

# OAK BROOK PARK DISTRICT FAMILY LOCKER ROOM RENOVATION

1450 FOREST GATE RD,  
OAKBROOK, IL 60523

5/30/2017

## BID PACKAGE 1 - RTU PROCUREMENT

OAK BROOK PARK DISTRICT



Wight & Company  
wightco.com  
2500 North Frontage Road  
Darien, IL 60561  
P 630.969.7000  
F 630.969.7979

### PROJECT TEAM

#### CLIENT

OAK BROOK PARK DISTRICT  
1450 FOREST GATE RD  
OAKBROOK, IL 60523  
PHONE:  
FAX:  
CONTACT:

#### ARCHITECT:

WIGHT & COMPANY  
2500 NORTH FRONTAGE ROAD  
DARIEN IL 60561  
PHONE: (630)969-7000  
FAX: (630)969-7979  
CONTACT:  
Design Firm Registration #184-000451

#### MECHANICAL ENGINEER:

WIGHT & COMPANY  
2500 NORTH FRONTAGE ROAD  
DARIEN IL 60561  
PHONE: (630)969-7000  
FAX: (630)969-7979  
CONTACT:  
Design Firm Registration #  
184-000451

#### PLUMBING ENGINEER:

WIGHT & COMPANY  
2500 NORTH FRONTAGE ROAD  
DARIEN IL 60561  
PHONE: (630)969-7000  
FAX: (630)969-7979  
CONTACT:  
Design Firm Registration #  
184-000451

#### ELECTRICAL ENGINEER:

WIGHT & COMPANY  
2500 NORTH FRONTAGE ROAD  
DARIEN IL 60561  
PHONE: (630)969-7000  
FAX: (630)969-7979  
CONTACT:  
Design Firm Registration #  
184-000451

### INDEX OF DRAWINGS

#### GENERAL

G0.0 COVER SHEET, INDEX, TEAM, LOCATION MAP

#### MECHANICAL

M5.1 SCHEDULES

### BUILDING CODE DATA

#### 1. APPLICABLE CODES

BUILDING CODE: INTERNATIONAL BUILDING CODE: 2015  
MECHANICAL CODE: INTERNATIONAL MECHANICAL CODE: 2015  
ELECTRICAL CODE: NATIONAL ELECTRIC CODE (NEC): 2014  
PLUMBING CODE: ILLINOIS PLUMBING CODE 77  
ACCESSIBILITY CODE: AMERICANS WITH DISABILITIES ACT (ADA)  
ENERGY CODE: INTERNATIONAL ENERGY CONSERVATION CODE, 2015

#### 2. GENERAL BUILDING DESCRIPTION

GROSS BUILDING AREA,  
EXISTING:  
GROSS BUILDING AREA, TOTAL  
(NEW & EXISTING):

#### 3. BUILDING OCCUPANCY TYPE SECTION 302

OCCUPANCY  
CLASSIFICATION:

#### 4. CONSTRUCTION TYPE SECTION 503, 602

CONSTRUCTION TYPE:  
FIRE RESISTANCE RATING REQUIREMENTS TABLE 601  
STRUCTURAL FRAME: 0 HR  
BEARING WALLS (EXTERIOR) (ALSO SEE TABLE 602): 0 HR  
BEARING WALLS (INTERIOR): 0 HR  
NON-BEARING WALLS (EXTERIOR): SEE TABLE 602  
NON-BEARING WALLS (INTERIOR): 0 HR  
FLOOR CONSTRUCTION: 0 HR  
ROOF CONSTRUCTION: 0 HR  
EXTERIOR WALL FIRE SEPARATION DISTANCE TABLE 602  
LESS THAN 5' 1 HR  
LESS THAN OR EQUAL TO 5' TO LESS THAN 10' 1 HR  
LESS THAN OR EQUAL TO 10' TO LESS THAN 30' 0 HR  
GREATER THAN OR EQUAL TO 30' 0 HR

#### 5. ALLOWABLE HEIGHT AND AREA LIMITATIONS SECTION 503

BASE ALLOWABLE AREA:  
BASE ALLOWABLE HEIGHT (FEET):  
BASE ALLOWABLE HEIGHT (STORIES):

#### HEIGHT MODIFICATIONS SECTION 504

AUTOMATIC SPRINKLER SYSTEM INCREASE (FEET):  
AUTOMATIC SPRINKLER SYSTEM INCREASE (STORIES):

#### AREA MODIFICATIONS SECTION 506

FRONTAGE INCREASE  
FORMULA:  $If = 100 \times [F/P - 0.25] \times W/30$   
BUILDING PERIMETER (P):  
BUILDING FRONTAGE (F):  
FRONTAGE WIDTH (W):

TOTAL FRONTAGE INCREASE (If):

AUTOMATIC SPRINKLER SYSTEM INCREASE:

#### TOTAL ALLOWABLE BUILDING AREA

FORMULA:  $Aa = At + [(At \times If)/100] + [(At \times Is)/100]$

TOTAL ALLOWABLE AREA:

TOTAL ACTUAL AREA:

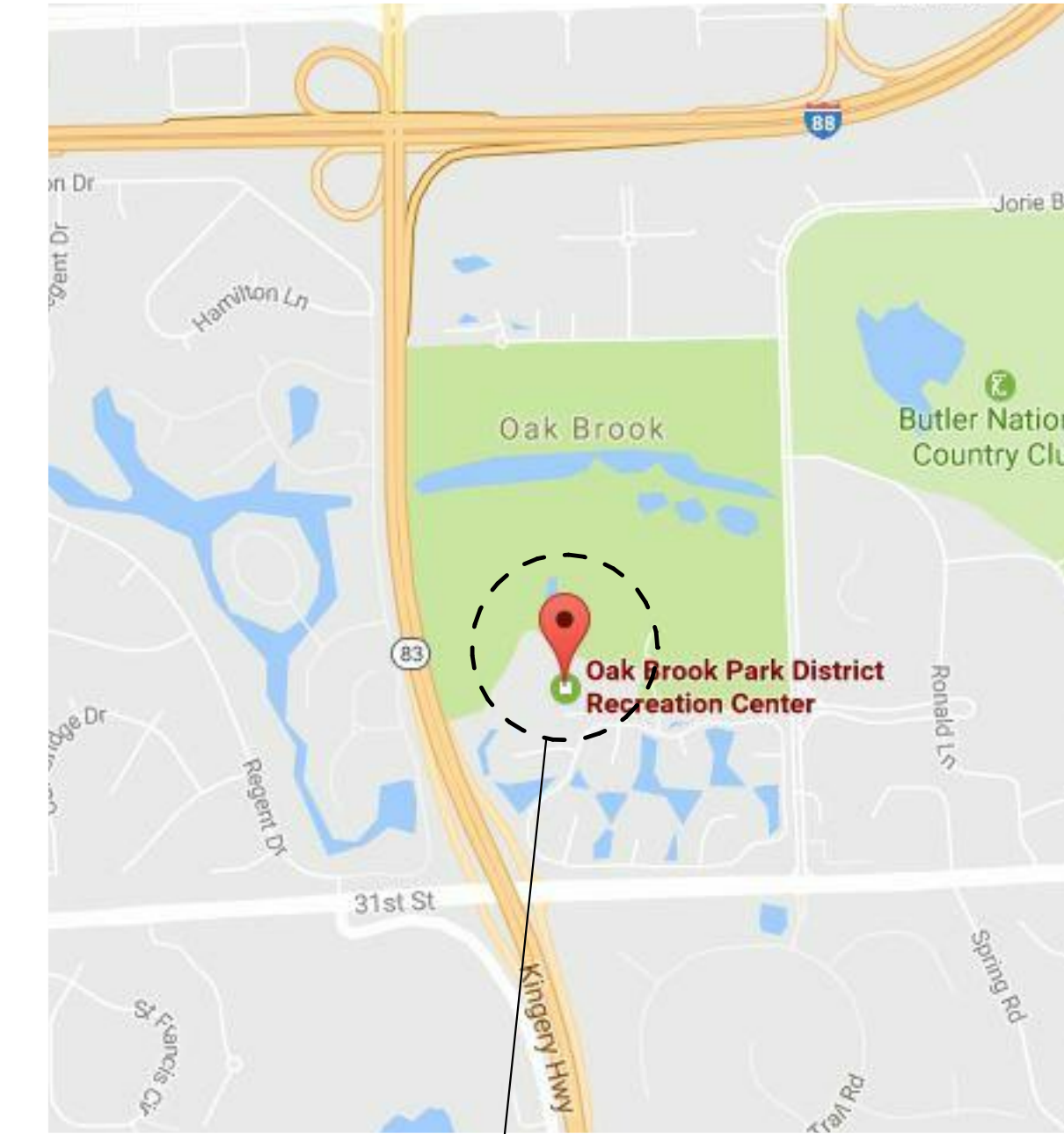
TOTAL ALLOWABLE HEIGHT:

TOTAL ACTUAL HEIGHT:

TOTAL ALLOWABLE STORIES:

TOTAL ACTUAL STORIES:

### LOCATION MAP



1450 FOREST GATE RD,  
OAKBROOK, IL 60523

FOR UNDERGROUND UTILITY LOCATIONS,  
CALL J.U.L.I.E.  
TOLL FREE TEL. 1-800-892-0123

JULIE SUBURBS & DIGG CHICAGO

- YELLOW \_\_\_\_\_ GAS
- RED \_\_\_\_\_ ELECTRICAL
- ORANGE \_\_\_\_\_ PHONE / TV COMMUNICATION
- BLUE \_\_\_\_\_ WATER
- GREEN \_\_\_\_\_ SEWERS
- WHITE \_\_\_\_\_ SAFE TO DIG

### STATEMENT OF COMPLIANCE

I HAVE PREPARED OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH THE ENVIRONMENTAL BARRIERS ACT (IL REV. STAT. 1985, CH. 111 1/2, PARS. 3711 ET SEQ AS AMENDED) AND THE ILLINOIS ACCESSIBILITY CODE, 71 IL ADM. CODE 400.

SIGNED: \_\_\_\_\_  
ARCHITECT/ENGINEER

ILLINOIS REGISTRATION NO.: \_\_\_\_\_

DATE: \_\_\_\_\_

**NOT FOR  
CONSTRUCTION**

REV DESCRIPTION DATE

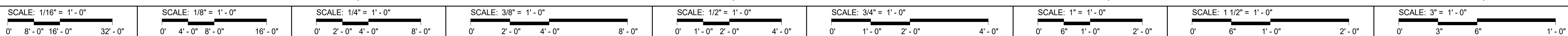
**FAMILY LOCKER  
ROOM RENOVATION**

1450 FOREST GATE RD,  
OAKBROOK, IL 60523

**COVER SHEET, INDEX,  
TEAM, LOCATION MAP**

Project Number:  
02-5646-01  
Drawn By:  
Author  
Sheet:

**GO.0**



C:\Users\calabina\Documents\02-5646-01\_Oak Brook Fam Locker Rooms\_ARCH\_2017\_Central\_calabina@wightco.com.rvt  
Wight & Co. © Copyright 2016 All rights reserved. No part of these documents may be reproduced, stored, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written consent of Wight & Co.

ROOFTOP UNIT SCHEDULE																																									
EQUIPMENT TAG	LOCATION	AREA SERVED	MANUFACTURER	MODEL	TYPE OF SYSTEM	TYPE OF UNIT	EER	PHYSICAL CHARACTERISTICS			SUPPLY FAN DATA				POWER EXHAUST FAN		GAS HEATING SECTION				COOLING SECTION				FILTERS			ELECTRICAL DATA			NOTES										
								DIMENSIONS (IN.)			WEIGHT (LBS.)	CFM	MIN. OA	ESP (IN.)	TYPE	DRIVE SPEEDS	MOTOR FRPM	MOTOR HP	TYPE	MOTOR QTN.	MOTOR HP	INPUT CAPACITY (MBH)	OUTPUT CAPACITY (MBH)	STAGES	EAT (°F)	LAT (°F)	COMPRESSORS	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	OAT (DB°F)		EAT (DB°F)	EAT (WB°F)	QUANTITY	PRE-FILTER	QUANTITY	FINAL-FILTER	MINIMUM CIRCUIT AMPS	MOCP	PHASE	VOLTS
								L	W	H																															
RTU 1	ROOF	LOCKER ROOM	TRANE	YZC-210	SINGLE ZONE VAV	PACKAGED ROOFTOP	12.2	122	85	67	2,636	7,000	2,000	1.5	F.C.	DIRECT MOD.	902	7.5	PROP.	1	34	350.0	280.0	MODULATING	50.0	82.5	3	202.4	178.1	95.0	80.0	65.0	-	2" MERV 8	-	4" MERV 13	40.0	50.0	3	460	1-15
RTU 2	ROOF	GYM	TRANE	YZC-180	SINGLE ZONE VAV	PACKAGED ROOFTOP	12.5	122	85	67	2,556	5,800	600	1.5	F.C.	DIRECT MOD.	848	5.0	PROP.	1	34	350.0	280.0	MODULATING	50.0	94.5	3	175.8	151.6	95.0	80.0	65.0	-	2" MERV 8	-	4" MERV 13	40.0	45.0	3	460	1-15

- NOTES:
- |   |  |   |  |
|---|--|---|--|
| 1. OTHER ACCEPTABLE MANUFACTURERS. SEE SPECIFICATIONS | 5. 0-100% LOW LEAK ECONOMIZER WITH DIFFERENTIAL ENTHALPY CONTROL | 9. TOOL LESS CONDENSER COIL HAIL GUARD  | 14. PROVIDE ADAPTER ROOF CURB AS NEEDED (MIN. RTU HEIGHT ABOVE ROOF INSULATION SHALL BE 18") |
| 2. VERTICAL DISCHARGE & RETURN                        | 6. POWER EXHAUST   | 10. HINGED ACCESS DOORS                 | 15. DISCHARGE AIR TEMPERATURE SENSOR KIT   |
| 3. SINGLE POINT POWER CONNECTION                      | 7. HIGH MODULATING GAS HEAT                                      | 11. BACNET MSTP CARD FOR BAS INTERFACE  |  |
| 4. SINGLE ZONE VAV                                    | 8. DISCONNECT SWITCH WITH CONVENIENCE OUTLET                     | 12. SUPPLY & RETURN DUCT SMOKE DETECTOR |  |
|   |  | 13. CLOGGED FILTER FAN FAILURE SWITCH   |  |



AERIAL SITE PLAN

**NOT FOR CONSTRUCTION**

ISSUED FOR PRE-PURCHASE 05/23/2015  
 PROGRESS SET 05/19/2017

REV	DESCRIPTION	DATE

**OAK BROOK PARK DISTRICT FAMILY LOCKER ROOM RENOVATION**

1450 FOREST GATE RD.  
 OAKBROOK, IL 60522

**SCHEDULES**

Project Number:  
 02-5461-01  
 Drawn By:  
 B. DUNLAP  
 Sheet:

**M5.1**