

6030 Bid Addendum

Page 1 of 1

ADDENDUM NO.: 5

DATE OF ADDENDUM: August 24, 2015

### CAMPUS RENOVATIONS ASNUNTUCK COMMUNITY COLLEGE 170 ELM STREET ENFIELD, CT BI – CTC-437

Original Bid Due Date / Time:	September 2, 2015	1:00 PM
1		

### Addendum #1, July 23, 2015; Addendum #2, August 4, 2015, Addendum #3, Previous Addendums: August 13, 2015 & Addendum #4 August 20, 2015.

### TO: Prospective Bid Proposers:

This Addendum forms part of the "Contract Documents" and modifies or clarifies the original "Contract Documents" for this Project dated 04/27/2015. Prospective Bid Proposers shall acknowledge receipt of the total number the Addenda issued for this Project on the space provided on Section 00 41 00 Bid Proposal Form. Failure to do may subject Bid Proposers to disqualification.

The following clarifications are applicable to drawings and specifications for the project referenced above.

### Item 1

Addendum #4 Drawings Reposted:

The drawings previously posted under addendum #4 on 08/20/2015 are being reposted at the correct full size 30"x42" drawing format so they are readable. Refer to itemized list of revisions to each drawing in Addendum #4 for additional information.

All questions must be in writing (not phone or e-mail) and must be forwarded to the consulting Architect/Engineer (Tecton Architects, 860-522-6251) with copies sent to the DCS Project Manager (Lisa Humble, 860-713-7270).

End of Addendum #5

Mellanee Walton, Associate Fiscal Administrative Officer Department of Administrative Services On Behalf of the Division of Construction Services

CT DAS - 6030 (Rev. 06.15.15)

6000 - Bid Phase Forms



SEECOND FLOC         1.       TOP OF CONCRETE FLOOR SLAB TO BE FIELD). TOP OF NEW SLAB ELEVATION REQUIRED.         2.       [+] OR [] INDICATES TOP OF GIRDEF.         3.       BF INDICATES BRACED FRAME, SEE II         4.       CANT INDICATES DECK OPENING FRAME         5.       DOF INDICATES DECK OPENING FRAME         6.       A NUMBER SHOWN AFTER A BEAM SIZE DIAMETER × 4" HIGH, HEADED STUD TY BEAM. SHEAR CONNECTORS TO BE EVID SHALL BE SELECTED AND DETAILED FOR STALL BE SELECTED AND DETAILED FOR SHALL BE SELECTED AND DETAILED FOR SHALL BE SELECTED AND DETAILED FOR SUPPLIER. STRUCTURAL DRAWINGS. IF CHANGES INDICATES INDICATES INDICATES INDICATES INDICATES STRUCTURAL DRAWINGS. IF CHANGES INMEDIATELY FOR SUPPORT FRAMING SUPPLIER. STRUCTURE HAS BEEN DESS STRUCTURAL DRAWINGS. IF CHANGES INMEDIATELY FOR SUPPORT VERIFICA         10.       CONTRACTOR TO COORDINATE LOCAT MECHANICAL UNIT SUPPORT FRAMING SUPPLIER. STRUCTURE HAS BEEN DESS STRUCTURAL DRAWINGS. IF CHANGES INMEDIATELY FOR SUPPORT VERIFICA         11.       CONTRACTOR TO COORDINATE LOCAT MECHANICAL UNT SUPPORT FRAMING SUPPLIER. STRUCTURE HAS BEEN DESS STRUCTURAL DRAWINGS. IF CHANGES INMEDIATELY FOR SUPPORT VERIFICA         12.       CONTRACTOR PERFORMING STRUCTURE         13.       SEE "3/S4.400" FOR TYPICAL SLAB ON DISUBMIT PROPOSED SLAB CONSTRUCTION AND RECOMPONED AND RECOMPORT VERIFICA         14.       ALL STRUCTURAL STEEL TO MEET AESS FOR ADDITIONAL INFORMATION AND RECOMPONED AN	
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LUCATION OF GRID WORKING POINT.	. ALI( HER\
16. NEW W12 @ EXIST JOISTS SUPPORTING DECK. DRY PACK WITH NONSHRINK GR EXISTING JOIST BRIDGING AS REQUIRE BRIDGING AFTER INSTALLATION OF W1	G RE OUT D TC 2
17. SEE DRAWING "S1.100" FOR ALL GRID E	IME

8.

	FLOOR FRAMING PLAN SY
	INDICIATES DIRECTION OF SPAN OF CO STRUCTURAL SLAB TO BE 3" NORMAL V GALVANIZED METAL DECK. (NOMINAL TI 6x6-W2.9xW2.9 WWF, SEE "1/S4.400" FOF REQUIREMENTS.
(R1)	INDICATES DIRECTION OF SPAN OF WIE 18 GAGE METAL ROOF DECK. SEE "6/S4 SEE PROJECT SPECIFICATIONS.
*	INDICATES COORDINATE FINAL DIMENS DRAWINGS, EQUIPMENT SUPPLIER, ANI
►	INDICATES MOMENT CONNECTION TO D CAPACITY OF BEAM OR GIRDER, UNLES
	INDICATES CONCRETE HOUSEKEEPING AND LOCATION WITH MEP DRAWINGS.

Image: Construction of the second of the		KEYPLAN	<b>W</b> NORTH	drawing SE	<sup>title</sup> COND	FLOOR FRAMING PLAN	STATI
Imark       date       description       drawing preparing project         Imark       date       description       T         Imark       date       date       description       T         Imark       date       date       date       date       T         Imark       date       date       date       date       date       date       T         Imark       date						REVISIONS	
Image: Courty and Courty			-	mark	date	description	drawing prepared by:
PROJECT AREA PROJECT AREA PROJECT AREA PROJECT AREA PROJECT AREA PROJECT AREA PROJECT AREA Project: CAMPU COMMU 170 ELC ENFIELD Bloomfield, CT 06002 Tel: (860) 286-9171 ww.bvhis.com Project number:				1	8/20/15	ADDENDUM 4	
No. 15290       Integrated services       50 Griffin Road South Bloomfield, CT 06002       170 ELC ENFIELD         project number:       South Bloomfield, CT 06002       100 ELC ENFIELD       100 ELC ENFIELD		PROJECT AREA	╻╼┹				CAMPUS R COMMUNI
No 15290 integrated services Tel: (860) 286-9171 www.bvhis.com	STARL F FRC CC	<b>BVH</b>	50 Griffin Road South Bloomfield, CT 06002				170 ELD ST ENFIELD, C
STRUCTURAL, MECHANICAL, ELECTRICAL, AND TECHNOLOGY	No. 15290 CENSED SSIONAL ENGINITI	services STRUCTURAL, MECHA	Tel: (860) 286-9171 www.bvhis.com				project number:

FRAMING PLAN
REFERENCE ELEVATION 11'-6 5/8"+/- (VERIFY IN MATCH EXISTING. ADJUST STEEL ELEVATION AS
BEAMS ELEVATION AT COLUMN OR BEAM CENTERLINE, TION.
ACE FRAME ELEVATIONS AND DETAILS.
) BE THE SAME BEAM SIZE AS ADJACENT BACKSPAN.
EE TYPICAL DETAIL ON "S4.400"
E., W18X35 (24)] INDICATES THE NUMBER OF 3/4" SHEAR CONNECTORS WELDED TO TOP FLANGE OF Y SPACED, UNLESS OTHERWISE NOTED.
CTED AND DETAILED FOR 1.25 TIMES THE REACTIONS IND CONNECTIONS ON BEAMS DESIGNATED <wxxxyy> A MINIMUM OF 6K.</wxxxyy>
FORCE IN MEMBER.H=_K INDICATES HORIZONTAL < OR T=_'K INDICATES TORSIONAL FORCE AT MEMBER RAVITY LOAD AT MEMBER CONNECTION. DESIGN O ON THE DRAWINGS.
0x12, W12 INDICATES W12x14, W14 INDICATES W14x22.
I AND DIMENSIONS OF MECHANICAL UNITS AND TH MECHANICAL CONTRACTOR AND/OR EQUIPMENT IED TO SUPPORT THE EQUIPMENT INDICATED ON THE E MADE, NOTIFY THE STRUCTURAL ENGINEER N.
LOCATION OF ALL OPENINGS AND SLEEVES WITH AL, PLUMBING DRAWINGS AND MEP CONTRACTORS.
L WORK SHALL BE RESPONSIBLE FOR ALL SHORING OF SAFELY COMPLETE WORK.
K CONSTRUCTION JOINT DETAIL. CONTRACTOR TO JOINT LOCATIONS FOR APPROVAL.
EQUIREMENTS. SEE SPECIFICATION SECTION "051200" JIREMETNS.
IGN WITH GRID WORKING POINT. BEAMS SHALL BE RWISE NOTED ON PLANS. SEE DRAWING S1.100 FOR
ELOCATED RTUS. INSTALL TIGHT TO UNDERSIDE OF T AS REQ'D TO PROVIDE FULL BEARING. REMOVE TO INSTALL NEW BEAM. REINSTALL EXISTING JOIST

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IENSIONS.

SYMBOL LEGEND	
COMPOSITE CONCRETE FLOOR SLAB. WEIGHT CONCRETE OVER 2" 18 GAGE THICKNESS = 5") REINFORCED WITH OR ADDITIONAL REINFORCING	
IDE RIB, GALVANIZED 1 1/2" DEEP, S4.400" FOR FRAMING INFORMATION.	
ISIONS WITH ARCHITECTURAL ND EQUIPMENT CONTRACTOR.	
DEVELOP FULL BENDING AND SHEAR ESS OTHERWISE NOTED.	
IG SLAB, COORDINATE QUANTITY, SIZE, . SEE "5/S3.301".	
CALLE	DNORTH
TE OF CONNECTICUT IMENT OF ADMINISTRATIVE SERVICE N OF CONSTRUCTION SERVICES	ΞS
	date: 04/27/2015
ECTON ARCHITECTS	scale
HARTFORD SQUARE WEST HARTFORD, CT 06106	production leader
RENOVATIONS - ASNUNTLICK	project manager: JLF
NITY TECHNICAL COLLEGE	project engineer: SRP
STREET	peer reviewer:
, CT	drawing no.
BI-CTC-437	S2.200



MATER	RIAL LEGEND
EXISTING ITEMS TO REMAIN	
STEEL	
ALUMINUM	
CONCRETE MASONRY UNIT (SECTION)	
CONCRETE MASONRY UNIT (ELEVATION)	
BRICK (SECTION)	
BRICK (ELEVATION)	
CONCRETE	
SAND	
EARTH	





drawing t	iitle INFOF	STATE OF DEPARTMENT C DIVISION OF CC	
1	date 08/20/2015	description ADDENDUM #4	drawing prepared by: TECTOI ONE HART HART project: CAMPUS RENO COMMUNITY TE 170 ELM STREE ENFIELD, CT project number: BI-CTC-43
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**TE OF CONNECTICUT** TMENT OF ADMINISTRATIVE SERVICES N OF CONSTRUCTION SERVICES 04-27-2015 ECTON ARCHITECTS As indicated NE HARTFORD SQUARE WEST production leader HARTFORD, CT 06106 TRM roject manager: KK S RENOVATIONS - ASNUNTUCK project architect: JNITY TECHNICAL COLLEGE TRM eer reviewer: M STREET H.L. , CT drawing no. G1.1 BI-CTC-437

Ľ			Buil	ding Info
D Constr	uction Services		FO	o Code /
The info related i informat	rmation on this form is intended to ex information into one table. The inform tion applicable to this building.	pedite the plan review proces nation shall be placed on the o	ss and is for archival purpo drawings and become a pe	ses. It assem ermanent recc
	ion applicable to the ballang.	CT STATE BUILDING	CODE	
1.0 EX	ISTING BUILDING: Continuation of Existing Use	X Y X Y	ES I NO I ES I NO I	N/A N/A
1.2 1.3	<ol> <li>Change of Use</li> <li>Complying with International Existing E</li> </ol>	Building Code	ES X NO C	N/A N/A
2.0 NE	EW BUILDINGS OR ADDITIONS:	X Y	ES I NO I ES X NO I	N/A N/A
3.0 OC 3.1 4.0 HE	Mixed Occupancies	SEPEI A-3, B NSTRUCTION TYPE: CONS	RATED MIXED USE & F-2 TRUCTION TYPE 2B	
	GENERA	AL BUILDING LIMITATIONS	(Chapters 5 & 6)	
Use Ca occupar of const	se 1 to determine the allowable heigh ncy or <u>non-separated mixed</u> occupane ruction for the building containing <u>sep</u>	pht and area and permitted of cies. Use <b>Case 2</b> to determine the arated mixed occupancies.	construction types for the ne the allowable height ar	building containd area and p
0/	A	REA MODIFICATIONS TO T	ABLE 503	مىمارى يۇرىغان
% of allo	The provided a set of the provided at the pro	100% Front (506.)	age 141'-0" 0'-0" 2)	0'-0"
% Increa	ase for automatic sprinklers, <i>J. (506.3</i> )	+ % Total	169'-0"	South
Tet	rooptone factor	+ % Fronta	ige (F) ft. F	Perimeter (P)
Lotal pe	rcentage factor	_= % Width	ontage increase ( <i>U</i> )	= <u>30 FEET</u>
	Total percent	age factor ÷ 100% (506	2)	$I_f = 100 \left[ \frac{F}{R} \right]$
Not A use g 2003 condi Office	pplicable: The existing build roups A-3, B & F-1. The lar IBC section 302.3.2. A Code tion and allow for an addition of the State Building Inspec-	ling is 167,975 sqft of gest existing floor plat e Modification Reques n to the existing buildin ctor. The Code Modifie	separated mixed us e (first floor) is large at to extend the exist ng has been submit cation approval # M-	e occupan er than allo ting non-co ted & appr 756-14A
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## 3011 **Building Information** For Code Analyses

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CASE 1 – SINGLE OCCUPANCY OR NON-SEPARATED USES (302.3.1) Using Table 503, identify the allowable height and area of the single occupancy or the most restrictive of the non-separated mixed occupancies. Construction types providing an allowable tabular area equal to or greater than the adjusted building area and allowable heights (as modified by Section 504) equal to or greater than the actual building height are permitted.

DETERMINE	CONSTRUCTION TYPE	A	LLOWABLE	AREA (506.4)	
Actual building area	ft	<sup>2</sup> Allowable area p	er floor (A <sub>a</sub> )		
Adjusted building area	f	<sup>2</sup> x		=	ft <sup>2</sup>
	actual building area + conversion facto	r conversion factor	tabular area	(Table 503)	
Actual building height	feet stories	Total floor area (	all stories)	5	ft <sup>2</sup>
Allowable building height	feet stories	Allowable floor a	rea (all stories	)	
Permitted construction type	5	>		=	ft <sup>2</sup>
Type of construction assum for review (602.1.1)	ed	Allowable area per floor (A <sub>a</sub> )	Number of st (maximum 3)	tories )	

### CASE 2 - MIXED OCCUPANCY SEPARATED USES (302.3.2)

Using Table 503, identify the allowable height and area of each of the separated uses within the building. Construction types providing for each story of the building, tabular areas (as modified by Section 506), which result in a sum of the ratios of 1.00 or less and allowable heights (as modified by Section 504) equal to or greater than the actual height of the use are permitted.

Story	Group	Actual area	floor a	Adjusted floor area*		Actual height		ial ht	Allowable height				
1 & 2	В	N/A	ft <sup>2</sup>	N/A	ft <sup>2</sup>	27'-4"	ft	2	stories	55'-0"	ft	4	stories
1 & 2	A-3	N/A	ft <sup>2</sup>	N/A	ft <sup>2</sup>	44'-0"	ft	2	stories	55'-0"	ft	2	stories
1	F-2	N/A	ft <sup>2</sup>	N/A	ft <sup>2</sup>	27'-4"	ft	1	stories	55'-0"	ft	3	stories
5. 31			ft <sup>2</sup>		ft <sup>2</sup>	40 0. 52 5	ft		stories		ft		stories
		(c).	ft <sup>2</sup>		ft <sup>2</sup>	3 ž	ft		stories		ft		stories
		1.	ft <sup>2</sup>		ft <sup>2</sup>		ft		stories		ft		stories
9 (1)	1	6. 2	ft <sup>2</sup>	2	ft <sup>2</sup>	10	ft		stories		ft		stories
-	Adjusted	floor area *	N/A	=		+	+		+		=		≤ 1.00

\_\_\_\_\_

 $\sum \frac{\text{Adjusted floor area * N/A}}{\text{Allow. tab. area, At (Table 503)}} =$ 

\*Adjusted floor area = actual floor area ÷ conversion factor

Not Applicable: The existing building is 167,975 sqft of separated mixed use occupancy containing use groups A-3, B & F-1. The largest existing floor plate (first floor) is larger than allowed by the 2003 IBC section 302.3.2. A Code Modification Request to extend the existing non-conforming condition and allow for an addition to the existing building has been submitted & approved to the Office of the State Building Inspector. The Code Modification approval # M-756-14A

CT DCS - 3011 (Rev. 04.01.14)

3000 - Design Phase Forms

Const	Division Of Bruction Services	Building For Cod	3011 Information le Analyses
			Page 5 of 5
	CONNECTICUT S	TATE FIRE SAFETY CODE	
1.0	CLASSIFICATION OF OCCUPANCY:	A-3, B & F-2 SEPERATED MIXED USE	
2.0	CONSTRUCTION CLASSIFICATION:	2B	
3.0	MINIMUM CONSTRUCTION TYPE REQUIRED;	2B	
4.0	ACTUAL CONSTRUCTION TYPE PROVIDED:	2B	
5.0	NOTIFICATION/ALARMS:	FURNISHED PER CODE	
6.0	DETECTION:	FURNISHED PER CODE	
7.0	EXTINGUISHMENT REQUIREMENTS:	FURNISHED PER CODE	

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### 3011 **Building Information** For Code Analyses

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A

B

С

D

E

F

## ALLOWABLE AREA (506.4)

Allowable area per floor (A) Not Applicable: The existing building is 167,975 sqft of separated mixed use occupancy containing ouse groups A-3, B & F-1. The largest existing floor plate (first floor) is larger than allowed by the 2003 IBC section 302.3.2. A Code Modification Request to extend the existing non-conforming nondition and allow for an addition to the existing building has been submitted & approved to the Office of the State Building Inspector. The Code Modification approval # M-756-14A

_	11166	2/411120 (000)		
J/A	Area limitation (505.2)	N/A	Openness (505.4)	
N/A Egress (505.3) N/A			Equipment platforms (505.5)	
	UNLIMITED A	AREA BUILDINGS	(507)	
N/A	Unsprinklered, one story (507.1)	N/A	High-hazard use groups (507.6)	
N/A	Sprinklered, one story (507.2)	N/A	Aircraft paint hangar (507.7)	
N/A	Two story (507.3)	N/A	Group E buildings (507.8)	
N/A	Reduced open space (507.4)	N/A	Motion picture theaters (507.9)	
N/A	Group A-3 buildings (507.5)			

Special condition applicable (508.1)

CT DCS - 3011 (Rev. 04.01.14)

3000 - Design Phase Forms



STAIRWAY CHAIRLIFTS/2003

PLUMBING FIXTURE CALCULATIONS									
ASSEMBLY - 217 OCCUPAN	NTS								
SPACE WATER CLOSETS - MEN	<u>SQ. FT.</u> 1:125 1:65	<u>OCC.</u> 108.5	<u>WC-M</u> .87	<u>WC-W</u>	<u>LAV</u>	<u>DF</u>			
LAVATORIES DRINKING FOUNTAINS	1:200 1:500	217 217 217		1.07	1.08	.43			
BUSINESS - 13 OCCUPANT	S								
SPACE WATER CLOSETS - MEN	<u>SQ. FT.</u> 1:25	<u>OCC.</u> 6.5	<u>WC-M</u> .26	<u>WC-W</u>	LAV	<u>DF</u>			
LAVATORIES DRINKING FOUNTAINS	1:25 1:40 1:100	6.5 13 13		.26	.33	13			
MERCANITLE - 35 OCCUPA	NTS								
<u>SPACE</u> WATER CLOSETS - MEN WATER CLOSETS - WOMEN	<u>SQ. FT.</u> 1:500 1:500	<u>OCC.</u> 17.5 17.5	<u>WC-M</u> .035	<u>WC-W</u> 035	<u>LAV</u>	<u>DF</u>			
LAVATORIES DRINKING FOUNTAINS	1:750 1:1000	35 35			.046	.035			
STORAGE - 7 OCCUPANTS									
<u>SPACE</u> WATER CLOSETS - MEN WATER CLOSETS - WOMEN	<u>SQ. FT.</u> 1:100 1:100	<u>OCC.</u> 3.5 3.5	<u>WC-M</u> .035	<u>WC-W</u> 035	<u>LAV</u>	<u>DF</u>			
LAVATORIES DRINKING FOUNTAINS	1:100 1:100 1:1000	7		.000	.07	.007			
TOTAL - 272 OCCUPANTS									
<u>SPACE</u> WATER CLOSETS - MEN WATER CLOSETS - WOMEN			<u>WC-M</u> 1.2	<u>WC-W</u> 2.0	<u>LAV</u>	DF	<u>REQUIRED</u> 2 2	PROVIDED 2 2	
LAVATORIES DRINKING FOUNTAINS SERVICE SINK				2.0	1.53	.602	2 1 1	4 2 1	

4



# CODE MODIFICATIONS ON FILE

CODE MODIFICATION M-247-13 CODE MODIFICATION TO ALLOW AN ADDITION TO A BUILDING THE EXCEEDS THE AREA LIMITATIONS OF TABLE 503 OF THE CONNECTICUT

STATE BUILDING CODE							
CODE MODIFICATION M-756-14A CODE MODIFICATION TO ALLOW AN ADDITION TO A BUILDING THE EXCEEDS THE AREA LIMITATIONS OF TABLE 503 OF THE CONNECTICUT STATE BUILDING CODE							
CODE MODIFICATION M-756-14B CODE MODIFICATION TO ALLOW THE FENESTRATIONS OF THE NEW ADDITION T 502.3.1 OF THE 2009 INTERNATIONAL ENERGY CODE	TO EXCEED 40% OF THE GROSS WALL AREA PER SECTION						
CODE MODIFICATION M-873-14 CODE MODIFICATION TO TEMPORAILY REDUCE THE EGRESS CAPACITY OF THE CONSTRUCTION WHILE ONE OF THE REQUIRED EGRESS STAIRS IS BEING RE-C	EXISTING SECOND FLOOR TO 640 PEOPLE DURING ONSTRUCTED.	G					
		_					
FIRST FLOOR STATISTICS	SECOND FLOOR STATISTICS						
EXISTING FLOOR PLATE: 127, 218 sqft	EXISTING FLOOR PLATE: 40,757 sqft						
AREA TO BE DEMOLISHED: 10,139 sqft	AREA TO BE DEMOLISHED: 355 sqft						
EXISTING TO REMAIN: <u>117,079 sqft</u>	EXISTING TO REMAIN: <u>40,402 sqft</u>						
PROPOSED ADDITION: 10,204 sqft	PROPOSED ADDITION: 4,815 sqft						
PROPOSED FLOOR PLATE: 127,283 sqft	PROPOSED FLOOR PLATE: 45,217 sqft						
NET FLOOR PLATE CHANGE +65 sqft	NET FLOOR PLATE CHANGE: +4,460 sqft	-					
OVERALL EXISTING BUILDING SQUARE FOOT	AGE <u>167,975 SF</u> DTAGE <u>172,500 SF</u>	I					
drawing title CODE SUMMARY D REVISIONS	TATE OF CONNECTICUT EPARTMENT OF ADMINISTRATIVE SERVICES IVISION OF CONSTRUCTION SERVICES						
mark     date     description     draw       1     08/20/2015     ADDENDUM #4	ing prepared by: TECTON ARCHITECTS ONE HARTFORD SQUARE WEST HARTFORD, CT 06106 date: 04-27- scale As ind production le TR	-2015 icated ader RM					
proje C C 1	AMPUS RENOVATIONS - ASNUNTUCK OMMUNITY TECHNICAL COLLEGE 70 ELM STREET	iger: J <u>K</u> <u>iect: J</u> <u>M</u> <u>L.</u>					
	Ct number: BI-CTC-437	.2					
	1	]					

STRUCTURAL GENERAL NOTES					
GENERAL 1 SEE ARCHITECTURAL MECHANICAL ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR AD		FOUNDATION	MASONRY	OPEN-WEB STEEL JOISTS	
<ol> <li>SEE ARCHITECTORAL, MECHANICAL, ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR AD DETAILS. ALSO, SEE STRUCTURAL SPECIFICATIONS.</li> <li>STRUCTURAL CONDITIONS WHERE SECTIONS OR DETAILS ARE CUT SHALL ALSO APPLY TO</li> </ol>	COMPARABLE SIMILAR	1. FOOTINGS ARE INTENDED TO BEAR ON SUITABLE UNDISTURBED MATERIAL UNLESS OTHERWISE NOTED. THE SOIL SUBGRADE FOR ALL FOOTINGS AND SLABS ON GRADE SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER OR THE OWNER'S TESTING LABORATORY. IMMEDIATELY PRIOR TO PLACING FOOTING FORMS AND CONCRETE	<ol> <li>DESIGN CRITERIA ACI 530.1:</li> <li>HOLLOW UNITS- ASTM C 90, GRADE N, TYPE 1 - MOISTURE CONTROLLED.</li> </ol>	<ul> <li>A) DESIGN FABRICATION AND ERECTION. SJI SPECS, 'K' SERIES.</li> <li>B) DESIGN NET WIND UPLIFT PRESSURE = 15 PSF.</li> </ul>	# NUMBER OR POUND
LOCATIONS ELSEWHERE ON THE PLANS REGARDLESS IF THE SECTION MARK IS NOT INDIC/ TO ALL SIMILAR CONDITIONS UNLESS OTHERWISE NOTED. DO NOT SCALE DRAWINGS.	ATED. DETAILS SHOWN APPLY	CONTRACTORY IMMEDIATELY PRIOR TO PLACING FOOTING FORMS AND CONCRETE. CONTRACTOR SHALL NOTIFY THE STRUCTURAL AND GEOTECHNICAL ENGINEERS WHERE PROPOSED FOOTING ELEVATIONS WOULD BEAR ON UNSUITABLE MATERIAL AND PROCEED AS DIRECTED.	B) SOLID UNITS- ASTM C 90, GRADE N, TYPE 1 - MOISTURE CONTROLLED.	C) DETAILS: JOISTS TO BE WELDED OR BOLTED TO SUPPORTS. EXTEND BOTTOM CHORD OF JOIST TO COLUMN IN COLUMN LINES WITH A SLIDE CONNECTION IN ACCORDANCE WITH OSHA	& AND
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, QUAN PRIOR TO BEGINNING OF ANY NEW CONSTRUCTION. NOTIFY ENGINEER/ARCHITECT OF ANY IMMEDIATELY.	ITITIES, ETC., IN THE FIELD / DISCREPANCIES FOUND	2. FOUNDATION WALLS AND RETAINING WALLS WITH FINISH GRADE EQUAL ON BOTH SIDES SHALL BE BACKFILLED ON BOTH SIDES, SO THAT THE MAXIMUM VARIATION IN ELEVATION IS	<ul><li>CONCRETE BUILDING BRICK- ASTM C55</li><li>MORTAR- ASTM C 270, TYPE S, FOR REINFORCED AND LOAD BEARING MASONRY AND MASONRY</li></ul>	D) CONCENTRATED LOADS: ATTACHMENT IN SUCH MANNER OR AT SUCH LOCATION THAT LOCAL	AESS ARCHITECTURAL EXPOSED STRUCTURAL STEEL
4. CONTRACTOR SHALL VERIFY AND COORDINATE THE DIMENSIONS, LAYOUT AND DETAILS OF PENETRATIONS, SLEEVES, SLAB DEPRESSIONS, DRAINS, EQUIPMENT PADS, BLOCKOUTS, S CONTRACTOR SHALL REVIEW ALL OF THE CONTRACT DOCUMENTS AND CONSULT WITH TH	F ALL OPENINGS, SLOPED SLABS, ETC. IE SUBCONTRACTORS AND	GROUND LEVEL SLABS HAVE BEEN POURED AND THE CONCRETE HAS ATTAINED THE SPECIFIED 28-DAY STRENGTH. DO NOT BACKFILL AGAINST RETAINING WALLS UNTIL THE CONCRETE HAS ATTAINED THE SPECIFIED 28-DAY STRENGTH.	<ul><li>BELOW GRADE IN CONTACT WITH EARTH.</li><li>E) GROUT- ASTM C 476 - 2000 PSI (MINIMUM)</li></ul>	DIVISION 5 FOR ADDITIONAL REINFORCING REQUIRED WHERE CONCENTRATED LOADS FALL BETWEEN PANEL POINTS (SUBJECT TO ENGINEER'S APPROVAL).	AFF ABOVE FINISHED FLOOR ARCH ARCHITECTURAL/ARCHITECT AVG AVERAGE
SUPPLIERS TO OBTAIN THE REQUIRED INFORMATION. OPENINGS, PENETRATIONS, SLEEVES EQUIPMENT PADS, BLOCKOUTS, SLOPED SLABS, ETC. THAT VARY FROM OR HAVE NOT BEE STRUCTURAL DOCUMENTS, SHALL BE INSTALLED AT NO ADDITIONAL COST, ONLY AFTER AF ENGINEER HAS BEEN OBTAINED	S, SLAB DEPRESSIONS, DRAINS, IN INDICATED ON THE PPROVAL BY THE STRUCTURAL	3. DO NOT USE EQUIPMENT WEIGHING MORE THAN 5000 POUNDS WITHIN (10) FEET OF ALL WALLS. EQUIPMENT WEIGHING MORE THAN 5000 POUNDS SHALL NOT BE USED ADJACENT TO WALLS,	F) COMPRESSIVE STRENGTH OF MASONRY - f'm = 1500 PSI (MINIMUM)	E) PROVIDE BRIDGING AS NOTED ON PLAN AND/OR IN ACCORDANCE WITH SJI SPECIFICATION AND ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS.	B/S BOTH SIDES BF BRACE FRAME BFE BOTTOM OF FOOTING ELEVATION BLDG BUILDING
<ol> <li>CONTRACTOR SHALL VERIFY AND COORDINATE THE FINAL LOCATION, LAYOUT, AND DETAIL</li> <li>MECHANICAL FOURMENT, DRAINS, MECHANICAL SHAFTS, ETC. THE CONTRACTOR SHALL C</li> </ol>		<ul><li>EXCEPT AS EXPRESSLY APPROVED BY THE ENGINEER.</li><li>4. NO FOOTING OR SLABS SHALL BE PLACED INTO OR AGAINST SUBGRADE CONTAINING FREE</li></ul>	<ul><li>G) VERTICAL AND HORIZONTAL REINFORCEMENT ASTM A 615, GRADE 60.</li><li>H) ALL MASONRY CONSTRUCTION MUST BE FULLY INSPECTED.</li></ul>	<ul><li>F) ALL JOISTS TO BE EVENLY SPACED WITHIN BAYS UNLESS OTHERWISE NOTED ON PLANS.</li><li>G) ALL JOISTS HAVING A SUPPORT SPACING OF 40 FEET OR GREATER MUST BE BOLTED TO</li></ul>	BEDG BOILDING BM BEAM BOT BOTTOM
SUBCONTRACTORS AND SUPPLIERS TO OBTAIN THE REQUIREMENTS FOR EQUIPMENT AND PROVIDED FOR THE PROJECT. VARIATIONS TO THE FRAMING INDICATED ON THE STRUCTUR COORDINATED AND INSTALLED AT NO ADDITIONAL COST, AFTER REVIEW AND APPROVAL B	O/OR MATERIALS THAT WILL BE RAL DOCUMENTS SHALL BE BY THE STRUCTURAL ENGINEER	<ul><li>WATER, FROST OR ICE.</li><li>5. PROVIDE AN ADEQUATE DEWATERING SYSTEM TO MAINTAIN DRY EXCAVATIONS.</li></ul>	2. MASONRY SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI530.1 "SPECIFICATION FOR MASONR' STRUCTURES". ALL MASONRY REINFORCING SHALL BE POSITIONED AND SECURED PRIOR TO PLACING GROUT. "WET STICKING" OF REINFORCING INTO GROUT IS NOT REPAILTED. REMOVAL AND	SUPPORTS. Y TEMPORARY SHORING	C CHANNEL CANT CANTILEVER CFMF COLD-FORMED METAL FRAMING CJ CONTROL JOINT
<ol> <li>AT EXTERIOR WINDOW SYSTEMS AND EXTERIOR (STORE FRONT/CURTAIN) WALL SYSTEMS: POSITIVE ATTACHMENT TO THE CONCRETE SLAB/BENT PLATE POUR STOP AT FLOOR LEVEL</li> </ol>	: CONTRACTOR TO PROVIDE	6. ANY CHANGES IN THE DIMENSIONS OR DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW. ALL EXISTING CONSTRUCTION AND UTILITIES SHALL BE SAFEGUARDED AND PROTECTED FROM DAMAGE OR SETTLEMENT	REPLACEMENT OF IMPROPERLY CONSTRUCTED MASONRY SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.	1. THE CONTRACTOR SHALL ENGAGE THE SERVICES OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE PROJECT IS CONSTRUCTED TO PREPARE ALL SUBMITTALS REQUIRED AND TO BE FULLY RESPONSIBLE FOR DETAILED DESIGN AND CONSTRUCTION	CL CENTER LINE CLR CLEAR CMU CONCRETE MASONRY UNIT CO UNDERDRAIN CLEANOUT
AT ROOF LEVELS OR FLOOR AREAS WITHOUT SLABS, AND TO THE BOTTOM OF HUNG LINTE OPENINGS. PROVIDE VERTICAL SLIP CONNECTIONS AS INDICATED ON CONTRACT DOCUME STRUCTURAL STEEL AT OTHER LOCATIONS IS PROHIBITED UNLESS APPROVED BY THE ENO	EL ASSEMBLIES AT SLAB ENTS. ATTACHMENT TO GINEER OF RECORD. ANY	DURING EXCAVATION AND CONSTRUCTION. ALL DIMENSIONS AND DETAILS RELATING TO THE EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.	3. COURSING AND REINFORCING IS SHOWN DIAGRAMMATICALLY TYPICALLY IN THE DOCUMENTS. IT IS NOT THE INTENT OF THE DOCUMENTS TO DELINEATE EVERY COURSING CONDITION, GROUTED COURSE/CORE, ANCHORAGE, OR REINFORCING INSTANCE REQUIRED. THE CONTRACTOR SHALL	SPECIFICATIONS AND PROVIDE SUPERVISION DURING CONSTRUCTION OF THE TEMPORARY SHORING WORK.	COL COLUMN CONC CONCRETE CONST CONSTRUCTION
ADDITIONAL BRACING OF THE STRUCTURAL STEEL (AS DETERMINED BY THE ENGINEER OF CONTRACTORS REQUEST TO USE ALTERNATE ATTACHMENT LOCATIONS SHALL BE FURNIS SAID CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.	SHED AND INSTALLED BY THE	7. THE CONTRACTOR SHALL LOCATE AND COORDINATE REQUIRED SLEEVES AND BLOCKOUTS THROUGH FOUNDATION WALLS WITH OTHER TRADES. THESE OPENINGS SHALL BE ADDRESSED ON REBAR SHOP DRAWINGS WHEN SUBMITTED TO STRUCTURAL ENGINEER FOR APPROVAL		2. THE CONTRACTOR AND THE CONTRACTOR'S ENGINEER SHALL DESIGN, FORNISH, INSTALL AND PERFORM THE NECESSARY WORK REQUIRED TO SAFELY SUPPORT, PROTECT AND MAINTAIN EXISTING CONSTRUCTION. ANY MOVEMENT OR DAMAGE OF THE BUILDING OR STRUCTURE SHALL BE CORRECTED TO THE SATISFACTION OF THE OWNER AND ENGINEER AT THE SOLE	COORD COORDINATE DEMO DEMOLITION
1. ALLOWABLE UNIT STRESSES AND DESIGN CRITERIA IN ACCORDANCE WITH THE FOLLOWING	G-	<ol> <li>FOOTINGS SHALL BE CENTERED ON COLUMN LINES UNLESS OTHERWISE NOTED. WALL FOOTINGS SHALL BE CENTERED ON WALLS UNLESS OTHERWISE NOTED.</li> </ol>	<ol> <li>ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS'.</li> </ol>	<ul> <li>3. THE CONTRACTOR'S ENGINEER SHALL PREPARE A REPORT OF THE STRUCTURAL</li> <li>PREPARE A REPORT OF THE STRUCTURAL</li> </ul>	DIA DIAMETER DIAG DIAGONAL DIM DIMENSION DOF DECK OPENING FRAME
A) 'THE 2003 INTERNATIONAL BUILDING CODE' WITH THE '2005 STATE OF CONNECTICUTSUPP CONNECTICUT AMENDMENT', THE '2011 STATE OF CONNECTICUT AMENDMENT', AND THE '20 AMENDMENT'.	PLEMENT', THE '2009 STATE OF 013 STATE OF CONNECTICUT	FOUNDATION UNDERPINNING	2. ALL WELDING ELECTRODES SHALL BE E70XX UNLESS OTHERWISE NOTED.	PRECONDITION SURVEY OF THE EXISTING BUILDING. THIS ON-SITE SURVEY SHALL BE DONE IN THE PRESENCE OF A REPRESENTATIVE FOR THE OWNER OF THE EXISTING BUILDING. THIS PRECONDITION SURVEY REPORT SHALL INCLUDE A DETAILED ON-SITE INSPECTION OF THE INTERIOR AND THE EXTERIOR OF THE BUILDING WITH PHOTOGRAPHS OF THE INTERIOR OF THE	DWGS DRAWINGS EA EACH EF EACH EACE
3) 'MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES'. ASCE/SEI 7-02.		1. THE CONTRACTOR SHALL ENGAGE THE SERVICES OF A PROFESSIONAL ENGINEER HAVING A MINIMUM OF 10 YEARS EXPERIENCE IN UNDERPINNING AND SOIL RETENTION WORK, WHO IS REGISTERED IN THE STATE OF CONNECTICUT AND WILL PREPARE ALL SUBMITTALS REQUIRED AND BE FULLY RESPONSIBLE FOR DETAILED DESIGN AND CONSTRUCTION	3. ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-325 OR ASTM A-490.	<ul> <li>BUILDING SHOWING EXISTING CONDITIONS.</li> <li>4. THE CONTRACTOR'S ENGINEER SHALL SUBMIT A COMPLETE SEALED, DETAILED DESIGN IN THE</li> </ul>	EF EACH FACE EJ EXPANSION JOINT EL ELEVATION ELEC ELECTRICAL
'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN AND PL SUPPLEMENT NO.1, 2001.	ASTIC DESIGN', AISC 1989, WITH	SPECIFICATIONS AND PROVIDE SUPERVISION DURING CONSTRUCTION OF THE UNDERPINNING WORK.	4. ALL WELDING SHALL BE BY CERTIFIED WELDERS AND SHALL CONFORM TO AWS 'CODE OF ARC AND GAS WELDING IN BUILDING CONSTRUCTION', LATEST EDITION.	FORM OF COMPUTATIONS AND WORKING SHOP DRAWINGS AND CALCULATIONS FOR REVIEW AND COMMENT BY THE ENGINEER. THE SUBMITTAL SHALL INCLUDE ALL CONSTRUCTION SEQUENCES, METHODS, DETAILS, SPECIFICATIONS, DESIGN LOADS AND OPERATIONS NECESSARY FOR DROPER EXECUTION OF THE TEMPORARY SHOPING WORK, THE	EOS EDGE OF SLAB EQ EQUAL EW EACH WAY EX EXISTING
<ul> <li>'SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS' AISC 341-02.</li> <li>'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE', ACI 318-02.</li> </ul>		2. THE FOUNDATION CONTRACTOR'S PROFESSIONAL ENGINEER SHALL PROVIDE SEALED STRUCTURAL DESIGN CALCULATIONS AND DRAWINGS FOR ALL RETENTION AND UNDERPINNING SYSTEMS TO THE OWNER'S STRUCTURAL ENGINEER AND/OR	5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ERECTION PROCEDURES AND SEQUENCES INCLUDING TEMPORARY BRACING AND SHORING.	CONTRACTOR SHALL SCHEDULE A MINIMUM 15 DAYS FOR REVIEW.	EXT EXTERIOR FD FLOOR DRAIN
'BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES', ACI 530-02.		GEOTECHNICAL ENGINEER FOR REVIEW. SOIL PRESSURES AND GUIDELINE CRITERIA ESTABLISHED BY THE OWNER'S GEOTECHNICAL ENGINEER SHALL BE UTILIZED.	6. THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.	1. AISI SPECIFICATIONS AND STANDARDS: COMPLY WITH AISI'S "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" AND IT'S "STANDARD FOR	FDN FOUNDATION FF FINISHED FLOOR FS FOOTING STEP FT FOOT/FEET
NORTH AMERICAN SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL ME AISC-STANDARD FOR COLD-FORMED STEEL FRAMING-GENERAL PROVISIONS', 2001.	EMBERS', NASPEC 2001.	3. I HE FOUNDATION CONTRACTOR SHALL SUBMIT RETENTION SYSTEM BRACING AND/OR TIEBACK SYSTEM INCLUDING TESTING PROCEDURES FOR LATERAL TIEBACK, AND EXCAVATION CONSTRUCTION SEQUENCES IN WRITING TO THE STRUCTURAL ENGINEER AND/OR GEOTECHNICAL ENGINEER FOR REVIEW.	ANT ADDITIONAL STEEL REQUIRED BY THE CONTRACTOR FOR ERECTION PURPOSES AND SITE ACCESS OR MATERIALS FOR STOCKPILING STEEL SHALL BE PROVIDED AT NO COST TO THE OWNER. ALL SUCH ADDITIONAL STEEL SHALL BE REMOVED BY THE CONTRACTOR UNLESS APPROVED BY THE OWNER IN WRITING.	2. THE CONTRACTOR SHALL ENGAGE THE SERVICES OF A PROFESSIONAL ENGINEER HAVING A	FTG FOOTING GALV GALVANIZED GR GRADE
'STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR STEEL JOISTS AND J	JOIST GIRDERS', SJI-94.	4. SUBMIT CONTRACTOR'S AND CONTRACTOR'S ENGINEERS QUALIFICATIONS FOR ENGINEER'S REVIEW PRIOR TO START OF WORK.	8. PROVIDE FULL DEPTH WEB STIFFENER PLATES, BOTH SIDES, FOR ALL BEAMS CONTINUOUS OVER COLUMNS, AND FOR BEAMS SUPPORTING POSTS FROM ABOVE. PROVIDE PLATE AT EACH FLANGE	MINIMUM OF 5 YEARS EXPERIENCE IN DESIGN AND DETAILING OF COLD-FORMED METAL FRAMING, WHO IS REGISTERED IN THE PROJECT JURISDICTION TO PREPARE ALL SUBMITTALS REQUIRED.	HORIZ HORIZONTAL HSS HOLLOW STRUCTURAL SECTIONS
LIVE LOADS:		5. THE CONTRACTOR AND THE CONTRACTOR'S ENGINEER SHALL DESIGN, FURNISH, INSTALL AND PERFORM THE NECESSARY APPROACH EXCAVATION, PIT EXCAVATION, TIMBER	<ul><li>OR WEB OF COLUMN OR POST.</li><li>9. FABRICATE AND ERECT ALL BEAMS WITH CAMBER UP.</li></ul>	3. THE CONTRACTOR'S ENGINEER SHALL SUBMIT A COMPLETE SEALED, DETAILED DESIGN IN THE FORM OF COMPUTATIONS, WORKING SHOP DRAWINGS AND CALCULATIONS FOR REVIEW AND COMMENT BY THE STRUCTURAL ENGINEER OF RECORD, THE OUR WITTAL OUT IN DUTIES AND	ID INSIDE DIAMETER IN INCH(ES) INT INTERIOR
ROOF: - GROUND SNOW LOAD (Pg)	35 PSF	LAGGING, JACKS, CONCRETING, WEDGING, SHIMMING DRY PACKING AND ALL OTHER WORK REQUIRED TO SAFELY SUPPORT, PROTECT AND MAINTAIN THE INTERIOR AND EXTERIOR OF THE BUILDINGS IN THEIR EXISTING CONDITION. ANY MOVEMENT OR DAMAGE TO THE BUILDING OR ADJACENT PROPERTY SHALL BE CORRECTED TO THE SATISFACTION OF THE	10. SHOP AND FIELD TESTING OF WELDS AND BOLTS BY TESTING LAB SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 051200, SHOP QUALITY CONTROL, AND FIELD QUALITY CONTROL.	FRAMING, CONNECTIONS, DETAILS, SPECIFICATIONS, AND DESIGN LOADS NECESSARY FOR THE COMPLETE DESIGN AND INSTALLATION OF ALL COLD-FORMED METAL FRAMING.	INV INVERT
- FLAT-ROOF SNOW LOAD (Pf)	40 PSF (PLUS DRIFT WHERE APPICABLE)	6 THE CONTRACTOR'S ENGINEER SHALL PREPARE A REPORT OF THE STRUCTURAL	12. STRUCTURAL STEEL FABRICATOR SHALL BE RESPONSIBLE FOR PROVIDING BRACING MEMBER END CONNECTIONS WITH A MINIMUM CAPACITY FOR FORCES GIVEN ON BRACED FRAME ELEVATIONS OR PLANS, WHEN PROVIDING CONNECTIONS, ALL AISC CODE REQUIREMENTS SHALL	4. ENGINEERING CALCULATIONS AND DATA SHALL BE SUBMITTED VERIFYING THE FRAMING ASSEMBLY'S ABILITY TO MEET OR EXCEED DESIGN REQUIREMENTS AS REQUIRED BY LOCAL CODES AND AUTHORITIES OR BY THE ARCHITECT. ALL CONNECTIONS (MEMBER TO MEMBER	
- SNOW EXPOSURE FACTOR (Ce)		PRECONDITION SURVEY OF THE EXISTING BUILDING. THIS ON-SITE SURVEY SHALL BE DONE IN THE PRESENCE OF THE CONTRACTOR'S ENGINEER AND A REPRESENTATIVE FOR THE OWNER OF THE EXISTING BUILDING. THIS PRECONDITION SURVEY REPORT SHALL INCLUDE A DETAIL ON SITE INSPECTION OF THE INFERIOR AND EXTEDIOR OF THE BUILDING WITH	BE MET AS APPLICABLE (I.E., NET SECTION, BLOCK SHEAR, ETC.) FOR THE MEMBERS AND GUSSET PLATES.	<ul> <li>AND MEMBER TO STRUCTURE) SHALL BE THOROUGHLY EXAMINED AND DESIGNED.</li> <li>SHOP DRAWINGS SHALL BE DOCUMENTS ILLUSTRATING MATERIALS, SHOP COATINGS, STEEL</li> </ul>	
- SNOW LOAD IMPORTANCE FACTOR (Is) FLOOR: (NEW ADDITION)	1.0	PHOTOGRAPHS OF THE INTERIOR AND THE EXTERIOR OF THE BUILDING SHOWING EXISTING CONDITIONS.	13. BEAM END CONNECTIONS SHALL BE SELECTED AND DETAILED FOR 1.25 TIMES THE REACTIONS INDICATED. A MINIMUM CONNECTION CAPACITY OF 6 KIPS SHALL BE PROVIDED. REACTIONS GOVERNED BY THE 6K MINIMUM ARE DESIGNATED AS " <wxxxxx>" ON PLAN, AND NEED NOT BE</wxxxxx>	LOCATION AND SPACING OF FABRICATION, DETAILS OF ATTACHMENT TO ADJOINING WORK, SIZE, LOCATION AND SPACING OF FASTENERS FOR ATTACHING FRAMING TO ITSELF, DETAILS OF ATTACHMENT TO STRUCTURE, ACCESSORIES AND THEIR INSTALLATION, AND CRITICAL INSTALLATION PROCEDURES. DRAWINGS MAY INCLUDE PLANS, ELEVATIONS, SECTIONS, AND	
- OFFICES, CONFERENCE ROOMS, LOUNGES	100 PSF	7. THE CONTRACTOR'S ENGINEER SHALL SUBMIT A COMPLETE SEALED, DETAILED DESIGN IN THE FORM OF COMPUTATIONS, WORKING SHOP DRAWINGS AND CALCULATIONS FOR REVIEW AND COMMENT BY THE STRUCTURAL AND GEOTECHNICAL ENGINEERS. THE SUBMITTAL	14. CONNECTIONS WHERE NO END REACTIONS ARE INDICATED MAY BE ESTIMATED FOR A REACTION	<ul><li>6. ALL COLD-FORMED METAL FRAMING SHALL BE DESIGNED IN ACCORDANCE WITH THE CURRENT</li></ul>	
- STAIRS/CORRIDORS - MECHANICAL ROOM	100 PSF 150 PSF	SHALL INCLUDE ALL CONSTRUCTION SEQUENCES, METHODS, DETAILS, SPECIFICATIONS, DESIGN LOADS AND OPERATIONS NECESSARY FOR PROPER EXECUTION OF THE FOUNDATION UNDERPINNING ANDSOIL RETENTION WORK. THE CONTRACTOR SHALL SCHEDULE A MINIMUM OF 15 DAYS FOR REVIEW	COMPOSITE BEAMS WITH NO END REACTION INDICATED MAY BE ESTIMATED FOR 1.5 TIMES ONE HALF THE ALLOWABLE UNIFORM LOAD FOR THE BEAM SPAN. FOR FINAL DESIGN PURPOSES, THE FABRICATOR SHALL SUBMIT AN RFI TO THE ENGINEER TO REQUEST VALUES FOR ANY REACTIONS	STATE APPLICABLE BUILDING CODES. DESIGN SHALL CONSIDER ALL APPLICABLE LOAD COMBINATIONS, AND SHALL INCLUDE, BUT NOT LIMITED TO THE AFFECTS OF DEAD LOAD, LIVE LOAD, SNOW LOAD, AND WIND AND SEISMIC LOADS AS REQUIRED.	
LATERAL LOADS: (NEW ADDITION)		8. THE CONTRACTOR'S ENGINEER SHALL HAVE A LICENSED LAND SURVEYOR, SET AT LEAST THREE PERMANENT CONTROL MARKS TO MONITOR HORIZONTAL AND VERTICAL MOVEMENT	<ul><li>15. STRUCTURAL STEEL FABRICATOR SHALL SUBMIT TO ENGINEER FOR REVIEW CALCULATIONS FOR</li></ul>	POST INSTALLED ANCHORS (PIA)	
WIND DESIGN DATA: - BASIC WIND SPEED (V)	95 MPH	ABOVE FINISHED GRADE ALONG THE BUILDING (SEE "7/S3.301"). HORIZONTAL AND VERTICAL MEASUREMENTS SHALL BE TAKEN ON THESE CONTROL MARKS USING TWO (2) SEPARATE SET-UPS BEFORE THE UNDERPINNING/SOIL RETENTION OPERATION STARTS, EVERY 24	EACH TYPE OF CONNECTION UTILIZED ON THE PROJECT TWO (2) WEEKS PRIOR TO SUBMITTING DETAILED SHOP DRAWING. FABRICATOR SHALL ALSO SUBMIT TO THE ENGINEER ANY SHOP STANDARD DETAILS APPLICABLE TO CONNECTIONS FOR USE ON THE PROJECT. SHOP DRAWINGS WILL NOT BE REVIEWED UNTIL THIS SUBMISSION IS MADE.	1. POST INSTALLED ADHESIVE ANCHORS SHALL BE INSTALLED USING A TWO-COMPONT MATERIAL MEETING ASTM C 881 REQUIREMENTS. SEE PROJECT SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS AND PRODUCTS.	
- WIND IMPORTANCE FACTOR (Iw)	1.15	ADJACENT EXCAVATION OPERATIONS. THESE READINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER AT THE END OF THE WORKING DAY ON WHICH THEY WERE TAKEN. THE STRUCTURAL ENGINEER MAY ORDER MORE FREQUENT READINGS TO BE TAKEN ON	16. PRIOR TO INSTALLATION OF SPRAY-ON FIREPROOFING, THE CONTRACTOR SHALL REMOVE ALL LOOSE MILL SCALE.	2. POST INSTALLED MECHANICAL ANCHORS: SEE PROJECT SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS AND PRODUCTS.	
- BUILDING OCCUPANCY CATEGORY - WIND EXPOSURE	C	SPECIFIC CONTROL MARKS WHEN, IN HIS OPINION, IT IS WARRANTED. ACCURACY OF ALL SURVEY WORK SHALL BE WITHIN 1/16 OF AN INCH, BOTH HORIZONTALLY AND VERTICALLY.	17. PROVIDE DECK OPENING FRAMES FOR ALL OPENINGS IN FLOOR DECK AND ROOF DECK 12" AND LARGER, INCLUDING SUMP PANS. SEE "5/S4.400". COORDINATE FINAL QUANTITY AND LOCATION	3. ALL POST INSTALLED ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.	
- INTERNAL PRESSURE COEFFICIENT (GC/PI)	+/- 0.18	<ol> <li>SEQUENCE THE UNDERPINNING/SOIL RETENTION WORK PER ALL APPROVED SUBMITTALS.</li> <li>SEE SPECIFICATION SECTIONS 312001 AND 315000 FOR ADDITIONAL REQUIREMENTS.</li> </ol>	<ul><li>WITH ARCHITECTURAL AND MEP DRAWINGS.</li><li>18. ALL FIELD WELDS SHALL BE SCRAPED AND CLEANED FREE OF SLAG BY WELDER/ERECTOR TO</li></ul>	4. TESTING AGENCY SHALL RANDOMLY REVIEW ANCHORING INSTALLATION TO VERIFY CONFORMANCE WITH CONTRACT DOCUMENTS AND MANUFACTURER'S INSTALLATION REQUIREMENTS. INITIAL INSPECTIONS SHALL OCCUR AT FIRST APPLICATION FOR EACH TYPE OF ANCHOR TO VERIEX CONFORMANCE. THE MUMBER OF DOST INSTALLED ANCHOR	
- COMPONENTS AND CLADDING WIND DESIGN PRESSURE	THE MORE STRINGENT OF ASCE 7-02 CHAPTER 6 AND FM GLOBAL REQUIREMENTS	CONCRETE	<ul> <li>ENABLE VISUAL WELD INSPECTION.</li> <li>19. FIELD WELDING TO GALVANIZED STEEL: PRIOR TO FIELD WELDING CONNECTIONS, ZINC COATING</li> </ul>	INSTALLED ANCHOR INSTALLATIONS TO BE WITNESSED BY THE OWNER'S TESTING AGENCY SHALL MEET THE FOLLOWING CRITERIA:	
EARTHQUAKE DESIGN DATA:	$\sim$ $1$	1. KEY FOUNDATION WALLS TO FOOTINGS AND SLABS TO SUPPORT WALLS. KEY SHALL BE FORMED WITH WOOD AND BE 11/2" DEEP. KEY WIDTH SHALL BE 1/3 THE WALL THICKNESS	AT ALL WELD CONNECTION AREAS SHALL BE REMOVED BY BURNING WITH OXYGEN FUEL GAS TORCH OR GRINDING TO BARE STEEL. APPLY A MINIMUM OF TWO COATS OF ZINC-RICH PAINT AFTER CLEANING COMPLETED WELD.	4a. A MINIMUM OF 25% OF ADHESIVE ANCHOR INSTALLATIONS PER SUB CONTRACTOR SHALL BE WITNESSED. THE PERCENTAGE WITNESSED MAY BE MODIFIED BY THE STRUCTURAL ENGINEER OF RECORD, DEPENDING UPON INITIAL RESULTS.	
- SEISMIC IMPORTANCE FACTOR (Ie) - SEISMIC USE GROUP	{ 1.25 	2. UNLESS OTHERWISE NOTED, REINFORCE ALL FOUNDATION WALLS WITH (2)-#5 BARS TOP AND BOTTOM CONTINUOUS. PROVIDE DOWELS AT CORNERS AND INTERSECTIONS - LAP ALL SPLICES 30 BAR DIAMETERS UNLESS OTHERWISE NOTED. ALL SPLICES IN CONCRETE BEAMS, CRADE DE AMO, AND ALL FOUNDATION WALLS SPANNING HORIZONTAL TO CONFORM TO ACI 218	20. UNLESS OTHERWISE NOTED, PROVIDE WELDED METAL TIES FOR MASONRY ON ALL BEAM WEBS, WHERE MASONRY WALLS RUN BY STEEL BEAMS. REFER TO DIVISION 4 OF SPECIFICATIONS.	4b. A MINIMUM OF 10% OF MECHANICAL ANCHOR INSTALLATIONS PER SUB CONTRACTOR SHALL BE WITNESSED. THE PERCENTAGE WITNESSED MAY BE MODIFIED BY THE STURCTURAL ENGINEER	
- MAPPED SPECTRAL ACCEL AT SHORT PERIODS (SS)	0.233	TENSION LAP SPLICES - SEE DEVELOPMENT LENGTH SCHEDULE ON DRAWING "S3.300".	21. ALL STRUCTURAL STEEL IN PROJECT TO MEET AESS REQUIREMENTS. SEE SPECIFICATION SECTION "051200" FOR ADDITIONAL INFORMATION AND REQUIREMENTS.	<ul> <li>5. LOAD TESTING OF POST INSTALLED ANCHORS MAY BE REQUESTED BY THE STRUCTURAL</li> <li>ENGINEER OF RECORD FOLLOWING THE RECUESTED BY THE STRUCTURAL</li> </ul>	STRUCT
- MAPPED SPECTRAL ACCEL AT 1-SEC PERIOD (S1) - SITE CLASS	0.065 E	SHALL EXTEND 2'-0" BEYOND EDGE OF OPENINGS. PROVIDE (2)-#5 x 5'-0" LONG DIAGONAL (ONE EACH FACE) AT ALL CORNERS.		REPORTS. LOAD TESTING SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.	S0.001 GENERAL NOTES
- DESIGN SPECTRAL ACCEL AT SHORT PERIODS (SDS)	0.388	4. DOWEL ALL VERTICAL REINFORCING STEEL IN WALLS, COLUMNS, PIERS, PIERS INTEGRAL WITH WALLS, ETC, INTO FOOTINGS.		0. SEE PROJECT SPOIL ICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.	SD1.101 FOUNDATION DE SD2.200 FRAMING DEMOL S1.100 GRID LAYOUT
- DESIGN SPECTRAL ACCEL AT 1 SEC PERIOD (SD1) - SEISMIC DESIGN CATEGORY	0.152 C	<ol> <li>AIR ENTRAIN ALL CONCRETE EXPOSED TO FREEZE THAW ACTION.</li> <li>POCKET WALLS WHERE NECESSARY FOR COLUMNS, BEAMS AND SLABS. POCKET TO BE</li> </ol>			S1.101 FOUNDATION PL S1.102 SLAB ON GRADE S2.200 SECOND FLOOR
- BASIC SEISMIC-FORCE-RESISTING SYSTEM(S)	STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED	<ul> <li>COMPLETELY FILLED WITH CONCRETE AFTER BEAM/COLUMN IS IN PLACE.</li> <li>7. THE CONTRACTOR SHALL COORDINATE REQUIRED SIZES OF ALL ISOLATION JOINTS AROUND COLUMN PASES AT SLAPS ON CRAPE. AND SIZE OF COLUMN PROVIDER WITH THE STATE OF COLUMN PROVIDER OF COLUMN PROVIDER OF COLUMN PROVIDER WITH THE STATE OF</li></ul>			S2.201SECOND FLOORS2.202ROOF FRAMINGS2.203ROOF EDGE OF
- DESIGN BASE SHEAR	145 KIPS (N-S DIRECTION) 145 KIPS (E-W DIRECTION)	COLUIVIN BASES AT SLABS ON GRADE, AND SIZE OF COLUMN POCKETS IN FOUNDATION WALLS TO ACCOMMODATE DIAGONAL LATERAL BRACING CONNECTION DETAILS WITHOUT CONCRETE INTERFERENCE. ENCASED BASE OF COLUMN TO PROVIDE A MINIMUM TWO (2") INCH CONCRETE COVER AROUND COLUMN AND BASE PLATES.			S2.204STAIR TOWER FFS3.300FOUNDATION DES3.301FOUNDATION DE
- SEISMIC RESPONSE COEFFICIENT (C/S)	0.13	8. ALL CONCRETE REINFORCING SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH ACI PROCEDURES AND THE			S3.302 FOUNDATION DE S3.303 FOUNDATION DE S3.304 FOUNDATION DE
- RESPONSE MODIFICATION FACTOR (R) - ANALYSIS PROCEDURE USED		REQUIREMENTS OF THE CODES IN THE PREVIOUSLY OUTLINED "CODES" SECTION AND THE 'MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES', ACI-315.			S4.400 FRAMING DETAIL S4.401 FRAMING DETAIL S4.402 FRAMING DETAIL
	PROCEDURE. LINEAR ELASTIC MODEL	9. CHECKED SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING CONSTRUCTION JOINTS, OPENINGS, REINFORCING SIZES, SPACING AND PLACEMENT SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION UNCHECKED SHOP			S4.403 FRAMING DETAIL S4.404 FRAMING DETAIL S5.500 COLUMN SCHED
PRESUMED SOIL BEARING PRESSURE (BASED ON DR. CLARENCE WELTI'S REPORT DATED JANURARY 15, 2013 AND TEST BORINGS.)	1.5 TSF	10. ALL WELDED WIRE FABRIC SHALL BE LAPPED TWO (2) FULL MESH PANELS AND TIED SECURELY			S6.600 BRACED FRAME I S7.700 MASONRY DETAIL Grand total: 24
- FROST DEPTH W SHAPES, STRUCTURAL STEEL SECTIONS UNLESS OTHERWISE NOTED.	3'-6" ASTM A992, Fy=50 KSI	11. CONSTRUCTION JOINTS IN ALL WALLS AND BEAMS SHALL NOTE BE SPACED FURTHER THAN 60 FEET IN ANY DIRECTION. HORIZONTAL WALL CONSTRUCTION JOINTS SHALL NOT BE PERMITTED			
ROLLED CHANNELS, ANGLES, PLATES AND SHAPES UNLESS OTHERWISE NOTED	ASTM A36, Fy=36 KSI	EXCEPT WHERE SHOWN. CONSTRUCTION JOINTS IN BASEMENT WALLS SHALL CONTAIN CONTINUOUS WATERSTOPS (SEE SPECS).			
MOMENT FRAME CONTINUITY PLATES HOLLOW STRUCTURAL SECTIONS (HSS) (RECTANGULAR)	ASTM A572 Fy=50 KSI ASTM A-500, GRADE B	<ol> <li>NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.</li> <li>SEE ARCHITECTURAL DRAWINGS FOR TYPE AND LOCATION OF ALL PARTITIONS, FLOOR FINISHES, FLOOR DEPRESSIONS AND CURPES COORDINATE OFFEN TO A STREET OF TO A STRE</li></ol>			
STRUCTURAL STEEL PIPES	GRADE C (ROUND), Fy=46 KSI ASTM A-53, GRADE B Fy=35 KSI	ALL CONSTRUCTION JOINTS IN STRUCTURAL SLARS SHALL RE MADE AT CENTER OF SDAN WITH		KEYPLAN	GENERAL NOTES, ABBREVIATIONS, AND DRAWING LIST
WELDED WIRE FABRIC	ASTM A-185 Fy=60 KSI	<ul> <li>ALL CONSTRUCTION JOINTS IN STRUCTURAL SLABS SHALL BE MADE AT CENTER OF SPAN WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS, UNLESS OTHERWISE SHOWN OR APPROVED.</li> <li>15. PROVIDE DOWFLS INTO MASONRY LINITS AT ALL CONCRETE WALLS OF SLAPS SUPPORTING.</li> </ul>			NORTH REVISIONS DIVIS
	ASTM A-615 GRADE 60, Fy=60 KSI	<ul> <li>16. STRUCTURAL SLABS AND SLABS ON DECK SHALL NOT CONTAIN ANY ELECTRICAL CONDUITS OR</li> </ul>		COURTYARD	Image: state     uescription     orawing preparities       1     8/20/15     ADDENDUM 4
REINFORCING STEEL WELDABLE REINFORCING STEEL	$(M \in U \in D)$ PER ANSI/AWS D1 4)	PIPING.			
REINFORCING STEEL	GRADE 60, Fy=60 KSI	17. ALL EXTERIOR SLABS ON GRADE, AND ALL STRUCTURAL SLABS SHALL CONTAIN 6x6-W2 9xW2 9			project.
<ul> <li>REINFORCING STEEL</li> <li>WELDABLE REINFORCING STEEL</li> <li>CONCRETE FOR FOUNDATION WALLS, FOOTINGS, AND GRADE BEAMS</li> </ul>	fc=3,000 PSI (UNLESS OTHERWISE NOTED)	17. ALL EXTERIOR SLABS ON GRADE, AND ALL STRUCTURAL SLABS SHALL CONTAIN 6x6-W2.9xW2.9 WELDED WIRE FABRIC MINIMUM, UNLESS OTHERWISE NOTED IN DETAILS OR ON PLAN.		PROJECT AREA	CAMP
<ul> <li>REINFORCING STEEL</li> <li>WELDABLE REINFORCING STEEL</li> <li>CONCRETE FOR FOUNDATION WALLS, FOOTINGS, AND GRADE BEAMS</li> <li>CONCRETE FOR SLABS ON GRADE, SLABS ON METAL DECK AND STRUCTURAL SLABS</li> </ul>	fc=3,000 PSI (UNLESS OTHERWISE NOTED) fc=4,000 PSI (UNLESS OTHERWISE NOTED)	17. ALL EXTERIOR SLABS ON GRADE, AND ALL STRUCTURAL SLABS SHALL CONTAIN 6x6-W2.9xW2.9 WELDED WIRE FABRIC MINIMUM, UNLESS OTHERWISE NOTED IN DETAILS OR ON PLAN.		PROJECT AREA	1 Road South Id, CT 06002

<u>/IATIONS</u> KIP(S) k ANGLE L LIGHT GAGE FRAMING LONG LEG HORIZONTAL LG LLH LLV LSH LSV LONG LEG VERTICAL LONG SIDE HORIZONTAL LONG SIDE VERTICAL MAX MECH MFR MIN MISC MO MAXIMUM MECHANICAL MANUFACTURER MINIMUM MISCELLANEOUS MASONRY OPENING NOT TO SCALE NTS ON CENTER OUTSIDE DIAMETER OUTSIDE FACE O/C OD OF OH OPPOSITE HAND OPP OPPOSITE Р CONCRETE PIER POWDER ACTUATED FASTENER PENETRATION POST-INSTALLED ANCHOR PAF PEN PIA QTY QUANTITY REACTION R RAD RD REINF REQ'D RADIUS ROOF DRAIN REINFORCEMENT REQUIRED ROOF DRAIN LEADER ROOF OPENING FRAME ROOF TOP UNIT rl Rof Rtu SECTION SQUARE FOOT SIMILAR SECT SF SIM SEISMIC JOINT SLOPE SLAB ON GRADE SPECIFICATION STRUCTURAL SJ SL SOG SPEC STR TOP AND BOTTOM TOP OF SLAB ELEVATION TOP OF CONCRETE ELEVATION TOP OF GRADE BEAM ELEVATION TOP OF PILE CAP ELEVATION TOP OF PIER ELEVATION TOP OF PLANK ELEVATION T&B T/SLAB TCE TGE TPC TPE TPL TSE TWE TVP TOP OF SHELF ELEVATION TOP OF WALL ELEVATION TYP TYPICAL UON UNLESS OTHERWISE NOTED VERT VIF VERTICAL VERIFY IN FIELD WIDE FLANGE W WITH WITHOUT W/ W/O WP WWF WORKING POINT WELDED WIRE FABRIC

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BBREVIATIONS, AND DRAWING LIST DLITION PLAN ON PLANS

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# TE OF CONNECTICUT RTMENT OF ADMINISTRATIVE SERVICES

ECTON ARCHITECTS NE HARTFORD SQUARE WEST HARTFORD, CT 06106

S RENOVATIONS - ASNUNTUCK JNITY TECHNICAL COLLEGE

STREET ), CT

BI-CTC-437

date: 04/27/2015 scale NOT TO SCALE production leader JLF project manager: JLF project engineer: SRP peer reviewer: drawing no.

S0.001



	ROOF FRAMING PLAN S
RA	INDICATES DIRECTION OF SPAN OF WIDE ACCOUSTICAL METAL ROOF DECK. SEE " SPECIFICATIONS.
<b>&gt;</b>	INDICATES MOMENT CONNECTION TO DE BEAM OR GIRDER, UNLESS OTHERWISE

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DE RIB, GALVANIZED, 1 1/2" 18 GAGE "6/S4,400" FOR FASTENING REALIBREMENTS SEE	
DEVELOP FULL BENDING AND SHEAR CAPACITY OF	
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N OF CONSTRUCTION SERVICES	-
ECTON ARCHITECTS NE HARTFORD SQUARF WEST	-
HARTFORD, CT 06106	
RENOVATIONS - ASNUNTUCK     JLF       project engineer:     SRP	J
STREET drawing no.	J
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3@12
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3@12 TYP
SLAB ON METAL DECK - AN
<u></u>

COORD SLAB BLOCKOUT W/ARCH DWGS 1/4 3@12 AFTER ADJ CONC SLAB ON METAL DECK-SEE PLAN

 CONT 5/16" BENT PLATE W/3/4" DIA HEADED STUDS @ 18" O/C PROVIDE 1 1/2" HORIZ SLOTTED HOLE W/3/4" DIA A325 TC BOLTS @ 2'-0" (MAX) FULLY TIGHTEN AFTER ADJ - STEEL BEAM-SEE PLAN

- CONT LIGHT GAGE POUR STOP

> STAIR STRUCTURE SUPPORTED OFF CMU WALLS (TYP)

- 8" CMU WALL -SEE "S7.700" (2)-CONT 8" DEEP FULLY GROUTED BOND BEAMS W/(1)-#5 CONT

STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES

**TECTON ARCHITECTS** ONE HARTFORD SQUARE WEST HARTFORD, CT 06106

CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE

BI-CTC-437

04/27/2015 scale 3/4" = 1'-0" production leader JLF project manager: JLF project engineer: SRP peer reviewer: drawing no.

S4.402



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. UNLESS NOTED OTHERWISE, ALL EXISTING ROOFING, INCLUDING BUT NOT LIMITED TO ALL FLASHINGS, EXPANSION JOINTS, COUNTER FLASHINGS, EDGINGS, ETC. SHALL BE DEMO DOWN TO EXISTING METAL ROOF DECK.
2. REPLACE / REPAIR DAMAGED OR RUSTED THROUGH EXISTING ROOF DECKING. GENERAL CONTRACTOR SHALL CARRY AN ALLOWANCE TO DEMOLISH & REPLACE 10% OF THE EXIS ROOF DECK. REFER TO PROJECT SPECIFICATION FOR ADDITIONAL INFORMATION.

	LEGEND		
	EXISTING CONSTRUCTION TO REMAIN	$\diamond$	ROOF DEMOLITION KEY NOTE
	ITEMS TO BE DEMOLISHED	RD 🔄	EXISTING ROOF DRAIN TO BE DEMOLISHED
	EXTENT OF EXISTING ROOFING TO BE DEMOLISHED DOWN TO EXISTING METAL ROOF DECK	[รเ]	EXISTING SKYLIGHT TO BE DEMOLISHED. SEE TYPICAL DETAIL J7/A1.105
		<u>VENT</u>	EXISTING VENT TO REMAIN
	EXTENT OF EXISTING CONSTRUCTION TO BE DEMOLISHED IN ITS ENTIRETY. THE SCOPE OF THIS DEMOLITION INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:	о <b>РР</b>	EXISTING PITCH POCKET TO BE DEMOLISHED AND
	WALLS, CEILINGS, LIGHT FIXTURES, PLUMBING FIXTURES, CONCRETE SLABS ON GRADE, RAT SLABS, FOUNDATIONS WALLS & FOOTINGS, STURCTURAL STEEL COLUMNS, FRAMING & STEEL JOISTS, METAL ROOF DECKING, ROOFING, BELOW SLAB UTILITIES AND PIPING, ABOVE CEILING UTILITIES AND PIPING.	_	REPLACED
N.I.C.	AREA OF EXISTING ROOF NOT IN CONTRACT		
	EXISTING CONCRETE CRICKET TO REMAIN		

drawing title RO	STAT		
		REVISIONS	DIVISION
mark	date	description	drawing prepared by:
1 08/2	20/2015	ADDENDUM #4	
			CAMPUS COMMUN
			170 ELM S ENFIELD,
			project number:
		2	





	drawing t	RST FL	STAT DEPART DIVISION	
	mark	date	description	drawing prepared by
FINISH PLAN LEGEND ROOM NAME CPT VB VB PT Wall Base Material Wall FINISH / MATERIAL WALL FINISH / MATERIAL FLOORING TRANSITION	I	08/20/2015	ADDENDUM #4	Project: CAMPUS COMMU 170 ELM ENFIELD project number:
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US RENOVATIONS - ASNUNTUCK IUNITY TECHNICAL COLLEGE M STREET .D, CT



CALLED NORTH TE OF CONNECTICUT RTMENT OF ADMINISTRATIVE SERVICES ON OF CONSTRUCTION SERVICES date: 04-27-2015 ECTON ARCHITECTS scale DNE HARTFORD SQUARE WEST HARTFORD, CT 06106 production leader TRM project manager: KK project architect:

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	OPTION 1 BASIS OF DESIGN	FIRST ALTERNATE	SECOND ALTERNATE	OPTION 1 BASIS OF DESIGN	FIRST ALTERNATE	SECOND ALTERNATE
inteed atch Armstrong Option)	RESILIENT BASE -         CODE       DESCRIPTION         WB-1       ITEM:       Vinyl Base         MFR:       Mannington         COLOR:       933 Sandrift         PROFILE:       For our difference	RESILIENT BASE -         CODE       DESCRIPTION         WB-1       ITEM:       Vinyl Base         MFR:       Johnsonite         COLOR:       22 Pearl         PDPCFULE       41 Power Parent	RESILIENT BASE -         CODE       DESCRIPTION         WB-1       ITEM:       Vinyl Base         MFR:       Roppe         COLOR:       122 Natural         DEDEFUE:       41 Oray Daga	SOLID SURFACE         CODE       DESCRIPTION         SS-1       MFR:       Corian         COLOR:       Cameo White         COLOR #:       N/A	SOLID SURFACE       CODE     DESCRIPTION       SS-1     MFR:     LG Hi-Macs       COLOR:     Ivory White       COLOR #:     S29	SOLID SURFACE       CODE     DESCRIPTION       SS-1     MFR:     Meganite       COLOR:     Bright White       COLOR #:     001
inteed atch Armstrong Option)	PROFILE:     4" Cove Base       RESILIENT FLOORING - Luxury Viny     1       CODE     DESCRIPTION       LVT-1     MFR:       Halo Floors       SERIES:     Wood Plank       PRODUCT:     Golden Barnwood	RESILIENT FLOORING -     1       CODE     DESCRIPTION       LVT-1     MFR:       SERIES:     Northern Timbers       PRODUCT:     Sandy Pine	RESILIENT FLOORING - CODE DESCRIPTION LVT-1 MFR: Shaw SERIES: Uncommon Ground PRODUCT: Heritage	SS-2 MFR: Meganite COLOR: Kaliedoscope Granite COLOR #: 652	SS-2 MFR: Wilsonart Gibraltar COLOR: Calypso Melange COLOR #: 9073ML	SS-2 MFR: Formica COLOR: Sea Glass COLOR #: 505
ent Modular	SIZE: 4" x 36"	SIZE: 4" x 36"	COLOR: #02710 SIZE: 4* x 36"	CODE         DESCRIPTION           FAB-1         MFR:         Mayer Fabrics           PATTERN:         Phoenix	CODE         DESCRIPTION           FAB-1         MFR:         Momentum           PATTERN:         Silica           OUTOF         Autobitici	CODE         DESCRIPTION           FAB-1         MFR:         Ultrafabrics           PATTERN:         Brisa           Analy Court         Analy Court
ient Modular 50 re mm x 1200 mm	CODE         DESCRIPTION           RST-1         ITEM:         Rubber Stair Tread           MFR:         Allstate	CODE         DESCRIPTION           RST-1         ITEM:         Rubber Stair Tread           MFR:         Johnsonite	CODE         DESCRIPTION           RST-1         ITEM:         Rubber Stair Tread           MFR:         Roppe	COLOR: Lime ITEM #: PH-043	COLOR: Appletini ITEM #: N/A	COLOR: Apple Green ITEM #: 303-4448
inteed	COLOR: A20 PRODUCT: Brasilia One Piece Tread & Riser	COLOR: 293 Peacock PRODUCT: Raised Round Tread / Riser Visually Impaired	COLOR: 606 Tropical Blue PRODUCT: 96 Raised Circular Vantage Design	FAB-2 MFR: Mayer Fabrics PATTERN: Phoenix COLOR: Capri	FAB-2 MFR: ArcCom PATTERN: Spectrum	FAB-2 MFR: Momentum PATTERN: Silica
h Existing Adjacent)	w/ VI I read RST-2 ITEM: Rubber Stair Tread	VIRTR-RD RST-2 ITEM: Rubber Stair Tread	RST-2 ITEM: Rubber Stair Tread	ITEM #: PH-054	ITEM #: AC-69716	ITEM #: N/A
ectural Systems	MFR: Mannington COLOR: 907 Stone Gray PRODUCT: ConnectStep Round Profile Stair Tread	MFR: Johnsonite COLOR: 20 Charcoal PRODUCT: Raised Round Tread/Riser RTR-RD	MFR: Roppe COLOR: 150 Dark Gray PRODUCT: 96 Raised Circular Vantage Design w/ Riser	FAB-3 MFR: Luna Textiles PATTERN: Notion COLOR: Goldfish	FAB-3 MFR: DesignTex PATTERN: Chromatic COLOR: Pumpkin	FAB-3 MFR: Carnegie PATTERN: Meteor 6427F COLOR #: 722
AS003 naform	without Visual Strip			ITEM #: NOT-5367	ITEM #: 3253-702 FINISH: Unfinished	ITEM #: N/A BACKING: Unbacked
lick	CODE DESCRIPTION CPT-1 ITEM: Carpet Tile	CODE DESCRIPTION CPT-1 ITEM: Carpet Tile	CARPET TILE - <u>CODE</u> <u>DESCRIPTION</u> CPT-1 ITEM: Carpet Tile	FAB-4         MFR:         Luna Textiles           PATTERN:         Notion	FAB-4         MFR:         DesignTex           PATTERN:         Chromatic	FAB-4         MFR:         Carnegie           PATTERN:         Meteor 6427F
lesign om) fine	MFR: Mannington STYLE NAME: Frienemy / Stock Brights STYLE #: X	MFR: Masland STYLE NAME: Speak / Vibrato STYLE #: T503	MFR: Shaw STYLE NAME: Vibrant STYLE #: 5T001	COLOR: Mustard ITEM #: NOT-5369	COLOR: Mango ITEM #: 3253-202 FINISH: Unfinished	COLOR #: 720 ITEM #: N/A BACKING: Unbacked
m Per Drawings to Detail	COLOR NAME: FDIC COLOR #: 12296 SIZE: 24"x 24"	COLOR NAME:         Azores           COLOR #:         50308           SIZE:         24"x 24"	COLOR NAME: Frequency COLOR #: #01585 SIZE: 24"x 24"	FAB-5 MFR: Luna Textiles	FAB-5 MFR: DesignTex	FAB-5 MFR: Carnegie
ng	BACKING: Synthetic INSTALL: Brick Ashlar	BACKING: Synthetic INSTALL: Brick Ashlar	BACKING: EcoWorx Tile INSTALL: Brick	COLOR: Laurel ITEM #: NOT-5370	COLOR: Apple ITEM #: 3253-506	COLOR #: 731 ITEM #: N/A
one 0 dard)	CPT-2 ITEM: Carpet Tile MFR: Mannington	CPT-2 ITEM: Carpet Tile MFR: Masland	CPT-2 ITEM: Carpet Tile MFR: Shaw	FAB-6 MFR: Luna Textiles	FINISH: Untrinished	FAB-6 MFR: Carnegie
Thick	STYLE NAME: Elemental Spectrum / Elemental Solids II STYLE #: X COLOR NAME: Green	STYLE NAME: Spear / Echo STYLE #: T504 COLOR NAME: Dragon Fly	STYLE NAME: Applied Tile STYLE #: 5T004 COLOR NAME: Night Vision	PATTERN: Notion COLOR: Bottlenose ITEM #: Not-5371	PATTERN: Chromatic COLOR: Cerulean ITEM #: 3253-402	PATTERN: Meteor 6427F COLOR #: 734 ITEM #: N/A
	COLOR #: 43212 SIZE: 24"x 24" BACKING: Synthetic	COLOR #: 50432 SIZE: 24"x 24" BACKING: Synthetic	COLOR #: 4326 SIZE: 24"x 24" BACKING: EcoWorx Tile		FINISH: Unfinished	BACKING: Unbacked
a Corona Contract s	INSTALL: (Random)	INSTALL: (Random)	INSTALL: (Random)			
vory 5 4"	MFR: Shaw Contract STYLE NAME: Horizontal Edge	MFR: Patcraft STYLE NAME: Diverge Skinny Tile	MFR: Bentley STYLE NAME: Arcade Legend			
al	COLOR #: 67556	COLOR NAME: Axiom COLOR #: #00510	COLOR NAME: Ultra Cruiser COLOR #: 800604			
a Corona Contract	SIZE: 18"x36" BACKING: EcoWorx Tile INSTALL: Brick	SIZE: 18"x36" BACKING: EcoWorx Tile INSTALL: Brick	SIZE: 18"x36" BACKING: AFIRMA Hardback/NexStep Cushion INSTALL: Brick			
s vory ose Base	WM-1 ITEM: Walk Off Matt	WM-1 ITEM: Walk Off Matt	WM-1 ITEM: Walk Off Matt			
x 18"	STYLE NAME: Portal Tile STYLE #: 5T035	STYLE NAME: Access STYLE #: AX	STYLE NAME: Paseo STYLE #: 10316			
Collection 2nd	COLOR NAME: Lava COLOR #: 34549 SIZE: 24"x24"	COLOR NAME:         Admit           COLOR #:         AX901           SIZE:         24"x24"	COLOR NAME: Obsidian COLOR #: 00595 SIZE: 24"x24"			
	BACKING: EcoWorx Tile INSTALL: Monolithic	BACKING: Non Woven Nexterra INSTALL: Monolithic	BACKING: EcoWorx Tile INSTALL: Monolithic			
< 8.5" al	PAINT- CODE DESCRIPTION DT 4 MCD: Benjamin Moore	PAINT- CODE DESCRIPTION	PAINT- CODE DESCRIPTION DT 4 MED: Pittsberg			
	FINISH: Eggshell (Satin?) COLOR: Revere Pewter	FINISH: Eggshell (Satin?) COLOR: Match Ben Moore: Revere Pewter	FINISH: Eggshell (Satin?) COLOR: Match Ben Moore: Revere Pewter			
I Collection 2nd	COLOR #: HC-172 LOCATION: General Walls	COLOR #: HC-172 LOCATION General Walls	COLOR #: HC-172 LOCATION: General Walls			
(8.5"	PT-2 MFR: Benjamin Moore FINISH: Semi-Gloss COLOR: Galveston Gray	PT-2 MFR: Sherwin Williams FINISH: Semi-Gloss COLOR: Match Ben Moore: Galveston Gray	PT-2 MFR: Pittsberg FINISH: Semi-Gloss COLOR: Match Ben Moore: Galveston Gray			
al	COLOR #: AC-27 LOCATION: Doors / Door Frames	COLOR #:     AC-27       LOCATION     Doors / Door Frames	COLOR #: AC-27 LOCATION: Doors / Door Frames			
l Collection	PT-3 MFR: Benjamin Moore FINISH: Flat	PT-3 MFR: Sherwin Williams FINISH: Flat	PT-3 MFR: Pittsberg FINISH: Flat			
n	COLOR #: 2139-30 LOCATION: Roof deck / Structure (Dryfall Paint)	COLOR #: 2139-30 LOCATION Roof deck / Structure (Dryfall Paint)	COLOR #: 2139-30 LOCATION: Roof deck / Structure (Dryfall Paint)			
m Building Products h Laticrete, 90 Light Pewter)	PT-4 MFR: Sherwin Williams FINISH: Satin COLOR: Gambol Gold COLOR #: SW6690	PT-4 MFR: Benjamin Moore FINISH: Satin COLOR: Match Sherwin Williams Gambol Gold COLOR #: (SW6690)	PT-4     MFR:     Pittsberg       FINISH:     Satin       COLOR:     Match Sherwin Williams Gambol Gold       COLOR #:     (SW6690)			
lesin Company an Quartz	PT-5 MFR: Sherwin Williams	LOCATION Accent Color PT-5 MFR: Benjamin Moore	LOCATION: Accent Color PT-5 MFR: Pittsberg			
erwolf	FINISH: Satin COLOR: Marigold COLOR #: SW6664	FINISH: Satin COLOR: Match SW: Marigold COLOR #: SW6664	FINISH: Satin COLOR: Match SW: Marigold COLOR #: SW6664			← TRIM AT
-	LOCATION: Accent Color PT-6 MER: Sherwin Williams	LOCATION Accent Color PT-6 MFR Benjamin Moore	LOCATION: Accent Color PT-6 MFR: Pittsberg			(H2) 3" = 1'-0"
e n FRP	FINISH: Satin COLOR: Gecko COLOR #: SW6719	FINISH: Satin COLOR: Match SW: Gecko COLOR #: (SW6719)	FINISH: Satin COLOR: Match SW: Gecko COLOR #: (SW6719)			
om, per drawings)	LOCATION: Accent Color	LOCATION Accent Color	LOCATION: Accent Color			
e n FRP	FINISH: Satin COLOR: Maxi Teal	FINISH: Satin COLOR: Match SW: Maxi Teal	FINISH: Satin COLOR: Match SW: Maxi Teal			
om, per drawings)	LOCATION: Accent Color	LOCATION Accent Color	LOCATION: Accent Color			
ington Itials	FINISH: Satin COLOR: Decorators White	PT-8 MFR: Sherwin Williams FINISH: Satin COLOR: Match Ben Moore: Decorators White	PT-8 MFR: Pittsberg FINISH: Satin COLOR: Match Ben Moore: Decorators White			
2" 2"	COLOR #: CC-20 LOCATION: Accent Color	COLOR #: CC-20 LOCATION Accent Color	COLOR #: CC-20 LOCATION: Accent Color			
	PT-9 MFR: Benjamin Moore FINISH: Flat COLOP: Decorators White	PT-9 MFR: Sherwin Williams FINISH: Flat COLOP: Match Ben Moore: Decorators White	PT-9 MFR: Pittsberg FINISH: Flat COLOR: Match Bep Moore: Decorators White			drawing title
er Sheet Flooring sphere	COLOR #: CC-20 LOCATION: Gyp Board Ceilings	COLOR #. CC-20 LOCATION Gyp Board Ceilings	COLOR #: CC-20 LOCATION: Gyp Board Ceilings		SHUMMOF CONVERT	MATERIAL LIST & FINISH DETAILS
ay - Structure TM ental Grey	LAMINATE CODE DESCRIPTION	LAMINATE CODE DESCRIPTION	LAMINATE CODE DESCRIPTION			REVISIONS DEPARTI
thick / 4' x 58' roll er Sheet Flooring	PL-1 MFR: LAB Designs FINISH: LS Finish COLOR: Ivory Coast	PL-1     MFR:     Formica       FINISH:     Woodbrush       COLOR:     White Ash	PL-1 MFR: Wilsonart FINISH: Aeon COLOR: Vapor Strandz		* 7 * *	mark     date     description     drawing prepared by       1     08/20/2015     ADDENDLIM #4
sphere ay - Basix TM Deck	COLOR #: WP120LS PL-2 MFR: LAB Designs	COLOR #: 8841-WR PL-2 MFR: Wilsonart	COLOR #: 4939K-18 PL-2 MFR: Formica		SO ARCHINING	
hick/ 4'x25' or 50' roll	FINISH: Texture COLOR: Shale Batiste COLOR #: PG053T	FINISH: N/A COLOR: Steel Mesh COLOR #: 4879-38	FINISH: Matte COLOR: Citadel Wrap COLOR #: 5882-58		- de da 82 8 7 7 2 4	project:
						ENFIELD
						project number:
9	8	7	6	5	4 3	2



# C7 RUBBER TO EXISTING TERAZZO TRANSITION DETAIL

# C4 RUBBER TRANSITION DETAIL





SPECIFIED FLOORING, (REFER TO FINISH



REFLECTED CEILING PLAN KEYNOTES	LEGEND			
EXPOSED STRUCTURE ABOVE WITH PAINTED FINISH     PENDANT LIGHT FIXTURES, TYP.     ACOUSTICAL CLOUD CEILING OPEN TO STRUCTURE ABOVE. SPRINKLERS TO BE DROPPED THROUGH     ACOUSTICAL CLOUDS AS WELL AS PROVIDED ABOVE/BETWEEN AS REQUIRED PER FIRE	8'-0" / GYP CEILING TAG CEILING TYPE CEILING HEIGHT	ACT: EXISTING 24" x 48" ACOUSTICAL CEILING		RECESSED 2x4 FLUORESCENT LIGHT FIXTURE
PROTECTION DRAWINGS.     4     1 HOUR RATED SHAFT WALL CEILING       5     TEMPORARY 1 HOUR RATED PARTIION	PT-9 <u>FINISH TAG</u>			RECESSED 2x2 FLUORESCENT LIGHT FIXTURE
6 EXPANSION JOINT	ACT-1 NEW 24" x 48" ACOUSTICAL CEILING	NO CEILING / EXPOSED STRUCTURE		SURFACE MOUNTED 1x4 FLUORESCENT LIGHT FIXTURE
			0 0	SUSPENDED LINEAR PENDENT LIGHT FIXTURE
	ACT-2 NEW 24" x 24" ACOUSTICAL CEILING	CYP	æ	WALL MOUNTED EXTERIOR LIGHT FIXTURE
		NON RATED GYPSUM BOARD CEILING	Ø	RECESSED DOWN LIGHT
	ACT		$\bigcirc$	PENDANT LIGHT
	EXISTING 24" x 24" ACOUSTICAL CEILING	1 HOUR RATED SHAFT WALL CEILING. DESIGN # WHI 0926011		SUPPLY & RETURN DIFFUSERS. SEE MEP DRAWINGS

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GENERAL	NOTES -	ING

drawing title FIRS	STAT DEPAR			
		REVISIONS		DIVISIO
mark da	ate	description		drawing prepared
1 08/20/	/2015 A	DDENDUM #4		TE
				10
				project:
				CAMPU
				COMM
				170 ELN
				ENFIEL
				project number:
			2	



![](_page_12_Figure_1.jpeg)

![](_page_13_Figure_0.jpeg)

OF KEYNOTES	GENERAL NOTES			ROOF	LEGEN
X 4'-0" SKYLIGHT OPENING TO BE INFILLED. REFER TO L. X 4'-0" SKYLIGHT OPENING TO BE INFILLED. REFER TO L. ISTING ROOF LADDER JNIT & EXISTING DUNNAGE STEEL TO REMAIN. PAINT VAGE STEEL ENNA ROOFTOP GUARDRAIL SYSTEM WITH PROTECTION PADS	<ol> <li>EXCEPT WHERE INDICATED OTHERWISE ON 'ROOF DECK PLAN' J12/A4.201 ALL EXISTING STEEL AND EXISTING METAL DECKING IS SLOPED. THE EXISTING SLOPE VARIES FROM APPROXIMATLY 1/8" PER FOOT TO 3/32" PER FOOT. ROOFING CONTRACTOR SHALL ADD 4" THICK BASE LAYER OF INSULATION AND TAPERED INSULATION PER DETAIL E5/A2.406 TO MAINTAIN A MINIMUM ROOF SLOPE OF 1/8" PER FOOT.</li> <li>REFER TO DRAWING A2.406 FOR TYPICAL ROOF DETAILS.</li> <li>MECHANICALLY CLEAN ALL EXISTING ROOF DRAIN LEADERS TO EXTERIOR STORM DRAIN.</li> <li>PROTECT EXISTING ELECTRICAL CONDUITS, GAS LINES, ETC.ABOVE ROOF SURFACE. THESE SERVICES ARE TO REMAIN OPERATIONAL THROUGHOUT RE-ROOFING.</li> <li>ALL NEW WOOD BLOCKING SHALL BE PRESSURE TREATED</li> <li>EXISTING LIGHTWEIGHT CONCRETE CRICKETS TO REMAIN &amp; BE RE-USED. GENERAL CONTRACTOR SHALL INSPECT CRICKETS AND REPAIR / REPLACE ANY SECTIONS THAT ARE NOT STRUCTURALLY SOUND.</li> </ol>	(+4.5") (+4.5")	KEYNOTE SYMBOL DEPTH OF TAPERED INSULATION DIRECTION OF ROOF SLOPE. MAINTAIN 1/8TH PER FOOT MINIMUM PITCH ROOF DRAIN. SEE TYPICAL DETAIL JS/A2.406 ROOF HATCH, SEE TYPICAL DETAIL DETAIL H2/A2.406 2 X 2 FT WALKING PAD, SEE TYPICAL DETAIL D10/A2.406 EXISTING SKYLIGHT OPENING TO BE INFILLED. SEE TYPICAL DETAIL C2/A2.406	• <u>VENT</u>	ROOF PENETRATING SEE TYPICAL DETAI CONDENSING UNIT EQUIPMENT RAILS CONDENSING UNIT STEEL DUNNAGE EXHAUST FANS. SEI H5/A2.406 ROOF TOP UNIT. SE H5/A2.406

![](_page_14_Figure_0.jpeg)

OF KEYNOTES	GENERAL NOTES			ROOF	
O" SKYLIGHT OPENING TO BE INFILLED. REFER TO O" SKYLIGHT OPENING TO BE INFILLED. REFER TO ING ROOF LADDER & EXISTING DUNNAGE STEEL TO REMAIN. PAINT E STEEL A DFTOP GUARDRAIL SYSTEM WITH PROTECTION PADS	<ol> <li>EXCEPT WHERE INDICATED OTHERWISE ON 'ROOF DECK PLAN' J12/A4.201 ALL EXISTING STEEL AND EXISTING METAL DECKING IS SLOPED. THE EXISTING SLOPE VARIES FROM APPROXIMATLY 1/8" PER FOOT TO 3/32" PER FOOT. ROOFING CONTRACTOR SHALL ADD 4" THICK BASE LAVER OF INSULATION AND TAPERED INSULATION PER DETAIL E5/A2.406 TO MAINTAIN A MINIMUM ROOF SLOPE OF 1/8" PER FOOT.</li> <li>REFER TO DRAWING A2.406 FOR TYPICAL ROOF DETAILS.</li> <li>MECHANICALLY CLEAN ALL EXISTING ROOF DRAIN LEADERS TO EXTERIOR STORM DRAIN.</li> <li>PROTECT EXISTING ELECTRICAL CONDUITS, GAS LINES, ETC. ABOVE ROOF SURFACE. THESE SERVICES ARE TO REMAIN OPERATIONAL THROUGHOUT RE-ROOFING.</li> <li>ALL NEW WOOD BLOCKING SHALL BE PRESSURE TREATED</li> <li>EXISTING LIGHTWEIGHT CONCRETE CRICKETS TO REMAIN &amp; BE RE-USED. GENERAL CONTRACTOR SHALL INSPECT CRICKETS AND REPAIR / REPLACE ANY SECTIONS THAT ARE NOT STRUCTURALLY SOUND.</li> </ol>	(+4.5") (+4.5")	KEYNOTE SYMBOL DEPTH OF TAPERED INSULATION DIRECTION OF ROOF SLOPE. MAINTAIN 1/8TH PER FOOT MINIMUM PITCH ROOF DRAIN. SEE TYPICAL DETAIL JS/A2.406 ROOF HATCH, SEE TYPICAL DETAIL H2/A2.406 2 X 2 FT WALKING PAD, SEE TYPICAL DETAIL D10/A2.406 EXISTING SKYLIGHT OPENING TO BE INFILLED. SEE TYPICAL DETAIL C2/A2.406	• VENT	ROOF PENETRATING VI SEE TYPICAL DETAIL C CONDENSING UNIT SET EQUIPMENT RAILS CONDENSING UNIT SET STEEL DUNNAGE EXHAUST FANS. SEE TY H5/A2.406 ROOF TOP UNIT. SEE T H5/A2.406

![](_page_15_Figure_0.jpeg)

![](_page_16_Figure_0.jpeg)

drawing	title	MILLWORK	STAT] DEPARTI
		REVISIONS	DIVISION
mark	date	description	drawing prepared by
1	08/20/2015	ADDENDUM #4	
			project: CAMPUS COMMUN
			170 ELM ENFIELD
			project number:
		5	)

![](_page_17_Figure_0.jpeg)

![](_page_18_Figure_0.jpeg)

![](_page_18_Picture_8.jpeg)

![](_page_18_Figure_9.jpeg)

![](_page_19_Figure_0.jpeg)

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![](_page_19_Figure_4.jpeg)

![](_page_19_Picture_5.jpeg)

	GLASS TYPE LEGEND	drawing	STAT		
			WIND	OW ELEVATIONS	
<u>GL-1T</u>	1" INSULATED TEMPERED GLASS			REVISIONS	DIVIDIO
		mark	date	description	drawing prepared
<u>GL-2</u>	1/2" TEMPERED & LAMINATED GLASS	1	08/20/2015	ADDENDUM #4	TE
					10
<u>GL-3</u>	1 HOUR FIRE RATED GLASS				
<u>GL-4</u>	1" INSULATED SPANDREL GLASS				project: CAMPU COMMU
					170 ELN ENFIELI
					project number:

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G6 A8.201

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Y  $\checkmark$ CALLED NORTH TE OF CONNECTICUT RTMENT OF ADMINISTRATIVE SERVICES date: 04-27-2015 ECTON ARCHITECTS scale ONE HARTFORD SQUARE WEST HARTFORD, CT 06106 As indicated production leader TRM project manager: KK PUS RENOVATIONS - ASNUNTUCK MUNITY TECHNICAL COLLEGE project architect: TRM peer reviewer: \_M STREET ≟LD, CT H.L. drawing no. A8.202 BI-CTC-437 1 

		LOCATION: CORRIDOR EA202			PAN EA202		HDM-1A       VOLTAGE:     480/277 Wye						AISC	RATING: 30K		
A			SUPPLY FRO MOUNTIN ENCLOSUI	DM: SWBD NG: SURFACE RE: TYPE 1			M	AX # OI	PHASES:         3           WIRES:         4           POLES:         42				MAIN MAINS MCB	NS TYPE: MCB RATING: 400 / RATING: 400 /	۹ ۹	
		Rema [A] Pf	ARKS NOTES: ROVIDE 30MA GROUND I	FAULT CIRCUIT I	INTER	RUPTE	RCIRCL	JIT BRE	AKERS.					I		
_		GENE	RAL NOTES:	SPARE C/B'S AN	ID SP/	ACES W	ITHIN (1	I) SECT	ION OF DIST	RIBUTI	on par	IELBOAI	RD.			
		2. PR 3. SE 4. VE	OVIDE SPACES FOR FU E SPECIFICATION SECT RIFY SIZE, QUANTITY AN	TURE (2) 225A-31 ION 'PANELBOAI ND TYPES OF CII	p C/B' RDS' f RCUIT	S. FOR FEA BREAK	TURES	OF PA	NELBOARDS BOARDS WIT	Th plan	NS, RIS	ERS, SC	HEDULES	, AND SPECIFI	CATIONS.	
		<b>CKT</b>	CIRCUIT DESCRIPT	ION NOTES	<b>TRIP</b> 20 A	POLES	2667	<b>A</b> 11343	B		c	POLES	TRIP         N           80 A	OTES CIRC AHU-1	UIT DESCRIPTION	СКТ 2
В		5 7 9	  CU-1		 70 A	  3	12450	12450	12450 12450	2667	11343	3	 70 A	  CU-2		6 8 10
		11 13	 HWP-1		 20 A	3	943	943	943 943	12450	12450	3	 20 A	 HWP-2		10 12 14 16
		17 19 21	 EWH-1		 20 A	3	1000	9340	1000 7035	943	943	3	 80 A	 TX-LVM	1A	10 18 20 22
_		23 25 27	 LP-1A		 70 A	3	4681	6000	3464 6000	1000	9928	3	 30 A	 EWH-2		22 24 26 28
		29 31 33	 Spare		 50 A	 3 	0	0	0 0	6845	6000	 3 	 100 A	 Spare		30 32 34
C		35 37 39	 RTU-2A		 50 A	 3 	5810	5810	5810 5810	0	0	 3 	 50 A	 RTU-1A 		36 38 40
U		41			 TOTA TOTA	L LOAD	7343	38 VA	69916 VA	5810 7619	5810 90 VA					42
		LOAD HVAC		CONNECT	ED LO	DAD DI	EMAND 100.0	<b>FACTO</b>	R ESTIMA 1 10	<b>TED DE</b> 176 VA	MAND				EL TOTALS	
_		RECE	PTACLES	23563	3 VA		65.0	0%	194	4804 VA 5316 VA	4		TOTAL CO	TAL EST. LOA ONN. CURREN	D 219543 VA D 211296 VA T 264 A	
													EST. DEN	IAND CURREN	T 254 A	
			DI					NA 4	^							
D				CORRIDOR	EA202			VI-17	OLTAGE: 12 PHASES: 3	0/208 W	/ye		AISC	RATING: 22K		
			MOUNTIN	NG: SURFACE RE: TYPE 1			M	AX # OI	WIRES:         4           F POLES:         42				MAINS	<b>RATING:</b> 225 A	۹ ۹	
		<b>REMA</b> [A] PR	ARK NOTES: ROVIDE 30MA GROUND F	AULT CIRCUIT II	NTERI	RUPTEF	CIRCU	IT BRE/	AKERS.							
_		GENE														
		1. SE 2. VE	E SPECIFICATION SECT RIFY SIZE, QUANTITY AN	ION 'PANELBOAI ND TYPES OF CI	rds' f Rcuit	OR FEA	TURES	OF PA	NELBOARDS BOARDS WIT	Th plan	NS, RIS	ERS, SC	HEDULES	, AND SPECIFI	CATIONS.	
Е		СКТ 1 3	CIRCUIT DESCRIPT EF-1 FPP-1	TION NOTES	<b>TRIP</b> 20 A 20 A	POLES	<b>3</b> 1176	<b>A</b> 864	<b>B</b> 700 0		c	<b>POLES</b> 1 2	TRIP         NC           20 A	DTES CIRC EF-2 Spare	UIT DESCRIPTION	СКТ 2 4
		5 7	LV-1B 		100 A 	× 3 	7300	0	6325 0	9928	0	3	 20 A	 Spare		6 8 10
		9 11 13	 Spare 		 30 A 	3	0	0		0	0	  1	 20 A	  UH-1		10 12 14
_		15 17 19	 Spare Spare		 20 A 20 A	 1 1	0	0	0 0	0	0	1 1 1	20 A 20 A 20 A	Spare Spare Spare		16 18 20
		21 23 25	Spare Spare		20 A 20 A	1	0	0	0 0	0	0	1	20 A 20 A	Spare Spare		22 24 26
		23 27 29	Spare Spare		20 A 20 A 20 A	1		0	0 0	0	0	1 1 1	20 A 20 A 20 A	Spare Spare Spare		20 28 30
F		31 33 35	Spare Spare Spare		20 A 20 A 20 A	1 1 1	0	0	0 0	0	0	1 1 1	20 A 20 A 20 A	Spare Spare Spare		32 34 36
		37 39 41	Spare Spare Spare		20 A 20 A 20 A	1	0	0	0 0	0	0	1 1 1	20 A 20 A 20 A	Spare Spare Spare		38 40 42
		LOAD		CONNECT	ED LO	TOTAL TOTAL DAD DI	. 934 . 8 <sup>7</sup> EMAND	0 VA 1 A <b>FACTO</b>	7035 VA 59 A <b>R ESTIMA</b>	992 80	28 VA 6 A			APPROX. PAN	EL TOTALS	
-		HVAC Other RECE	PTACLES	1176 1564 23563	3 VA 3 VA		100.0 100.0 65.0	00%	1	176 VA 564 VA 5316 VA			TOT <i>A</i> TO	AL CONN. LOA	D 26303 VA D 18056 VA	
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	BR		PAN	EL:	<u>LV</u> .	<u>-1A</u>	0							
	LOCATION: SUPPLY FROM:	EXIST DIST	EA202 . PANEL '	"Y"		V	OLTAGE	<b>:</b> 120/2 <b>3:</b> 3	.08 Wye		AI: M	SC RATII	NG: 22K PE: MCB	
					M	AX # O		<b>5:</b> 4			MAI	NS RATII	NG: 225 A	
	REMARKS NOTES:				<u>IVI</u>			<u>5.</u>  04				CD RAIII	NG.   150 A	
	[A] PROVIDE 30MA GROUND FAU				CIRCU	IT BREA	AKERS. KERS.							
	GENERAL NOTES: 1. SEE SPECIFICATION SECTION 2. VERIFY SIZE, QUANTITY AND	I 'PANELBOA	RDS' FO	R FEAT	TURES ERS IN	OF PA PANEL	NELBOA BOARDS	RDS. 6 WITH	PLANS, RIS	ERS, SC	HEDUL	ES, AND	SPECIFICATIONS.	
		NOTES		POLES	500	<b>A</b>	В		С	POLES	TRIP	NOTES		С
	1EWC, RM 1123RECEPTACLES, RM 106		20 A 20 A	1	500	1260	1080	1000		1	20 A 20 A	А	VEND. MACH.	
	5 VEND. MACH. 7 RECEPTACLES RM E108	A	20 A	1	540	540			1000 1000	1	20 A	A	VEND. MACH.	+
	9 RECEPTACLES, 208		20 A	1	040	040	1260	540		1	20 A		RECEPTACLES, 209	+
	11 RECEPTACLES		20 A	1	540	1440			1080 540	1	20 A		RECEPTACLES, RM 204	+
	15 RECEPTACLES		20 A	1			540	0		1	20 A		RECEPTACLES, RM 202	<u> </u>
	17 RECEPTACLES, RM 207 19 MICROWAVE, RM 207		20 A 20 A	1	1000	1080			900 540	1	20 A 20 A		RECEPTACLES, RM 207 RECEPTACLES, RM 207.1	+
	21 RECEPTACLES		20 A	1			1440	540		1	20 A		EXTERIOR RECEPTACLES	
	23 RECEPTACLES, RM 205 25 RECEPTACLES		20 A 20 A	1	1440	720			1080 720	1	20 A 20 A		RECEPTACLES RECEPTACLES	+:
	27 RECEPTACLES, RM 106		20 A	1			1080	1080		1	20 A		RECEPTACLES, RM 106	
	29 RECEPTACLE, RM 119 31 FLOOR BOX, RM 119		20 A 20 A	1	900	540			900 900	1	20 A 20 A		FLOOR BOX, RM 119 RECEPTACLES, RM 106	+:
	33 MOTORIZED DOOR, RM 10	)1	20 A	1	-	-	500	500		1	20 A		MOTORIZED DOOR, RM 101	1
	35 MICROWAVE, RM 207 37 RECEPTACLES, RM 117		20 A 20 A	1	1080	1080			1000 1000	1	20 A 20 A	A	RECEPTACLES, RM 117	+
	39 RECEPTACLES, RM 117		20 A	1			900	540	0.00	1	20 A		RECEPTACLES, RM 114	
	41 RECEPTACLES, RM 119 43 RECEPTACLES, RM E108		20 A 20 A	1 1	720	1080			360 360	1	20 A 20 A		RECEPTACLES, RM E108 RECEPTACLES, RM 111	+
	45 RECEPTACLES, RM 106		20 A	1			360	360		1	20 A		RECEPTACLES, RM 207.1	
	4/ Spare 49 AHU-1LR		20 A 20 A	1 1	500	590			U 0	1	20 A 20 A		Spare Exteriror Roof mounted Recp.	+
	51 Future Hand Dryer, RM 113		20 A	1			1410	1410		1	20 A		Future Hand Dryer, RM 114	1
	53 RECEPTACLES 55 Spare	A	20 A 20 A	1	0	0			900 1080	1	20 A 20 A	A	Spare RECEPTACLES, RM 106	+
	57 Spare		20 A	1			0	0		1	20 A		Spare	
	59 Spare 61 Spare		20 A 20 A	1	0	0			0 0	1	20 A 20 A		Spare Spare	+
	63 Spare		20 A	1			0	0		1	20 A		Spare	
	65 Spare 67 Spare		20 A 20 A	1	0	0			0 0	1	20 A 20 A		Spare Spare	+
	69 Spare		20 A	1			0	0		1	20 A		Spare	
	71 Spare 73 Spare		20 A 20 A	1	0	0			0 0	1	20 A 20 A		Spare Spare	+
	75 Spare		20 A	1			0	0		1	20 A		Spare	
	77 Spare 79 Spare		20 A 20 A	1	0	0			0 0	1	20 A 20 A		Spare Spare	
	81 Spare		20 A	1			0	0		1	20 A		Spare	1
	83 Spare		20 A	1 )TAL	1555	50 VA	14540	VA	0 0 13360 VA	1	20 A		Spare	
	LOAD CLASSIFICATION	CONNEC	TO FED LOA	DTAL	13 <b>MAND</b>	1 A FACTO	123 R ES	A F <b>IMATEI</b>	111 A <b>D DEMAND</b>			APPR	OX. PANEL TOTALS	
	Lighting	50	VA		125.0	00%		63	VA		т			
	RECEPTACLES	3678	0 VA		65.0	0%		2390	7 VA			TOTAL E	EST. LOAD 30590 VA	
	SWITCHES		VA		0.00	J%		0 \	/A	TOTAL	EST. D	EMAND	CURRENT 85 A	
						$\sim$		$\sim$			$\sim$	$\sim$		
				EL :	LP-	-1A					A1		NC: 25	
<pre>{</pre>	BRA					v		: 480/2	77 Wve				PE: MLO	
	BR/ LOCATION: SUPPLY FROM:	ANCH I CORRIDOR HDM-1A	EA202			v	OLTAGE	E: 480/2 S: 3	277 Wye		M			
	BRA LOCATION SUPPLY FROM MOUNTING ENCLOSURE	CORRIDOR HDM-1A SURFACE TYPE 1	EA202		M	V AX # OI	OLTAGE PHASES WIRES F POLES	E: 480/2 S: 3 S: 4 S: 30	277 Wye		M MAI M	IAINS TY NS RATII CB RATII	NG: 100 A NG: 70 A	
	BR/ LOCATION: SUPPLY FROM: MOUNTING: ENCLOSURE: REMARKS NOTES: [A] [B]	ANCH CORRIDOR HDM-1A SURFACE TYPE 1			<u>M</u>	V AX # OI	OLTAGE PHASES WIRES F POLES	E: 480/2 S: 3 S: 4 S: 4 S: 30	277 Wye		M MAI M	AINS TY NS RATII CB RATII	NG: 100 A NG: 70 A	
	BR/ LOCATION: SUPPLY FROM: MOUNTING: ENCLOSURE: REMARKS NOTES: [A] [B] GENERAL NOTES: 1. SEE SPECIFICATION SECTION	ANCH I CORRIDOR HDM-1A SURFACE TYPE 1	EA202	R FEA1	<u>M</u>	V AX # OI	OLTAGE PHASES WIRES F POLES	E: 480/2 S: 3 S: 4 S: 30 S: 30 ARDS	277 Wye		MAI M4	AINS TY NS RATII CB RATII	NG: 100 A NG: 70 A	
	BR/ LOCATION: SUPPLY FROM: MOUNTING: ENCLOSURE: REMARKS NOTES: [A] [B] GENERAL NOTES: 1. SEE SPECIFICATION SECTION 2. VERIFY SIZE, QUANTITY AND	ANCH I CORRIDOR HDM-1A SURFACE TYPE 1	RDS' FOI	R FEAT	<u>M</u>	V AX # OI OF PA PANEL	OLTAGE PHASES WIRES F POLES	E: 480/2 S: 3 S: 4 S: 3 S: 4 S: 30 S: 4 S: 30 S: 4 S: 4 S: 4 S: 4 S: 4 S: 4 S: 4 S: 4 S: 4 S: 5 S: 5 S	277 Wye	ERS, SC	MAI	ES, AND	NG: 100 A NG: 70 A SPECIFICATIONS.	
	BR/ LOCATION: SUPPLY FROM: MOUNTING: ENCLOSURE: REMARKS NOTES: [A] [B] GENERAL NOTES: 1. SEE SPECIFICATION SECTION 2. VERIFY SIZE, QUANTITY AND CKT CIRCUIT DESCRIPTION 1. CORRIDOR # 111	ANCH CORRIDOR HDM-1A SURFACE TYPE 1	RDS' FOI RCUIT BI		TURES ERS IN	V AX # OI OF PA PANEL A 1322	OLTAGE PHASES WIRES F POLES	E: 480/2 S: 3 S: 4 S: 4 S: 30 S: 4 S: 5 S: 5 S	277 Wye	ERS, SCI	MAI Mai HEDUL TRIP	ES, AND	NG:         100 A           NG:         70 A           SPECIFICATIONS.         CIRCUIT DESCRIPTION           RM # 117         117	
	BR/ LOCATION: SUPPLY FROM: MOUNTING: ENCLOSURE: REMARKS NOTES: [A] [B] GENERAL NOTES: 1. SEE SPECIFICATION SECTION 2. VERIFY SIZE, QUANTITY AND CKT CIRCUIT DESCRIPTION 1 CORRIDOR # 111 3 RM # 119	ANCH CORRIDOR HDM-1A SURFACE TYPE 1	RDS' FOI RCUIT BI 20 A 20 A	R FEA1 REAKE POLES	TURES ERS IN	V AX # OI OF PA PANEL A 1322	OLTAGE PHASES WIRES F POLES NELBOA BOARDS BOARDS BOARDS	Image: state stat	277 Wye	ERS, SC POLES	MAI MAI HEDUL TRIP 20 A 20 A	ES, AND	NG:         100 A           NG:         70 A           SPECIFICATIONS.         CIRCUIT DESCRIPTION           RM # 117         RM # 107,106	
	BRA LOCATION: SUPPLY FROM: MOUNTING: ENCLOSURE: REMARKS NOTES: [A] [B] GENERAL NOTES: 1. SEE SPECIFICATION SECTION 2. VERIFY SIZE, QUANTITY AND CKT CIRCUIT DESCRIPTION 1 CORRIDOR # 111 3 RM # 119 5 RM # 101 7 RM # 106.107	ANCH I CORRIDOR HDM-1A SURFACE TYPE 1	RDS' FOI RCUIT BI 20 A 20 A 20 A 20 A	R FEA1 REAKE POLES 1 1 1 1	<u>М</u> ТURES ERS IN 594 850	V AX # OI OF PA PANEL A 1322 430	OLTAGE PHASES WIRES F POLES NELBOA BOARDS BOARDS BOARDS	E: 480/2 S: 3 S: 4 S: 4 S: 30 S: 4 S: 5 S: 5	277 Wye 277 Wy	ERS, SC POLES 1 1 1 1 1	MAI MAI MI HEDUL TRIP 20 A 20 A 20 A	ES, AND	NG: 100 A NG: 70 A SPECIFICATIONS. CIRCUIT DESCRIPTION RM # 117 RM # 107,106 CORRIDOR # 121 CORRIDOR # 202	
	BRA LOCATION: SUPPLY FROM: MOUNTING: ENCLOSURE: REMARKS NOTES: [A] [B] GENERAL NOTES: 1. SEE SPECIFICATION SECTION 2. VERIFY SIZE, QUANTITY AND CKT CIRCUIT DESCRIPTION 1 CORRIDOR # 111 3 RM # 119 5 RM # 101 7 RM # 106,107 9 STAIR A # 206	ANCH I CORRIDOR HDM-1A SURFACE TYPE 1	RDS' FOI RCUIT BI 20 A 20 A 20 A 20 A	Image: Rest in the second s	<u>М</u> ТURES RS IN 594 850	V AX # OI OF PA PANEL A 1322 430	OLTAGE PHASES WIRES F POLES NELBOA BOARDS BOARDS BOARDS 1410	E: 480/2 S: 3 S: 4 S: 30 S: 4 S: 5 S: 4 S: 5 S: 5 S: 5 S: 5 S: 6 S: 5 S: 6 S: 5 S: 6 S: 5 S: 6 S: 5 S: 6 S: 5 S: 6 S: 6 S: 5 S: 6 S: 7 S: 7 S	277 Wye 277 Wy	ERS, SC POLES 1 1 1 1 1 1	MAI MAI MI HEDUL TRIP 20 A 20 A 20 A 20 A 20 A	ES, AND	NG: 100 A NG: 70 A SPECIFICATIONS. CIRCUIT DESCRIPTION RM # 117 RM # 107,106 CORRIDOR # 121 CORRIDOR # 202 RM # 209	
	BR/           LOCATION:           SUPPLY FROM:           MOUNTING:           MOUNTING:           ENCLOSURE:           REMARKS NOTES:           [A]         [B]           GENERAL NOTES:           [A]         [B]           GENERAL NOTES:           [A]         [B]           CKT           CIRCUIT DESCRIPTION           CKT           CIRCUIT DESCRIPTION           1           CORRIDOR # 111           3           RM # 101           7           RM # 101           7           STAIR A # 206           11           RM # 106,107           9           TAIR A # 206           11           RM # 106,107           3           11           RM # 106,107           3           13           RM # 106,107 <td>ANCH I CORRIDOR HDM-1A SURFACE TYPE 1</td> <td>RDS' FOI RCUIT BI 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td> <td>PR FEA1 REAKE POLES 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>TURES RS IN 594 850 900</td> <td>V <u>AX # OI</u> OF PA PANEL <u>A</u> 1322 430 585</td> <td>OLTAGE PHASES WIRES F POLES NELBOA BOARDS BOARDS BOARDS 1410</td> <td>E: 480/2 S: 3 S: 4 S: 4 S: 30 S: 4 S: 5 S: 4 S: 5 S: 5 S: 5 S: 6 S: 6 S: 6 S: 6 S: 6 S: 7 S: 7 S</td> <td>277 Wye 277 Wye 275 0 27</td> <td>ERS, SC POLES 1 1 1 1 1 1 1 1 1 1</td> <td>MAI MAI MI HEDUL TRIP 20 A 20 A 20 A 20 A 20 A 20 A</td> <td>ES, AND</td> <td>NG: 100 A NG: 70 A SPECIFICATIONS. CIRCUIT DESCRIPTION RM # 117 RM # 107,106 CORRIDOR # 121 CORRIDOR # 202 RM # 209 RM # 107, 106 CORRIDOR #e200B</td> <td></td>	ANCH I CORRIDOR HDM-1A SURFACE TYPE 1	RDS' FOI RCUIT BI 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	PR FEA1 REAKE POLES 1 1 1 1 1 1 1 1 1 1 1 1	TURES RS IN 594 850 900	V <u>AX # OI</u> OF PA PANEL <u>A</u> 1322 430 585	OLTAGE PHASES WIRES F POLES NELBOA BOARDS BOARDS BOARDS 1410	E: 480/2 S: 3 S: 4 S: 4 S: 30 S: 4 S: 5 S: 4 S: 5 S: 5 S: 5 S: 6 S: 6 S: 6 S: 6 S: 6 S: 7 S: 7 S	277 Wye 275 0 27	ERS, SC POLES 1 1 1 1 1 1 1 1 1 1	MAI MAI MI HEDUL TRIP 20 A 20 A 20 A 20 A 20 A 20 A	ES, AND	NG: 100 A NG: 70 A SPECIFICATIONS. CIRCUIT DESCRIPTION RM # 117 RM # 107,106 CORRIDOR # 121 CORRIDOR # 202 RM # 209 RM # 107, 106 CORRIDOR #e200B	
	BR/           LOCATION:           SUPPLY FROM:           MOUNTING:           MOUNTING:           ENCLOSURE:           REMARKS NOTES:           [A]         [B]           GENERAL NOTES:           [A]         [B]           GENERAL NOTES:           [A]         [B]           CKT           CIRCUIT DESCRIPTION           2. VERIFY SIZE, QUANTITY AND           CKT           CIRCUIT DESCRIPTION           1         CORRIDOR # 111           3           RM # 106,107           1         CORRIDOR # 111           3           STAIR A # 206           11         RM # 106,107           13         RM # 106,107           15         RM # 106,107	ANCH I CORRIDOR HDM-1A SURFACE TYPE 1	RDS' FOI RCUIT BI 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Image: Provide state in the state in th	TURES RS IN 594 850 900	V AX # OI OF PA PANEL A 1322 430 585	OLTAGE PHASES WIRES F POLES NELBOA BOARDS BOARDS BOARDS 1410	<ul> <li>480/2</li> <li>3</li> <li>4</li> <li>30</li> <li>30</li> <li>30</li> <li>30</li> <li>30</li> <li>30</li> <li>4</li> <li>4&lt;</li></ul>	277 Wye 277 Wy	ERS, SC POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MAI MAI MI HEDUL TRIP 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	AINS TY NS RATII CB RATII ES, AND NOTES	NG:         100 A           NG:         70 A           SPECIFICATIONS.           CIRCUIT DESCRIPTION           RM # 117           RM # 107,106           CORRIDOR # 121           CORRIDOR # 202           RM # 209           RM # 107, 106           CORRIDOR # 202           RM # 107, 106           CORRIDOR # 202           RM # 209           RITE LIGHTING	
	BR/           LOCATION:           SUPPLY FROM:           MOUNTING:           ENCLOSURE:           REMARKS NOTES:           [A]           [B]           GENERAL NOTES:           1. SEE SPECIFICATION SECTION           2. VERIFY SIZE, QUANTITY AND           CKT         CIRCUIT DESCRIPTION           1         CORRIDOR # 111           3         RM # 119           5         RIM # 106,107           9         STAIR A # 206           11         RIM # 106,107           13         RIM # 106,107           15         RIM # 106,107           17         SITE LIGHTING           19	ANCH I CORRIDOR HDM-1A SURFACE TYPE 1	EA202 EA202 RDS' FO RCUIT B TRIP P 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Image: Poles	TURES RS IN 594 850 900	V AX # OI OF PA PANEL A 1322 430 585	OLTAGE PHASES WIRES F POLES NELBOA BOARDS BOARDS BOARDS 1410 120 120	<ul> <li>480/2</li> <li>3</li> <li>3</li> <li>4</li> <li>30</li> <li>30</li> </ul>	277 Wye 277 2520	ERS, SC POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MAI MAI M HEDUL TRIP 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	AINS TY NS RATII CB RATII ES, AND NOTES	NG: 100 A NG: 70 A SPECIFICATIONS. CIRCUIT DESCRIPTION RM # 117 RM # 107,106 CORRIDOR # 121 CORRIDOR # 202 RM # 209 RM # 209 RM # 107, 106 CORRIDOR #e200B SITE LIGHTING RM # e108	
	BR/           LOCATION:           SUPPLY FROM:           MOUNTING:           ENCLOSURE:           REMARKS NOTES:           [A]           [B]           GENERAL NOTES:           1. SEE SPECIFICATION SECTION           2. VERIFY SIZE, QUANTITY AND           CKT         CIRCUIT DESCRIPTION           1         CORRIDOR # 111           3         RM # 119           5         RIM # 106,107           9         STAIR A # 206           11         RIM # 106,107           13         RIM # 106,107           15         RIM # 106,107           17         SITE LIGHTING           19         21	ANCH I CORRIDOR HDM-1A SURFACE TYPE 1	EA202 EA202 RDS' FO RCUIT B. TRIP P 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Image: Provide state st	TURES RS IN 594 850 900	V AX # OI OF PA PANEL A 1322 430 585	OLTAGE PHASES WIRES F POLES NELBOA BOARDS BOARDS 1410 120 120	<ul> <li>480/2</li> <li>3</li> <li>3</li> <li>4</li> <li>30</li> <li>30</li> <li>30</li> <li>30</li> <li>30</li> <li>4</li> <li>4</li></ul>	277 Wye 277 2520 273 2520 273 2520 273 2520	ERS, SC POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MAI MAI M HEDUL TRIP 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	AINS TY NS RATII CB RATII ES, AND NOTES	NG: 100 A NG: 70 A SPECIFICATIONS. CIRCUIT DESCRIPTION RM # 117 RM # 107,106 CORRIDOR # 121 CORRIDOR # 202 RM # 209 RM # 209 RM # 107, 106 CORRIDOR #e200B SITE LIGHTING RM # e108	
	BR/           LOCATION:           SUPPLY FROM:           MOUNTING:           ENCLOSURE:           REMARKS NOTES:           [A]           [B]           GENERAL NOTES:           1. SEE SPECIFICATION SECTION           2. VERIFY SIZE, QUANTITY AND           CKT         CIRCUIT DESCRIPTION           1         CORRIDOR # 111           3         RM # 119           5         RIM # 106,107           1         RIM # 106,107           15         RIM # 106,107           17         SITE LIGHTING           19         21           23         25	ANCH I CORRIDOR HDM-1A SURFACE TYPE 1	EA202 EA202 RDS' FO RCUIT B TRIP P 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Image: Provide state st	TURES RS IN 594 850 900	V AX # OI OF PA PANEL A 1322 430 585 585	OLTAGE PHASES WIRES F POLES NELBOA BOARDS BOARDS 1410 120 459	<ul> <li>480/2</li> <li>3</li> <li>3</li> <li>4</li> <li>30</li> <li>30</li> <li>30</li> <li>30</li> <li>30</li> <li>4</li> <li>4</li></ul>	277 Wye 277 Wye 277 Wye 277 Wye 277 Wye 277 Wye 277 2520 273 2520 275 273 2520 275	ERS, SC POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MAI MAI MI HEDUL TRIP 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	AINS TY NS RATII CB RATII ES, AND NOTES	NG: 100 A NG: 70 A SPECIFICATIONS. CIRCUIT DESCRIPTION RM # 117 RM # 107,106 CORRIDOR # 121 CORRIDOR # 202 RM # 209 RM # 209 RM # 107, 106 CORRIDOR #e200B SITE LIGHTING RM # e108	
	BR/           LOCATION:           SUPPLY FROM:           MOUNTING:           ENCLOSURE:           REMARKS NOTES:           [A]           [B]           GENERAL NOTES:           1. SEE SPECIFICATION SECTION           2. VERIFY SIZE, QUANTITY AND           CKT         CIRCUIT DESCRIPTION           1         CORRIDOR # 111           3         RM # 119           5         RM # 106,107           1         CORRIDOR # 111           3         RM # 106,107           1         CORRIDOR # 111           3         RM # 106,107           1         RM # 106,107           1         RM # 106,107           13         RM # 106,107           15         RM # 106,107           17         SITE LIGHTING           19         21           23         25           27         29	ANCH I CORRIDOR HDM-1A SURFACE TYPE 1	EA202 EA202 RDS' FO RCUIT B TRIP F 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	PR FEAT         PR FEAT <td< td=""><td>TURES RS IN 594 850 900 900</td><td>V AX # OI OF PA PANEL A 1322 430 585 585 1 1322 430</td><td>OLTAGE PHASES WIRES F POLES NELBOA BOARDS BOARDS 1410 120 459 459 459</td><td><ul> <li>480/2</li> <li>3</li> <li>3</li> <li>4</li> <li>30</li> <li>30</li> <li>30</li> <li>30</li> <li>30</li> <li>4</li> <li>30</li> <li>4</li> <li>30</li> <li>4</li> <li>30</li> <li>4</li> <li>4</li></ul></td><td>277 Wye 277 Wye 277 Wye 277 Wye 277 Wye 277 Wye 277 2520 273 2520 274 274 275 274 275 27</td><td>ERS, SC POLES 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>MAI MAI MI EDUL TRIP 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td><td>AINS TY NS RATII CB RATII ES, AND NOTES</td><td>NG: 100 A NG: 70 A SPECIFICATIONS. CIRCUIT DESCRIPTION RM # 117 RM # 107,106 CORRIDOR # 121 CORRIDOR # 202 RM # 209 RM # 209 RM # 107, 106 CORRIDOR #e200B SITE LIGHTING RM # e108</td><td></td></td<>	TURES RS IN 594 850 900 900	V AX # OI OF PA PANEL A 1322 430 585 585 1 1322 430	OLTAGE PHASES WIRES F POLES NELBOA BOARDS BOARDS 1410 120 459 459 459	<ul> <li>480/2</li> <li>3</li> <li>3</li> <li>4</li> <li>30</li> <li>30</li> <li>30</li> <li>30</li> <li>30</li> <li>4</li> <li>30</li> <li>4</li> <li>30</li> <li>4</li> <li>30</li> <li>4</li> <li>4</li></ul>	277 Wye 277 Wye 277 Wye 277 Wye 277 Wye 277 Wye 277 2520 273 2520 274 274 275 274 275 27	ERS, SC POLES 1 1 1 1 1 1 1 1 1 1 1 1 1	MAI MAI MI EDUL TRIP 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	AINS TY NS RATII CB RATII ES, AND NOTES	NG: 100 A NG: 70 A SPECIFICATIONS. CIRCUIT DESCRIPTION RM # 117 RM # 107,106 CORRIDOR # 121 CORRIDOR # 202 RM # 209 RM # 209 RM # 107, 106 CORRIDOR #e200B SITE LIGHTING RM # e108	
	BR/           LOCATION           SUPPLY FROM           MOUNTING           ENCLOSURE           REMARKS NOTES:           [A]           [B]           GENERAL NOTES:           1. SEE SPECIFICATION SECTION           2. VERIFY SIZE, QUANTITY AND           CKT         CIRCUIT DESCRIPTION           1         CORRIDOR # 111           3         RM # 119           5         RM # 106,107           1         RM # 106,107           9         STAIR A # 206           11         RM # 106,107           13         RM # 106,107           15         RM # 106,107           17         SITE LIGHTING           19         21           23         25           27         29           LOAD CLASSIFICATION	ANCH I CORRIDOR HDM-1A SURFACE TYPE 1	EA202 EA202 RDS' FO RCUIT B TRIP F 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	PR FEA <sup>™</sup> REAKE POLES 1 1 1 1 1 1 1 1 1 1 1 1 1	TURES RS IN 594 850 900 900 900	V AX # OI OF PA PANEL A 1322 430 585 585 1 430 585 585 585 585 585 585 585 58		E: 480/2 S: 3 S: 4 S: 30 S	277 Wye  277 Wye  277 Wye  277 Wye  273 2520 273 273 2520 273 2520 273 2520 273 2520 250 273 2520 273 273 2520 273 2520 273 2520 273 2520 273 2520 273 2520 273 250 273 250 273 250 273 250 273 250 273 250 273 250 273 250 273 250 273 250 273 250 273 250 273 250 273 250 273 250 273 273 250 273 250 273 273 273 273 273 273 273 273 273 273	ERS, SC POLES 1 1 1 1 1 1 1 1 1 1 1 1 1	MAI MAI MI EDUL TRIP 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A		NG:       100 A         NG:       70 A         SPECIFICATIONS.         CIRCUIT DESCRIPTION         RM # 117         RM # 107,106         CORRIDOR # 121         CORRIDOR # 202         RM # 209         RM # 107, 106         CORRIDOR #e200B         SITE LIGHTING         RM # e108	
	BR/           LOCATION           SUPPLY FROM:           MOUNTING:           ENCLOSURE:           REMARKS NOTES:           [A]         [B]           GENERAL NOTES:           [A]         [B]           GENERAL NOTES:           [A]         [B]           GENERAL NOTES:           1. SEE SPECIFICATION SECTION           2. VERIFY SIZE, QUANTITY AND           CKT           CIRCUIT DESCRIPTION           1         CORRIDOR # 111           3         RM # 119           5         RM # 106,107           1         CORRIDOR # 111           3         RM # 106,107           9         STAIR A # 206           11         RM # 106,107           13         RM # 106,107           15         RM # 106,107           17         SITE LIGHTING           19         21           23         25           27         29           LOAD CLASSIFICATION           Other	<b>ANCH</b> CORRIDOR         HDM-1A         SURFACE         TYPE 1         Image: Superstand Stress of Classical Stress of	EA202 EA202 RDS' FO RCUIT B TRIP F 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	PR FEA REAKE POLES 1 1 1 1 1 1 1 1 1 1 1 1 1	TURES RS IN 594 850 900 900 900	V AX # OI AX # OI AX # OI A PANEL A 1322 430 585 585 100 1 VA 3 A FACTO 00%	OLTAGE PHASES WIRES F POLES BOARDS BOARDS 1410 120 459 459 459 459 459 1410 120 120 120 120 120 120 120 120 120 1	E: 480/2 S: 3 S: 4 S: 4 S: 30 S: 4 S: 30 S: 4	277 Wye  277 Wye  277 Wye  277 Wye  277 Wye  273  2950  2950  250  273  2520  273  273  273  273  273  273  273  2	ERS, SC POLES 1 1 1 1 1 1 1 1 1 1 1 1 1	MAI MAI MI HEDUL TRIP 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	AINS TY NS RATII CB RATII ES, AND NOTES	NG:       100 A         NG:       70 A         SPECIFICATIONS.         CIRCUIT DESCRIPTION         RM # 117         RM # 107,106         CORRIDOR # 121         CORRIDOR # 202         RM # 107, 106         CORRIDOR # 202         RM # 107, 106         CORRIDOR # 202         RM # 107, 106         CORRIDOR #e200B         SITE LIGHTING         RM # e108	
	BR/           LOCATION           SUPPLY FROM:           MOUNTING:           ENCLOSURE:           REMARKS NOTES:           [A]         [B]           GENERAL NOTES:           [A]         Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspan="2	ANCH I CORRIDOR HDM-1A SURFACE TYPE 1	EA202 EA202 RDS' FO RCUIT B TRIP F 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	PR FEA REAKE POLES 1 1 1 1 1 1 1 1 1 1 1 1 1	TURES RS IN 594 850 900 900 900 900	V AX # OI AX # OI A OF PA PANEL A 1322 430 585 585 100 1 VA 3 A FACTO 00%	OLTAGE PHASES WIRES F POLES F POLES NELBOA BOARDS BOARDS 1410 120 459 459 459 1410 120 459 13/4 459	E: 480/2 S: 4 S: 4 S: 4 S: 30 S: 4 S: 30 S: 4	277 Wye  277 Wye  277 Wye  277 Wye  277 Wye  273  2950  250  273  2520  273  273  273  273  273  273  273  2	ERS, SC POLES 1 1 1 1 1 1 1 1 1 1 1 1 1	MAI MAI MU HEDUL TRIP 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A		NG:       100 A         NG:       70 A         SPECIFICATIONS.         CIRCUIT DESCRIPTION         RM # 117         RM # 107,106         CORRIDOR # 121         CORRIDOR # 202         RM # 209         RM # 107, 106         CORRIDOR # 202         RM # 209         RM # 107, 106         CORRIDOR #e200B         SITE LIGHTING         RM # e108	
	BR/           LOCATION           SUPPLY FROM:           MOUNTING:           ENCLOSURE:           REMARKS NOTES:           [A]         [B]           GENERAL NOTES:           1. SEE SPECIFICATION SECTION           2. VERIFY SIZE, QUANTITY AND           CKT           CIRCUIT DESCRIPTION           1         CORRIDOR # 111           3         RM # 109           5         RM # 106,107           1         CORRIDOR # 111           3         RM # 106,107           9         STAIR A # 206           11         RM # 106,107           15         RM # 106,107           15         RM # 106,107           15         RM # 106,107           17         SITE LIGHTING           19         21           23         25           27         29           LOAD CLASSIFICATION           Other	ANCH I CORRIDOR HDM-1A SURFACE TYPE 1	RDS' FO RCUIT B TRIP F 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	PR FEA PR FEA POLES 1 1 1 1 1 1 1 1 1 1 1 1 1	TURES ERS IN 594 850 900 900 900 100.0	V AX # OI AX # OI A PANEL A 1322 430 585 585 585 100 1 VA 3 A FACTO 00%		E: 480/2 S: 4 S: 4 S: 4 S: 30 S: 4 S: 30 S: 4	277 Wye  277 Wye  277 Wye  277 Wye  273  2950  2950  2950  250  273  2520  273  273  2520  273  273  273  273  273  273  273  2	ERS, SC POLES 1 1 1 1 1 1 1 1 1 1 1 1 1	MAI MAI M M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1	AINS TY NS RATII CB RATII ES, AND NOTES NOTES APPR DTAL CO TOTAL E CONN. EMAND	NG:       100 A         NG:       70 A         SPECIFICATIONS.         CIRCUIT DESCRIPTION         RM # 117         RM # 107,106         CORRIDOR # 121         CORRIDOR # 202         RM # 209         RM # 107, 106         CORRIDOR # 202         RM # 209         RM # 107, 106         CORRIDOR #e200B         SITE LIGHTING         RM # e108	

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	BRAN	CH F	PAN	IEL:	<u>LV</u>	- <u>1B</u>										
	LOCATION: KIT	CHEN EA	115			V	OLTAGE	: 120	)/208 W	ye		A	SC RATI	NG: 22K		
	SUPPLY FROM: LVI	M-1A					PHASES	: 3			MAINS TYPE: MCB					
	MOUNTING: RE	CESSED					WIRES	: 4				MAI	NS RATI	NG: 100 A		
	ENCLOSURE: TY	PE 1			M	AX # OF		: 42				м	CB RATI	<b>NG:</b> 100 A		
REMA	RK NOTES:				<u></u>											
			NTERR		CIRCU		AKERS									
			TERRI				KERS									
							KEIKO.									
GENE																
						סר										
1. FR	SPECIFICATION SECTION 'DA							DDe								
2. SE					DO IN											
3. VE	RIFY SIZE, QUANTITY AND TYP			BREAKE	:R2 IN	PANEL	BUARDS	5 VVII		5, RISI	-RS, SU	HEDUL	ES, ANL		ATIONS.	
СКТ	CIRCUIT DESCRIPTION	NOTES	TRIP	POLES		A	В		C	;	POLES	TRIP	NOTES	CIRCU	IT DESCRIPTION	СКТ
1	RECEPTACLES, RM 116	A	20 A	1	1650	1248					1	20 A	A	REACH-IN	REF, RM 115	2
3	RECEPTACLES, RM 115		20 A	1			540	1350			1	20 A		HOLDING	CABINET, RM 116	4
5	RECEPTACLES		20 A	1					180	1248	1	20 A	A	DISPLAY F	REF, RM 116	6
7	RECEPTACLES, RM 115		20 A	1	180	1200					1	20 A		COFFEE B	8	
9	RECEPTACLES, RM 116	Α	20 A	1			1650	180			1	20 A		RECEPTA	CLES, RM 115	10
11	Recp. for AGRU-1, RM 115		20 A	1					1555	1572	1	20 A		TEA BREV	/ER, RM 116	12
13	RECEPTACLES, RM 116		20 A	1	1000											14
15	SANDWICH UNIT, RM 116		20 A	1			350	180			1	20 A		RECEPTA	16	
17	RECEPTACLES		20 A	1					180						18	
19	DROP-IN COLD PAN, RM 116		20 A	2	1500	1550					2	20 A		COFFEE B	REWER, RM 116	20
21							1500	1550							,	22
23	SPEED OVEN, RM 116		30 A	2					1600	0	2	20 A		Spare		24
25					1600	0										26
27	Spare		30 A	2		-	0	0			1	20 A	Α	Spare		28
29							-	-	0	0	1	20 A		Snare		30
31	Spare		20 A	1	0	0					1	20 A		Snare		32
33	Spare		20 A	1			0	0			1	20 A		Spare		34
35	Spare		20 A	1			Ŭ	•	0	0	1	20 A		Spare		36
37	Spare		20 4	1	0	0			-	Ŭ	1	20 4		Spare		38
30	Spare		20 4	1	U U	U	0	0			1	20 4		Snare		40
11	Spare		20 1	1			v	•	0	0	1	20 7		Snaro		12
	Opare		7 02 I		992	8 VA	7300	VA.	6335	5 VA	1	20 A		Opare		42
			, т	OTAL	84	4 A	62 /	\ \	53	A	I					
LOAD	CLASSIFICATION	ONNECT	ED LO	AD DE	MAND	FACTO	R EST	IMAT	ED DEN	MAND			APPI	ROX. PANE	L TOTALS	
RECE	PTACLES	2356	3 VA		65.0	0%		15	316 VA							
									·			Т	OTAL CO	ONN. LOAD	23563 VA	
											_		TOTAL	EST. LOAD	15316 VA	
												ΤΟΤΑ	CONN.	CURRENT	65 A	
											TOTAL	EST. D	DEMAND	CURRENT	43 A	
L				I												

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PA	NEL ID:		INVERTER ELP-A1	MAIN:	30A		VOLTAGE:	277 VOL	r, 1PH	
SE	ECTION :	#	1 OF 1	BUSSING:	100A		MOUNTING:	FLOOR		
PC	DLES:		14	AISC RATING:	25,000A		LOAD (KW):	3.1		
CIRCI	CIRCUIT BREAKER				LOAD	LOAD				
#	POLE	C/B	LOAD DESC	RIPTION	(KVA)	(KVA)	LOAD DESCRIPTION	C/B	POLE	#
1	1	20	EMERG. LIGHTS B LOUNG 106	OOK STORE	0.24	0.22	EMERG. LIGHTS IN VEST. 101	20	1	2
3	1	20	EMERG. LIGHTS CORR 111		0.21	0.21	EMERG. LIGHTS IN BOOK STORE #119	20	1	4
5	1	20	EMERG. LIGHTS S	TAIR A 206	0.08	0.00	SPARE	20	1	6
7	1	20	EMERG. LIGHTS IN 2ND FLOOR	N STAIR ON	0.10	0.21	EMERG. LIGHTS CORR 200B	20	1	8
9	1	20	EMERG. LIGHTS C	ORR 202	0.22	0.34	EMERG. LIGHTS IN STAFF LOUNGE 207	20	1	10
11	1	20	EMERG. LIGHTS B STORE LOUNG 10	6 6	0.67	0.30	EMERGENCY LIGHTING CONTROL PANEL ELP-A1-LC	20	1	12
13	1	20	SPARE		0.10	0.20	SPARE	20	1	14
<u>GEN</u>	ERAL N	OTES:				I		-		

1. REFER TO POWER RISER DIAGRAM ON DRAWING # E3.101 FOR MORE INFORMATION.

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# STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES

TECTON ARCHITECTS ONE HARTFORD SQUARE WEST HARTFORD, CT 06106

CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE

BI-CTC-437

date: 04-27-2015 scale production leader project manager: IP project architect: peer reviewer: drawing no.

E0.301

LUMINAIRES SCHEDULE NOTES: 1. BIDS SHALL BE BASED ON THE LUMINAIRE SCHEDULE BELOW AND THE SPECIFICATIONS. REFER TO THE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL GENERAL REQUIREMENTS.	F2	2 PRESCOLITE# LF4SQLED-4SQLED5G4-35K SERIES OR ACCEPTABLE EQUIVALENT BY: PEACHTREE LIGHTING 4BLSD SERIES; EDISON PRICE FTS DL/4 SERIES:	RECESSED CEILING MOUNTED 4.5"X4.5" SQUARE OPEN APERTURE LED DOWN LIGHT LUMINAIRE; STEEL HOUSING; 6–1/4" DEEP HOUSING; SPECULAR CLEAR ALZAK REFLECTOR; INTEGRAL MOUNTED 0–10V LED DRIVER FOR ON/OFF SWITCHING.	7 V TOTAL 17W LED 80 CRI MIN. 3500K	X1A DUAL LITE #LE-C-S-G-N-A-2C SERIES OR ACCEPTABLE EQUIVALENT BY: EMERGILITE; EVENLITE; ISOLITE;	PROVIDE (2) SIGNS IN LOCATION WHERE THIS SYMBOL IS INDICATED: (1) TYPE "X1" AND (1) ADDITIONALLY UNIVERSAL ACCESSIBILITY SIGN WITH 6" HIGH SYMBOL MOUNTED DIRECTLY ADJACENT TO "X1" EXIT SIGN. WATER-CLEAR INJECTION-MOLDED ACRYLIC PLAQUE; CLEAR BACKGROUND;	277 V LED	
<ol> <li>LOW-MERCURY T8 LAMPS NOT TO EXCEED 1.7 MG TOTAL PER 4 FOOT LAMP IN ORDER TO QUALIFY FOR LEED INNOVATION CREDIT AS MANUFACTURED BY PHILIPS ALTO II TECHNOLOGY OR EQUIVALENT.</li> <li>LOW-MERCURY T5 LAMPS NOT TO EXCEED 1.4 MG TOTAL PER 4 FOOT LAMP IN ORDER TO QUALIFY FOR LEED INNOVATION CREDIT AS MANUFACTURED BY PHILIPS ALTO TECHNOLOGY OR EQUIVALENT.</li> <li>FINISHES OF ALL LUMINAIRE SHALL BE AS SELECTED BY ARCHITECT.</li> <li>MFR. &amp; SERIES</li> <li>LUMINAIRE DESCRIPTION</li> <li>VOL<sup>-</sup></li> </ol>	F2 TS LAMPS	2E PRESCOLITE# LF4SQLED-4SQLED5G4-35K SERIES OR ACCEPTABLE EQUIVALENT BY: PEACHTREE LIGHTING 4BLSD SERIES; EDISON PRICE FTS DL/4 SERIES;	LUMINAIRE AND LAMPS SAME AS [F2] EXCEPT SHALL BE CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT.	7 V TOTAL 17W LED 80 CRI MIN. 3500K	DUAL LITE #LE-C-S-N-A-2C- SW118 SERIES OR ACCEPTABLE EQUIVALENT BY: EMERGILITE; EVENLITE; ISOLITE;	FACE; LAMP WIRED ON TWO SEPARATE NORMAL AND EMERGENCY POWER CIRCUITS;		
A1DL BETA CALCO BUBBLE SERIES #BCBBWH276/BCLED10/IN OR ACCEPTABLE EQUIVALENT BY: SOLERA CIRC SERIES; DEL-RAY 6800 SERIES; CONTROLLED BY DAY LIGHTING SENSOR FOR DIMMING. (3) TYPE "A1DL" LUMINAIRE SHALL BE STACK MOUNTED AT VARIOUS HEIGHT. COORDINATE EXACT MOUNTING HEIGHT OF	V TOTAL 180W LED 6900 LUMENS 80 CRI MIN. 3000K	2D PRESCOLITE# LF4SQLED-4SQLED5G4-35K SERIES OR ACCEPTABLE EQUIVALENT BY: PEACHTREE LIGHTING 4BLSD SERIES; EDISON PRICE FTS DL/4 SERIES; 2DL PRESCOLITE#	RECESSED CEILING MOUNTED 4.5"X4.5" SQUARE OPEN APERTURE LED DOWN LIGHT LUMINAIRE; STEEL HOUSING; 6–1/4" DEEP HOUSING; SPECULAR CLEAR ALZAK REFLECTOR; INTEGRAL MOUNTED 0–10V LED DRIVER FOR DIMMING. LUMINAIRE AND LAMPS SAME AS [F2] EXCEPT SHALL BE	7 V TOTAL 17W LED 80 CRI MIN. 3500K 7 V TOTAL	X1W DUAL LITE #LE-W-S-G-N-A-2C SERIES OR ACCEPTABLE EQUIVALENT BY: EMERGILITE; EVENLITE; ISOLITE;	WALL MOUNTED LED EDGE EXIT SIGN; WATER-CLEAR INJECTION-MOLDED ACRYLIC PLAQUE; CLEAR BACKGROUND; GREEN LETTERS; SATIN ALUMINUM FINISH TRIM/HOUSING; SINGLE FACE; LAMP WIRED ON TWO SEPARATE NORMAL AND EMERGENCY POWER CIRCUITS; DIRECTIONAL ARROWS AS INDICATED ON LIGHTING PLANS	277 V LED	
A1EDL BETA CALCO BUBBLE SERIES #BCBBWH276/BCLED10/IN OR ACCEPTABLE EQUIVALENT BY: SOLERA CIRC SERIES; DEL-RAY 6800 SERIES; DEL-RAY 6800 SERIES;	V TOTAL 180W LED 6900 LUMENS 80 CRI MIN. 3000K	LF4SQLED-ÄSQLED5G4-35K SERIES OR ACCEPTABLE EQUIVALENT BY: PEACHTREE LIGHTING 4BLSD SERIES; EDISON PRICE FTS DL/4 SERIES; 2EDI PRESCOLITE#	LUMINAIRE SHALL BE CONTROLLED BY DAY LIGHTING SENSOR FOR DIMMING	17W LED 80 CRI MIN. 3500K	X1WA DUAL LITE #LE-W-S-G-N-A-2C SERIES OR ACCEPTABLE EQUIVALENT BY: EMERGILITE; EVENLITE; ISOLITE;	PROVIDE (2) SIGNS IN LOCATION WHERE THIS SYMBOL IS INDICATED: (1) TYPE "X1W" AND (1) ADDITIONALLY UNIVERSAL ACCESSIBILITY SIGN WITH 6" HIGH SYMBOL MOUNTED DIRECTLY ADJACENT TO "X1W" EXIT SIGN. WATER-CLEAR INJECTION-MOLDED ACRYLIC PLAQUE; CLEAR BACKGROUND; RED SYMBOL; SATIN ALUMINUM FINISH TRIM/HOUSING; SING	LE	
ATIONAL LIGHTING # NICHES 2NS LED D/ID-4300-4-3500K- P48-UNV-DIM 0-10 SERIES OR ACCEPTABLE EQUIVALENT BY: PINNACLE EDGE EX2B SERIES; PICASSO KAYLA LED KAY24 SERIES; NICHES 14' LONG X 2-1/2" WIDE X 5" DEEP CONTINUOUS PENDANT ROW MOUNTED DIRECT/INDIRECT LINEAR LED LUMINAIRE; COLD ROW MOUNTED DIRECT/INDIRECT LINEAR LED LUMINAIRE; COLD ROULED STEEL HOUSING HOUSING; DIE FORMED WHITE POWDER COATED STEEL REFLECTOR; END CAPS; JOINERS; OPAQUE WHITE LENS; INTEGRAL MOUNTED DIMMABLE LED DRIVER; MINIMUM OF 4' LONG FIELD CUTTABLE STEM	V TOTAL 50W LED PER 4' SECTION 750/FT UPLIGHT LUMENS	LF4SQLED-4SQLED5G4-35K SERIES OR ACCEPTABLE EQUIVALENT BY: PEACHTREE LIGHTING 4BLSD SERIES; EDISON PRICE FTS DL/4 SERIES;	CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT. LUMINAIRE SHALL BE CONTROLLED BY DAY LIGHTING SENSOR FOR DIMMING.	17W LED 80 CRI MIN. 3500K	DUAL LITE #LE−W−S−N−A−2C− SW118 SERIES OR ACCEPTABLE EQUIVALENT BY: EMERGILITE; EVENLITE; ISOLITE;	FACE; LAMP WIRED ON TWO SEPARATE NORMAL AND EMERGENCY POWER CIRCUITS;	277 V LED	
B1E NATIONAL LIGHTING # NICHES 2NS LED D/ID-4300-4-3500K- LUMINAIRE AND LAMPS SAME AS [B1] EXCEPT SHALL BE 2NS LED D/ID-4300-4-3500K- CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT.	300/FT DOWNLIGHT LUMENS 85 CRI MIN. 3500K V TOTAL 50W LED	AFF-24-2-T5-LPA-277 SERIES OR ACCEPTABLE EQUIVALENT BY: FINELIGHT HPR SERIES; FOCAL POINT FEQ SERIES;	RECESSED CEILING MOUNTED 2.X4 CENTER BASKET TYPE       27.         FLUORESCENT LUMINAIRE; STEEL HOUSING; STEEL POWDER       COATED REFLECTOR; 0.08", FROSTED WHITE SIDE DIFFUSING         PANELS; 0.125" THICK, TRANSLUCENT EXTRUDED LENS       INCORPORATING INTERNAL LINEAR PRISMS CENTER DIFFUSER;         (1) BALLAST.       RECESSED CEILING MOUNTED 2'X2' ELLORESCENT LUMINAIRE:       27.	7 V (2) 24W	<ul> <li>IDUAL-LIT #LX-U-R-W-2C SERIES OR ACCEPTABLE EQUIVALENT BY: EMERGILITE; EVENLITE; ISOLITE;</li> </ul>	WALL MOONTED THERMOPLASTIC DOAL CIRCOTTS LED EXIT SIGN; RED LETTERS; WHITE COLOR HOUSING; SINGLE FACE WITH DIRECTIONAL ARROWS AS NOTED ON PLANS; (1) LED LAMP; LAMP WIRED ON TWO SEPARATE NORMAL AND EMERGENCY POWER CIRCUITS.		
P48-UNV-DIM 0-10 SERIES OR ACCEPTABLE EQUIVALENT BY: PINNACLE EDGE EX2B SERIES; PICASSO KAYLA LED KAY24 SERIES;	PER 4' SECTION 750/FT UPLIGHT LUMENS 300/FT DOWNLIGHT	AFF-22-2-T5HO-LPA-277 SERIES OR ACCEPTABLE EQUIVALENT BY: FINELIGHT HPR SERIES; FOCAL POINT FEQ SERIES; 1E NATIONAL LIGHTING AFE-22-2-T5HO-LPA-277	STEEL HOUSING; PRISMATIC LENS, GASKETED, 0.125" THICK,         (1) BALLAST.         LUMINAIRE AND LAMPS SAME AS [H1] EXCEPT SHALL BE         CONNECTED ONTO EMERGENCY OF LEDATOR ROUTED OF DOMINE	7 V (2) 24W	X4       EELP #TEX-1-R-BA-10 SERIES         OR ACCEPTABLE EQUIVALENT:         X         EW1E         SPAULDING LIGHTING	WALL MOUNTED VANDAL RESISTANT SELF LUMINOUS EXIT SIGN; CAST ALUMINUM HOUSING; BRUSHED ALUMINUM FINI RED LETTERS; 10 YEARS LIFE; TRITIUM GAS LIGHT SOURCE; SECURITY HOUSING; EXTERIOR WALL MOUNTED FULL CUT OFF LED LUMIMAIRE:	SH; N/A PROVIDED W/ LUMINAIRE 277 V 71W LED	
BIDL NATIONAL LIGHTING # NICHES 2NS LED D/ID-4300-4-3500K- P48-UNV-DIM 0-10 SERIES OR ACCEPTABLE EQUIVALENT BY: LUMINAIRE SHALL BE CONTROLLED BY DAY LIGHTING SENSOR	LUMENS 85 CRI MIN. 3500K TOTAL 50W LED PER 4' SECTION	SERIES OR ACCEPTABLE EQUIVALENT BY: FINELIGHT HPR SERIES; FOCAL POINT FEQ SERIES; BETA CALCO KIORA # 440902 SERIES OR ACCEPTABLE	PENDANT MOUNTED COMPACT FLUORESCENT LAMP 273	7 V (1) 32W TRIPLE	#LMC-30LU-4K-3 SERIES OR ACCEPTABLE EQUIVALENT:SABEGA-US SERIES #8977 LED OR ACCEPTABLE EQUIVALENT BY	DIE-CAST ALUMINUM HOUSING; PROVIDE (2) 700ma INTEGR MOUNTED LED DRIVERS; BOTH DRIVERS WILL BE CONNECTED ON SAME CIRCUIT; UL LISTED FOR WET LOCATION POLE MOUNTED LED LUMINAIRE; ONE PIECE THICK ALUMINU EXTRUSION POLE; EXTRUDED ALUMINUM HOUSING: INTEGRAL	AL 6023 DELIVERED LUMENS 4000K 70 CRI M 277V 39W LED 2388	
PINNACLE EDGE EX2B SERIES; PICASSO KAYLA LED KAY24 SERIES;	750/FT UPLIGHT LUMENS 300/FT DOWNLIGHT LUMENS 85 CRI MIN	COLUMBIA CSR4-228-U-EPU/CSRWG/CSHC SERIES OR ACCEPTABLE	CHAIN HUNG OR SURFACE MOUNTED 4' LONG FLUORESCENT INDUSTRIAL LIGHTING LUMINAIRE: WHITE ENAMEL REFLECTOR; 15% UP LIGHT; HEAVY STEEL HOUSING; WIRE GUARD; (1)	7 V (2) 28 W T5	HESS SERIES #LN450 OR TRADDEL SERIES #63785 SB BEGA-US SERIES #8619 LED OR ACCEPTABLE EQUIVALENT BY	MOUNTED LED DRIVER; UL LISTED FOR WET LOCATION; MOU ON 15 FT SQUARE POLE PROVIDE 890C TYPE ANCHORAGE. FINISH COLOR AS SELECTED BY ARCHITECT SQUARE ALUMINUM POST LED BOLLARD; DIE-CAST ALUMINU ENCLOSURE; INTEGRAL MOUNTED LED DRIVER; UL LISTED FO	NT DELIVERED LUMENS 4000K 80 CRI JM 277V 19.6W LED OR 416	
ALERA LIGHTING CV4-2T5-PERF-CM48-EPU-MW SERIES OR ACCEPTABLE EQUIVALENT BY: FINELIGHT SERIES 8; FOCAL POINT FV2S SERIES; 4 LONG X 9.5 WIDE X 2.5 DEEP CONTINUOUS PENDANT 4 LONG X 9.5 WIDE X 2.5 DEEP CONTINUOUS PENDANT 7 NOW MOUNTED LINEAR FLUORESCENT LUMINAIRE; STEEL HOUSING; FLAT END CAPS; PERFORATED WHITE CROSS BAFFLES; MINIMUM OF 48" LONG FULLY ADJUSTABLE AIR CRAFT CABLE; (1) BALLAST.	3500K ✓ (Z) 28W T5 J1	EQUIVALENT BY: PHILIPS DAYBRITE 5F SERIES; LITHONIA EJS SERIES; E COLUMBIA CSR4-228-U-EPU/CSRWG/CSHC SERIES OR ACCEPTABLE EQUIVALENT BY:	BALLAST.       LUMINAIRE AND LAMPS SAME AS [J1] EXCEPT SHALL BE       271         CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT.       271	7 V (2) 28 W T5	ARCLUCE SERIES #S6791 OR TRADDEL SERIES # 63505	WET LOCATION; PROVIDE 895A TYPE ANCHORAGE. FINISH A SELECTED BY ARCHITECT	S DELIVERED LUMENS 4000K 80 CRI	
C1E       ALERA LIGHTING       LUMINAIRE AND LAMPS SAME AS [C1] EXCEPT SHALL BE       277         CV4-2T5-PERF-CM48-EPU-MW       SERIES OR ACCEPTABLE       CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT.       277         SERIES OR ACCEPTABLE       EQUIVALENT BY:       FINELIGHT SERIES 8;       FOCAL POINT FV2S SERIES:       277	V (2) 28W T5 J2	PHILIPS DAYBRITE 5F SERIES; LITHONIA EJS SERIES; COLUMBIA CS SERIES OR ACCEPTABLE EQUIVALENT BY LITHONIA PHILIPS DAY-BRITE,	4'-LONG FLUORESCENT CHANNEL LUMINAIRE: STEEL HOUSING; BAKED WHITE ENAMEL FINISH ; UL LISTED FOR DAMP LOCATION; (1) BALLAST; CHAIN HANGER; WIRE GUARD;	7 V (2) 28W T5				
LED-2850-4-3500K-AC-UNV- DIM 0-10 SERIES OR ACCEPTABLE EQUIVALENT BY: HE WILLIAMS LLM-SQ SERIES; PICASSO STR-108-LED SERIES; DIE NATIONAL LIGHTING # HL5 LUMINAIRE AND LAMPS SAME AS [D1] EXCEPT SHALL BE 277	V TOTAL 30W LED 2850 LUMENS 85 CRI MIN 3500K V TOTAL	1 LITON LIGHTING #LCALD6450 SERIES OR ACCEPTABLE EQUIVALENT BY: PHILIPS LIGHTOLIER; DATHWAY CERSI BY SERIES;	PENDANT MOUNTED LED CYLINDER, FINISH COLOR AS SELECTED BY ARCHITECT. INTEGRAL MOUNTED NON-DIM LED DRIVER.	7 V TOTAL 50W LED 5000 LUMENS 80 CRI MIN 3500K	NOTES: 1. SEE SPECIFICATION SECTION "WIRING 2. CONTRACTOR SHALL COORDINATE EX WITH ARCHITECT TO MATCH FLOOR	DEVICES" FOR ADDITIONAL INFORMATION. ACT FINISHES & STYLE OF COVER PLATES FOR ALL FLOOR E	OXES	
CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT. DIM 0-10 SERIES OR ACCEPTABLE EQUIVALENT BY: HE WILLIAMS LLM-SQ SERIES; PICASSO STR-108-LED SERIES; 1 NATIONAL LIGHTING 4NR-1-T5-SFA-PRSB-UNV CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT. CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT. EMERGENCY GENERATOR POWER CIRCUIT. EMERGENCY GENERATOR POWER CIRCUIT. CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT. ACCEPTABLE EQUIVALENT BY: HE WILLIAMS LLM-SQ SERIES; PICASSO STR-108-LED SERIES; CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT. ACCEPTABLE EQUIVALENT BY: HE WILLIAMS LLM-SQ SERIES; PICASSO STR-108-LED SERIES; CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT. ACCEPTABLE EQUIVALENT BY: HE WILLIAMS LLM-SQ SERIES; PICASSO STR-108-LED SERIES; CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT. ACCEPTABLE EQUIVALENT BY: HE WILLIAMS LLM-SQ SERIES; PICASSO STR-108-LED SERIES; CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT. ACCEPTABLE EQUIVALENT BY: HE WILLIAMS LLM-SQ SERIES; PICASSO STR-108-LED SERIES; CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT. ACCEPTABLE EQUIVALENT BY: HE WILLIAMS LLM-SQ SERIES; PICASSO STR-108-LED SERIES; CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT. ACCEPTABLE EQUIVALENT BY: HE WILLIAMS LLM-SQ SERIES; PICASSO STR-108-LED SERIES; PICASSO STR-108-LED SERIES; ACCEPTABLE EQUIVALENT BY: ACCEPTABLE EQUIVALENT BY: HE WILLIAMS LLM-SQ SERIES; PICASSO STR-108-LED SERIES; PICASSO STR-108-LED SERIES; ACCEPTABLE EQUIVALENT BY: ACCEPTABLE EQUIVALE	2850 2850 LUMENS 85 CRI MIN 3500K V (1) 28W T5	1E LITON LIGHTING #LCALD6450 SERIES OR ACCEPTABLE EQUIVALENT BY: PHILIPS LIGHTOLIER; PATHWAY C68SLBV SERIES;	LUMINAIRE AND LAMPS SAME AS [K1] EXCEPT SHALL BE CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT.	7 V TOTAL 50W LED 5000 LUMENS 80 CRI MIN 3500K	3.FLOOR BOXES SHALL BE RATED FORTAGDESCRIPTIONFB-AWIREMOLD #RFB6-OG SERIES 6-GANG COMPARTMENTSRECESSE COMPARTMENTS	SCRUB WATER IN ACCORDANCE WITH UL514A. DEVICES D SLAB ON GRADE FLOOR BOX WITH COVER PLATE; (6) GAN IMENTS; (5) DUPLEX RECEPTACLE OUTLETS IN (5) GANG IMENTS, AND REMAINING (1) GANG COMPARTMENT FOR	NOTES G	
SERIES OR ACCEPTABLE EQUIVALENT BY: SELUX M100 SERIES; LITECONTROL MOD 44 SERIES;FLUORESCENT LUMINAIRE; STEEL HOUSING; STEEL POWDER COATED REFLECTOR; SNAP-ON FROSTED ACRYLIC DIFFUSER; TANDEM WIRING; (1) BALLAST FOR MAXIMUM OF 2-LAMPS; COORDINATE CEILING TYPE AND LENGTHS AS SHOWN.TIENATIONAL LIGHTING 4NR-1-T5-SFA-PRSB-UNV SERIES OR ACCEPTABLELUMINAIRE AND LAMPS SAME AS [E1] EXCEPT SHALL BE CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT.277 Y	✓ (1) 28W T5	2 LITON LIGHTING #LCALD6350 SERIES OR ACCEPTABLE EQUIVALENT BY: PHILIPS LIGHTOLIER; PATHWAY C68SLBV SERIES; ZUMTOBEL ONDALEDS-27W-835-	SURFACE CEILING MOUNTED LED CYLINDER. FINISH COLOR AS SELECTED BY ARCHITECT. INTEGRAL MOUNTED NON-DIM LED DRIVER. SURFACE CEILING MOUNTED DECORATIVE LED LUMINAIRE. 27	V TOTAL 40W LED 4000 LUMENS 80 CRI MIN 3500K V TOTAL	RECESSED STEEL TELECOM FLOOR BOX. TELECOM POWER V CONFIGUI REQUIREN OF DEVIC	MUNICATION DEVICES. PROVIDE DIVIDER BETWEEN MUNICATION AND POWER DEVICES. PROVIDE (1) 1" CONDUI VIRING. REFER TO TECHNOLOGY "TC" SERIES DRAWINGS FOR RATION OF TELECOMMUNICATION DEVICES AND CONDUITS MENTS. PROVIDE ALL NECESSARY ACCESSORIES FOR INSTALL CES; FINISHES AND MATERIAL SHALL BE AS SELECTED BY	F FOR EXACT ATION	
EQUIVALENT BY: SELUX M100 SERIES; LITECONTROL MOD 44 SERIES; 22 NATIONAL LIGHTING 4NR-1-T5-SFA-PRSB-UNV SERIES OR ACCEPTABLE FLUORESCENT LUMINAIRE; STEEL HOUSING; STEEL POWDER COATED REFLECTOR; SNAP-ON FROSTED ACRYLIC DIFFUSER; FOUNDAL FOR ACCEPTABLE	V (1) 28W T5 PER 4' SECTION	D-OL-XX-DU-XXX OR ACCEPTABLE EQUIVALENT BY: XAL VELA LED SERIES; PRUDENTIAL P4000LED SERIES-PREMIUM FINISH; ID ZUMTOBEL ONDALEDS-27W-835- D-OL-XX-DU-XXX OR	INTEGRAL MOUNTED 0-10V LED DIMMING DRIVER	27W LED 1750 LUMENS 85 CRI MIN 3500K 7 V TOTAL 27W				
SELUX M100 SERIES; LITECONTROL MOD 44 SERIES; COORDINATE CEILING TYPE AND LENGTHS AS SHOWN. LENGTHS PER ARCHITECTURAL PLANS; FILL WITH LAMPS FROM END TO END; MAXIMIZE LENGTH OF LAMPS; PROVIDE END CAPS AT BOTH ENDS OF ROW.	(1) 21 W T5 PER 3' (1) 14 W T5 PER 2' SECTIONS AS REQUIRED	ACCEPTABLE EQUIVALENT BY: XAL VELA LED SERIES; PRUDENTIAL P4000LED SERIES-PREMIUM FINISH; IE ZUMTOBEL ONDALEDS-27W-835- D-OL-XX-DU-XXX OR	FOR DIMMING LUMINAIRE AND LAMPS SAME AS [L1] EXCEPT SHALL BE CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT.	LED 1750 LUMENS 85 CRI MIN 3500K 7 V TOTAL 27W	SEE SPECIFICATION SECTION WIRING     2. CONTRACTOR SHALL COORDINATE EX     DEVICES WITH ARCHITECT TO MATCH     3. POKE THRU DEVICES SHALL BE RATE     TAG DESCRIPTION	ACT FINISHES & STYLE OF COVER PLATES FOR ALL POKE TH I FLOOR FINISHES. ED FOR SCRUB WATER IN ACCORDANCE WITH UL514A. DEVICES	IRU NOTES	
M1       DUAL LITE LM SERIES OR ACCEPTABLE EQUIVALENT BY: ISOLITE; EVENLITE       EMERGENCY LIGHTING UNIT: IMPACT RESISTANT HOUSING; ACRYLIC PRISMATIC LENS; IMPACT RESISTANT HOUSING; ACRYLIC PRISMATIC LENS; (2) 8 WATT, 6V TUNGSTEN HALOGEN LAMPS; WHITE FINISH; SEALED NICKEL CADMIUM BATTERY; INTEGRAL TEST SWITCH; CHARGER; LOW VOLTAGE DISCONNECT; INTEGRAL SELF-DIAGNOSTIC TEST FEATURE;       277 Y	V (2) 8 W BY MFR.	ACCEPTABLE EQUIVALENT BY: XAL VELA LED SERIES; PRUDENTIAL P4000LED SERIES—PREMIUM FINISH; 1 ATLANTIC LIGHTING #LED40— DLM1100—35K OR ACCEPTABLE EQUIVALENT BY:	RECESSED CEILING MOUNTED 4" DIAMETER LED LUMINAIRE; 27 INTEGRAL MOUNTED 0–10V LED DIMMING DRIVER	LUMENS 85 CRI MIN 3500K 7 V TOTAL 18W LED 1100	PT-A WIREMOLD EVOLUTION 8AT SERIES RECESSED 8" POKE THRU DEVICE. ACCESSO DRAWING AND (1)	D POKE THRU DEVICE WITH COVER PLATE; (3) DUPLEX ACLE POWER OUTLETS MOUNTED IN SIDE COMPARTMENTS; (2) IN CENTRAL COMPARTMENT. PROVIDE ALL NECESSARY ORIES FOR INSTALLATION OF ALL DEVICES. SEE TC SERIES OS FOR MORE INFORMATION. PROVIDE (1) 1"C. FOR POWER V 2"C. FOR DATA WIRING.	DATA /IRING	
LF4SQLED-4SQLED7G4-30K SERIES OR ACCEPTABLE EQUIVALENT BY: PEACHTREE LIGHTING 4BLSD SERIES; EDISON PRICE FTS DL/4 SERIES;	27W LED 1100 LUMENS 80 CRI MIN. 3500 K	EDISION PRICE #DL LED/4LS ZUMTOBEL #BR4WLED2-N-22W- 835-D/ BR4WLED2-N-CS- N/9930 OR ACCEPTABLE EQUIVALENT BY:	RECESSED LED WALL WASHER LUMINAIRE: INTEGRAL MOUNTED 273 0–10V LED DIMMING DRIVER	V TOTAL 22W LED 980 LUMENS 85 CP				
1E       PRESCOLITE#       LUMINAIRE AND LAMPS SAME AS [F1] EXCEPT SHALL BE       277 Y         1E       LF4SQLED-4SQLED7G4-30K       LUMINAIRE AND LAMPS SAME AS [F1] EXCEPT SHALL BE       277 Y         SERIES OR ACCEPTABLE       CONNECTED ONTO EMERGENCY GENERATOR POWER CIRCUIT.       277 Y         PEACHTREE LIGHTING 4BLSD       SERIES;       277 Y	V TOTAL 27W LED 1100 LUMENS 80 CRI MIN. 3500 K	DUAL LITE #LE-C-S-G-N-A-2C SERIES OR ACCEPTABLE EQUIVALENT BY: EMERGILITE; V EVENLITE;	CEILING MOUNTED LED EDGE EXIT SIGN; WATER-CLEAR INJECTION-MOLDED ACRYLIC PLAQUE; CLEAR BACKGROUND; GREEN LETTERS; SATIN ALUMINUM FINISH TRIM/HOUSING; SINGLE FACE; LAMP WIRED ON TWO SEPARATE NORMAL AND EMERGENCY POWER CIRCUITS:	3500K 7 V LED			drawing title ELECTRICAL SCHEDULES	STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES
EDISON PRICE FTS DL/4 SERIES;       EDISON PRICE FTS DL/4 SERIES;       277 V         IDL       PRESCOLITE#       LUMINAIRE AND LAMPS SAME AS [F1] EXCEPT SHALL BE       277 V         LF4SQLED-4SQLED7G4-30K       SERIES OR ACCEPTABLE       LUMINAIRE SHALL BE CONTROLLED BY DAY LIGHTING SENSOR       277 V         SERIES OR ACCEPTABLE       EQUIVALENT BY:       PEACHTREE LIGHTING 4BLSD       FOR DIMMING       FOR DIMMING         SERIES;       EDISON PRICE FTS DL/4 SERIES;       FOR SERIES;       FOR SERIES;       FOR SERIES;	V TOTAL 27W LED 1100 LUMENS 80 CRI MIN. 3500 K	ISOLITE; 2 DUAL LITE #LE-C-D-G-N-A-2C SERIES OR ACCEPTABLE EQUIVALENT BY: EMERGILITE; EVENLITE; ISOLITE:	DIRECTIONAL ARROWS AS INDICATED ON LIGHTING PLANS	7 V LED			REVISIONS       mark     date     description       1     8/20/15     ADDENDUM 4	drawing prepared by: TECTON ARCHITECTS ONE HARTFORD SQUARE WEST HARTFORD, CT 06106 project: CAMPUS RENOVATIONS - ASNUNTUCK
LUIJON FRICE FIJ UL/4 JERIEJ;						50 Griffin Road South Bloomfield, CT 06002		COMMUNITY TECHNICAL COLLEGE 170 ELM STREET ENFIELD, CT

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outh 6002				170 ELM STRE ENFIELD, CT
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I	1
EMOLITION DRAWING I	NOTES
ONED POWER PANEL "S". REN CK TO THE SOURCES.	OVE EXISTING
R PANEL "SN". REMOVE EXISTII RCES. REFEED APPROXIMATE IEW POWER PANEL "LV-1B". PI INTERCEPT EXISTING ACTIVE G ACTIVE BRANCH CIRCUITS TO OVIDE NEW CONDUITS AND W O VERIFY EXACT QUANTITIES ( IAIN.	NG CONDUITS AND ELY (8) EXISTING ACTIVE ROVIDE NEW JUNCTION BRANCH CIRCUITS TO D REMAIN TO NEW IRING AS REQUIRED. DF EXISTING ACTIVE
R PANEL "PE". REMOVE EXISTI RCES. REFEED APPROXIMATE IEW POWER PANEL "LV-1A". PI INTERCEPT EXISTING ACTIVE G ACTIVE BRANCH CIRCUITS TO OVIDE NEW CONDUITS AND W O VERIFY EXACT QUANTITIES O IAIN.	NG CONDUITS AND ELY (8) EXISTING ACTIVE ROVIDE NEW JUNCTION BRANCH CIRCUITS TO D REMAIN TO NEW IRING AS REQUIRED. DF EXISTING ACTIVE
R PANEL "T". REMOVE EXISTING RCES. REFEED APPROXIMATE FROM NEW POWER PANEL "L\ CODE TO INTERCEPT EXISTIN END EXISTING ACTIVE BRANC /-1A". PROVIDE NEW CONDUIT SHALL FIELD VERIFY EXACT G TO REMAIN	G CONDUITS AND ELY (15) EXISTING /-1A". PROVIDE NEW NG ACTIVE BRANCH H CIRCUITS TO REMAIN S AND WIRING AS WANTITIES OF EXISTING
EXISTING RECESSED WALL MO TH (2) TEST SWITCH. PROVIDE EPT EXISTING CIRCUITS. EXT WIRING TO NEW LOCATION. R STRUCTION PLAN # EP2.201 FO	UNTED EMERGENCY NEW JUNCTION BOXES END EXISTING EFER TO FIRST R NEW LOCATION.
CE WALL MOUNTED FIRE ALAR ANEL. REMOVE EXISTING CON	M SYSTEM REMOTE IDUITS AND WIRING
CE WALL MOUNTED FIRE ALAR ANEL. REMOVE EXISTING CON	M SYSTEM LCD TYPE DUITS AND WIRING
RK TO REMAIN WITHIN ROOM (	DR AREA UNLESS
TIC DOOR HOLD OPEN DEVICE CK TO THE SOURCES.	S. REMOVE EXISTING
DETECTOR FOR ELEVATOR R LACE TO ACCOMMODATE NEW IECT INTO EXISTING FIRE ALAR ARM CIRCUIT TO NEW LOCATIO REQUIRED.	EGALL STSTEM AND / CEILING M SYSTEM CIRCUIT. DN. PROVIDE NEW
TO BE REMOVED. REMOVE EX CONDUIT AND WIRING BACK TO	KISTING POWER O THE SOURCES.
TO REMAIN. REMOVE EXISTIN RCES. REWIRE EXISTING POW AWING # EP2-201.	G CONDUITS AND ER OUTLETS WITH NEW
EXISTING SURFACE WALL MOU TEND EXISTING CONDUITS AND CONDUITS AND WIRING OF SA	NTED GENERATOR D WIRING TO THE NEW ME SIZE AS REQUIRED.
XISTING RECESSED WALL MO NEL. EXTEND EXISTING COND VIDE NEW CONDUITS AND WIR	JNTED CALL-FOR-AID UITS AND WIRING TO ING OF SAME SIZE AS
EXISTING WALL OR DOOR FRAM CONTROLLING EXISTING LIGH IVE AREA. PROVIDE TEMPOR DOOR FRAME. REUSE EXISTIN CATION. PROVIDE NEW COND	IE MOUNTED ITING FIXTURES ARY SUPPORT DURING G CONTROL CIRCUIT TO UITS AND WIRING AS
YER NEC CODE TO INTERCEPT NG DIST POWER PANEL "SDB-C OM # 123 ON 1ST FLOOR.	EXISTING (3) 4"C. WITH 1" LOCATED IN
YER NEC CODE TO INTERCEPT NG POWER PANEL "LP-2B2" LO DR.	EXISTING (1) 4"C. WITH CATED IN STORAGE
YER NEC CODE TO INTERCEPT NG EMERGENCY POWER PANE OM # 123 ON 1ST FLOOR.	EXISTING (1) 2"C. WITH L "ELP-C1" LOCATED IN
NO PARTS OF EXISTING BUILE	ING ARE LEFT WITHOUT
AND WIRING FROM EXISTING E I BOX TO REMAIN TO REFEED E IN ELECTRICAL ROOM #123 ON WER PANEL "ELP-2B1" LOCATE COORDINATE EXACT CONDU WER RISER DIAGRAM ON DRA	EMERGENCY PANEL EXISTING EMERGENCY I FIRST FLOOR AND ED IN STORAGE ROOM # ITS ROUTING IN FIELD. WING # E3.101 FOR
AND WIRING FROM EXISTING M EMAIN TO REFEED EXISTING DI CATED IN ELECTRICAL ROOM # DUITS ROUTING IN FIELD. REFI N DRAWING # E3 101 FOR MOR	IAIN SWITCHBOARD TO STRIBUTION ≇123 ON FIRST FLOOR. ER TO ELECTRICAL FE INFORMATION
ND WIRING FROM EXISTING MAN N TO REFEED EXISTING POWER OM #eB211 ON SECOND FLOOF D. REFER TO ELECTRICAL POW DRE INFORMATION	AIN SWITCHBOARD TO R PANEL "LP-2B2 R. COORDINATE EXACT WER RISER DIAGRAM ON
BOXES PER NEC CODE TO INTE REFEED EXISTING EMERGENC' ENCY POWER PANEL "ELP-2B1" ECTIVE NEW JUNCTION BOXES DIAGRAM ON DRAWING # E3	RCEPT EXISTING Y POWER PANEL "ELP- SPLICE NEW AND REFER TO 101 FOR MORE
BOXES PER NEC CODE TO INTE	
WEFEED EXISTING POWER DIS OWER PANEL "LP-2B2". SPLICE W JUNCTION BOXES. REFER T ING # E3.101 FOR MORE INFOR	NEW AND EXISTING O ELECTRICAL POWER MATION.
SOX PER NEC CODE TO INTERO XISTING POWER PANEL "HVAC JUNCTION BOX. REFER TO ELE 3.101 FOR MORE INFORMATIO	CEP I EXISTING CONDUIT -1". SPLICE NEW AND CTRICAL POWER RISER N.
BOX PER NEC CODE TO INTERC XISTING EMERGENCY POWER	CEPT EXISTING CONDUIT PANEL "ELP-2B1". DX. REFER TO 101 FOR MORE

![](_page_22_Picture_2.jpeg)

STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES

**TECTON ARCHITECTS** ONE HARTFORD SQUARE WEST HARTFORD, CT 06106

CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE

BI-CTC-437

04-27-2015 1/8" = 1'-0" production leader project manager: IP project architect: peer reviewer: drawing no.

E2.101

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	date:
	04-27-2015
IE HARTFORD SQUARE WEST	1"=10'-0"
HARTFORD, CT 06106	production leader
RENOVATIONS - ASNUNTUCK	project manager: IP
NITY TECHNICAL COLLEGE	project architect:
OTDEET	peer reviewer:
CT	drawing no.
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BI-CTC-437	JL1.01

![](_page_25_Figure_0.jpeg)

IGHTING DRAWING NOTES	
K TO REMAIN WITHIN ROOM OR AREA UNLESS	
TING SHUNT RELAY. REFER TO EMERGENCY AWING # E4.101 FOR MORE INFORMATION.	
TING SHUNT RELAY. REFER TO EMERGENCY AWING # E4.101 FOR MORE INFORMATION.	
TING SHUNT RELAY. REFER TO EMERGENCY AWING # E4.101 FOR MORE INFORMATION.	
CIRCUIT HOMERUN SHALL RUN THRU RELAY IN CONTROL RELAY PANEL "LP-A-LC" TO 20A-1P C/B POWER LIGHTING PANEL "LP-1A"	_
ING CIRCUIT HOMERUN SHALL RUN THRU RELAY IN ING CONTROL RELAY PANEL "ELP-A1-LC" TO 20A-1P GENCY POWER LIGHTING INVERTER "ELP-A1".	
TING SHUNT RELAY. REFER TO EMERGENCY AWING # E4.101 FOR MORE INFORMATION.	
AING PHOTOSENSOR SHALL BE MANUFACTURED BY ATION #LUXSTATLS SERIES WITH POWER PACK PTABLE EQUIVALENT. DAY LIGHTING SENSOR LOCATED ALONG GLASS WINDOWS OR WALL FOR TO BE DETERMINED PER MANUFACTURER	
TING RELAY. REFER TO EMERGENCY LIGHTING 4.101 FOR MORE INFORMATION.	
- MOUNTED OCCUPANCY SENSOR FOR GHTING FIXTURES LOCATED IN CORRIDOR # e200C.	-
TED PASSIVE INFRARED OCCUPANCY SENSOR STOPPER #CX-100-1 SERIES OR ACCEPTABLE	
SWITCH WITH (1) PUSH BUTTON. (1) DEDICATED INTROLLING RESPECTIVE NORMAL AND EMERGENCY ANEOUSLY SERVING WITHIN AREA. PROVIDE (1) 'ED SWITCH STATION. COORDINATE EXACT JSH BUTTON WITH OWNER. REFER TO 0943-23 FOR MORE INFORMATION.	(
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(15) PROVIDE NEW THREE WAY SWITCHS. MATCH COVERPLATE WITH EXISTING

### ELECTRICAL LIGHTING GENERAL NOTES

PROVIDE POWER PACK RELAY WITH APPROPRIATE VOLTAGE RATING FOR EACH SWITCHING CIRCUITS CONTROLLED BY OCCUPANCY SENSOR. PROVIDE MULTIPLE POWER PACK RELAYS WITH APPROPRIATE VOLTAGE RATING FOR MULTIPLE SWITCHING CIRCUITS CONTROLLED BY OCCUPANCY SENSOR. PROVIDE MULTIPLE POWER PACK RELAYS FOR MULTIPLE OCCUPANCY SENSORS

PROVIDE SEPARATE POWER PACK RELAY FOR LUMINARIES CONTROLLED BY

COORDINATE FINAL LOCATION, ORIENTATION AND TYPE OF OCCUPANCY

PROVIDE SHOP DRAWING SUBMITTAL WITH LAYOUT OF ALL OCCUPANCY SENSORS ON LIGHTING PLANS PER APPLICATION OF OCCUPANCY SENSOR -SPECIFIED IN SPECIFICATION SECTION 260923 "LIGHTING CONTROL DEVICES". PROVIDE MULTIPLE OCCUPANCY SENSORS FOR PROPER COVERAGE AS INDICATED IN SPECIFICATION SECTION 260923 "LIGHTING CONTROL DEVICES".

TYPE OF CEILING MOUNTED OCCUPANCY SENSORS THAT NEEDS TO BE CONNECTED TO BMS SYSTEM FOR ACTIVATION OF HVAC SYSTEM. COORDINATE WITH DIVISION 23 CONTRACTOR FOR CONNECTION TO BMS SYSTEM.

REFER TO SPECIFICATION SECTION 260519 "LOW VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLE" FOR WIRE AND CONDUIT SIZE REQUIREMENT FOR ALL 20A-1P, 277 VOLT CIRCUITS UNLESS OTHERWISE NOTED ON DRAWINGS. ALL NORMAL POWER LIGHTING CIRCUIT HOMERUNS ON BOTH FLOORS AS FED FROM EXISTING POWER PANEL LP-A ON FIRST FLOOR ELECTRICAL LIGHTING CONSTRUCTION PLAN DRAWING # EL2.201 SHALL BE FED FROM NEW NORMAL

NORMAL POWER LIGHTING CONTROL RELAY PANEL "LP-A-LC" AS SHOWN ON FIRST FLOOR ELECTRICAL LIGHTING CONSTRUCTION PLAN DRAWING # EL2.201 SHALL BE FED TO 20A-1P C/B LOCATED IN NEW NORMAL POWER LIGHTING PANEL

![](_page_25_Picture_12.jpeg)

## STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES

# **TECTON ARCHITECTS** ONE HARTFORD SQUARE WEST HARTFORD, CT 06106

CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE

BI-CTC-437

1/8" = 1'-0" production leader project manager: IP project architect: peer reviewer: drawing no.

04-27-2015

scale

EL2.202

![](_page_26_Figure_0.jpeg)

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		GYM e157C															6	GYM 9157D		e
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	TING SPI BRANCH DINT & C/	RINKLER N PIPING AN AP	/AIN AND ID HEADS				1	┠╴												
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![](_page_26_Picture_3.jpeg)

# FIRE PROTECTION DEMOLITION NOTES

1 REMOVE ALL EXISTING SPRINKLER HEADS AND BRANCH PIPING IN THIS AREA.

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![](_page_26_Picture_8.jpeg)

### STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES

# TECTON ARCHITECTS ONE HARTFORD SQUARE WEST HARTFORD, CT 06106

CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE

BI-CTC-437

date: 04-27-2015 scale 1/8" = 1'-0" production leader project manager: IP project architect: peer reviewer: drawing no.

FP2.101

![](_page_27_Figure_0.jpeg)

		e25 e26	6 e28	e30 e31	e33 e34 e36	e38 e40 e42
						REF TEM WIT PHA
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![](_page_27_Figure_2.jpeg)

![](_page_27_Picture_3.jpeg)

BI-CTC-437	FP2.102
IE HARTFORD SQUARE WEST HARTFORD, CT 06106 RENOVATIONS - ASNUNTUCK NITY TECHNICAL COLLEGE STREET , CT	1/8" = 1'-0"         production leader         project manager:         IP         project architect:         peer reviewer:         drawing no.
TE OF CONNECTICUT	date: 04-27-2015 scale
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		[									
					CABINET U	NIT HEATER	R SCHEDU	JLE - ELECT	RIC		
		TAG	MFR	MODEL	ARRANGEN	IENT MBH	ĸw	NUMBER OF		F	AN
			OMARK	CU045		> 27.2	0	2	490	CFM H	<b>HP RPM</b>
A		LCOIPA	QIVIAIN	00940	GLILING	21.5	0	2	400	400	170 1000
					UNIT H	EATER SCH	EDULE -	HOT WATER			
		TAG	VOLTS /		MFR		MODEL	NO.		ARRANGEMI	ENT
-		UH-1	120/1	RI	ITTLING		RH-18			HORIZONT	AL.
		TAG	MBH	EWT (°F)	LWT (°F)	GPM	RUNOU	T WPD		FAN	
		UH-1	13	180	150	13	SIZE (IN 3/4"	(FI) 0.49	<b>CFM</b> 400	<b>MOTOR H</b>	P RPM 1550
В			10	100	100	1.0	0/1	0.10	100	1,00	1000
					RADIA	TOR SCHE	DULE - HO	T WATER			
		TAG	MFR	MODEL	LENGTH	TUBE / FIN			TIONS	E.W.T.	L.W.T.
		R-1	RUNTAL	NO. R2F-3	(F1) 4	STEEL	N/A	SAME	END	180	150
_		R-2	RUNTAL	R2F-3	4	STEEL	N/A	SAME	END	180	150
		R-3A R-3B	RUNTAL	R2F-3 R2F-3	13	STEEL	N/A N/A	OPPOSITE E OPPOSITE E	ND, SERIES ND, SERIES	180 180	150 150
		R-3C	RUNTAL	R2F-3	3	STEEL	N/A	SAME END	, SERIES	180	150
		R-4 R-5	RUNTAL	R2F-3	24	STEEL	N/A	OPPOSI OPPOSI	TE END	180	150
C		R-6 R-7A	RUNTAL	R2F-3 R2F-3	4	STEEL	N/A	SAME OPPOSITE E	END ND SERIES	180 180	150 150
C		R-7B	RUNTAL	R2F-3	5	STEEL	N/A	SAME END	, SERIES	180	150
		R-8A R-8B	RUNTAL	R2F-3	10	STEEL	N/A N/A	OPPOSITE E	ND, SERIES	180 180	150 150
		R-8C	RUNTAL	R2F-3	12	STEEL	N/A	SAME END	, SERIES	180	150
			BTU		ENCL.	MOUNTING		PIPF RI	INOUT		
_			PERLF	GPM	HEIGHT	HEIGHT		SIZE	(IN)	REM	
		к-1 R-2	1185	0.50	8.6"		IT 1.6"	3/4	· 		
		R-3A	1185	0.75	8.6"		IT 1.6"	3/4		PEDESTA	
		к-зв R-3C	1185	0.25	o.o 8.6"		IT 1.6"	3/2		PEDESTA	
D		R-4	1185	2.00	8.6"	FLOOR MOUN	IT 1.6"	3/4	."	PEDESTA	
		R-5 R-6	1185	2.00 0.50	8.6" 8.6"	FLOOR MOUN	II 1.6" IT 1.6"	3/2		PEDESTA PEDESTA	
		R-7A	1185	0.50	8.6"	FLOOR MOUN	IT 1.6"	3/4	."	PEDESTA	L MOUNT
		R-7B R-8A	1185	0.50	8.6" 8.6"	FLOOR MOUN	IT 1.6" IT 1.6"	3/2	," ,"	PEDESTA PEDESTA	
		R-8B	1185	0.50	8.6"	FLOOR MOUN	IT 1.6"	3/4	."	PEDESTA	L MOUNT
-		R-8C	1185	1.00	8.6"	FLOOR MOUN	IT 1.6"	3/4		PEDESTA	L MOUNT
		NOTES:									
		2.	SEE FLAT PLAT	TE RADIATOF	R DETAIL DRAV	VINGS AND SP	ECIFICATIO	NS			
		3.		MENSIONS AN					ARCHITECT. F	PROVIDE ADJU	STMENTS
			TO LENGTHS F	OR AESTHET	FICS PER DIRE		HITECT.				
E		4.	PROVIDE END	AND CORNE	R TRIM FOR C	OMPLETE FINIS	SHED INSTA	LLATION.			
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TAC	017E			HEAT	ING COIL PERFOR	IANCE	
IAG	SIZE		NOM. CFM	ROWS	LAT	GPM	PIPE SIZE
Α	06	0-400	300	2	90	1	3/4"
A1	06	0-400	NONE	NONE	NONE	NONE	NONE
В	08	401-800	600	2	90	2	3/4"
B1	08	401-800	NONE	NONE	NONE	NONE	NONE
С	10	801-1200	900	2	90	3	3/4"
C1	10	801-1200	NONE	NONE	NONE	NONE	NONE
D	12	1201-1700	1275	2	90	4	1"
D1	12	1201-1700	NONE	NONE	NONE	NONE	NONE
E	14	1701-2300	1725	2	90	6	1"
E1	14	1701-2300	NONE	NONE	NONE	NONE	NONE
F	16	2301-3100	2325	2	90	8	1-1/4"
F1	16	2301-3100	NONE	NONE	NONE	NONE	NONE
NERAL NO	DTES: JNITS ARE BASED	ON ENVIRO-TEC	·				

HEATING COIL PERFORMANCE BASED ON NOMINAL CFM LISTED IN THE SCHEDULE @ 50° DEGREE F. ENTERING TEMPERATURE,

180° DEGREE F. ENTERING WATER TRMPERATURE, 150° DEGREE F. LEAVING WATER TEMPERATURE

PERFORMANCE DATA TAG

	7		,
MAXIMUM COOLING CFM		Λ	
MINIMUM COOLING CFM		A	
HEATING CFM			

			GRILLE	AND DIFFUSE	ER SCHEDUI	_E					
CEILIN	G SUPPLY DI	FFUSER	DUCTED CEI	LING RETURN ST GRILLE	NON-DUCT RETURN GR	ED CEILING / EXHAUST ILLE	FLEXIBLE DUCT SIZE				
CFM	SQUARE NECK SIZE	ROUND NECK SIZE	CFM NECK SIZE		CFM NECK SIZE		CFM	SIZI			
0-100	6 x 6	6"Ø	0-150	6 x 6	0-350	12 x 12	0-100	6"Ø			
101-250	9 x 9	8"Ø	151-350		351-1200	22 x 22	101-250	8"Ø			
251-400	12 x 12	10"Ø	351-650				251-400	10"¢			
401-600	15 x 15	12"Ø	651-1000				401-600	12"0			
601-800	18 x 18	14"Ø					601-800	14"6			
			1								
TYPE	MO	DEL			DESC						
A1	TDC		SQUARE LOUVER FACE CEILING SUPPLY DIFFUSER WITH REMOVABLE CORE, LAY-IN, 1-W THROW. TRANSITIONAL ADAPTER.								
A2	TDC		SQUARE LOUV	SQUARE LOUVER FACE CEILING SUPPLY DIFFUSER WITH REMOVABLE CORE, LAY-IN, 2-W CORNER THROW. TRANSITIONAL ADAPTER.							
A3	TDC		SQUARE LOUV	ER FACE CEILING SITIONAL ADAPT	G SUPPLY DIFFL ER.	JSER WITH REMO	OVABLE CORE, LA	AY-IN, 3-W			
A4	TDC		SQUARE LOUVER FACE CEILING SUPPLY DIFFUSER WITH REMOVABLE CORE, LAY-IN, 4-W THROW. TRANSITIONAL ADAPTER.								
A5	Т	00	SQUARE LOUVER FACE CEILING SUPPLY DIFFUSER WITH REMOVABLE CORE, LAY-IN, 2-W OPPOSITE THROW. TRANSITIONAL ADAPTER.								
В	355	5 RL	LOUVER TYPE CEILING/WALL RETURN OR EXHAUST GRILLE, 35° FIXED DEFLECTION, 1/2" SPACING WITH BLADES PARALLEL TO THE LONG DIMENSION.								
E	300	DRS	WALL SUPPLY GRILLE, DOUBLE DEFLECTION WITH ADJUSTABLE VERTICAL FRONT BLADI 3/4" BLADE SPACING. SIZES INDICATED ON PLANS.								
F	S300FL		EXTRUDED ALUMINIUM SPIRAL DUCT-MOUNTED SUPPLY GRILLE, DOUBLE DEFLECTION WITH INDIVIDUALLY ADJUSTABLE BLADES, 3/4" BLADE SPACING, 10" WIDTH, 18" LENGTH UNLESS INDICATED OTHERWISE ON PLANS.								
G	JNA (F	PRICE)	ALUMINUM SWIVEL JET THROW DIFFUSER, SIZE 21 UNLESS INDICATED OTHERWISE ON PLANS.								
Н	FL-10		FLOWBAR JET THROW LINEAR SLOT DIFFUSER, 1 SLOT, EXTRUDED ALUMINUM, 4'-0" SLO LENGTH AND 3" SLOT WIDTH UNLESS INDICATED OTHERWISE ON PLANS. PROVIDE 24 GAUGE INSULATED PLENUM. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR REQUIRED MOUNTING ARRANGEMENTS AND PROVIDE ALL NECESSARY MATERIAL AND ACCESSORIES SUITABLE FOR A COMPLETE APPLICATION.								
J	30	1RL	WALL SUPPLY GRILLE, SINGLE DEFLECTION WITH ADJUSTABLE BLADES PARALLEL TO TH LONG DIMENSION, 3/4" BLADE SPACING. 8" WIDTH, 30" LENGTH UNLESS INDICATED OTHERWISE ON PLANS.								

				FAN S	FAN SCHEDULE					
TAG	MFR	MODEL	TYPE	DRIVE	CFM	ESP (IN WC)	MOTOR RPM	MOTOR BHP	MOTOR HP	1
EF-1	COOK	120C17DEC	DOWNBLAST	DIRECT	1250	0.75	1725	0.388	0.5	
EF-2	COOK	80CPVD-EC	VENT SET	DIRECT	500	0.5	1725	0.157	0.25	
NOTES:										

1. PROVIDE TENV-EC MOTOR ENCLOSURE FOR EF-2

				PUMP S	<b>CHEDULE</b>		
TAG	M	FR	TYPE	SERIES / SIZE MODEL NO.		MINIMUM EFFICIENCY	GPM
HWP-1	BELL & G	GOSSETT	IN-LINE	، 90 کم	1-1/2A	43%	20
HWP-2	BELL & G	GOSSETT	IN-LINE	> 90 -	1-1/2A	✓ 43%	20 5
FPP-1	BELL & G	GOSSETT	IN-LINE	( E-90	) 1AAB	54%	20
	-		I I_	ų			
TAG	RPM	MOTOR HP	VOLTS/ PHASE	VFC	SER	VES	OPERATION
HWP-1	1725		480/3	YES	HWS&R	TO AHU-1	RUN
HWP-2	1725	1	480(3	YES	HWS&R	TO AHU-1	STAND-BY
FPP-1 (	1725	1/4	120/1	) NO	HWS&R	TO AHU-1	FREEZE PROTEC

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AIR TERMINAL UNIT TAG

ID TYPE

### FLEXIBLE DUCT SIZES TO SUPPLY DIFFUSERS CFM SIZE 0-100 101-250 251-400 6"Ø 8"Ø 10"Ø 401-600 12"Ø 601-800 14"Ø ABLE CORE, LAY-IN, 1-WAY

ABLE CORE, LAY-IN, 2-WAY ABLE CORE, LAY-IN, 3-WAY ABLE CORE, LAY-IN, 4-WAY ABLE CORE, LAY-IN, 2-WAY FIXED DEFLECTION, 1/2" VERTICAL FRONT BLADES, , DOUBLE DEFLECTION 10" WIDTH, 18" LENGTH CATED OTHERWISE ON DED ALUMINUM, 4'-0" SLOT N PLANS. PROVIDE 24 AL DRAWINGS FOR

BLADES PARALLEL TO THE NLESS INDICATED

OLTS / HASE	ECM	SERVES
20/1	YES	GEN EXH
20/1	YES	STAIR TWR

![](_page_28_Figure_29.jpeg)

				All	R HANDLIN	G UNIT SC	HEDULE					
TAG	MFR	MODEL NO.		TYPE		MIN. O.A.	AREA	SERVED	AHU M	AHU MODULE ARRANGEMENT		
AHU-1	TRANE	CSAA	PERFORMA	NCE CLIMATE	CHANGER	4500	ENTRANCI	E ADDITION	REFER TO DETAIL			
			•		SU	PPLY FAN						
TAG	CFM	TSP (IN WG)	DRIVE	TYPE	QTY	SIZE	CLASS	VOLTS/ PHASE	FAN RPM	MOTOR QTY	MOTOR HP	VFC
AHU-1	15,000	4.3	DIRECT	PLENUM	2	22.25"	II	460/3	1756	2	8	YES
					RE	TURN FAN						
TAG	CFM	TSP (IN WG)	DRIVE	TYPE	FAN QTY	SIZE	CLASS	VOLTS/ PHASE	FAN RPM	MOTOR QTY	MOTOR HP	VFC
AHU-1	15,000	2.1	DIRECT	PLENUM	2	22.25"	I	460/3	1464	2	5.5	YES
					HOT	NATER COIL						
TAG	EAT (°F)	LAT (°F)	TOTAL MBH	EWT (°F)	LWT (°F)	GPM	PIPE RUNOUT SIZE (IN)	COIL FACE VELOCITY (FPM)	MAXIMUM WPD (FT)		ROWS	
AHU-1	49	65	300	180	150	20	2	460	3.9		1	
	- MM	Jun						1				
TAG	EAT DB / WB (°F)	LAT DB / WB (°F)	TOTAL MBH	SENSIBLE MBH	REFRIG TYPE	SUCTION TEMP (°F)	NUMBER OF CIRCUITS	COIL FACE VELOCITY (FPM)	DRAIN		ROWS	
AHU-1	80.0/67.0	55.0/53.8	606.7	411.4	R-410A	45.0	2	429	YES		4	
					COND	ENSING UNIT	Ē					
TAG	MFR	VOLTS/ PHASE	MOI	DEL	AMBIENT TEMP (°F)	CAPACIT	TY (TONS)	IEER	МСА		SERVES	
CU-1	TRANE	460/3	TTA3	00F4	95	2	25	11	51.6		AHU-1	
CU-2	TRANE	460/3	TTA3	00F5	95	2	25	11	51.6		AHU-1	

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NOTES:

1. HEATING CAPACITIES BASED UPON DESIGN HEATING CFM AND MINIMUM OUTDOOR AIR CFM, 0°F OA (WINTER) HEATED TO 60°F

2. COOLING CAPACITIES BASED UPON DESIGN COOLING CFM AND MINIMUM OUTDOOR AIR CFM, 91°F DB / 73°F WB O.A., 75°F DB, 50% RH RA 3. AHU SHALL BE PREWIRED FOR SINGLE POINT POWER CONNECTION, INCLUDING FAN CIRCUITRY AND SEPARATE 120V LIGHT/RECEPTACLE CIRCUIT SHALL BE PROVIDED.

4. PROVIDE STAINLESS STEEL DRAIN PAN

![](_page_28_Figure_35.jpeg)

![](_page_28_Picture_36.jpeg)

![](_page_29_Figure_0.jpeg)

	DEMOLITION NOT
1	REMOVE EXISTING ROOF DRAIN AND ASSOCIA (RWL)
2	REMOVE EXSITING ROOF DRAIN
3	REMOVE EXISTING ROOF TOP UNIT (RTU) AND PIPING, CONDUITS, AND WIRING BACK TO THE ACCESSORIES.
4	REMOVE EXISTING MAKE-UP AIR UNIT (MAU) A DUCTWORK, PIPING, CONDUITS AND WIRING I CONTROLS AND ACCESSORIES.
5	REMOVE EXISTING 4" VENT THRU ROOF.
6	REMOVE EXISTING EXHAUST FAN AND ALL AS CONDUITS AND WIRING BACK TO THE SOURC ACCESSORIES.
7	REMOVE EXISTING ROOF TOP UNIT (RTU) AND AS SHOWN ON H2.202. CUT AND CAP ALL ASS AND ACCESSORIES.
8	REMOVE EXISTING CONDENSING UNIT (CU) AI DUCTWORK, PIPING, CONDUITS AND WIRING I CONTROLS AND ACCESSORIES.

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GENERAL NC PROVIDE SU SPECIFICATI ITEM SPECIALTY I "WHA" WATER HAMMER ARRESTORS	PLUMBING WATER SPECIALTIES SCHEDULE         TE:       PPORTS, FITTINGS, ADAPTERS, ETC. AS NECESSARY TO MAKE FINAL CONNECTION. R         DN FOR MISCELLANEOUS WATER SPECIALTIES AND FOR WATER SPECIALTIES EQUIV.         IEM       DESCRIPTION         SIOUX CHIEF "HYDRA-RESTER" SEAMLESS PRESSURE CHAMBER. SPUN CLOSED COPPER TUBE PERMANENTLY SEALS A 60 PSIG. SHALL CONFORM TO ASME/ANSI STANDARDS AND PDI CERTIFIED. INSTALL PER FACTORY RECOMMENDATION. LIFETIME WARRANTY         WATTS #909QT-S, REDUCED PRESSURE BACKFLOW PREVENTER, ALL BRO	EFER TO ALENTS.           REMARKS           Image: A state of the stat
GENERAL NC PROVIDE SU SPECIFICATI <u>ITEM</u> <u>SPECIALTY I</u> "WHA" WATER HAMMER ARRESTORS	TE: PPORTS, FITTINGS, ADAPTERS, ETC. AS NECESSARY TO MAKE FINAL CONNECTION. R ON FOR MISCELLANEOUS WATER SPECIALTIES AND FOR WATER SPECIALTIES EQUIV. <u>TEM</u> <u>DESCRIPTION</u> SIOUX CHIEF "HYDRA-RESTER" SEAMLESS PRESSURE CHAMBER. SPUN CLOSED COPPER TUBE PERMANENTLY SEALS A 60 PSIG. SHALL CONFORM TO ASME/ANSI STANDARDS AND PDI CERTIFIED. INSTALL PER FACTORY RECOMMENDATION. LIFETIME WARRANTY WATTS #909QT-S, REDUCED PRESSURE BACKFLOW PREVENTER, ALL BRO	ALENTS.       REMARKS       M   PROVIDE AT QUICK CLOSING VALVES
ITEM SPECIALTY "WHA" WATER HAMMER ARRESTORS	TEM         DESCRIPTION           SIOUX CHIEF "HYDRA-RESTER" SEAMLESS PRESSURE CHAMBER. SPUN CLOSED COPPER TUBE PERMANENTLY SEALS A 60 PSIG. SHALL CONFORM TO ASME/ANSI STANDARDS AND PDI CERTIFIED. INSTALL PER FACTORY RECOMMENDATION. LIFETIME WARRANTY           WATTS #909QT-S, REDUCED PRESSURE BACKFLOW PREVENTER, ALL BRO	REMARKS PROVIDE AT QUICK CLOSING VALVES
"WHA" WATER HAMMER ARRESTORS	SI0UX CHIEF "HYDRA-RESTER" SEAMLESS PRESSURE CHAMBER. SPUN CLOSED COPPER TUBE PERMANENTLY SEALS A 60 PSIG. SHALL CONFORM TO ASME/ANSI STANDARDS AND PDI CERTIFIED. INSTALL PER FACTORY RECOMMENDATION. LIFETIME WARRANTY WATTS #909QT-S, REDUCED PRESSURE BACKFLOW PREVENTER, ALL BRO	A PROVIDE AT QUICK CLOSING VALVES
	WATTS #909QT-S, REDUCED PRESSURE BACKFLOW PREVENTER, ALL BRO	
"RPZ" BACKFLOW PREVENTER (KITCHEN EQ)	JIP)	NZE BODY FIXED AIR GAP. USE REQUIRED BY KITCHEN SETUP COORDINATION
"PRV" PRESSURE REDUCING V/ (KITCHEN EQ	WATTS #S223-B-S, BRONZE BODY CONSTRUCTION, BUILT-IN BY-PASS, STR STAINLESS STEEL SCREEN, SENSITIVE ADJUSTMENT SPRING. PROVIDE 16 ISOLATION VALVES ON BOTH SIDES OF THE VALVE.	AINER WITH 0 LB. GAUGE AND COORDINATION
"WH" WALL HYDRA (RECESSED)	J.R. SMITH #5509QT-NB, NICKEL BRONZE BOX, BRONZE NICKEL PLATED NC QUARTER TURN WALL HYDRANT WITH INTEGRAL VACUUM BREAKER, 3/4"H CONNECTION AND "T" HANDLE KEY.	DNFREEZE SEE ARCHITECTURAL IOSE PLANS FOR WALL THICKNESS
"HB" HOSE BIBB	WOODFORD #24P, CHROME FINISHED CONSTRUCTION WALL FAUCET WITH BREAKER - BACKFLOW PREVENTER, 3/4"HOSE CONNECTION AND WHEEL H	HVACUUM HANDLE.
"TMV-1" TEMPERATUF MIXING VALV	E SYMMONS "MAX LINE" #7-225-CK-MS, THERMOSTATIC MIXING VALVE W/ 1/2 CONNECTIONS AND CHECKS ON INLETS.	" NPT USE AT ALL LAVATORIES AND LOUNGE SINKS
"TP-1" TRAP PRIMEF (FLOW ACTIV	ATED) PPP, INC., PRO1-500 "PRIME-PRO" TRAP PRIMER VALVE, MOUNT ABOVE CEILING ON 1/2" COLD WATER SUPPLY LINE TO FIXTURE.	
	PLUMBING DRAINAGE SPECIALTIES SCHEDULE	
GENERAL NOTE: PROVIDE SUPPOF SPECIFICATION F	TS, TRAPS, ADAPTERS, ETC. AND NECESSARY FITTINGS TO MAKE FINAL CONNECTIO DR MISCELLANEOUS DRAINAGE SPECIALTIES AND FOR DRAINAGE SPECIALTIES ITEM	N. REFER TO S EQUIVALENTS.
ITEM SPECIALTY	TEM DESCRIPTION	<u>REMARKS</u>
WALL CLEANOUT (R	OUND) J.R. SMITH #4720-U, CHROME-PLATED BRONZE ROUND FRAME AND SECURED COVER. VANDAL PROOF SCREWS.	
FLOOR (CO)	OUND) J.R. SMITH #4032L-U, CAST IRON CLEANOUT, WITH ROUND ADJUSTABLE NICKEL-BRONZE TOP AND BRONZE PLUG. VANDAL PROOF TOP.	PROVIDE "Y" CARPET MARKER FOR CARPETED AREAS
"RD" ROOF DRAIN REPLACEMEN FOR EXISTING	J.R. SMITH #1310Y-R-C-CID, CAST IRON BODY ROOF DRAIN WITH COMBINA T FLASHING CLAMP AND GRAVEL STOP, CAST IRON DOME, SUMP RECEIVER DECK CLAMP.	TION EXISTING ROOF AND UNDER AREAS BEING REPLACED WITH NEW ROOFING
"RD1" COMBINATION ROOF DRAIN (BI-FUNCTION	J.R. SMITH #SQ-1-4007Y-C-R, CAST IRON BODY WITH SIDE OUTLET DRAIN CONNECTION AND BOTTOM OUTLET OVERFLOW CONNECTION WITH AL) STANDPIPE, COMBINED FLASHING CLAMP AND GRAVEL STOP, CAST IRON DOME, UNDERDECK CLAMP AND SUMP RECEIVER.	H
"FD1" FLOOR DRAIN	J.R. SMITH #2005Y-A-U, CAST IRON BODY WITH FLASHING COLLAR, 6"DIA. R NICKEL-BRONZE ADJUSTABLE STRAINER. VANDAL PROOF SCREWS. INSTA #TG3H TRAP GUARD	OUND FINISHED FLOOR LL W/ PROSET AREAS
"FD2" FLOOR DRAIN	J.R. SMITH #2131Y-U-P, CAST IRON DEEP BODY, AND FLASHING COLLAR 12 BAR GRATE. VANDAL PROOF SCREWS. INSTALL W/ PROSET #TG3H TRAP G	2" DIA. CAST IRON LOCATED IN MECH. GUARD ROOMS.
"FS1" FLOOR SINK	J.R. SMITH #3150-13-U, 8"DEEP CAST IRON FLANGED RECEPTOR W/ACID R COATED INTERIOR AND 12 1/2"SQ. NICKEL BRONZE RIM AND 3/4 SECURED DOME BOTTOM STRAINER, VANDAL PROOF SCREWS.	ESISTANT GRATE, LOCATED IN KITCHEN
"FD-F" FLOOR DRAIN FUNNEL	W/ SAME AS FD1 EXCEPT WITH J.R. SMITH <u>#3581</u> STRAINER MOUNTED FUNNE 6" DIA X 2 -1/2" DIA X 4-1/4" HIGH.	L. LOCATED IN KITCHEN

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					<u>PLL</u>	JMBING FI	XTURES SCHEDULE	
GENE PIPE 17-G/ CONI NOTE LAVA WITH MOU	ERAL NOTES: SIZES SHOWN ARE F AUGE SEMI-CAST "P" NECTION. REFER TO E: REFER TO ARCHITE TORIES AND OFFSET ARCHITECTURAL DF NTING HEIGHTS FOR	FOR SUF TRAPS SPECIFI ECTURA F DRAIN RAWING CHILDR	PPLY ANI WITH CL CATION L DRAW LOCATI S. INSTA	D DRAIN EANOU FOR EC INGS FO ONS. OF ALL HAN ADULT	IAGE ON T PLUG QUIVALE OR MOU FSET D DICAPP FIXTUR	NLY. PROVIDE , PLUMBING F :NTS. NTING ELEVA RAINS SHALL ED FIXTURES ES WITH ARC	E SUPPLIES WITH SCREWDRIVER STOPS, WALL ESCUTCHEC FIXTURE SUPPORTS AND NECESSARY FITTINGS TO MAKE FI ATION OF PLUMBING FIXTURES, CLEARANCE BELOW SINKS / BE OFFSET LEFT REAR OR OFFSET RIGHT REAR. COORDIN PER STATE OF CT HANDICAPPED REQUIREMENTS. COORD CHITECTURAL DRAWINGS.	N, NAL AND IATE INATE
<u>TYPE</u>	FIXTURE	<u>SOIL</u>	VENT		HOT	MOUNT	DESCRIPTION	REMARKS
"A"	WATER CLOSET	4"	2"	1"		WALL	AMERICAN STANDARD "AFWALL" #2257.001. ELONGATED BOWL, TOP SPUD, 1.28 GPF TO 1.6 GPF SLOAN "ROYAL" #111-1.28-YO-5G FLUSH VALVE. OLSONITE #95 WHITE OPEN FRONT SEAT.	PROVIDE WITH FLOOR MOUNTED SUPPORT CARRIER
"A1"	WATER CLOSET	4"	2"	1"		WALL	AMERICAN STANDARD "AFWALL" #2257.001. ELONGATED BOWL, TOP SPUD, 1.28 GPF to 1.6 GPF. SLOAN "ROYAL" #111-1.28-YO-5G FLUSH VALVE. OLSONITE #95 WHITE OPEN FRONT SEAT.	MOUNT FLUSH VALVE HANDLE, PER A.D.A. /ANSI STANDARD. PROVIDE WITH FLOOR MOUNTED SUPPORT CARRIER
"B"	URINAL	2"	1 1/2"	3/4"		WALL	AMERICAN STANDARD "WASHBROOK" #6590.001 ELONGATED RIM, 3/4" TOP SPUD, SIPHON JET ACTION 0.125 GPF. } SLOAN "ROYAL" #186-0.125-5G.	MOUNT FLUSH VALVE HANDLE, PER A.D.A. /ANSI STANDARD
"C"		1 1/2"	1 1/2"	1/2"	1/2"	COUNTER	AMERICAN STANDARD "AQUALYN #0476.028, VITREOUS CHINA, (4") CENTERS DROP IN SINK. CHICAGO FAUCETS #3300-ABCP. METERING MIXING FAUCET, VANDAL RESISTANT HANDLE, 0.5 GPM. INSTALL PER STATE OF CT AND 2010 ADAAG REQUIREMENTS.	PROVIDE TRUEBRO "SOFT-GUARD PLUS INSULATION KIT AND TEMPERATURE MIXING VALVE (TMV-1).
"D"	SINGLE BOWL SINK (GENERAL USE)	1 1/2"	1 1/2"	1/2"	1/2"	COUNTER	ELKAY "LUSTERTONE" #LRAD-2521-3-5.5, 18 GAUGE, TYPE 302 STAINLESS STEEL SINK, SATIN FINISH, SELF RIMMING, SOUND DEADENED, (3) FAUCET HOLES, 25"X21"x5.5" DEEP BOWL OFF-CENTERED REAR DRAIN. #LKAD-35 STRAINER AND OFFSET TAILPIECE. ELKAY #LK-4000 DECK MOUNTED SINGLE LEVER FAUCET WITH PULLOUT SPRAY AND 3 HOLE ESCAPE PLATE. INSTALL PER STATE OF CT AND 2010 ADAAG REQUIREMENTS. PROVIDE WITH INSULATION KIT FOR PIPING BELOW SINK.	PROVIDE TRUEBRO "SOFT-GUARD PLUS" INSULATION KIT LOCATED IN STAFF LOUNGE #207
"J"	JANITOR MOP SINK	3"	1 1/2"	1/2"	1/2"	FLOOR	FIAT "MOLDED-STONE" #MSB-3624, 24"x36"x10"DEEP MOP SERVICE BASIN WITH THE FOLLOWING OPTIONS: #E-77AA-36 BUMPER GUARDS, #889CC MOP HANGER, # 832AA HOSE & BRACKET #830AA WALL FAUCET WITH VACUUM BREAKER, #MSG3624 S.S. WALL GUARD	
"EEW-1"	EMERGENCY EYEWASH	-	-	1/2"	1/2"	WALL	GUARDIAN #G5046BP, EYEWASH, FRENCH HOSE UNIT, WITH WALL MOUNTING BRACKET, 12' HOSE, BACK FLOW PREVENTER AND #G3600LF MIXING VALVE	
GENI					<u>DR</u>	INKING FO	DUNTAIN SCHEDULE	
PIPE	SIZES SHOWN ARE F URE SUPPORTS AND	FOR SUF	PPLY AN SARY FI	ID DRAIN TTINGS	NAGE OI TO MAK	nly. Provide E final con	E SUPPLIES WITH STOPS, SEMI-CAST "P" TRAPS, PLUMBING NECTION. REFER TO SPECIFICATION FOR EQUIVALENTS.	
TYPE	FIXTURE	SOIL	VENT	COLD	HOT	MOUNT		REMARKS
"EWC"	WATER COOLER BI-LEVEL W/ BOTTLE FILLING STATION	1 1/2"	1 1/2"	1/2"		WALL PER ANSI/ADA STANDARD	ELKAY #LZSTL8WS, BI-LEVEL WATER COOLER WITH BOTTLE FILLING STATION, NO LEAD DESIGN. MINIMUM 40 PSI SUPPLY LINE PRESSURE REQUIRED. STAINLESS STEEL BASIN, FLEXI-GUARD ANTI-MICROBIAL SAFETY BUBBLER STREAM HEIGHT REGULATOR. PUSH BAR SHALL BE MOUNTED FRONT AND SIDES IN COMPLIANCE WITH ADA/ANSI REQUIREMENTS. RATED CAPACITY FOR 8 GPH OF 50F DRINKING WATER. 4.0 A, 120 V	REFER TO POWER PLANS FOR CIRCUITING ARRANGEMENTS CABINET COLOR BY THE ARCHITECT
		-NT				ELECTRI		DEMADKS
	<u>בעטורווונ</u>   							
	(TOILET ROOMS)			WOF 3.0 K	RKING P	RESSURE. RA	ATED AT 3.0 KW, . HEATER SHALL BE EQUIPPED WITH (1) S, 460V-3 PHASE. WATER HEATER SHALL INCLUDE,	CLOSET #112.1

	ELECTRIC WATERS HEATER SCHEDULE										
<u>TYPE</u>	EQUIPMENT	DESCRIPTION	<u>REMARKS</u>								
"EWH-1"	ELECTRIC WATER HEATER (TOILET ROOMS)	HUBBELL #E10-3-0-SL-RS, 10 GALLON HYDRASTONE CEMENT LINED TANK, 150 PSI WORKING PRESSURE. RATED AT 3.0 KW, . HEATER SHALL BE EQUIPPED WITH (1) 3.0 KW LOWER ELEMENTS, 460V-3 PHASE. WATER HEATER SHALL INCLUDE, THERMOSTAT, HIGH LIMIT-TEMPERATURE CUTOFF, T&P RELIEF VALVE, DRAIN VALVE, INSULATION, OUTER JACKET. HEATER SHALL COMPLY WITH ASHRAE STANDARDS. UL LISTED. 5 YEAR WARRANTY.	LOCATED IN JANITOR CLOSET #112.1								
"EWH-2"	ELECTRIC WATER HEATER (KITCHEN)	HUBBELL #SE 120-0-18 SL T4, 120 GALLON HYDRASTONE CEMENT LINED TANK, 150 PSI WORKING PRESSURE. RATED FOR 18.0 KW WITH 74 GPH RECOVERY RATE AT 100°F TEMPERATURE RISER, 22 AMPS AT 460 VOLT 3-PHASE 60 Hz. WATER HEATER SHALL INCLUDE THE FOLLOWING: THERMOSTAT, HIGH LIMIT TEMPERATURE CUT- OFF, T&P RELIEF VALVE, DRAIN VALVE, INSULATION & OUTER JACKET. HEATER SHALL COMPLY WITH ASHRAE STANDARDS, SHALL BE U.L. LISTED & SHALL CARRY A (5) FIVE YEAR WARRANTY.	LOCATED IN MECHANICAL ROOM #207.1								

	GREASE INTERCEPTOR SCHEDULE									
<u>TYPE</u>	EQUIPMENT	DESCRIPTION	<u>REMARKS</u>							
"AGRU-1"	AUTOMATIC GREASE REMOVAL UNIT	HIGHLAND TANK MODEL #AGI-35 "GREASE STOPPER" AUTOMATIC GREASE INTERCEPTOR. UNIT SHALL BE RATED FOR 35 GPM WITH A STATIC WATER CAPACITY OF 44 GALLONS & A 235 LBS. GREASE HOLDING CAPACITY, 3" INLET & 3" OUTLET, INTERNAL FLOW CONTROL, REMOVABLE S.S. SCREEN BASKETS FOR SOLIDS SEPARATION, ELECT. POWERED, DIRECT DRIVE GREASE SKIMMER, VAPOR-TIGHT LID WITH GASKETS, 5 GALLON GREASE CONTAINER. 115 VOLT-1 PHASE-60 Hz.	LOCATED IN FOOD PREP #115							

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STATE OF CONNECTICUT								
DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES								
drawing prepared by:	date:							
TECTON ARCHITECTS	04-27-2015							
	SCAIE							
ONE HARTFORD SQUARE WEST	n. r. S.							
HARTFORD, CT 06106	production leader							
project:	project manager:							
CAMPUS RENOVATIONS - ASNUNTUCK	IP							
COMMUNITY TECHNICAL COLLEGE	project architect:							
	peer reviewer:							
170 ELM STREET								
ENFIELD, CT	drawing no.							
project number:								
BI-CTC-437	P0 301							

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	TECHNOLOGY GENERAL NOTES		MEPT ABBREVIATIONS		MEPT ABBREVIATIONS
	GENERAL 1. THE PROJECT DRAWINGS AND SPECIFICATIONS ARE BASED ON THE CONSTRUCTION SPECIFICATIONS	A	GENERAL SERVICE COMPRESSED AIR	F	FAHRENHEIT FIRE ALARM
	INSTITUTE (CSI) DOCUMENTATION FORMAT. SPECIFICATION AND DRAWING CONTENTS ARE ARRANGED BY TOPIC AND CATEGORY AND ARE NOT INTENDED TO AWARD DIVISION OF WORK. THE INTENT OF THESE DOCUMENTS IS FOR THE MED TRADES TO FURNISH AND INSTALL COMPLETE	a A/AMP AC	AMPERE ALTERNATING CURRENT	FC FCU	FOOT CANDLE FAN COIL UNIT
	2. THE INTENT OF THESE DOCUMENTS IS FOR THE MEP TRADES TO FORMISH AND INSTALL COMPLETE MECHANICAL AND ELECTRICAL SYSTEMS. THE SPECIFIED FIRE PROTECTION, PLUMBING, HVAC, ELECTRICAL AND SPECIAL SYSTEMS SHALL BE COMPLETE IN ALL RESPECTS; OPERATIONAL, TESTED, ADJUSTED,	AD AF AFF	ACCESS DOOR ARC FAULT ABOVE FINISHED FLOOR	FD FD F	FIRE DAMPER FLOOR DRAIN FIBER
	CALIBRATED, APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR BENEFICIAL USE BY THE OWNER. 3 THE TRADES SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS BEFORE SUBMITTING A BID. INFORMATION	AFG AHU	ABOVE FINISHED GRADE AIR HANDLING UNIT	FDC FDV	FIRE DEPARTMENT CONNECTION FIRE DEPARTMENT VALVE
	IS PROVIDED ON THE VARIOUS DRAWINGS, SCHEDULES, SPECIFICATIONS AND ALL OF THE VARIOUS DOCUMENTS IN THE BIDDING PACKAGE. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND FORM A	AND AMB ANN	AMPS INTERROPTING CORRENT AMBIENT ANNUNCIATOR	FM FMC FOB	FLOW METER FLEXIBLE METALLIC TUBING FLAT ON BOTTOM
	<ul> <li>4. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK</li> <li>INCLUDED IN THE CONTRACT. COORDINATE LOCATIONS OF EQUIPMENT WITH OTHER TRADES BEFORE AND</li> </ul>	ANSI APPROX ATC	AMERICAN NATIONAL STANDARDS INSTITUTE APPROXIMATE AUTOMATIC TEMPERATURE CONTROL	FOT FP FPM	FLAT ON TOP FIRE PUMP FEET PER MINI ITE
	DURING CONSTRUCTION. ANY MODIFICATION TO THE EQUIPMENT LAYOUT, REQUIRED FOR INSTALLATION, IS TO BE PERFORMED UNDER THE CONTRACT AGREEMENT, AT NO ADDITIONAL COST.	ATS AVG	AUTOMATIC TRANSFER SWITCH AVERAGE	FPS FT	FEET PER SECOND FOOT OR FEET
	EQUIPMENT. ALL SUCH EQUIPMENT AND EQUIPMENT COLORS AND FINISHES SHALL BE COORDINATED WITH THE ARCHITECT. MOUNTING HEIGHTS SHALL BE APPROVED BY THE ARCHITECT.	AWG b	AMERICAN WIRE GAUGE 42" ABOVE FINISHED FLOOR	FVC G	FIRE VALVE CABINE I
	<ol> <li>PERFORM ALL WORK IN COMPLIANCE WITH THE SPECIFICATIONS, APPLICABLE CODES, ORDINANCES AND THE REGULATORY AGENCIES HAVING JURISDICTION. THE SPECIFICATIONS MAY EXCEED THE REQUIREMENTS OF THE CODE. IN WHICH CASE. THE SPECIFICATION MUST BE FOLLOWED.</li> </ol>		BONDING CONDUCTOR FOR INICATIONS	GA GE	GAUGE GROUNDING EQUALIZER
	<ol> <li>INSTALL ALL EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE EQUIPMENT MUST BE INSTALLED ABOVE AN INACCESSIBLE CEILING OR BEHIND A WALL, AN APPROPRIATE ACCESS DOOR SHALL BE PROVIDED AND THE</li> </ol>	BICSI	BUILDING INDUSTRY CONSULTING SERVICE	GEC GF GND	GROUND FAULT GROUND FAULT GROUND
	<ul> <li>LOCATION SHALL BE COORDINATED WITH THE ARCHITECT.</li> <li>8. COORDINATE PIPING AND CONDUITS ENTERING OR LEAVING THE BUILDING WITH THE SITE CONTRACTOR(S)</li> <li>BEFORE INSTALLATION. COORDINATE INVERTS WITH THE STRUCTURE AND SYSTEM REQUIREMENTS PRIOR TO</li> </ul>	BNC BSMT BTU	BAYONET NEIL-CONCELMAN BASEMENT BRITISH THERMAL LINITS	GR	GRAINS
	<ul> <li>9. WHERE A CONFLICT OCCURS BETWEEN THE DOCUMENTS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE</li> </ul>	C	CONDUIT(S)	H/C HC	HEATING/COOLING HORIZONTAL CROSS-CONNECT
	10. BEFORE INSTALLATION, COORDINATE THE WORK WITH OWNER-FURNISHED EQUIPMENT, INCLUDING REQUIRED SERVICE CONNECTIONS, FACTORY START UPS AND INSTALLATION OF FIELD DEVICES.	C/B CAT CATV	CIRCUIT BREAKER CATEGORY ETHERNET CABLE COMMUNITY ANTENNA TELEVISION	HD HDCP HP	HEAD HANDICAP HORSEPOWER
	<ol> <li>PROVIDE THE REQUIRED/SPECIFIED SLEEVES AND SEALS FOR PIPES OR CONDUIT PENETRATING INTERIOR AND EXTERIOR WALLS OR FLOOR SLABS.</li> <li>INSTALL FLOOR-MOUNTED FOURIMENT ON A CONCRETE HOUSEKEEPING PAD</li> </ol>	CCTV CFM	CLOSED CIRCUIT TELEVISION CUBIC FEET PER MINUTE	HR HT	HOUR(S) HEAT
	<ol> <li>SEISMICALLY SUPPORT THE EQUIPMENT AS REQUIRED BY CODE, THE AUTHORITY HAVING JURISDICTION, AND/OR AS SPECIFIED. SUBMIT ENGINEERED INSTALLATION DETAILS PER THE SPECIFICATIONS. THE CONTRACTOR'S</li> </ol>	CI CKT CLG	CAST IRON CIRCUIT CEILING	HV HVAC HZ	HEATING/VENTILATION UNIT HEATING, VENTILATION AND AIR CO FREQUENCY (CYCLES PER SECONI
	SEISMIC ENGINEER SHALL REVIEW THE INSTALLATION AND PROVIDE A REPORT ON THE FINDINGS. 14. PROVIDE MEP COORDINATION DRAWINGS AS REQUIRED BY THE SPECIFICATIONS. 15. ENCLOSED CONTROLLERS SHALL BE PROVIDED BY THE CONTRACTOR PROVIDING THE FOLLIPMENT REQUIRING	CO CO2	CLEANOUT CARBON DIOXIDE	IC	INTERMEDIATE CROSS-CONNECT
	AN ENCLOSED CONTROLLERS. REQUIREMENTS ARE SPECIFIED UNDER DIVISION 26: "ENCLOSED CONTROLLERS". MOTOR EFFICIENCIES SHALL BE AS INDICATED IN THE SPECIFICATIONS.	COAX COMP COND	COAXIAL CABLING COMPRESSOR CONDENSER	ID IG IN	INSIDE DIAMETER ISOLATED GROUND INCHES
	<ol> <li>PROVIDE PIPING, DUCTWORK, CONDUIT AND ALL OTHER ACCESSORIES AS REQUIRED FOR PROPER AND PROFESSIONAL SYSTEMS INSTALLATION.</li> <li>TEST AND BALANCE ALL MECHANICAL AND FLECTRICAL SYSTEMS. PROVIDE ADDITIONAL TESTS AS PEOLIDED BY</li> </ol>	CONV COP	CONVECTOR COPPER CABLING CENTRAL PROCESSING LINIT	JB	JUNCTION BOX
	<ul> <li>THE SPECIFICATIONS.</li> <li>18. DO NOT INSTALL PIPING OR DUCTWORK OVER ELECTRICAL PANELS, TRANSFORMERS, SPECIAL EQUIPMENT,</li> </ul>	CPU CRU CRV	COMPUTER ROOM UNIT COMPUTER ROOM UNIT CENTRIFUGAL ROOF VENTILATOR	KVA KW	KILOVOLT AMPERE KILOWATT
	ELEVATOR MACHINE ROOMS OR SHAFTS. 19. DO NOT INSTALL ANY SYSTEMS IN OR THROUGH ELEVATOR MACHINE ROOMS THAT DO NOT SERVE THE ROOM. MAINTAIN A MINIMUM OF SEVEN (7) FOOT HEAD CI FARANCE IN THE FLEVATOR MACHINE ROOM	CT CT	CABLE TRAY COOLING TOWER CURRENT TRANSFORMED	L	
	20. DO NOT INSTALL IN STAIRWELL OR STAIRWELL WALLS, PIPING, DUCTWORK, CONDUIT OR OTHER DEVICES OR EQUIPMENT NOT ASSOCIATED WITH OR SERVING THE RESPECTIVE STAIR.	CU FT CUH	CUBIC FEET CABINET UNIT HEATER	L/LS LAN LAV	LOCAL AREA NETWORK LAVATORY
	21. FROMIDE FIFE EXPANSION COMPENSATION FOR THE VARIOUS PIPING SYSTEMS. SUBMIT ENGINEERED DETAILS FOR APPROVAL AND VERIFY INSTALLATION IS IN ACCORDANCE WITH CODE. THE CONTRACTOR'S CONSULTING ENGINEER SHALL REVIEW THE INSTALLATION AND PROVIDE A REPORT OF THE FINDINGS.	CV CVP	CONSTANT VOLUME CEILING VIDEO PRESENTATION		LINEAR FEET LIQUID LOW VIDEO PRESENTATION
	22. PROVIDE ADDITIONAL TRANSITIONS AND OFFSETS IN ALL PIPING, DUCTWORK OR CONDUIT FOR COORDINATION WITH BUILDING STRUCTURE AND CONSTRUCTION.	D D	DATA DEPTH	LVP MA	
	23. IN MECHANICAL OR ELECTRICAL SYSTEM COMPONENTS MAY BE SUPPORTED FROM STRUCTURAL BRACED FRAMES.	DA DB dB	DISTRIBUTOR A DISTRIBUTOR B DECIBEL	MA MAGP MAY	MIXED AIR MASTER ALARM GAS PANEL MAXIMUM
	RENOVATION 1. THIS PROJECT INVOLVES THE RENOVATION OF AN EXISTING FACILITY; BEFORE SUBMITTING THE BID, CONTRACTORS SHALL VISIT THE SITE AND RECOME THOROUGHLY FAMILIAD WITH THE EXISTING CONDITIONS	DC DC	DIRECT CURRENT DISTRIBUTOR C	MC MECH	MAIN CROSS-CONNECT MECHANICAL
	UNDER WHICH THE PROJECT IS TO BE COMPLETED. 2. CONTRACTORS SHALL BE HELD RESPONSIBLE FOR ASSUMPTIONS, OMISSIONS OR ERRORS MADE AS A RESULT	DEG or ° DEMARC DIA or Ø	DEGREE DEMARCATION DIAMETER	MFR MIN MM	MANUFAC FURER MINIMUM MULTI-MODE
	OF FAILURE TO BECOME FULLY FAMILIAR WITH THE EXISTING CONDITIONS. 3. IT IS NOT THE INTENT OF THESE DOCUMENTS TO SHOW EVERY DEVICE, APPURTENANCE, PIPE, WIRE OR CONDUIT TO BE REMOVED. MEP FOURPMENT UNITS AND SYSTEMS NOT DEVICE PLACE PLACE DE MOVED. IN	DN DWG	DOWN DRAWING	N.C.	NORMALLY CLOSED
	THEIR ENTIRETY INCLUDING ASSOCIATED HANGERS, SUPPORTS, BASES, PADS, PIPES, DUCTS, CONDUITS, WIRES, INSULATION, AND CONTROLS BACK TO THE POINT OF ORIGIN.	DX EA	EXHAUST AIR	N.O. N/A NEC	NORMALLY OPEN NOT APPLICABLE NATIONAL ELECTRICAL CODE
	<ol> <li>EQUIPMENT, PIPING, OR CONDULT SHALL NOT BE ABANDONED IN-PLACE UNLESS SPECIFICALLY SO NOTED.</li> <li>PROPERLY DISPOSE OF DEMOLISHED EQUIPMENT IN COMPLIANCE WITH CODES, REGULATIONS, AND DEEP STANDARDS. TURN OVER TO THE OWNER EQUIPMENT SO INDICATED.</li> </ol>	EF EFF EUC	ENTRANCE FACILITY EFFICIENCY ELECTRICAL HEATING CARLES	NIC NL	NOT IN CONTRACT NIGHT LIGHT WALK-THRU
	6. RELOCATE EXISTING EQUIPMENT, DEVICES, PIPING, WIRING, AND RELATED SYSTEMS AS REQUIRED FOR CONSTRUCTION PURPOSES. ALL EXISTING SYSTEMS SHALL BE FULLY OPERATIONAL, INCLUDING RECONNECTION TO SEDVICES AND UPOPADED SYSTEMS. ALL EST CONTENTS TO WIRK AS RECOMPLETED FOR	EIA ELEC	ELECTRONICS INDUSTRIES ALLIANCE ELECTRICAL	OD	
	RECOMMENDATION TO SERVICES AND UPGRADED SYSTEMS. ALL RELOCATED EQUIPMENT SHALL BE PROTECTED DURING CONSTRUCTION. 7. PROVIDE TEMPORARY CONNECTIONS AND SYSTEM MODIFICATIONS AS REQUIRED FOR CONSTRUCTION AND	ELEV EM FMI	ELEVATOR EMERGENCY ELECTROMAGNETIC INTERFERENCE	OF P	OPTICAL FIBER
	PHASING PURPOSES. 8. INCLUDE ALL WORK REQUIRED TO ALLOW PHASED CONSTRUCTION WHEN NECESSARY. COORDINATE WITH GENERAL CONTRACTOR/CONSTRUCTION MANAGER FOR PLASING REQUIREMENTS.	EMT ER	ELECTRICAL METALLIC TUBING EQUIPMENT ROOM	PA PBX	PUBLIC ADDRESS PRIVATE BRANCH EXCHANGE
	9. ALL EXISTING EQUIPMENT, FIXTURES, AND DEVICES TO BE REMOVED AND RELOCATED SHALL BE FIELD VERIFIED FOR EXACT QUANTITY AND CONDITION. KEEP AN ACCURATE RECORD OF STORED EQUIPMENT AND ITS	ESP ETP FUH	EXTERNAL STATIC PRESSURE ELECTRIC TRAP PRIMER ELECTRIC UNIT HEATER	PE PF	PRIMARY ELECTRIC SERVICE POWER FACTOR
	CONDITION. 10. REBALANCE NEW AND EXISTING MECHANICAL AND ELECTRICAL SYSTEMS ASSOCIATED WITH THE RENOVATION, INCLUDING RENOVATED AREAS AND AREAS AFEECTED BY SYSTEM MODIFICATIONS	EXH EXP	EXHAUST EXPANSION		
	11. SYSTEMS REQUIRING TO REMAIN IN OPERATION DURING DEMOLITION SHALL BE CAREFULLY PROTECTED FROM DAMAGE AND CONTAMINATION BY THE CONSTRUCTION PROCESS.				
	TECHNOLOGY 1. COORDINATE WITH CONSTRUCTION MANAGER, OTHER TRADES AND THE OWNER DURING ALL PHASES. ALL COMMUNICATIONS MUST BE MAINTAINED AT ALL TIMES UNLESS DEASING DECURES OT FEMALOR				
	INTERRUPTIONS MUST DE MAINTAINED AT ALL TIMES UNLESS PHASING REQUIRES OTHERWISE. INTERRUPTIONS AND SHUTDOWNS SHALL BE SCHEDULED IN ADVANCE AND APPROVED FOR TIME TO COMPLETE WORK. TAG CABLES TO REMAIN DURING ALL PHASES TO PROPERLY KEEP THE TELECOMMUNICATIONS ACTIVE.				
	UPON COMPLETION OF CONSTRUCTION, ANY CABLES THAT ARE NOT ACTIVE OR TAGGED TO REMAIN FOR FUTURE USE SHALL BE REMOVED PER THE NEC. BEFORE CONSTRUCTION CAN REGIN IN ANY TELECOMMUNICATIONS DOOM (TD) OD TELECOMMUNICATIONS		• 2005 CONNECTICUT STATE BUILDING CODE WIT	<u>א איט איז איז איז איז איז איז איז איז איז איז</u>	NS UN THIS PRUJECT 13 AMMENDMENTS
	EQUIPMENT ROOM (ER) THE CONTRACTOR SHALL COORDINATE LAYOUT LOCATIONS AND CLEARANCES OF ALL EQUIPMENT WITH THE TECHNOLOGY OWNER TO APPROVE THE INSTALLATIONS AND ANY FUTURE SPACE.		2005 CONNECTICUT STATE FIRE SAFETY CODE     THE FOLLOWING AS REFERENCED BY THE ABO     2003 INTERNATIONAL PUIL DINC CODE (	WITH 2009 AMMENDI VE CODES AND AME	MENTS NDMENTS:
	3. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF EQUIPMENT. ALL SUCH EQUIPMENT AND COLORS SHALL BE COORDINATED WITH THE ARCHITECT. CONTACT ARCHITECT FOR ANY CLARIFICATION.		<ul> <li>2003 INTERNATIONAL BUILDING CODE (</li> <li>2003 INTERNATIONAL EXISTING BUILDING CODE (</li> <li>NFPA 70 - NATIONAL ELECTRICAL CODE (</li> </ul>	NG CODE (NEC), 2011	
	<ol> <li>REFER TO REFLECTED CEILING PLANS FOR FLUSH MOUNTED CEILING DEVICES.</li> <li>PROVIDE SEPARATION BETWEEN RACEWAY, CABLES AND OTHER SOURCES (EMI) PER ANSI/TIA-569-B.</li> <li>EL ROWL PADILUS FOR PADILUS FOR THANK OF THANK OF THE PLANE OF (2) ON THE PLANE OF T</li></ol>		• NFPA 72 - NATIONAL FIRE ALARM CODE	, 2011	
	<ul> <li>a. ELDOW RADIUS FOR RACEWAYS SMALLER THAN 2" TO BE (6) SIX TIMES THE RACEWAY DIAMETER. ELBOW RADIUS</li> <li>FOR CONDUITS 2" OR LARGER TO BE (10) TEN TIMES THE RACEWAY DIAMETER.</li> <li>ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH A (PLENUM RATED, IF PLENUM CEILING SPACE) NYLON PULL</li> </ul>				
	CORD. 8. COORDINATE PROPER METHODS FOR PENETRATIONS WITH FIRESTOPPING AS REQUIRED THROUGH FIRE/SMOKE RATED CONSTRUCTION PER DIVISION OF SPECIFICATIONS				
	<ol> <li>NO PENETRATIONS ARE PERMITTED INTO ANY STAIRWELLS EXCEPT FOR SYSTEMS SERVING THAT STAIRWELL.</li> <li>CONDUITS AND CABLING FOR SERVICE ENTRANCE SHALL BE PROVIDED PER SITE UTILITY DRAWINGS,</li> </ol>				
	I ECHNOLOGY/ELECTRICAL POWER DRAWINGS AND DIVISION 26 SPECIFICATIONS. COORDINATE LOCATION OF DEMARCATION POINT. 11. LADDER RACKS, CONDUITS, D-RINGS, ETC. FOR CABLE SUPPORT IN ANY TELECOMMUNICATIONS ROOM (TR) OP				
	TELECOMMUNICATIONS EQUIPMENT ROOM (ER) SHALL BE PROVIDED PER PLANS AND DIVISION 26 SPECIFICATIONS.				
	<ul> <li>12. CONDUCTS, SLEEVES AND J-HOORS FOR FIBER BACKBONE CABLING AND OTHER BACKBONE CABLING SHALL BE PROVIDED PER DIVISION 26 SPECIFICATIONS.</li> <li>13. SURFACE MOUNTED RACEWAYS, CONDUITS, SLEEVES AND J-HOOKS FOR HORIZONTAL CABLING FROM</li> </ul>				
	COMMUNICATIONS EQUIPMENT ROOM TO THE TELECOMMUNICATIONS OUTLETS/CONNECTORS SHALL BE PROVIDED PER DIVISION 26 SPECIFICATIONS. 14 COORDINATE THE INSTALLATION OF ALL CABLE TRAYS, SUBFACE MOUNTED PACEWAYS, CONDUCTS, SUFFACE				
	AND J-HOOKS PER DIVISION 26 SPECIFICATIONS. 15. COORDINATE OUTLET INSTALLATIONS, WALL: RECESSED OR SURFACE; CEILING; FLOOR: SLEEVE OR INFLOOR				
	SYSTEM; UTILITY COLUMN; PER TECHNOLOGY/ELECTRICAL POWER DRAWINGS AND DIVISION 26 SPECIFICATIONS.				
	TERMINATION FROM THE TELECOMMUNICATIONS EQUIPMENT ROOM (ER) TO THE FIRE ALARM CONTROL PANEL.				

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	MEPT ABBREVIATIONS	<b>r</b>							
			GENERAL SYMBOLS						
PH/Ø PIV PNL	PHASE POST INDICATOR VALVE PANELBOARD				SECURITY SYMBOLS				
POE PP	POWER OVER ETHERNET PATCH PANEL		AND WIRING		ACCESS CONTROL				
PR PRESS	PAIR PRESSURE		THIN, LIGHT LINES INDICATE EXISTING ITEMS OR RACEWAY TO REMAIN IN PLACE AND BE	DO	DOOR OPERATOR				
ρι οτγ			REUSED THICK. DASHED LINES INDICATE EXISTING	PP	PUSH PLATE				
RE	EXISTING EQUIPMENT TO BE DISCONNECTED		ITEMS TO BE REMOVED	ML	MAGNETIC DOOR LOCK				
REG	AND REMOVED REGISTER		POINT OF NEW TO EXISTING CONNECTION, INCLUDING TRANSITIONS	ES	ELECTRONIC DOOR STRIKE				
RGS RH	RIGID GALVANIZED STEEL CONDUIT RELATIVE HUMIDITY	EX	SUB LETTERS "EX" INDICATES EXISTING	ELR	ELECTRONIC DOOR LATCH RETRACTION				
RL	EXISTING EQUIPMENT TO BE DISCONNECTED, REMOVED AND RELOCATED	RF	EQUIPMENT TO REMAIN INTACT SUB LETTER "RE" INDICATES EXISTING	CR	CARD READER				
RPM RU	ROOM REVOLUTIONS PER MINUTE RACK LINIT		EQUIPMENT TO BE DISCONNECTED AND REMOVED	REX	REQUEST TO EXIT				
S	SLEEVE(S)	RL	SUB LETTER "RL" INDICATES EXISTING EQUIPMENT TO BE DISCONNECTED, DEMOVED AND DEL OCATED	EH	ELECTRONIC DOOR HARDWARE				
SE	SECONDARY ELECTRIC SERVICE	NL	SUB LETTER "NL" INDICATES NEW		INTRUSION DETECTION				
SP SP	STADLE-MODE STANDPIPE STATIC PRESSURE		LOCATION OF RELOCATED EQUIPMENT	AS	AUDIBLE SIREN/HORN				
SPDT SPEC	SINGLE POLE DOUBLE THROW SPECIFICATION		EQUIPMENT TO REPLACE EXISTING	IDP	INTRUSION DETECTION PANEL				
SPST SQ	SINGLE POLE SINGLE THROW SQUARE	RR	SUB LETTER "RR" INDICATES REMOVE EQUIPMENT AND REPLACE ON NEW	GB	GLASS BREAK ALARM				
SS ST	STAINLESS STEEL STORM	*	SURFACE	KP	KEYPAD				
STD STP	STANDARD SHIELDED TWISTED PAIR		TAGGED IN THE ELECTRICAL SYMBOL LIST, REFER TO THE ABBREVIATION LIST	•	DOOR CONTACT SWITCH				
SWBD	SWITCH SWITCHBOARD		REFER TO THE ADDREVIATION LIST		MOTION DETECTOR				
T'STAT TAG	THERMOSTAT	<u></u>	COMMUNICATIONS SYMBOLS		SOUND DETECTOR				
TBB TD	TELECOMMUNICATIONS BONDING BACKBONE TEMPERATURE DIFFERENCE	×	VOICE OUTLET(S); REFER TO ABBREVIATIONS (X)	DA	BACK BOX AND CONDUIT FOR FURTURE DURESS ALARM				
TEBC	TELECOMMUNICATIONS ENCLOSURE TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR	V/X V	DATA AND VOICE OUTLET(S); REFER TO ABBREVIATIONS (X)		SURVEILLANCE				
TEL TEMP	TELECOMMUNICATIONS SERVICE TEMPERATURE	×	DATA OUTLET(S); REFER TO ABBREVIATIONS (X)	$\bigcirc$	BACK BOX AND CONDUIT FOR FUTURE VIDEO SURVEILLENCE CAMERA				
TIA TIMGB	TELECOMMUNICATIONS GROUNDING BUSBAR TELECOMMUNICATIONS INDUSTRY ASSOCIATION TELECOMMUNICATIONS MAIN GROUNDING BUSBAR	V/X V	SPECIALTY OUTLET(S); REFER TO ABBREVIATIONS (X)	VM	VIDEO MONITOR				
TP TR	TAMPERPROOF TELECOMMUNICATIONS ROOM	WAP	WIRELESS ACCESS POINT	NVR	NETWORK VIDEO RECORDER				
TS TSP TV	TELEPHONE SERVICE TOTAL STATIC PRESSURE TELEVISION		TELEVISION DATA OUTLET	DVR	DIGITAL VIDEO RECORDER				
TVS TX TYP	TRANSIENT VOLTAGE SUPPRESSOR TRANSFORMER TYPICAL	FB-X	FLOOR SERVICE FITTING WITH OUTLET(S); • REFER TO SCHEDULE (X)		RISER DIAGRAM SYMBOLS				
UF	UNFUSED	PT-X	POKE-THRU ASSEMBLY WITH OUTLET(S); REFER TO SCHEDULE (X)						
UH UPS	UNIT HEATER UNINTERRUPTIBLE POWER SUPPLY	ТР-ХІ	TELEPOWER POLE WITH OUTLET(S);		- BACKBONE FIBER CABLING				
V	VENT		CEILING BOX ASSEMBLY WITH OUTLET(S);		- BACKBONE UTP COPPER CABLING				
V V	VOICE VOLTAGE		REFER TO SCHEDULE (X) TABLE BOX WITH OUTLET(S) <sup>.</sup>	<b>_</b>					
VA VEL	VOLT AMPERE VELOCITY	[TB-X]	REFER TO SCHEDULE (X)						
VFC VIF	VARIABLE FREQUENCY CONTROLLER VERIFY IN FIELD		DIGITAL SIGNAGE DISPLAY (BY OTHERS)		CROSS-CONNECT				
VOIP VOL	VOICE OVER INTERNET PROTOCOL VOLUME	\$`\$	BACK BOX AND CONDUIT FOR CEILING OR WALL-MOUNTED SPEAKER (SPEAKERS BY OTHERS). REFER TO ABBREVIATIONS (X)	xxx	EQUIPMENT RACK				
WAO	WALL FELEPHONE WATT WORK AREA OUTLET WIREFESS ACCESS DOINT	(M) (M)	FLOOR OR WALL-MOUNTED SOUND						
WG	WIREGUARD WIDTH	<b>©</b>	BATTERY OPPERATED CLOCK.						
WP WTR	WEATHERPROOF WATER	│ <u></u>	RACEWAY UP						
WWM	WELDED WIRE MESH	│ <u> </u> • •	RACEWAY DOWN						

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![](_page_31_Picture_14.jpeg)

# STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES

TECTON ARCHITECTS ONE HARTFORD SQUARE WEST HARTFORD, CT 06106

CAMPUS RENOVATIONS - ASNUNTUCK

date: 04-27-2015 scale 1/8" = 1'-0" production leader project manager: IP project architect: peer reviewer: drawing no.

T0.101

![](_page_32_Figure_0.jpeg)

# COMMUNICATIONS/SECURITY DRAWING NOTE

1 REMOVE ALL EXISTING LOW VOLTAGE PATHWAYS BACK BOXES/SUPPORTS ETC, IN THE AREA OF WORK, UNLESS OTHERWISE INDICATED. COORDINATE WITH OWNER "IT" FOR ANY PATHWAYS AND WIRING CONTINUING OUTSIDE OF THE AREA OF WORK, WHICH ARE TO REMAIN OR BE RELOCATED BY THE OWNER. ALL EXISTING LOW VOLTAGE CABLING/CONNECTIVITY IN THE AREA OF WORK FOR COMMUNICATIONS AND SECURITY, WIRED BACK TO THE MAIN SOURCE, WILL BE REMOVED BY OWNER, UNLESS OTHERWISE NOTED. 2 EXISTING TELECOMMUNICATIONS SPACE. ANY PASSIVE AND ACTIVE EQUIPMENT IN THIS SPACE SHALL BE REMOVED AND RELOCATED BY THE "IT"

CALLED NORTH

### STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES

# TECTON ARCHITECTS ONE HARTFORD SQUARE WEST HARTFORD, CT 06106

CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE

BI-CTC-437

04-27-2015 scale 1/8" = 1'-0" production leader project manager: IP project architect: peer reviewer: drawing no.

T2.101

![](_page_33_Figure_0.jpeg)

eY

4	e	16 e17	e19 e20	(e23)	e25	(e26) (e2	28 e3	30 e31	e33 e3	84 e36	e38 e40 e42	<u></u>
											EXISTING WI TEMPORARY AREAS OUTS	RING A CORF
											REMAIN. PRO CABLING IN T PROTECTION COORDINATE	VIDE I HIS AI I DURI WITH
												R

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![](_page_33_Figure_3.jpeg)

![](_page_33_Picture_4.jpeg)

6

# COMMUNICATIONS/SECURITY DRAWING NOTE

1 REMOVE ALL EXISTING LOW VOLTAGE PATHWAYS BACK BOXES/SUPPORTS ETC, IN THE AREA OF WORK, UNLESS OTHERWISE INDICATED. COORDINATE WITH OWNER "IT" FOR ANY PATHWAYS AND WIRING CONTINUING OUTSIDE OF THE AREA OF WORK, WHICH ARE TO REMAIN OR BE RELOCATED BY THE OWNER. ALL EXISTING LOW VOLTAGE CABLING/CONNECTIVITY IN THE AREA OF WORK FOR COMMUNICATIONS AND SECURITY, WIRED BACK TO THE MAIN SOURCE, WILL BE REMOVED BY OWNER, UNLESS OTHERWISE NOTED.

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## STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES

# TECTON ARCHITECTS ONE HARTFORD SQUARE WEST HARTFORD, CT 06106

CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE

BI-CTC-437

date: 04-27-2015 scale 1/8" = 1'-0" production leader project manager: IP project architect: peer reviewer: drawing no.

T2.102

![](_page_34_Figure_0.jpeg)

7

## COMMUNICATIONS DRAWING NOTES

### COMMUNICATIONS GENERAL NOTES

PROVIDE CABLING AS INDICATED ON FLOOR PLANS. CONTRACTOR SHALL LABEL, TERMINATE, AND TEST. COMMISSIONING BY OWNER. FOR ALL SPEAKER LOCATIONS PROVIDE BACK BOX AND CONDUIT TO THE NEAREST ACCESSIBLE CEILING.

STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES

# TECTON ARCHITECTS ONE HARTFORD SQUARE WEST HARTFORD, CT 06106

CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE

2

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date: 04-27-2015 scale 1/8" = 1'-0" production leader project manager: IP project architect: peer reviewer: drawing no.

TC2.201

![](_page_35_Figure_0.jpeg)

PROVIDE CABLING AS INDICATED ON FLOOR PLANS. CONTRACTOR SHALL LABEL, TERMINATE, AND TEST. COMMISSIONING BY OWNER. FOR ALL SPEAKER LOCATIONS PROVIDE BACK BOX AND CONDUIT TO THE NEAREST ACCESSIBLE CEILING.

![](_page_35_Picture_13.jpeg)

### STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES

# TECTON ARCHITECTS ONE HARTFORD SQUARE WEST HARTFORD, CT 06106

CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE

BI-CTC-437

date: 04-27-2015 scale 1/8" = 1'-0" production leader project manager: IP project architect: peer reviewer: drawing no.

TC2.202