

Transmittal

Project:	MU/Patient Care Tower-1230- MRI Roon	n	
Project No:	2498000	Date:	August 16, 2024
То:	Mr. Ben Myers Senior Project Manager University of Missouri Planning, Design & Construction	Сору То:	Don England, UM Greg Christ, Introba Todd Schweigert, OWH File 5.3
From:	Rick J. Ottolino, AIA		
Subject:	Addendum No. 1		
1 Сору	- Addendum No. 1 dated August 1	6, 2024	

mdr

August 16, 2024

ADDENDUM #1

TO CONTRACT DOCUMENTS FOR:	Project #CP245321 – Patient Care Tower – T1230 MRI Room
ADVERTISEMENT DATE:	July 25, 2024
PREPARED FOR:	The Curators of the University of Missouri
CONSULTANT:	Planning, Design & Construction University of Missouri 130 General Services Building (573) 882-6800

The contract documents for the above noted project and the work covered thereby and herein modified.

GENERAL INFORMATION:

- 1) Section 1.E Special Conditions, SC-14; 17. Modification to Information for Bidders Statement of Qualifications, a. (1): Delete the paragraph in its entirety.
- 2) Section 1.E Special Conditions, SC-15; (a) Minimum Qualifications, Paragraph (i); Delete paragraph in its entirety.
- 3) Prebid Meeting Agenda is being attached to this Addendum for Bidder's reference.

PROJECT MANUAL:

- 1) 260533 IDENTIFICATION FOR ELECTRICAL SYSTEMS
 - a. **UPDATED** 3.02 label color legend.
 - I. Provide the following color-coding scheme for each label based on the power system it is identifying:
 - i. Normal Power: Black letters on white background.
 - ii. Critical Power: Black letters on orange background.
 - iii. Life Safety Power: White letters on red background.
 - iv. Equipment Power: Black letters on yellow background.
 - b. **UPDATED** 3.03 Raceway identification.
 - I. Identify Raceways of Certain Systems with Color Coding: Conduits shall be painted using a factory applied finish:
 - i. Normal Power: Not colored.
 - ii. Critical Distribution System: Orange.
 - iii. Life Safety Distribution System: Red with uncolored junction boxes.
 - iv. Equipment Branch Distribution System: Yellow.
 - v. Fire Alarm System: Red with red junction boxes.

DRAWINGS:

Architectural

- 1) AD2.1 First Floor Demolition Plan & Notes
 - a. Detail 29 Temporary Partition, **DELETE** stick built drywall temporary partition and temporary door. Per the University's Construction Standards, Contractors to utilize Starc Modular Wall Systems for all temporary partitions/access doors. Provide one hour fire rated temporary partition systems where noted on the drawings or required by the University.
 - ADD General Note 20 to read as follows:
 20. Contractor to remove and salvage all existing lighting fixtures for reuse in new work. Coordinate with electrical drawings.
- 2) A6.1 First Floor New Work Reflected Ceiling Plan & Notes
 - a. **MODIFIED** Keyed Note #26.2 to read: 2x4 LED light fixture from salvage.
 - b. **MODIFIED** Keyed Note #26.3 to read: 2x2 LED light fixture from salvage.

Mechanical

- 1) M1.1 Mechanical Fist Floor Demo Plan
 - a. **REVISED** Keyed Note 4 to re-use of the existing humidifier.
- 2) M2.1 Mechanical First Floor Duct New Work Plan
 - a. **REVISED** 54"x14" RA duct over corridor to clearly delineate the conflict with EA duct.
 - b. **REVISED** Keyed note 9 to include reference to detail 9 on sheet m5.1.
- 3) M2.1A Mechanical First Floor Piping New Work Plan
 - a. **ADDED** Keyed Note 7 for wiring of the O2 sensors to the appropriate VAV controllers. KN 7 is in 5 locations on the plan.
 - b. **ADDED** View # 2 "THIRD FLOOR PLAN MECHANICAL" to clarify location of VAV-3-41 for wiring the O2 sensors to.
 - c. **ADDED** Make-up water line size tag for the new CRU-2.
 - d. **REVISED** Keyed note 2 wording.
- 4) M3.0 Mechanical Piping Diagrams
 - a. **REVISED** and consolidated notes.
- 5) M5.1 Mechanical Details
 - a. ADDED Notes to details #1 and #6.
- 6) M7.1 Mechanical Controls
 - a. REVISED Controls diagram "D" to include the O2 sensor wiring.

Plumbing

- 1) P2.1 Plumbing First Floor New Work Plan
 - a. REVISED Keyed Note 3.
 - b. **REVISED** Vent Piping.
- 2) P2.2 Plumbing Medical Gas First Floor New Work Plan
 - a. ADDED Keyed Note 10.
- 3) P2.3 Plumbing Ground Floor New Work Plan
 - a. **REVISED** sanitary and vent piping.

- 4) P2.7 Plumbing Details and Schedules
 - a. **ADDED** Detail 8.

Fire Protection

- 1) FP1.1 Fire Protection First Floor Demo Plan
 - a. **ADDED** general note to make provision for temporary sprinkler protection during construction.
- 2) FP2.1 Fire Protection First Floor New Work Plan
 - a. **ADDED** general note to reference architectural sprinkler head layout for coordination.
 - b. **REVISED** Keyed Notes 4 and 5.
 - c. **ADDED** Keyed Note 6.

Electrical

- 1) E0.1 Electrical Legend
 - a. REMOVED/CLEANED unused legend items.
- 2) E0.2 Electrical Key Plan
 - a. **ADDED** conduit routing on drawings for clarification purposes.
- 3) E1.1 Fire Alarm First Floor Demo Plan
 - a. **REVISED** general notes C & D.
- 4) E1.2 Lighting First Floor Demo Plan
 - a. REVISED Plan notes 1, 4 & 5.
- 5) E2.2 Lighting First Floor New Work Plan
 - a. **REVISED** plan notes 4.
 - b. **REMOVED** plan notes 5 & 6.
 - c. **REVISED** dressing 1225 B1(S) fixture to B1.
 - d. **REVISED** TLT 1226 D1(S) & F1(S) fixture to D1 & F1.
 - e. **ADDED** plan notes 4 to fixtures in MRI Exam 1238.
 - f. **REVISED** A1(S) fixture in Equipment 1237 to type G.
- 6) E2.3 Power First Floor New Work Plan
 - a. **REVISED** plan notes 6 & 11.
 - b. ADDED annotation to clarify the Door Air Compressor outlet.
 - c. **REVISED** med alarm circuit from N1A-10 to L1A-39 in Control Room 1235.
- 7) E2.4 Power Roof Plan
 - a. **REVISED** disconnect location based on updated background and mechanical equipment size.
- 8) E2.5 Siemens Equipment Plan New Work
 - a. **REVISED** descriptions and remarks in the electrical rough-in & legend schedule.
 - b. **REVISED** general notes A, B, C & F.
 - c. **REVISED** plan notes 1, 2 & 6.
 - d. REVISED location of chiller control panel 'WCS'.
- 9) E5.1 One-Line Diagram
 - a. **REVISED** one-line diagram to show additional related panels being worked on in this project.
 - b. **REVISED** N11 to be apart of NDP-2, not NDP-1.
 - c. **REVISED** plan notes 7.

- d. **ADDED** plan note 8.
- 10) E6.1 Details and Schedules
 - a. **REMOVED** unrelated note in detail 6.
- 11) E6.2 Details and Schedules
 - a. REVISED note 1 and note 6 on MRI Grounding Detail.
- 12) E6.3 Details and Schedules
 - a. **REVISED** descriptions of fixture C1 & C2E.
 - b. **REVISED** D1 color temperature to 3500K.
 - c. **REMOVED** Types B1(S) & D1(S).
 - d. ADDED types F1 & G.
- 13) E6.4 Details and Schedules
 - a. ADDED general note for panel schedules.
- 14) E6.5 Details and Schedules
 - a. ADDED general note for panel schedules.
 - b. **REVISED** panel L1A-39.
 - c. **REVISED** panel N1A-10.

Attachments:

Prebid Meeting Agenda, dated August 14, 2024

- M1.1 Mechanical First Floor Demo Plan, dated August 16, 2024
- M2.1 Mechanical First Floor Duct New Work Plan, dated August 16, 2024
- M2.1A Mechanical First Floor Piping New Work Plan, dated August 16, 2024
- M3.0 Mechanical Piping Diagrams, dated August 16, 2024
- M5.1 Mechanical Details, dated August 16, 2024
- M7.1 Mechanical Controls, dated August 16, 2024
- P2.1 Plumbing First Floor New Work Plan, dated August 16, 2024
- P2.2 Plumbing Medical Gas First Floor New Work Plan, dated August 16, 2024
- P2.3 Plumbing Ground Floor New Work Plan, dated August 16, 2024
- P2.7 Plumbing Details and Schedules, dated August 16, 2024
- FP1.1 Fire Protection First Floor Demo Plan, dated August 16, 2024
- FP2.1 Fire Protection First Floor New Work Plan, dated August 16, 2024
- E0.1 Electrical Legend, dated August 16, 2024
- E0.2 Electrical Key Plan, dated August 16, 2024
- E1.1 Fire Alarm First Floor Demo Plan, dated August 16, 2024
- E2.2 Lighting First Floor New Work Plan, dated August 16, 2024
- E2.3 Power First Floor New Work Plan, dated August 16, 2024
- E2.4 Power Roof Plan, dated August 16, 2024
- E2.5 Siemens Equipment Plan New Work, dated August 16, 2024
- E5.1 One-Line Diagram, dated August 16, 2024
- E6.1 Details and Schedules, dated August 16, 2024
- E6.2 Details and Schedules, dated August 16, 2024
- E6.3 Details and Schedules, dated August 16, 2024
- E6.4 Details and Schedules, dated August 16, 2024
- E6.5 Details and Schedules, dated August 16, 2024

END OF ADDENDUM #1

CP245321 Patient Care Tower - T1230 MRI Room Prebid Meeting Agenda August 14, 2024

Project Manager asks all to please sign-in and begins the meeting.

Introductions: (by Project Manager)

Consultants: Todd Schweigert with OWH and Greg Christ with Introba. Project Manager(s): _Ben Myers_____ Construction Project Manager: Matt Thomas_____

Agenda: (by Project Manager)

General Information for Bidders by the Project Manager Brief Project Description by Consultant Question/Answer Session by Consultant Tour of Job Site

General Information for Bidders: (by Project Manager)

- 1. Addendum will be issued after the prebid meeting to address clarifications/revisions discussed during the meeting.
- 2. Bids will be received at _Room L100 (Front Reception Desk), General Services Building, University of Missouri, Columbia, Missouri 65211, until 1:30pm on August 27, 2024.
- 3. Please review the <u>"Information for Bidders"</u> and <u>"General Conditions"</u> carefully.
- 4. Bid documents have provisions for <u>a Base Bid</u> and ______ additive alternates. Please supply <u>unit price</u> information as requested within the bid proposal form.
- 5. For bid to be valid, it must be:
 - a. Manually <u>signed</u>.
 - b. Accompanied by proper <u>bid security</u> in form of bid bond, certified check or cashier's check.
 - c. Accompanied by <u>Bidder's Statement of Qualifications</u> & <u>Supplier Diversity</u> <u>Compliance Information</u>.
- 6. Bidders should submit <u>1</u> copy of the <u>Bid for Lump Sum Contract</u> and <u>Bidder's Statement of</u> <u>Qualifications & Supplier Diversity Compliance Information</u>
- Put <u>bid</u> and <u>bid security</u> in one envelope and <u>Bidder's Statement</u> & <u>Supplier Diversity</u> <u>Compliance Information</u> in separate envelope - and plainly mark each envelope as specified in Article 4, of the <u>Information for Bidders</u>.

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- 8. After bids are opened and reviewed (assuming within budget), any contract award will be made approximately <u>(approximately two weeks after opening)</u>. However, that time is not a guarantee.
- 9. The <u>Notice to Proceed</u> will be issued to successful Contractor after:
 - a. UM and Campus approvals.
 - b. The Contractor has submitted the following:
 - (1) Signed contract
 - (2) Performance bond and Payment Bond [form supplied by UM]
 - (3) Insurance certificate or policies
 - (4) List of subcontractors
 - (5) University of Missouri Roofing System Manufacturers Certification (if applicable)
- 10. The project is to be completed within ____182___ consecutive calendar days <u>from receipt of</u> <u>the unsigned contract</u>. Two weeks have been included in the project completion period for the successful contractor to submit the items above.
- 11. The completion period specified in the contract documents is extremely important to the Owner. Please review Article 8.2 of the General Conditions very carefully regarding the Contractor's liability for damages for delay in completion of work. [If liquidated damages are prescribed, announce charge]
- 12. The Supplier Diversity: The Contractor shall have as a goal subcontracting with Minority Business Enterprise (MBE) of ________, with Service Disabled Veteran Owned Business (SDVE) of three percent (3%); and with Women Business Enterprise (WBE), Disadvantage Business Enterprise (DBE), and/or Veteran Owned Business of _______ of awarded contract price for work to be performed. A three point bonus will be given to bidders who meet or exceed the 3% SDVE participation goal. Please review Art. 15, IFB and Art. 13, GC for more information.
- 13. Bidder must list subcontractors for the following work

______. Please review

Art. 16, IFB for more information.

- 14. Review any unusual "Special Conditions" items that may affect the Contractor's bid (i.e., parking permitting, access, site conditions, schedule, other contractors working in immediate vicinity, landfill, etc.).
- 15. Advise the Contractors to seek clarification if they have questions. The Contractors should be sure they have all questions answered in writing; otherwise, the work will be installed according to the specifications.

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16. Review any University procedures the Contractors may wish to discuss.

Brief Description Of Project: (by Consultant)

The Consultant will give a brief description of the project, covering all major components and any unique features of the project.

Questions and Answers: (by Consultant)

The Consultant will conduct the question/answer session, and then prepare an addendum after the meeting to address all resulting clarifications/modifications to the contract documents.

Job Site Tour: (by Consultant)

The Consultant will lead the group on a tour of the job site, pointing out the location of all work included in the contract documents and bringing attention to all problem areas. Any questions relating to contract Document during the tour should be directed to the consultant to accommodate incorporation of the clarification in the addenda.









10' 20' 30' 40'

	1/2"							3/4"
10' 12'		1'	2'	3'	4'	5'	6'	1' 2' 3' 4'

2. ENCLOSED POWER SUPPLY MUST BE LOCATED IN ELECTRICAL ROOM, MECHANICAL ROOM, OR JANITOR'S CLOSET AND BE ACCESSIBLE. ANY OTHER LOACAION MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE

KEYED NOTES:

$\langle 1 \rangle$	EACH SECONDARY OUTPUT LINE CAN POWER 3-5 VAV CONT
$\langle 2 \rangle$	PRIMARY LINE INFO: 480/277/240/120 Vac, #12 AWG MINIMUM

- 3 SECONDARY LINE INFO: 24 Vac, #12-26 AWG, 100 VA. MAX LENGTH 175 FEET USING #14 AWG
- 4 DISCONNECT SWITCH REQUIRED, EXTERNALLY MOUNTED WITHIN 12 INCHES OF RIB POWER SUPPLY
- 500VA POWER SUPPLY INCLUDED IN RIB MODEL# PSH500A OR APPROVED EQUIVALENT
- POWER SUPPLY
- $\langle 7 \rangle$ A SEPARATE 3 AMP FUSE IS REQUIRED WITHIN 3 FEET OF EACH VAV

C VAV BOX POWER SUPPLY DIAGRAM

FLOOR

TROLLERS MAXIMUM. (100 VA)

6 ALL SECONDARY LINES MUST BE LABELED IN ENCLOSURE AS TO WHICH VAV'S THEY POWER PRIOR TO ENERGIZING

		,	- 12'			

					PLU	JMBIN
PLAN MARK	DESCRIPTION	MANUFACTURER	MODEL	TRIM	DRAIN / TRAP	S
LA-1	WALL HUNG LAVATORY	AMERICAN STANDARD 0355.012 BY OTHERS EXISTING SINK		CHICAGO FAUCETS MODEL #116.606.AB.1, SENSOR OPERATED BATTERY POWERED FAUCET, 0.5 GPM	MCGUIRE 155WC OFFSET GRID DRAIN WITH CHROME PLATED P-TRAP	CHICAGO KEY ANO
SK-1	SINGLE BOWL S/S SINK			CHICAGO FAUCETS MODEL #786-GN2FCXKABCP, MANUAL FAUCET W/ 4" WRISTBLADE HANDLES, 1.5 GPM	GRID DRAIN/CHROME PLATED P-TRAP	CHICAGO KEY ANG
WC-1	FLOOR MOUNT FLOOR OULET WATER CLOSET		3461.001	SLOAN MODEL #ROYAL 111 SFSM-1.6, SENSOR OPERATED BATTERY POWERED FLUSHOMETER, 1.6 GPF	INTEGRAL	

PLAN MARK	DESCRIPTION	OXYGEN	MEDICAL AIR	MEDICAL
ZVB-1	ZONE VALVE BOX	•	•	
ZVB-2	ZONE VALVE BOX	•	•	
ZVB-3	ZONE VALVE BOX	•	-	

	MEDICAL GAS AREA ALARM SCHEDULE													
N MARK	DESCRIPTION	OXYGEN	MEDICAL AIR	MEDICAL VACI	JUM CARB	ON DIOXIDE	NITROGEN	NITROUS OXIDE	WAGD	NC	TES			
AA-1	AREA ALARM	•	•	•	-		-	-	•	AREA ALARM TO S VALVE BOX 1, 2, A ALARM TO BE CO EXISTING MASTE	SERVE ZONE ND 3. AREA NNECTED TO R ALARM.			
DRAIN SCHEDULE														
			l l l l l l l l l l l l l l l l l l l	PLAN MARK	DESCRIPTIC	N MAN	UFACTURER	MODEL	BOD	Y STRAINE'	۲ NOTES			
-		FD-1	SQUARE FLOOR DRA	IN JA	Y R. SMITH	2005Y-NB	CAST IF	INICKEL BRONZE	PROVIDE TRAP PRIMER CONNECTION (-P050)					
		FS-1	FLOOR SIN	K JA	Y R. SMITH	3038Y-NB-12	CAST IF	RON NICKEL BRONZE	PROVIDE TRAP PRIMER CONNECTION					

	EXISTING / DEMOLITION	POKE THRU FLOOR	R WALL	CEILING	RECEPTACLES / POWER	WALL	CEILING	LIGHTING	FLOOR WALL CEILING	SECURITY	FLOOR WALL CEIL	ACCESS CONTROL SYSTEM			
	EXISTING EQUIPMENT / RACEWAYS TO REMAIN	NOTE: UNLESS (DEVICE AT 18".	OTHERWISE	NOTED, REC	CEPTACLES SHALL BE MOUNTED WITH TOP OF		RECESSED MO	DUNTED TROFFER	<u>S</u> <u>S</u> 3/4"	SECURITY SYSTEM CONDUIT ONLY		RACEWAY AND BOXES: CONTRACTOR	ELECTRICAL DE	MOLITION NOTES	, CONDUIT, WIRE, ETC AS
\\\\\\\	EXISTING FOUIPMENT / RACEWAYS TO BE REMOVED		- (18)		MULTI-OUTLET RACEWAY WITH PREWIRED RECEPTACLES MOUNTED 12" ON CENTER UNLESS		SURFACE MOI	JNTED TROFFER	$\frac{-\underline{s}+}{\underline{s}+} = \underline{s}+ \frac{\underline{s}+}{\underline{s}+} = \underline{s}+ \frac{1" \text{ S}}{1''}$	ECURITY SYSTEM CONDUIT ONLY		CONTRACTOR FURNISHED, INSTALLED WIRING: CONTRACTOR FURNISHED, INSTALLED DEVICES: CONTRACTOR FURNISHED,	SHOWN OF EXIS	AND SPECIFIED ON DRAWINGS, AND AS MAY E FING FIELD CONDITIONS. VISIBLY EXAMINE AL	BECOME NECESSARY BECAUSE
					INDICATES DISTANCE BETWEEN DEVICES. WHERE MULTIPLE CIRCUITS ARE INDICATED CIRCUITS		SUSPENDED (DR PENDANT MOUNTED LUMINAIRE	$\left -\underline{\underline{s}}_{III} \right = \underline{\underline{s}}_{IIII} \left -\underline{\underline{s}}_{IIII} \right = \underline{\underline{s}}_{IIII} \left \underline{\underline{s}}_{IIII} \right = \underline{\underline{s}}_{IIII} \left \underline{\underline{s}}_{IIII} \right = \underline{\underline{s}}_{IIIII} \left \underline{\underline{s}}_{IIIII} \right = \underline{\underline{s}}_{IIIIII} \left \underline{\underline{s}}_{IIIIIII} \right = \underline{\underline{s}}_{IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII$	ECURITY SYSTEM CONDUIT ONLY		INSTALLED	CAPPING THE DRA	AVAL TO DETERMINE THE CONDUIT AND THE AND REMOVAL, WHETHER OR NOT SUCH CO WINGS. FAILURE TO VISIT THE SITE AND TO T	E WIRING THAT WILL REQUIRE ONDITIONS ARE INDICATED ON TAKE ALL EXISTING CONDITIONS
	NEW EQUIPMENT / RACEWAYS				ALTERNATE ALONG ENTIRE LENGTH OF RACEWAY				ALAI COC	RM CONTACT FOR DOOR OR WINDOW, ORDINATE ROUGH-IN WITH HARDWARE SUPPLIER		(FURNISHED BY G.C., INSTALLED BY E.C.)	INTO AC 2. MAINTAI	COUNT WILL NOT ALLOW FOR CHANGES TO T N CIRCUIT CONTINUITY TO ALL EXISTING FIXT REMAIN IN USE WHETHER NOTED ON THE PL	THE SCOPE OF WORK. TURES, EQUIPMENT, OUTLETS,
	EXISTING TO REMAIN			(CK LIGHT		RD READER ASSEMBLY, PROVIDE RACEWAY	DPS	DOOR POSITION SWITCH (COORDINATE WITH DOOR VENDOR)	EXISTING	GITEMS TO REMAIN IN USE. RECONNECT RAC CIRCUITS WHICH MUST BE RE-ROUTED OR N	CEWAYS AND WIRING FOR WHICH ARE PARTIALLY
	EXISTING TO BE REMOVED		₩						STR DEV	RIKE, MOTION DETECTOR AND REQUEST FOR EXIT /ICE, AS REQUIRED. COORDINATE ROUGH-IN WITH	0	WAVE PLATE U.N.O : +48" A.F.F OR AS NOTED	ABANDO 3. REMOVE UNUSED	NED TO POWER THE REMAINING OUTLETS ON ALL UNUSED WIRING AND CABLES BACK TO CONDUIT THAT IS EXPOSED OR ABOVE ACCE	N THE CIRCUIT. THEIR SOURCE. REMOVE ALL ESSIBLE CEILINGS WHICH IS
	NEW EQUIPMENT, LIGHTING FIXTURE OR DEVICE	₩ ₩	₩		QUADRUPLEX RECEPTACLES		Image: Constraint of the second secon	UNTED DOWNLIGHT		ERCOM STATION, CEILING MOUNTED TO BE TWO	RECESSED SURFAC	GENERAL ELECTRICAL SYMBOLS	AFFECTE 4. THE INTE	D BY OR IS IN THE AREA OF THE DEMOLITION NTION OF THE ELECTRICAL DEMOLITION DRA	N WORK. AWINGS IS TO DISCONNECT AND
	SINGLE LINE DIAGRAM		$\begin{array}{c c} x & & & \\ \hline x & & & \\ x & & \\ x & & & \\ x & & \\ x$	\ominus^{X}	SPECIAL RECEPTACLES (DUPLEX & QUADRUPLEX), REFER TO SPECIAL	오 _모	WALL MOUNT	ED LUMINAIRE		Y PAD STATION		DISCONNECT SWITCH, 30 AMP MINIMUM UNLESS NOTED	REMOVE AND ALT REMOVE	ALL ELECTRICAL WORK MADE VOID BY THE S ERATION. FIELD VERIFY EXACT MATERIAL QU D.	IANTITIES REQUIRED TO BE
	TRANSFORMER AS NOTED ON SINGLE LINE DIAGRAM		^ ♥^	♣^	RECEPTACLE SCHEDULE, THIS SHEET SHADING FOR EMERGENCY INSIDE			LUMINAIRE		TION DETECTION DEVICE, DEVICE TO BE DIRECTED RECOMMENDED BY SUPPLIER AND APPROVED BY		FUSED DISCONNECT SWITCH, 30 AMP MINIMUM UNLESS	5. DISCON ASSOCIA	NECT AND REMOVE ALL EXISTING ELECTRICAL TED RACEWAYS, SUPPORTING HARDWARE, A	L EQUIPMENT, DEVICES, AND WIRING, WHICH HAVE BEEN
	ISOLATION TRANSFORMER , AS NOTED ON SINGLE LINE				GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLES	EXIT	EXIT SIGN; SH	ADED PORTION INDICATES ILLUMINATED IONAL ARROWS AS INDICATED ON PLANS.	WO OWI			MOTOR, 5 HP INDICATED	DEMOLIT BEEN MA	TON DRAWINGS, UNLESS OTHERWISE NOTED DE TO INDICATE ALL OF THIS WORK, TOTAL A	D. ALTHOUGH AN ATTEMPT HAS ACCURACY IS NOT GUARANTEED.
	DIAGRAM				INSTALL ABOVE COUNTER OR DEFINED HEIGHT		CONFIRM WE LEVEL EXIT SI	INTEND TO PROVIDE HIGH AND LOW GNS FOR THIS PROJECT.				TRANSFORMER	VISIBLY TO DETE 6 WHERE	EXAMINE ALL AREAS AND WALLS AND CEILING RMINE EXISTING ELECTRICAL ITEMS TO REM FLECTRICAL FOUIPMENT CONDUIT BOXES A	GS SCHEDULED FOR REMOVAL AIN. AND SUPPORTING HARDWARE
	CIRCUIT BREAKER, 3 POLE UNLESS NOTED OTHERWISE	⊕ > ⊕>	> @ >		HALF CONTROLLED DUPLEX				FLOOR WALL CEILING	AUDIO / VISUAL SYSTEM] RELAY OR EQUIPMENT CABINET AS INDICATED ON PLAN	ARE REN EXISTING	IOVED, PATCH AND FINISH THE SURFACE AS I G, USING WORKERS QUALIFIED IN THE APPRO	REQUIRED TO MATCH THE PRIATE TRADE.
	SHUNT TRIP RELAY		>		FULL CONTROLLED QUADRUPLEX	<u>LED</u>				AKER BACK BOX, COORDINATE SIZE WITH SYSTEM PPLIER. PROVIDE RACEWAY BETWEEN DEVICES AND RMINATE IN TELEPHONE ROOM 1/2" CONDUIT MIN		LIGHTING OR POWER PANEL BOARD	ABANDO PLUG WI	NED, CUT AND GRIND THE CONDUITS OFF FLU TH NON-SHRINK WATERPROOF GROUT FILL.	USH WITH TOP OF SLAB AND
	NOTED OTHERWISE FUSED DISCONNECT SWITCH, 3 POLE UNLESS NOTED		Des		SWITCHED RECEPTACLES	MULTIPLES						FREE STANDING SWITCHBOARD, MOTOR CONTROL	8. TAKE AL RELOCA	L REMOVED MATERIALS FROM THE PROJECT TED, STORED, OR TURNED OVER TO THE OWI	SITE, EXCEPT FOR THOSE TO BE NER. EPTS EXISTING CONDITIONS
	OTHERWISE		Q	G	CLOCK RECEPTACLES					LARM SYSIEM		FIRE TREATED PLYWOOD BACKBOARD 3/4"X96" HIGH X	10. COORDII 11. PROVIDE	VATE ALL DEMOLITION WORK WITH ALL OTHE A BLANK COVER OVER THE OUTLET WHERE	R TRADES. A FLUSH DEVICE IS BEING
<u> </u>	GROUND		Q		JUNCTION BOX 4" SQUARE MINIMUM FOR WALL	A. CONTRACTO	OR IS RESPONSIBLE FOR IDEN	ITIFYING FIXTURE TYPE AND MOUNTING	LAYOUT WITH CERTAIN SPECIFI SHOP DRAWINGS (SIGNED AND	IC REQUIREMENTS IDENTIFIED. PROVIDE ENGINEERED SEALED) AND FINAL INSTALLATION IN COMPLIANCE WITH		LENGTH AS INDICATED	REMOVE MATERIA 12 LEGALLY	D FROM FLOORS AND WALLS THAT ARE TO R IL TO THE EXISTING REMAINING COVERS IN T I DISPOSE OF HAZARDOUS MATERIALS AND B	REMAIN. MATCH THE COLOR AND THE ROOM OR SPACE. BALLASTS OR OTHER FOLIDMENT
	GRUINUING GAGTEM		 []			CONDITIONS B. REFER TO F	IS REGARDLESS OF SYMBOL U FIXTURE SCHEDULE FOR FIXTURE SYMPONICS	SED ON PLANS. JRE DESCRIPTION, MOUNTING AND LAMP S INDICATE FIXTURE IS CONNECTED TO THE	LIFE I ESTABLISHED BY CODE THE AL	IOTES, THE SCHEMATIC FIRE ALARM CONTENT AND THESE DRAWINGS, AND ANY ADDITIONAL REQUIREMENTS JTHORITIES HAVING JURISDICTION. OR UNFORESEEN	S EQ01	ELECTRICAL EQUIPMENT DESIGNATION DESIGNED "EQ01"	CONTAIN STATE, A	IING PCBS AND LAMPS CONTAINING MERCUR ND LOCAL LAWS. 13. MODIFY EXISTING PANE	Y. COMPLY WITH ALL FEDERAL, L DIRECTORIES (OR REPLACE)
VVALL			P		SYSTEM FURNITURE POWER FEED, REFER TO	SAFETY SYS C. PROVIDE UN	STEM OR HAS SECONDARY PC	WER SOURCE. R TO FIXTURES WITH [BATTERY BACK UP.	CONDITIONS. FURNISH THESE I AUTHORITIES HAVING JURISDIC	ENGINEERED FIRE ALARM SHOP DRAWINGS TO BOTH THE CTION (AHJ) AND THE ARCHITECT FOR REVIEW.	1	REFERENCE TO NOTE "1" ON SAME SHEET	FOR PAN THEREIN PANFI RO	LEBOARDS WHICH HAVE HAD ALTERATIONS DESCRIBE THE LOAD AND LOCATION. TYPE, DARD DIRECTORIES.	TO THE CIRCUITS ORIGINATING , DO NOT HAND LETTER NEW
	FURNISHED SURFACE. CADWELD B164-2Q OR EQUIVALENT				REQUIREMENTS	ONBOARD L CONTROL S ADDITIONAL	UL 924 OR UL 1008 DEVICE] STA SEQUENCE SCHEDULE. [REFEF L REQUIREMENTS]	ATED IN LIGHT FIXTURE SCHEDULE OR LIGHT R TO UL 924 AND UL 1008 DETIALS FOR	ING 2. PROVIDE ENGINEERED FIRE ALA EQUIPMENT, AND APPURTENAN	ARM SHOP DRAWINGS THAT INCLUDE ALL DEVICES, ICES AS REQUIRED BY APPLICABLE CODES OR AS	Р	MECHANICAL EQUIPMENT DESIGNATION "P-1"	ELECTRICAL GE	NERAL NOTES	
<u> </u>	GROUND BUS					EXAMPLES:	0 0 (NECESSARY TO FOR A COMPLE INTERFACES WITH OTHER SYST	TE, FUNCTIONAL, FIRE ALARM SYSTEM INCLUDING TEMS AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS	$\frac{1}{1}$	FOR CIRCUTING AND DEVICE REQUIREMENTS. REFER TO FLOOR PLANS FOR LOCATION.	1. MAKE AL ACT ACC	L INSTALLATIONS IN ACCORDANCE WITH THE ESSIBILITY GUIDELINES (ADAAG) AND ARCHIT	E AMERICANS WITH DISABILITIES TECTURAL BARRIERS ACT (ABA).
回	TECHNICAL GROUND BUS				SPECIAL RECEPTACLE DESCRIPTION SCHEDU	N	NORMAL EMERGENCY CRI		AL 3. SPECIAL REQUIREMENTS FOR C PROTECTION TO FIRE ALARM S	CIRCUIT BREAKERS PROVIDING OVERCURRENT YSTEM CLASS I CIRCUITS: PROVIDE VISUALLY-	+4'-6"		2. MOUNTII TO THE (NG HEIGHTS INDICATED WITHIN PLANS AND S CENTER LINE OF THE DEVICE, EQUIPMENT, LU	CHEDULES ARE DIMENSIONED JMINAIRE, ETC. UNLESS
	GROUND ROD			N		LUMINAIRE NOMENCLATUR	"A" DE "3" DE "a" DE "a" DE	INOTES FIXTURE TYPE NOTES CIRCUIT NUMBER NOTES SWITCH ZONE	DISTINGUISHABLE RED CIRCUIT SYSTEM' LABEL.	FBREAKERS WITH LOCK-ON DEVICE AND 'FIRE ALARM	MH=4'-6"	MOUNTING HEIGHT FROM FINISHED FLOOR TO BOTTOM	3. COORDII LOCATIC	NATE EXACT EQUIPMENT LOCATIONS WITH O'NS SHOWN ON ELECTRICAL PLANS ARE DIAG	THER TRADES. EQUIPMENT GRAMMATIC ONLY.
	GROUND ROD TEST WELL	A 125V, 1 B 125V, 1	1Ø, 30A, 2P, 3 ¹ 1Ø, 50A, 2P, 3	W 5- W 5-	-30R WITH 5-30P PLUG -50R WITH 5-50P PLUG		3,a,z1 "NL" II "SE" II	NDICATES UNSWITCHED FIXTURE NDICATES EMERGENCY FIXTURE IS SWITCHE	D 4. REFER TO SPECIFICATIONS SEC TO THE FIRE ALARM SYSTEM.	CTION 283111 FOR ADDITIONAL INFORMATION PERTAINING		OF OUTLET OR EQUIPMENT	4. CIRCUIT POINTS	IDENTIFICATION NUMBERS BESIDE ELECTRIC ON PLANS CORRESPOND TO AN OVERCURRED OARD, NOTE ALL CIRCUIT NUMBER CHANCES	CAL DEVICES AND CONNECTION NT DEVICE IN THE DESIGNATED MADE IN THE FIELD AT EACH
		D 125/250 F 125/250 G 120/202	JV, 1Ø, 20A, 3 0V, 1Ø, 30A, 3 8V, 30V, 20A	P, 4W 14 P, 4W 14	1-20R WITH 14-20P PLUG 1-30R WITH 14-30P PLUG 1-20R WITH I 21-20 PLUG				5. SIGNALING LINE CIRCUITS SHAL	LL BE ROUTED IN A CLASS A CONFIGURATION.	(<u>1</u> (E-6)	DETAIL REFERENCE NUMBER "1" ON DRAWING "E-6"		CAL DEVICE AND CONNECTION POINT. ALSO (MARKINGS AT PANELBOARDS, SWITCHBOARD	CORRECT THE DIRECTORIES AND S AND SWITCHGEAR TO
	EXOTHERMIC GROUND CONNECTION	H 120/208 J 250V, 1	8V, 30Y, 30A 1Ø, 20A, 2P, 3	W 6-	1-30R WITH L21-30 PLUG -20R WITH 6-20P PLUG				6. NOTIFICATION APPLIANCE CIRC	CUITS SHALL BE ROUTED IN A CLASS A CONFIGURATION.		SECTION OR ELEVATION REFERENCE LETTER "A" ON	ACCURA 5. INSTALL THAT OF	TELY REFLECT THE AS-BUILT CONDITIONS. EMERGENCY AND EXIT LUMINAIRE WIRING IN ANY NORMAL POWER DEVICE	A SEPARATE RACEWAY FROM
<u>—<u>G</u>—</u>	GROUND WIRE	K 250V, 1 L -	.Ø, 30A, 2P, 3V	W 6-	-30R WITH 6-30P PLUG - 'L' INDICATES ASSOCIATED RECEPTACLE IS LOCKING TYPE PROVIDE MATCHING	1. WHERE I COMMON	I WO OR MORE SWITCHES ARE I GANG BOX WITH A SINGLE, S	ESHOWN ADJACENT TO EACH OTHER, PROVI EAMLESS FACEPLATE.	JE A 7. FIRE ALARM CIRCUITS SHALL BE ROUTED ABOVE ACCESSIBLE CI WITHIN CONDUIT BETWEEN DEV	E ROUTED IN CONDUIT WHERE INACCESSIBLE. WHERE EILINGS, FIRE ALARM CIRCUITS SHALL CONSIST OF WIRIN (VICES	G A E-6	DRAWING "E-6"	6. CONCEA SLABS, E	L ALL CONDUIT IN WALLS, PARTITIONS, ABOV TC. UNLESS OTHERWISE INDICATED ON THE	E CEILINGS, AND IN FLOOR PLANS OR IN THE
		M 250V, 1	1Ø, 50A, 2P, 3	W 6-	-50R WITH 6-50P PLUG	2. PROVIDE REQUIRE	NEUTRAL AND UNSWITCHED	HOT TO LINE VOLTAGE CONTROL DEVICE WH	8. FOR VISUAL DEVICES, THE '# W	/ITHIN THE SYMBOL CORRESPONDS TO THE CANDELA	A-1,3,5	INDICATES HOMERUN WITH THREE CIRCUITS AND A SEPARATE NEUTRALS	SPECIFIC AND STC 7 COORDII	CATIONS. CONDUIT ROUTED IN MECHANICAL F RAGE ROOMS WITHOUT CEILINGS MAY BE RO NATE VERTICAL CONDUIT ROUTING TO WALL	ROOMS, ELECTRICAL ROOMS, OUTED EXPOSED. MOUNTED DEVICES TO ENSURE
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	P 250V, 3 250V, 3 250V, 3 250V, 3	0, 20A, 3P, 4V 3Ø, 30A, 3P, 4 3Ø, 50A, 3P, 4	W   15 W   15 W   15	5-20R   WITH 15-20P PLUG 5-30R   WITH 15-30P PLUG 5-50R   WITH 15-50P PLUG	3. SEE LIGH REQUIRE	ITING CONTROL SEQUENCE SO EMENTS. SEE UL 924 AND UL 10	CHEDULE FOR UL 924 AND UL 1008 108 DETAIL.	RATING OF THE DEVICE: 1=15cd	I, 3=30cd, 5=75cd, 7=177cd.			DEVICES ALIGNED	LOCATED WITHIN AN 18-INCH HORIZONTAL D	DIMENSION WILL BE CENTER-
VALL CEILING	TELECOMMUNICATIONS	9 3 480V, 3 125V, 1	3Ø, 30A, 3P, 4\ 1Ø, 20A, 2P, 3'	W L10 W 5-	6-30R WITH L12-30P PLUG -20R ISOLATED GROUND WITH INTEGRAL	<pre>\low LC0 \rightarrow</pre>	AREA CONTROL SCHEME TA	G	DEVICE +90" A.F.F. OR 6" BELOW	V THE CEILING, WHICHEVER IS LOWER.		Image         Image <th< td=""><td>- 8. FIELD CC MOUNTII EQUIPMI</td><td>OORDINATE ALL ELECTRICAL AND TELECOMM NG LOCATIONS TO AVOID ENCROACHMENT OI ENT FROM OTHER TRADES. COORDINATE THE</td><td>IUNICATIONS EQUIPMENT F OPERATION AND ACCESS TO E APPROPRIATE MOUNTING</td></th<>	- 8. FIELD CC MOUNTII EQUIPMI	OORDINATE ALL ELECTRICAL AND TELECOMM NG LOCATIONS TO AVOID ENCROACHMENT OI ENT FROM OTHER TRADES. COORDINATE THE	IUNICATIONS EQUIPMENT F OPERATION AND ACCESS TO E APPROPRIATE MOUNTING
1 TYPIC	CAL MOUNTING HEIGHT: *18" A.F.F. UNLESS RWISE NOTED.	<b></b>			TRANSIENT SUPPRESSOR AND DEDICATED GREEN/YELLOW CONDUCTOR BACK TO GROUND BUS AT			ITROL SEQUENCE SCHEDULE		AKER		SWITCHING REQUIREMENTS FOR THE PARTICULAR CIRCUITS INVOLVED. TYPICAL 120V HOMERUNS SHALL CONSIST OF #12 AWG CONDUCTORS IN 3/4" CONDUIT MINIMUM UNLESS		N WITH THE AFFECTED DISCIPLINES WHEN E D ONTO THE SURFACE OF ANOTHER DISCIPL	QUIPMENT IS SPECIFIED TO BE INE'S EQUIPMENT.
2. PR( PL/	OVIDE 4-11/16- SQUARE BOX WITH SINGLE GANG ASTER RING (VERITICAL).	X 125V, 1 Z 480V, 3	1Ø, 20A, 2P, 3V 3Ø, 20A, 3P, 4	W 5- W L10	-20R PANEL 6-20R DEDICATED CIRCUIT			OOM TAG				INDICATED OTHERWISE. NO SHARED NEUTRALS SHALL BE ALLOWED. A MAXIMUM OF NINE CURRENT-CARRYING	9. REPAIR ACCOMN CONDITI	ALL OPENINGS MADE IN EXISTING WALLS, PAR IODATE WORK OF THIS DISCIPLINE TO MATCH ONS, USING WORKERS QUALIFIED IN THE APF	HTHONS, AND SURFACES, TO HTHE SURROUNDING PROPRIATE TRADE.
3. ALL MIN CO	L TELECOMMUNICATION CONDUIT SHALL BE A NIMUM V IN DIAMETER STUBBED TO [ACCESSIBLE )RRIDOR CEILING SPACE: NEAREST CABLE TRAY)	3			WITH L16-20R PLUG		CEILING OCCUPANCY SENSI					CONDUCTORS ARE ALLOWED IN A RACEWAY. NEUTRAL CONDUCTORS ARE ALSO CONSIDERED CURRENT-CARRYING CONDUCTORS. FOR CIRCUITS EXCEEDING 75'-0" IN LENGTH,	APPROP 10. ALL MAT	RIATELY GROUT OR SEAL ALL CONDUITS THR ERIALS USED TO SEAL PENETRATIONS OF FIR	ROUGH WALLS. RE RATED WALLS AND FLOORS
UNI 4. PR(	ILESS OTHERWISE NOTED. OVIDE INSULATED BUSHING ON ALL RACEWAYS.						WITH A SUBSCRIPT, SENSOI SUBSCRIPT LEGEND:	R SHALL BE PASSIVE INFRARED (PIR).		ODE PEAKER WITH STROBE		PROVIDE THE NEXT LARGER WIRE SIZE FOR THE CIRCUIT AMPACITY.	FOR FIR	E TESTS OF THROUGH-PENETRATION FIREST CATION 07 8400 FIRE STOPPING & FIRE-RESIS	EM PER ASTM E814 STANDARDS OPS. REFERENCE TIVE JOINT SYSTEMS FOR
5. SUE A.	ABOVE COUNTER - MOUNT +6' ABOVE BACKSPLASH OR WORK SURFACE.	NURSE		SYSIE	.M	_	H: HALLWAY/E) HB: HIGH BAY O IR [:] PASSIVE INE	KTENDED RANGE OCCUPANY SENSOR. CCUPANCY SENSOR RARED OCCUPANCY SENSOR				2. WHERE NUMBER OF CURRENT-CARRYING CONDUCTORS IN A RACEWAY EXCEEDS THREE, THE ALLOWABLE AMPACITY OF EACH CONDUCTOR SHALL BE REDUCED AS SHOWN IN THE	ADDITIO 11. PERFOR	NAL INFORMATION. M ALL WELDING ACCORDING TO AMERICAN W CERTIFICATES OUT LEVING FACH WELDER T	VELDING SOCIETY STANDARDS.
C.	CEILING MOUNTED - MOUNT FLUSH WITHIN CEILING TILE OR GYPSUM CEILING.		<u>IES:</u>	WIRING: CO	AND BOXES: CONTRACTOR FURNISHED, INSTALLED ONTRACTOR FURNISHED, INSTALLED CONTRACTOR FURNISHED, INSTALLED					PEAKER		ADJUSTMENT FACTOR TABLE IN THE NATIONAL ELECTRIC CODE. LOAD DIVERSITY FACTORS SHALL NOT BE USED IN SIZING CONDUCTORS, NEUTRAL CONDUCTORS SHALL BE	PRIOR T REQUIRE	D START OF WORK. THE ARCHITECT OR ENGI QUALIFYING DEMONSTRATION, AT NO ADDIT	INEER RESERVES THE RIGHT TO TIONAL EXPENSE, OF ANY
vv.	SURFACE. PROVIDE MOUNTING LUGS FOR TELEPHONE.	1. REFER TO A		RAL ELEVAT	TIONS FOR EXACT MOUNTING HEIGHTS AND				SD SMOKE DETECTOR : F	PHOTOELECTRIC TYPE.		COUNTED AS CURRENT-CARRYING CONDUCTORS.	WELDER 12. REPLACI ETC) RE	S ASSIGNED TO THE JOB. E OR REINSTALL ALL PORTIONS OF THE BUILD MOVED TO ACCOMMODATE THE INSTALLATIO	DING (CEILING TILES, WALLS,
WA	AP: WIRELESS ACCESS POINT DATA OUTLET - FURNISH AND INSTALL A CAT 6 CABLE WITH RJ-45							 Z	SD SMOKE DETECTOR W DETECTOR COMPATIE	/IRED DIRECTLY TO PRE-ACTION SYSTEM. CONFIRM SMOK BILITY WITH PREACTION SYSTEM CONTROL PANEL.	E	CONDUIT CONCEALED IN CEILING OR WALL SPACE	EQUIPME 13. COORDII	ENT, ETC., USING WORKERS QUALIFIED IN THINATE LUMINAIRE LOCATIONS WITH ARCHITEC	E APPROPRIATE TRADE. TURAL DRAWINGS AND SUCH
	ACCESSIBLE CEILING FROM TELECOM ROOM. WIRELESS ACCESS POINTS ARE OWNER		DOUBLE BED	STATION : +	+48" A.F.F. U.O.N. +48" A F F U.O.N	\$	LIGHTING CONTROLLER. SIN	NIGLE ZONE UNLESS		ITTEN REQUIREMENTS PRIOR TO ORDERING.		CONDUIT RUN UNDERGROUND OR CONCEALED IN FLOOR SPACE	BETWEE INSTALL	MINAIRES RUN PARALLEL TO THE FACE OF TH N EQUIPMENT IN ALL MECHANICAL AND ELEC AT PROPER LOCATIONS AND HEIGHTS TO PR	HE EQUIPMENT AND OVER AISLES TRICAL EQUIPMENT AREAS. ROPERLY ILLUMINATE ALL GAGES,
#	FURNISHED, OWNER INSTALLED. DEFINES THE NUMBER OF DATA CABLES SHALL BE PROVIDED AT FACH VOICE DATA OUTLET. WHERE A		STAFF STAT	ION : +48" A.	.F.F. U.O.N.	X	OTHERWISE NOTED WITH A SUBSCRIPT LEGEND:	SUBSCRIPT	FR ADDRESSABLE CONTI	ROL RELAY	<u>(MS-01)</u>	EXISTING CONDUIT TO REMAIN	PANELS, HANGING	ELECTRICAL EQUIPMENT, CONTROLS, VALVE G, CHANNEL HANGING, ETC. ARE ACCEPTABLE	ES, ETC. CHAIN HANGING, STEM E METHODS.
	NUMBER DESIGNATION IS NOT PROVIDED, ONE (1) CAT 6 CABLE AND ONE (1) ACTIVE JACK SHALL BE		DUTY STATI	ON : +48" A.F	F.F. U.O.N.		3 : 3-WAY SWITCH 4 : 4-WAY SWITCH		FM ADDRESSABLE MONIT	TOR MODULE	< <u>RA-1&gt;</u> o	CONDUIT RISING UP FROM RUN			
vv	ASSUMED. 7 VIDEO VISITATION EQUIPMENT. PROVIDE COMPARTMENTALIZED BACKBOX WITH CAT6		EMERGENCY +78" AT SHC	Y PULL CORI	D STATION: +48" A.F.F. AT TOILETS, ONS. CORD LENGTH SHALL EXTEND		C : MOMENTARY CONTAG a, b, : LOWER CASE SU	CT SWITCH JBCRIPT INDICATES A INDEPENDENT	SD SMOKE DAMPER			1 HOMERLIN TO PANEL BOARD, CABINET OR TERMINAL			
* A SLA	CABLING ROUTED TO I.T. ROOM. ASH BETWEEN TWO SUBSCRIPTS INDICATES	1	TO +6" A.F.F.				CONTROLLER WITHII OD : WALL DUAL TECHNO TC : TIME CONTROLLER	N THE WALL CONTROLLER DLOGY OCCUPANCY DETECTION	TYPICAL ZONE NOMENCLATURE:	"N2" DENOTES NOTIFICATION CIRCUIT "4" DENOTES DEVICE NUMBER		BACKBOARD AS INDICATED			
	TE PARAMETERS (EXAMPLE: A/3 DENOTES ABOVE TER MOUNTING. 3 CABLES.)		EMERGENCY	Y PUSHBUTT	ION STATION : +48" A.F.F. U.O.N.					"75" DENOTES CANDELA RATING OF					
▼	INATION TELEPHONE DATA OUTLET. PROVIDE NDUIT STUBBED INTO ACCESSIBLE CEILING SPACE		CODE BLUE S		48" A.F.F. U.O.N.				, <b>Q</b>	STROBE					
	SS NOTED OTHERWISE OUTLET, PROVIDE 1" CONDUIT STUBBED INTO		CENTERED F	BETWEEN TO	OP OF DOOR FRAME AND CEILING				└─── <b>ि</b>			PLUMBING SYSTEM SHI ITDOWN MATRIX			
ACCES	SSIBLE CEILING SPACE UNLESS NOTED OTHERWISE.		CEILING MOL				DISCIPI INF	SYSTFM	ARFA(S) AF		LOCATION			NORMAL HOURS / OFF-HOURS / WEEKENDS	
	HONE OUTLET, PROVIDE 1" CONDUIT STUBBED INTO SSIBLE CEILING SPACE UNLESS NOTED OTHERWISE. 1"										HOT WATE DISCONNE	R DISTRIBUTION TO VAV HOT WATER COILS WILL CTING/RE-CONNECTING HOT WATER TO THE COIL	NEED TO BE SHUT DOWN FOR S. THIS WILL BE A COMBINATION		
	MEDIATE BOXES						MECHANICAL	HOT WATER	PCT 1ST F	FLOOR EX. CORRIE	OR - 1204 OF SHUT-C SHUTOFF	OFFS AT EACH INDIVIDUAL BOX TO RELOCATE VAV WHEN RELOCATING THE VAV HW COIL VALVES. W	BOXES, AS WELL AS, A LARGER L NEED TO FIELD CONFIRM THE	UFF-HOUKS/WEEKENDS/MULTI PLE SHUTDOWNS	PHASED
	MOUNTED DATA DEVICES AT +48", UON	}								ELOOP MECHANIC	LOCATION	OF THE LARGER SHUTOFF. SURE STREAM DISTRIBUTION WILL NEED TO BE S	IUT DOWN FOR THE		
		}									017 INSTALLAT	ION OF NEW HUMIDIFIERS. ED WATER LINE WILL SERVE BOTH MRI EQUIPMEN	T ROOM COOLING UNITS. THE		
01 SHEET I	LIST - ELECTRICAL	}							MRI AF	EQUIP. RO	SHUT DOV	N WILL HAVE TO BE DONE WHEN THE EXISTING M NEED TO BE SHUT DOWN FOR FINAL CONNECTION	RI IS NOT IN USE. S TO NEW DUCTWORK. THIS		ŏ-HUUKS
	NAME	\$					MECHANICAL	AHU-2	PCT 1ST F	FLOOR MECHANIC PTO	AL ROOM SHOULD B 17 HOURS. AI	E DONE JUST BEFORE A WEEKEND TO MINIMIZE S L DUCTWORK BETWEEN FINAL CONNECTIONS SH	HUTDOWN DURING BUSINESS DULD BE COMPLETED PRIOR TO	OFF-HOURS/WEEKEND	1 WEEKEND
ELECTRICAL KEY PLA	AN LOOR DEMO PLAN	ţ									TEMPORA	RY SYSTEM SHUT DOWN WILL BE REQURIED FOR I	IEW CONNECTIONS CONSISTING		
	OR DEMO PLAN	ş					PLUMBING	DOMESTIC COLD WATER	PCT 1ST F	FLOOR OFC-MGR	R PT1113 OF TWO 1/ PLACE IN (	2" COLD WATER LINES AND ONE 1 1/4" LINE. THESI CORRIDOR PT31201.	CONNECTIONS WILL TAKE	OFF-HOURS	8-HOURS
FIRE ALARM FIRST FLOUP	LOOR NEW WORK PLAN	}					PLUMBING	DOMESTIC HOT WATER	PCT 1ST F	FLOOR OFC-MGR	R PT1113 TEMPORA OF ONE 1/2	RY SYSTEM SHUT DOWN WILL BE REQURIED FOR I "HOT WATER LINE. THIS CONNECTION WILL TAKE	IEW CONNECTIONS CONSISTING PLACE IN CORRIDOR PT31201.	OFF-HOURS	8-HOURS
LIGHTING FIRST FLOO POWER FIRST FLOOF	OR NEW WORK PLAN R NEW WORK PLAN	}					PLUMBING	VENT	PCT GROUND FLOOR - PCT RO ARE	OOF NEAR AND IN THE MRI SOILED HOI	LD PT1222 TEMPORA ING 1238 OF AN OFF	RY SYSTEM SHUT DOWN WILL BE REQUIRED FOR I SET OF EXISTING 3" VENT LINE AND A NEW 2" VEN	IEW CONNECTIONS CONSISTING T LINE.	OFF-HOURS	8-HOURS
POWER ROOF PLAN	T PLAN NEW WORK	3					PLUMBING	SANITARY	PCT GROUND FLOOR - PCT RO	OOF NEAR AND IN THE MRI AND MECH-	R PTC1201 TEMPORA AHU EFCC OF A NEW	RY SYSTEM SHUT DOWN WILL BE REQUIRED FOR I 4" SANITARY LINE AND A NEW 3" SANITARY LINE.	IEW CONNECTIONS CONSISTING	OFF-HOURS	8-HOURS
ONE-LINE DIAGRAM		}									TEMPORA	RY SYSTEM SHUT DOWN WILL BE REQUIRED FOR I	IEW MEDICAL GAS		
DETAILS AND SCHED	DULES	ł					PLUMBING	MEDICAL GAS	MRI AF	REA CORRIDOR	CONNECT	ONS CONSISTING OF 3/4" WAGD, 1/2" NITROUS OX AND 1/2" MEDICAL AIR.	UE, 1/2" OSYGEN, 3/4" MEDICAL	OFF-HOURS / WEEKENDS	PHASED
DETAILS AND SCHED DETAILS AND SCHED	DULES	٤					FIRE PROTECTION	WET-SPRINKLER SYSTEM	FIRE PROTECTION	ON ZONE 1-N MRI A	REA REQUIRED	RY SYSTEM SHUT DOWN WITH TEMPORARY SPRIN IN THIS SPACE. THE EXISITNG SPRINKLER BRANC	KLER PROTECTION WILL BE H PIPING WILL BE RE-WORKED		
	DULES	<u>۲</u>										N REQUIRED FOR NEW MPB PANEL CONNECTION.	WILL AFFECT ALL DOWNSTREAM		
		1					ELECTRICAL	NDP-1	MRI AF	REA PTO	040 DEVICES/E OTHER NE	QUIPMENT. TEMPORARY POWER IS TO BE PROVID CESSARY EQUIPMENT RUNNING, VERIFY WITH OW	ED TO KEEP MRI PANEL AND NER IN FIELD.	MULTIPLE SHUTDOWNS	PHASED
l: 16															
: 16							ELECTRICAL	RDP-1	ROO	DF BASEMEN	IT EMER T0041	QUIPMENT. TEMPORARY POWER IS TO BE PROVID	ED TO KEEP MRI PANEL AND	OFF-HOURS.	8 HOURS

![](_page_20_Picture_15.jpeg)

![](_page_21_Figure_0.jpeg)

1/16" = 1'-0"

5' 10' 15' 20'

2' 4' 6' 8' 10' 12'

![](_page_21_Figure_5.jpeg)

1'

![](_page_21_Figure_8.jpeg)

![](_page_21_Figure_9.jpeg)

LEVEL 2 - KEY PLAN (6) 1/16" = 1'-0"

2	<b>'</b>		3'	

1 1/2" 1'

scale accordingly

# **KEYED NOTES**

![](_page_21_Figure_21.jpeg)

![](_page_21_Picture_22.jpeg)

NO

![](_page_21_Picture_25.jpeg)

![](_page_22_Figure_1.jpeg)

![](_page_22_Picture_13.jpeg)

![](_page_23_Figure_0.jpeg)

![](_page_24_Figure_0.jpeg)

![](_page_24_Picture_11.jpeg)

![](_page_25_Figure_0.jpeg)

scale accordingly

![](_page_25_Picture_8.jpeg)

![](_page_26_Figure_1.jpeg)

1/2" _____

![](_page_26_Figure_10.jpeg)

- A. REFER TO SHEET E0.1 FOR DEMOLITION & GENERAL
- . REFER TO SHEET E0.2 FOR KEY PLAN AND ENLARGED ELECTRICAL ROOM LOCATIONS.
- ALL EXISTING WORK SHOWN ON PLAN IS BASED ON AS-BUILT CONDITIONS. VERIFY ALL EXISTING CONDITIONS
- PROVIDE WATER TIGHT SEAL AT CONDUIT PENETRATIONS AT ROOF. REFER TO ROOFING DETAILS ON SHEET E6.1 FOR ADDITIONAL INFORMATION.

![](_page_26_Figure_15.jpeg)

<b>10'</b>	20' 30'	40'		5' 10' 15'	20'	2' 4' 6' 8' 10'	12' 1' 2'	3' 4' 5' 6'		1' 2' ;	 3' 4'	1'
			E	LECTRICAL C	CONDUIT	CABLE SCHEDULE		SYMBOL	SIZE	ÉLÉCTRICA	L ROUGH-IN & DESCRIPTIO	LÉGÉND SC
	GENERAL NO	<u>)TES:</u> FURNISH ALL COND	OUITS WITH INS	ULATED BUSHINGS A	ND PULL STR	INGS. CONDUIT ROUTES SHALL NOT EXCEED FOUR	(4) 90 DEGREE BENDS.			OPENING IN FACE OF VERTI	ICAL DUCT 5'-0" ABOVE F	FINISHED FLOOR IN
								AB	3" DIA.	COORDINATED WITH THE AI	RCHITECT DOCUMENTS.	OF RACEWAY.
			CONDUIT					EPC2/GPA2/SEP2	18" x 18"	GPA2 - ELECTRONIC CABINE GPA2 - GRADIENT POWER A SEP2 - SYSTEM SEPARATOR	ा MPLIFIER २	
NUMBER SIEMENS	SOURCE	DESTINATION	(SIZE/QTY)	CABLE (SIZE/QTY)	LOCATION	DESCRIPTIONS	REMARKS	B	AS REQUIRED	LOCATION FOR CABLES TO	DROP OUT OF BOTTOM	OF RACEWAY.
1	NDP-1	PANEL 'MPB'	REFER SHEET E5.1	REFER SHEET E5.1	ABOVE CEILING	CONDUIT FROM FACILITY POWER TO MAIN PANEL 'MPB'.	<b>k</b>			FLOOR. ALL PARTS ARE TO TO BE VERIFIED WITH THE A	BE NONFERROUS INSID	E THE RF ROOM. EX S. PROVIDE SIEMEN
2	MPB	EMERGENCY POWER OFF (EPO)	(1) 3/4"	3#12, 1#12 GND	CEILING	CONDUIT FROM 'MPB' TO 'EPO'.				PROTECTIVE LIFT UP COVE	R (PART # STI-1200NR O! R (PART # STI-1200NR O! OF EPO. PROVIDE RED [	ACT AND ONE (1) NO R EQUIVALENT) TO F ENGRAVED LABEL TO
						NON-FERROUS WHEN INSIDE MRI EXAM ROOM. ALL CIRCUITS ENTERING INTO MRI EXAM SHALL		EPO	-	POWER OFF". COORDINATE ROUGH-IN.	RECESSED BOX SIZE W	/ITH MANUFACTURE
3	EPO	EPO	(1) 3/4"	3#12, 1#12 GND	ABOVE CEILING	BE ROUTED THROUGH AN RF FILTER. EPO TO TRIP 480V, 3 PHASE MAIN BREAKER IN PANEL		F1	-	SIEMENS RF FILTER PANEL	TO BE MOUNTED ON RF	SHIELDED WALL.
						CONDUIT FROM 'MPB' TO END AT 'CD3' (EPC2) VIA FLEX CONDUIT. THERE MUST BE A DIELECTRIC		MPB MRC	- 4" x 4"	OPENING IN FACE OF RACE	WAY IN SHOWN LOCATIC	TRICAL PLANS. ON.
4	MPB	CD3 (EPC2)	(1) 2"	3#2/0, 1#2/0 GND.		CONNECTION AT THE SIEMENS EPC CABINET.		MS	_	ABOVE FINISHED FLOOR. PE EXIT. EXACT LOCATION TO E	ROVIDE NEATLY FINISHE	ED AND REMOVABLE ARCHITECT DOCUM
5	EPO	UPS	(1) 3/4"	3#12, 1#12 GND	CEILING	CONDUIT FROM 'EPO' TO 'UPS'.				PULL BOX MOUNTED FLUSH	I WITH FINISHED WALL A	AT FLOOR LINE IN SH
6	UPS	CD3 (EPC2)	(1) 2"	BY SIEMENS	CEILING ABOVE	CONDUIT FROM 'UPS' TO 'CD3' (EPC2)	MAXIMUM LENGTH 29 FEET NOT TO EXCEED 54 FT. 75 FOOT	UPS	-	PROVIDED WITH 2" DIA. OPE ALUMINUM LADDER TRAY, N	NING IN FINISHED COVE	ER. DORDINATED WITH S
7	VD1 (MRC)	CD3 (EPC2)	(2) 2-1/2"	BY SIEMENS		CONDUIT FROM 'VD1' (MRC) TO 'CD3' (EPC2)	MAXIMUM CABLE LENGTH.			MANAGER IN THE EXAM RO FOR ACCESS. CABLE TRAY BETWEEN THE FILTER PANE	OM, MAINTAINING MINIM IS REQUIRED TO SUPPO EL AND THE MAGNET A	IIUM 12" CLEARANCE DRT INTERCONNECT 15" MINIMUM CLEAR
9	DS	CD3 (EPC2)	(1) 1/2"	BY SIEMENS	ABOVE	CONDUIT FROM 'DS' TO 'CD3' (EPC2)	NOT TO EXCEED 60 FT. 65 FOOT	CD1	24"x4"	BETWEEN THE TRAY AND TH ABOVE THE MAGNET.	HE RF FILTER PANEL (F1	I). DO NOT LOCATE
		CD1 (WIRES TO	(1) 112		ABOVE	CONDUIT FROM 'MS' TO 'CD1' (WIRES TO MAGNET) TO BE NON-FERROUS WHEN INSIDE THE RF	NOT TO EXCEED 25 FT. 30 FOOT			ALUMINUM LADDER TRAY, N		ORDINATED WITH S
10	MS	MÅGNET)	(1) 3/4"	BY SIEMENS	CEILING	ROOM.	MAXIMUM CABLE LENGTH.	CD2	12"x4"	MANAGER IN EXAM ROOM. A MAINTAINED. DO NOT LOCA	TE THIS CABLE TRAY AE	BOVE THE MAGNET.
11		WCS	(1) 1"	PROVIDED BY CHILLER MANUFACTURER		THERMOSTAT WIRE MEDIX X OR DIMPLEX.	ELECTRICIAN TO MAKE CONNECTIONS WITH MANUFACTURER PROVIDED CABLES			MANAGER IN EXAM ROOM N CABLE LADDER IS REQUIRE	AINTAINING 12" CLEAR	ANCE ABOVE THE TR
	WCIT	003			ABOVE	PROVIDE BETWEEN "MPB" AND "GPA2".	MANOLACTORER TROVIDED CADLES.	CD3	24"x4"	EQUIPMENT ROOM AND THE REQUIRED BETWEEN THE L	ERF FILTER PANEL (F1). ADDER TRAY AND THE F	AN 18" MINIMUM CL FILTER PANEL.
12	MBP	CD3 (GPA2)	(1) 2"	3#1/0, 1#1/0 GND.	CEILING	THROUGH EMT CONDUIT. CONDUIT FROM 'VD1' TO 'AB'. SEE CONDUIT 8 FOR				HORIZONTAL DUCT SURFAC	E MOUNTED ON WALL IF H WALLS. PROVIDE WIF	N CONTROL AREA A RMOLD S4000 SERIES
13	VD1	AB	(1) 2"	BY SIEMENS	IN-WALL	ADDITIONAL OCNDUIT ASSOCIATED WITH 'AB'.	<u> </u>			REMOVABLE COVER FOR CA	ABLE STORAGE. PROVID	DE DIVIDER(S) IN RAG ROVIDE CUT OUTS II
RFFF	RTOA	ARCHITE			IFFT		Ş	HD1	4"x2"	AS DIRECTED BY SIEMENS.		
A0.5 I	OR PI	HASING C	OF THIS	PROJEC [®]	T.		}			VERTICAL DUCT MOUNTED FINISHED CEILING TO FLOO PROVIDE LEGRAND WALL D	FLUSH WITH FINISHED W R LINE PROVIDED WITH	VALL IN CONTROL A REMOVABLE FINISH JAL DUCT FLUSH WI
L							Ş	VD1	10"x3.5"	FROM FINISHED FLOOR TO COVER AND DIVIDER(S) IN F	ABOVE FINISHED CEILIN ACEWAY FOR SEPARAT	IG. PROVIDE WITH F
							}			WATER CHILLER - PROVIDE CHILLER. PROVIDE LIQUID T	PULL BOX MOUNTED AD	DJACENT TO SIEMEN CONDUIT AS REQUIF
							Ş	WCH	_	MANAGER. REFER TO SHEE ENCLOSURE.	T E2.4 FOR CHILLER LO	CATION. INSTALL IN
							È			CHILLER STATUS PANEL - R AND ROUTE 3/4" EMT COND	EMOTE CONTROL DISPL UIT FROM CHILLER LOC	AY SHALL BE WALL ATION TO DISPLAY F
							Ş	WCS	_	CONNECTOR CORD PACKAG AS REQUIRED. COORDINATI PANEL.	3ED WITH CHILLER UNIT E WITH ARCHITECT FOR	CONNECT CHILLER
				(2.7)			4					5
			•									
									*****			
										CH	1 CONTROLS	
								RK IN			1235	
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												En mar
					ESSING	N1A-MRI					(TYP) [	
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					TLT.	CORRIDOR ZONE 2				MRI ZONE 3		3
					1226	1228		र वा -	~	1232		(DS)(4)
					FD \							
									× ` ]			
					0 0	WAITING	MR	RI ZONE 2	HOLDING BAY	HOLDING BAY		
								1231	1233	1234	LINEN	
			L		7						1236	
					ľ							
		\ //									// 1	

![](_page_27_Figure_7.jpeg)

![](_page_27_Figure_12.jpeg)

07-09-2024

![](_page_27_Picture_17.jpeg)

![](_page_28_Figure_0.jpeg)

6'	8'	10'	12'	1'	2'	3'	4'	5'	6'	1'	2	2'	3'	4'		
	PROV	IDE GRO	OUNDING BUSHINGS FOI	R ALL METALI	_IC											
۵.	RACE FEEDI — COND BUSH FITTIN USE C	WAYS A ER RACE UITS AN ING IS N IGS ARE OF COMF	T BOXES AND EQUIPME EWAYS 1 1/4" AND LARG ID FOR BRANCH CIRCUI OT REQUIRED, PROVIDE SUITABLE FOR GROUN PRESSION FITTING NOT	NT ENCLOSU ER. FOR SMA TS, THE GROI ED THE META DING. ACCEPTABLE	RES FO LLER JNDING LLIC	R						FEEDE	ER NUMBE	ĪR	OTAL SETS	
	—PULL,	JUNCTI	ON, OR SPLICE BOXES								_		25(	0/-/G	⊢ 1	+
	AT AL 1										_		125	5/-/G	1	+
_	NEC T	ABLE 25	10103 SIZE JUNIPERS IN 50.122	ACCORDANC									100	0/-/G	1	
													2(	0/-/G	1	
- <b></b>	-META	LIC FEE	EDER CONDUITS													
	—INSUL WITH	ATED G PHASE (	ROUNDING CONDUCTO CONDUCTORS	R ROUTED IN	RACEW	/AY										
-	—SERV	CE ENT	RANCE EQUIPMENT													
	—BOND	GROUN	ID BUS TO ENCLOSURE													
	- GROU WHEN EXTEN BUS IN	ND BUS SHOWI ND GROU N SERVIO	ON WALL IN SERVICE E N ON PLANS. IF NOT SH UNDING ELECTRODE CO CE EQUIPMENT	NTRANCE RC OWN ON PLA ONDUCTORS	OOM NS, TO GRO	OUND										
• •			GROUNDING ELEC	TRODE CONI BLE 250.66	DUCTOR	र										
		_	TELECOMMUNICA BUS (TMGB)	FIONS MAIN G	ROUND	DING										
		<u> </u>	METAL UNDERGRO NEC 250.52(A)(1)	OUND WATER	PIPE PI	ER										
	R	<b>_</b>	10' LONG X 3/4" DIA GROUND RODS (O THICK COPPER PL 250.52(A)(5) & (A)(7	METER COPI R 2' SQUARE ATES) PER NI )	PERCLA X 1/4" EC	١D										

			1 1/2"			J <b>3''</b>	
	2'	3'			1'	2'	1'
E	EDER S	CHEDU	LE			#	KEYED NOTES
-	EQUIPMENT GROUNDING CONDUCTOR IN EACH SET	EMT CONDUIT SIZE (INCHES FOR EACH SET)	RMC CONDUIT SIZE (INCHES FOR EACH SET)	PVC 40 CONDUIT SIZE (INCHES FOR EACH SET)	REMARKS	1.	EXISTING 100A SPARE CIRCUIT BREAKER FOR NEW CHILLER 2. NEW 250A, 3 POLE BREAKER TO BE ADDED. ORIGINAL SPECTRA BREAKERS ARE NO LONGER MADE PROVIDE
	4	2	2	2	2 1/2 PVC 80		RETROFIT KIT Tmax XT BREAKER. IT HAS BEEN VERIFIED
	6	1 1/4	1 1/4	1 1/4	1 1/2 PVC 80		BY THE OWNER THAT THE DISTRIBUTION PANEL HAS
	8	1 1/4	1 1/4	1 1/4	1 1/2 PVC 80		THE CAPACITY TO ADD A BREAKER. SPECIFICATIONS
	12	3/4	3/4	3/4			TO MATCH EXISTING EQUIPMENT PARAMETERS.
						3. 4.	PROVIDE SHUNT TRIP BREAKER. BREAKER SHALL TRIP UPON ACTIVATION OF ANY EPO BUTTON. VERIFY WITH SIEMENS EQUIPMENT PROVIDER ON EXACT BREAKER REQUIREMENTS AND COORDINATE

5	

	200A 100A THIRD LEVEL ROOF
	THIRD LEVEL
	¢-( <u>100/-/</u> G)
4 4	SECOND LEVEL
ISTING EPC GPA CHINE 100AT 150AT 250AT EXISTING MP PANEL RM 1229 NEW EPC2 GPA2 MRI MACHINE 100AT 150AT 3 250AT 6 MPB PANEL RM 1229 RM 1237	FIRST LEVEL
G 7 7 0-(250/-/G) BY HAS	FROM EXISTING 'PCT-1' ING 'PCT-1' ING 'PCT-1' ING 'PCT-1' ING 'PCT-1' ING 'PCT-1' ING 'PCT-1' ING 'PCT-1' ING 'PCT-1' ING 'PCT-1'
250AF 2 250AF 5 225AF	8 125AF 100AF 150AF 150AF
DRMAL DISTRIBUTION PANEL DUND LEVEL PT0040) 77V, 3Ø, 4W, 85KAIC	EXISTING RADIOLOGY DISTRIBUTION PANEL 'RDP-1' (GROUND LEVEL PT0041) 1200A, 480/277V, 3Ø, 4W, 85KAIC

WIRE SIZES IF DIFFERENT FROM WHAT'S SHOWN ON

5. SPARE 225A, 3 POLE BREAKER TO BE ADDED FOR

SPECIFICATIONS TO MATCH EXISTING EQUIPMENT

6. PROVIDE MRI GROUNDING SYSTEM PER DETAIL 5/E6.2.

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MAXIMUM OUTAGE ON EXISTING MRI FEEDER TO BE

. BRANCH CIRCUITS/FEEDERS ASSOCIATED WITH PANEL

COORDINATE ALL OUTAGES TO PANELS/EQUIPMENT

mmmmmmmmm

SERVES EXISTING MRI MACHINE (MRI 1230).

WITH OWNER PRIOR TO WORK.

FUTURE. RETROFIT KIT Tmax XT BREAKER.

SHEET E2.5 CONDUIT SCHEDULE.

PARAMETERS.

1-HOUR.

If this sheet is not 30"x42" it is a reduced print -

![](_page_28_Picture_13.jpeg)

_____

NO.

![](_page_29_Figure_0.jpeg)

**1/16"** 

1/8" |

![](_page_29_Figure_5.jpeg)

![](_page_30_Figure_0.jpeg)

![](_page_30_Figure_9.jpeg)

![](_page_30_Figure_11.jpeg)

FILING MOUNT		EVTEDIOD					LENS TYPE /			YPE/COLOR:		PERATURE (K)		COLOR	RENDER INDEX (CRI):	VOL		
REC - RECES SUR - SURFA SEMI - SEMI STR - STRUT	SED CE RECESSED	W - WALL		ACT - ACOUSTIC CEILING TILE GYP - GYPSUM BOARD CEILING EXP - EXPOSED	# - HOURS IC - INSULATED CR - CHICAGO R DAMP OR WET	CONTACT ATED	#T - TEMP #AC - ACY OPTIONS:	EERED GLASS LIC	DG - IP - I AM -	DOUBLE GASKE NGRESS PROTEC	T R CTION W	GB 'T (#K-#K) - WH (#K-#K) (	TE TUNING COLOR RANGE	TM-30 (C ( Rf / F Rf - FI	CHROMATICITY): Rg / Rfh1 / Rcshr) IDELITY INDEX	1 2 2 4	20V S 20V S 28V 77V DIM 30V V	STEP (0%, 5 MING: W - WIRELE
USPENDED M AC-# - AIRCF CH-# - CHAIN RP-# - ROD F CP-# - COND (#FT) - DISTA (#AFF) - ABO	DUNTING: AFT CABLE HUNG ENDANT JIT PENDANT NCE FROM CEILING /E FINISH FLOOR			EXAMPLE: REC-GYP EX RECESSED GYPSUM BOARD CEILING	AMPLE: IC-1.5FR INSULATED CC FIRE RATED FC	ONTACT WITH DR 90 MINUTES	# - 0.125, C	D.156, ETC						Rg - R Rfh1 - Rcsh1	RELATIVE GAMUT INDE FIDELITY INDEX, HUE I - CHROMA SHIFT, HU	EX E-BIM JE-BIM	C E E F (#%	0-10V DMX DALI PC - PHASE 6) - MIN DIN
				FIXTURE INFOMATION						LED / LAMI				DRIVER / I	BALLAST INFOMATION	N		
RB TYPE	MANUFACTURER	MODEL FEQ2	2'X4' DIREC REFLECTOF	DESCRIPTION T/INDIRECT LUMINAIRE, RECESSED, STEEL R FINISHED IN MATTE SATIN WHITE, FROSTED	MOUNTING REC-ACT	LISTING	LENS	TRIM MATTE SATIN WHITE	LUMENS	DISTRIBUTIO	N TEMP (K) 3500	80 CRI	VOLTAG	E VA 42	CONTROL	EMERGENC	SALVAGED FIXTURE BE	EING REUS
1E(S)	FOCAL POINT	FEQ2	WHITE ACR LENS. ONE HOUSING, L SAME AS 'A	YLIC DIFFUSER, CENTER SHIELDING ACRYLIC PIECE 24 GAUGE STEEL REFLECTOR AND JL LISTED. 1'	REC-ACT		OPAL ACRYLIC LENS	S MATTE SATIN	4000		3500	80	277 V	42	0-10V (10%)	LIFE SAFETY	SALVAGED FIXTURE BE	EING REUS
2(S)	FOCAL POINT	FEQ2	SAME AS 'A	1', BUT WITH SMALLER LUMEN OUTPUT.	REC-ACT		OPAL ACRYLIC LENS	WHITE 6 MATTE SATIN WHITE	3000		3500	80	277 V	32	0-10V (10%)	CIRCUIT	A1(S) EXCEPT ON EMER SALVAGED FIXTURE BE	RGENCY C EING REUS
1	FOCAL POINT	FEQ2	2'X2' DIREC REFLECTOF WHITE ACR LENS, ONE	T/INDIRECT LUMINARE, RECESSED, STEEL R FINISHED IN MATTE SATIN WHITE, FROSTED YLIC DIFFUSER, CENTER SHIELDING ACRYLIC PIECE 24 GAUGE STEEL REFLECTOR AND	REC-ACT		OPAL ACRYLIC LENS	8 MATTE SATIN WHITE	3500		3500	80	<varies></varies>	36	0-10V (10%)		DUST COVER	
1E	FOCAL POINT	FEQ2	2'X2' DIREC REFLECTOF WHITE ACR	JL LISTED. T/INDIRECT LUMINARE, RECESSED, STEEL R FINISHED IN MATTE SATIN WHITE, FROSTED YLIC DIFFUSER, CENTER SHIELDING ACTYLIC	REC-ACT		OPAL ACRYLIC LENS	6 MATTE SATIN WHITE	3500		3500	80	UNV	36	0-10V (10%)	LIFE SAFETY CIRCUIT	DUST COVER	
:1	KENALL	MRIDL6	6" LED DOW	PIECE 24 GAUGE STEEL REFLECTOR AND	REC-ACT			DIE CAST ALUMINUM IN	2847	MEDIUM	4000	80	UNV	37	0-10V (1%)		DUST COVER. PROVIDE	E (1) DIMMI FR SHALL F
			REFLECTOF FINISH, UL I 24VDC SER FILTER LOC	R WITH CLEAR SEMI-SPECULAR, ANODIZED ISTED. FIXTURES WILL BE POWERED BY VED BY REMOTE POWER SUPPLIES WITH EMI CATED IN THE MRI EQUIPMENT ROOM. PROVIDE	<b>X</b>			FLAT WHITE								Ş	SHIELDING CONTRACT	
2E	KENALL	MRIDL6	6" LED DOW NON-FERRO	POWER SUPPLY. NLIGHT WITH SEALED REGRESSED LENS, DUS CONSTRUCTION, SPUN ALUMINUM	REC-ACT			DIE CAST ALUMINUM IN	2002	MEDIUM	4000	80	UNV	27	0-10V (1%)	LIFE SAFET CIRCUIT	DUST COVER. PROVIDE MRIFD-1A. ALL RF FILTE	E (1) DIMMI ER SHALL E
			FINISH, UL I 24VDC SER FILTER LOC	ISTED. FIXTURES WILL BE POWERED BY VED BY REMOTE POWER SUPPLIES WITH EMI ATED IN THE MRI EQUIPMENT ROOM. PROVIDE														UR.
1	FOCAL POINT	FLC44D	DOWNLIGH WHITE FLAN	OPOWER SUPPLY. CHAREA ED FLERMALLY PROTECTED T. RECESSED, SINGLE MOLDED UNIT WITH NGE, DIE-FORMED ALUMINUM REFLECTOR. UL	REC		WHITE	WHITE	1500	50 DEG.	3500	80	<varies></varies>	19	0-10V (10%)	}	DUST COVER	
1	OCL	EL1	3"X2.53"X24 SCONCE LL	"BRUSHED ALUMINUM WALL MOUNTED LED MINAIRE, WHITE REFLECTOR AND WHITE	SURFACE WALL		MATTE WHITE ACRYLIC	MATTE WHITE	<b>)</b> 950		3500	80	UNV	15 15	0-10V (1%)		SALVAGED FIXTURE BE CENTERED ABOVE VAN	EING REUS NITY MIRRC
1/6)		75R	4'-0" LENGT	NS, 1 [°] WIDE TRIM WITH DIE-CAST ENDS, 3/16° RUDED VIRGIN WHITE ACRYLIC LENS. H LINEAR STRIP FIXTURE WITH SQUARE LENS.	SUSPENDED			WHITE	2916		3500	80		20	0-10V (10%)			
2(S)	SURE-LITE	LPX7	HOUSING, S DOUBLE RE	DAGLE ALLE DE SALVER L'ADAVIER DAVIEN SELF-DIAGNOSTICS. D FACE LED EXIT SIGN. SELF-POWERED.	REC-ACT								UNV	1			SALVAGED FIXTURE BE	
JMINAIRE SCH UNLESS ( LIGHT FI)	IEDULE GENERAL NO OTHERWISE STATED TURE SHOP DRAWIN	OTES: IN REMARKS. ALL NG AND LIGHTING C	FIXTURES ARE L	.ED. DRAWING SUBMITTAL SHALL BE SUBMITTED /	AT THE SAME TIM	E. APPROVAL V	WILL NOT BE GRANTE	ED UNTIL BOTH A	RE REVIEWE	D.			S-	"INDIVIDUAL Z(		ER". REFER TO		
UMINAIRE SCH UNLESS ( LIGHT FIX REFER T( ALL RECE MUST TH	IEDULE GENERAL NO OTHERWISE STATED TURE SHOP DRAWIN O ARCHITECTURAL D SSED DOWNLIGHTS EN FIT FLUSH TO THI	OTES: IN REMARKS. ALL NG AND LIGHTING C DOCUMENTS FOR E SHALL HAVE SELF E CEILING PLANE/T	FIXTURES ARE L CONTROL SHOP XACT MOUNTING -FLANGED REFL HROAT. NO LIGI	ED. DRAWING SUBMITTAL SHALL BE SUBMITTED / G LOCATIONS OF LUMINAIRES AND CEILING T ECTORS U.O.N. AND SHALL BE INSTALLED SC HT LEAK MUST BE VISIBLE. ALL MISCELLANEC	AT THE SAME TIM YPES. 9 THAT THE BOTTO DUS HARDWARE 7	E. APPROVAL N OM OF THE TH ABOVE THE CE	WILL NOT BE GRANTE ROAT IS EVEN WITH ⁻ EILING PLANE TO ACC	ED UNTIL BOTH A THE FINISHED CE COMPLISH THE AE	RE REVIEWE ILING PLANE OVE SHALL I	D. . THE OVERLAPI 3E INCLUDED IN	PING FLANGE THE BASE BID.		S - D - P - M/	"INDIVIDUAL ZO "INDIVIDUAL D "PRESET SCEN N - MANUAL CO	ONE WALL CONTROLL IMMING ZONE WALL C IE CONTROLLER". NUI ONTROL. OCC - C	LER". REFER TO CONTROLLER". MBER INDICATE DCCUPANCY ON AREA DESCRI	P FLOOR PLAN FOR QUANT EACH ZONE SHALL ITS OW S QUATITY OF PRESET SC AND / OR VACANCY OFF. PTION	TITY OF Z WN INDEP CENE CON . TC -
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#T - TEMPE #AC - ACYL TIONS: # - 0.125, 0.	IC IC 156, ETC		DG - DC IP - ING AM - AN	DUBLE GASKET RESS PROTEC TIMICROBIAL	TION	кдв WT (#К-#К) - Wł (#К-#К)	HITE TUNING COLOR RANGE	TM-30 ( ( Rf - Rg - Rfh1 Rcsh	(CHROMATICITY): / Rg / Rfh1 / Rcshr ) FIDELITY INDEX RELATIVE GAMUT INDE I - FIDELITY INDEX, HUE h1 - CHROMA SHIFT, HU	EX E-BIM JE-BIM	120V 208V 277V 480V	STEP (0%, 50%, 1 DIMMING: W - WIRELESS 0-10V DMX DALI PC - PHASE CON (#%) - MIN DIMMING
NS	TRIM		MENS									REM
		LU		DISTRIBUTION			VOLIAOL	۷۸	CONTROL			
YLIC LENS	MATTE SATIN WHITE	4000	-		3500	80	277 V	42	0-10V (10%)		SALVAGED FIX	TURE BEING REUSED IN
YLIC LENS	MATTE SATIN WHITE	4000			3500	80	277 V	42	0-10V (10%)	LIFE SAFE CIRCUIT	TY SALVAGED FIX A1(S) EXCEPT	TURE BEING REUSED IN
YLIC LENS	MATTE SATIN WHITE	3000	-	-	3500	80	277 V	32	0-10V (10%)		SALVAGED FIX	TURE BEING REUSED IN
YLIC LENS	MATTE SATIN WHITE	3500	-	-	3500	80	<varies></varies>	36	0-10V (10%)		DUST COVER	
YLIC LENS	MATTE SATIN WHITE	3500			3500	80	UNV	36	0-10V (10%)	LIFE SAFE CIRCUIT	TY DUST COVER	
	DIE CAST ALUMINUM IN FLAT WHITE	2847	1	MEDIUM	4000	80	UNV	37	0-10V (1%)		DUST COVER. MRIFD-1A. ALL SHIELDING CC	PROVIDE (1) DIMMING FIL RF FILTER SHALL BE PRO INTRACTOR.
	DIE CAST ALUMINUM IN FLAT WHITE	2002		MEDIUM	4000	80	UNV	27	0-10V (1%)	LIFE SAFE CIRCUIT	T DUST COVER. MRIFD-1A. ALL SHIELDING CC	PROVIDE (1) DIMMING FIL RF FILTER SHALL BE PRO NTRACTOR.
	WHITE	1500	ł	50 DEG.	3500	80	<varies></varies>	19	0-10V (10%)		DUST COVER	
$\sim$	$\sim$		$\sim$	$\cdots$		<u> </u>		-			A	
IIIE	MATTEWHITE	950	ŀ		3500	80	UNV	15	0-10V (1%)		SALVAGED FIX CENTERED AB	OVE VANITY MIRROR.
	WHITE	2916			3500	80	UNV	20	0-10V (10%)			
uu	un	m	m	mm	m	mun	and WANKaran	in	mann	mun	CALE SALVAGEDED	TUREBEING REUGED IN
								1				
			-				UNV	1			SALVAGED FIX	I UKE DEING KEUSED IN

STARTER ACCES
HOAP - HOA W
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SPECIFICATION [
DIVISION 14 - C
DIVISION 21 - F
DIVISION 22 - F
DIVISION 23 - N
DIVISION 26 - E

			DISCONNECT	SWITCH AT EQUI	PMENT						STARTER						
M	BRANCH CIRCUIT	TYPE	NEMA ENCLOS. TYPE	SWITCH/ FUSE SIZE	FURN. BY	INST. BY	CONN. BY	NEMA SIZE	NEMA ENCLOS. TYPE	TYPE	BREAKER/ TRIP	ACCES.	FURN. BY	CONN. BY	CONTROL WIRING	NOTES	
INE	SEE ONE-LINE	NF	3R	100A/-	26	26	26	-	3R	PWCP	-	-	OWNER	26	26	3	
۸N	(2)#12,#12G.,3/4"C.	TOG	1	30A/-	23	23	26	-	1	PWCP	-	-	23	26	23	4	
NN	(2)#12,#12G.,3/4"C.	TOG	1	30A/-	23	23	26	-	1	-	-	-	-	-	-	5	
	(2)#12.#12G3/4"C.	TOG	1	30A/-	23	23	26	-	1	-	-	-	-	-	-	5	-

![](_page_31_Figure_28.jpeg)

ENDENT CONTROLLER CAPABLE OF ON, OFF AND DIMMING WITIN THE WALL CONTROLLER. REFER TO FLOOR PLAN FOR QUANTITY OF ZONES SHOWN IN THE AREA. ITROLS. EACH PRESET SCENE SHALL EACH BE CAPABLE OF TURNING SCENE ON, OFF AND DIM.

WALL			AUT	OMATIC	CONTR	OLS			
ITROLL	.ER	ON	I (X=100	%)	0	FF (X=0%	%)	]	
D	Р	MAN	000	TC	MAN	000	TC	ETD	REMARKS
			Х			Х		X	
		Х			Х				
			Х			Х			
			Х		Х	50%		X	
Х		Х				Х		Х	
Х		Х			Х				
X			X		X	50%		X	

SUBMITTAL FOR APPROVAL.

CONTROLLERS IN THE INTERIOR SIDE OF THE SPACE SERVED. ROOM

## - FIRE PROTECTION - PLUMBING MECHANICAL

![](_page_32_Picture_1.jpeg)

10' 20' 30' 40'

0' 12	2' 1' 2	2' 3'	4'	5'	6'				1'	2	2'	3' 4'		1
	New Panel: MPB Location: Supply From: NDP-1 Mounting: SURFACE Enclosure: NEMA 1					Volts: Phases: Wires:	480/277 3 4	,				A.I.C. Rating: 10,000 A Mains Type: MCB Mains Rating: 400 MCB Rating: 250 A	Α	
	Circuit Description	Trip	Doloo		A	E	3	C	;	Doloo	Trin	Circuit D	accription	CKT
	Circuit Description	пр	Foles	29300			<b>A</b> )		<b>~</b> )	Foles	пр	Circuit D	escription	2
*EPC2	2	150	3			29300	0			3	100	*GPA2**		4
								29300	0					6
SPAC			1							1		SPACE		8
SPAC	· <u> </u>		1							1		SPACE		10
SPAC	:E		1							1		SPACE		12
SPAC	E		1							1		SPACE		16
SPAC	Ε		1							1		SPACE		18
SPAC	E		1							1		SPACE		20
SPAC			1							1		SPACE		22
SPAC	E	 Totol I		00	200		000			1		SPACE		24
		Totar	tal Amps:	29	06	293	)6	293	900 )6	-				
												Panel	Totals	
	E EXACT FINALE REQUIREMENTS FOI			ENT PA	NEL WIT	H SIEMEI	NS PRIC	DR TO OF	RDER.			Total Conn Lood (M)	97000	
R TO C	NE-I INE DIAGRAM FOR ADDITIONAL I	NFORMAT	мрв. TION								-	Total Est. Demand (W):	87900	
TY FINA	L CIRCUITRY WITH SIEMENS PRIOR T	O PURCH	ASE AND	INSTALI	L. COOR			SO VERIF	Y WITH			Total Conn. (A):	106	
	JLES.											Total Est. Demand (A):	106	
Ex	Location:					Volts:	480/277	,				A.I.C. Rating: UNKNO	WN	
Ex	Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1					Volts: Phases: Wires:	480/277 3 4	,				A.I.C. Rating: UNKNO Mains Type: MLO Mains Rating: 125 MCB Rating: N/A	WN	
Ex	Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1	Trip	Poles	()	A VA)	Volts: Phases: Wires: E	480/277 3 4 <b>3</b> <b>A</b> )	, (V,	<b>2</b> A )	Poles	Trip	A.I.C. Rating: UNKNO Mains Type: MLO Mains Rating: 125 MCB Rating: N/A Circuit D	WN	СКТ
EXIST	Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1	<b>Trip</b> 20 20	Poles	(\\ 0	A VA)	Volts: Phases: Wires: E (V	480/277 3 4 <b>3</b> <b>A</b> )	, (V.	; A )	Poles	Trip 60	A.I.C. Rating: UNKNO Mains Type: MLO Mains Rating: 125 MCB Rating: N/A Circuit D	WN	СКТ 2 4
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EXIST EXIST EXIST EXIST EXIST EXIST EXIST SPAR SPAR SPAR SPAR SPAR SPAR SPAR SPAR	A Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1 Circuit Description TING LOAD TING LOAD	Trip           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20	Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A VA) 0 336 0 336 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Volts: Phases: Wires: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	480/277 3 4 3 3 4 3 3 4 0 0 0 0 0 0 0 0 0 0 0 0			Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trip           60           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20	A.I.C. Rating: UNKNO Mains Type: MLO Mains Rating: 125 MCB Rating: N/A Circuit D EXISTING LOAD MRI AREA RMS 1224 - SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	WN	CKT           2           4           6           17 LTS           10           12           14           16           18           20           22           24           30           32           34           36           38           40           42
EXIST EXIST EXIST EXIST EXIST EXIST EXIST SPAR SPAR SPAR SPAR SPAR SPAR SPAR SPAR	A Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1 Circuit Description TING LOAD TING LOAD TING LOAD TING LOAD TING LOAD TING LOAD E E E E E E E E E E E E E	Trip         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20 <td>Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td></td> <td>A ✓A) 0 3336 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>Volts: Phases: Wires: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>480/277 3 4 3 4 3 3 4 3 7 7 7 7 7 7 7 7 7 7 7</td> <td></td> <td><b>A</b>) 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>Trip 60 20 20 20 20 20 20 20 20 20 20 20 20 20</td> <td>A.I.C. Rating: UNKNO Mains Type: MLO Mains Rating: 125 MCB Rating: N/A Circuit D EXISTING LOAD MRI AREA RMS 1224 - SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE</td> <td>WN</td> <td>CKT         2         4         6         17 LTS         10         12         14         16         18         20         22         24         26         28         30         32         34         36         38         40         42</td>	Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A ✓A) 0 3336 0 0 0 0 0 0 0 0 0 0 0 0 0	Volts: Phases: Wires: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	480/277 3 4 3 4 3 3 4 3 7 7 7 7 7 7 7 7 7 7 7		<b>A</b> ) 0 0 0 0 0 0 0 0 0 0 0 0 0	Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trip 60 20 20 20 20 20 20 20 20 20 20 20 20 20	A.I.C. Rating: UNKNO Mains Type: MLO Mains Rating: 125 MCB Rating: N/A Circuit D EXISTING LOAD MRI AREA RMS 1224 - SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	WN	CKT         2         4         6         17 LTS         10         12         14         16         18         20         22         24         26         28         30         32         34         36         38         40         42
EXIST EXIST EXIST EXIST EXIST EXIST EXIST SPAR SPAR SPAR SPAR SPAR SPAR SPAR SPAR	A Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1 Circuit Description TING LOAD TING LOAD TING LOAD TING LOAD TING LOAD TING LOAD E E E E E E E E E E E E E	Trip         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20 <td>Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td></td> <td>A VA) 0 336 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>Volts: Phases: Wires: Vires:</td> <td>480/277 3 4 3 7 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td></td> <td>A)       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0</td> <td>Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td><b>Trip</b> 60 20 20 20 20 20 20 20 20 20 20 20 20 20</td> <td>A.I.C. Rating: UNKNO Mains Type: MLO Mains Rating: 125 MCB Rating: N/A Circuit D EXISTING LOAD MRI AREA RMS 1224 - SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE</td> <td>WN  Pescription  1238 EMER. &amp; EX</td> <td>CKT         2         4         6         11 LTS         10         12         14         16         18         20         22         24         26         28         30         32         34         36         38         40         42</td>	Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A VA) 0 336 0 0 0 0 0 0 0 0 0 0 0 0 0	Volts: Phases: Wires: Vires:	480/277 3 4 3 7 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7		A)       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>Trip</b> 60 20 20 20 20 20 20 20 20 20 20 20 20 20	A.I.C. Rating: UNKNO Mains Type: MLO Mains Rating: 125 MCB Rating: N/A Circuit D EXISTING LOAD MRI AREA RMS 1224 - SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	WN  Pescription  1238 EMER. & EX	CKT         2         4         6         11 LTS         10         12         14         16         18         20         22         24         26         28         30         32         34         36         38         40         42
EXIST EXIST EXIST EXIST EXIST EXIST EXIST SPAR SPAR SPAR SPAR SPAR SPAR SPAR SPAR	A Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1 Circuit Description TING LOAD TING LOAD TING LOAD TING LOAD TING LOAD TING LOAD E E E E E E E E E E E E E	Trip         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20 <td>Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td></td> <td>A VA) 0 336 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>Volts: Phases: Wires: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>480/277 3 4 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td></td> <td></td> <td>Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>Trip 60 20 20 20 20 20 20 20 20 20 20 20 20 20</td> <td>A.I.C. Rating: UNKNO Mains Type: MLO Mains Rating: 125 MCB Rating: N/A Circuit D EXISTING LOAD MRI AREA RMS 1224 - SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE</td> <td>WN  Pescription  1238 EMER. &amp; EX</td> <td>CKT         2         4         6         17 LTS       8         10       12         14       16         18       20         22       24         26       28         30       32         34       36         38       40         42       42</td>	Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A VA) 0 336 0 0 0 0 0 0 0 0 0 0 0 0 0	Volts: Phases: Wires: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	480/277 3 4 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trip 60 20 20 20 20 20 20 20 20 20 20 20 20 20	A.I.C. Rating: UNKNO Mains Type: MLO Mains Rating: 125 MCB Rating: N/A Circuit D EXISTING LOAD MRI AREA RMS 1224 - SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	WN  Pescription  1238 EMER. & EX	CKT         2         4         6         17 LTS       8         10       12         14       16         18       20         22       24         26       28         30       32         34       36         38       40         42       42
EXIST EXIST EXIST EXIST EXIST EXIST EXIST SPAR SPAR SPAR SPAR SPAR SPAR SPAR SPAR	A Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1 Circuit Description TING LOAD TING LOAD	Trip         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20         20 <td>Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td></td> <td>A VA) 0 336 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>Volts: Phases: Wires: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>480/277 3 4 3 3 4 3 3 4 0 0 0 0 0 0 0 0 0 0 0 0</td> <td></td> <td><b>A</b>) 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td><b>Trip</b> 60 20 20 20 20 20 20 20 20 20 20 20 20 20</td> <td>A.I.C. Rating: UNKNO Mains Type: MLO Mains Rating: 125 MCB Rating: N/A Circuit D EXISTING LOAD MRI AREA RMS 1224 - SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE</td> <td>WN  Pescription  1238 EMER. &amp; EX</td> <td>CKT         2         4         6         112         14         16         18         20         22         44         10         12         14         16         18         20         22         24         26         28         30         32         34         36         38         40         42</td>	Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A VA) 0 336 0 0 0 0 0 0 0 0 0 0 0 0 0	Volts: Phases: Wires: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	480/277 3 4 3 3 4 3 3 4 0 0 0 0 0 0 0 0 0 0 0 0		<b>A</b> ) 0 0 0 0 0 0 0 0 0 0 0 0 0	Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>Trip</b> 60 20 20 20 20 20 20 20 20 20 20 20 20 20	A.I.C. Rating: UNKNO Mains Type: MLO Mains Rating: 125 MCB Rating: N/A Circuit D EXISTING LOAD MRI AREA RMS 1224 - SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	WN  Pescription  1238 EMER. & EX	CKT         2         4         6         112         14         16         18         20         22         44         10         12         14         16         18         20         22         24         26         28         30         32         34         36         38         40         42
EXIST EXIST EXIST EXIST EXIST EXIST EXIST SPAR SPAR SPAR SPAR SPAR SPAR SPAR SPAR	A MPS OR 10.6kVA OF DEMAND BASI	Trip 20 20 20 20 20 20 20 20 20 20 20 20 20	Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	( \ 0 0 0 0 0 0 0 0 0 0 0 0 0	A /A) 0 336 0 0 0 0 0 0 0 0 0 0 0 0 0	Volts: Phases: Wires: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	480/277 3 4 3 3 4 3 3 4 0 0 0 0 0 0 0 0 0 0 0 0			Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>Trip</b> 60 20 20 20 20 20 20 20 20 20 20 20 20 20	A.I.C. Rating: UNKNO Mains Type: MLO Mains Rating: 125 MCB Rating: N/A Circuit D EXISTING LOAD MRI AREA RMS 1224 - SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	WN	CKT         2         4         6         17 LTS         10         12         14         16         18         20         22         24         36         38         40         42
EXIST EXIST EXIST EXIST EXIST EXIST EXIST SPAR SPAR SPAR SPAR SPAR SPAR SPAR SPAR	A MPS OR 10.6kVA OF DEMAND BASS	Trip 20 20 20 20 20 20 20 20 20 20 20 20 20	Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	( \ 0 0 0 0 0 0 0 0 0 0 0 0 0	A ✓A) 0 336 0 0 0 0 0 0 0 0 0 0 0 0 0	Volts: Phases: Wires: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	480/277 3 4 3 3 4 3 3 4 3 3 4 3 3 3 3 3 3 3 3			Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>Trip</b> 60 20 20 20 20 20 20 20 20 20 20 20 20 20	A.I.C. Rating: UNKNO Mains Type: MLO Mains Rating: 125 MCB Rating: N/A Circuit D EXISTING LOAD MRI AREA RMS 1224 - SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	WN	CKT         2         4         6         17 LTS         10         12         14         16         18         20         22         24         26         28         30         32         34         36         38         40         42

	Existing Distribution Doard. NDI -1				
	Location: ELEC T0041 (BASEMENT)	Volts: 277/480	V/3PH/4W	A.I.C. Rati	ng: 100K
	Supply From: PCT1 Mounting: SURFACE	Phases: 3 Wires: 4		Mains Ty∣ Mains Ratiı	pe: MLO na: 1200 A
	Enclosure: NEMA 1			MCB Rati	ng: N/A
E.	Circuit Description Circuit Secretaria Circuit Description	3	100	Load 0	Remarks
E.	XISTING LOAD	3	100	310500	BASED ON DATA FROM UNIVERSITY
E. E.	XISTING NB1 XISTING N22	3	225	0	
E.	XISTING N42	3	225	0	
E.	XISTING N12 XISTING N32	3	225	0	
E	XISTING N72	3	225	0	
E.	XISTING N52 XISTING N82	3	225	0	
E.	XISTING CT1 EDGE T1367	3	225	0	
E.	XISTING PANEL MP ROOM 1229 (MRI EQUIPMENT PANEL 1ST FLOOR)	3	250 250	0	
S	PARE BREAKER	3	225	0	
S	PACE	1			
S	PACE	1	 		
S	PACE	1			
S	PACE	1 1			
_				398400	
				479	Panel Totals
(IS	TING / BOLD = NEW WORK S THE CURRENT PEAK I OAD MEASURED BY THE LINIVERSITY (210 54/14)			Total Conn Total Est Do	. Load (W): 398400
SE	NT 373A.			Total	I Conn. (A): 479
				Total Est. D	emand (A): 479
	Existing Distribution Board: RDP-1				
	Location: ELEC T0040 Supply From:	Volts: 480/277 Phases: 3		A.I.C. Ratii Mains Tw	ng: 100K pe: MLO
	Mounting: SURFACE	Wires: 4		Mains Rati	ng: 1200 A
	Enclosure: NEMA 1			MCB Rati	ng: N/A
	Circuit Description	# of Poles	Trip Rating	l oad	Remarks
S	PARE	3	150	717000	BASED ON DATA FROM UNIVERSITY
S.		3	150	0	
	XISTING 1ST FLOOR MRI CHILLER	3	125	0	
E	XISTING LOAD (NO NAME)	3	225	0	
E.	XISTING CT	3	200	0	
S	PACE	1			
S	PACE	1 1			
S	PACE	1			
S S	PACE	1 1			
S	PACE	1			
S.	PACE	1 1			
B	LANK (NOT A SPACE)	1			BLANK (NOT A SPACE)
B	LANK (NOT A SPACE)	1			BLANK (NOT A SPACE)
B	LANK (NOT A SPACE)	1			BLANK (NOT A SPACE)
			_	775200	
				002	Panel Totals
(IS A IS	TING / BOLD = NEW WORK S THE CURRENT PEAK LOAD MEASURED BY THE UNIVERSITY. 717KW L	OAD ON CIRCUIT		Total Conn Total Est. De	. Load (W): 775200 emand (W): 775200
SE	NT 862A.			Total	I Conn. (A): 932
				Total Est. D	emand (A): 932

ATIEN

NO. REVISIONS

heet is not 30"x42" it is a reduced print cordingly

![](_page_32_Picture_10.jpeg)

10' 20' 30' 40'

hummunum

Exis	ting Panel: L1A Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1				Volts: 120/208 Phases: 3 Wires: 4	}			A.I.C. Rating: 22K Mains Type: MCB Mains Rating: 250 MCB Rating: 250 A		
r	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trin	Circuit Description	СКТ	
EXISTING	LOAD	20	1	0 0			1	20	EXISTING LOAD	2	
EXISTING	LOAD	20	1		0 0	0 0	1	20	EXISTING LOAD	4	
EXISTING	LOAD	20	1	0 0			1	20	EXISTING LOAD	8	
EXISTING		20	1		0 0	0 0	1	20	EXISTING LOAD	10	
EXISTING	LOAD	20	1	0 0		0 0	1	20	EXISTING LOAD	12	
EXISTING	LOAD	20	1		0 0	0 0	1	20	EXISTING LOAD	16	
EXISTING	LOAD	20	1	0 0		0 0	1	20	EXISTING LOAD EXISTING LOAD	20	
EXISTING	LOAD	20	1		0 0		1	20	EXISTING LOAD	22	
EXISTING		20	1	0 0		0 0	1	20	EXISTING LOAD	24	
EXISTING	LOAD	20	1	0 0	0 0		1	20	EXISTING LOAD	28	
EXISTING	LOAD	20	1	0 0		0 0	1	20	EXISTING LOAD	30	
EXISTING	LOAD	20	1	0 0	0 0		1	20	EXISTING DOOR POWER	32	
EXISTING	LOAD	20	1			0 0	1	20	EXISTING LOAD	36	
MEDGAS	ALARM	20	$\frac{1}{1}$	0 478	0 0		1	20 20	EXISTING MRI LIGHTING EXISTING LOAD	38	
- EXISTING	Long man	- Joen	-			0 0	1	20	EXISTING LOAD	42	
- EXISTING - <b>NEW</b> . HAS 24 AN	9 IPS OR 8.7kVA OF DEMAND BASED	ON AS-B	UILT FRC	OM 03/08/13.					Panel Totals       Total Conn. Load:     478       Total Est. Demand:     478       Total Conn.:     1       Total Est. Demand:     1		
IC - EXISTING D - NEW EL HAS 24 AM	F MPS OR 8.7kVA OF DEMAND BASED ting Panel: N11 Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1	ON AS-B	UILT FRC	OM 03/08/13.	Volts: 480/277 Phases: 3 Wires: 4				Panel Totals         Total Conn. Load:       478         Total Est. Demand:       478         Total Est. Demand:       1         Total Est. Demand:       1         A.I.C. Rating:       UNKNOWN         Mains Type:       MCB         Mains Rating:       200         MCB Rating:       225 A		
C - EXISTING D - NEW EL HAS 24 AN EXISTING EXISTING	APS OR 8.7kVA OF DEMAND BASED ting Panel: N11 Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1 Circuit Description	ON AS-B	UILT FRC	OM 03/08/13.	Volts: 480/277 Phases: 3 Wires: 4	C (VA)	Poles	Trip	Panel Totals  Total Conn. Load: 478  Total Est. Demand: 478  Total Conn.: 1  Total Est. Demand: 1  A.I.C. Rating: UNKNOWN Mains Type: MCB Mains Rating: 200 MCB Rating: 225 A  Circuit Description  EXISTING LOAD		
C - EXISTING - NEW L HAS 24 AN EXISTING EXISTING EXISTING	APS OR 8.7kVA OF DEMAND BASED	ON AS-B	UILT FRC	OM 03/08/13.	Volts:       480/277         Phases:       3         Wires:       4         B       (VA)         0       0         0       0	C (VA) 0 0	Poles	<b>Trip</b> 60	Panel Totals         Total Conn. Load:       478         Total Est. Demand:       478         Total Est. Demand:       1         Total Est. Demand:       1         Total Est. Demand:       1         A.I.C. Rating:       UNKNOWN         Mains Type:       MCB         Mains Rating:       200         MCB Rating:       225 A	СКТ 2 4 6	
Existing Existing Existing Existing Existing Existing Existing	APS OR 8.7kVA OF DEMAND BASED	ON AS-B	UILT FRC	OM 03/08/13.	Volts: 480/277 Phases: 3 Wires: 4 B (VA) 0 0 0 0 0	C (VA) 0 0	Poles 3 1 1 1	<b>Trip</b> 60 20	Panel Totals  Total Conn. Load: 478  Total Est. Demand: 478  Total Est. Demand: 1  Total Est. Demand: 1  A.I.C. Rating: UNKNOWN Mains Type: MCB Mains Rating: 200 MCB Rating: 225 A  Circuit Description  EXISTING LOAD  LIGHTING MRI CORRIDOR	СКТ 2 4 6 8 10	
E - EXISTING - NEW L HAS 24 AM EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING	F MPS OR 8.7kVA OF DEMAND BASED ting Panel: N11 Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1 Circuit Description LOAD LOAD LOAD LOAD LOAD	ON AS-B	UILT FRC Poles 1 1 1 1 1 1 1 1 1 1 1	OM 03/08/13.	Volts:       480/277         Phases:       3         Wires:       4         B       (VA)         0       0         0       0         0       168         0       168	C (VA) 0 0 0 0	Poles 3 1 1 1 1	<b>Trip</b> 60 20 20 20	Panel Totals         Intervention         Total Conn. Load:       478         Total Est. Demand:       1         Total Est. Demand:       1         Total Est. Demand:       1         A.I.C. Rating:       UNKNOWN         Mains Type:       MCB         Mains Rating:       200         MCB Rating:       225 A	СКТ 2 4 6 8 10 12	
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E - EXISTING - NEW - HAS 24 AM EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING SPARE SPARE SPARE	F MPS OR 8.7kVA OF DEMAND BASED ting Panel: N11 Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1 Circuit Description LOAD LOAD LOAD LOAD LOAD	ON AS-B	UILT FRC	A (VA) 0 0 0 0 0 0 0 0 0 0	Volts: 480/277         Phases: 3         Wires: 4         Image: 100 mm m	C (VA) 0 0 0 0 0 594 0 0	Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>Trip</b> 60 20 20 20 20 20 20 20 20 20 20 20 20 20	Panel Totals         Total Conn. Load:       478         Total Est. Demand:       478         Total Est. Demand:       1         Total Est. Demand:       1         Total Est. Demand:       1         Mains Type:       MCB         Mains Rating:       200         MCB Rating:       225 A         Circuit Description         EXISTING LOAD       LIGHTING MRI CORRIDOR         LIGHTING MRI ROOMS       SPARE         SPARE       SPARE	CKT 2 4 6 8 10 12 14 14 16 18	
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E - EXISTING - NEW L HAS 24 AM E HAS 24 AM E XISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	S MPS OR 8.7kVA OF DEMAND BASED ting Panel: N11 Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1 Circuit Description LOAD LOAD LOAD LOAD LOAD	ON AS-B	UILT FRC Poles 1 1 1 1 1 1 1 1 1	A (VA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Volts: $480/277$ Phases: 3         Wires: 4         B         UVOLTS: $480/277$ Phases: 3         Wires: 4         B         UVOLTS: $480/277$ Phases: 3         Wires: 4         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O <th co<="" td=""><td>C (VA) 0 0 0 594 0 594 0 0</td><td>Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td><b>Trip</b> 60 20 20 20 20 20 20 15</td><td>Panel TotalsTotal Conn. Load:478Total Est. Demand:478Total Est. Demand:1Total Est. Demand:1A.I.C. Rating:UNKNOWNMains Type:MCBMains Rating:200MCB Rating:225 ACircuit DescriptionEXISTING LOADLIGHTING MRI CORRIDORLIGHTING MRI ROOMSSPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESP</td><td>CKT 2 4 6 8 10 12 14 16 18 20 22 24</td></th>	<td>C (VA) 0 0 0 594 0 594 0 0</td> <td>Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td><b>Trip</b> 60 20 20 20 20 20 20 15</td> <td>Panel TotalsTotal Conn. Load:478Total Est. Demand:478Total Est. Demand:1Total Est. Demand:1A.I.C. Rating:UNKNOWNMains Type:MCBMains Rating:200MCB Rating:225 ACircuit DescriptionEXISTING LOADLIGHTING MRI CORRIDORLIGHTING MRI ROOMSSPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESP</td> <td>CKT 2 4 6 8 10 12 14 16 18 20 22 24</td>	C (VA) 0 0 0 594 0 594 0 0	Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>Trip</b> 60 20 20 20 20 20 20 15	Panel TotalsTotal Conn. Load:478Total Est. Demand:478Total Est. Demand:1Total Est. Demand:1A.I.C. Rating:UNKNOWNMains Type:MCBMains Rating:200MCB Rating:225 ACircuit DescriptionEXISTING LOADLIGHTING MRI CORRIDORLIGHTING MRI ROOMSSPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESP	CKT 2 4 6 8 10 12 14 16 18 20 22 24
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EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPACE SPACE SPACE SPACE	F MPS OR 8.7kVA OF DEMAND BASED ting Panel: N11 Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1 Circuit Description LOAD LOAD LOAD LOAD LOAD	ON AS-B Trip 20 20 20 20 20 20 20 20 20 20	UILT FRC	A (VA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Volts:       480/277         Phases:       3         Wires:       4         Image:	C (VA) 0 0 0 0 0 594 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trip 60 20 20 20 20 20 20 20 20 20 20 20 20 20	Panel TotalsTotal Conn. Load:478Total Est. Demand:478Total Est. Demand:1Total Est. Demand:1A.I.C. Rating:UNKNUMains Type:MCBMains Rating:200MCB Rating:225 ACircuit DescriptionEXISTING LOADLIGHTING MRI CORRIDORLIGHTING MRI ROOMSSPARESPARESPARESPARESPARESPARESPARESPARESPACESPACESPACESPACESPACESPACESPACESPACE	CKT 2 4 6 8 10 12 14 14 16 18 20 22 24 24 26 28 30	
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EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPACE SPACE SPACE SPACE SPACE SPACE	S MPS OR 8.7kVA OF DEMAND BASED ting Panel: N11 Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1 Circuit Description LOAD LOAD LOAD LOAD LOAD LOAD	ON AS-B Trip 20 20 20 20 20 20 20 20 20 20	UILT FRC Poles 1 1 1 1 1 1 1 1 1	A (VA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Volts: $480/277$ Phases: 3       Wires: 4         Wires: 4 $3000000000000000000000000000000000000$	, , , , , , , , , , , , , ,	Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trip 60 20 20 20 20 20 20 20 20 20 20 20 20 20	Panel Totals  Total Conn. Load: 478 Total Est. Demand: 4778 Total Est. Demand: 1  Total Est. Demand: 1  A.I.C. Rating: UNKNOWN Mains Type: MCB Mains Rating: 200 MCB Rating: 225 A  Circuit Description  EXISTING LOAD  EXISTING LOAD  EXISTING LOAD LIGHTING MRI COORRIDOR LIGHTING MRI ROOMS SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPACE S	CKT 2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 30 32 34 34	
E - EXISTING - NEW L HAS 24 AM E HAS 24 AM EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE	S MPS OR 8.7kVA OF DEMAND BASED ting Panel: N11 Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1 Circuit Description LOAD LOAD LOAD LOAD LOAD LOAD LOAD	ON AS-B Trip 20 20 20 20 20 20 20 20 20 20	UILT FRC Poles 1 1 1 1 1 1 1 1 1 1 1 1 1	A (VA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Volts:       480/277         Phases:       3         Wires:       4         0       0         0       0         0       0         0       0         0       168         0       0         0       0         0       168         0       0         0       0         0       0         0       168         0       0         0       0         0       0         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168 <t< td=""><td>C           (VA)           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0<td>Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>Trip 60 20 20 20 20 20 20 20 20 20 20 20 20 20</td><td>Panel Totals  Total Conn. Load: 478 Total Est. Demand: 478 Total Conn.: 1 Total Est. Demand: 1 Total Conn.: 1 Total Est. Demand: 2  A.I.C. Rating: UNKNUWN Mains Type: MCB Mains Rating: 200 MCB Rating: 225 A  A.I.C. Rating: 225 A  Circuit Demand: 2  A.I.C. Rating: 225 A  Circuit Demand: 2  A.I.C. Rating: 225 A  A</td><td>CKT 2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 30 32 22 24 24 26 28 30 32 34 34 36 38</td></td></t<>	C           (VA)           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0 <td>Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>Trip 60 20 20 20 20 20 20 20 20 20 20 20 20 20</td> <td>Panel Totals  Total Conn. Load: 478 Total Est. Demand: 478 Total Conn.: 1 Total Est. Demand: 1 Total Conn.: 1 Total Est. Demand: 2  A.I.C. Rating: UNKNUWN Mains Type: MCB Mains Rating: 200 MCB Rating: 225 A  A.I.C. Rating: 225 A  Circuit Demand: 2  A.I.C. Rating: 225 A  Circuit Demand: 2  A.I.C. Rating: 225 A  A</td> <td>CKT 2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 30 32 22 24 24 26 28 30 32 34 34 36 38</td>	Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trip 60 20 20 20 20 20 20 20 20 20 20 20 20 20	Panel Totals  Total Conn. Load: 478 Total Est. Demand: 478 Total Conn.: 1 Total Est. Demand: 1 Total Conn.: 1 Total Est. Demand: 2  A.I.C. Rating: UNKNUWN Mains Type: MCB Mains Rating: 200 MCB Rating: 225 A  A.I.C. Rating: 225 A  Circuit Demand: 2  A.I.C. Rating: 225 A  Circuit Demand: 2  A.I.C. Rating: 225 A  A	CKT 2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 30 32 22 24 24 26 28 30 32 34 34 36 38	
- EXISTING - NEW HAS 24 AM EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	S MPS OR 8.7kVA OF DEMAND BASED ting Panel: N11 Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1 Circuit Description LOAD LOAD LOAD LOAD LOAD LOAD	ON AS-B Trip 20 20 20 20 20 20 20 20 20 20	UILT FRC	A (VA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Volts:       480/277         Phases:       3         Wires:       4         0       0         0       0         0       0         0       0         0       168         0       168         0       0         0       0         0       0         0       168         0       0         0       0         0       0         0       0         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168      <	C         (VA)         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0       <	Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trip 60 20 20 20 20 20 20 20 20 20 20 20 20 20	Panel Totals           Iotal Conn. Load:         478           Total Est. Demand:         478           Total Est. Demand:         1           Total Est. Demand:         1           Total Est. Demand:         1           Al.C. Rating:         UNKNUWN           Mains Type:         MCB           Mains Rating:         200           MCB Rating:         225 A           Circuit Description         EXISTING LOAD           EXISTING LOAD         IGHTING MRI CORRIDOR           LIGHTING MRI ROOMS         SPARE           SPARE         SPARE           SPARE <td< td=""><td>CKT 2 4 6 8 10 12 14 6 8 10 12 14 14 16 18 20 22 24 24 26 22 24 24 26 22 24 26 22 24 30 30 32 32 34 36 38 40</td></td<>	CKT 2 4 6 8 10 12 14 6 8 10 12 14 14 16 18 20 22 24 24 26 22 24 24 26 22 24 26 22 24 30 30 32 32 34 36 38 40	
EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	S APS OR 8.7kVA OF DEMAND BASED	ON AS-B  Trip 20 20 20 20 20 20 20 20 20 20 20 20 20	UILT FRC	A (VA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Volts:       480/277         Phases:       3         Wires:       4         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       168         0       0         0       0         0       168         0       168         0       0         0       0         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0       168         0 <td>C           (VA)           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0</td> <td>Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>Trip 60 20 20 20 20 20 20 20 20 20 20 20 20 20</td> <td>Panel Totals         Instance       478         Total Est. Demand:       478         Instance       1         Instance       <t< td=""><td>CKT 2 4 6 8 10 12 14 14 16 18 20 22 24 24 26 22 24 24 26 22 24 24 26 22 24 24 26 22 30 32 34 36 38 34 36 38</td></t<></td>	C           (VA)           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0	Poles 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trip 60 20 20 20 20 20 20 20 20 20 20 20 20 20	Panel Totals         Instance       478         Total Est. Demand:       478         Instance       1         Instance <t< td=""><td>CKT 2 4 6 8 10 12 14 14 16 18 20 22 24 24 26 22 24 24 26 22 24 24 26 22 24 24 26 22 30 32 34 36 38 34 36 38</td></t<>	CKT 2 4 6 8 10 12 14 14 16 18 20 22 24 24 26 22 24 24 26 22 24 24 26 22 24 24 26 22 30 32 34 36 38 34 36 38	

EXISTIN BOLD -*G = GR PANEL

		<u> </u>							3	<b>,                                    </b>			J	scale
		^{2'} ^{3'} Existing Panel: C1A 2			1'			2'					1' 	Г
Image: Second Description         Tag         Point         (VA)         Point         Tag         Point         Control Description         OPT           1         District Description         Tag         Point         District Description         <		Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1					Volts: Phases: Wires:	120/208 3 4	i			A.I.C. Rating: 22,000 A Mains Type: MCB Mains Rating: 400 MCB Rating: 400 A		Oj Plai
Second Cale       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N <th< td=""><td>ст</td><td>Circuit Description</td><td>Trip</td><td>Poles</td><td>(V</td><td>A A)</td><td>    ( V</td><td>B /A)</td><td>C (VA)</td><td>Poles</td><td>s Trip</td><td>Circuit Description</td><td>скт</td><td>222 Sout</td></th<>	ст	Circuit Description	Trip	Poles	(V	A A)	 ( V	B /A)	C (VA)	Poles	s Trip	Circuit Description	скт	222 Sout
Column Loop         X         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y         Y <th< td=""><td>E E E E E 1 E</td><td>XISTING LOAD XISTING LOAD EC - LINEN 1236 BLANKET WARMER XISTING LOAD XISTING LOAD XISTING LOAD</td><td>20 20 20 20 20 20 20 20</td><td>1 1 1 1 1 1 1</td><td>0</td><td>0</td><td>0</td><td>0 360</td><td>360 0 0 180</td><td>1 1 1 1 1 1 1</td><td>20 20 20 20 20 20 20 20</td><td>EXISTING LOAD EXISTING LOAD EXISTING LOAD EXISTING LOAD REC - HOLDING BAY 1233-1234 BARIATRIC LIFT</td><td>2 4 6 8 10 12</td><td></td></th<>	E E E E E 1 E	XISTING LOAD XISTING LOAD EC - LINEN 1236 BLANKET WARMER XISTING LOAD XISTING LOAD XISTING LOAD	20 20 20 20 20 20 20 20	1 1 1 1 1 1 1	0	0	0	0 360	360 0 0 180	1 1 1 1 1 1 1	20 20 20 20 20 20 20 20	EXISTING LOAD EXISTING LOAD EXISTING LOAD EXISTING LOAD REC - HOLDING BAY 1233-1234 BARIATRIC LIFT	2 4 6 8 10 12	
BIOL COMPRESSION         Do         I         Do         IO         IO <thio< th="">         IO         IO</thio<>	3 E 5 E 7 E 9 <b>R</b> 1 <b>R</b>	XISTING LOAD XISTING LOAD XISTING LOAD EC - MRI EXAM 1238 EC - NEW CONTROL RM COMPUTERS	20 20 20 20 20 20 <b>20</b>	1 1 1 1 1 1	0	0	0 360	0	0 0	1 1 1 1 1 1	20 20 20 	EXISTING LOAD EXISTING LOAD EXISTING LOAD SPACE SPACE	14 16 18 20 22	1009 Lin
B MARCE         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T </td <td>3 <b>R</b> 5 S 7 S 9 S 1 S</td> <td>EC - DOOR SEAL COMPRESSOR PACE PACE PACE PACE</td> <td>20   </td> <td>1 1 1 1 1 1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1 1 1 1 1</td> <td>   </td> <td>SPACE SPACE SPACE SPACE SPACE</td> <td>24 26 28 30 32</td> <td></td>	3 <b>R</b> 5 S 7 S 9 S 1 S	EC - DOOR SEAL COMPRESSOR PACE PACE PACE PACE	20   	1 1 1 1 1 1						1 1 1 1 1	   	SPACE SPACE SPACE SPACE SPACE	24 26 28 30 32	
Construction     C	3 S 5 S 7 S 9 S 1 S	PACE PACE PACE PACE PACE	   Total	1 1 1 1 Load ( V otal Amps:	 10	 80		  20 6	  720 6	1 1 1 1 1	    	SPACE SPACE SPACE SPACE SPACE	34       36       38       40       42	6 Old Or
Volte: 10000 A           ALC: Reling::::::::::::::::::::::::::::::::::::	. <i>ICS -</i> . <b>D - N</b> DATE   IEL H/	<i>EXISTING</i> <b>EW WORK</b> PANEL SCHEDULES TO REFLECT UPDATED AS 21 AMPS OR 7.6kVA OF DEMAND BASED	DESCF	RIPTIONS. BUILT FRC	DM 03/08/	13.						Total Conn. Load:     2520       Total Est. Demand:     2520       Total Conn.:     7       Total Est. Demand:     7		
Build Finit:         Prime:         Disclosulation         Prime:         Prime: <td></td> <td>Existing Panel: N1A-M</td> <td>RI</td> <td></td> <td></td> <td></td> <td>Volto</td> <td>420/200</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Existing Panel: N1A-M	RI				Volto	420/200						
T         Circuit Description         Trip         Poles         A         B         C         Poles         Trip         Circuit Description         CKT           REC - DRESSING & ILT         20         1         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540         540 <td></td> <td>Supply From: Mounting: SURFACE Enclosure: NEMA 1</td> <td></td> <td></td> <td></td> <td></td> <td>Volts: Phases: Wires:</td> <td>120/208 3 4</td> <td></td> <td></td> <td></td> <td>Mains Type: MLO Mains Rating: 60 MCB Rating: N/A</td> <td></td> <td>* PRO</td>		Supply From: Mounting: SURFACE Enclosure: NEMA 1					Volts: Phases: Wires:	120/208 3 4				Mains Type: MLO Mains Rating: 60 MCB Rating: N/A		* PRO
REC. OWNER 1288 & COUNTER         20         1         60         60         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100	T R	Circuit Description EC - DRESSING & TLT EC - WAITING 1227	Trip 20 20	Poles 1 1	<b>( V</b> 540	<b>A</b> <b>A )</b> 540	( V 720	B /A) 360	C (VA)	Poles	5 Trip 20 20	Circuit Description REC - CORR. ZONE 2 REC - HOLDING BAY 1233 & 1234	CKT 2 4 4	
SHUNT TRUE         20         7         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <th< td=""><td>R R R 1 E 3 D</td><td>EC - LINEN 1236 &amp; COUNTER TOP EC - CONTROL RM 1235 NEW COUNTER EC - EXISTING CONTROL RM VAV 104/105 POWER SUPPLY OOR SEAL</td><td>20 20 20 20 20 20</td><td>1 1 1 1 1 1</td><td>540 0</td><td>540 0</td><td>0</td><td>0</td><td>180 540 180 0</td><td></td><td>20 20 20 20 20</td><td>REC - MRI ZONE 3 COUNTER REG EQUPVENT 1237 SPARE RECEPTS 1229</td><td>10 10 10 14 14</td><td>M</td></th<>	R R R 1 E 3 D	EC - LINEN 1236 & COUNTER TOP EC - CONTROL RM 1235 NEW COUNTER EC - EXISTING CONTROL RM VAV 104/105 POWER SUPPLY OOR SEAL	20 20 20 20 20 20	1 1 1 1 1 1	540 0	540 0	0	0	180 540 180 0		20 20 20 20 20	REC - MRI ZONE 3 COUNTER REG EQUPVENT 1237 SPARE RECEPTS 1229	10 10 10 14 14	M
Total Amps:         18         9         8           FY ALL CIRCUITS BEING REMOVED IN FIELD PRIOR TO WORK. WORK IS BASED ON AS-BUILT CONDITIONS. ICS - EXISTING TO REMAIN DORE NAME. SOFTER AREL. SCHEDULE FOR CIRCUIT DESIGNATION. DORE OF BREAKER SIZE.         Panel Totals           D-NEW WORK SATE PANEL. SCHEDULE FOR CIRCUIT DESIGNATION. DORE OF BREAKER SIZE.         Total Conn. Load:         14:00         Total Add         Total Add         Total Second:         11:00           DARW MORK SATE PANEL. SCHEDULE FOR CIRCUIT DESIGNATION. DORE OF BREAKER SIZE.         Volts:         480277         ALC. Rating: 22.000         Mains Type: ML.O           Mounting: SUFFACE Enclosure: NEMA 1         Phase: 3         Writes: 4         Mains Type: ML.O         Mains Type: ML.O           MOUNTING: SUFFACE Enclosure: NEMA 1         Poiss         C         VOL         1         20         ZXISTING LOAD         2           T         Circuit Description         Trip         Poiss         C         VI         1         20         ZXISTING LOAD         2           EXISTING LOAD         20         7         0         0         0         1         20         ZXISTING LOAD         2           EXISTING LOAD         20         7         0         0         0         1         20         ZXISTING LOAD         2           EXIST	7 S 9 1 S 3	HUNT TRIP	20 20 30 Total	1 3 Load ( V	0	0	0	0	0 0 	3	30	**PRE-ACTION SYSTEM FIRE PR	OTECTION 18 20 22 24	PM
T         Circuit Description         Trip         Poles         A         B         C         VA         Poles         Trip         Circuit Description         CKT           EXISTING LOAD         20         1         0         0         1         20         EXISTING LOAD         4           EXISTING LOAD         20         1         0         0         0         1         20         EXISTING LOAD         6           EXISTING LOAD         20         1         0         0         1         20         EXISTING LOAD         10           EXISTING LOAD         20         1         0         0         1         20         EXISTING LOAD         120         EXISTING LOAD         120           EXISTING LOAD         20         1         0         0         1         20         EXISTING LOAD         14 <td< th=""><th>D - N )ATE (ORD</th><th>PANEL SCHEDULE FOR CIRCUIT DESIGNATINATE EXACT PRE-ACTION SYSTEM WITH F</th><th>TION. FIRE PR</th><th></th><th>PRIOR</th><th></th><th>Volts: Phases: Wires:</th><th>REAKEF 480/277 3 4</th><th>R SIZE.</th><th></th><th></th><th>A.I.C. Rating: 22,000 Mains Type: MLO Mains Rating: 255</th><th></th><th></th></td<>	D - N )ATE (ORD	PANEL SCHEDULE FOR CIRCUIT DESIGNATINATE EXACT PRE-ACTION SYSTEM WITH F	TION. FIRE PR		PRIOR		Volts: Phases: Wires:	REAKEF 480/277 3 4	R SIZE.			A.I.C. Rating: 22,000 Mains Type: MLO Mains Rating: 255		
KT         Circuit Description         Trip         Poles         (VA)         (VA)         Poles         Trip         Circuit Description         CKT           EXISTING LOAD         20         1         0         0         0         0         1         20         21         20         21         20         1         0         0         0         1         20         EXISTING LOAD         20         1         0         0         0         0         1         20         EXISTING LOAD         20         1         0         0         0         0         1         20         EXISTING LOAD         20         1         0         0         0         0         1         20         EXISTING LOAD         20         1         0         0         0         1         20         EXISTING LOAD         20         1         0         0         0         0         1         20         EXISTING LOAD         20         1         0         0         0         0         1         20         EXISTING LOAD         20         1         0         0         0         1         20         EXISTING LOAD         20         1         0         0         0		Enclosure: NEMA 1				<u> </u>		B	C			MCB Rating: N/A		
EXISTING LOAD         20         1         0         0         0         1         20         EXISTING LOAD         10           I         EXISTING LOAD         20         1         0         0         0         0         1         20         EXISTING LOAD         12           3         EXISTING LOAD         20         1         0         0         0         1         20         EXISTING LOAD         14           3         EXISTING LOAD         20         1         0         0         0         1         20         EXISTING LOAD         14           7         EXISTING LOAD         20         1         0         0         0         1         20         EXISTING LOAD         16           7         EXISTING LOAD         20         1         0         0         0         1         20         EXISTING LOAD         18           9         EXISTING LOAD         20         1         0         0         0         1         20         SPARE         20           1         EXISTING LOAD         20         1         0         0         0         1         20         SPARE         24 <td< td=""><td>(T E E E E</td><td>Circuit Description XISTING LOAD XISTING LOAD XISTING LOAD XISTING LOAD</td><td>Trip           20           20           20           20           20</td><td>Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>0 0</td><td><b>A</b>) 0 0</td><td>( V</td><td><b>7A</b> ) 0</td><td>(VA) 0 0</td><td>Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td><ul> <li>Trip</li> <li>20</li> <li>20</li> <li>20</li> <li>20</li> <li>20</li> </ul></td><td>Circuit Description EXISTING LOAD EXISTING LOAD EXISTING LOAD EXISTING LOAD</td><td>CKT 2 4 6 8</td><td></td></td<>	(T E E E E	Circuit Description XISTING LOAD XISTING LOAD XISTING LOAD XISTING LOAD	Trip           20           20           20           20           20	Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0	<b>A</b> ) 0 0	( V	<b>7A</b> ) 0	(VA) 0 0	Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<ul> <li>Trip</li> <li>20</li> <li>20</li> <li>20</li> <li>20</li> <li>20</li> </ul>	Circuit Description EXISTING LOAD EXISTING LOAD EXISTING LOAD EXISTING LOAD	CKT 2 4 6 8	
EXISTING LOAD       20       1        0       0        1       20       SPARE       22         SEXISTING LOAD       20       1         0       0       1       20       SPARE       24         SPARE       20       1       0       0        1       20       SPARE       24         SPARE       20       1       0       0        1       20       SPARE       26         *NEW HEAT TRACE SYSTEM PT0017       30       1        0       0       1       20       SPARE       28         SEXISTING HEAT TRACE SYSTEM PT0017       30       1        0       0       1       20       SPARE       28         SEXISTING LOAD       20       1        0       0       1       20       SPARE       30         SEXISTING LOAD       20       3         0       0       1       20       EXISTING LOAD       32         SEXISTING LOAD       20       1       0       0        1       20       EXISTING LOAD       36         SEXISTING LOAD       <	E E 5 E 7 E 0 E	XISTING LOAD XISTING LOAD XISTING LOAD XISTING LOAD XISTING LOAD XISTING LOAD	20 20 20 20 20 20 20	1 1 1 1 1 1 1	0	0	0	0	0 0 0 0 0 0	1 1 1 1 1 1 1	20 20 20 20 20 20 20	EXISTING LOAD EXISTING LOAD EXISTING LOAD EXISTING LOAD EXISTING LOAD SPARE	10 12 14 16 18 20	ן נ
EXISTING LOAD       20       3       0       0       0       1       20       EXISTING LOAD       32         EXISTING LOAD       20       3       0       0       0       1       20       EXISTING LOAD       34         EXISTING LOAD       20       1       0       0       0       0       1       20       EXISTING LOAD       36         EXISTING LOAD       20       1       0       0       0       1       20       EXISTING LOAD       36	E 5 E 5 S 7 *1 9 E	XISTING LOAD XISTING LOAD PARE <b>NEW HEAT TRACE SYSTEM PT0017</b> XISTING HEAT TRACE SYSTEM PT0017	20 20 20 <b>30</b> 30	1 1 1 1 1 1	0	0	0	0	0 0 	1 1 1 1 1 1	20 20 20 20 20 20	SPARE SPARE SPARE SPARE SPARE	22 24 26 28 30	
EXISTING LOAD         20         1         0         0         1         20         EXISTING LOAD         40           EXISTING LOAD         30         1         0         0         1         20         EXISTING LOAD         40	) E	XISTING LOAD XISTING LOAD XISTING LOAD	20 20 20 20	3 1 1	0	0	0	0	0 0	1 1 1 1 1 1	20 20 20 20 20 20	EXISTING LOAD EXISTING LOAD EXISTING LOAD EXISTING LOAD EXISTING LOAD	32 34 36 38 40 42	
Image: Construint Construint         Image: Construint			Total Total	Load ( V otal Amps:	(	)		0	0 0		20		42	
STING - ITALICS  STING - ITALICS  D - NEW  GROUND FAULT EQUIPMENT PROTECTION RATED BREAKER / REMOVE EXISTING 20A-1P BREAKER AND REPLACE WIT  EL HAS 63 AMPS OR 52.7kVA OF DEMAND BASED ON AS-BUILT FROM 03/08/13.  Total Conn.:  O  Total Est. Demand: O  Total Est.	S <i>TING</i> . <b>D - N</b> : GRO IEL H/	S - ITALICS EW UND FAULT EQUIPMENT PROTECTION RAT AS 63 AMPS OR 52.7kVA OF DEMAND BASEI	ed Bre D on As	EAKER / RE S-BUILT FR	MOVE E OM 03/0	XISTINC 3/13.	G 20A-1P	BREAK	ER AND REPLA	CE WIT		Panel Totals       Total Conn. Load:     0       Total Est. Demand:     0       Total Est. Demand:     0       Total Est. Demand:     0		

If this sheet is not 30"x42" it is a reduced print scale accordingly

![](_page_33_Picture_9.jpeg)