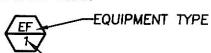
	MECHANICAL	EQ	UII	PMENT	CONN	ECT	ION	SCHE	DULE
MARK	DESCRIPTION/ SERVING	VOLT	PH	LOAD	PROVISIOI DEVICE		IT FUSES	CONTROL	NOTES
EXHA	UST FAN								
(FF)	TOILETS	120	1	49W	TIMER	15A	_	TIMER	
EF 2	TOILETS	120	1	49W	TIMER	15A	_	TIMER	
ROOF	TOP UNIT CHILLER					•			
CH 1	CHILLER/MRI	480	3	45 FLA	FSS	60A	60A	T'STAT	
DUCTI	ESS SPLIT SYSTEM							200180000 - 22	
		100000000000000000000000000000000000000							
DSS 1	DUCTLESS SPLIT OUTDOOR UNIT/MRI	208	1	27 MCA	FSS	30A	30A	T'STAT	
	UNIT/MRI DUCTLESS SPLIT INDOOR UNIT/MRI	208	1	27 MCA 1.4A	FSS FSS	30A 30A	30A 15A	T'STAT	
$\Box$	UNIT/MRI								
0SS 1 0SS	UNIT/MRI  DUCTLESS SPLIT INDOOR UNIT/MRI  DUCTLESS SPLIT OUTDOOR UNIT/MRI  DUCTLESS SPLIT INDOOR	208	1	1.4A	FSS	30A	15A	T'STAT	· · · · · · · · · · · · · · · · · · ·
DSS 2 DSS 2	UNIT/MRI DUCTLESS SPLIT INDOOR UNIT/MRI DUCTLESS SPLIT OUTDOOR UNIT/MRI	208	1	1.4A 16.5 MCA	FSS FSS	30A 30A	15A 20A	T'STAT T'STAT	٠

1. EQUIPMENT INDICATED ABOVE IS FURNISHED & INSTALLED UNDER ANOTHER DIVISION OF THE WORK. DIVISION 16 TO MAKE ELECTRICAL PROVISIONS AS INDICATED. EQUIPMENT MARK



- EQUIPMENT NUMBER

DC - DIRECT CONNECTION FSS - FUSED SAFETY SWITCH

# **GENERAL REQUIREMENTS**

1. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS OF THIS PROJECT.

2. BID PHASE:
IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DOCUMENTS TO INCLUDE PLANS AND SPECIFICATIONS FOR THE ARCHITECTURAL AND OTHER WORK UNDER OTHER DIVISIONS THAT CAN AFFECT THE WORK OF THIS DIVISION. THE CONTRACTOR SHALL ISSUE A FORMAL REQUEST FOR INFORMATION FOR CLARIFICATIONS OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO FINAL BID SUBMISSION.

PRE-CONSTRUCTION: IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL REVISED DOCUMENTS TO INCLUDE ARCHITECTURAL PLANS AND WORK UNDER OTHER DIVISIONS THAT CAN AFFECT THE WORK OF THIS DIVISION. THIS INCLUDES REVIEW OF ALL ADDENDUMS. REVISIONS AND SHOP DRAWINGS THAT AFFECT THE WORK OF THIS DIVISION. THE CONTRACTOR SHALL NOTIFY THE A/E TEAM OF ANY DISCREPANCIES PRIOR TO FINAL ROUGH-IN.

# SPECIAL CONDITIONS

- A. <u>DEMOLITION</u> COORDINATION:
- 1. REFER TO ARCHITECTURAL DEMOLITION PLANS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- 2. REFER TO ARCHITECTURAL PLANS AND/OR SUPPLEMENTAL DOCUMENTS FOR CONSTRUCTION PHASE SEQUENCE REQUIREMENTS FOR OCCUPIED SPACES AFFECTED
- 3. NOTIFY THE LANDLORD OF ANY WORK THAT MAY DISRUPT OTHER AREAS OUTSIDE OF THE WORK AREA.

## B. WORK IN EXISTING CEILINGS:

- REFER TO ARCHITECTURAL CEILING PLAN AND RELATED DETAILS FOR CEILING CONDITIONS, ADDITIONAL REQUIREMENTS, AND SYSTEM INSTALLATION COORDINATION. REFER TO ARCHITECTURAL PLANS FOR AREAS TO BE DEMOLISHED AND PROVIDED WITH NEW CEILING FINISHES. ALL OTHER AREAS ARE EXISTING CEILINGS TO REMAIN.
- WHERE EXISTING CEILING ARE DISTURBED BY THE NEW WORK, THE EXISTING CEILING GRID AND TILES SHALL BE RE-USED AND PROTECTED DURING CONSTRUCTION AND REINSTALLED IN KIND. SECTIONS OF THE CEILING SYSTEM SHALL BE TEMPORARILY REMOVED AND REPLACED IN KIND, WHERE NEEDED, TO ACCOMMODATE THE WORK. DAMAGED CEILING SYSTEMS SHALL BE REPLACED WITH NEW SYSTEMS AS NEEDED.
- 3. EXISTING DISTURBED DRYWALL CEILINGS SHALL BE PATCHED, REPAIRED, AND FINISHED TO MATCH EXISTING CONDITIONS.
- 4. COORDINATE SCOPE OF WORK IN EXISTING CEILINGS WITH GENERAL CONTRACTOR AT TIME OF BIDS AND PRIOR TO START OF WORK.
- C. EQUIPMENT COORDINATION:
- 1. REFER TO ARCHITECTURAL EQUIPMENT PLANS, FURNITURE PLANS, ELEVATIONS, CASEWORK ELEVATIONS AND OTHER RELATED PLANS FOR ADDITIONAL MEP

- CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF POWER AND COMMUNICATIONS FEED POINTS WITH THE FURNITURE SUPPLIER AND TENANT PRIOR TO ROUGH-IN. LOCATIONS ON PLANS ARE FOR CIRCUIT CONFIGURATION ONLY.
- 2, VERIFY ELECTRICAL REQUIREMENTS WITH FURNITURE SUPPLIER.
- 3. VERIFY VOICE/DATA RACEWAY PROVISIONS WITH OWNER'S COMMUNICATIONS VENDOR PRIOR TO ROUGH-IN.

INTERIOR LIGHTING FIXTURE SCHEDULE										
MARK	FIXTURE DESCRIPTION  ILLUM TYPE DIFFUSER		SCRIPTION DIFFUSER	REMARKS	VOLT	MOUNTING	LAMPS QTY TYPE		MANUFACTURER	TYPICAL LOCATION
D1	LED	DOWN LIGHT	SPECULAR CLEAR	6" APERTURE	120	RECESSED	1	1500 LUMEN	LITHONIA#REAL6CAESL 1500L35K.65SC120 LP6LN	GENERAL
D2	LED	DOWN LIGHT	DIFFUSE WHITE	NON-MAGNETIC FIXTURE WITH 24VDC INPUT.	120	RECESSED	1	2000 LUMEN	KENALL # MRIDL6VL2 30L40K 24VDC DCFW	MRI ROOM
F1	FLUOR.	2X2	ACRYLIC		120	RECESSED GRID	2	17WT8	LITHONIA #2VT8217ADP	KITCHEN
F2	FLUOR.	2X2	ACRYLIC		120	RECESSED FLANGED	2	17WT8	LITHONIA #2VT8217ADP DGA22	TOILETS
F3	FLUOR.	4' WRAP	ACRYLIC		120	SURFACE	2	F32T8	LITHONIA #CB232MVOLT	EQUIPMENT ROOM
W1	FLUOR.	WALL BRACKET	ACRYLIC	MOUNT 6" ABOVE MIRROR	120	SURFACE WALL	2	17WT8	LITHONIA #WC217MVOLT	TOILETS
W2	LED	WALL SCONCE	ACRYLIC		120	SURFACE WALL	1	25W LED	KENALL # FS1224R 2MP1AMW 4140K 1120	PET/CT SCAN ULTRASOUND
<b>W</b> 3	LED	WALL SCONCE	ACRYLIC	NON-MAGNETIC FIXTURE WITH 24VDC INPUT.	120	SURFACE WALL	1	41W LED	KENALL # MRIMAS838PANASMW1 24VDC25L40K	MRI ROOM
W4	FLUOR.	WALL BRACKET	ACRYLIC	MOUNT 6" ABOVE DOOR FRAME	120	SURFACE WALL	1	17WT8	LITHONIA #WC117A12MVOLT	CLOSET
INTER	OR LIGHTIN	G NOTES:								

1. ALL LED LIGHTING FIXTURES SHALL BE 3500° K, 82CRI

EXIT LIGHTING FIXTURE SCHEDULE											
MARK	MARK DESIG. FIXTURE DESCRIPTION		REMARKS	VOLT	MOUNTING	LAMPS		MANUFACTURER	TYPICAL		
⊗	(NOTE 3) EX1	LED	TYPE EXIT	SOURCE INTEGRAL BATTERY	WHITE HOUSING - GREEN LETTERS, SINGLE FACE	120/	UNIVERSAL	QTY -		LITHONIA LIGHTING #LQMSW3G120/277 ELN	LOCATION EXITS
0	EX2	LED	EXIT	INTEGRAL BATTERY	WHITE HOUSING - GREEN LETTERS, SINGLE FACE	120/ 277	UNIVERSAL		FURNISHED	LITHONIA LIGHTING #LQMSW3G120/277 ELN	ЕХІТЅ
	EM2	INCAN	EMERG	INTEGRAL BATTERY	TWIN HEAD EMERGENCY LIGHT	120/ 277	UNIVERSAL	-	FURNISHED W/ FIXTURE	LITHONIA LIGHTING #ELM2	EXITS
₩	CS1	LED	EXIT	INTEGRAL BATTERY	WHITE HOUSING — GREEN LETTERS, SINGLE FACE	120/ 277	UNIVERSAL	_	FURNISHED W/ FIXTURE	LITHONIA LIGHTING #LQMPW1G120/277 ELN SW16	X-RAY PET/CT

### EMERGENCY LIGHTING NOTES:

- 1. EXIT SIGNS SHALL HAVE DIRECTIONAL ARROWS AS INDICATED ON THE PLANS.
- 2. VERIFY CONFIGURATION OF EXIT SIGN LETTERS WITH LOCAL CODES.
- 3. EXIT SIGNS ARE INDICATED BY SYMBOL ON THE PLANS IN LIEU OF LETTER DESIGNATION.

## **GENERAL FIXTURE NOTES:**

- 1. FIXTURE MARK IS TYPICAL FOR ALL FIXTURES OF THE SAME SYMBOL TYPE WITHIN THE SAME ROOM OR AREA U.N.O.
- 2. FIXTURE CATALOG # ESTABLISHES THE MANUFACTURER'S SERIES # COMPLETE CATALOG # SHALL BE DETERMINED BY THE SCHEDULE DESCRIPTION, PLAN

ELECTRICAL SYMBOL LIST									
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	<u>P</u> (	OWER DISTRIBUTION SYMBOLS				
<b>⊅</b> <b>→</b>	DUPLEX RECEPTACLE — STANDARD, 125 VOLT. 18" A.F.F. (UNLESS NOTED OTHERWISE) DUPLEX RECEPTACLE — STANDARD, 125 VOLT. 44" A.F.F. (UNLESS NOTED OTHERWISE)	<u> </u>	CONTACTOR: SEE PLANS FOR SPECIFICATIONS	SYMBO	DESCRIPTION	SYMBOL	DESCRIPTION		
<b>=</b>	DUPLEX RECEPTACLE — GFI PROTECTED, 125 VOLT. 44" A.F.F. AT KITCHEN COUNTER AND BATHROOM VANITY, OTHERWISE AT 18" A.F.F. (UNLESS NOTED OTHERWISE)	TVSS TC	TRANSIENT VOLTAGE SURGE SUPPRESSION DEVICE TIME CLOCK	3/22	5 INDICATES 3-POLE/3-PHASE, 225A TRIP (FRAME RATING FOR SWITCH)	D'	FSS		
=	DUPLEX RECEPTACLE - WP AND GFI PROTECTED, 125 VOLT. 18" A.F.F.	<b>~</b>	MOTOR CONNECTION. SEE SCHEDULE FOR HP RATING UNLESS NOTED OTHERWISE.	2/10	O INDICATES 2-POLE/1-PHASE, 100A TRIP (FRAME RATING FOR SWITCH)	Ø	NFSS		
<b>=⊕</b> IG	DUPLEX RECEPTACLE — ISOLATED GROUND, 125 VOLT. 18" A.F.F. ORANGE FINISH.	<b>⊠</b>	CONTROL EQUIPMENT	60F	INDICATES 60A FUSE RATING		MOTOR CONNECTION - 3 PHASE		
€	DUPLEX RECEPTACLE — PC/COMMUNICATION, 125 VOLT. 18" A.F.F. GRAY FINISH. (PROVIDE WITH DEDICATED NEUTRAL PER CIRCUIT) (UNLESS NOTED OTHERWISE)	<b>⊚</b> •	PHOTOCELL — CIRCUIT CONTROLLED AS INDICATED ON PLANS. WIRING UP	A100 10	FUSED SWITCH	M	METER		
====	QUAD OUTLET; ONE STANDARD 125 VOLT DUPLEX RECEPTACLE & ONE 125 VOLT PC DUPLEX RECEPTACLE; MOUNTED AT 18" A.F.F. UNLESS NOTED OTHERWISE.		WIRING DOWN		CIRCUIT BREAKER	Ţ	GROUNDING ELECTRODE		
=	QUAD OUTLET; TWO 125 VOLT DUPLEX RECEPTACLES; MOUNTED AT 18" A.F.F. UNLESS NOTED OTHERWISE.		WIRING CONCEALED ABOVE CEILING OR IN WALL (2 CONDUCTORS + EQUIPMENT GROUND MINIMUM UNLESS NOTED OTHERWISE).			<b>***</b>	STEP DOWN TRANSFORMER		
<del>-0</del>	SIMPLEX RECEPTACLE - SPECIAL PURPOSE, VERIFY CONFIGURATION. 18" A.F.F.		WIRING BELOW GRADE OR BELOW FINISHED SLAB (O" C. ~ 2#10 + 1#10 EQUIPMENT GROUND MINIMUM UNLESS NOTED OTHERWISE).			FY	STING CONDITIONS		
	FLOOR BOX (WITH DUPLEX RECEPTACLE SHOWN). DEVICE TYPE SHALL BE AS INDICATED ON THE DRAWINGS. FLUSH IN FLOOR.		WIRING: NEUTRAL (OVERSIZED TICK), 2 PHASE CONDUCTORS	FEEDEF DESIGNAT	<u> LEGEND</u> ION <u>DESCRIPTION</u>	DESIGNATIO			
€c	DUPLEX RECEPTACLE, 125 VOLT. FLUSH IN CEILING.	-	WIRING: INSULATED EQUIPMENT GROUND CONDUCTOR	13 - 15 (10 to 15)	QTY. OF PARALLEL SETS (1 SET IF BLA				
•	VOICE OUTLET. 18" A.F.F. (UNLESS NOTED OTHERWISE)		WIRING: INSULATED ISOLATED GROUND (I.G.) CONDUCTOR	3#XXX —	WIRE SIZE IN AWG.				
$\triangleright$	DATA OUTLET. 18" A.F.F. (UNLESS NOTED OTHERWISE)	<del>    </del>	NOMEDIAN TO DANIEL (COURSE DANIEL & OLDOUIT MUNICIPED AS INDICATED)			(N) (F)	NEW EQUIPMENT EXISTING EQUIPMENT TO REMAIN		
<b>&gt;</b>	COMBINATION VOICE/DATA OUTLET. 18" A.F.F. (UNLESS NOTED OTHERWISE)		HOMERUN TO PANEL (SOURCE PANEL & CIRCUIT NUMBERS, AS INDICATED)	77	SOLATED GROUND	(R)	EXISTING EQUIPMENT RELOCATED		
x/x <b>▶</b>	COMBINATION VOICE/DATA OUTLET. ADJACENT NUMBER INDICATES #OF DATA/# VOICE OUTLETS. 18" A.F.F. UNLESS NOTED OTHERWISE	<del></del>	FLEXIBLE WIRING: CONDUCTORS TO MATCH SUPPLY CIRCUIT		CONDUIT SIZE	(x)	EXISTING EQUIPMENT TO BE REMOVED		
	FLOOR BOX DATA OUTLET. FLUSH IN FLOOR	<b>4</b> , <b>4</b>	ELECTRICAL PANEL: 120/208 VOLT - SURFACE, RECESSED MOUNTED	<u>AL</u>	BREVIATIONS	(X/R)	EXISTING EQUIPMENT TO BE RELOCATED		
	FLOOR BOX COMBINATION VOICE/DATA OUTLET. FLUSH IN FLOOR	1	PLAN NOTE - REFER TO NOTES ON DRAWING.	<u>DESIGNATIO</u>	DESCRIPTION	NOTE:	ALL EQUIPMENT SHOWN IS NEW U.N.O.		
♦I	TELEVISION OUTLET - MATV/CATV SYSTEM. 18" A.F.F. (UNLESS NOTED OTHERWISE)	$\check{\frown}$			ABOVE FINISHED FLOOR (TO CENTERLINE UNG	)) NFSS	NON-FUSED SAFETY SWITCH		
ଡ,ଡ୍ୟ	JUNCTION OR PULL BOX - CEILING, WALL MOUNTED. SIZE PER N.E.C. UNLESS NOTED	$\longleftrightarrow$	EQUIPMENT CONNECTION NOTE - SEE SCHEDULE.		CONDUIT CIRCUIT BREAKER	NFCU	NAVY FEDERAL CREDIT UNIT		
	OTHERWISE.	0	FLUORESCENT LIGHTING FIXTURE. LETTER DESIGNATION PER LIGHTING FIXTURE SCHEDULE.	CFSS	COMBINATION FUSED STARTER SWITCH	PC	NIGHTLIGHT (24 HOUR OPERATION) PC/COMMUNICATION OUTLET		
	MULTI-OUTLET RACEWAY - SIMPLEX OUTLETS 12" ON CENTER UNLESS NOTED OTHERWISE. MOUNT ABOVE COUNTER.		Desired Parties Parties Desired Not 1 ER Elemine 1127 ORE Schebole.	<b>3</b>	ENCLOSED CIRCUIT BREAKER ELECTRIC WATER COOLER (VERIFY MTD.)	S-1	SECTION #1 OF 2 SECTION PANEL		
\$ \$2 \$3 \$4 \$ <sup>a</sup>	SWITCH — SINGLE POLE, DOUBLE POLE, THREE WAY, FOUR WAY, SUPERSCRIPT DENOTES OUTLETS CONTROLLED. 44" A.F.F. PROVIDE NEUTRAL CONDUCTOR AT ALL SWITCHES.	_ NL	SYMBOL INDICATES 24 HOUR LIGHT (NIGHT LIGHT)	G	EQUIPMENT GROUND  GROUND FAULT INTERRUPTER C/B	S-2	(PROVIDE PANEL WITH FEED THRU LUGS) SECTION #2 OF 2 SECTION PANEL		
<b>\$</b> ⊤	SWITCH - TIMER 0 TO 30MIN. PROVIDE NEUTRAL CONDUCTOR AT ALL SWITCHES. PROVIDE SENSORSWITCH , MOUNT AT 44" A.F.F.	<b>⊗</b> H <b>⊗</b> ¢	EXIT AND COMBINATION EXIT EMERGENCY LIGHTING UNIT. SEE LIGHTIGN FIXTRURE SCHEDULE.	GFI	GROUND FAULT CIRCUIT INTERRUPTER FUSED SAFETY SWITCH	SHUNT SP	SHUNT TRIP CIRCUIT BREAKER SURGE SUPPRESSOR		
\$ <sub>MS</sub>	SWITCH - MOTION SENSOR. PROVIDE NEUTRAL CONDUCTOR AT ALL SWITCHES. PROVIDE SENSORSWITCH WSX PDT XX, MOUNT AT 44" A.F.F.			IG MCB	ISOLATED GROUND  MAIN CIRCUIT BREAKER  MAIN LUGS ONLY	SN TG UNO WP	SUPER NEUTRAL TRANSFORMER GROUND UNLESS NOTED OTHERWISE WEATHERPROOF (NEMA 3R UNO)		
				C	War 2000 OIL	441	TETTILITINO (TEMA OR ONO)		

PROGRESS ISSUE 11-11-2014

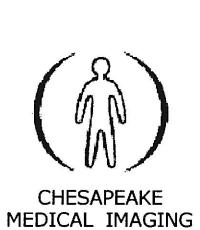


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**ELECTRICAL LEGEND AND** NOTES

E001

project no. : 14-080