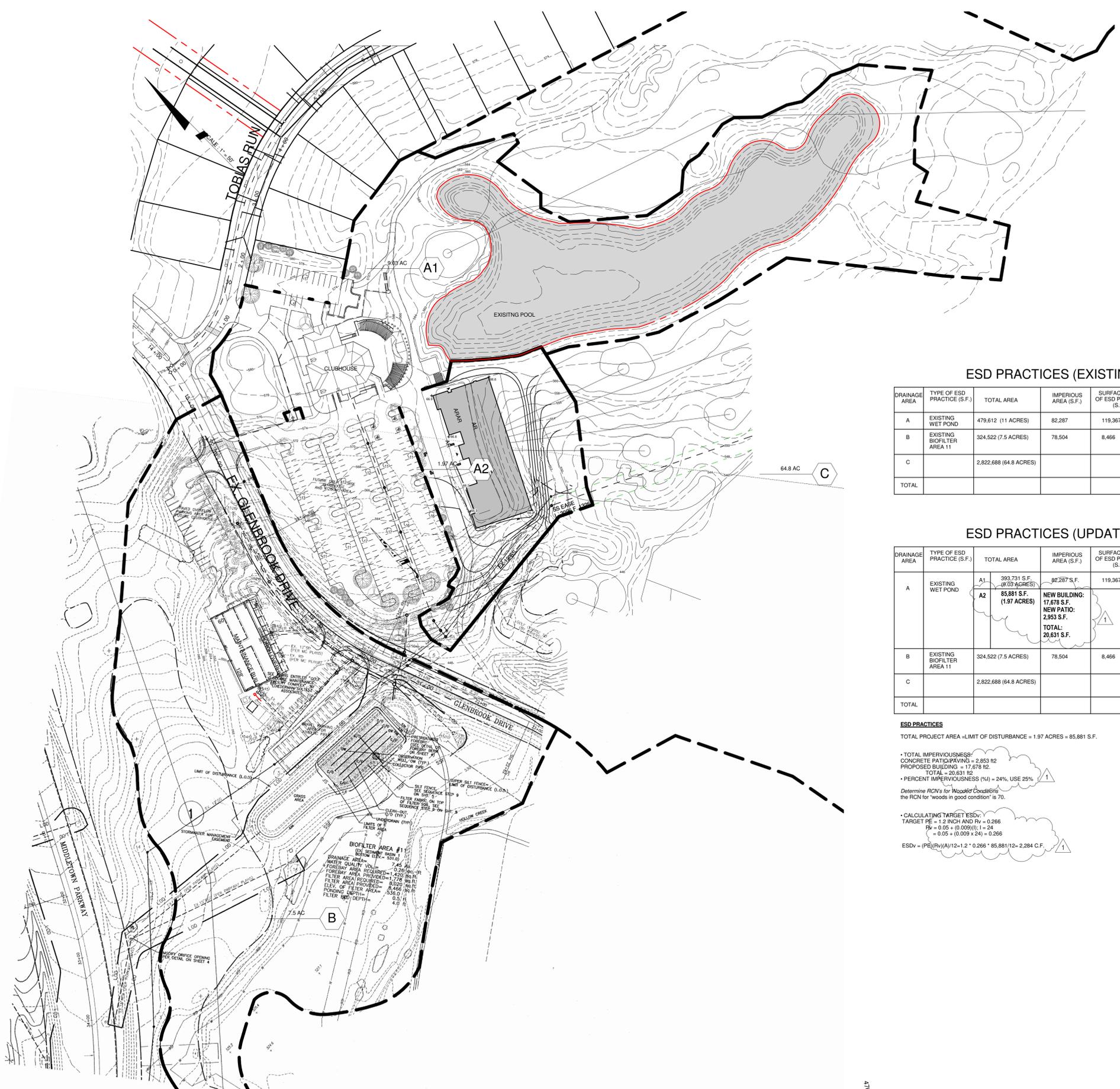


NO.	DATE	ISSUE
1	11/06/2017	BUILDING PLAN REVISION



ESD PRACTICES (EXISTING)

DRAINAGE AREA	TYPE OF ESD PRACTICE (S.F.)	TOTAL AREA	IMPERVIOUS AREA (S.F.)	SURFACE AREA OF ESD PRACTICE (S.F.)	TARGET PE (IN)	ACTUAL PE (IN)	TARGET ESDv (C.F.)	ACTUAL ESDv (C.F.)	COMMENTS
A	EXISTING WET POND	479,612 (11 ACRES)	82,287	119,367	1.2		10,168		IRRIGATION POND WITH 119,367 S.F. AREA
B	EXISTING BIOFILTER AREA 11	324,522 (7.5 ACRES)	78,504	8,466	1.2		6,880	17,778	
C		2,822,688 (64.8 ACRES)							EXISTING GOLF COURSE AT SOUTH SIDE OF SITE
TOTAL							17,048	17,778 & IRRIGATION POND	

ESD PRACTICES (UPDATED)

DRAINAGE AREA	TYPE OF ESD PRACTICE (S.F.)	TOTAL AREA	IMPERVIOUS AREA (S.F.)	SURFACE AREA OF ESD PRACTICE (S.F.)	TARGET PE (IN)	ACTUAL PE (IN)	TARGET ESDv (C.F.)	ACTUAL ESDv (C.F.)	COMMENTS
A	EXISTING WET POND	A1: 392,721 S.F. (9.03 ACRES) A2: 85,881 S.F. (1.97 ACRES)	82,287 S.F.	119,367 S.F.	1.2		3,347		IRRIGATION POND WITH 119,367 S.F. AREA
			NEW BUILDING: 17,678 S.F. NEW PATIO: 2,953 S.F. TOTAL: 20,631 S.F.		1.2		2,284		
B	EXISTING BIOFILTER AREA 11	324,522 (7.5 ACRES)	78,504	8,466	1.2		6,880	17,778	
C		2,822,688 (64.8 ACRES)							EXISTING GOLF COURSE AT SOUTH SIDE OF SITE
TOTAL							17,511	17,778 & IRRIGATION POND	

ESD PRACTICES
TOTAL PROJECT AREA = LIMIT OF DISTURBANCE = 1.97 ACRES = 85,881 S.F.

• TOTAL IMPERVIOUSNESS:
CONCRETE PATIO/PAVING = 2,853 sq ft
PROPOSED BUILDING = 17,678 sq ft
TOTAL = 20,631 sq ft
• PERCENT IMPERVIOUSNESS (%I) = 24%, USE 25%

Determine RCN's for Wooded Conditions
the RCN for "woods in good condition" is 70.

• CALCULATING TARGET ESDv:
TARGET PE = 1.2 INCH AND Rv = 0.266
Rv = 0.05 + (0.009)(1) = 24
= 0.05 + (0.009 * 24) = 0.266

ESDv = (PE)(Rv)(A)/12 = 1.2 * 0.266 * 85,881/12 = 2,284 C.F.

PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM ONLY DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17091 EXPIRATION DATE: 09/27/2018.

STUDIO SKG

9814 BRIGHTLEA DRIVE
VIENNA, VA 22181

PROJECT TITLE:
RICHLAND GOLF CLUB DRIVING RANGE

50 Glenbrook Drive, Middletown, MD21769

PROJECT No: 2015-006.00

DRAWING TITLE:
STORMWATER MANAGEMENT DRAINAGE PLAN

SCALE: As indicated

G-03

PERMIT SET

06/04/2016

TOWN OF MIDDLETOWN, MARYLAND
APPROVED
FOR CONSTRUCTION
DATE _____ APPROVING AUTHORITY _____

FREDERICK COUNTY DIVISION OF PUBLIC WORKS
(APPROVAL FOR SWM ONLY)

APPROVED: PUBLIC WORKS DIRECTOR _____ DATE _____

APPROVED: DEVELOPMENT REVIEW CHIEF _____ DATE _____

APPROVED: STORMWATER MANAGEMENT _____ DATE _____

APPROVAL IS VALID FOR TWO (2) YEARS (ONE (1) YEAR IF PUBLIC WATER OR SEWER IS INVOLVED) AFTER LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE SAID DATE. TO BE CONSIDERED ACTIVE OTHERWISE, RESUBMITTAL OF PLANS MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. REVIEW FEES NECESSARY FOR REAPPROVAL SHALL ACCOMPANY RESUBMITTAL. FEES CANNOT BE WAIVED.

REV#	DATE	REVISION DESCRIPTION	ENGINEER/CONSULTANT: DATE & INITIAL	DEV. REVIEW DATE & INITIAL

H:\Jianjun\Jun Sun Architect Studio\2015-006 - Richland Range\2015-006-RRH-PM\mei Gao\2015-006_RRH_Site Central.rvt
1
G-03
1" = 80'-0"

ROOM SCHEDULE_CLUB	
Room Name	Area

Level 1

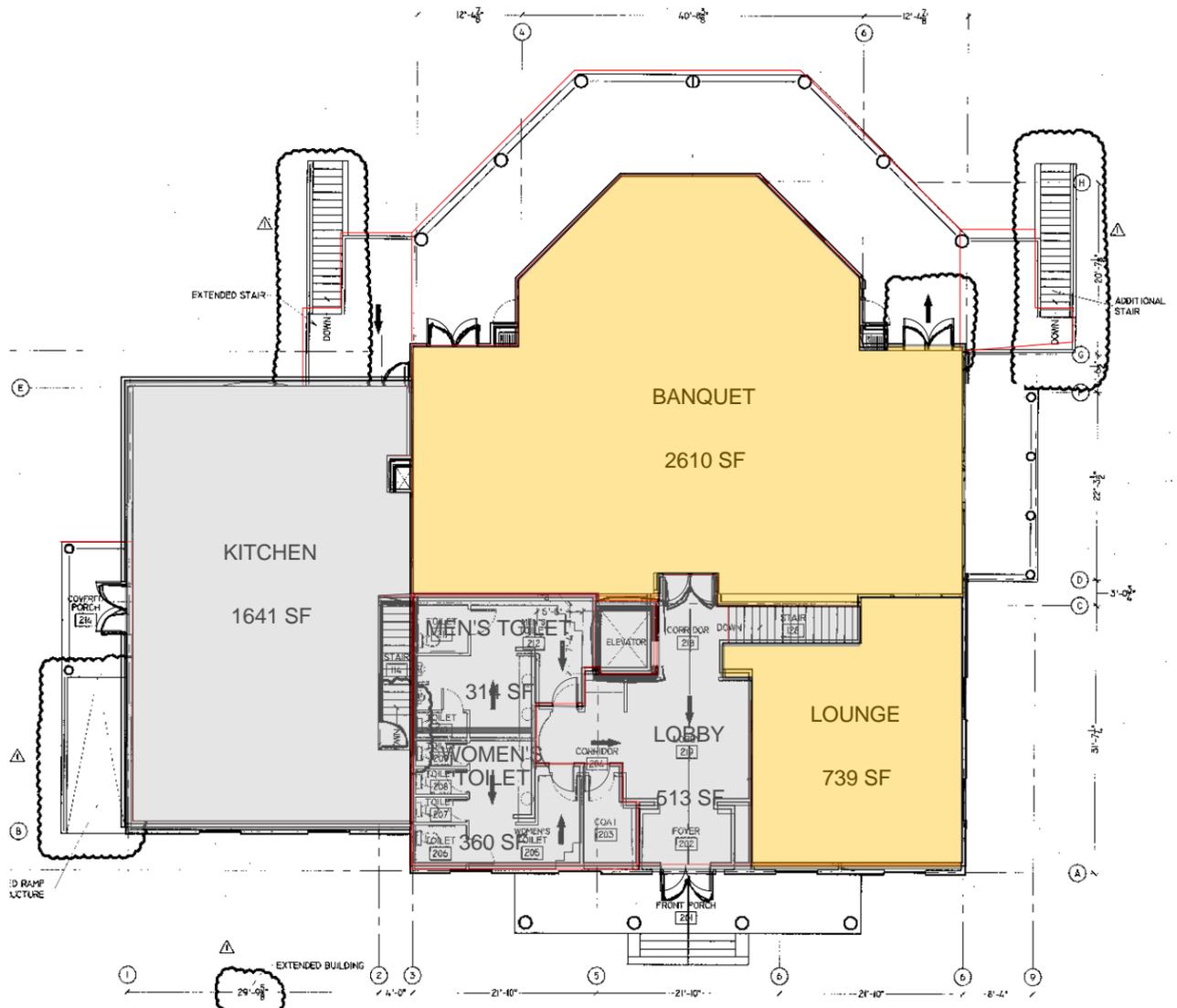
PRO SHOP	984 SF
BAR	1655 SF
MECHANICAL	522 SF
MAN'S TOILET	303 SF
OFFICE/STORAGE	380 SF
FIRE PUMP	141 SF
WOMEN'S TOILET	871 SF
KITCHEN	530 SF
CORRIDOR	538 SF
: 9	5925 SF

Level 2

BANQUET	2610 SF
LOUNGE	739 SF
LOBBY	513 SF
WOMEN'S TOILET	360 SF
MEN'S TOILET	314 SF
KITCHEN	1641 SF
: 6	6179 SF

Grand total: 15

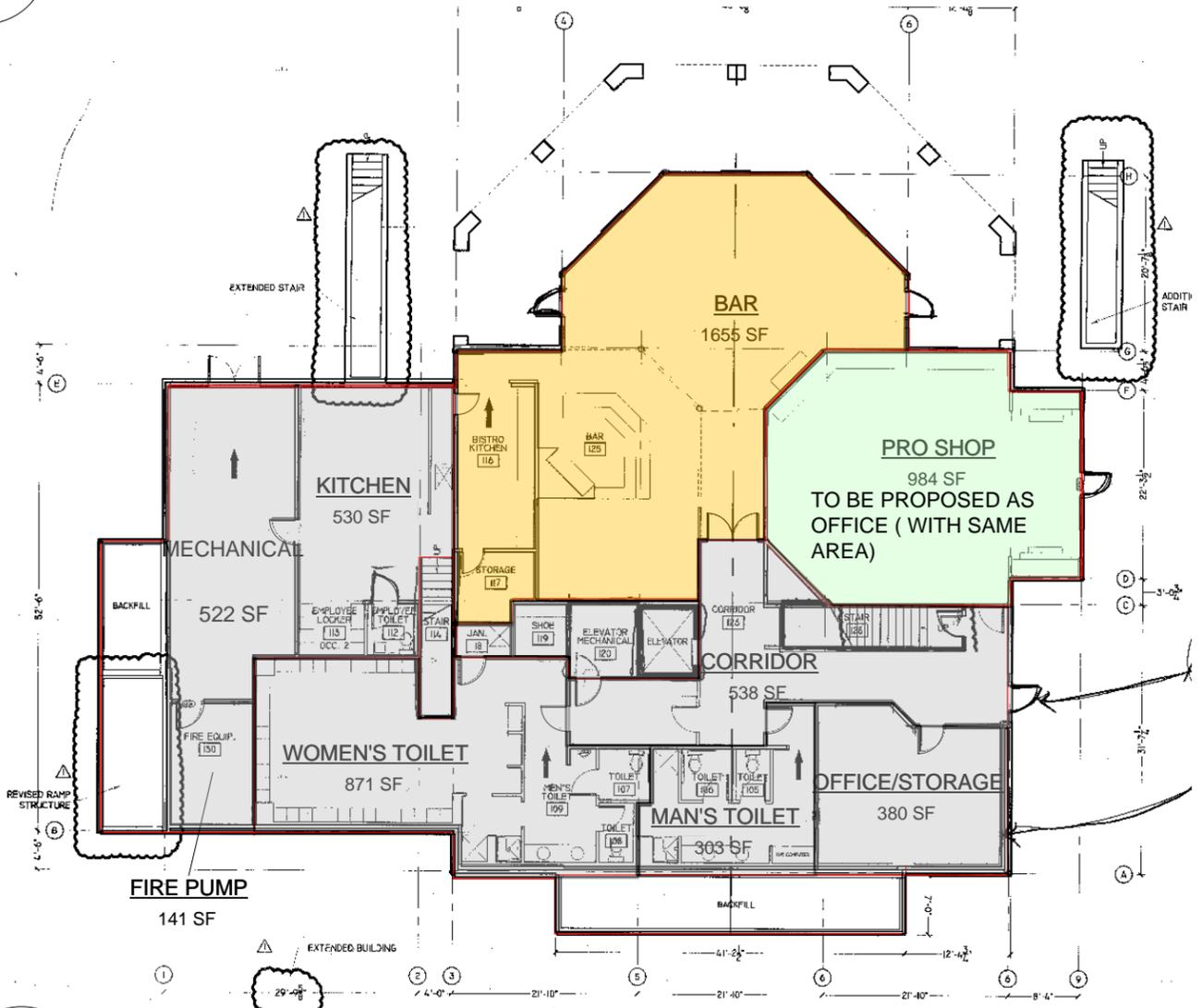
12104 SF



2
G-05

CLUBHOUSE UPPER LEVEL FLOOR

1" = 20'-0"



1
G-05

CLUBHOUSE LOWER LEVEL FLOOR

1" = 20'-0"

ROOM SCHEDULE_MAINT	
Room Name	Area

Level 1

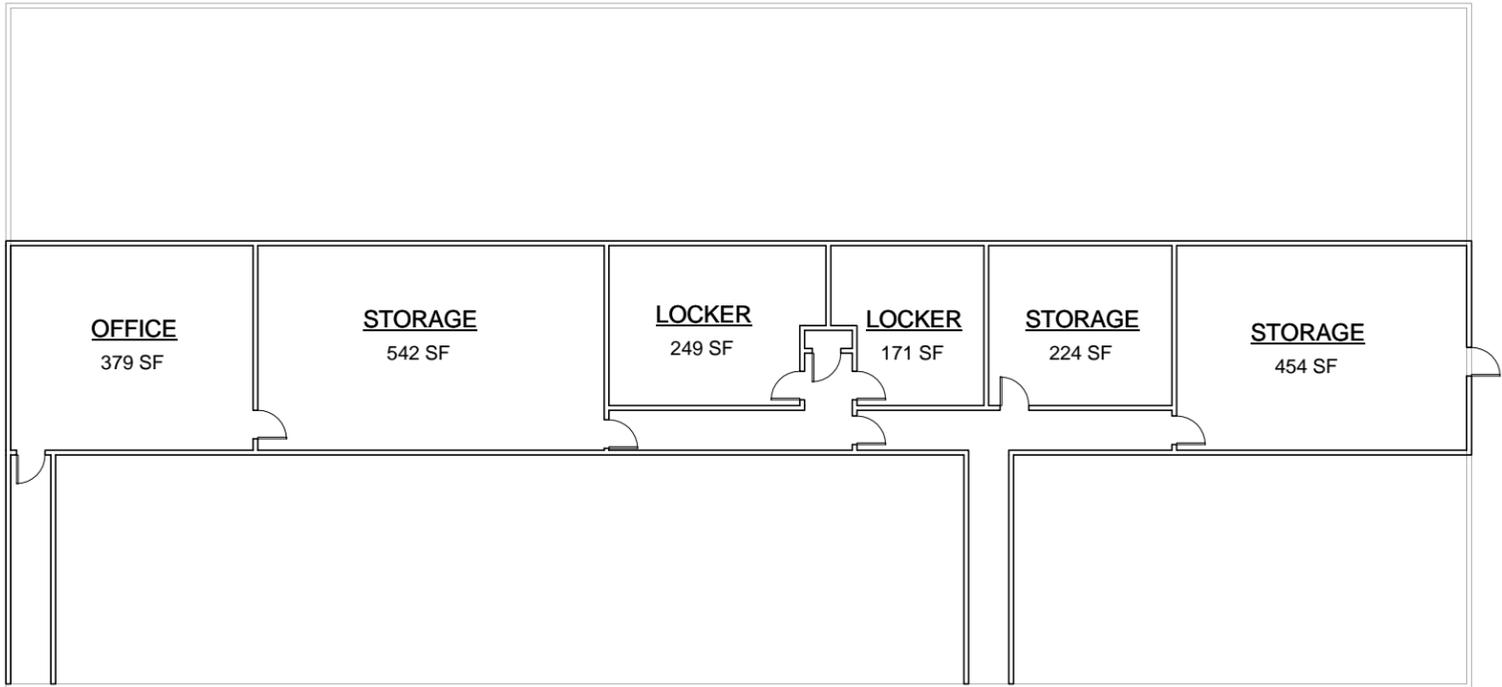
GARAGE	7524 SF
: 1	7524 SF

Level 2

STORAGE	454 SF
STORAGE	224 SF
LOCKER	171 SF
LOCKER	249 SF
STORAGE	542 SF
OFFICE	379 SF

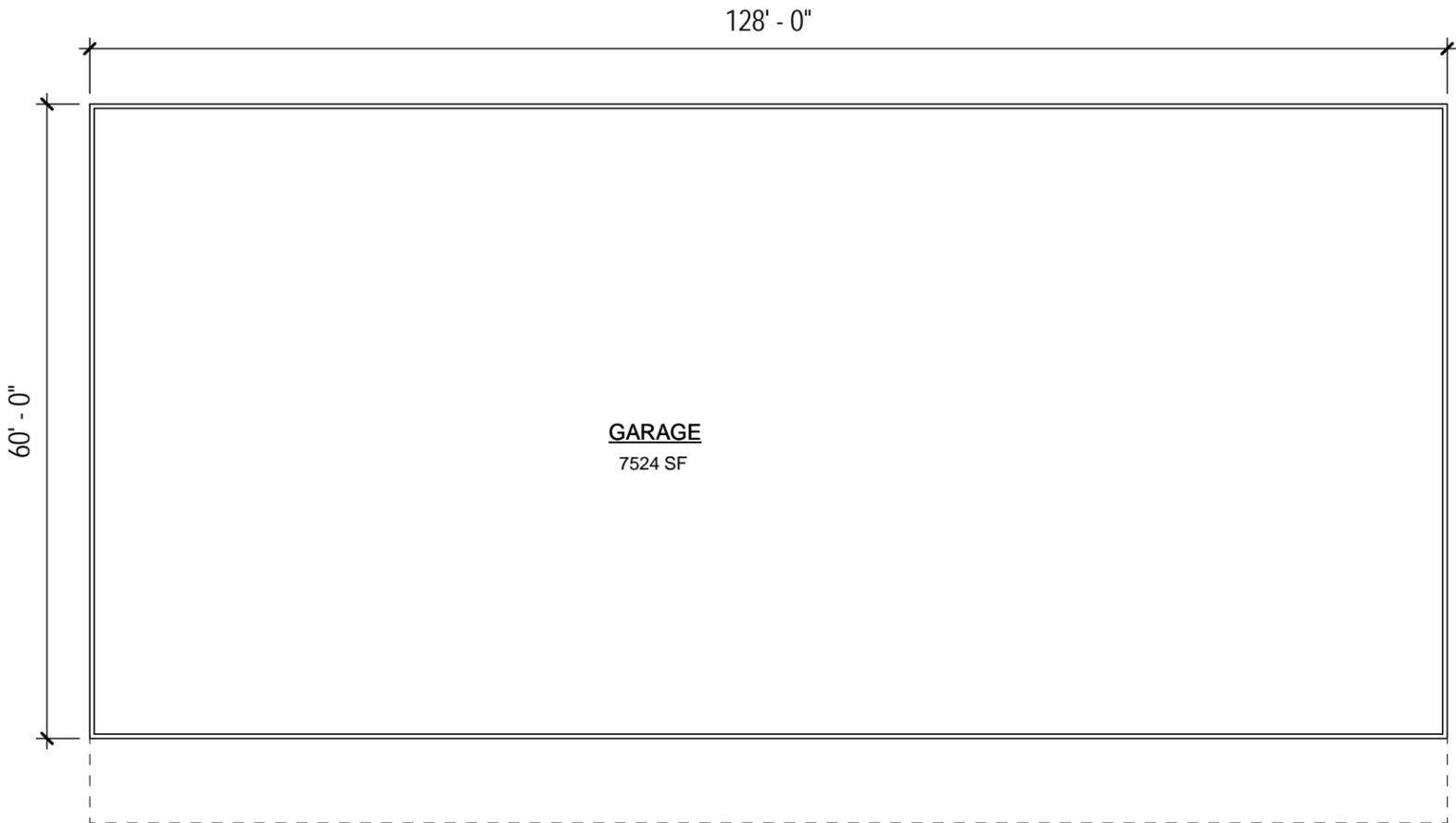
: 6 2020 SF

Grand total: 7 9544 SF



MAINTENANCE BUILDING MEZZANINE PLAN

② 1/16" = 1'-0"



MAINTENANCE BUILDING 1ST FLOOR PLAN

① 1/16" = 1'-0"

The Entablature® LED

Small Luminaire



FEATURES

- LED models incorporating patent pending LED MicroEmitter® technology
- SET Entablature scaled for lower mounting heights of 10' to 16'
- Dark-Sky compliant, full-cutoff optics with flat glass lens
- Sealed optical chamber, IP-66 rated

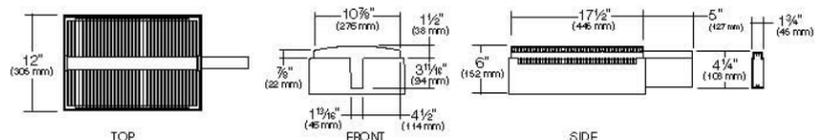
Features exclusive with HUBB technology

- Wireless system for 0-10VDC full range dimming control
- Programmable autonomous operation

ORDERING INFORMATION (Example)

1SA	SET3	60L5K120	DB	A-30/LS	—	A5/LG	PSA14-4188SA/DB
MOUNTING		FIXTURE FINISH		FIXTURE OPTIONS		SLIPFITTER MOUNTING OPTIONS	
1SA	1 Arm Side Mt. 1.0	BL	Black	A-30	120 Volt photocell	VERTICAL	
2SB	2 Arm Side Mt. 2.0	DB	Dark Bronze	A-31	208 Volt photocell	4" Round, Standard Fixtures	
2SL	2 Arm Side Mt. 1.5	LG	Light Gray	A-32	240 Volt photocell	VSF-1SA	1 fixture side mt.
3ST	3 Arm Side Mt. 2.4	SG	Stealth Gray	A-33	277 Volt photocell	VSF-2SB	2 fixtures side mt. 180°
3SY	3 Arm Side Mt. 2.4	PS	Platinum Silver	A-34	480 Volt photocell	VSF-2SL	2 fixtures side mt. 90°
4SC	4 Arm Side Mt. 2.7	WH	White	A-35	347 Volt Photocell	VSF-3ST	3 fixtures side mt. 90°
1SW	Single Wall Mt. --	CC	Custom Color*	1SW	Wall Mounting ³	VSF-3SY	3 fixtures side mt. 120°
NOTE: EPA is for Fixture only		*Consult representative		CGL	Convex Glass Lens	VSF-4SC	4 fixtures side mt. 90°
FIXTURE		ELECTRICAL MODULE		LS	Polycarbonate Lens ⁴	HORIZONTAL	
SET1	Type I Full Cutoff	Source	Color Temperature ¹			4" Square, Standard Fixtures	
SET2	Type II Full Cutoff	60	60 LEDs, 73W	L3K	3500K	SVSF-1SA	1 fixture side mt.
SET3	Type III Full Cutoff			L5K	5100K	SVSF-2SB	2 fixtures side mt. 180°
SET4	Type IV Full Cutoff			L2K	Amber	SVSF-2SL	2 fixtures side mt. 90°
SET5	Type V Full Cutoff					SVSF-3ST	3 fixtures side mt. 90°
SET5	Type V Full Cutoff					SVSF-3SY	3 fixtures side mt. 120°
SETL	Type L Left Full Cutoff					SVSF-4SC	4 fixtures side mt. 90°
SETR	Type R Right Full Cutoff					HORIZONTAL	
						HSF For Pole Davit Arm	

¹ 4300K and 6500K are also available on an "Engineered to Order" basis.
² Due to current unavailability of 347V and 480V drivers, specification of these voltages may feature an integral step-down transformer.
³ Junction box in wall must provide adequate fixture support.
⁴ CAUTION: Use only when vandalism is anticipated to be high. Useful life of lens is limited by UV discoloration from sunlight.



GENERAL LIGHTING NOTE:
 MOUNTING HEIGHT: 10'
 RECOMMENDED ILLUMINATION LEVEL: 1,000 - 2,000 LUMENS, OR 0.2 fc(AVERAGE) & 5 fc (MAX.) MEASURED ON GROUND
 QUANTITY: 8 UNITS

