- A. THE CONTRACTOR FOR THE FIRE PROTECTION WORK SHALL BE A RECOGNIZED, QUALIFIED AND LICENSED FIRE PROTECTION CONTRACTOR, PRIMARILY ENGAGED IN THE DESIGN AND INSTALLATION OF FIRE PROTECTION SYSTEMS.
- B. THE FIRE PROTECTION SHOP DRAWINGS, INCLUDING DRAWINGS AND HYDRAULIC CALCULATIONS, SHALL BE PREPARED BY A STATE CERTIFIED SPRINKLER SYSTEM DESIGNER.
- C. THE COMPLETE INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ALL STATE, LOCAL AND NATIONAL CODES AND ALL APPLICABLE SECTIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION.
- D. THE CONTRACTOR SHALL SUBMIT COMPLETE 1/4" SCALE SHOP DRAWINGS SHOWING DETAILS OF CONSTRUCTION, FABRICATION, EQUIPMENT, DEVICES, ETC., INSTALLATION OF ALL COMPONENTS FOR ALL WORK AS INDICATED AND SPECIFIED HEREIN.
- E. ALL DEVICES AND MATERIALS PERTAINING TO ALL FIRE PROTECTION WORK SHALL BEAR THE UNDERWRITER LABORATORIES, INC. LABEL FOR FIRE PROTECTION DEVICES. SUBMIT SIX (6) SETS OF CATALOG CUTS OF THE FOLLOWING SPRINKLER DEVICES: SPRINKLER HEADS AND ESCUTCHEONS.
- F. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT MANY OFFSETS, BENDS, SPECIAL FITTINGS AND EXACT LOCATIONS ARE NOT INDICATED.
- G. IT IS ESSENTIAL FOR THE COORDINATION OF ALL TRADES THAT THIS CONTRACTOR BE RESPONSIBLE FOR CONFIRMING THE LOCATIONS AND ELEVATIONS OF HIS PIPING AND EQUIPMENT AT THE JOB SITE, TO AVOID ENCRDACHING UPON THE SPACE NEEDED AND ALLOCATED FOR ANOTHER TRADE.
- H. DRAWINGS ARE NOT INTENDED TO BE SCALED FOR ROUGHING-IN MEASUREMENTS NOR TO SERVE AS SHOP DRAWINGS, INSTALLATION DRAWINGS, OR SLEEVE DRAWINGS. DRAWINGS FOR THESE PURPOSES SHALL BE PREPARED BY THE SPRINKLER CONTRACTOR.
- I. MAKE HYDROSTATIC TEST ON SPRINKLER SYSTEM, 200 PSI FOR 2 HOURS.
- J. ALL DEFECTS MADE EVIDENT BY THE TESTS SHALL BE PROPERLY REPAIRED BY THE SPRINKLER CONTRACTOR. LEAKS IN OVERHEAD LINES SHALL BE REPAIRED ONLY BY MEANS OF TIGHTENING OR REPLACING THE FITTING AND NOT RESORTING TO ANY CAULKING METHOD.
- K. UPON COMPLETION OF THE ENTIRE FIRE PROTECTION SYSTEM ARRANGE TO HAVE THE FIRE INSPECTION BUREAU REPRESENTATIVE AND THE PROPER INSURANCE COMPANY AVAILABLE TO WITNESS THE ACCEPTANCE TEST.
- L. WORKING DRAWINGS SHALL BE SUBMITTED TO THE STATE INSPECTION SERVICE, LOCAL GOVERNING AUTHORITY HAVING JURISDICTION, AND TO THE OWNER'S FIRE INSURANCE UNDERWRITER'S FOR APPROVAL AND PERMITS. ALL DEVICES AND MATERIALS PERTAINING TO ALL FIRE PROTECTION WORK SHALL BEAR THE U.L. STAMP OF APPROVAL.
- M. GUARANTEE OF WORK UNDER THIS SECTION OF THE SPECIFICATIONS SHALL BE FOR A PERIOD OF ONE YEAR AFTER COMPLETION AND FORMAL ACCEPTANCE OF THE FIRE PROTECTION SYSTEMS.
- N. PIPE AND FITTINGS SHALL BE SCHEDULE 40 MILD STEEL. PIPE FITTINGS MAY BE CAST, MALLEABLE OR DUCTILE IRON. SCREWED CAST IRON FITTINGS 2" AND SMALLER SHALL HAVE 175 PSI COLD WATER RATING.
- O. INSTALL APPROVED QUICK RESPONSE SPRINKLERS (PENDANT AND UPRIGHT (TYPE TO MATCH EXISTING) PER NFPA-13. SPRINKLER HEADS SHALL BE MANUFACTURED BY CENTRAL SPRINKLER CORP., VIKING, GRINNELL.
- P. SUPPORT ALL SPRINKLER PIPING, ETC., AS SPECIFIED IN NFPA-13. INSTALLATION OF SPRINKLER EQUIPMENT.
- Q. REDUCERS SHALL BE ECCENTRIC AND INSTALLED IN PIPING SO THAT PIPING CAN BE DRAINED.
- R. USE DIELECTRIC CONNECTIONS OR INSULATOR COUPLINGS WHERE PIPE MATERIALS CHANGE FROM FERROUS TO NON-FERROUS.
- S. MAKE SCREWED JOINTS WITH PIPE COMPOUND APPLIED TO MALE THREADS ONLY. ALL CUT ENDS OF THE PIPE SHALL BE CAREFULLY REAMED TO FULL SIZE.
- T. ALL PIPING AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED IN A MANNER AND IN LOCATIONS AVOIDING ALL OBSTRUCTIONS AND MAINTAINING REQUIRED HEAD ROOM CLEARANCES. FIELD CHECK BEFORE STARTING ANY INSTALLATION.
- U. ROO SIZE FOR ALL HANGERS SHALL BE AS SPECIFIED IN NFPA-13.
- V. SPRINKLER PIPING SHALL BE SUPPORTED FROM STRUCTURAL MEMBERS WHEREVER POSSIBLE.



Kurt L. Schmitt, Architect  
17710 Bevilacqua Avenue, Suite 14107, Columbus, Ohio 44107  
Phone (614) 527-5334 • Fax (614) 527-1424 • www.kksarchitects.com

**CLUB CHAMPION GOLF**

MADISON, WI 53705  
6629 MINERAL POINT RD.

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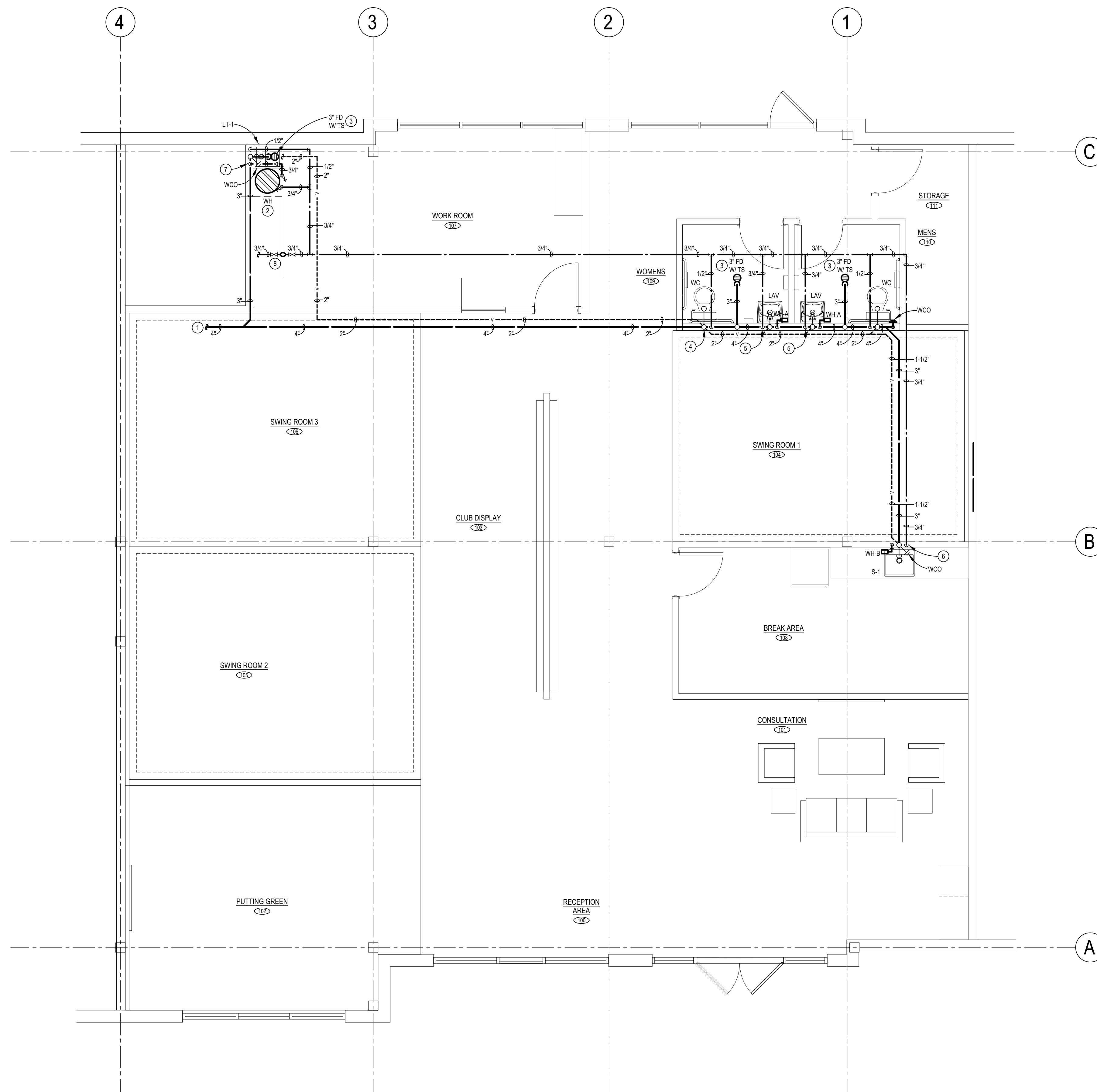
REVISIONS

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**MECHANICAL SPECIFICATIONS**

DATE 06/01/21  
JOB NO. 21140

**M3.0**  
SHEET NO.



**PLUMBING PLAN**  
SCALE: 1/4" = 1'-0"

**PLUMBING DEMOLITION GENERAL NOTES:**

1. THE PLUMBING CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING PIPING, EQUIPMENT AND FIXTURES REQUIRING DEMOLITION. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH THE ARCHITECT, GENERAL CONTRACTOR, AND WITH THE OWNER.
2. THE PLUMBING CONTRACTOR SHALL CUT EXISTING SANITARY AND WASTE PIPING 3" BELOW FLOOR AND PLUG WITH PERMANENT STOPPER.
3. THE PLUMBING CONTRACTOR SHALL REMOVE ANY FLOOR DRAINS THAT ARE NOT USED FOR NEW SPACE LAYOUT. CUT WASTE LINE TO 3" BELOW FLOOR AND PLUG WITH PERMANENT STOPPER.
4. THE PLUMBING DEMOLITION WORK SHALL BE PERFORMED EXCLUSIVELY BY THE PLUMBING CONTRACTOR UNLESS OTHERWISE INDICATED.
5. ALL PATCHING AND SEALING OF WALLS, FLOORS, CEILINGS, ETC... TO BE DONE BY GENERAL CONTRACTOR.
6. THE PLUMBING CONTRACTOR TO MAKE ALL FINAL PLUMBING CONNECTIONS TO FIXTURES & EQUIPMENT.
7. THE PLUMBING CONTRACTOR SHALL CUT AND CAP UNUSED EXISTING WATER AND VENT LINES BELOW FLOOR.
8. THE PLUMBING CONTRACTOR SHALL REMOVE ALL UNUSED EXPOSED EXISTING WASTE, VENT, GAS AND WATER PIPING COMPLETE.
9. PLUMBING CONTRACTOR SHALL CAP ALL UNUSED SANITARY BRANCH LINES NEAR MAIN WITHIN 2'-0" WHERE POSSIBLE. NO DEAD END RUNS ARE ALLOWED PER CODE.

**PLUMBING GENERAL NOTES:**

1. THE PLUMBING CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING PIPING, EQUIPMENT AND FIXTURES PRIOR TO STARTING WORK.
2. THE PLUMBING CONTRACTOR SHALL CUT EXISTING SANITARY AND WASTE PIPING 3" BELOW FLOOR AND PLUG WITH PERMANENT STOPPER.
3. ALL PATCHING AND SEALING OF WALLS, FLOORS, CEILINGS, ETC... TO BE DONE BY GENERAL CONTRACTOR.
4. THE PLUMBING CONTRACTOR TO MAKE ALL FINAL PLUMBING CONNECTIONS TO FIXTURES AND EQUIPMENT.
5. SANITARY DRAINAGE SYSTEM SHALL BE RUN IN PRACTICAL ALIGNMENT AND AT A UNIFORM SLOPE OF NOT LESS THAN 1/8" PER FOOT TOWARD THE POINT OF DISPOSAL.
6. THE PLUMBING CONTRACTOR SHALL REMOVE ALL UNUSED EXPOSED EXISTING WASTE, VENT, AND WATER PIPING COMPLETE.
7. PLUMBING CONTRACTOR SHALL CAP ALL UNUSED SANITARY BRANCH LINES NEAR MAIN WITHIN 2'-0" WHERE POSSIBLE. NO DEAD END RUNS ARE ALLOWED PER CODE.

**PLUMBING FIXTURE SPECIFICATIONS**

FLOOR CLEANOUT (CO): J.R. SMITH NO. 4021S ADJUSTABLE CAST NIKALOY FLOOR CLEANOUT WITH INTERNAL BRONZE COUNTERSUNK PLUG AND SOLID SCORIATED SECURED ROUND COVER.

WALL CLEANOUT (WCO): J.R. SMITH MODEL NO. 4422 DUCO CAST IRON CAULK FERRULE WITH CAST BRONZE TAPER THREAD PLUG WITH STAINLESS STEEL COVER.

FLOOR DRAIN (FD): J.R. SMITH NO. 2005-P050 WITH ADJUSTABLE ROUND STRAINER HEAD AND TRAP SEAL.

WATER HEATER (WH): RHEEM POINT-OF-USE MODEL EGSP20, 20 GALLON STORAGE CAPACITY WITH 1,500 WATT HEATING ELEMENT, 120V, 1 PHASE WITH GALVANIZED DRIP PAN AND WALL MOUNTING KIT. RUN DRAIN LINE TO FLOOR DRAIN.

LAVATORY (LAV): AMERICAN STANDARD "LUCERNE" MODEL 0355.012 WALL HUNG, BARRIER-FREE LAVATORY. FAUCET: MOEN MODEL NO. 8886 4" CENTRESET METERING FAUCET WITH 0.5 GPM VANDAL-RESISTANT MULTI-STREAM LAMINAR FLOW, AND CHROME PLATED SOLID BRASS CONSTRUCTION. PROVIDE COMPLETE WITH GRID STRAINER, FOOTED WALL CHAIR CARRIER SUPPORT, CHROME TRAP WITH CLEANOUT AND CHROME SUPPLIES WITH LOOSE KEY STOPS. INSULATE WASTE AND WATER LINES WITH TRUEBRO "LAV GUARD 2" INSULATION KIT WITH WHITE FINISH TO CONFORM TO ADA REQUIREMENTS. MOUNT AT ELEVATION AS INDICATED ON THE ARCHITECTURAL DRAWINGS.

WATER CLOSET (WC): KOHLER "HIGHLINE" ELONGATED PRESSURE-ASSISTED TOILET MODEL K-3519-T WITH ULTRA LOW-CONSUMPTION (1.0 GPF), SLOAN FLUSHMATE, TANK COVER LOCKS, AND 17-1/8" RIM HEIGHT. SEAT: BEMIS MODEL NO. 1055SSC OPEN FRONT SEAT LESS COVER WITH SELF-SUSTAINING CHECK HINGES WITH NON-CORROSIVE STAINLESS STEEL POSTS, PINTLES AND HARDWARE. PROVIDE COMPLETE WITH CHROME SUPPLY WITH LOOSE KEY STOP. NOTE: MOUNT FLUSH LEVER OPPOSITE SIDE OF WALL.

WORKROOM SINK (LT-1): MUSTEE NO. 19CFT 34"H x 20"W x 24"D FLOOR MOUNTED UTILITUB COMPLETE WITH 6" SWING SPOUT FAUCET WITH AERATOR AND HOSE END, TWO (2) 20" FLEXIBLE SUPPLY LINES AND SEALANT TAPE, 1-1/2" PVC P-TRAP WITH 12" TAILPIECE, TOP COVER, AND DRAIN STOPPER. FURNISH AND INSTALL WATER LINES WITH WHEEL STOPS.

BREAK ROOM SINK (S-1): ELKAY NO. ECTSAD2526BG, 18 GAUGE TYPE 304 ADA COMPLIANT SINGLE BOWL STAINLESS STEEL SINK, 25"x22"x6" DEEP SINK. FAUCET: ELKAY NO. LK1001CR SINGLE LEVER DECK MOUNTED FAUCET WITH SPRAYER, AND 0.5 GPM AERATOR. DRAIN: ADA COMPLIANT STAINLESS STEEL DRAIN WITH REMOVABLE STRAINER WITH 1-1/2" 17 GAUGE OFFSET TAILPIECE, MCGUIRE NO. 8912-C-F-1-1/2" 17 GAUGE TUBULAR CHROME PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON. PROVIDE COMPLETE WITH THERMOSTATIC MIXING VALVE AS LISTED BELOW.

THERMOSTATIC TEMPERING VALVE (TTV): WATTS LFMV-M1 LEAD FREE CAST COPPER SILICON ALLOY BODY CONSTRUCTION, CONTROLS BOTH HOT AND COLD WATER, ADJUSTMENT CAP WITH LOCKING FEATURE AND INTEGRAL FILTER WASHERS AND CHECK VALVE. MINIMUM FLOW OF .5 GPM @ 0.8 PSI PRESSURE DIFFERENTIAL. NOTE: TEMPERING VALVE SHALL BE LISTED TO ASSE 1070 STANDARD. SET OUTLET TEMPERATURE TO 105°F.

**PLUMBING PLAN TAG NOTES:**

- 1 PLUMBING CONTRACTOR SHALL EXTEND AND CONNECT NEW 4" SANITARY SEWER INTO EXISTING 4" SANITARY SEWER THAT SERVED REMOVED TOILET ROOM. FIELD VERIFY EXACT SIZE, LOCATION, DIRECTION OF FLOW, INVERT ELEVATION, ETC., OF EXISTING SANITARY SEWER PRIOR TO STARTING WORK.
- 2 ELECTRIC WATER HEATER MOUNTED ON SHELF ABOVE LAUNDRY TUB. COORDINATE WITH ARCHITECT. PROVIDE 3/4" HOT AND COLD WATER LINES TO WATER HEATER. SAFEWASTE DRAIN LINES FROM WATER HEATER TO FLOOR DRAIN LOCATED BELOW LAUNDRY TUB IN WORK ROOM.
- 3 FLOOR DRAIN TRAP SEAL SHALL BE GREEN DRAIN SERIES INLINE FLOOR DRAIN TRAP SEAL WITH UV RESISTANT ABS PLASTIC FRAME, SILICON RUBBER SEALING FLAPPER AND FOUR FLEXIBLE SEALING RIBS. TESTED AND CERTIFIED TO THE ASSE 1072 STANDARD AND LISTED WITH IAPMO AND I.C.C.
- 4 3" VENT RISER UP TO 3" VENT THROUGH ROOF.
- 5 3/4" COLD WATER DROP IN WALL. RUN 1/2" COLD WATER TO NEW WATER HEATER (WH-A) AND 1/2" COLD WATER TO LAV. RUN 1/2" HOT WATER FROM WATER HEATER TO LAVATORY. SET OUTLET TEMP. TO 105°F. PROVIDE COMPLETE WITH THERMOSTATIC TEMPERING VALVE (TTV) AS SCHEDULED ON THIS SHEET AND DETAILED ON DRAWING P2.0.
- 6 3/4" COLD WATER DROP IN WALL. RUN 1/2" COLD WATER TO NEW WATER HEATER (WH-B) AND 1/2" COLD WATER TO BREAK ROOM SINK (S-1). RUN 1/2" HOT WATER FROM WATER HEATER TO S-1. SET OUTLET TEMPERATURE TO 120°F.
- 7 1/2" HOT AND COLD WATER DROPS IN WALL TO SERVE LAUNDRY TUB (LT-1).
- 8 PLUMBING CONTRACTOR SHALL EXTEND AND CONNECT NEW 3/4" COLD WATER LINE INTO EXISTING COLD WATER MAIN THAT SERVES LEASE SPACE (FIELD VERIFY EXACT SIZE, LOCATION AND EXISTING CONDITIONS PRIOR TO STARTING WORK). PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL A WATER SUB METER IN JOIST SPACE COMPLETE WITH SHUT-OFF VALVE TO SERVE CLUB CHAMPION GOLF'S LEASE SPACE. FIELD VERIFY EXISTING CONDITIONS PRIOR TO STARTING WORK. COORDINATE WORK WITH LANDLORD.

DO NOT SCALE THESE DRAWINGS

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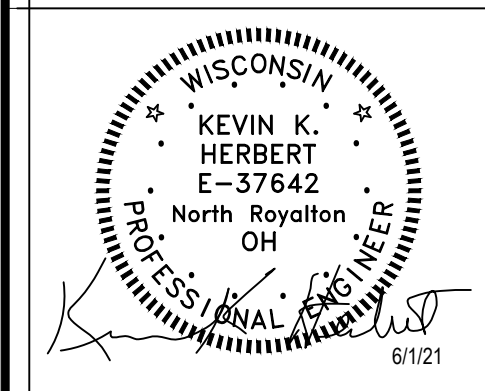
**PLUMBING PLAN**

DATE 06/01/21

JOB NO. 21140

**P1.0**

SHEET NO.



**KLS ARCHITECT**

Kurt L. Schmitz, Architect  
17710 State of Reading Road, Suite 14107  
North Royalton, Ohio 44107  
Phone (216) 521-5334 • Fax (216) 521-1424 • www.klsarchitects.com

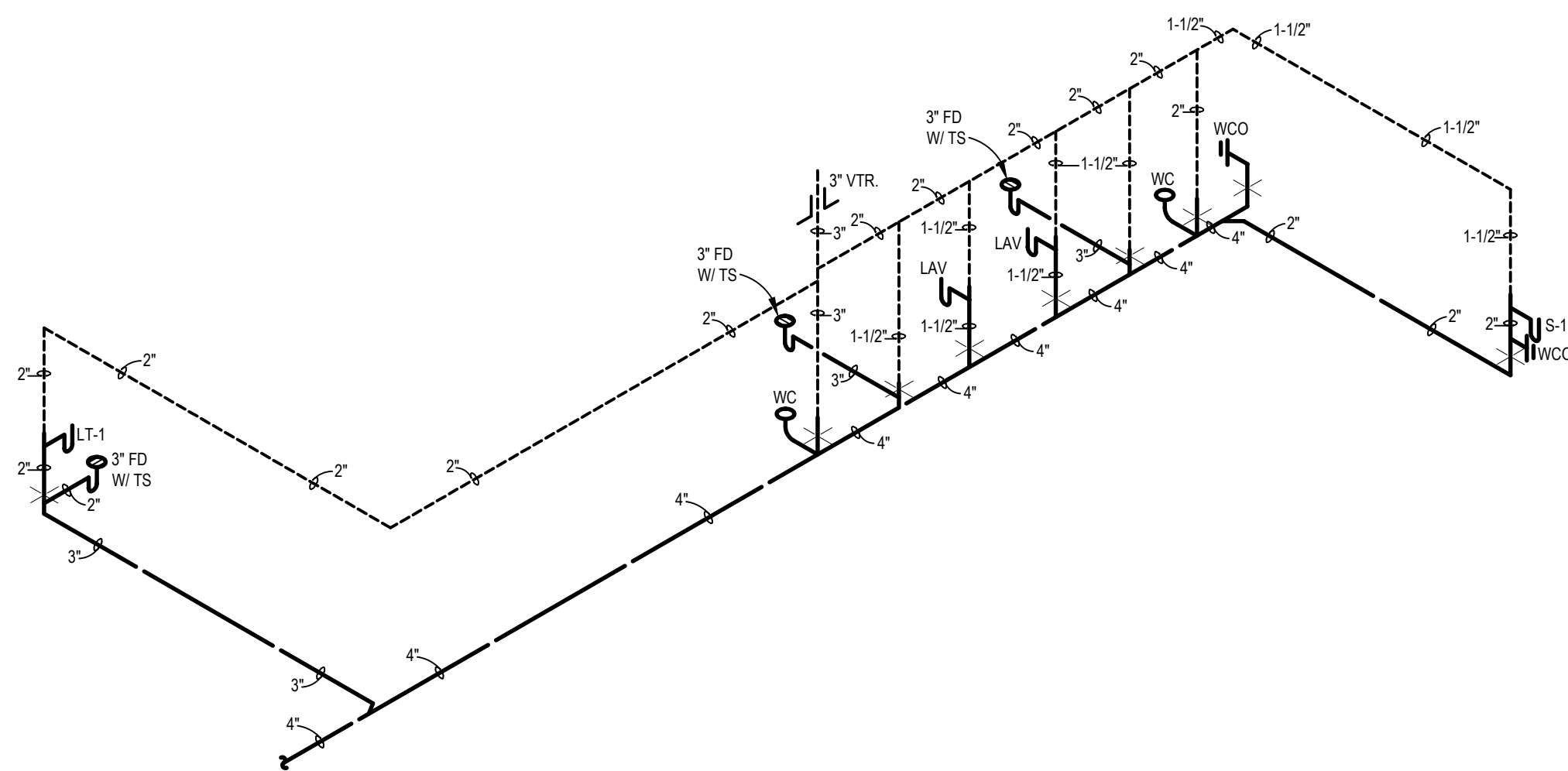
**CLUB CHAMPION GOLF**

MADISON, WI 53705

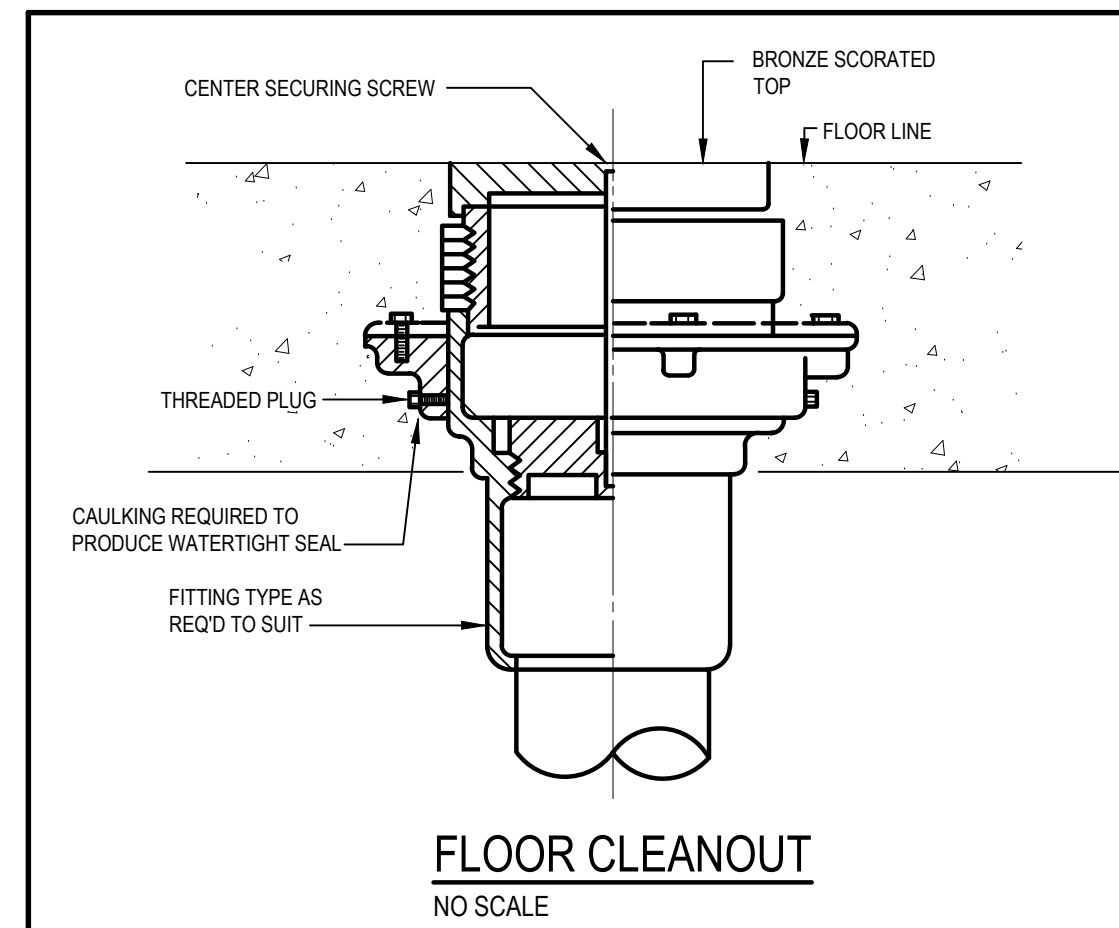
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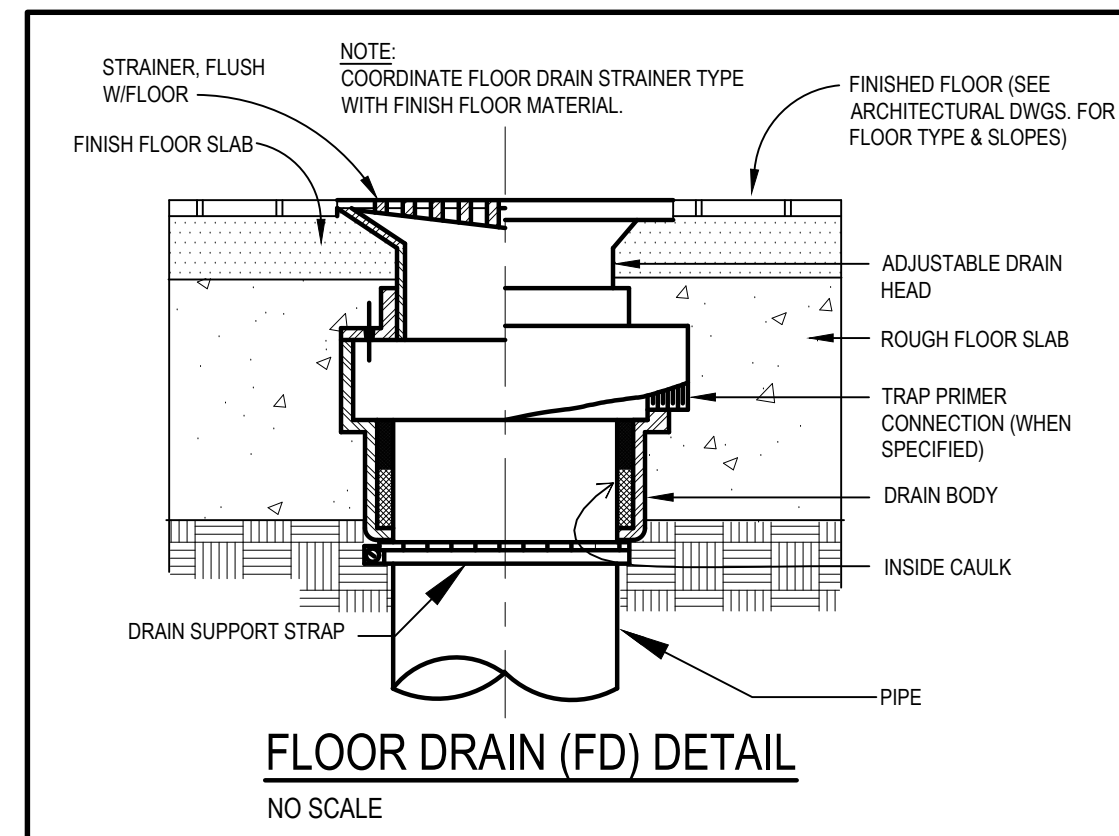
INSTANTANEOUS WATER HEATER SCHEDULE												
TAG	LOCATION	RECOVERY GPH @ 80°F RISE	CAP. IN US GALS	TEMPERATURE		HEATING SOURCE			MANUFACTURER MODEL #	ACCESSORIES	NOTES	
				IN °F	OUT °F	GAS MBH	ELECTRIC VOLTS	PHASE				KW
WH-A	RESTROOM - MOUNTED BELOW COUNTER NEAR (LAV)	--	--	50	106	--	208	1	4.1	EEMAX SP4208	--	TEMPERATURE SETTING SHALL BE SET AT 105°F.
WH-B	BREAK ROOM - MOUNTED BELOW COUNTER NEAR (S-1)	--	--	50	106	--	208	1	4.1	EEMAX SP4208	--	TEMPERATURE SETTING SHALL BE SET AT 120°F.



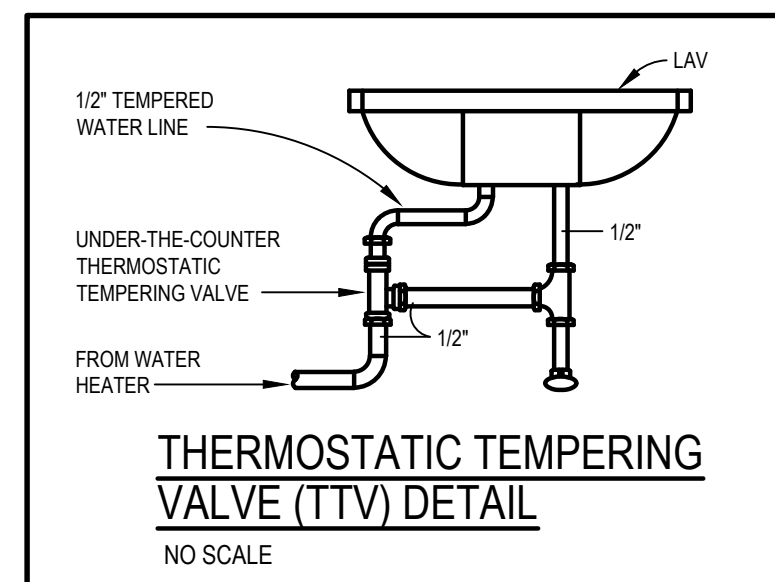
**SANITARY SCHEMATIC**  
NO SCALE



**FLOOR CLEANOUT**  
NO SCALE

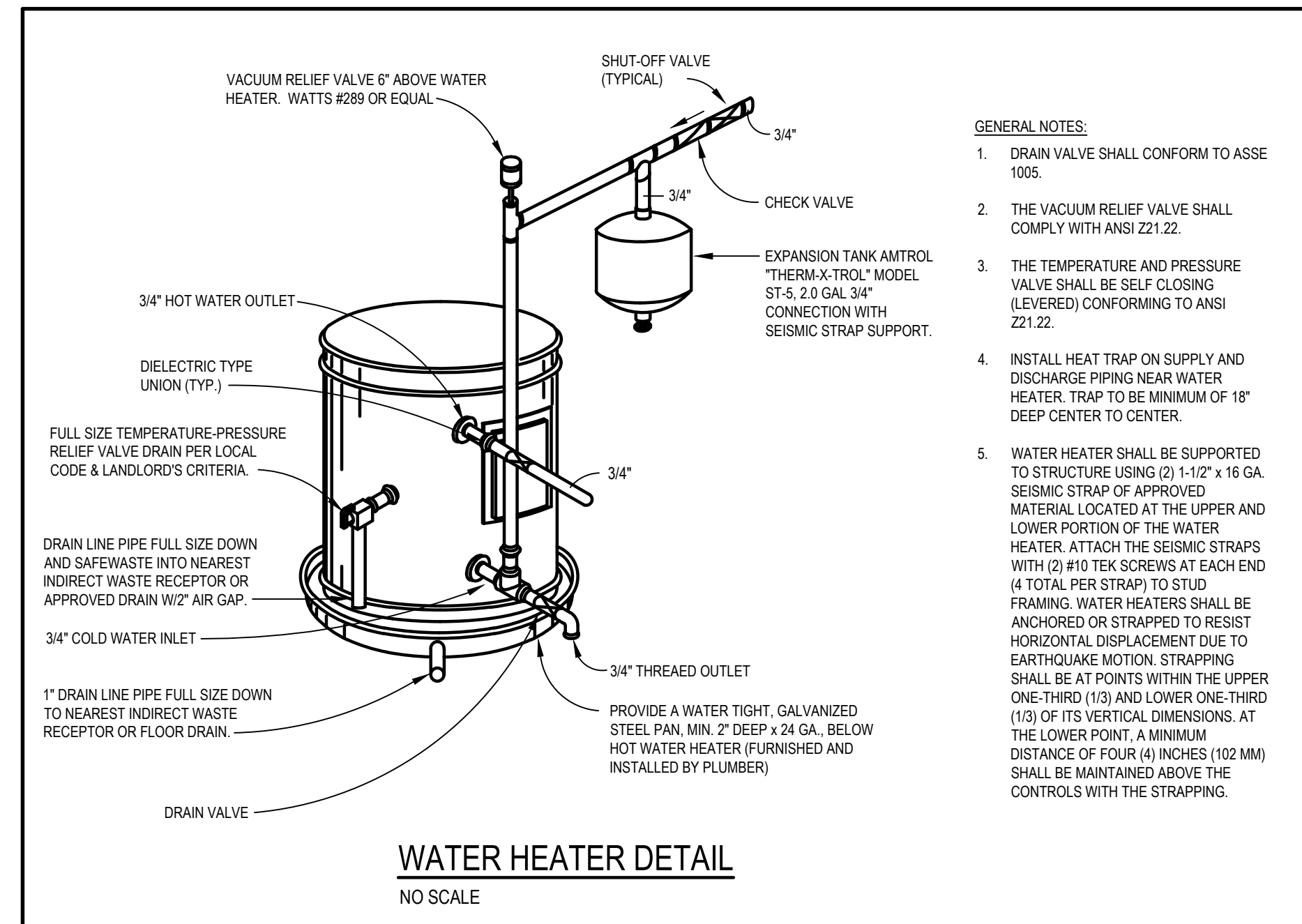


**FLOOR DRAIN (FD) DETAIL**  
NO SCALE



**THERMOSTATIC TEMPERING VALVE (TTV) DETAIL**  
NO SCALE

NOTE: PLUMBING CONTRACTOR SHALL REFER TO DWG. M3.0 FOR PLUMBING SPECIFICATIONS



**WATER HEATER DETAIL**  
NO SCALE

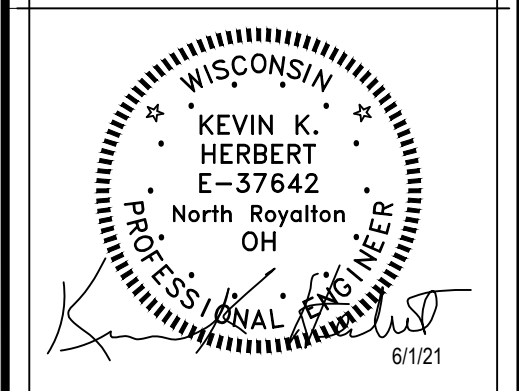
- GENERAL NOTES:**
- DRAIN VALVE SHALL CONFORM TO ASSE 1005.
  - THE VACUUM RELIEF VALVE SHALL COMPLY WITH ANSI Z21.22.
  - THE TEMPERATURE AND PRESSURE VALVE SHALL BE SELF-CLOSING (LEVERED) CONFORMING TO ANSI Z21.22.
  - INSTALL HEAT TRAP ON SUPPLY AND DISCHARGE PIPING NEAR WATER HEATER. TRAP TO BE MINIMUM OF 18" DEEP CENTER TO CENTER.
  - WATER HEATER SHALL BE SUPPORTED TO STRUCTURE USING (2) 1-1/2" x 16 GA. SEISMIC STRAP OF APPROVED MATERIAL LOCATED AT THE UPPER AND LOWER PORTION OF THE WATER HEATER. ATTACH THE SEISMIC STRAPS WITH (2) #10 TEK SCREWS AT EACH END (4 TOTAL PER STRAP) TO STUD FRAMING. WATER HEATERS SHALL BE ANCHORED OR STRAPPED TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION. STRAPPING SHALL BE AT POINTS WITHIN THE UPPER ONE-THIRD (1/3) AND LOWER ONE-THIRD (1/3) OF ITS VERTICAL DIMENSIONS. AT THE LOWER POINT, A MINIMUM DISTANCE OF FOUR (4) INCHES (102 MM) SHALL BE MAINTAINED ABOVE THE CONTROLS WITH THE STRAPPING.

PLUMBING LEGEND	
SYMBOL	DESCRIPTION
---	COLD WATER PIPING (CW)
----	HOT WATER PIPING (HW)
----	SANITARY SEWER (BELOW GRADE)
○	CLEANOUT
---	SANITARY VENT PIPING
G	GAS PIPING
⌘	SHUT-OFF VALVE IN RISER
⌘	SHUT-OFF VALVE
⌘	RISER DOWN (ELBOW)
⌘	RISER UP (ELBOW)
⌘	BRANCH-TOP CONNECTION
⌘	BRANCH-BOTTOM CONNECTION
⌘	TEE
⌘	ELBOW
WCO	WALL CLEANOUT
WC	WATER CLOSET
LAV	LAVATORY
SK	SINK
LT	LAUNDRY TUB
WH	WATER HEATER
PC	PLUMBING CONTRACTOR
GC	GENERAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
MC	MECHANICAL CONTRACTOR

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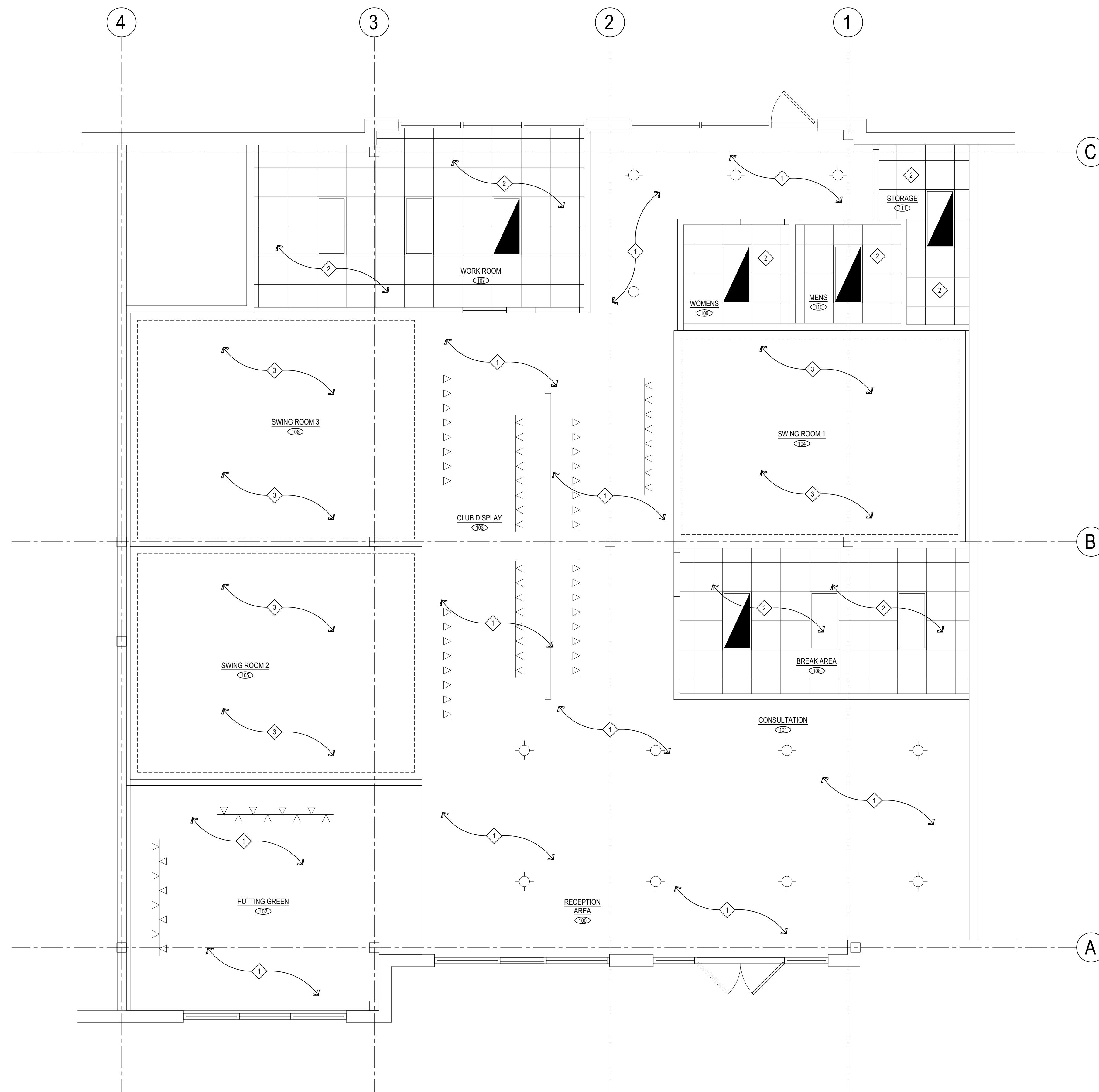
<b>PLUMBING DETAILS</b>	
DATE	06/01/21
JOB NO.	21140
<b>P2.0</b>	
SHEET NO.	



**KKS ARCHITECT**  
Kurt L. Schmitz, Architect  
17710 Oakleaf Avenue, Suite 100, Cleveland, Ohio 44107  
Phone (216) 521-5134 • Fax (216) 521-1424 • www.kksarchitects.com

**CLUB CHAMPION GOLF**  
6629 MINERAL POINT RD.  
MADISON, WI 53705

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**FIRE PROTECTION PLAN**

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



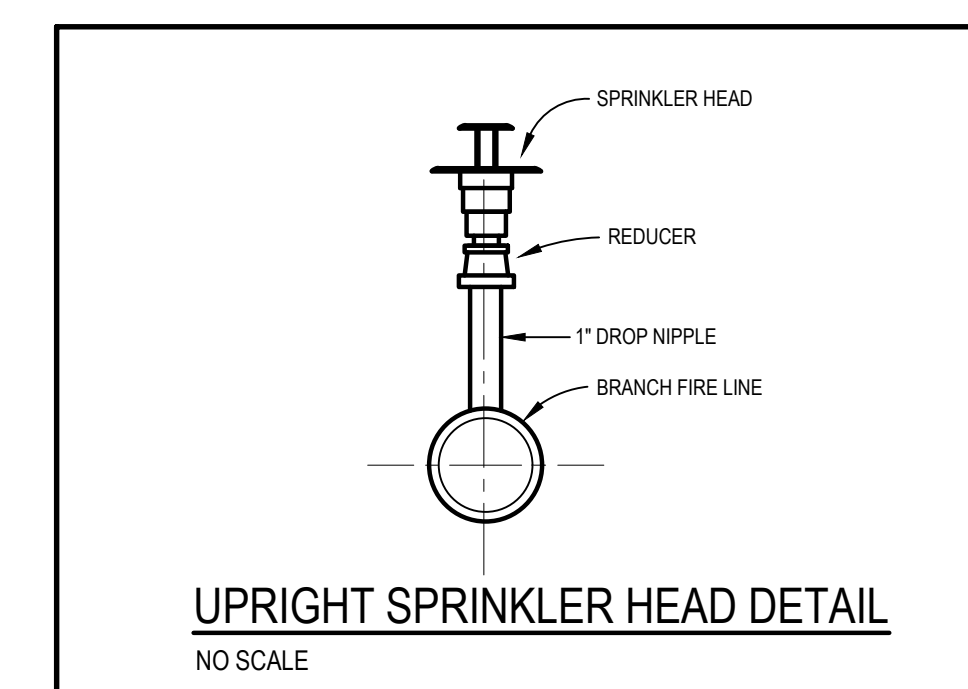
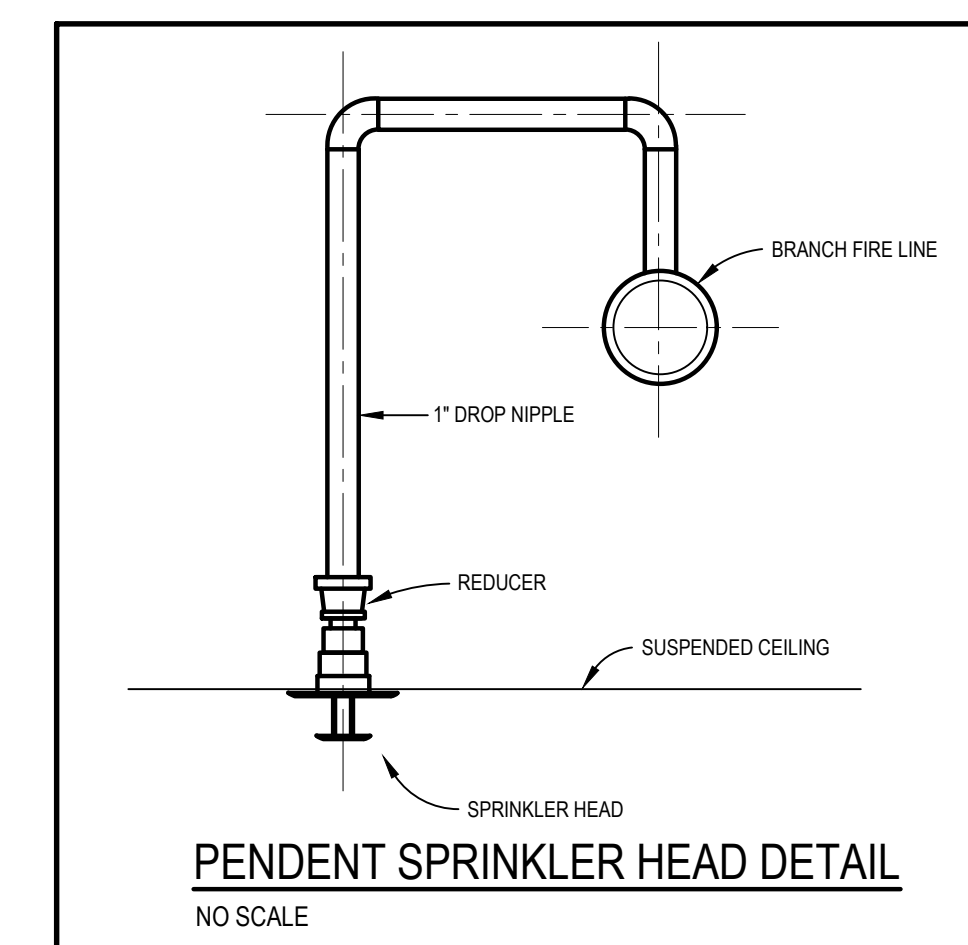
NOTE:  
 SPRINKLER CONTRACTOR SHALL ENSURE THAT EXISTING FIRE PROTECTION SYSTEM IS IN PROPER WORKING ORDER INCLUDING BUT NOT LIMITED TO BACKFLOW PREVENTION, FLOW AND TAMPER SWITCHES, ALARMS, ETC... AND MEETS NFPA-13 AND LOCAL FIRE DEPARTMENT REQUIREMENTS. PROVIDE 5 YEAR SYSTEM CERTIFICATION AT ROUGH INSPECTION.

**FIRE PROTECTION NOTES:**

1. THIS DRAWING IS FOR REFERENCE PURPOSE ONLY. THE FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL DESIGN OF THE SPRINKLER SYSTEM AND ITS CONFORMANCE TO NFPA 13 AND ANY LOCAL CODE REQUIREMENTS. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL NEEDED OFFSETS, CHANGES IN DIRECTION, TRANSITIONS, ETC. NEEDED FOR COMPLETE AND OPERATIONAL SYSTEMS.
2. THE CONTRACTOR WILL VISIT THE SITE AND BE FAMILIAR WITH SITE CONDITIONS. NO EQUIPMENT OR MATERIAL IS TO BE ORDERED OR FABRICATED PRIOR TO FIELD VERIFICATION OF ALL MEASUREMENTS, CLEARANCES, POTENTIAL CONFLICTS WITH EXISTING CONDITIONS OR THAT OF OTHER TRADES ON THE JOB.
3. PERFORM ALL WORK IN ACCORDANCE WITH THE RULES & REGULATIONS OF THE APPROPRIATE STATE AND LOCAL BUILDING CODES AND SUBTILES.
4. QUESTIONS REGARDING THESE DRAWINGS SHALL BE ADDRESSED TO THE ENGINEER PRIOR TO THE AWARDED OF THE CONTRACT. OTHERWISE THE ENGINEER'S INTERPRETATION OF THE MEANING AND INTENT OF THE DRAWINGS SHALL BE FINAL.
5. SPRINKLER CONTRACTOR RESPONSIBLE TO OBTAIN A COPY OF THE SPECIFICATION ON DWG. M3.0 AND COMPLYING WITH THE REQUIREMENTS THEREIN AS A MINIMUM REQUIREMENT.
6. SPRINKLER CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CEILING TYPES, HEIGHTS, COLOR, ELEVATIONS, SOFFITS, DISPLAY WINDOWS, ETC.
7. FIRE PROTECTION SHOP DRAWINGS MUST BE SUBMITTED FOR DEPARTMENT REVIEW AND APPROVAL AT LEAST TWO WEEKS BEFORE THE PROJECTED INSTALLATION DATE.
8. FAILURE TO OBTAIN APPROVAL OF THESE DRAWINGS BEFORE INSTALLATION COULD RESULT NOT ONLY IN DELAY OF THE FINAL INSPECTION AND ISSUANCE OF AN OCCUPANCY PERMIT, BUT ALSO IN REMOVAL AND RECONSTRUCTION OF INSTALLATIONS WHICH FAIL TO MEET LOCAL AND NFPA REQUIREMENTS.
9. SPRINKLER CONTRACTOR SHALL SUBMIT WORKING FIRE PROTECTION PLANS, HYDRAULIC CALCULATIONS, ETC... TO THE FIRE DEPARTMENT FOR SEPARATE PLAN CHECK.

**FIRE PROTECTION KEY NOTES:**

1. MODIFY SPRINKLERS AND PIPING OF EXISTING FIRE PROTECTION SYSTEM AS NECESSARY TO ACCOMMODATE THE INSTALLATION OF NEW WALLS (WHERE APPLICABLE) AND LIGHTS PER NFPA 13 REQUIREMENTS. SPRINKLER HEADS SHALL BE UPRIGHT TYPE IN OPEN AREAS.
2. MODIFY SPRINKLERS AND PIPING OF EXISTING FIRE PROTECTION SYSTEM AS NECESSARY TO ACCOMMODATE THE INSTALLATION OF NEW WALLS, CEILING GRIDS, AND LIGHTS PER NFPA 13 REQUIREMENTS. SPRINKLER HEADS SHALL BE PENDENT TYPE.
3. MODIFY SPRINKLERS AND PIPING OF EXISTING FIRE PROTECTION SYSTEM AS NECESSARY TO ACCOMMODATE THE INSTALLATION OF NEW WALLS AND LIGHTS PER NFPA 13 REQUIREMENTS. SPRINKLER HEADS SHALL BE UPRIGHT TYPE IN OPEN AREAS TO MATCH EXISTING. SPRINKLER PIPING IN THIS AREA TO BE A MINIMUM OF 12'-6" ABOVE FINISHED FLOOR. MODIFY PIPING AND HEADS AS NECESSARY TO MAINTAIN MINIMUM CLEARANCES.



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**REVISIONS**

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**FIRE PROTECTION PLAN**

DATE 06/01/21

JOB NO. 21140

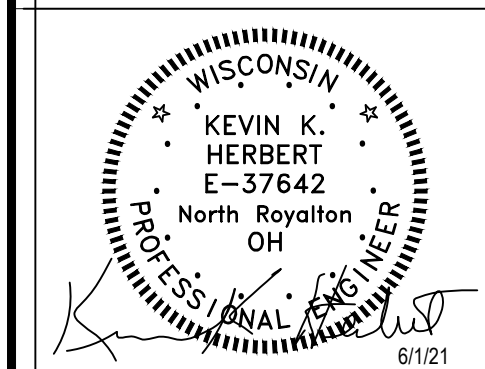
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**CLUB CHAMPION GOLF**

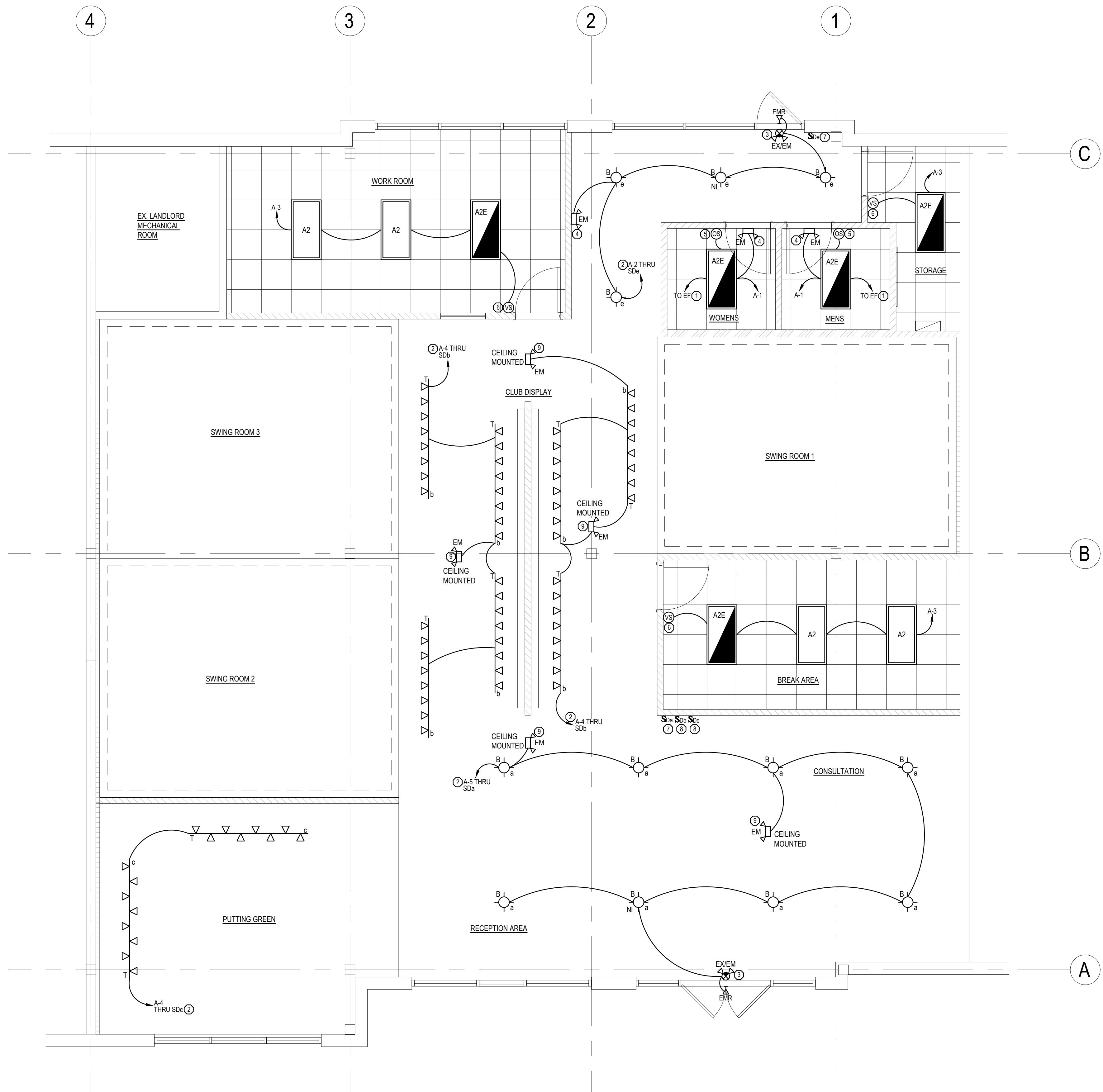
6629 MINERAL POINT RD. MADISON, WI 53705



Kurt L. Schmitz, Architect  
 17710 Detroit Avenue, Lakewood, Ohio 44107  
 Phone (216) 521-1514 • Fax (216) 521-4924 • www.klsarchitects.com



6/1/21



**N**  
**LIGHTING PLAN**  
 SCALE 1/4" = 1'-0"

LIGHTING FIXTURE SCHEDULE				
TYPE	LAMP	WATTS	DESCRIPTION	CATALOG NO.
A2	LED 3500K	28	2x4' RECESSED LED TROFFER WITH FLUSH WHITE ALUMINUM DOOR.	PHILIPS DAYBRITE# 2TG43L835-4-FA-12F-UNV-DIM
A2E	LED 3500K	28	2x4' RECESSED LED TROFFER WITH FLUSH WHITE ALUMINUM DOOR.	PHILIPS DAYBRITE# 2TG35L835-4-FA-12F-UNV-DIM-EMLED
B	LED A19 4000K	17	MEDIUM BASED LED PENDANT, SUSPENDED FROM ABOVE SO THAT BOTTOM OF FIXTURE AT 10'-0" AFF.	PROGRESS LIGHTING# P5182-09 PROVIDE W/ DIMMABLE 15 WATT LED A21 3500K
T	LED PAR 30 4000K	13	SINGLE CIRCUIT TRACK WITH TRACK HEADS, SUSPENDED FROM ABOVE SO THAT BOTTOM OF FIXTURE AT 10'-0" AFF. PROVIDE WITH DIMMABLE LED PAR 30 LONG NECK 3500K LAMPS.	TRACK: GENERAL ELECTRIC# GES208-2/GES11-2/GES17-2 (NOTE #3) TRACK HEADS: GENERAL ELECTRIC# LTPGP30A1G1BLCK (NOTE #3)
EM	LED	2	WALL MOUNTED EMERGENCY LIGHTING UNIT WITH LED LAMPS AND 90 MINUTE BATTERY. CONTRACTOR TO VERIFY EXACT MOUNTING LOCATION & METHOD WITH ARCHITECT MOUNT AT 10' AFF. NOTE: AIM HEADS AS REQUIRED FOR PROPER ILLUMINATION ALONG PATH OF EGRESS AS JUST AS REQUIRED PER AHJ.	PHILIPS CHLORIDE# VLLU
EX/EM	LED	2	THERMOPLASTIC LED EXIT SIGN WITH UNIVERSAL MOUNTING, RED LETTERS ON A WHITE STENCIL FACE, CHEVRON KNOCKOUTS. INCLUDES EMERGENCY LIGHTING UNIT WITH TWO ROUND WHITE THERMOPLASTIC FACEPLATE, AND 120/277V INPUT, AND NICKEL CADMIUM BATTERY. NOTE: MOUNTING, NUMBER OF FACES AND CHEVRONS AS INDICATED ON PLANS. VERIFY PRIOR TO ORDERING. NOTE: AIM HEADS AS REQUIRED FOR PROPER ILLUMINATION ALONG PATH OF EGRESS, ADJUST AS REQUIRED PER AHJ.	PHILIPS CHLORIDE# VLLCR2R
EMR	-	-	EMERGENCY DISCHARGE LIGHT W/ 2 HEADS - WET LOCATION.	PHILIPS CHLORIDE# VLL2R

NOTES:  
 1. CONNECT ALL EXIT & EMERGENCY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCHING OR CONTROLS.  
 2. VERIFY EXACT FIXTURES CATALOG NUMBER, FINISH, LAMP(S), LENGTHS AND OPTIONS WITH TENANT/ARCHITECT PRIOR TO ORDERING.  
 3. OR APPROVED EQUAL. TRACK HEADS NOT TO EXCEED WATTAGE SPECIFIED.

- GENERAL ELECTRICAL DEMOLITION NOTES**
- A) NO ATTEMPT HAS BEEN MADE TO INDICATE ALL EXISTING ELECTRICAL DEVICES, LIGHT FIXTURES, COMMUNICATION DEVICES, WIRING, CONDUIT, ETC. TO BE REMOVED AND/OR RELOCATED. HOWEVER, THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION PRIOR TO SUBMITTING BID.
  - B) REMOVE AND/OR RELOCATE EXISTING ELECTRICAL DEVICES NOT NOTED AS EXISTING TO REMAIN. COORDINATE SUCH CONDITIONS WITH ARCHITECTURAL DRAWINGS.
  - C) EXISTING CONDUITS, CIRCUITS OR SYSTEMS IN WALLS OR CEILING BEING REMOVED WHICH SERVE SURROUNDING UNREMODELED AREAS SHALL BE REWORKED AND MAINTAINED.
  - D) EXISTING CONDUITS, CIRCUITS OR SYSTEMS PASSING THROUGH THE REMODELED AREAS WHICH SERVE UNREMODELED AREAS SHALL REMAIN AND BE PROTECTED DURING DEMOLITION AND REMODELING, AND SHALL BE RELOCATED AND REROUTED.
  - E) CONTINUITY OF CIRCUITS INTERRUPTED BY REMOVAL OF ELECTRICAL DEVICES SHALL BE MAINTAINED.
  - F) ALL UNUSED WIRE (POWER & COMMUNICATION) SHALL BE REMOVED.
  - G) ALL EXISTING WIRING (POWER & COMMUNICATION) THAT IS TO REMAIN SHALL BE REWORKED OR REPLACED WITH CODE COMPLIANT MATERIAL & SUPPORTS. ANY EXISTING SURFACE MOUNTED CONDUITS SHALL BE REMOVED OR RELOCATED SO THAT THEY ARE IN THE JOIST SPACE OR WITHIN WALL CAVITIES.
  - H) EXISTING LIGHT FIXTURES THAT REMAIN OR ARE BEING RELOCATED SHALL BE CLEANED AND RE-LAMPED WITH 4' T8 LAMPS. BROKEN LENSES SHALL BE REPLACED. PROVIDE NEW T8 BALLASTS IF REQUIRED.
  - I) EXISTING LIGHT FIXTURES, ELECTRICAL / TELECOMMUNICATION DEVICES, PANELBOARDS ETC. THAT ARE NOT TO BE REMOVED SHALL BE NOTED AS EXISTING TO REMAIN ON THE DRAWINGS. SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION ON SCOPE OF DEMOLITION.

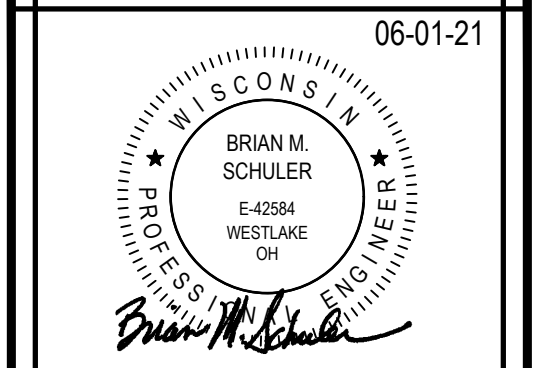
- LIGHTING PLAN NOTES**
- 01 RESTROOM EXHAUST FAN TO BE CIRCUITED WITH THE RESTROOM LIGHT AND CONTROLLED BY THE OCCUPANCY SENSOR.
  - 02 WIRE THRU LIGHTING CONTACTOR LC-1 CONTROLLED BY TIME CLOCK.
  - 03 PROVIDE EXEM FIXTURE AND EMR FIXTURE. WIRE TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCHES OR CONTROLS.
  - 04 PROVIDE WALL MOUNTED EM FIXTURE. WIRE TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCHES OR CONTROLS.
  - 05 PROVIDE WALL MOUNTED VACANCY SENSOR. CIRCUIT AS SHOWN. SENSOR TO BE MANUAL 'ON' AND AUTO 'OFF' AFTER NO MOTION IS DETECTED FOR 30 MINUTES.
  - 06 PROVIDE WALL MOUNTED COMBINATION VACANCY SENSOR/DIMMER SWITCH FOR LED LAMPS. CIRCUIT AS SHOWN. SENSOR TO BE MANUAL 'ON' AND AUTO 'OFF' AFTER NO MOTION IS DETECTED FOR 30 MINUTES.
  - 07 PROVIDE 1000 WATT DIMMER SWITCH SUITABLE TO DIM LED A19 LAMPS INSTALLED IN FIXTURES.
  - 08 PROVIDE 1000 WATT DIMMER SWITCH SUITABLE TO DIM LED PAR30 LAMPS INSTALLED IN FIXTURES.
  - 09 PROVIDE CEILING MOUNTED EM FIXTURE. WIRE TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCHES OR CONTROLS.

NOTE: COORDINATE LIGHTING, SWITCHES, ETC. WITH TENANT AND LOCAL AHJ AS REQUIRED TO ENSURE NO CONFLICT EXISTS WITH CLUB DISPLAY.

LIGHT FIXTURES & ASSOCIATED MOUNTING HARDWARE AS WELL AS ANY CONDUITS SHALL NOT BE DIRECTLY MOUNTED TO THE ROOF DECK.

TRACK LIGHTING IS CONNECTED TO A SINGLE 15A CIRCUIT BREAKER. CIRCUIT BREAKER ACTS AS CURRENT LIMITING DEVICE.

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**CLUB CHAMPION GOLF**  
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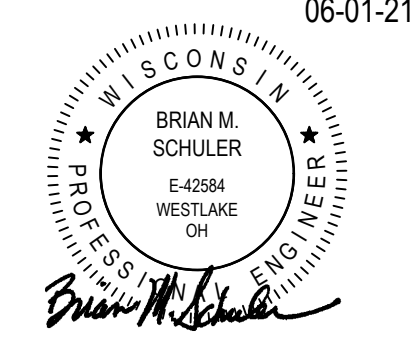
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**LIGHTING PLAN**

DATE 06/01/21  
 JOB NO. 21140

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 SHEET NO.



# KLS ARCHITECT

Kurt L. Schmitz, Architect  
17710 Detroit Avenue, Lakewood, Ohio 44107  
Phone (216) 521-5134 • Fax (216) 521-8824 • www.klsarchitects.com

## CLUB CHAMPION GOLF

MADISON, WI 53705

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ELECTRICAL LEGEND	
LIGHTING	POWER
<b>S</b> WALL SWITCH @ 48" AFF, 20A 120V	<b>DR</b> DUPLEX RECEPTACLE 20A, 125V C = CEILING MOUNTED SW = SHOW WINDOW
<b>S3</b> THREE-WAY SWITCH @ 48" AFF, 20A 120V	<b>DF</b> DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER @ 80" AFF, 20A 125V
<b>OS</b> OCCUPANCY SENSOR DIMMER WALL MOUNTED @ 48" AFF. LUTRON# MSLC-OP153M	<b>DFP</b> DUPLEX RECEPTACLE WITH WEATHERPROOF WHILE-IN-USE COVER @ 18" AFF. OR AFG. 20A 125V
<b>OS3</b> VACANCY SENSOR DIMMER @ 48" AFF. 20A, 120V LUTRON# MSLC-VP153M	<b>DRS</b> SPECIAL RECEPTACLE AMPERAGE. @ 20" AFF. COORDINATE NEMA CONFIG. WITH EQUIPMENT FED.
<b>FL</b> FLUORESCENT LIGHTING OUTLET, RECESSED OR SURFACE MOUNTED PER FIXTURE SCHEDULE	<b>JB</b> JUNCTION BOX MOUNTED AS NOTED
<b>FLC</b> CEILING LIGHTING OUTLET, RECESSED OR SURFACE MOUNTED PER FIXTURE SCHEDULE	<b>SD</b> SAFETY DISCONNECT SWITCH @ 60" AFF TO TOP
<b>FLW</b> WALL LIGHTING OUTLET @ HEIGHT PER FIXTURE SCHEDULE OF ARCHITECTURAL ELEVATIONS	<b>PN</b> PANELBOARD, FLUSH MOUNTED @ 6'-0" AFF TO TOP
<b>FLC</b> COMBINATION EMERGENCY EXIT/EGRESS LIGHT, SINGLE FACE, CEILING MOUNTED	<b>DD</b> DOUBLE DUPLEX RECEPTACLE @ 20" AFF 20A 125V
<b>EL</b> EMERGENCY EGRESS LIGHT @ 90" AFF WALL MOUNTED.	<b>TD</b> TELEDATA OUTLET MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED. PROVIDE 34°C AND/OR PULLSTRING TO ACCESSIBLE CLG. OR AREA AS REQ.
<b>EMR</b> EMERGENCY REMOTE HEAD FOR EXIT DISCHARGE	<b>WR</b> WIREMOLD FLOORBOX SERIES RFB WITH QUADRAPLEX ELECTRICAL OUTLET RATED AT 20 AMPS AND MULTIPLE TELEPHONEDATA RECEPTACLES COLOR AND FINISH AS SELECTED BY ARCHITECT. RFB4, BLACK COVER PLATE
<b>FR</b> FLUSH FLOOR DUPLEX RECEPTACLE, 20A 125V	<b>WRD</b> WIREMOLD FLOORBOX SERIES RFB WITH DUPLEX ELECTRICAL OUTLET RATED AT 20 AMPS AND MULTIPLE TELEPHONEDATA RECEPTACLES COLOR AND FINISH AS SELECTED BY ARCHITECT. RFB4, BLACK COVER PLATE
<b>CC</b> DAY LIGHT CONTROL SENSOR LUTRON# LRF2-DCRB	<b>EX</b> EXISTING TO REMAIN.
<b>CCV</b> CCTV CAMERA - CEILING MOUNTED BY OTHERS	
<b>CO</b> CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR MOUNTED AT 12'-0" AFF. WATTSTOPPER# OMH-DT1000-UVPP	

FIRE ALARM LEGEND	
<b>FIRE ALARM LEGEND NOTES:</b>	
1. MOUNTING HEIGHTS INDICATED ARE TO THE CENTER OF THE DEVICE OR FIXTURE.	
2. MOUNTING HEIGHTS ARE TYPICAL UNLESS NOTED OTHERWISE ON THE FLOOR PLANS.	
3. REFER TO ARCHITECTURAL ELEVATIONS FOR ADDITIONAL INFORMATION ON EXACT DEVICE AND FIXTURE LOCATIONS. MOUNTING HEIGHTS AND COORDINATION WITH ARCHITECTURAL HARDWARE AND FIXTURES.	
4. NOT ALL SYMBOLS APPLY.	
<b>F</b> FIRE ALARM SYSTEM MANUAL PULL STATION @ 48" AFF. ADDRESSABLE.	<b>FACP</b> FIRE ALARM CONTROL PANEL @ 6'-0" TO TOP.
<b>FD</b> FIRE ALARM SYSTEM VISUAL ONLY SIGNAL DEVICE. (STROBE) @ 80" AFF.	<b>ANN</b> FIRE ALARM REMOTE ANNUNCIATOR PANEL.
<b>FAV</b> FIRE ALARM SYSTEM COMBINATION AUDIOVISUAL SIGNAL DEVICE (HORN/STROBE) @ 80" AFF.	<b>PSD</b> PHOTOELECTRIC SMOKE DETECTOR WITH PROBE, DUCT MOUNTED.
<b>PSD</b> FIRE ALARM SYSTEM PHOTOELECTRIC SMOKE DETECTOR CEILING MOUNTED, ADDRESSABLE.	<b>RTS</b> REMOTE TEST STATION FOR DUCT MOUNTED SMOKE DETECTOR @ 54" AFF.
<b>TS</b> FIRE SUPPRESSION SYSTEM TAMPER SWITCH FURN. AND INSTALLED BY FIRE PROTECTION CONTRACTOR. WIRED BY ELECTRICAL CONTRACTOR. PROVIDE ADDRESSABLE MONITOR MODULE.	<b>WLS</b> FIRE SUPPRESSION SYSTEM WATER/LOW SWITCH FURN. AND INSTALLED BY FIRE PROTECTION CONTRACTOR. WIRED BY ELECTRICAL CONTRACTOR. PROVIDE ADDRESSABLE MONITOR MODULE.
CONNECT ALL DEVICES TO EXISTING FIRE ALARM SYSTEM. UTILIZE LANDLORDS FIRE ALARM CONTRACTOR FOR INSTALLATION, PROGRAMMING, DESIGN & CITY SUBMITTALS. IF EXISTING BUILDING SYSTEM DOES NOT EXIST, FIRE ALARM DEVICES & SIGNALING DEVICES ARE NOT REQUIRED WITH THE EXCEPTION OF THE DUCT MOUNTED SMOKE DETECTORS WITH TEST STATIONS AND ALARMS.	

CONDUITS, LOW VOLTAGE WIRING OR MOUNTING HARDWARE SHALL NOT BE DIRECTLY MOUNTED TO THE ROOF DECK.

NOTE: COORDINATE OUTLETS, FIRE ALARM DEVICES (IF APPLICABLE), ETC. WITH TENANT AND LOCAL AHJ AS REQUIRED TO ENSURE NO CONFLICTS EXIST WITH CLUB DISPLAY.

NOTE: IF GFCI PROTECTED RECEPTACLES ARE "NOT READILY ACCESSIBLE" THEN THE RECEPTACLE IS TO BE FED FROM A GFCI CIRCUIT BREAKER.

NOTE: FIRE ALARM DEVICES SHOWN ON THE PLAN ARE PROVIDED FOR INFORMATION ONLY. FIRE ALARM DRAWINGS TO BE SUBMITTED UNDER SEPARATE CONTRACT AS REQUIRED.

NOTE: ALL CAT6 AND COAXIAL CABLES NEED TO BE TERMINATED ON BOTH ENDS, WITH WALL PLATES IN THE MAIN AREAS AND TERMINALS ON THE LOOSE ENDS IN THE BREAK AREA WHERE THE PHONE BOARD IS LOCATED.

### GENERAL ELECTRICAL DEMOLITION NOTES

- A) NO ATTEMPT HAS BEEN MADE TO INDICATE ALL EXISTING ELECTRICAL DEVICES, LIGHT FIXTURES, COMMUNICATION DEVICES, WIRING, CONDUIT, ETC. TO BE REMOVED AND/OR RELOCATED. HOWEVER, THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION PRIOR TO SUBMITTING BID.
- B) REMOVE AND/OR RELOCATE EXISTING ELECTRICAL DEVICES NOT NOTED AS EXISTING TO REMAIN. COORDINATE SUCH CONDITIONS WITH ARCHITECTURAL DRAWINGS.
- C) EXISTING CONDUITS, CIRCUITS OR SYSTEMS IN WALLS OR CEILING BEING REMOVED WHICH SERVE SURROUNDING UN REMODELED AREAS SHALL BE REWORKED AND MAINTAINED.
- D) EXISTING CONDUITS, CIRCUITS OR SYSTEMS PASSING THROUGH THE REMODELED AREAS WHICH SERVE UNREMODELED AREAS SHALL REMAIN AND BE PROTECTED DURING DEMOLITION AND REMODELING, AND SHALL BE RELOCATED AND REROUTED.
- E) CONTINUITY OF CIRCUITS INTERRUPTED BY REMOVAL OF ELECTRICAL DEVICES SHALL BE MAINTAINED.
- F) ALL UNUSED WIRE (POWER & COMMUNICATION) SHALL BE REMOVED.
- G) ALL EXISTING WIRING (POWER & COMMUNICATION) THAT IS TO REMAIN SHALL BE REWORKED OR REPLACED WITH CODE COMPLIANT MATERIAL & SUPPORTS. ANY EXISTING SURFACE MOUNTED CONDUITS SHALL BE REMOVED OR RELOCATED SO THAT THEY ARE IN THE JOIST SPACE OR WITHIN WALL CAVITIES.
- H) EXISTING LIGHT FIXTURES THAT REMAIN OR ARE BEING RELOCATED SHALL BE CLEANED AND RE-LAMPED WITH 4' T8 LAMPS. BROKEN LENSES SHALL BE REPLACED. PROVIDE NEW T8 BALLASTS IF REQUIRED.
- I) EXISTING LIGHT FIXTURES, ELECTRICAL / TELECOMMUNICATION DEVICES, PANELBOARDS ETC. THAT ARE NOT TO BE REMOVED SHALL BE NOTED AS EXISTING TO REMAIN ON THE DRAWINGS. SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION ON SCOPE OF DEMOLITION.

### POWER PLAN NOTES

- 01 PROVIDE J-BOX WITH DISCONNECT MEANS FOR EXTERIOR SIGN. WIRE THROUGH LIGHTING CONTACTOR LC1 CONTROLLED BY TIME CLOCK TC. CIRCUIT AS SHOWN. COORDINATE EXACT LOCATION WITH SIGN VENDOR. CLUB CHAMPION GOLF WILL NOT ENTERTAIN ANY CHANGE ORDERS FOR SIGNAGE POWER RELOCATION / OR EXTENSION THAT HAS NOT BEEN CONFIRMED WITH BOTH SIGN VENDOR AND CLUB CHAMPION GOLF.
- 02 NOTE NOT USED.
- 03 PROVIDE 4x8 PLYWOOD BACKBOARD WITH TWO DUPLEX RECEPTACLES. CIRCUIT AS SHOWN. MOUNT TIMECLOCK AND LIGHTING CONTACTORS (PER LIGHTING CONTROL DETAIL ON DRAWING E3-D) AT THIS LOCATION.
- 04 PROVIDE 1" CONDUIT FROM J-BOX TO STRUCTURE ABOVE FOR LOW VOLTAGE CABLING. RUN A CAT 6 CABLE AND TV COAX CABLE FROM J-BOX TO TELEPHONE BOARD.
- 05 MOUNT GFI RECEPTACLE @ 48" AFF.
- 06 PROVIDE 1" CONDUIT FROM J-BOX TO STRUCTURE ABOVE FOR LOW VOLTAGE CABLING. RUN A CAT 6 CABLE FROM J-BOX TO TELEPHONE BOARD.
- 07 PROVIDE 1" CONDUIT FOR LOW VOLTAGE CABLING (RUN A CAT 6 CABLE FROM J-BOX TO TELEPHONE BOARD) AND 3/4" CONDUIT FOR POWER. ROUTE ALL CONDUIT THROUGH NEAREST WALL AS SHOWN.
- 08 PROVIDE GFI QUADRAPLEX RECEPTACLE ABOVE COUNTER. FIELD VERIFY EXACT LOCATION AND ELEVATION. CIRCUIT AS SHOWN.
- 09 PROVIDE 1" CONDUIT FOR LOW VOLTAGE CABLING (RUN A CAT 6 CABLE AND TV COAX CABLE FROM J-BOX TO TELEPHONE BOARD).
- 10 PROVIDE 1" CONDUIT FROM J-BOX TO STRUCTURE ABOVE. RUN A CAT 6 CABLE FROM J-BOX TO TELEPHONE BOARD.
- 11 NOTE NOT USED.
- 12 PROVIDE QUADRAPLEX RECEPTACLE ABOVE COUNTER. FIELD VERIFY EXACT LOCATION AND ELEVATION. CIRCUIT AS SHOWN.
- 13 PROVIDE GFI RECEPTACLE ABOVE COUNTER. FIELD VERIFY EXACT LOCATION AND ELEVATION. CIRCUIT AS SHOWN.
- 14 PROVIDE GFI PROTECTED RECEPTACLE FOR WATER COOLER. CIRCUIT AS SHOWN.
- 15 CEILING MOUNTED RECEPTACLE TO BE LOCATED 2" SHORTER THAN SWING BAY DEPTH AND 12" AFF.
- 16 RECEPTACLE TO BE LOCATED 16'-0" FROM BACK WALL OF PUTTING GREEN.
- 17 EXISTING ROOF TOP HVAC UNIT TO REMAIN. PROVIDE ROOF TOP GFI RECEPTACLE & WIRE DUCT MOUNTED SMOKE DETECTOR AS REQUIRED.
- 18 ANY OVERHEAD CONDUIT IN SWING ROOM IS TO BE A MINIMUM OF 12'-6" AFF.

DO NOT SCALE THESE DRAWINGS

### REVISIONS

#	DATE	TYPE
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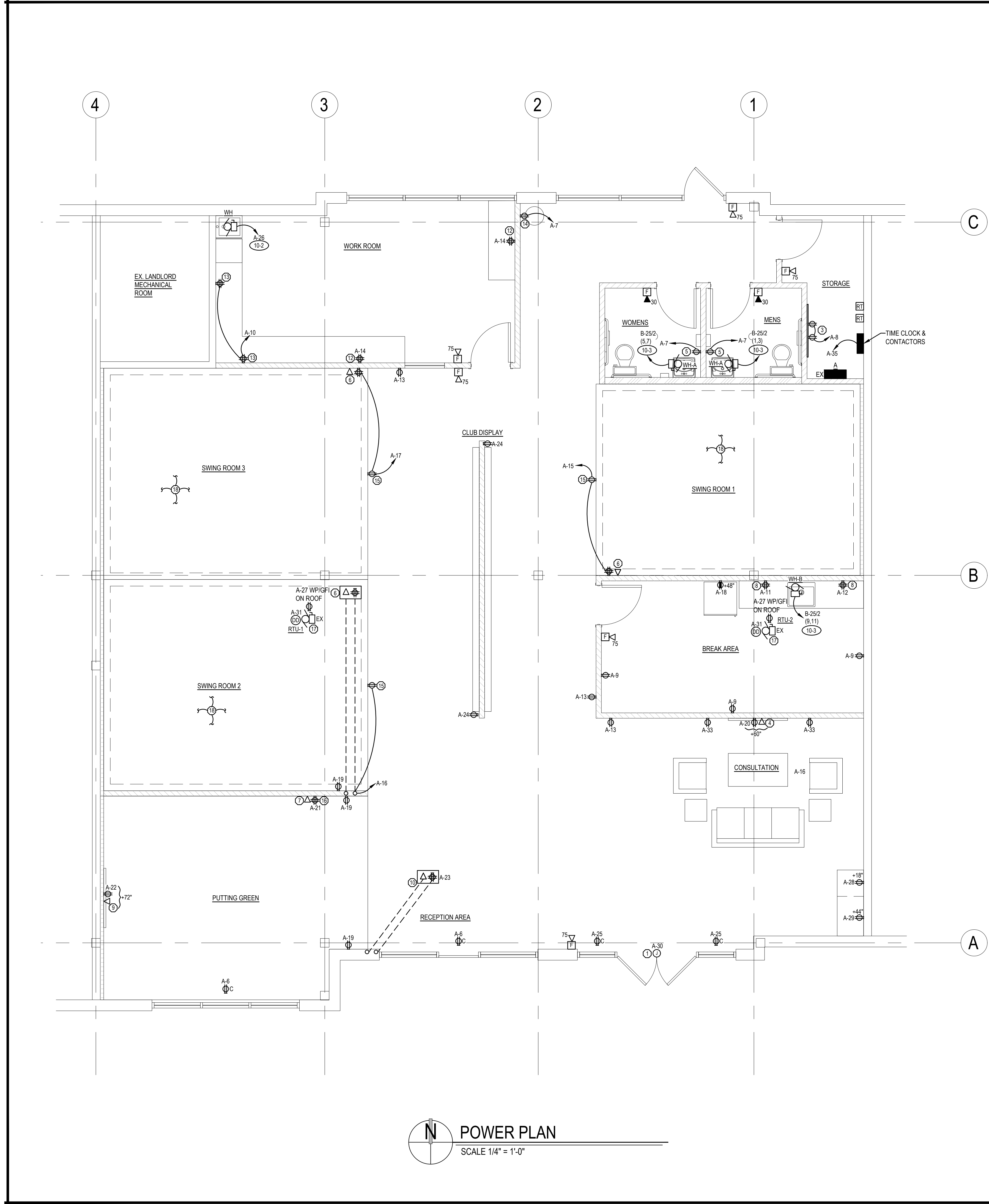
### POWER PLAN

DATE 06/01/21

JOB NO. 21140

# E2.0

SHEET NO.



**POWER PLAN**  
SCALE 1/4" = 1'-0"



ELECTRICAL SPECIFICATIONS

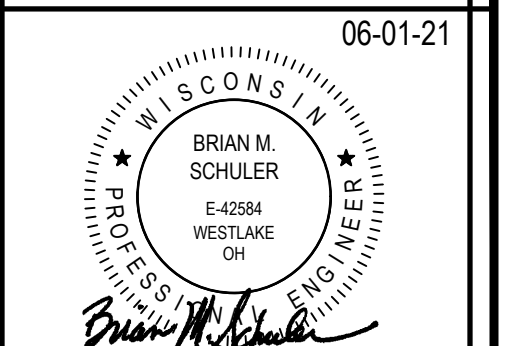
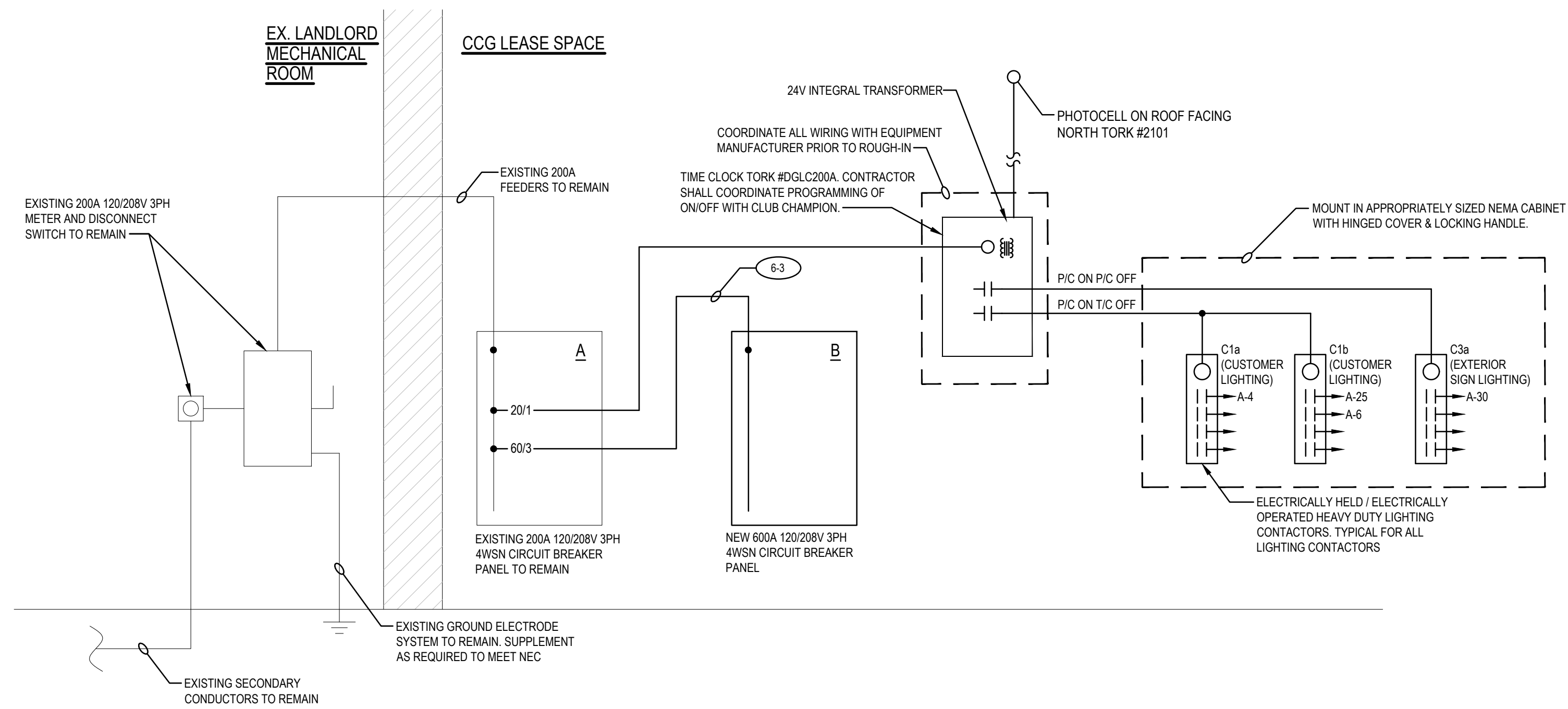
- THE REQUIREMENTS AS SET FORTH UNDER GENERAL CONDITIONS, INSTRUCTIONS TO BIDDERS AND GENERAL REQUIREMENTS ARE A PART OF THIS CONTRACT. BIDS SHALL BE BASED ON A COMPLETE/FULL SET OF DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF WORK WITH WORK PERFORMED BY OTHER TRADES.
- CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS. FIELD VERIFY ALL EXISTING ELECTRICAL LOCATIONS, CONDITIONS, ETC. FAILURE TO VISIT THE SITE SHALL NOT RELIEVE THE CONTRACTOR FROM ANY RESPONSIBILITY IN THE PERFORMANCE OF THE ELECTRICAL WORK. BEGINNING OF WORK INDICATES ACCEPTANCE OF EXISTING CONDITIONS.
- FURNISH ALL LABOR, MATERIALS, TESTING EQUIPMENT, INCIDENTALS AND TOOLS TO PERFORM ELECTRICAL WORK SHOWN, NOTED OR SCHEDULED FOR A COMPLETE AND FINISHED INSTALLATION. MATERIALS PRODUCTS AND EQUIPMENT, INCLUDING COMPONENTS THEREOF, SHALL BE NEW AND AS SUCH APPEAR ON THE UNDERWRITERS LABORATORIES LIST OF APPROVED ITEMS AND SHALL BE SEIZED IN CONFORMITY WITH REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE AND OTHER APPLICABLE CODES, WHICHEVER ARE MORE STRINGENT.
- ALL WORK TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES. ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE U.L. LABELED AND LISTED PER NEC 110.3(A)(1).
- SECURE AND PAY FOR ALL REQUIRED PERMITS, FEES, ASSESSMENTS AND INSPECTIONS CERTIFICATES THAT RELATE TO ELECTRICAL CONTRACT. FURNISH APPROVED CERTIFICATE OF FINAL INSPECTION AND TURN OVER TO OWNER AT COMPLETION OF PROJECT.
- THESE ELECTRICAL PLANS ARE DIAGRAMMATIC, NOT SHOWING EVERY ITEM IN EXACT LOCATION OR DETAIL. MEASUREMENTS AND LOCATIONS MUST BE FIELD VERIFIED AND COORDINATED WITH ARCHITECTURAL, PLUMBING, HVAC, FIRE PROTECTION, STRUCTURAL AND OTHER BUILDING DRAWINGS.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH (6) COPIES OF SHOP DRAWINGS, REVIEWED AND STAMPED APPROVED BY CONTRACTOR FOR APPROVAL BY ARCHITECT PRIOR TO ORDERING EQUIPMENT SUCH AS LIGHT FIXTURES, DISTRIBUTION EQUIPMENT AND FIRE ALARM SYSTEM.
- CONDUIT SHALL BE STANDARD STEEL RIGID OR EMT (THIN WALL) ACCORDING TO LOCAL CODE REQUIREMENTS. CONDUITS SHALL BE CONCEALED IN FINISHED AREAS IN FINISHED AREAS EXCEPT AS OTHERWISE APPROVED BY THE ARCHITECT. THE USE OF SURFACE RACEWAY EXCEPT AS CALLED FOR ON DRAWINGS SHALL REQUIRE APPROVAL OF THE ARCHITECT. EMT CONNECTIONS SHALL BE COMPRESSION OR SET-SCREW TYPE. FLEXIBLE CONDUIT OR TYPE MC CABLE SHALL BE APPROVED FOR CONCEALED BRANCH CIRCUITING AND FOR FINAL CONNECTIONS TO LIGHT FIXTURES, MOTORS AND VIBRATING EQUIPMENT WHERE SO USED TO BE GROUNDED WITH A SEPARATE FULL SIZED GREEN GROUNDING CONDUCTOR. EXPOSED FINAL TYPE MC/FLEX CONNECTIONS SHALL BE LIMITED TO 10'-0" IN LENGTH. ARRANGE CIRCUITS SO AS TO AVOID THE USE OF JUNCTION BOXES ABOVE GYPSUM CEILING AREAS, JUNCTION BOXES LOCATED ABOVE LAY-IN CEILING AREAS ARE ACCEPTABLE.
- MINIMUM SIZES OF CONDUIT SHALL BE 1/2". ALL CONDUIT AND WIRING SHALL BE RUN PARALLEL OR PERPENDICULAR TO BUILDING WALLS.
- PROVIDE ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL WORK. ALL CORE DRILLING OR CUTTING OF FIRE RATED FLOORS, SHAFTS AND WALLS SHALL BE FIRE-STOPPED TO FINISH PATCHING. ALL PENETRATIONS SHALL BE FIRE SEALED TO MATCH THE FIRE RATING OF THE FLOOR, SHAFT OR WALL PENETRATED.
- WIRE SHALL BE SINGLE CONDUCTOR COPPER WITH 600VOLT INSULATION. MINIMUM WIRE SIZE #12 AWG. ALL WIRE AND CABLE SHALL BE NEW AND SHALL BE BROUGHT TO THE SITE IN UNBROKEN PACKAGES. INCREASE CONDUCTOR BY ONE SIZE PER EVERY 150' INCREMENT OF DISTANCE FROM THE PANEL BOARD FOR 120VOLT CIRCUITS. GENERAL WIRING SHALL BE THW, THWN, THHN, OR XHHW. ALUMINUM CONDUCTORS ARE NOT PERMITTED.
- FURNISH AND INSTALL A COMPLETE WIRED GROUNDING SYSTEM FOR ELECTRICAL EQUIPMENT AND CIRCUITS AS SHOWN ON THE DRAWINGS AND REQUIRED PER N.E.C. ARTICLE 250. ALL GROUNDING CONDUCTORS SHALL BE GREEN WHERE EXPOSED IN PANEL, OUTLETS, BOXES, ETC.
- RECEPTACLES SHALL BE 20AMP, 3 WIRE GROUNDING TYPE EQUAL TO HUBELL 5362. WALL SWITCHES SHALL BE 20AMP SPECIFICATION GRADE RATED AT 120 VOLT OR 277 VOLT AS ALL REQUIRED. ALL DEVICE COVERPLATES SHALL BE PASS AND SEYMOUR OR EQUAL.
- PROVIDE ARC-FLASH HAZARD WARNING LABELS ON ALL ELECTRICAL EQUIPMENT INCLUDING SWITCHBOARDS, PANELBOARDS, MOTOR CONTROLLERS AND ANY OTHER EQUIPMENT LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING OR MAINTENANCE WHILE ENERGIZED. THE LABELS SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS PRIOR TO EXAMINATION.
- OUTLET BOXES AND COVERS SHALL BE GALVANIZED, ONE PIECE STYLE STEEL KNOCKOUT. JUNCTION, PULL BOXES AND COVERS SHALL BE GALVANIZED STEEL. CODE GAUGE SIZE. INSTALL BOXES RIGIDLY ON BUILDING STRUCTURE AND SUPPORT INDEPENDENTLY OF THE CONDUIT SYSTEM. ALSO PROVIDE APPROPRIATE BOX EXTENSIONS TO EXTEND BOXES TO FINISHED ACES OF WALLS ETC. ALL OUTLET BOXES TO HAVE SUITABLE BLOCKING BEHIND THEM TO MINIMIZE THE DEFLECTIONS THAT OCCUR WHEN PLUGGING/UNPLUGGING INTO THESE DEVICES.
- ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY SERVICE AND PROVIDE LIGHTING, POWER AND WIRING AS REQUIRED TO FACILITATE APPLICABLE TEMPORARY NEEDS FOR ALL TRADES. THEY SHALL FURNISH EXTENSION CORDS FOR THEIR OWN USE. ANY TEMPORARY WIRING, FUSES, ETC SHALL BE REMOVED UPON COMPLETION OF THE PROJECT. PROVIDE GROUND FAULT PROTECTION AS REQUIRED BY N.E.C.
- ALL ELECTRICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING AND REPAIRING. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL SUCH AS CHANNELS, RODS, ETC. NECESSARY FOR THE INSTALLATION OF WORK AND SHALL BE FASTENED TO BUILDING STEEL, CONCRETE OR MASONRY, BUT NOT PIPING OR DUCTWORK. ALL CONDUIT SHALL BE CONCEALED WHEREVER POSSIBLE. CONDUITS SHALL BE IN STRAIGHT LINES PARALLEL WITH OR AT RIGHT ANGLES TO COLUMN LINES OR BEAMS AND SEPARATED AT LEAST 3 INCHES FROM WATER LINES WHEREVER THEY RUN ALONGSIDE OR ACROSS SUCH LINES. ALL CONDUCTORS SHALL BE IN CONDUIT, DUCTS OR OTHER CODE APPROVED RACEWAYS.
- PANELBOARDS AND DISCONNECT SWITCHES SHALL BE IDENTIFIED WITH ENGRAVED BAKELITE NAMEPLATES AS TO DESIGNATION AND VOLTAGE.
- MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS APPEARING IN THAT PERIOD SHALL BE CORRECTED AT THE ELECTRICAL CONTRACTOR'S EXPENSE. FOR THE SAME PERIOD, ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK EQUIPMENT, FURNISHED AND/OR INSTALLED BY THE ELECTRICAL CONTRACTOR.
- IT IS THE INTENT THAT THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT AND THAT ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT NECESSARY TO FULLY COMPLETE THE WORK SHALL BE FURNISHED.
- THE ELECTRICAL CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR ALL COMMUNICATION AND COORDINATION WITH THE TELEPHONE COMPANY, AND RESPONSIBLE FOR FURNISHING AND INSTALLING ALL CONDUITS, TRENCHING, BACKFILLING, ETC. TO COMPLY WITH TELEPHONE COMPANY REQUIREMENTS TO ACHIEVE THE INTENT OF THE DRAWINGS.
- PROVIDE O & M MANUALS & AS-BUILT DRAWINGS TO THE OWNER WITHIN 30 DAYS OF FINAL ACCEPTANCE.

WIRE LEGEND					
Tag	Fill	Tag	Fill	Tag	Fill
(No Tag)	(2) #12, #12GND-3/4"	4-4	(4) #4, #4GND-1 1/4"	4/0-3	(3) #4/0, #2GND-2" C
12-3	(3) #12, #12GND-3/4"	2-2	(2) #2, #4GND-1"	4/0-4	(4) #4/0, #2GND-2 1/2" C
12-4	(4) #12, #12GND-3/4"	2-3	(3) #2, #4GND-1 1/4"	3/00-2	(2) 300KCMIL, #10GND-2" C
10-2	(2) #10, #10GND-3/4"	2-4	(4) #2, #4GND-1 1/4"	3/00-3	(3) 300KCMIL, #10GND-2 1/2" C
10-3	(3) #10, #10GND-3/4"	1-2	(2) #1, #4GND-1 1/4"	3/00-4	(4) 300KCMIL, #10GND-2 1/2" C
10-4	(4) #10, #10GND-3/4"	1-3	(3) #1, #4GND-1 1/4"	350-2	(2) 350KCMIL, #30GND-2" C
8-2	(2) #8, #8GND-1"	1-4	(4) #1, #4GND-1 1/2"	350-3	(3) 350KCMIL, #30GND-2 1/2" C
8-3	(3) #8, #8GND-1"	1/0-2	(2) #1/0, #2GND-1 1/4"	350-4	(4) 350KCMIL, #30GND-3" C
8-4	(4) #8, #8GND-1"	1/0-3	(3) #1/0, #2GND-1 1/2"	500-2	(2) 500KCMIL, #30GND-2 1/2" C
6-2	(2) #6, #6GND-1"	1/0-4	(4) #1/0, #2GND-2" C	500-3	(3) 500KCMIL, #30GND-3" C
6-3	(3) #6, #6GND-1"	3/0-2	(2) #3/0, #2GND-1 1/2"	500-4	(4) 500KCMIL, #30GND-3 1/2" C
6-4	(4) #6, #6GND-1"	3/0-3	(3) #3/0, #2GND-2" C	600-2	(2) 600KCMIL, #30GND-3" C
4-2	(2) #4, #4GND-1"	3/0-4	(4) #3/0, #2GND-2" C	600-3	(3) 600KCMIL, #30GND-3 1/2" C
4-3	(3) #4, #4GND-1"	4/0-2	(2) #4/0, #2GND-2" C	600-4	(4) 600KCMIL, #30GND-3 1/2" C

NOTE: CONDUIT SIZES ARE FOR EMT & IMC. FOR PVC & RGC INCREASE CONDUIT BY (1) TRADE SIZE. FOR FLEXIBLE CONDUIT SIZES REFER TO NEC. ALL WIRE SIZES SHOWN ON DRAWINGS ARE FOR COPPER CONDUCTORS.

CKT.	DESCRIPTION	KVA CONNECTED				C/B	REMARKS	C/B	KVA CONNECTED				DESCRIPTION	CKT	
		LTG.	REC.	HVAC	MISC.				MISC.	HVAC	REC.	LTG.			
1	TOILET ROOM LIGHTING / FANS	0.1				20/1	-	20/1				0.1	CORRIDOR LIGHTING	2	
3	WORK / BREAK ROOM LIGHTING	0.3				20/1	-	LC 15/1				1.0	TRACK LIGHTING	4	
5	RECEPTION / CONSULTATION LIGHTING	0.2				20/1	-	C 20/1			0.4	CEILING RECEPTACLE	6		
7	TOILET / EWC RECEPTACLE		0.6			20/1	-	20/1			0.4	TELEPHONE RECEPTACLE	8		
9	BREAK ROOM RECEPTACLE		0.4			20/1	-	20/1			0.8	WORK ROOM RECEPTACLE	10		
11	BREAK ROOM RECEPTACLE		0.4			20/1	-	20/1			0.4	BREAK ROOM RECEPTACLE	12		
13	RECEPTACLE		0.6			20/1	-	20/1			0.8	WORK ROOM RECEPTACLE	14		
15	SWING ROOM 1 RECEPTACLE		0.6			20/1	-	20/1			0.6	SWING ROOM 2 RECEPTACLE	16		
17	SWING ROOM 3 RECEPTACLE		0.6			20/1	-	G 20/1	1.0			REFRIGERATOR RECEPTACLE	18		
19	RECEPTACLE		0.4			20/1	-	20/1			0.2	CONSULTATION RECEPTACLE	20		
21	PUTTING GREEN RECEPTACLE		0.4			20/1	-	30/1			0.2	PUTTING GREEN RECEPTACLE	22		
23	RECEPTION RECEPTACLE		0.4			20/1	-	20/1			0.4	RECEPTACLE	24		
25	CEILING RECEPTACLE		0.6			20/1	C	20/1	1.5			WATER HEATER	26		
27	ROOF TOP RECEPTACLE		0.4			20/1	-	20/1			0.2	CONSULTATION RECEPTACLE	28		
29	CONSULTATION RECEPTACLE		0.2			20/1	-	LC 20/1				SIGN	30		
31	DUCT DETECTOR				0.1	20/1	-	-						32	
33	RECEPTACLE		0.4			20/1	-	60/3		12.3		PANEL 'B'	34		
35	TIME CLOCK				0.2	20/1	-	-						36	
37					2.3		-	-			2.3			38	
39	RTU-1 (EXISTING)				2.3		-	30/3			2.3		RTU-2 (EXISTING)	40	
41					2.3		-	-			2.3			42	
TOTALS		0.7	6.0	6.9	0.3					14.8	6.9	4.4	2.3	TOTALS	
LOAD		CONNECTED				DEMAND									
LIGHTING		3.0				3.8									
RECEPTACLE		10.4				10.4									
HVAC		13.8				15.5									
MISC		15.1				15.1									

CKT.	DESCRIPTION	KVA CONNECTED				C/B	REMARKS	C/B	KVA CONNECTED				DESCRIPTION	CKT	
		LTG.	REC.	HVAC	MISC.				MISC.	HVAC	REC.	LTG.			
1	WH-A (MENS)				2.1	25/2		25/2					SPARE	2	
3					2.1									4	
5	WH-A (WOMENS)				2.1	25/2		25/2					SPARE	6	
7					2.1									8	
9	WH-B				2.1	25/2		20/1					SPARE	10	
11					2.1			20/1					SPARE	12	
13	SPARE					20/1		20/1					SPARE	14	
15	SPARE					20/1		20/1					SPARE	16	
17	SPARE					20/1		20/1					SPARE	18	
19	SPARE					20/1		20/1					SPARE	20	
21	SPARE					20/1		20/1					SPARE	22	
23	SPARE					20/1		20/1					SPARE	24	
TOTALS		0.00	0.00	0.00	12.6					0.00	0.00	0.00	0.00	TOTALS	
LOAD		CONNECTED				DEMAND									
LIGHTING		-				-									
RECEPTACLE		-				-									
HVAC		-				-									
MISC		12.6				12.6									



**KLS ARCHITECT**  
 Kurt L. Schminz, Architect  
 17710 Detroit Avenue, Lakewood, Ohio 44107  
 Phone (216) 521-5134 • Fax (216) 521-4824 • www.klsarchitects.com

**CLUB CHAMPION GOLF**  
 6629 MINERAL POINT RD.  
 MADISON, WI 53705

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**DO NOT SCALE THESE DRAWINGS**

#	DATE	TYPE
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**ONE LINE DIAGRAM & DETAILS**

DATE: 06/01/21  
 JOB NO.: 21140

**E3.0**  
 SHEET NO.