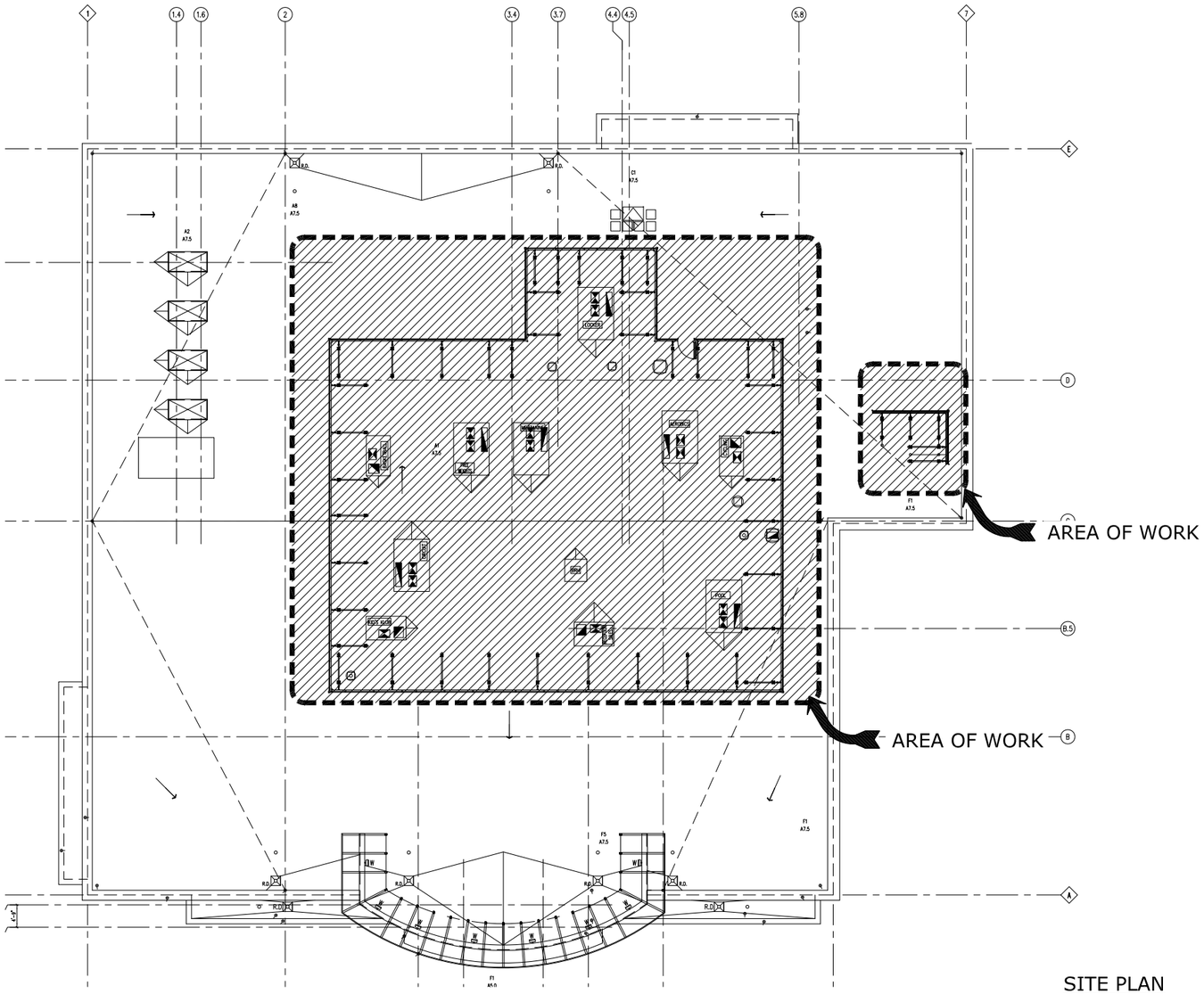
ROOFSCREEN CONSTRUCTION DOCUMENTS:

FITNESS GYM

CONSTRUCTION DOCUMENT DATED: 03/19/15
LOCATION: ALEXANDRIA, VA 22315



SITE PLAN
SCALE: NTS

NORTH

CODE ANALYSIS

ALL WORK SHALL COMPLY WITH THE 2012 INTERNAIONAL BUILDING CODE (IBC)

OCCUPANCY CATEGORY	(ASCE 7, TABLE 1.5-1)	II
WIND DESIGN CRITERIA:		
BASIC WIND SPEED	(ASCE FIG.26.5-1A)	115 MPH
WIND EXPOSURE	(ASCE 26.7.3)	C
C&C WIND PRESSURE	(ASCE 7 FIG.30.5-1)	26.0 PSF (ASD)
SEISMIC DESIGN CRITERIA:		
IMPORTANCE FACTOR	(ASCE 7, TABLE1.5-2)	1.00
SITE CLASS	(ASCE 11.4.2)	D
Ss	(ASCE 7, FIG 22-1)	0.119
S1	(ASCE 7, FIG 22-2)	0.051
SDS	(ASCE 7, 11.4.4)	0.127
SD1	(ASCE 7, 11.4.4)	0.082
SEISMIC DESIGN CATEGORY	(ASCE 7, TABLE 11.6-1, 11.6-2)	B
SEISMIC DESIGN FORCE (Fp)	(ASCE 7, 13.3.1)	0.04W PSF (ASD)
COMPONENT AMPLIFICATION FACTOR , ap	(ASCE 7, TABLE 13.5-1)	1.00
RESPONSE MODIFICATION FACTOR, R	(ASCE 7, TABLE 13.5-1)	2.50

MATERIAL SPECIFICATIONS

STRUCTURAL STEEL & MISCELLANEOUS IRON:

TUBING:	GALVANIZED 16 GA ASTM A500 GRADE B, MIN Fy = 40 KSI GALVANIZED 11 GA ASTM A500 GRADE C, MIN Fy = 50 KSI
PROPRIETARY PARTS	ZINC PLATED & POLYESTER POLYURETHANE POWDER COATED ASTM A1008-CS TYPE A, Fy = 34 KSI BASE SUPPORT BASE PLATE, A36, Fy = 36 KSI
STAINLESS STEEL BOLTS	AISI 18-8
WELDING ELECTRODES	E70XX
SELF DRILLING SELF TAPPING SCREWS	ITW BUILDEX W/ CLIMASEAL (ESR 1976) OR APPROVED EQUAL

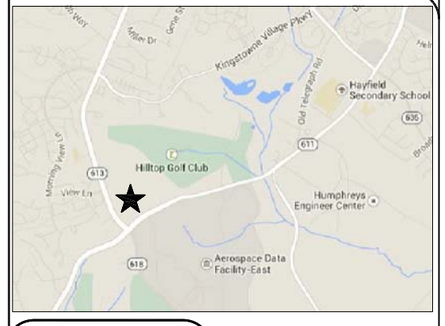
SCOPE OF WORK

NEW ROOFSCREEN

NOTE: EVALUATION OF EXISTING ROOF SHEATHING, ROOF FRAMING, AND BUILDING FOR NEW MECHANICAL EQUIPMENT AND SCREEN LOADS SHALL BE PROVIDED BY OTHERS. LOAD REACTIONS AT BASE SUPPORTS ARE LISTED ON FRAME SPECIFICATIONS.

AREA MAP

VICINITY MAP



SHEET INDEX

SHEET	CONTENTS
RS-0	CODE ANALYSIS, SITE PLAN, SHEET INDEX, AREA MAP, VICINITY MAP, SCOPE OF WORK
RS-1	ROOFSCREEN FRAME PLAN
RS-2	ROOFSCREEN PANEL PLAN
RS-3	ROOFSCREEN FRAME DETAILS & SPECIFICATIONS
RS-4	ROOFSCREEN FRAME DETAILS
RS-5	ROOFSCREEN PART/ASSEMBLY DETAILS

REV.	DESCRIPTION	BY	DATE
1	CONSTRUCTION DOCUMENTS	GP	02/23/15
2	LAYOUT REVISION	JM	03/11/15
3			
4			
5			

3/25/15

FITNESS GYM
ALEXANDRIA, VA 22315

RoofScreen
ROOFSCREEN MFG., INC.
347 CORAL STREET
SANTA CRUZ, CA 95060

ROOFSCREEN COVER SHEET

DRAWN BY:	MC
CHECKED BY:	GP
JOB NUMBER:	2411

SHEET
RS-0