

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

Previous Addendums: Addendum #1, July 23, 2015; Addendum #2, August 4, 2015, Addendum #3, 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

SECOND FLOOR FRAMING PLAN
1/8" = 1'-0"

- TOP OF CONCRETE FLOOR SLAB TO BE AT REFERENCE ELEVATION 11'-6 5/8" (+/-) (VERIFY IN FIELD). TOP OF NEW SLAB ELEVATION TO MATCH EXISTING. ADJUST STEEL ELEVATION AS REQUIRED.
- [+] OR [-] INDICATES TOP OF GIRDERS/BEAMS ELEVATION AT COLUMN OR BEAM CENTERLINE. REFERENCED FROM TOP OF STEEL ELEVATION.
- BF... INDICATES BRACED FRAME. SEE BRACE FRAME ELEVATIONS AND DETAILS.
- CANT INDICATES CANTILEVERED BEAM TO BE THE SAME BEAM SIZE AS ADJACENT BACKSPAN.
- DOF INDICATES DECK OPENING FRAME. SEE TYPICAL DETAIL ON "S4.400"
- A NUMBER SHOWN AFTER A BEAM SIZE (I.E. W18X35 (24)) INDICATES THE NUMBER OF 3/4" DIAMETER x 4" HIGH, HEADED STUD TYPE SHEAR CONNECTORS WELDED TO TOP FLANGE OF BEAM. SHEAR CONNECTORS TO BE EVENLY SPACED, UNLESS OTHERWISE NOTED.
- BEAM END CONNECTIONS SHALL BE SELECTED AND DETAILED FOR 1.25 TIMES THE REACTIONS INDICATED ON PLAN OR IN A SCHEDULE. END CONNECTIONS ON BEAMS DESIGNATED -WXXVXX- SHALL BE SELECTED AND DETAILED FOR A MINIMUM OF 6K.
- A# - K# INDICATES TENSION/COMPRESSION FORCE IN MEMBER. H# - K# INDICATES HORIZONTAL FORCE AT MEMBER CONNECTION. T# - FT# OR T# - K# INDICATES TORSIONAL FORCE AT MEMBER CONNECTION. K# AND R# K# INDICATES GRAVITY LOAD AT MEMBER CONNECTION. DESIGN CONNECTION FOR ALL FORCES INDICATED ON THE DRAWINGS.
- W8 INDICATES W8x10, W10 INDICATES W10x12, W12 INDICATES W12x14, W14 INDICATES W14x22.
- CONTRACTOR TO COORDINATE LOCATION AND DIMENSIONS OF MECHANICAL UNITS AND MECHANICAL UNIT SUPPORT FRAMING WITH MECHANICAL CONTRACTOR AND/OR EQUIPMENT SUPPLIER. STRUCTURE HAS BEEN DESIGNED TO SUPPORT THE EQUIPMENT INDICATED ON THE STRUCTURAL DRAWINGS. IF CHANGES ARE MADE, NOTIFY THE STRUCTURAL ENGINEER IMMEDIATELY FOR SUPPORT VERIFICATION.
- CONTRACTOR TO COORDINATE SIZE AND LOCATION OF ALL OPENINGS AND SLEEVES WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS AND MEP CONTRACTORS.
- CONTRACTOR PERFORMING STRUCTURAL WORK SHALL BE RESPONSIBLE FOR ALL SHORING OF EXISTING CONSTRUCTION REQUIRED TO SAFELY COMPLETE WORK.
- SEE "S4.400" FOR TYPICAL SLAB ON DECK CONSTRUCTION JOINT DETAIL. CONTRACTOR TO SUBMIT PROPOSED SLAB CONSTRUCTION JOINT LOCATIONS FOR APPROVAL.
- ALL STRUCTURAL STEEL TO MEET AESS REQUIREMENTS. SEE SPECIFICATION SECTION "051200" FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- ALL RADIAL BEAM CENTERLINES SHALL ALIGN WITH GRID WORKING POINT. BEAMS SHALL BE EQUALLY SPACED IN BAYS UNLESS OTHERWISE NOTED ON PLANS. SEE DRAWING S1.100 FOR LOCATION OF GRID WORKING POINT.
- NEW W12 @ EXIST JOISTS SUPPORTING RELOCATED RTUS. INSTALL TIGHT TO UNDERSIDE OF DECK. DRY PACK WITH NONSHRINK GROUT AS REQ'D TO PROVIDE FULL BEARING. REMOVE EXISTING JOIST BRIDGING AS REQUIRED TO INSTALL NEW BEAM. REINSTALL EXISTING JOIST BRIDGING AFTER INSTALLATION OF W12.
- SEE DRAWING "S1.100" FOR ALL GRID DIMENSIONS.

FLOOR FRAMING PLAN SYMBOL LEGEND

- INDICATES DIRECTION OF SPAN OF COMPOSITE CONCRETE FLOOR SLAB. STRUCTURAL SLAB TO BE 3" NORMAL WEIGHT CONCRETE OVER 2" 18 GAGE GALVANIZED METAL DECK. (NOMINAL THICKNESS = 9") REINFORCED WITH 6x6-W2.9xW2.9 WWF. SEE "S4.400" FOR ADDITIONAL REINFORCING REQUIREMENTS.
- INDICATES DIRECTION OF SPAN OF WIDE RIB, GALVANIZED 1 1/2" DEEP, 18 GAGE METAL ROOF DECK. SEE "S4.400" FOR FRAMING INFORMATION. SEE PROJECT SPECIFICATIONS.
- INDICATES COORDINATE FINAL DIMENSIONS WITH ARCHITECTURAL DRAWINGS, EQUIPMENT SUPPLIER, AND EQUIPMENT CONTRACTOR.
- INDICATES MOMENT CONNECTION TO DEVELOP FULL BENDING AND SHEAR CAPACITY OF BEAM OR GIRDER, UNLESS OTHERWISE NOTED.
- INDICATES CONCRETE HOUSEKEEPING SLAB, COORDINATE QUANTITY, SIZE, AND LOCATION WITH MEP DRAWINGS. SEE "S3.301".



KEYPLAN

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF CONSTRUCTION SERVICES

TECTON ARCHITECTS
ONE HARTFORD SQUARE WEST
HARTFORD, CT 06106

project: CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE
170 ELD STREET
ENFIELD, CT
project number: BJ-CTC-437

date: 04/27/2015
scale: As indicated
production leader: JLF
project manager: JLF
project engineer: SBF
peer reviewer:
drawing no: S2.200

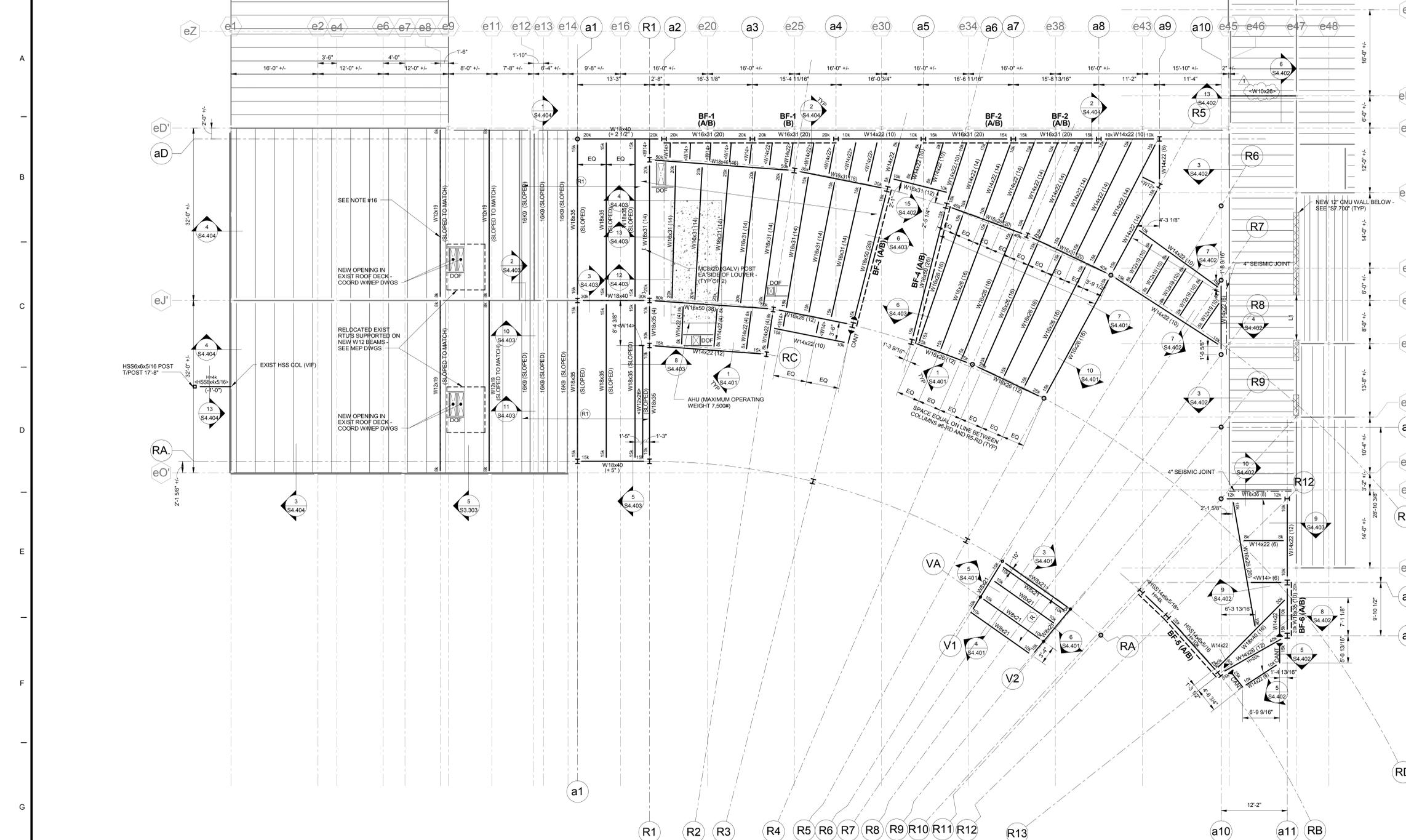
BVH
integrated services
30 Griffin Road South
Bloomfield, CT 06002
Tel: (860) 296-8171
www.bvh.com

STRUCTURAL, MECHANICAL, ELECTRICAL, AND TECHNOLOGY

drawing title: SECOND FLOOR FRAMING PLAN

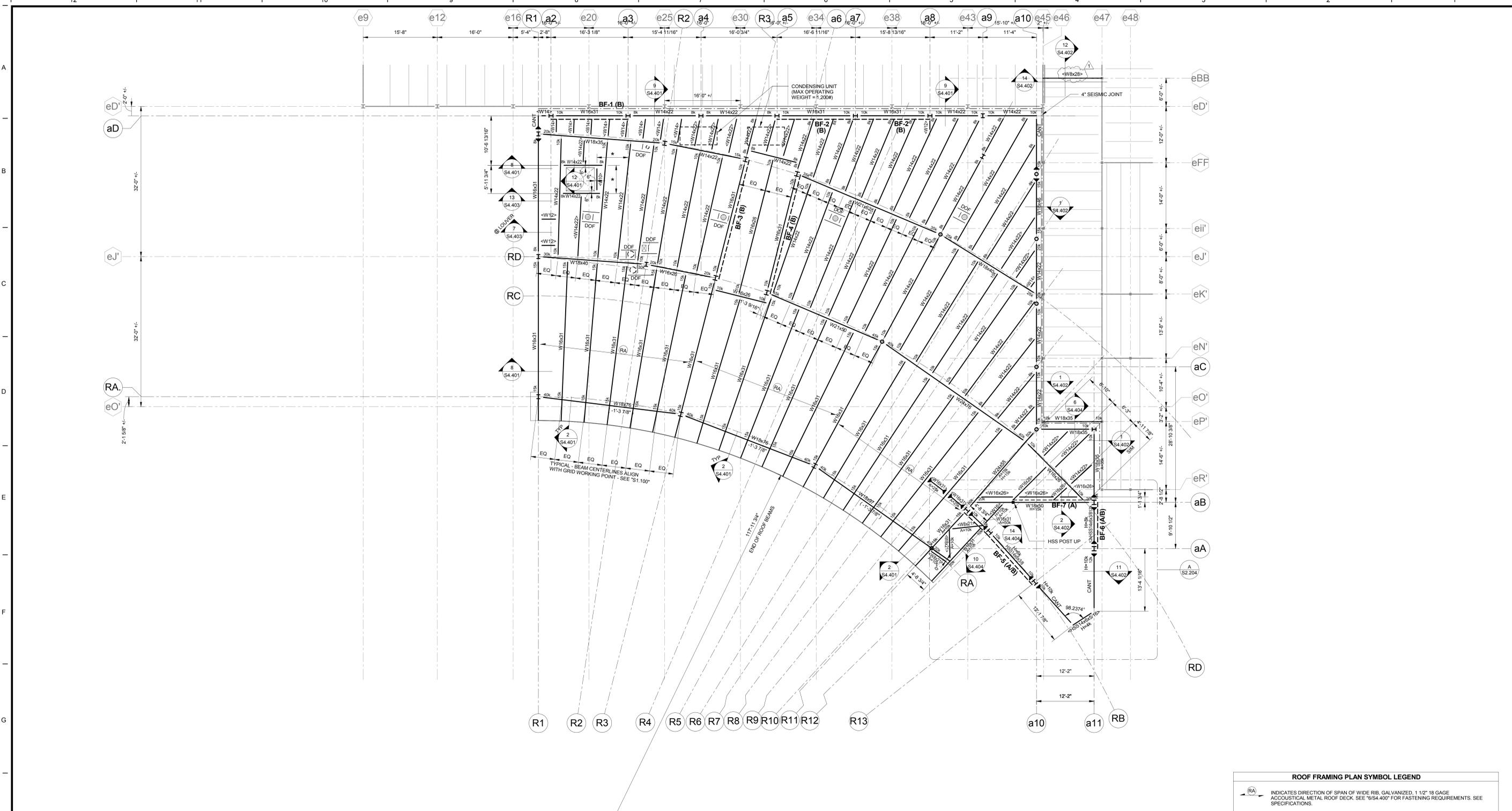
mark	date	description
1	8/20/15	ADDENDUM 4

drawing prepared by: [Signature]



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ROOF FRAMING PLAN

1/8" = 1'-0"

- TOP OF STEEL TO BE AT REFERENCE ELEVATION 23'-1 1/4"±. (VERIFY IN FIELD) UNLESS OTHERWISE NOTED BY (+...) OR (-...) INDICATING THE DISTANCE ABOVE OR BELOW THIS REFERENCE ELEVATION.
- [+...] OR [-...] INDICATES TOP OF GIRDERS/BEAMS ELEVATION AT COLUMN OR BEAM CENTERLINE REFERENCED FROM TOP OF STEEL ELEVATION.
- BF... INDICATES BRACED FRAME, SEE BRACE FRAME ELEVATIONS AND DETAILS.
- DOF INDICATES ROOF OPENING FRAME, SEE TYPICAL DETAIL "S/S4.400".
- CONTRACTOR TO COORDINATE LOCATION AND DIMENSIONS OF MECHANICAL EQUIPMENT AND MECHANICAL EQUIPMENT SUPPORT FRAMING WITH MECHANICAL CONTRACTOR AND/OR EQUIPMENT SUPPLIER. STRUCTURE HAS BEEN DESIGNED TO SUPPORT THE EQUIPMENT INDICATED ON THE MECHANICAL DRAWINGS. IF CHANGES ARE MADE, NOTIFY THE STRUCTURAL ENGINEER IMMEDIATELY FOR SUPPORT VERIFICATION.
- CONTRACTOR TO COORDINATE SIZE AND LOCATION OF ALL OPENINGS AND SLEEVES WITH ARCHITECTURAL DRAWINGS AND MEP CONTRACTORS.
- OPEN WEB JOISTS SHOWN ON PLAN SHALL HAVE BRIDGING INSTALLED AND SPACED PER STEEL JOIST INSTITUTE REQUIREMENTS, UNLESS OTHERWISE NOTED.
- BEAM END CONNECTIONS SHALL BE SELECTED AND DETAILED FOR 1.25 TIMES THE REACTIONS INDICATED ON PLAN OR IN A SCHEDULE. END CONNECTIONS ON BEAMS DESIGNATED <WXXXYY> SHALL BE SELECTED AND DETAILED FOR A MINIMUM OF 8k.
- ALL STRUCTURAL STEEL TO MEET AESS REQUIREMENTS. SEE SPECIFICATION SECTION "051200" FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- ALL RADIAL BEAM CENTERLINES SHALL ALIGN WITH GRID WORKING POINT. BEAMS SHALL BE EQUALLY SPACED IN BAYS UNLESS OTHERWISE NOTED ON PLANS. SEE DRAWING S1.100 FOR LOCATION OF WORKING POINT.
- SEE DRAWING "S1.100" FOR ALL GRID DIMENSIONS.

ROOF FRAMING PLAN SYMBOL LEGEND

	INDICATES DIRECTION OF SPAN OF WIDE RIB, GALVANIZED, 1 1/2" 16 GAGE ACCOUSTICAL METAL ROOF DECK. SEE "S/S4.400" FOR FASTENING REQUIREMENTS. SEE SPECIFICATIONS.
	INDICATES MOMENT CONNECTION TO DEVELOP FULL BENDING AND SHEAR CAPACITY OF BEAM OR GIRDER, UNLESS OTHERWISE NOTED.



KEYPLAN

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30 Griffin Road South
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Tel: (860) 295-8171
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ROOF FRAMING PLAN

mark	date	description
1	8/20/15	ADDENDUM 4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF CONSTRUCTION SERVICES

drawing title: ROOF FRAMING PLAN

drawing prepared by: JLF

scale: As indicated

production leader: JLF

project manager: JLF

project engineer: SRF

peer reviewer:

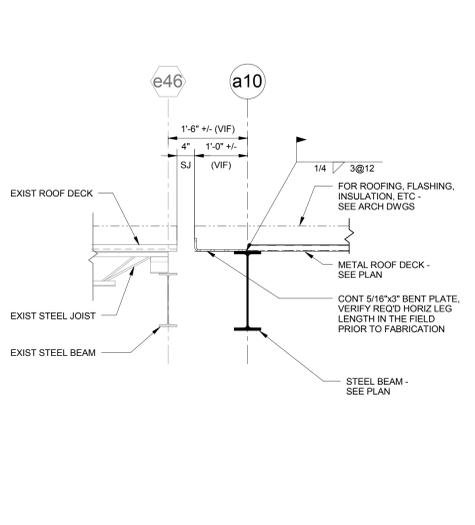
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project: CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE

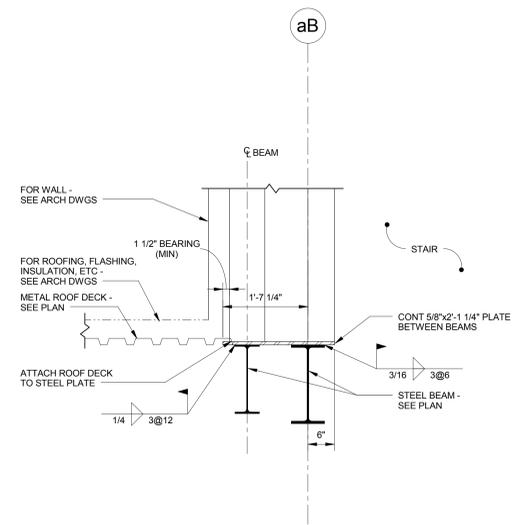
170 ELD STREET
ENFIELD, CT

project number: BU-CTC-437

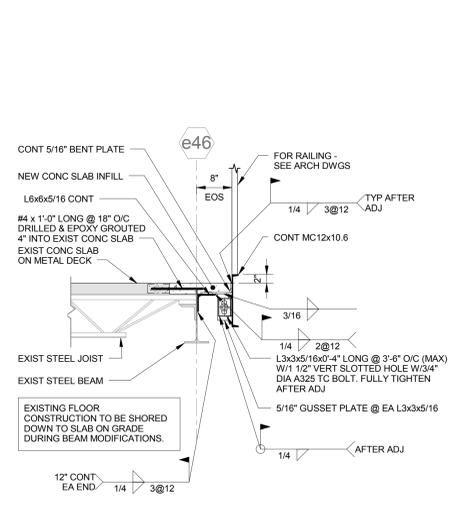




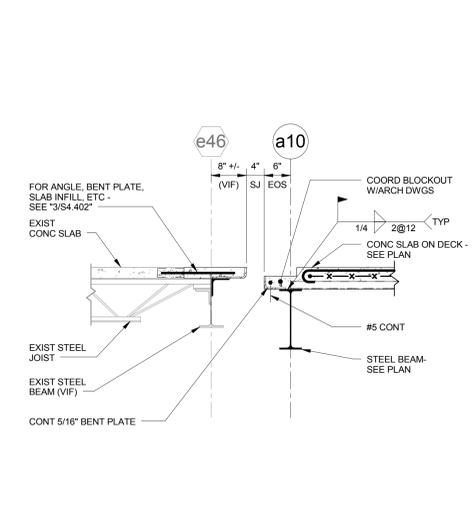
1 FRAMING SECTION
S4.402 3/4" = 1'-0"



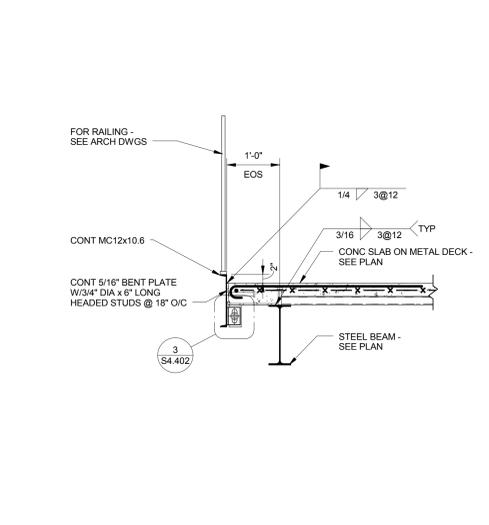
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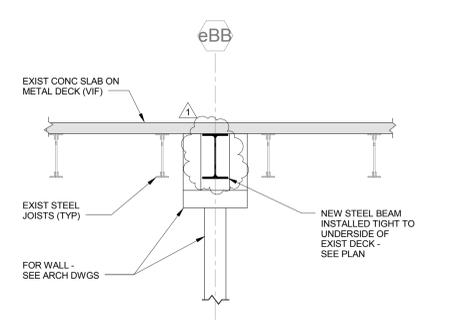
3 FRAMING SECTION
S4.402 3/4" = 1'-0"



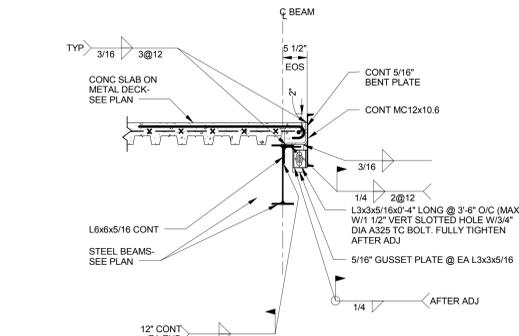
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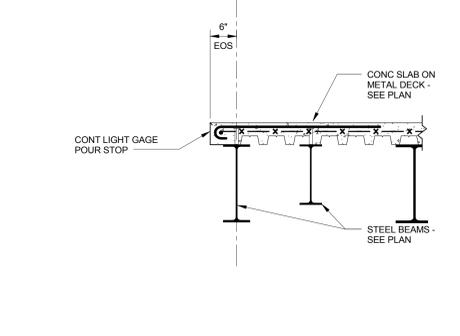
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S4.402 3/4" = 1'-0"



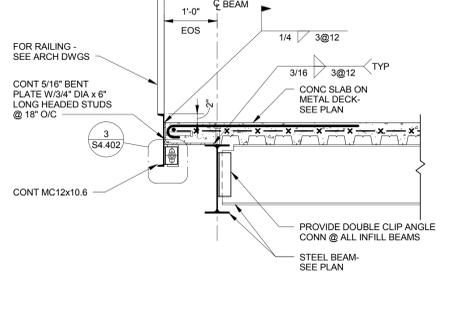
6 FRAMING SECTION
S4.402 3/4" = 1'-0"



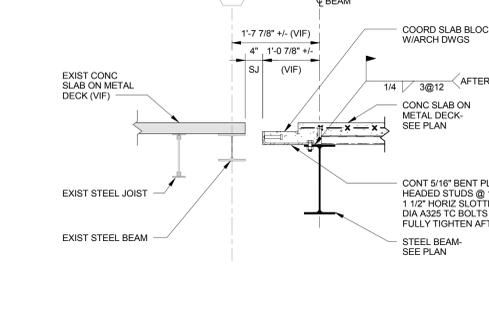
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S4.402 3/4" = 1'-0"



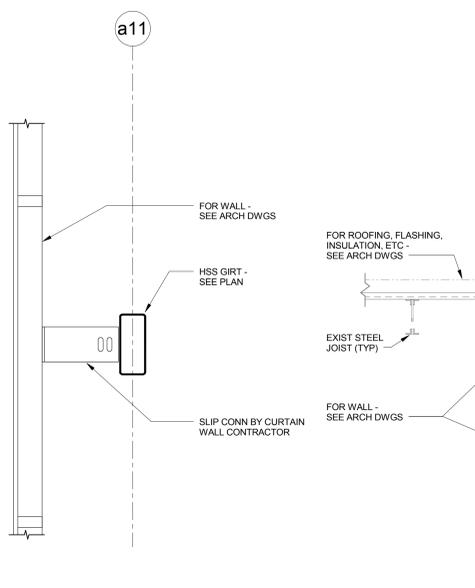
8 FRAMING SECTION
S4.402 3/4" = 1'-0"



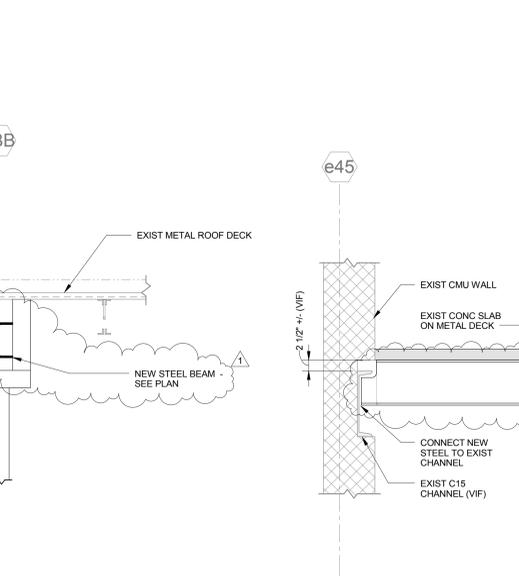
9 FRAMING SECTION
S4.402 3/4" = 1'-0"



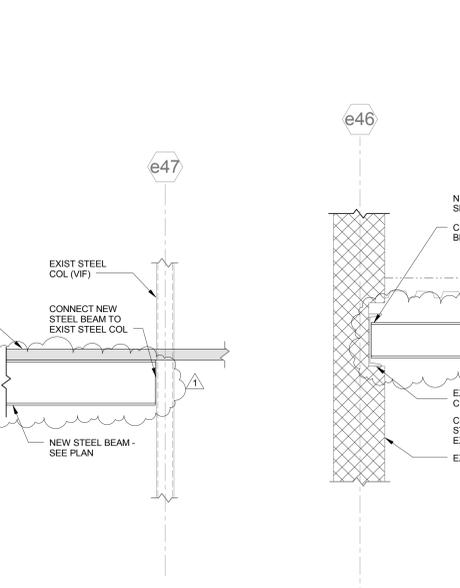
10 FRAMING SECTION
S4.402 3/4" = 1'-0"



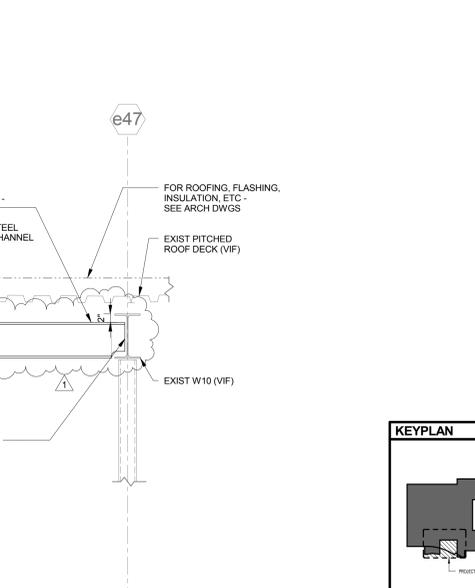
11 FRAMING SECTION
S4.402 3/4" = 1'-0"



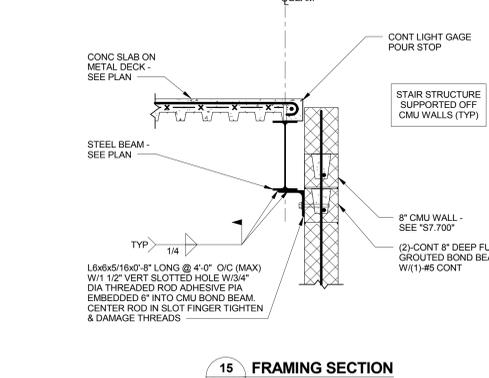
12 FRAMING SECTION
S4.402 3/4" = 1'-0"



13 FRAMING SECTION
S4.402 3/4" = 1'-0"



14 FRAMING SECTION
S4.402 3/4" = 1'-0"

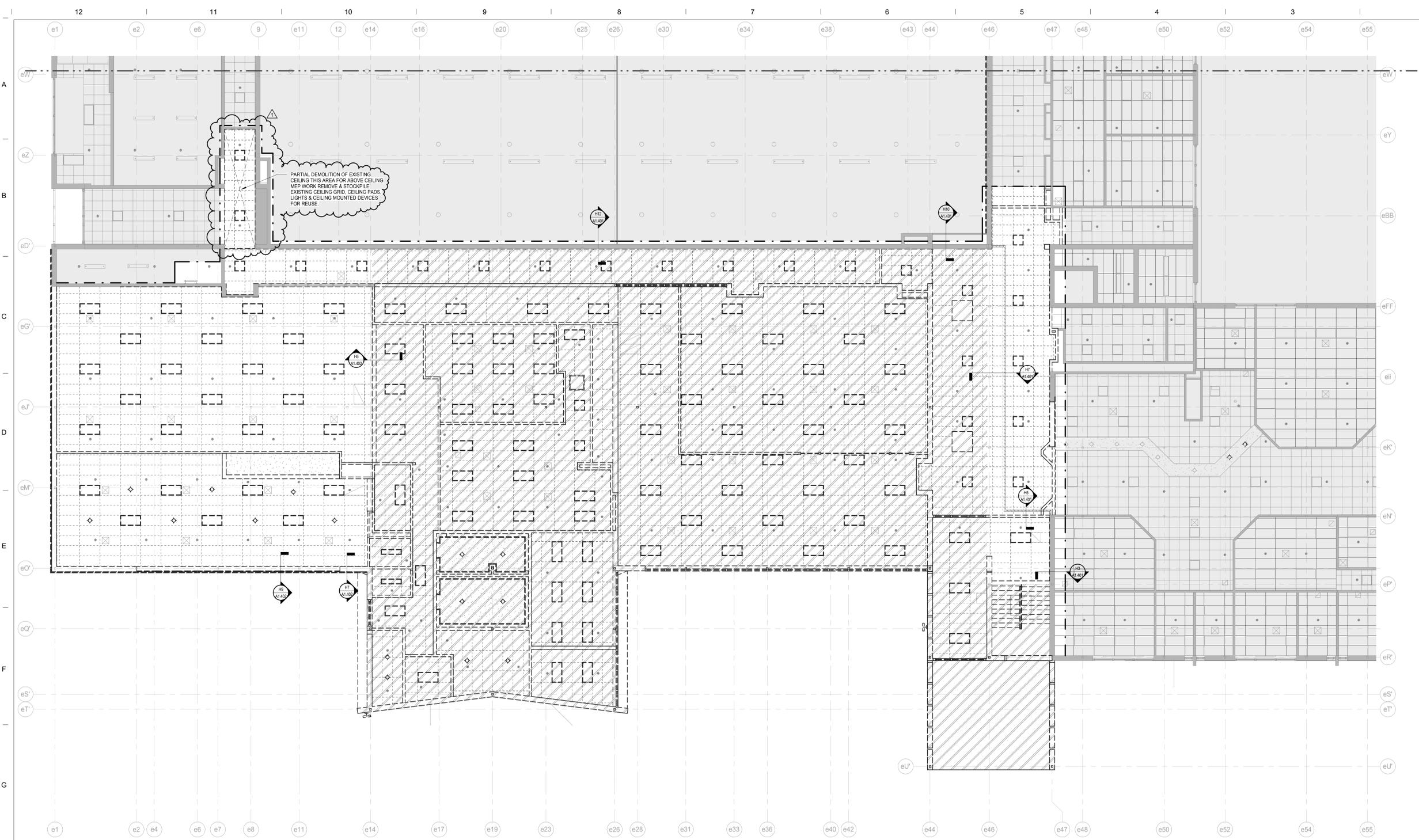


15 FRAMING SECTION
S4.402 3/4" = 1'-0"

KEYPLAN 		FRAMING DETAILS drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES							
REVISIONS <table border="1"> <thead> <tr> <th>mark</th> <th>date</th> <th>description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>8/20/15</td> <td>ADDENDUM 4</td> </tr> </tbody> </table>		mark	date	description	1	8/20/15	ADDENDUM 4	drawing prepared by: TECTON ARCHITECTS ONE HARTFORD SQUARE WEST HARTFORD, CT 06106		date: 04/27/2015 scale: 3/4" = 1'-0" production leader: J.L.F. project manager: J.L.F. project engineer: S.P.F. peer reviewer: drawing no.: S4.402	
mark	date	description									
1	8/20/15	ADDENDUM 4									
project: CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE		project number: BI-CTC-437		project location: 170 ELD STREET ENFIELD, CT							

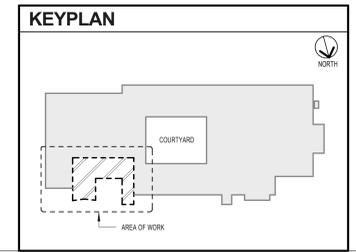
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LEGEND	
	EXISTING CONSTRUCTION TO REMAIN
	TEMPORARY PARTITION, SEE CONSTRUCTION PLANS FOR ADDITIONAL INFORMATION
	ITEMS TO BE DEMOLISHED
	SCOPE LINE
	EXTENT OF EXISTING CONSTRUCTION TO BE DEMOLISHED IN ITS ENTIRETY, REFER TO DEMOLITION FLOOR PLANS FOR ADDITIONAL INFORMATION
	EXISTING 22' ACoustICAL CEILING TO REMAIN
	EXISTING 24' ACoustICAL CEILING TO REMAIN
	EXISTING 22' ACoustICAL CEILING TO BE DEMOLISHED
	EXISTING 24' ACoustICAL CEILING TO BE DEMOLISHED
	EXISTING LIGHT FIXTURES TO REMAIN
	EXISTING LIGHT FIXTURES TO BE DEMOLISHED

FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN
 1/8" = 1'-0"



REVISIONS		
mark	date	description
1	08/20/2015	ADDENDUM #4

STATE OF CONNECTICUT
 DEPARTMENT OF ADMINISTRATIVE SERVICES
 DIVISION OF CONSTRUCTION SERVICES

drawing prepared by:
TECTON ARCHITECTS
 ONE HARTFORD SQUARE WEST
 HARTFORD, CT 06108

project:
 CAMPUS RENOVATIONS - ASNUNTUCK
 COMMUNITY TECHNICAL COLLEGE

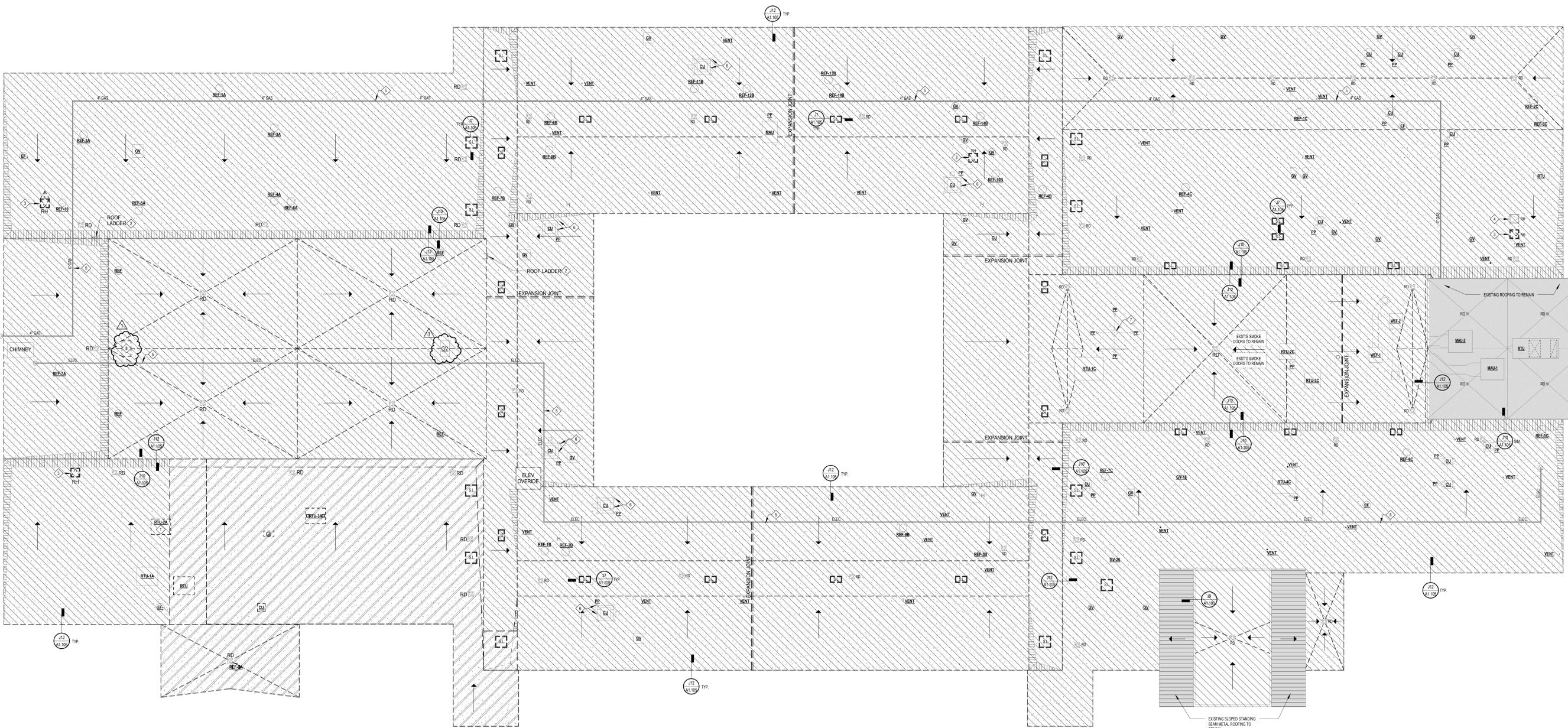
170 ELM STREET
 ENFIELD, CT

project number: BI-CTC-437

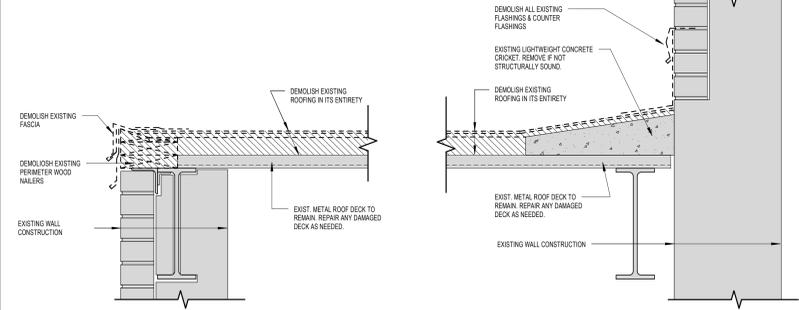
date: 04-27-2015
 scale: 1/8" = 1'-0"
 production leader: TRM
 project manager: KK
 project architect: TRM
 peer reviewer: H.L.
 drawing no. **A1.103**



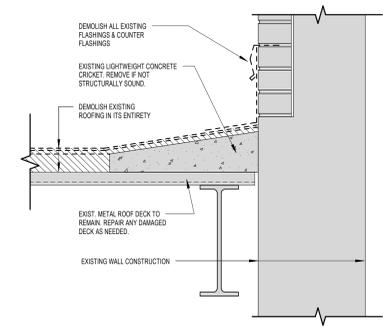
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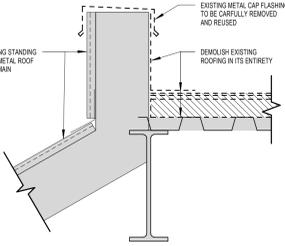
H12 ROOF DEMOLITION PLAN
1/16" = 1'-0"



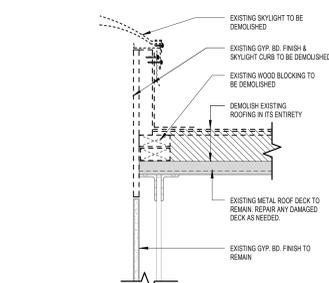
J12 ROOF DEMOLITION DETAIL
1 1/2" = 1'-0"



J10 ROOF DEMOLITION DETAIL
1 1/2" = 1'-0"

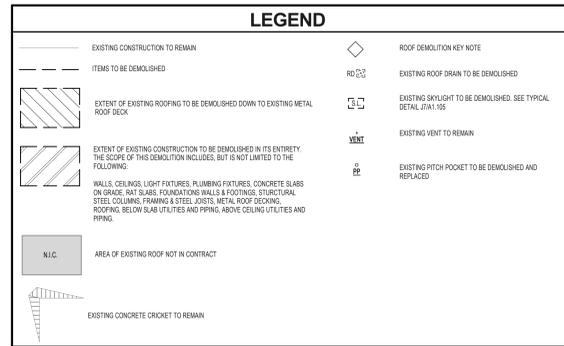


J9 ROOF DEMOLITION DETAIL
1 1/2" = 1'-0"



J7 SKYLIGHT DEMOLITION DETAIL
1 1/2" = 1'-0"

- GENERAL NOTES**
- UNLESS NOTED OTHERWISE, ALL EXISTING ROOFING, INCLUDING BUT NOT LIMITED TO ALL FLASHINGS, EXPANSION JOINTS, COUNTER FLASHINGS, EDGINGS, ETC. SHALL BE DEMOLISHED DOWN TO EXISTING METAL ROOF DECK.
 - REPLACE / REPAIR DAMAGED OR DISTURBED THROUGH EXISTING ROOF SECKING. GENERAL CONTRACTOR SHALL CARRY AN ALLOWANCE TO DEMOLISH & REPLACE 10% OF THE EXISTING ROOF DECK. REFER TO PROJECT SPECIFICATION FOR ADDITIONAL INFORMATION.
 - UNLESS NOTED OTHERWISE, DEMOLISH ALL EXISTING ROOF DRAINS & DRAIN BODIES.
 - MECHANICALLY CLEAN ALL EXISTING ROOF DRAIN LEADERS TO EXTERIOR STORM DRAIN.
 - PROTECT EXISTING ELECTRICAL CONDUITS, GAS LINES, ETC. ABOVE ROOF SURFACE. THESE SERVICES ARE TO REMAIN OPERATIONAL THROUGHOUT RE-ROOFING.
 - ALL EXISTING WOOD BLOCKING TO BE DEMOLISHED AND REPLACED WITH NEW PRESSURE TREATED WOOD BLOCKING. REFER TO ROOF CONSTRUCTION PLAN AND DETAILS.
 - EXISTING LIGHTWEIGHT CONCRETE CRICKETS TO REMAIN & BE RE-USED. GENERAL CONTRACTOR SHALL INSPECT CRICKETS AND REPAIR / REPLACE ANY SECTIONS THAT ARE NOT STRUCTURALLY SOUND & BONDED TO EXISTING DECK.
 - ALL EXISTING SKYLIGHTS TO BE DEMOLISHED.
 - ALL EXISTING MECHANICAL ROOF TOP EQUIPMENT TO BE TEMPORARILY REMOVED & EXISTING CURBS TO BE DEMOLISHED UNLESS NOTED OTHERWISE.
 - REFER TO PROJECT SPECIFICATION FOR ROOF TREE CUT LOCATION & REMAIN.



- ROOF DEMOLITION KEYNOTES**
- EXISTING RTU TO BE RELOCATED. COORDINATE WITH MEP DWGS
 - EXISTING ROOF ACCESS LADDER TO BE REMOVED AND REINSTALLED AFTER RE-ROOFING
 - EXISTING ROOF HATCH TO BE DEMOLISHED
 - EXISTING ROOF HATCH TO REMAIN
 - EXISTING ABOVE ROOF PIPE / CONDUIT TO REMAIN. RE-USE EXISTING PIPE SUPPORTS
 - EXISTING STEEL DRAINAGE TO REMAIN. EXISTING PITCH POCKETS TO BE DEMOLISHED & REPLACED
 - EXISTING ANTENNA TO REMAIN
 - EXISTING ROOF CURB TO BE DEMOLISHED AND ROOF OPENING INFILLED WITH METAL DECKING



REVISIONS		
mark	date	description
1	06/20/2015	ADDENDUM #4

drawing title: **ROOF DEMOLITION PLAN**

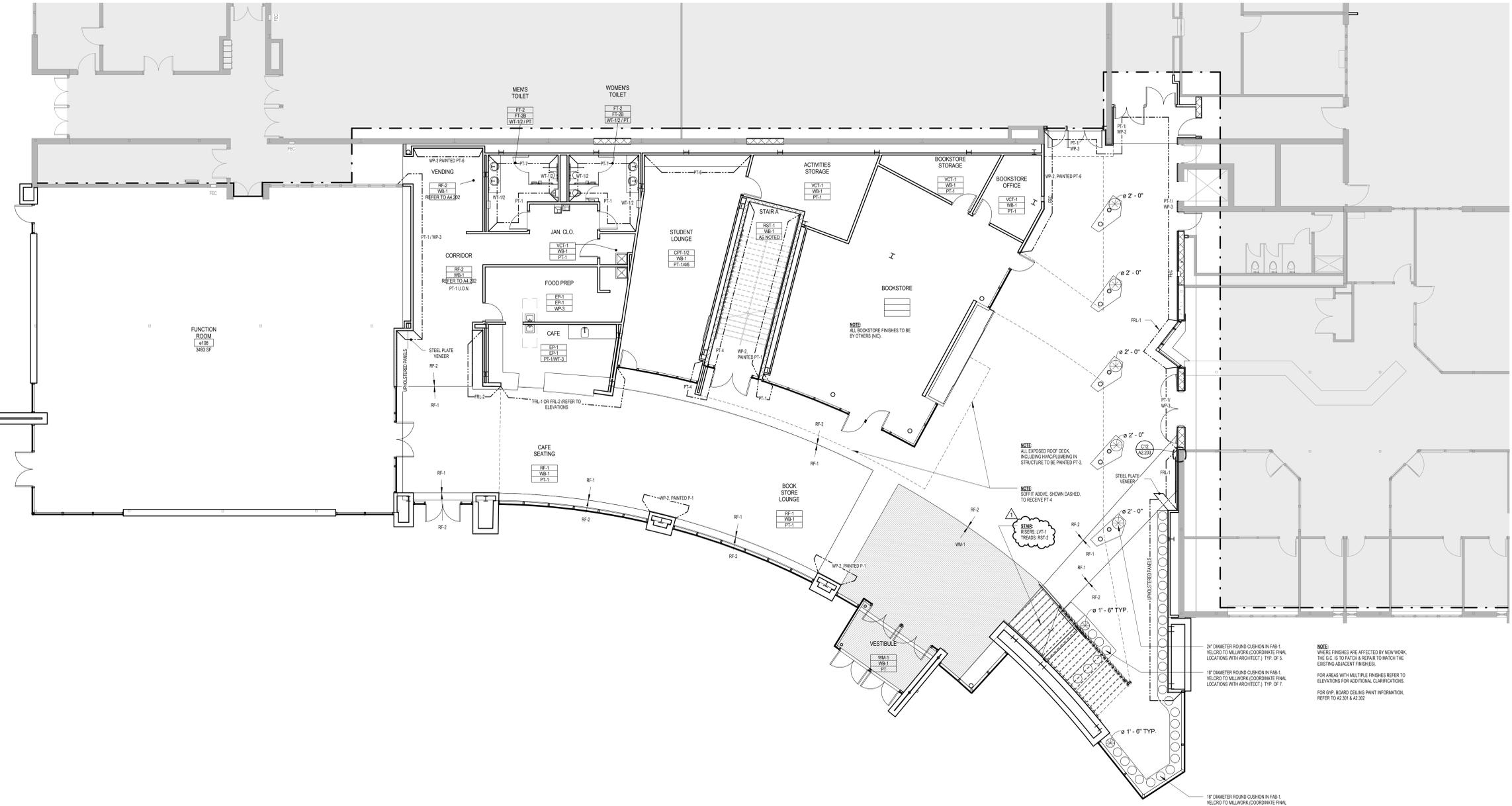
STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF CONSTRUCTION SERVICES

drawing prepared by: **TECTON ARCHITECTS**
ONE HARTFORD SQUARE WEST
HARTFORD, CT 06108

date: 04-27-2015
scale: As Indicated
production leader: TRM
project manager: KK
project architect: TRM
peer reviewer: H.L.
drawing no.: **A1.105**

project: **CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE**
170 ELM STREET
ENFIELD, CT
project number: BI-CTC-437

8/20/2015 9:55:52 AM C:\Users\Tim\Documents\Arch_Central_Emp_Architects\CT78a_Tim.rvt



FIRST FLOOR FINISH PLAN
 1/8" = 1'-0"

FINISH PLAN LEGEND

ROOM NAME	ROOM NUMBER	FLOORING MATERIAL	FINISH SCHEDULE
CPY		FLOORING MATERIAL	FINISH SCHEDULE INFORMATION IS LOCATED ON FINISH PLAN BY ROOM IN THIS FORMAT
WB		WALL BASE MATERIAL	
PT		WALL FINISH MATERIAL	
			FLOORING TRANSITION

REVISIONS		
mark	date	description
1	08/20/2015	ADDENDUM #4

STATE OF CONNECTICUT
 DEPARTMENT OF ADMINISTRATIVE SERVICES
 DIVISION OF CONSTRUCTION SERVICES

drawing prepared by: **TECTON ARCHITECTS**
 ONE HARTFORD SQUARE WEST
 HARTFORD, CT 06108

project: **CAMPUS RENOVATIONS - ASNUNTEC**
 COMMUNITY TECHNICAL COLLEGE

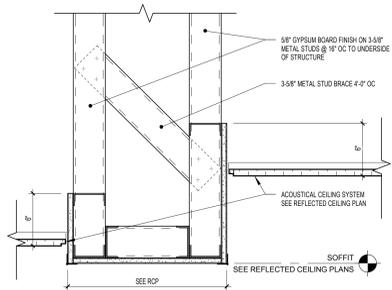
170 ELM STREET
 ENFIELD, CT

project number: BI-CTC-437

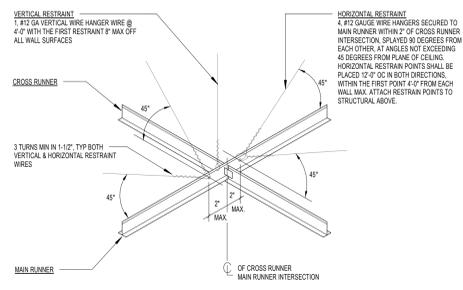
date: 04-27-2015
 scale: As Indicated
 production leader: TRM
 project manager: KK
 project architect: TRM
 peer reviewer: H.L.
 drawing no.: **A2.201**



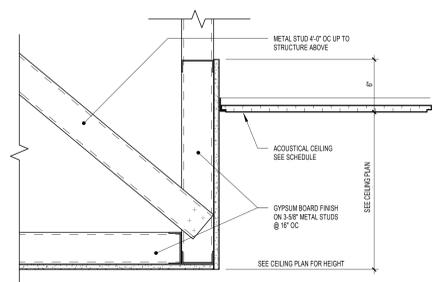
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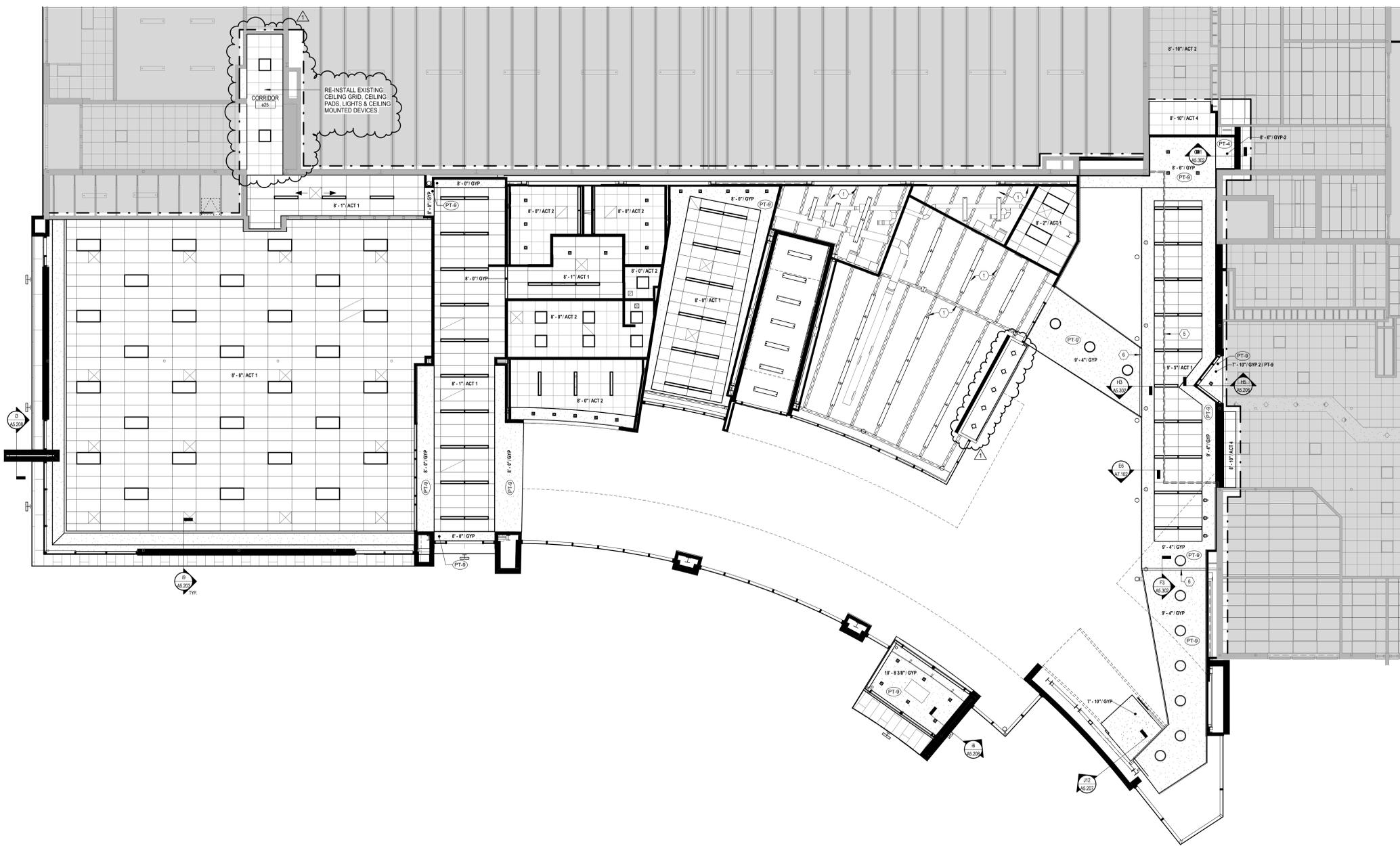
C12 GYP BD SOFFIT
1 1/2" = 1'-0"



E12 CEILING SEISMIC RESTRAINT DETAIL
1 1/2" = 1'-0"



G12 SOFFIT DETAIL (TYP)
1 1/2" = 1'-0"



H10 FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

REFLECTED CEILING PLAN KEYNOTES	
1	EXPOSED STRUCTURE ABOVE WITH PAINTED FINISH
2	PENDANT LIGHT FIXTURES: TYP
3	ACOUSTICAL CLOUD: CEILING OPEN TO STRUCTURE ABOVE. SPRINKLERS TO BE DROPPED THROUGH ACOUSTICAL CLOUDS AS WELL AS PROVIDED ABOVE/BETWEEN AS REQUIRED PER FIRE PROTECTION DRAWINGS.
4	1 HOUR RATED SHAFT WALL CEILING
5	TEMPORARY 1 HOUR RATED PARTITION
6	EXPANSION JOINT

LEGEND	
	CEILING TAG
	CEILING TYPE
	CEILING HEIGHT
	EXPANSION JOINT
	ACT 1 NEW 24" x 48" ACOUSTICAL CEILING
	ACT 2 NEW 24" x 36" ACOUSTICAL CEILING
	ACT 3 EXISTING 24" x 48" ACOUSTICAL CEILING
	NO CEILING / EXPOSED STRUCTURE
	GYP NON RATED GYPSUM BOARD CEILING
	GYP 2 TYPICAL RATED SHAFT WALL CEILING DESIGN # WH 000211
	RECESSED 24x48 FLUORESCENT LIGHT FIXTURE
	RECESSED 24x24 FLUORESCENT LIGHT FIXTURE
	SURFACE MOUNTED 14x14 FLUORESCENT LIGHT FIXTURE
	SUSPENDED LINEAR PENDANT LIGHT FIXTURE
	WALL MOUNTED EXTERIOR LIGHT FIXTURE
	RECESSED DOWN LIGHT
	PENDANT LIGHT
	SUPPLY & RETURN DIFFUSERS: SEE MEP DRAWINGS

GENERAL NOTES - CEILING	
1.	ALL CEILING THIS FLOOR ARE TYPE ACT-1 UNLESS OTHERWISE NOTED ON PLAN. SEE SCHEDULES FOR FINISH PRODUCTS AND TYPES.
2.	SEE WALL TYPES FOR INDICATION WHERE WALLS PENETRATE CEILING GRIDS.
3.	UNLESS SPECIFICALLY NOTED OTHERWISE, ALL CEILING GRIDS & LIGHTING SHALL BE CENTERED, WITH BALANCED CUTS.
4.	ALL CEILING ITEMS ARE TO BE CENTERED IN 24, 36 OR IMPLIED 24" CEILING TILE, WHOEVER APPLIES THIS PLAN IS INTENDED FOR COORDINATION & LOCATION PURPOSES ONLY. SEE MEP FOR SPECIFIC CLOUD MOUNTED ITEMS.
5.	REFER TO DETAILS FOR CEILING SEISMIC RESTRAINT DETAIL.
6.	AT AREAS OF NEW CONSTRUCTION WHERE THE EXISTING CEILING IS TO REMAIN, THE CONTRACTOR WILL BE RESPONSIBLE FOR PATCHING & REPAIRING THE EXISTING CEILING AS NECESSARY.
7.	ALL EXPOSED STRUCTURE, DUCKING, DUCTWORK, CONDUIT & PIPING SHALL BE PAINTED. COLOR TO BE DETERMINED BY ARCHITECT.

drawing title
FIRST FLOOR REFLECTED CEILING PLAN

REVISIONS		
mark	date	description
1	08/20/2015	ADDENDUM #4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF CONSTRUCTION SERVICES

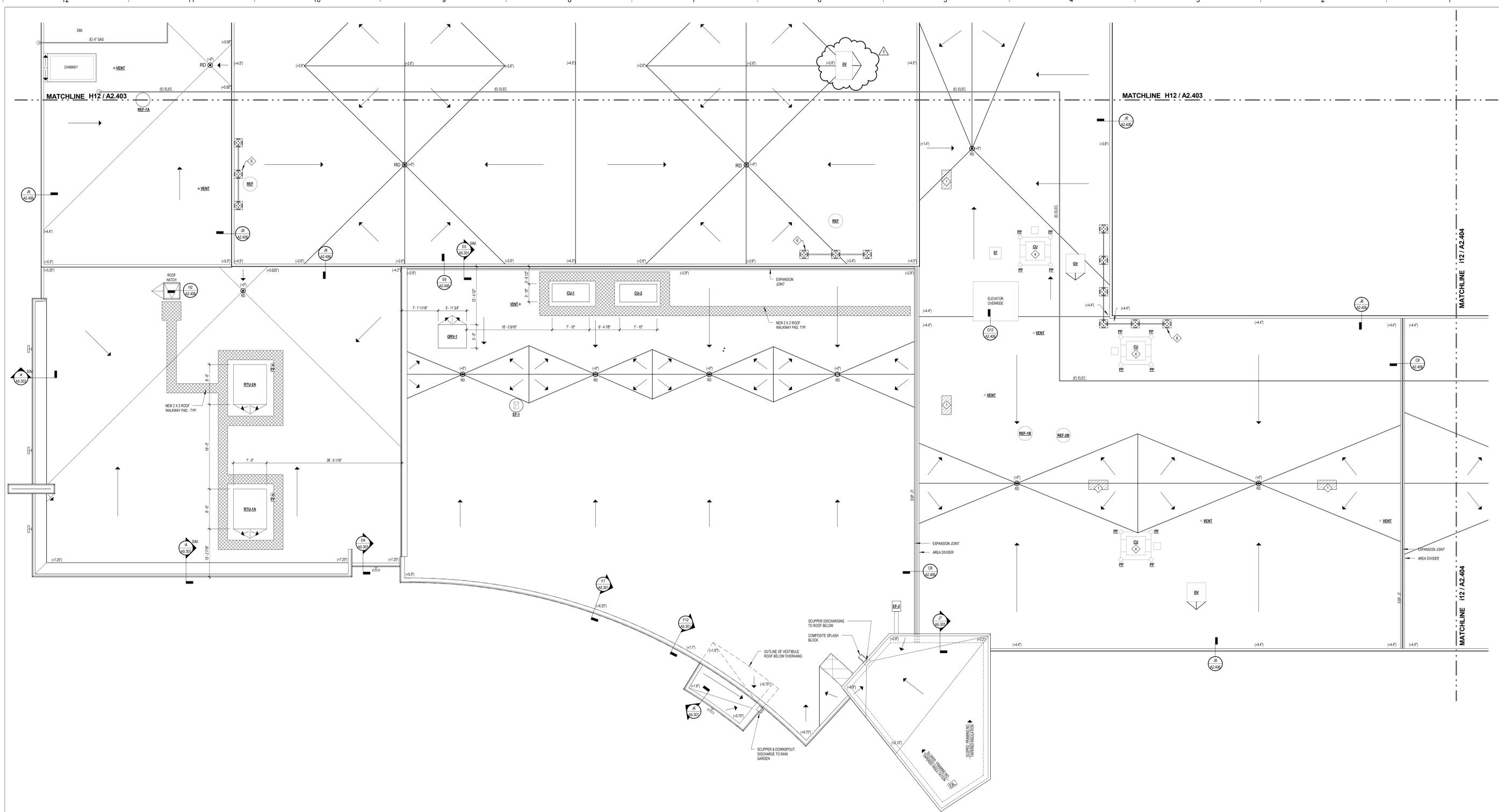
TECTON ARCHITECTS
ONE HARTFORD SQUARE WEST
HARTFORD, CT 06108

project
CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE

170 ELM STREET
ENFIELD, CT

project number: BI-CTC-437

date: 04-27-2015
scale: As Indicated
production leader: TRM
project manager: KK
project architect: TRM
peer reviewer: H.L.
drawing no.: **A2.301**



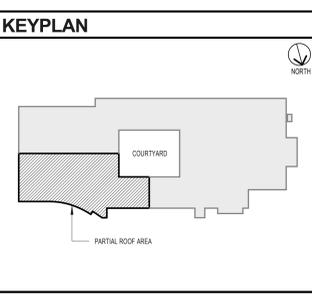
H12 PARTIAL ROOF PLAN - NORTHEAST
1/8" = 1'-0"

ROOF KEYNOTES	
1	EXISTING 2'-0" X 4'-0" SKYLIGHT OPENING TO BE INFILLED. REFER TO TYPICAL DETAIL.
2	EXISTING 4'-0" X 4'-0" SKYLIGHT OPENING TO BE INFILLED. REFER TO TYPICAL DETAIL.
3	RE-INSTALL EXISTING ROOF LEADER.
4	CONDENSING UNIT & EXISTING DRAINAGE STEEL TO REMAIN. PAINT EXISTING DRAINAGE STEEL.
5	EXISTING ANTENNA.
6	COLLAPSIBLE ROOFTOP GUARDRAIL SYSTEM WITH PROTECTION PADS.

GENERAL NOTES

- EXCEPT WHERE INDICATED OTHERWISE ON ROOF DECK PLAN, J204.201 ALL EXISTING STEEL AND EXISTING METAL DECKING IS SLOPED. THE EXISTING SLOPE VARIES FROM APPROXIMATELY 1/8" PER FOOT TO 3/32" PER FOOT. ROOFING CONTRACTOR SHALL ADD 1/8" THICK BASE LAYER OF INSULATION AND TAPERED INSULATION PER DETAIL HS42.406 TO MAINTAIN A MINIMUM ROOF SLOPE OF 1/8" PER FOOT.
- REFER TO DRAWING A2-408 FOR TYPICAL ROOF DETAILS.
- MECHANICALLY CLEAN ALL EXISTING ROOF LEADERS TO EXTERIOR STORM DRAIN.
- PROTECT EXISTING ELECTRICAL CONDUITS, GAS LINES, ETC ABOVE ROOF SURFACE. THESE SERVICES ARE TO REMAIN OPERATIONAL THROUGHOUT RE-ROOFING.
- ALL NEW WOOD BLOCKING SHALL BE PRESSURE TREATED.
- EXISTING LIGHTWEIGHT CONCRETE CRICKETS TO REMAIN & BE RE-USED. GENERAL CONTRACTOR SHALL INSPECT CRICKETS AND REPAIR / REPLACE ANY SECTIONS THAT ARE NOT STRUCTURALLY SOUND.

ROOF LEGEND	
	KEYNOTE SYMBOL (+4.5')
	DEPTH OF TAPERED INSULATION DIRECTION OF ROOF SLOPE MAINTAIN 1/8TH PER FOOT MINIMUM PITCH
	ROOF DRAIN. SEE TYPICAL DETAIL HS42.406
	ROOF HATCH. SEE TYPICAL DETAIL HS42.406
	2 X 2 FT WALKING PAD. SEE TYPICAL DETAIL D10A2.406
	EXISTING SKYLIGHT OPENING TO BE INFILLED. SEE TYPICAL DETAIL CS42.406
	KEYNOTE SYMBOL ROOF PENETRATING VENT OR PIPE. SEE TYPICAL DETAIL CS42.406
	CONDENSING UNIT SET ON COMPOSITE EQUIPMENT SAILS
	CONDENSING UNIT SET ON EXISTING STEEL DRAINAGE
	EXHAUST FANS. SEE TYPICAL DETAIL HS42.406
	ROOF TOP UNIT. SEE TYPICAL DETAILS HS42.406
	GRAVITY VENT. SEE TYPICAL DETAIL HS42.406
	TAPERED INSULATION ROOF CRICKET
	COLLAPSIBLE ROOFTOP GUARDRAIL SYSTEM WITH PROTECTION PADS



drawing title: PARTIAL ROOF PLAN - NORTH EAST

mark	date	description
1	08/20/2015	ADDENDUM #4



STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF CONSTRUCTION SERVICES

drawing prepared by: TECTON ARCHITECTS
ONE HARTFORD SQUARE WEST
HARTFORD, CT 06108

project: CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE
170 ELM STREET
ENFIELD, CT

project number: BI-CTC-437

date: 04-27-2015
scale: As Indicated
production leader: TRM
project manager: KK
project architect: TRM
peer reviewer: H.L.
drawing no: A2.402

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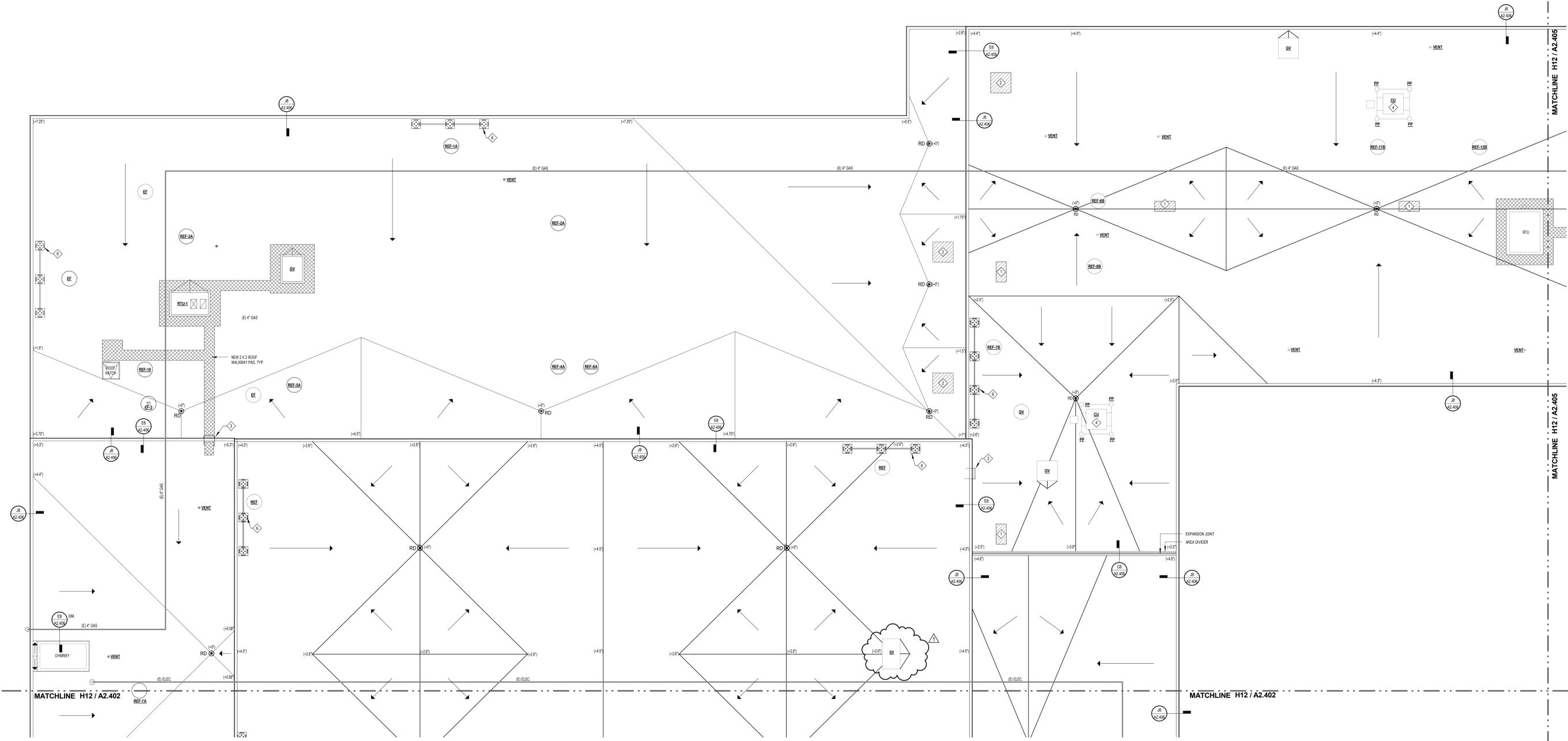
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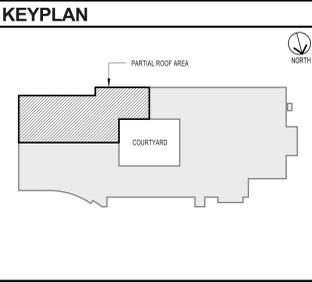


H12 PARTIAL ROOF PLAN - SOUTH EAST
 1/8" = 1'-0"

ROOF KEYNOTES	
1	EXISTING 2'0" X 4'0" SKYLIGHT OPENING TO BE INFILLED. REFER TO TYPICAL DETAIL.
2	EXISTING 4'0" X 4'0" SKYLIGHT OPENING TO BE INFILLED. REFER TO TYPICAL DETAIL.
3	RE-INSTALL EXISTING ROOF LADDER.
4	CONDENSING UNIT & EXISTING DRAINAGE STEEL TO REMAIN. PAINT EXISTING DRAINAGE STEEL.
5	EXISTING ANTENNA.
6	COLLAPSABLE ROOFTOP GUARERRAIL SYSTEM WITH PROTECTION PADS.

GENERAL NOTES	
1	EXCEPT WHERE INDICATED OTHERWISE ON ROOF DECK PLAN J2344.201 ALL EXISTING STEEL AND EXISTING METAL DECKING IS SLOPED. THE EXISTING SLOPE VARIES FROM APPROXIMATELY 1/8" PER FOOT TO 3/32" PER FOOT. ROOFING CONTRACTOR SHALL ADD 1/2" THICK BASE LAYER OF INSULATION AND TAPERED INSULATION PER DETAIL EA242.405 TO MAINTAIN A MINIMUM ROOF SLOPE OF 1/8" PER FOOT.
2	REFER TO DRAWING A2-406 FOR TYPICAL ROOF DETAILS.
3	MECHANICALLY CLEAN ALL EXISTING ROOF DRAIN LEADERS TO EXTERIOR STORM DRAIN.
4	PROTECT EXISTING ELECTRICAL CONDUITS, GAS LINES, ETC ABOVE ROOF SURFACE. THESE SERVICES ARE TO REMAIN OPERATIONAL THROUGHOUT RE-ROOFING.
5	ALL NEW WOOD BLOCKING SHALL BE PRESSURE TREATED.
6	EXISTING LIGHTWEIGHT CONCRETE CRICKETS TO REMAIN & BE RE-USED. GENERAL CONTRACTOR SHALL INSPECT CRICKETS AND REPAIR / REPLACE ANY SECTIONS THAT ARE NOT STRUCTURALLY SOUND.

ROOF LEGEND	
	KEYNOTE SYMBOL
	DEPTH OF TAPERED INSULATION
	DIRECTION OF ROOF SLOPE MAINTAIN 1/8TH PER FOOT MINIMUM PITCH
	ROOF DRAIN. SEE TYPICAL DETAIL HS42.406
	ROOF HATCH. SEE TYPICAL DETAIL HS42.406
	2 X 2 FT WALKING PAD. SEE TYPICAL DETAIL D10A2.405
	EXISTING SKYLIGHT OPENING TO BE INFILLED. SEE TYPICAL DETAIL CS242.405
	ROOF PENETRATING VENT OR PIPE. SEE TYPICAL DETAIL CS242.405
	CONDENSING UNIT SET ON COMPOSITE EQUIPMENT RAILE
	CONDENSING UNIT SET ON EXISTING STEEL DRAINAGE
	EXHAUST FANS. SEE TYPICAL DETAIL HS42.406
	ROOF TOP UNIT. SEE TYPICAL DETAILS HS42.406
	GRAVITY VENT. SEE TYPICAL DETAIL HS42.406
	TAPERED INSULATION ROOF CRICKET
	COLLAPSABLE ROOFTOP GUARERRAIL SYSTEM WITH PROTECTION PADS



REVISIONS		
mark	date	description
1	06/02/2015	ADDENDUM #4

STATE OF CONNECTICUT
 DEPARTMENT OF ADMINISTRATIVE SERVICES
 DIVISION OF CONSTRUCTION SERVICES

drawing prepared by:
TECTON ARCHITECTS
 ONE HARTFORD SQUARE WEST
 HARTFORD, CT 06108

project:
 CAMPUS RENOVATIONS - ASHUNTUCK
 COMMUNITY TECHNICAL COLLEGE

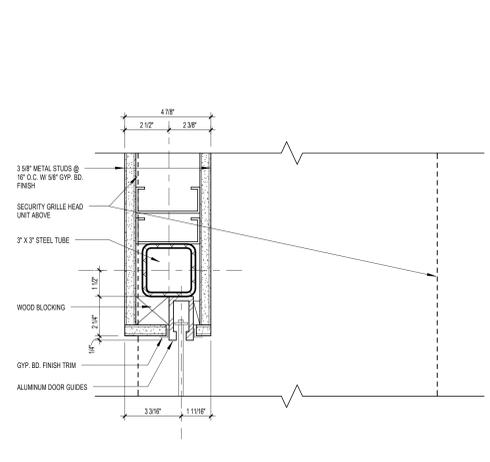
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 ENFIELD, CT

project number: BI-CTC-437

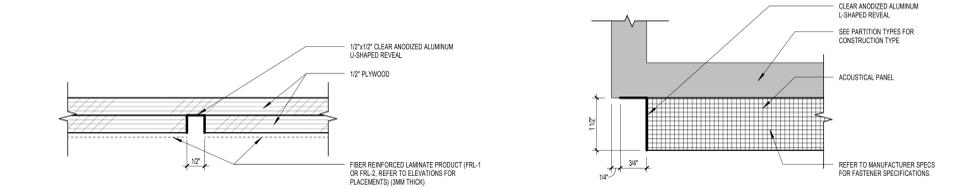
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 production leader: TRM
 project manager: KK
 project architect: TRM
 peer reviewer: H.L.
 drawing no: **A2.403**



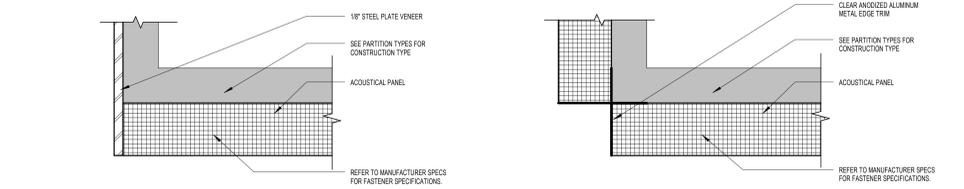
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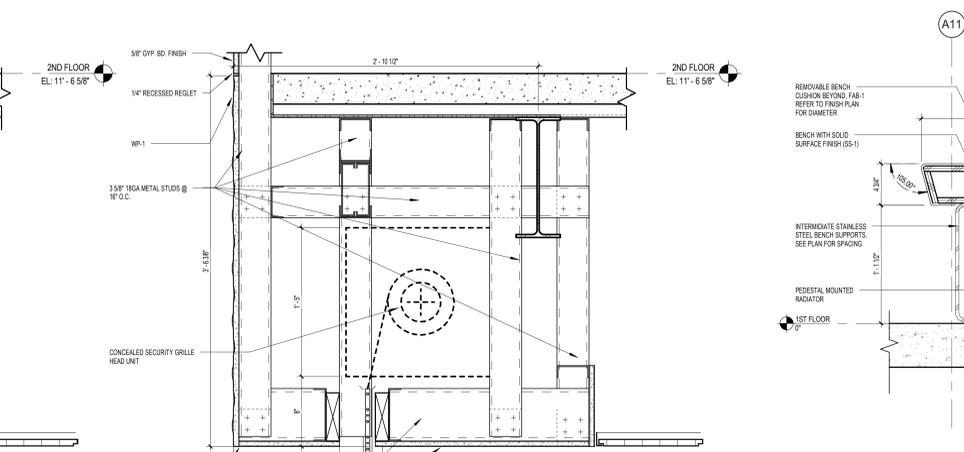
C12 SECURITY GRILL JAMB DETAIL
3" = 1'-0"



B10 FIBER REINFORCED LAMINATE DETAIL
6" = 1'-0"



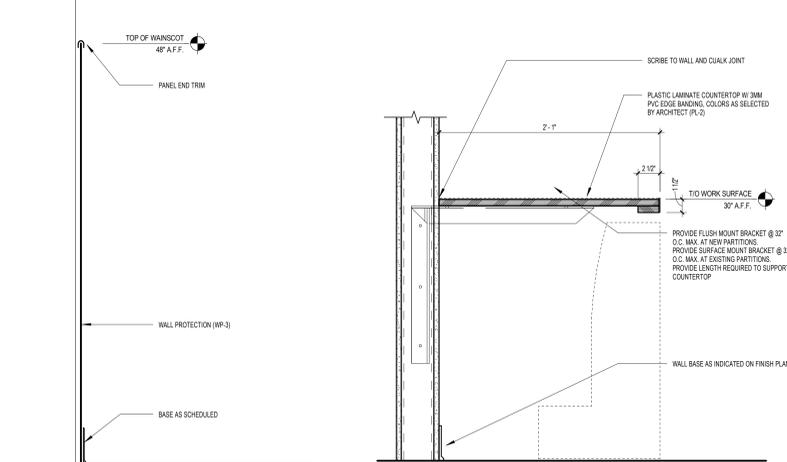
B8 ACOUSTICAL PANEL END DETAIL
6" = 1'-0"



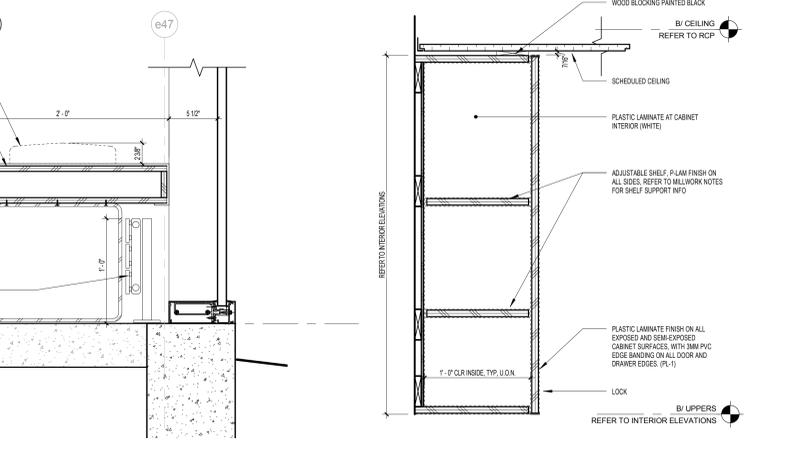
C10 ACOUSTICAL PANEL END DETAIL 2
6" = 1'-0"



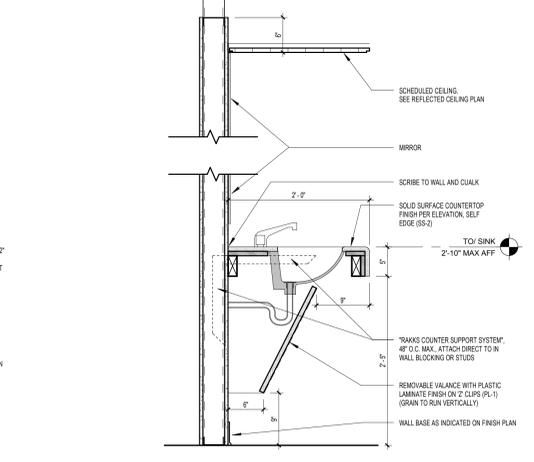
C8 ACOUSTICAL PANEL END DETAIL 3
6" = 1'-0"



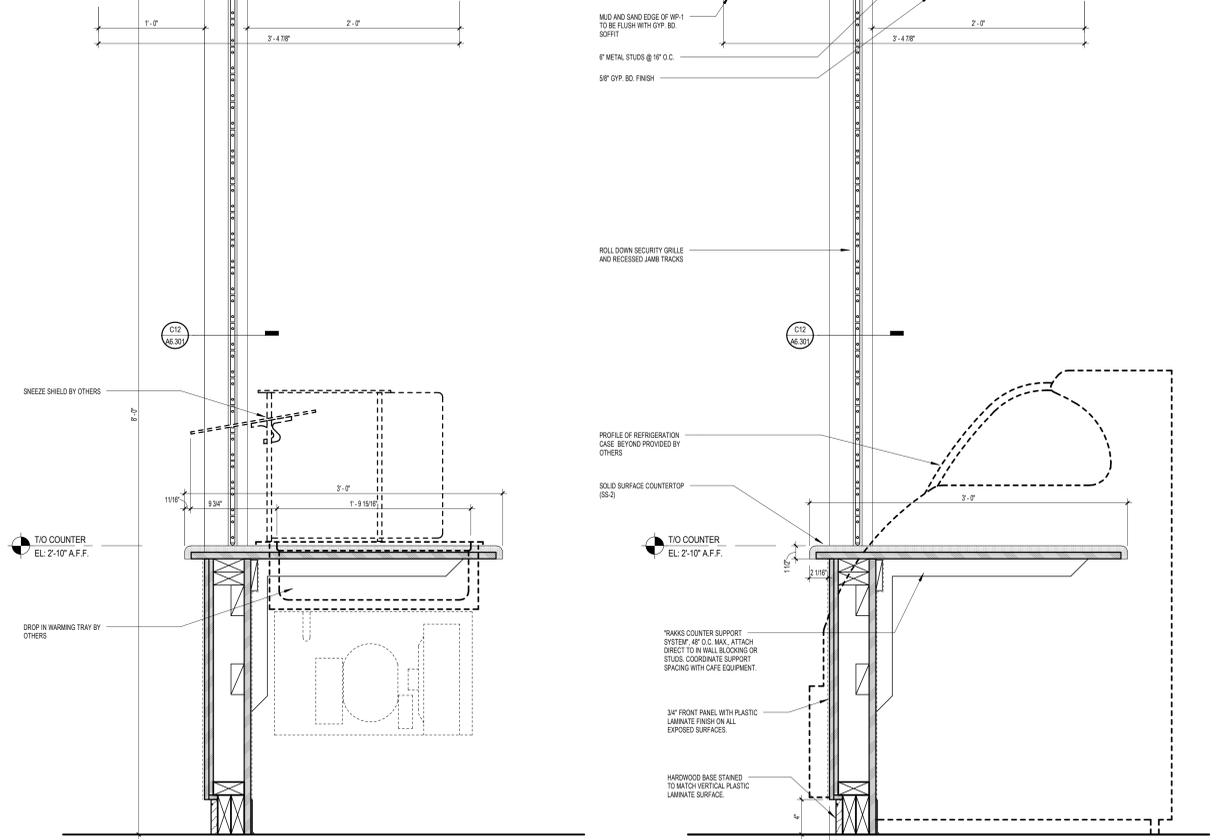
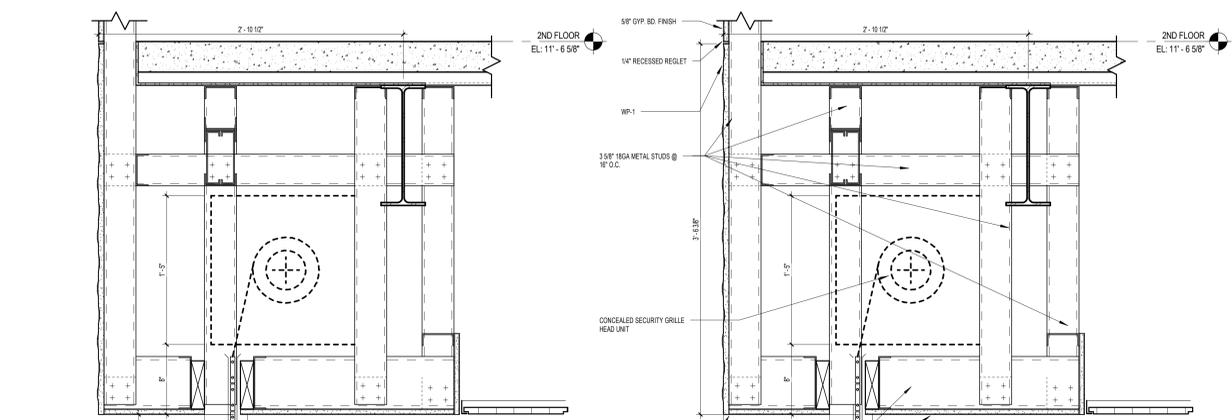
C6 WALL PANEL DETAIL
1 1/2" = 1'-0"



C4 TYP. WORK SURFACE DETAIL
1 1/2" = 1'-0"

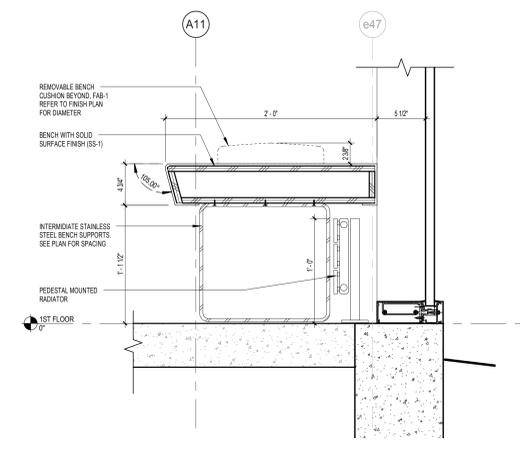


C2 VANITY SECTION
1" = 1'-0"

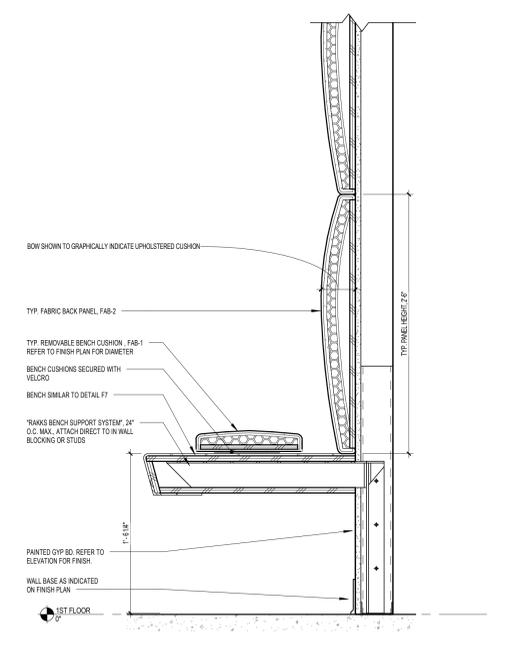


CONDITION AT WARMING TRAY
CONDITION AT TYPICAL SERVING COUNTER

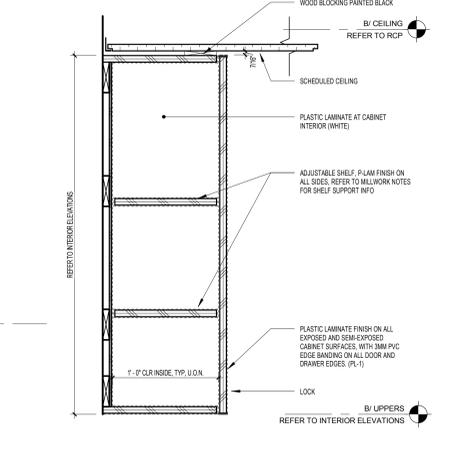
J12 SECURITY GRILL & COUNTER DETAILS
1 1/2" = 1'-0"



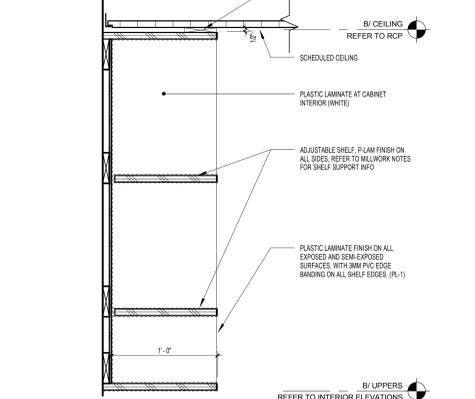
F7 BENCH DETAIL @ CURTAIN WALL
1 1/2" = 1'-0"



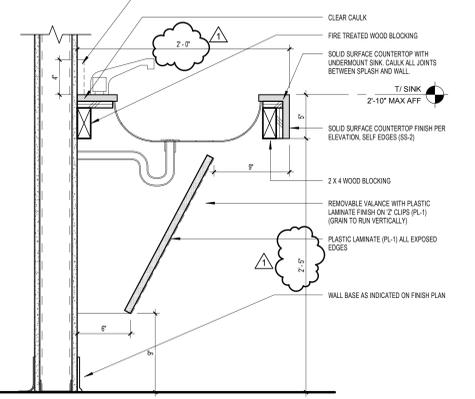
I7 TYPICAL BENCH DETAIL
1 1/2" = 1'-0"



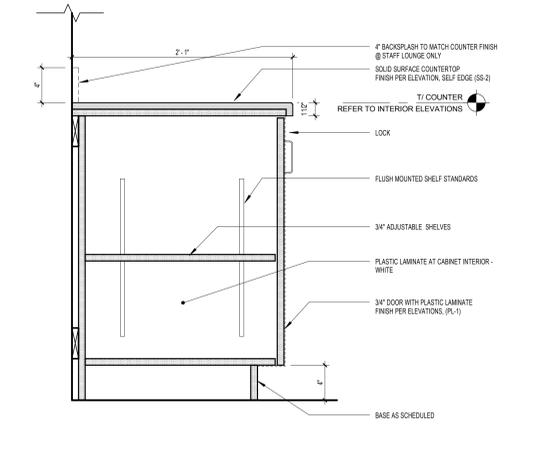
F4 UPPER CABINET SECTION
1 1/2" = 1'-0"



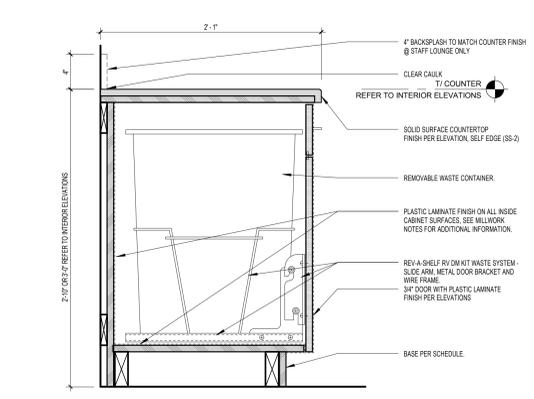
H4 UPPER OPEN SHELF SECTION
1 1/2" = 1'-0"



J5 LOWER CABINET SECTION AT SINK
1 1/2" = 1'-0"



F3 LOWER CABINET SECTION
1 1/2" = 1'-0"

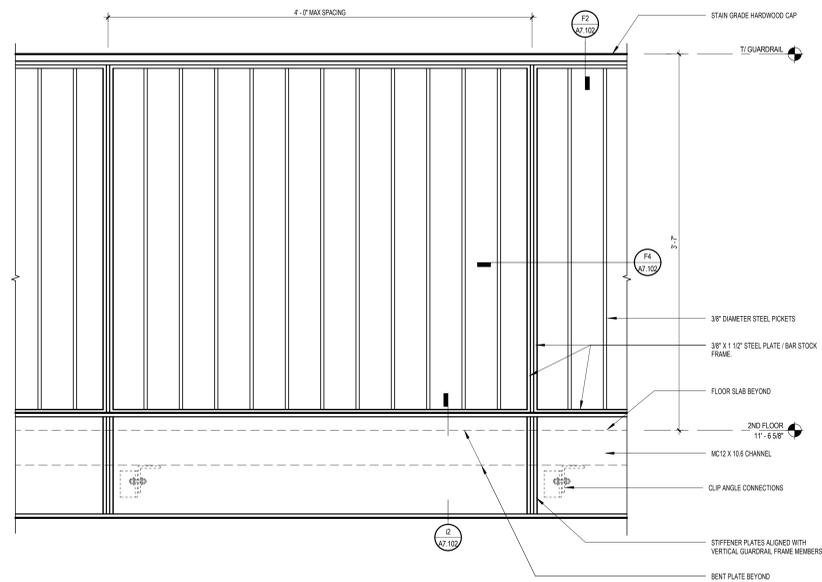


H3 LOWER WASTE DRAWER SECTION
1 1/2" = 1'-0"

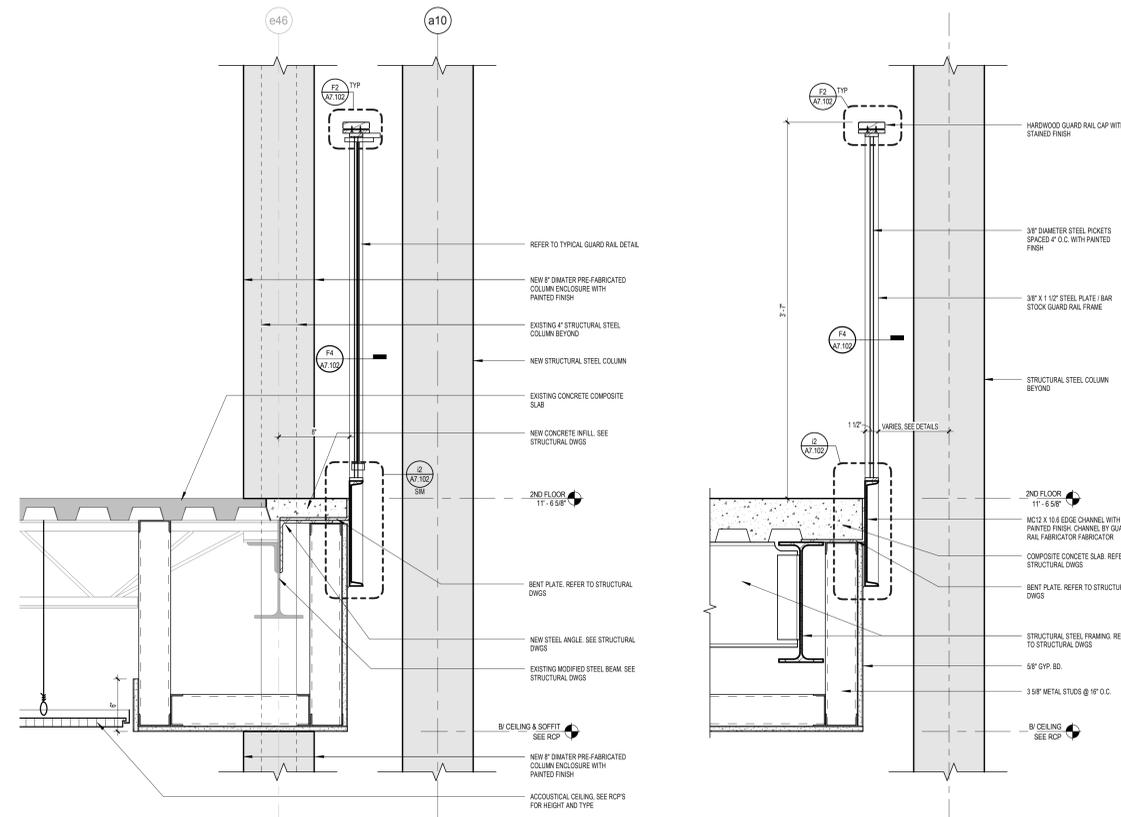
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mark	date	description	MILLWORK	
1	06/20/2015	ADDED IN #4		

STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES		drawing prepared by: TECTON ARCHITECTS ONE HARTFORD SQUARE WEST HARTFORD, CT 06108		date: 04-27-2015
project: CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE		drawing no.:		scale: As Indicated
170 ELM STREET ENFIELD, CT		project manager: KK		production leader: TRM
project number: BI-CYC-437		project architect: TRM		peer reviewer: H.L.
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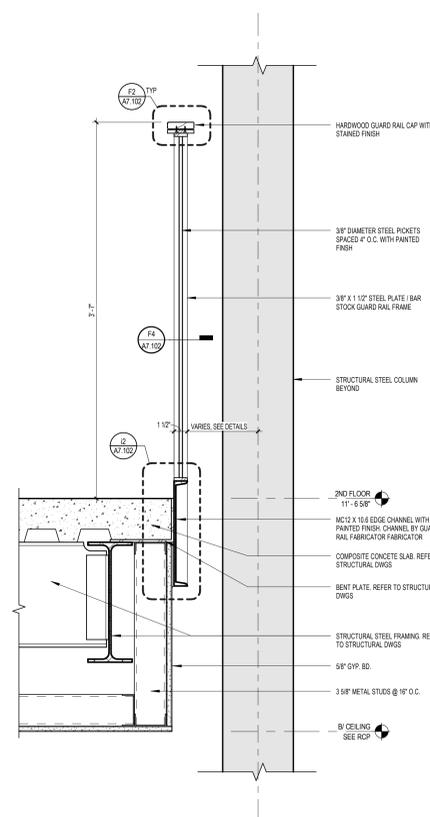




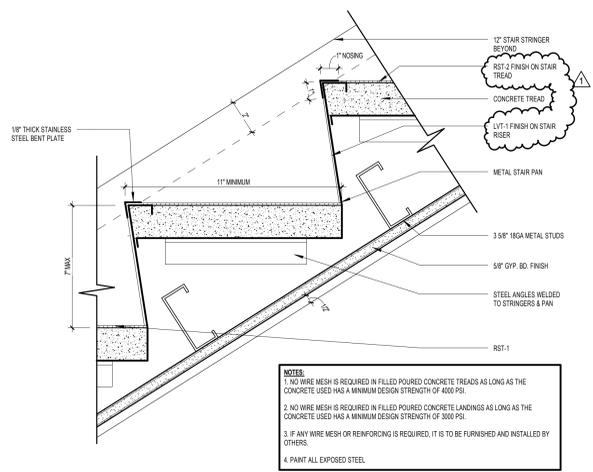
D9 GUARD RAIL ENLARGED ELEVATION
1 1/2" = 1'-0"



E6 GUARDRAIL DETAIL @ EXISTING 2ND FLOOR
1 1/2" = 1'-0"

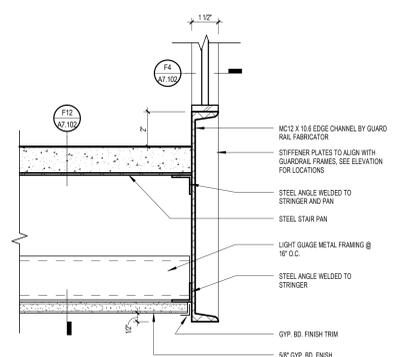


E3 TYPICAL GUARD RAIL / FLOOR EDGE DETAIL
1 1/2" = 1'-0"

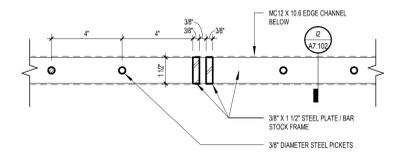


F12 TREAD AND RISER @ MONUMENTAL STAIR
3" = 1'-0"

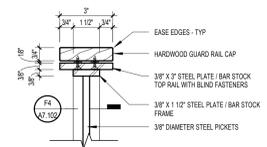
NOTES:
1. NO WIRE MESH IS REQUIRED IN FILLED POURED CONCRETE TREADS AS LONG AS THE CONCRETE USED HAS A MINIMUM DESIGN STRENGTH OF 4000 PSI.
2. NO WIRE MESH IS REQUIRED IN FILLED POURED CONCRETE LANDINGS AS LONG AS THE CONCRETE USED HAS A MINIMUM DESIGN STRENGTH OF 3000 PSI.
3. IF ANY WIRE MESH OR REINFORCING IS REQUIRED, IT IS TO BE FURNISHED AND INSTALLED BY OTHERS.
4. PAINT ALL EXPOSED STEEL.



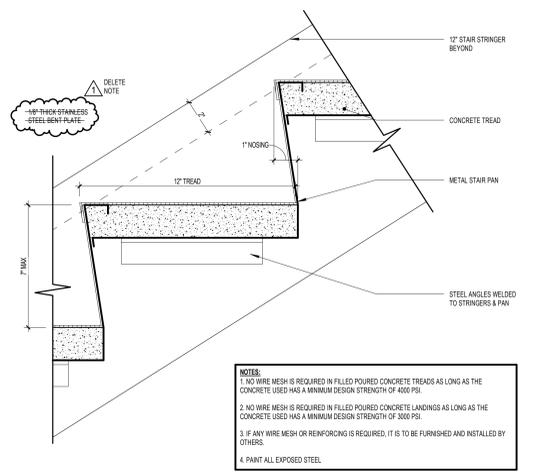
F9 STAIR STRINGER SECTION @ MONUMENTAL STAIR
3" = 1'-0"



F4 GUARD RAIL PLAN DETAIL
3" = 1'-0"

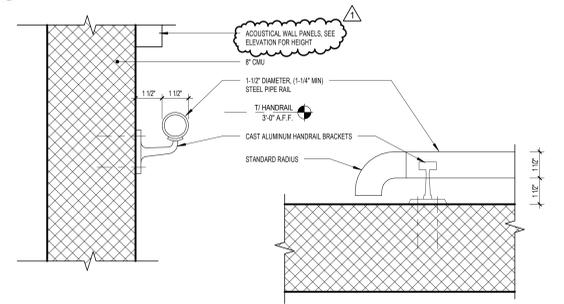


F2 GAURDRAIL CAP DETAIL
3" = 1'-0"

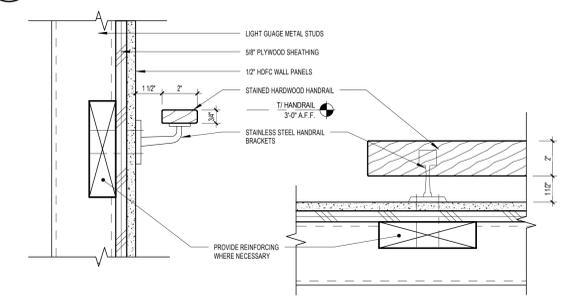


J12 TREAD AND RISER @ EGRESS STAIR
3" = 1'-0"

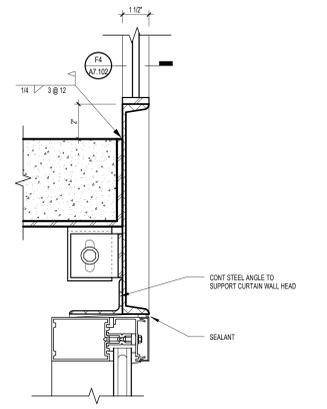
NOTES:
1. NO WIRE MESH IS REQUIRED IN FILLED POURED CONCRETE TREADS AS LONG AS THE CONCRETE USED HAS A MINIMUM DESIGN STRENGTH OF 4000 PSI.
2. NO WIRE MESH IS REQUIRED IN FILLED POURED CONCRETE LANDINGS AS LONG AS THE CONCRETE USED HAS A MINIMUM DESIGN STRENGTH OF 3000 PSI.
3. IF ANY WIRE MESH OR REINFORCING IS REQUIRED, IT IS TO BE FURNISHED AND INSTALLED BY OTHERS.
4. PAINT ALL EXPOSED STEEL.



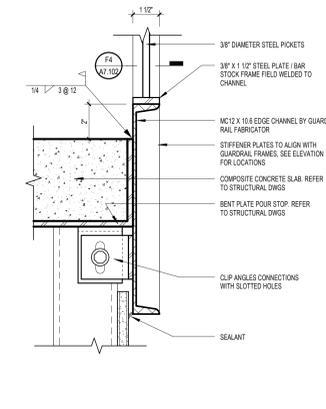
H9 HANDRAIL MOUNTING DETAIL @ CMU
3" = 1'-0"



J9 HANDRAIL MOUNTING DETAIL @ MONUMENTAL STAIR
3" = 1'-0"



I4 GUARD RAIL BASE DETAIL ABOVE CURTAIN WALL
3" = 1'-0"

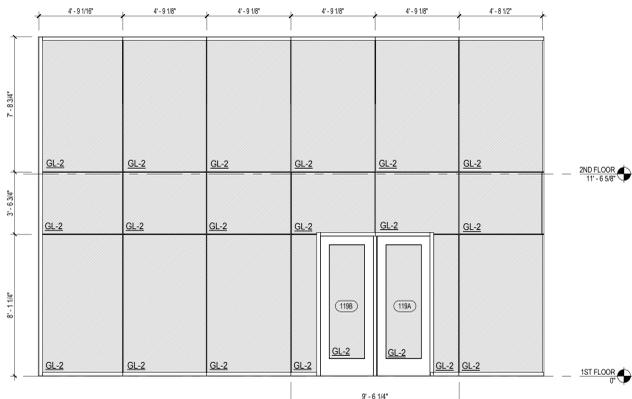


I2 GUARD RAIL BASE DETAIL
3" = 1'-0"

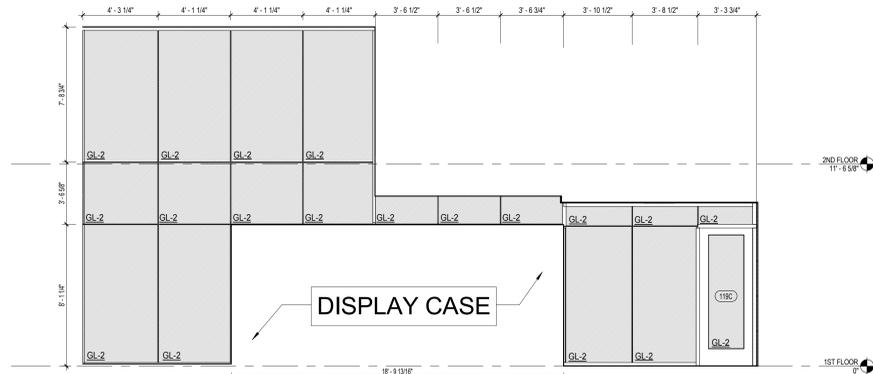
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			As indicated		scale:	
			TRM		As indicated	
			TRM		production leader:	
			TRM		TRM	
			TRM		project manager:	
			TRM		KK	
			TRM		project architect:	
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			TRM		A7.102	



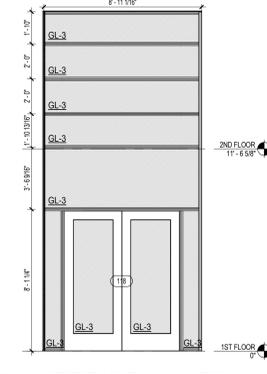
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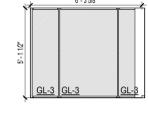
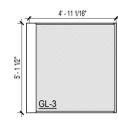
C12 INTERIOR GLAZING @ BKSTR ENTRY
1/4" = 1'-0"



C9 INTERIOR GLAZING @ BKSTR
1/4" = 1'-0"

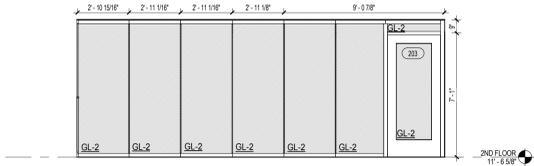


C5 INTERIOR GLAZING @ STAIR
1/4" = 1'-0"

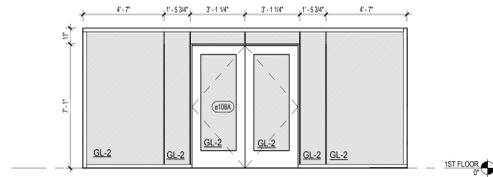


C3 SECURITY DESK SW
1/4" = 1'-0"

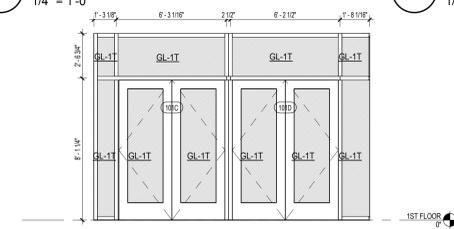
C2 SECURITY DESK NW
1/4" = 1'-0"



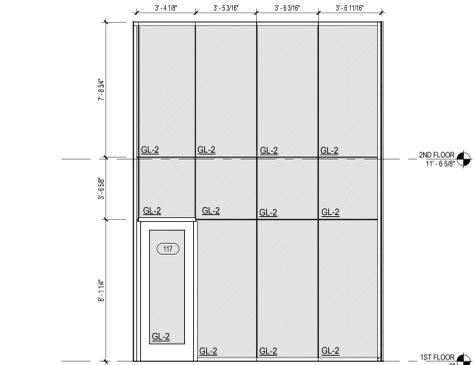
D12 INTERIOR GLAZING @ CONFERENCE
1/4" = 1'-0"



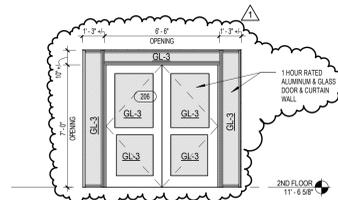
D9 INTERIOR GLAZING @ MEETING SPACE ENTRY
1/4" = 1'-0"



D5 VESTIBULE CURTAIN WALL
1/4" = 1'-0"



F12 INTERIOR GLAZING @ STUDENT LOUNGE
1/4" = 1'-0"



F9 T.O. EGRESS STAIR
1/4" = 1'-0"



J12 CURTAIN WALL ELEVATION KEY PLAN FIRST FLOOR
3/64" = 1'-0"



J8 CURTAIN WALL ELEVATION KEY PLAN SECOND FLOOR
3/64" = 1'-0"

GLASS TYPE LEGEND		
GL-1T	1" INSULATED TEMPERED GLASS	
GL-2	1/2" TEMPERED & LAMINATED GLASS	
GL-3	1 HOUR FIRE RATED GLASS	
GL-4	1" INSULATED SPANDREL GLASS	

WINDOW SCHEDULE, DETAILS & INTERIOR WINDOW ELEVATIONS		
REVISIONS		
mark	date	description
1	08/20/2015	ADDENDUM #4



STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF CONSTRUCTION SERVICES

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date:
04-27-2015

scale:
As Indicated

production leader:
TRM

project manager:
KK

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TRM

peer reviewer:
H.L.

drawing no.
A8.202

DISTRIBUTION PANEL: HDM-1A												
LOCATION: CORRIDOR EA202				VOLTAGE: 480/277 Wye				AISC RATING: 30K				
SUPPLY FROM: SWBD				PHASES: 3				MAINS TYPE: MCB				
MOUNTING: SURFACE				WIRES: 4				MAINS RATING: 400 A				
ENCLOSURE: TYPE 1				MAX # OF POLES: 42				MCB RATING: 400 A				
REMARKS NOTES: [A] PROVIDE 30MA GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS.												
GENERAL NOTES: 1. PROVIDE ALL ACTIVE AND SPARE CIB'S AND SPACES WITHIN (1) SECTION OF DISTRIBUTION PANELBOARD. 2. PROVIDE SPACES FOR FUTURE (2) 225A-3P CIB'S. 3. SEE SPECIFICATION SECTION 'PANELBOARDS' FOR FEATURES OF PANELBOARDS. 4. VERIFY SIZE, QUANTITY AND TYPES OF CIRCUIT BREAKERS IN PANELBOARDS WITH PLANS, RISERS, SCHEDULES, AND SPECIFICATIONS.												
CKT	CIRCUIT DESCRIPTION	NOTES	TRIP	POLES	A	B	C	POLES	TRIP	NOTES	CIRCUIT DESCRIPTION	CKT
1	ECU-A		20 A	3	2667	11343		3	80 A		AHU-1	2
3						2667	11343					4
5							2667	11343				6
7	CU-1		70 A	3	12450	12450		3	70 A		CU-2	8
9						12450	12450					10
11						12450	12450					12
13	HWP-1		20 A	3	943	943		3	20 A		HWP-2	14
15						943	943					16
17						943	943					18
19	EW-1		20 A	3	1000	9340		3	80 A		TX-LVM-1A	20
21						1000	7035					22
23						1000	9928					24
25	LP-1A		70 A	3	4651	6000		3	30 A		EW-2	26
27						3454	6000					28
29						6845	6000					30
31	Spare		50 A	3	0	0		3	100 A		Spare	32
33						0	0					34
35						0	0					36
37	RTU-2A		50 A	3	5810	5810		3	50 A		RTU-1A	38
39						5810	5810					40
41						5810	5810					42
TOTAL LOAD:					73438 VA	69916 VA	76192 VA					
TOTAL AMPS:					297 A	252 A	277 A					
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	APPROX. PANEL TOTALS								
HVAC	1176 VA	100.00%	1176 VA	TOTAL CONN. LOAD 219543 VA								
Other	194804 VA	100.00%	194804 VA	TOTAL EST. LOAD 211296 VA								
RECEPTACLES	23563 VA	65.00%	15316 VA	TOTAL CONN. CURRENT 254 A								
				TOTAL EST. DEMAND CURRENT 254 A								

BRANCH PANEL: LVM-1A												
LOCATION: CORRIDOR EA202				VOLTAGE: 120/208 Wye				AISC RATING: 22K				
SUPPLY FROM: TX-LVM-1A				PHASES: 3				MAINS TYPE: MCB				
MOUNTING: SURFACE				WIRES: 4				MAINS RATING: 225 A				
ENCLOSURE: TYPE 1				MAX # OF POLES: 42				MCB RATING: 150 A				
REMARKS NOTES: [A] PROVIDE 30MA GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS.												
GENERAL NOTES: 1. SEE SPECIFICATION SECTION 'PANELBOARDS' FOR FEATURES OF PANELBOARDS. 2. VERIFY SIZE, QUANTITY AND TYPES OF CIRCUIT BREAKERS IN PANELBOARDS WITH PLANS, RISERS, SCHEDULES, AND SPECIFICATIONS.												
CKT	CIRCUIT DESCRIPTION	NOTES	TRIP	POLES	A	B	C	POLES	TRIP	NOTES	CIRCUIT DESCRIPTION	CKT
1	EF-1		20 A	1	1176	864		1	20 A		EF-2	2
3	FFP-1		20 A	1		700	0	2	20 A		Spare	4
5	LV-1B		100 A	3			9928	0				6
7					7300	0		3	20 A		Spare	8
9						8335	0					10
11	Spare		30 A	3			0	0			UH-1	12
13					0	0						14
15					0	0						16
17	Spare		20 A	1			0	0				18
19	Spare		20 A	1	0	0						20
21	Spare		20 A	1	0	0						22
23	Spare		20 A	1	0	0						24
25	Spare		20 A	1	0	0						26
27	Spare		20 A	1	0	0						28
29	Spare		20 A	1	0	0						30
31	Spare		20 A	1	0	0						32
33	Spare		20 A	1	0	0						34
35	Spare		20 A	1	0	0						36
37	Spare		20 A	1	0	0						38
39	Spare		20 A	1	0	0						40
41	Spare		20 A	1	0	0						42
TOTAL:					9340 VA	7035 VA	9928 VA					
TOTAL:					91 A	59 A	66 A					
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	APPROX. PANEL TOTALS								
HVAC	1176 VA	100.00%	1176 VA	TOTAL CONN. LOAD 26303 VA								
Other	1564 VA	100.00%	1564 VA	TOTAL EST. LOAD 18056 VA								
RECEPTACLES	23563 VA	65.00%	15316 VA	TOTAL CONN. CURRENT 73 A								
				TOTAL EST. DEMAND CURRENT 73 A								

BRANCH PANEL: LV-1A												
LOCATION: CORRIDOR EA202				VOLTAGE: 120/208 Wye				AISC RATING: 22K				
SUPPLY FROM: EXIST DIST. PANEL "Y"				PHASES: 3				MAINS TYPE: MCB				
MOUNTING: SURFACE				WIRES: 4				MAINS RATING: 225 A				
ENCLOSURE: TYPE 1				MAX # OF POLES: 84				MCB RATING: 150 A				
REMARKS NOTES: [A] PROVIDE 30MA GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS. [B] PROVIDE 5MA GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS.												
GENERAL NOTES: 1. SEE SPECIFICATION SECTION 'PANELBOARDS' FOR FEATURES OF PANELBOARDS. 2. VERIFY SIZE, QUANTITY AND TYPES OF CIRCUIT BREAKERS IN PANELBOARDS WITH PLANS, RISERS, SCHEDULES, AND SPECIFICATIONS.												
CKT	CIRCUIT DESCRIPTION	NOTES	TRIP	POLES	A	B	C	POLES	TRIP	NOTES	CIRCUIT DESCRIPTION	CKT
1	EWV, RM 112		20 A	1	500	1260		1	20 A		RECEPTACLES, RM 119	2
3	RECEPTACLES, RM 106		20 A	1		1080	1000		20 A	A	VEND. MACH.	4
5	VEND. MACH.		20 A	1		1000	1000		20 A	A	VEND. MACH.	6
7	RECEPTACLES, RM E108		20 A	1	540	540		1	20 A		RECEPTACLES, RM 106	8
9	RECEPTACLES, RM 208		20 A	1		1260	540		20 A		RECEPTACLES, RM 209	10
11	RECEPTACLES		20 A	1		1080	540		20 A		RECEPTACLES, RM 204	12
13	RECEPTACLES, RM 205		20 A	1	540	1440		1	20 A		RECEPTACLES, RM 204	14
15	RECEPTACLES		20 A	1		540	0		20 A		RECEPTACLES, RM 202	16
17	RECEPTACLES, RM 207		20 A	1		900	540		20 A		RECEPTACLES, RM 207	18
19	MICROWAVE, RM 207		20 A	1	1000	1080		1	20 A		RECEPTACLES, RM 207.1	20
21	RECEPTACLES		20 A	1		1440	540		20 A		EXTERIOR RECEPTACLES	22
23	RECEPTACLES, RM 205		20 A	1		1080	720		20 A		RECEPTACLES	24
25	RECEPTACLES		20 A	1	1440	720		1	20 A		RECEPTACLES	26
27	RECEPTACLES, RM 106		20 A	1		1080	1080		20 A		RECEPTACLES, RM 106	28
29	RECEPTACLE, RM 119		20 A	1		900	900		20 A		FLOOR BOX, RM 119	30
31	FLOOR BOX, RM 119		20 A	1	900	540		1	20 A		RECEPTACLES, RM 106	32
33	MOTORIZED DOOR, RM 101		20 A	1		500	600		20 A		MOTORIZED DOOR, RM 101	34
35	MICROWAVE, RM 207		20 A	1		1000	1000		20 A	A	REF. RM 207	36
37	RECEPTACLES, RM 117		20 A	1	1080	1080		1	20 A		RECEPTACLES, RM 117	38
39	RECEPTACLES, RM 117		20 A	1		900	540		20 A		RECEPTACLES, RM 114	40
41	RECEPTACLES, RM 119		20 A	1		360	360		20 A		RECEPTACLES, RM E108	42
43	RECEPTACLES, RM E108		20 A	1	720	1080		1	20 A		RECEPTACLES, RM 111	44
45	RECEPTACLES, RM 106		20 A	1		360	360		20 A		RECEPTACLES, RM 207.1	46
47	Spare		20 A	1		0	0		20 A		Spare	48
49	AHU-1LR		20 A	1	500	590		1	20 A		Exterior Roof mounted Recp.	50
51	Future Hand Dryer, RM 113		20 A	1		1410	1410		20 A		Future Hand Dryer, RM 114	52
53	RECEPTACLES		20 A	1		900	1080		20 A		RECEPTACLES, RM 106	54
55	Spare		20 A	1	0	0			20 A	A	Spare	56
57	Spare		20 A	1	0	0			20 A		Spare	58
59	Spare		20 A	1	0	0			20 A		Spare	60
61	Spare		20 A	1	0	0			20 A		Spare	62
63	Spare		20 A	1	0	0			20 A		Spare	64
65	Spare		20 A	1	0	0			20 A		Spare	66
67	Spare		20 A	1	0	0			20 A		Spare	68
69	Spare		20 A	1	0	0			20 A		Spare	70
71	Spare		20 A	1	0	0			20 A		Spare	72
73	Spare		20 A	1	0	0			20 A		Spare	74
75	Spare		20 A	1	0	0			20 A		Spare	76
77	Spare		20 A	1	0	0			20 A		Spare	78
79	Spare		20 A	1	0	0			20 A		Spare	80
81	Spare		20 A	1	0	0			20 A		Spare	82
83	Spare		20 A	1	0	0			20 A		Spare	84
TOTAL:					15550 VA	14540 VA	13360 VA					
TOTAL:					131 A	123 A	111 A					
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	APPROX. PANEL TOTALS								
Lighting	50 VA	125.00%	63 VA	TOTAL CONN. LOAD 43450 VA								
Other	6620 VA	100.00%	6620 VA	TOTAL EST. LOAD 30590 VA								
RECEPTACLES	36785 VA	65.00%	23907 VA	TOTAL CONN. CURRENT 121 A								
SWITCHES	0 VA	0.00%	0 VA	TOTAL EST. DEMAND CURRENT 85 A								

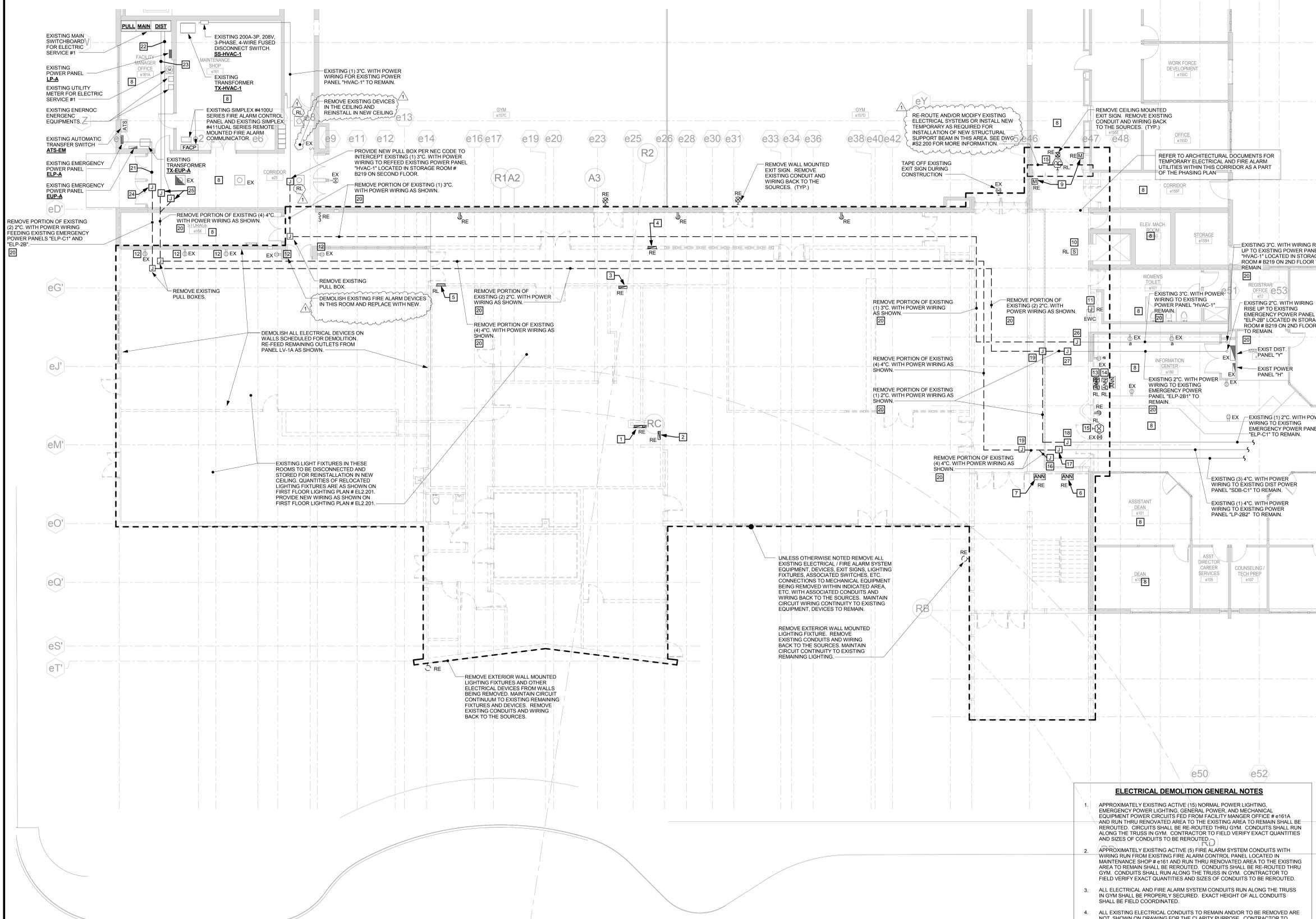
BRANCH PANEL: LP-1A												
LOCATION: CORRIDOR EA202				VOLTAGE: 480/277 Wye				AISC RATING: 25				
SUPPLY FROM: HDM-1A				PHASES: 3				MAINS TYPE: MLO				
MOUNTING: SURFACE				WIRES: 4				MAINS RATING: 100 A				
ENCLOSURE: TYPE 1				MAX # OF POLES: 30				MCB RATING: 70 A				
REMARKS NOTES: [A] [B]												
GENERAL NOTES: 1. SEE SPECIFICATION SECTION 'PANELBOARDS' FOR FEATURES OF PANELBOARDS. 2. VERIFY SIZE, QUANTITY AND TYPES OF CIRCUIT BREAKERS IN PANELBOARDS WITH PLANS, RISERS, SCHEDULES, AND SPECIFICATIONS.												
CKT	CIRCUIT DESCRIPTION	NOTES	TRIP	POLES	A	B	C	POLES	TRIP	NOTES	CIRCUIT DESCRIPTION	CKT
1	CORRIDOR # 111		20 A	1	594	1322		1	20 A		RM # 117	2
3	RM # 119		20 A	1		1410	355		20 A		RM # 107, 106	4
5	RM # 101		20 A	1		162	690		20 A		CORRIDOR # 121	6
7	RM # 106, 107		20 A	1	850	43						

ELECTRICAL DEMOLITION DRAWING NOTES

- 1 REMOVE EXISTING ABANDONED POWER PANEL "S". REMOVE EXISTING CONDUITS AND WIRING BACK TO THE SOURCES.
- 2 REMOVE EXISTING POWER PANEL "SM". REMOVE EXISTING CONDUITS AND WIRING BACK TO THE SOURCES. REFEED APPROXIMATELY (8) EXISTING ACTIVE BRANCH CIRCUITS FROM NEW POWER PANEL "LV-1B". PROVIDE NEW JUNCTION BOXES PER NEC CODE TO INTERCEPT EXISTING ACTIVE BRANCH CIRCUITS TO REMAIN. EXTEND EXISTING ACTIVE BRANCH CIRCUITS TO REMAIN TO NEW POWER PANEL "LV-1B". PROVIDE NEW CONDUITS AND WIRING AS REQUIRED. CONTRACTOR SHALL FIELD VERIFY EXACT QUANTITIES OF EXISTING ACTIVE BRANCH CIRCUITS TO REMAIN.
- 3 REMOVE EXISTING POWER PANEL "PE". REMOVE EXISTING CONDUITS AND WIRING BACK TO THE SOURCES. REFEED APPROXIMATELY (8) EXISTING ACTIVE BRANCH CIRCUITS FROM NEW POWER PANEL "LV-1A". PROVIDE NEW JUNCTION BOXES PER NEC CODE TO INTERCEPT EXISTING ACTIVE BRANCH CIRCUITS TO REMAIN. EXTEND EXISTING ACTIVE BRANCH CIRCUITS TO REMAIN TO NEW POWER PANEL "LV-1A". PROVIDE NEW CONDUITS AND WIRING AS REQUIRED. CONTRACTOR SHALL FIELD VERIFY EXACT QUANTITIES OF EXISTING ACTIVE BRANCH CIRCUITS TO REMAIN.
- 4 REMOVE EXISTING POWER PANEL "T". REMOVE EXISTING CONDUITS AND WIRING BACK TO THE SOURCES. REFEED APPROXIMATELY (15) EXISTING ACTIVE BRANCH CIRCUITS FROM NEW POWER PANEL "LV-1A". PROVIDE NEW JUNCTION BOXES PER NEC CODE TO INTERCEPT EXISTING ACTIVE BRANCH CIRCUITS TO REMAIN. EXTEND EXISTING ACTIVE BRANCH CIRCUITS TO REMAIN TO NEW POWER PANEL "LV-1A". PROVIDE NEW CONDUITS AND WIRING AS REQUIRED. CONTRACTOR SHALL FIELD VERIFY EXACT QUANTITIES OF EXISTING ACTIVE BRANCH CIRCUITS TO REMAIN.
- 5 REMOVE AND RELOCATE EXISTING RECESSED WALL MOUNTED EMERGENCY ZONE CONTROL PANEL WITH (2) TEST SWITCH. PROVIDE NEW JUNCTION BOXES PER NEC CODE TO INTERCEPT EXISTING CIRCUITS. EXTEND EXISTING CIRCUITS, CONDUITS AND WIRING TO NEW LOCATION. REFER TO FIRST ELECTRICAL POWER CONSTRUCTION PLAN # EP2.201 FOR NEW LOCATION.
- 6 REMOVE EXISTING SURFACE WALL MOUNTED FIRE ALARM SYSTEM GRAPHIC ANNUNCIATOR PANEL. REMOVE EXISTING CONDUITS AND WIRING BACK TO THE SOURCES.
- 7 REMOVE EXISTING SURFACE WALL MOUNTED FIRE ALARM SYSTEM LCD TYPE REMOTE ANNUNCIATOR PANEL. REMOVE EXISTING CONDUITS AND WIRING BACK TO THE SOURCES.
- 8 EXISTING ELECTRICAL WORK TO REMAIN WITHIN ROOM OR AREA UNLESS OTHERWISE NOTED.
- 9 REMOVE EXISTING MAGNETIC DOOR HOLD OPEN DEVICES. REMOVE EXISTING CONDUITS AND WIRING BACK TO THE SOURCES.
- 10 REMOVE EXISTING SMOKE DETECTOR FOR ELEVATOR RECALL SYSTEM AND RELOCATE WITHIN SAME PLACE TO ACCOMMODATE NEW CEILING CONSTRUCTION. RECONNECT INTO EXISTING FIRE ALARM SYSTEM CIRCUIT. EXTEND EXISTING FIRE ALARM CIRCUIT TO NEW LOCATION. PROVIDE NEW CONDUITS AND WIRING AS REQUIRED.
- 11 EXISTING WATER COOLER TO BE REMOVED. REMOVE EXISTING POWER CONNECTION, BACK BOX, CONDUIT AND WIRING BACK TO THE SOURCES.
- 12 EXISTING POWER OUTLET TO REMAIN. REMOVE EXISTING CONDUITS AND WIRING BACK TO THE SOURCES. REWIRE EXISTING POWER OUTLETS WITH NEW WIRING AS SHOWN ON DRAWING # EP2.201.
- 13 REMOVE AND RELOCATE EXISTING SURFACE WALL MOUNTED GENERATOR ANNUNCIATOR PANEL. EXTEND EXISTING CONDUITS AND WIRING TO THE NEW LOCATION. PROVIDE NEW CONDUITS AND WIRING OF SAME SIZE AS REQUIRED.
- 14 REMOVE AND RELOCATE EXISTING RECESSED WALL MOUNTED CALL-FOR-AID SYSTEM ANNUNCIATOR PANEL. EXTEND EXISTING CONDUITS AND WIRING TO THE NEW LOCATION. PROVIDE NEW CONDUITS AND WIRING OF SAME SIZE AS REQUIRED.
- 15 REMOVE AND RELOCATE EXISTING WALL OR DOOR FRAME MOUNTED OCCUPANCY SENSOR FOR CONTROLLING EXISTING LIGHTING FIXTURES SERVING WITHIN RESPECTIVE AREA. PROVIDE TEMPORARY SUPPORT DURING DEMOLITION OF WALL OR DOOR FRAME. REUSE EXISTING CONTROL CIRCUIT TO RECONNECT INTO NEW LOCATION. PROVIDE NEW CONDUITS AND WIRING AS REQUIRED.
- 16 PROVIDE NEW PULL BOX PER NEC CODE TO INTERCEPT EXISTING (3) 4" WITH POWER WIRING TO EXISTING DIST POWER PANEL "SDB-C1" LOCATED IN EXISTING ELECTRICAL ROOM # 123 ON 1ST FLOOR.
- 17 PROVIDE NEW PULL BOX PER NEC CODE TO INTERCEPT EXISTING (1) 4" WITH POWER WIRING TO EXISTING EMERGENCY POWER PANEL "ELP-C1" LOCATED IN EXISTING ELECTRICAL ROOM # 123 ON 1ST FLOOR.
- 18 PROVIDE NEW PULL BOX PER NEC CODE TO INTERCEPT EXISTING (1) 2" WITH POWER WIRING TO EXISTING EMERGENCY POWER PANEL "ELP-C1" LOCATED IN EXISTING ELECTRICAL ROOM # 123 ON 1ST FLOOR.
- 19 REMOVE EXISTING PULL BOX.
- 20 COORDINATE PHASING SO NO PARTS OF EXISTING BUILDING ARE LEFT WITHOUT POWER.
- 21 EXISTING (2) 2" CONDUITS AND WIRING FROM EXISTING EMERGENCY PANEL "ELP-A" TO NEW JUNCTION BOX TO REMAIN TO REFEED EXISTING EMERGENCY PANEL "ELP-C1" LOCATED IN ELECTRICAL ROOM #123 ON FIRST FLOOR AND EXISTING EMERGENCY POWER PANEL "ELP-2B1" LOCATED IN STORAGE ROOM # E219 ON SECOND FLOOR. COORDINATE EXACT CONDUITS ROUTING IN FIELD. REFER TO ELECTRICAL POWER RISER DIAGRAM ON DRAWING # E3.101 FOR MORE INFORMATION.
- 22 EXISTING (3) 4" CONDUITS AND WIRING FROM EXISTING MAIN SWITCHBOARD TO NEW JUNCTION BOX TO REMAIN TO REFEED EXISTING DISTRIBUTION PANELBOARD "SDB-C1" LOCATED IN ELECTRICAL ROOM #123 ON FIRST FLOOR. COORDINATE EXACT CONDUITS ROUTING IN FIELD. REFER TO ELECTRICAL POWER RISER DIAGRAM ON DRAWING # E3.101 FOR MORE INFORMATION.
- 23 EXISTING (1) 4" CONDUIT AND WIRING FROM EXISTING MAIN SWITCHBOARD TO NEW JUNCTION TO REMAIN TO REFEED EXISTING POWER PANEL "LP-2B2" LOCATED IN STORAGE ROOM #E211 ON SECOND FLOOR. COORDINATE EXACT CONDUIT ROUTING IN FIELD. REFER TO ELECTRICAL POWER RISER DIAGRAM ON DRAWING # E3.101 FOR MORE INFORMATION.
- 24 PROVIDE NEW JUNCTION BOXES PER NEC CODE TO INTERCEPT EXISTING CONDUIT AND WIRING TO REFEED EXISTING EMERGENCY POWER PANEL "ELP-C1" AND EXISTING EMERGENCY POWER PANEL "ELP-2B1". SPLICE NEW AND EXISTING WIRING IN RESPECTIVE NEW JUNCTION BOXES. REFER TO ELECTRICAL POWER RISER DIAGRAM ON DRAWING # E3.101 FOR MORE INFORMATION.
- 25 PROVIDE NEW JUNCTION BOXES PER NEC CODE TO INTERCEPT EXISTING CONDUITS AND WIRING TO REFEED EXISTING POWER DIST. POWER PANEL "SDB-C1" AND EXISTING POWER PANEL "LP-2B2". SPLICE NEW AND EXISTING WIRING IN RESPECTIVE NEW JUNCTION BOXES. REFER TO ELECTRICAL POWER RISER DIAGRAM ON DRAWING # E3.101 FOR MORE INFORMATION.
- 26 PROVIDE NEW JUNCTION BOX PER NEC CODE TO INTERCEPT EXISTING CONDUIT AND WIRING TO REFEED EXISTING POWER PANEL "HVAC-1". SPLICE NEW AND EXISTING WIRING IN NEW JUNCTION BOX. REFER TO ELECTRICAL POWER RISER DIAGRAM ON DRAWING # E3.101 FOR MORE INFORMATION.
- 27 PROVIDE NEW JUNCTION BOX PER NEC CODE TO INTERCEPT EXISTING CONDUIT AND WIRING TO REFEED EXISTING EMERGENCY POWER PANEL "ELP-2B1". SPLICE NEW AND EXISTING WIRING IN NEW JUNCTION BOX. REFER TO ELECTRICAL POWER RISER DIAGRAM ON DRAWING # E3.101 FOR MORE INFORMATION. NEW CONDUIT AND WIRING TO REFEED EXISTING EMERGENCY POWER PANEL "ELP-C1" SHALL BE ALSO INTERCEPTED INTO THIS JUNCTION BOX. REFER TO DRAWING EP2.201 FOR MORE INFORMATION.

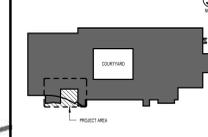
ELECTRICAL DEMOLITION GENERAL NOTES

1. APPROXIMATELY EXISTING ACTIVE (15) NORMAL POWER LIGHTING, EMERGENCY POWER LIGHTING, GENERAL POWER, AND MECHANICAL EQUIPMENT POWER CIRCUITS FEED FROM FACILITY MANAGER OFFICE # #161A AND RUN THRU RENOVATED AREA TO THE EXISTING AREA TO REMAIN SHALL BE REROUTED. CIRCUITS SHALL BE RE-ROUTED THRU GYM. CONDUITS SHALL RUN ALONG THE TRUSS IN GYM. CONTRACTOR TO FIELD VERIFY EXACT QUANTITIES AND SIZES OF CONDUITS TO BE REROUTED.
2. APPROXIMATELY EXISTING ACTIVE (5) FIRE ALARM SYSTEM CONDUITS WITH WIRING RUN FROM EXISTING FIRE ALARM CONTROL PANEL LOCATED IN MAINTENANCE SHOP # #101 AND RUN THRU RENOVATED AREA TO THE EXISTING AREA TO REMAIN SHALL BE REROUTED. CONDUITS SHALL BE RE-ROUTED THRU GYM. CONDUITS SHALL RUN ALONG THE TRUSS IN GYM. CONTRACTOR TO FIELD VERIFY EXACT QUANTITIES AND SIZES OF CONDUITS TO BE REROUTED.
3. ALL ELECTRICAL AND FIRE ALARM SYSTEM CONDUITS RUN ALONG THE TRUSS IN GYM SHALL BE PROPERLY SECURED. EXACT HEIGHT OF ALL CONDUITS SHALL BE FIELD COORDINATED.
4. ALL EXISTING ELECTRICAL CONDUITS TO REMAIN AND/OR TO BE REMOVED ARE NOT SHOWN ON DRAWING FOR THE CLARITY PURPOSE. CONTRACTOR TO FIELD VERIFY EXACT ROUTING AND SIZES OF ALL EXISTING CONDUITS.



1 ELECTRICAL FIRST FLOOR - DEMOLITION PLAN
E2.101
1/8" = 1'-0"

KEYPLAN



REVISIONS	
mark	description
1	8/20/2015 ADDENDUM 4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF CONSTRUCTION SERVICES

drawing title: **FIRST FLOOR ELECTRICAL DEMOLITION PLAN**

drawing prepared by: **TECTON ARCHITECTS**
ONE HARTFORD SQUARE WEST
HARTFORD, CT 06106

date: 04-27-2015
scale: 1/8" = 1'-0"
production leader: [blank]
project manager: IP
project architect: [blank]
peer reviewer: [blank]
drawing no: E2.101

project: **CAMPUS RENOVATIONS - ASNUNTUOK COMMUNITY TECHNICAL COLLEGE**

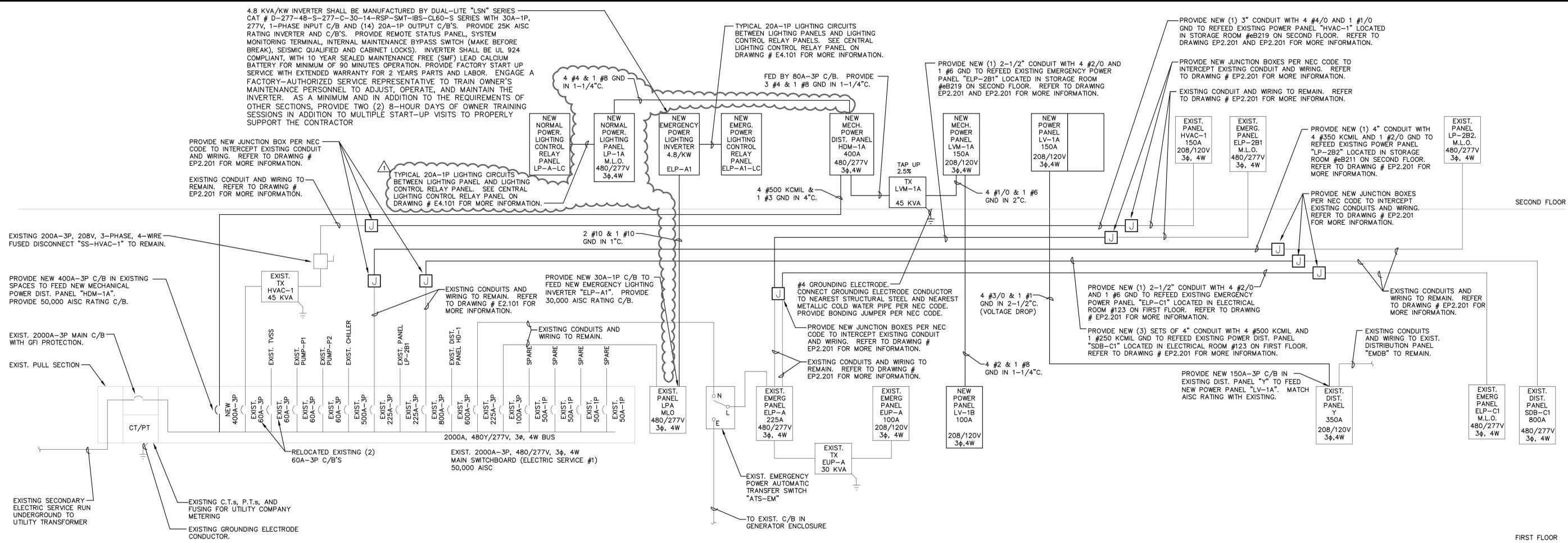
170 ELM STREET
ENFIELD, CT

project number: BI-CTC-437

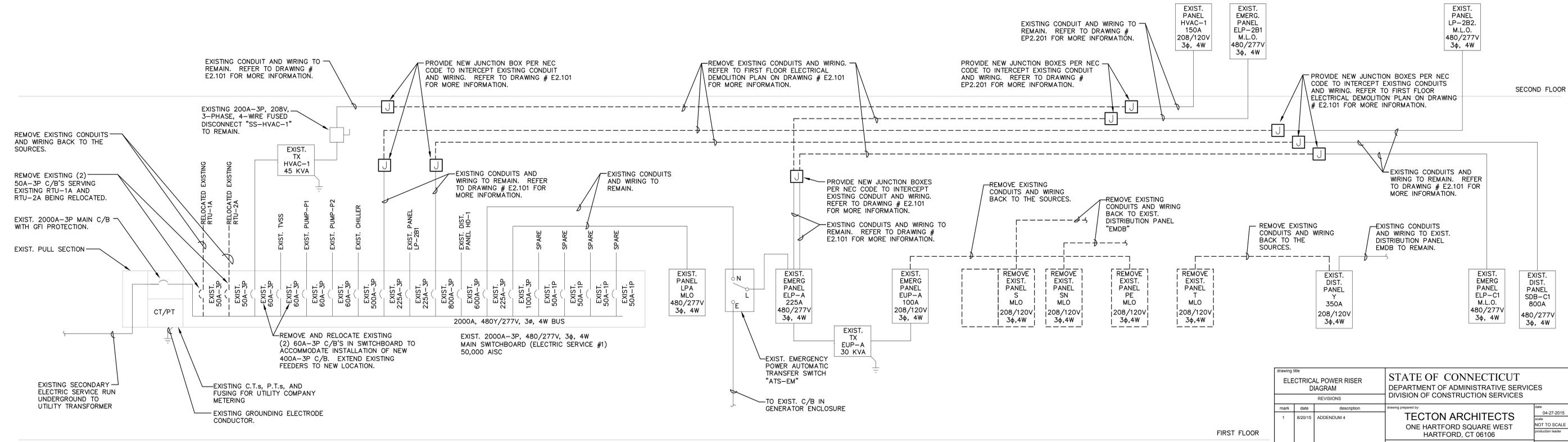


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4.8 KVA/KW INVERTER SHALL BE MANUFACTURED BY DUAL-LITE "LSN" SERIES CAT # D-277-48-S-277-C-30-14-RSP-SMT-IBS-CL60-S SERIES WITH 30A-1P, 277V, 1-PHASE INPUT C/B AND (14) 20A-1P OUTPUT C/B'S. PROVIDE 25K AISC RATING INVERTER AND C/B'S. PROVIDE REMOTE STATUS PANEL, SYSTEM MONITORING TERMINAL, INTERNAL MAINTENANCE BYPASS SWITCH (MAKE BEFORE BREAK), SEISMIC QUALIFIED AND CABINET LOCKS). INVERTER SHALL BE UL 924 COMPLIANT, WITH 10 YEAR SEALED MAINTENANCE FREE (SMF) LEAD CALCIUM BATTERY FOR MINIMUM OF 90 MINUTES OPERATION. PROVIDE FACTORY START UP SERVICE WITH EXTENDED WARRANTY FOR 2 YEARS PARTS AND LABOR. ENGAGE A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO TRAIN OWNER'S MAINTENANCE PERSONNEL TO ADJUST, OPERATE, AND MAINTAIN THE INVERTER. AS A MINIMUM AND IN ADDITION TO THE REQUIREMENTS OF OTHER SECTIONS, PROVIDE TWO (2) 8-HOUR DAYS OF OWNER TRAINING SESSIONS IN ADDITION TO MULTIPLE START-UP VISITS TO PROPERLY SUPPORT THE CONTRACTOR



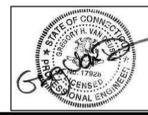
NEW PARTIAL POWER RISER DIAGRAM
NOT TO SCALE



DEMOLITION PARTIAL POWER RISER DIAGRAM
NOT TO SCALE

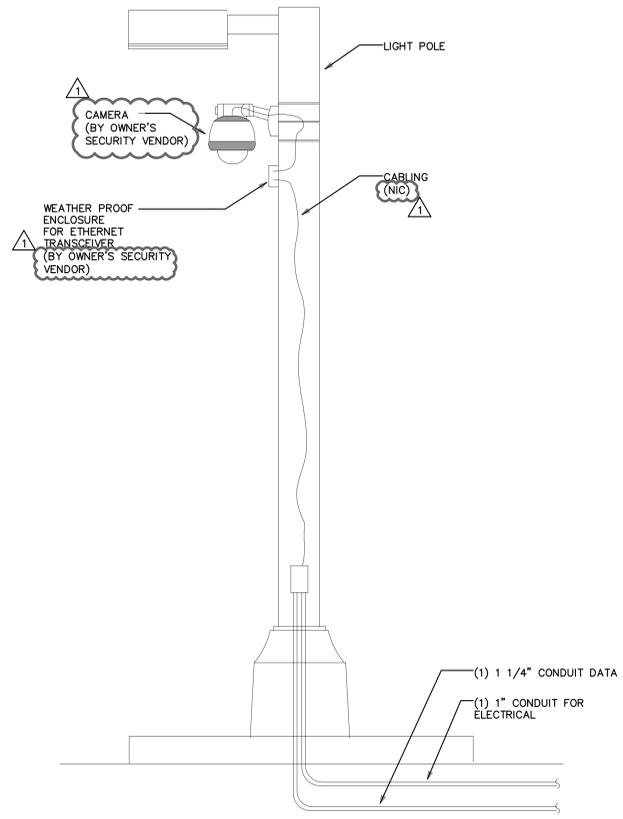
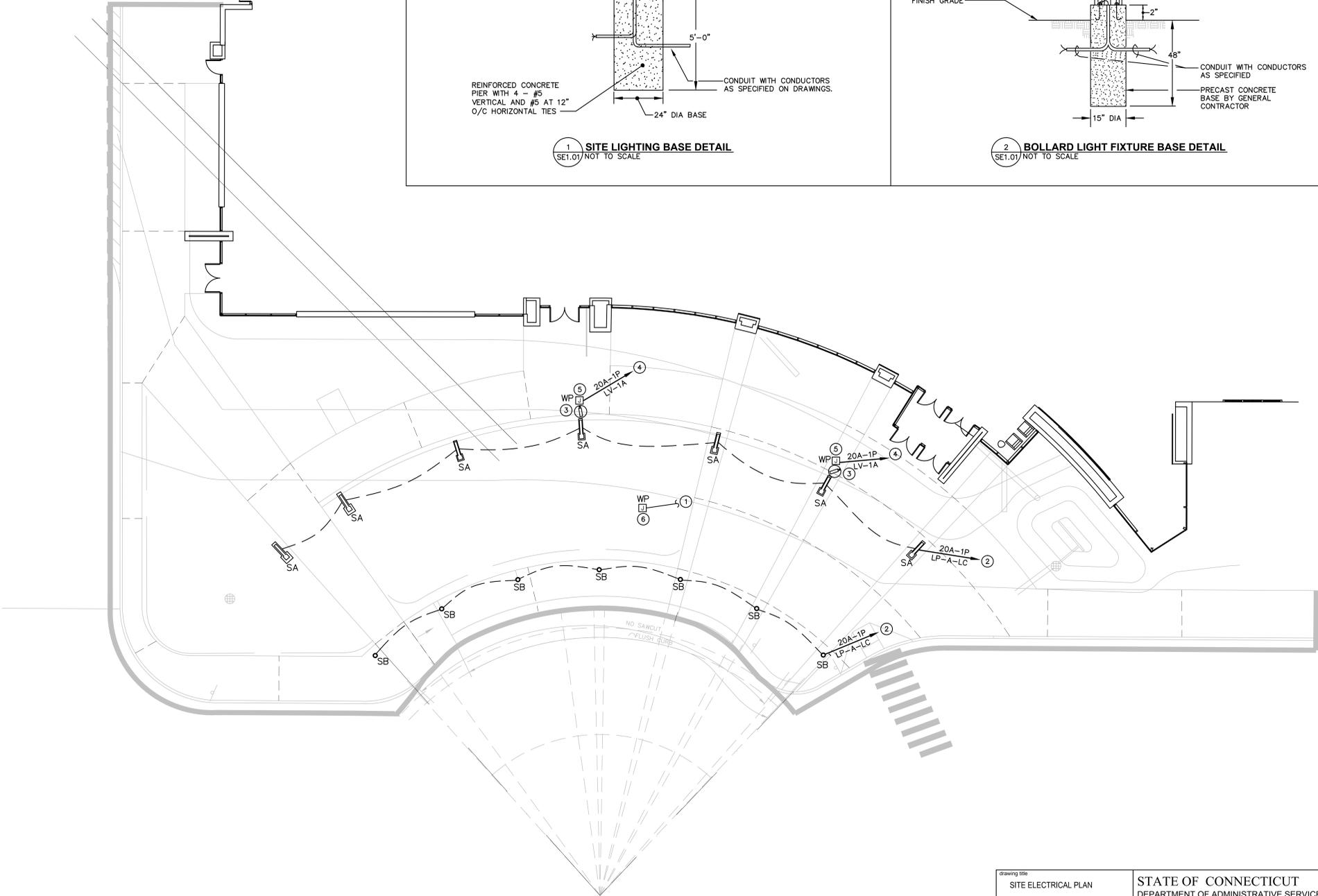
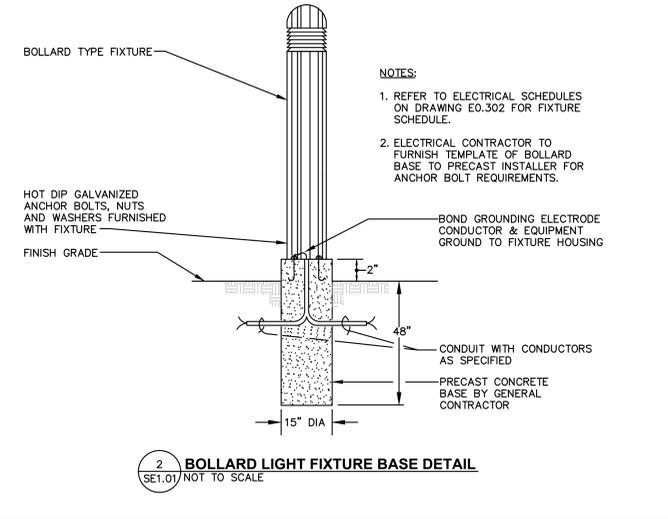
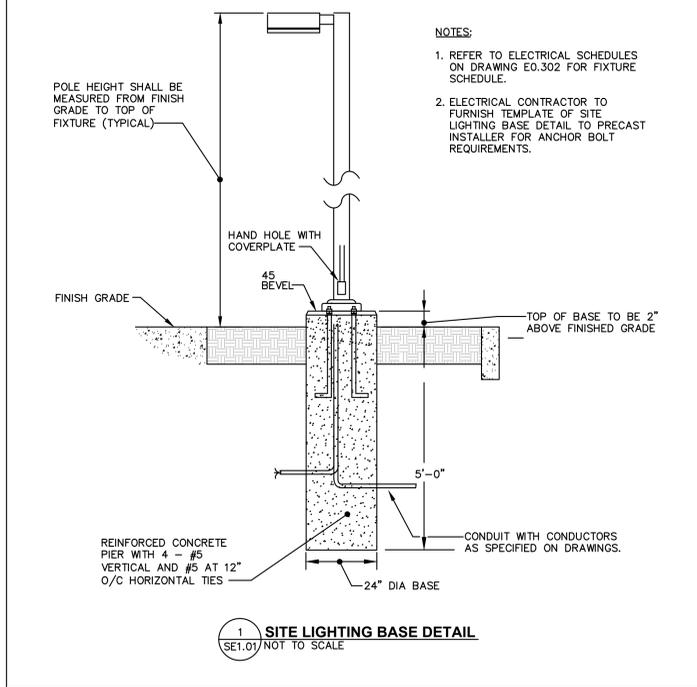
REVISIONS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
mark	date	description	drawing prepared by	date
1	8/20/15	ADDENDUM 4		04-27-2015

TECTON ARCHITECTS ONE HARTFORD SQUARE WEST HARTFORD, CT 06106		drawing no. BI-CTC-437
project CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE		project manager ip
170 ELM STREET ENFIELD, CT		project architect ip
project number BI-CTC-437		drawing no. E3.101



- SITE LIGHTING GENERAL NOTES:**
- REFER TO E0.302 FOR SITE LIGHT FIXTURE SCHEDULE.
 - PROPOSED LAYOUT, SHOWN FOR REFERENCE ONLY. REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.

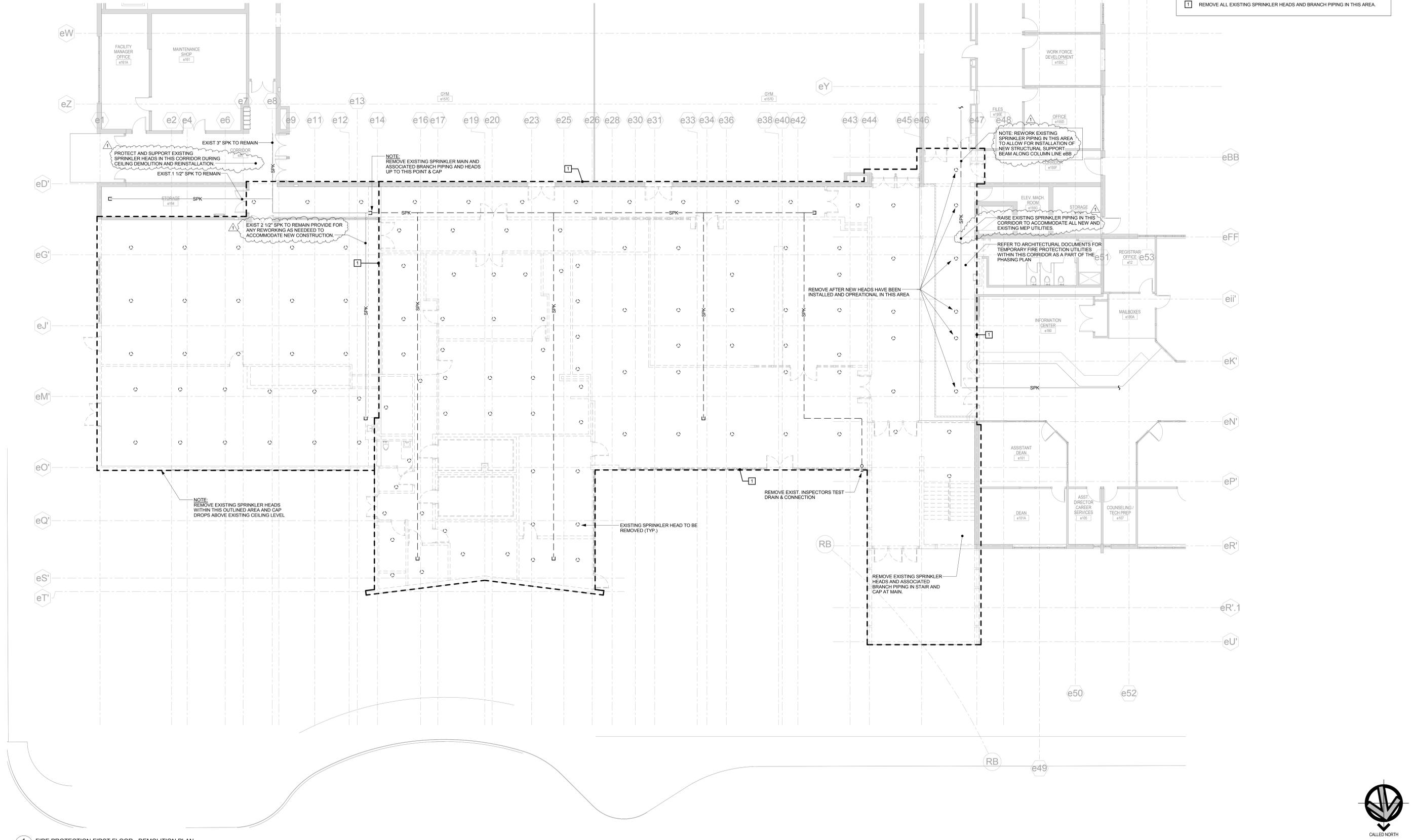
- SITE LIGHTING DRAWING NOTES**
- PROVIDE 1" EMPTY CONDUIT WITH PULL STRING TO LIGHTING CONTROL RELAY PANEL "LP-A-LC" FOR FUTURE POWER WIRING TO LIGHTING FIXTURES LOCATED AT FUTURE SCULPTURE.
 - PROVIDE 2 #10 & 1 #10 GND IN 1" CONDUIT FOR THE ENTIRE LENGTH OF THE CIRCUIT. PROVIDE APPROPRIATE SIZE LUGS TO ACCOMMODATE LARGER SIZE WIRES. LIGHTING CIRCUIT HOMERUN SHALL RUN THROUGH RELAY IN NORMAL LIGHTING CONTROL PANEL "LP-A-LC" TO 20A-1P CIRCUIT BREAKER LOCATED IN NEW NORMAL POWER PANEL "LP-1A". CIRCUIT HOMERUN SHALL BE CONTROLLED THROUGH RELAY VIA EXTERIOR MOUNTED PHOTOCELL AND BUILT-IN TIME CLOCK IN LIGHTING CONTROL RELAY PANEL.
 - PROVIDE 1-1/4" WEATHER-PROOF BACKBOX AND HORIZONTAL CABLING FOR FUTURE POLE MOUNTED SECURITY CAMERA (COORDINATE WITH OWNER'S SECURITY VENDOR). TERMINATION, TESTING, LABELING AND COMMISSIONING BY OTHERS.
 - PROVIDE 2 #10 & 1 #10 GND IN 1" CONDUIT FOR THE ENTIRE LENGTH OF THE CIRCUIT.
 - PROVIDE WEATHER-PROOF JUNCTION BOX FOR POWER WIRING TO FUTURE POLE MOUNTED SECURITY CAMERA (COORDINATE WITH OWNER'S SECURITY VENDOR).
 - PROVIDE WEATHER-PROOF JUNCTION BOX FOR FUTURE POWER WIRING TO LIGHTING FIXTURES LOCATED AT FUTURE SCULPTURE. COORDINATE EXACT LOCATION WITH LANDSCAPE ARCHITECT, CIVIL ENGINEER AND ARCHITECT.



drawing title SITE ELECTRICAL PLAN			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES		
REVISIONS			drawing prepared by TECTON ARCHITECTS ONE HARTFORD SQUARE WEST HARTFORD, CT 06106		
mark	date	description	date	drawn by	date
1	8/20/15	ADDENDUM 4	04-27-2015	ip	1"=10'-0"
			production leader	ip	
			project manager	ip	
			project architect		
			peer reviewer		
			drawing no.		
			project number	BI-CTC-437	SE1.01



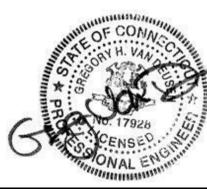
FIRE PROTECTION DEMOLITION NOTES
 1 REMOVE ALL EXISTING SPRINKLER HEADS AND BRANCH PIPING IN THIS AREA.



1 FIRE PROTECTION FIRST FLOOR - DEMOLITION PLAN
 FP2.101 1/8" = 1'-0"



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KEYPLAN

BVH
 integrated services
 STRUCTURAL, MECHANICAL, ELECTRICAL, AND TECHNOLOGY

REVISIONS		
mark	date	description
1	8/20/2015	ADDENDUM 4

STATE OF CONNECTICUT
 DEPARTMENT OF ADMINISTRATIVE SERVICES
 DIVISION OF CONSTRUCTION SERVICES

drawing prepared by: **TECTON ARCHITECTS**
 ONE HARTFORD SQUARE WEST
 HARTFORD, CT 06106

project: **CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE**

170 ELM STREET
 ENFIELD, CT

project number: BI-CTC-437

date: 04-27-2015
 scale: 1/8" = 1'-0"
 production leader
 IP
 project architect
 peer reviewer
 drawing no: **FP2.101**

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1 SECOND FLOOR FIRE PROTECTION- DEMOLITION PLAN
FP2.102 1/8" = 1'-0"



KEYPLAN

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF CONSTRUCTION SERVICES

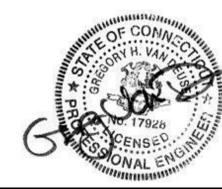
TECTON ARCHITECTS
ONE HARTFORD SQUARE WEST
HARTFORD, CT 06106

project: CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE
170 ELM STREET
ENFIELD, CT
project number: BI-CTC-437

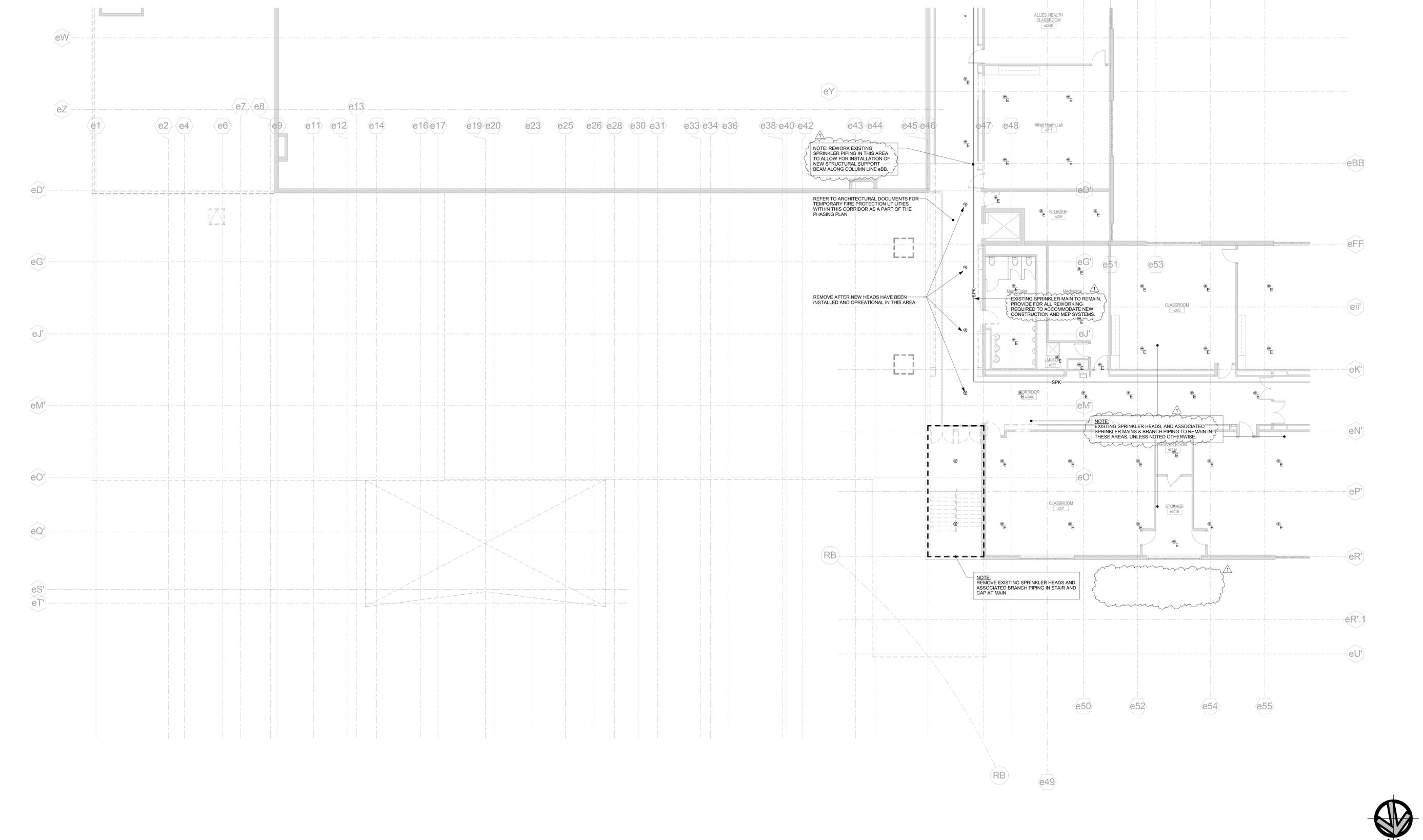
date: 04-27-2015
scale: 1/8" = 1'-0"
production leader:
IP
project architect:
peer reviewer:
drawing no: FP2.102

BVH integrated services
50 Griffin Road South
Bloomfield, CT 06002
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STRUCTURAL, MECHANICAL, ELECTRICAL, AND TECHNOLOGY



REVISIONS			
mark	date	description	
1	8/20/2015	ADDENDUM 4	



CABINET UNIT HEATER SCHEDULE - ELECTRIC										
TAG	MFR	MODEL	ARRANGEMENT	MBH	KW	NUMBER OF STEPS/SCR	CONTROL VOLTAGE	FAN		
								CFM	HP	RPM
ECU-H-A	QMARK	CJ945	CEILING	27.3	8	2	480	400	1/6	1880

UNIT HEATER SCHEDULE - HOT WATER										
TAG	VOLTS / PHASE	MFR	MODEL NO.	ARRANGEMENT						
				HORIZONTAL						
TAG	MBH	EWT (°F)	LWT (°F)	GPM	PIPE RUNOUT SIZE (IN)	MAX WPD (FT)	FAN			
							CFM	MOTOR HP	RPM	
UH-1	120/1									
UH-1	13	180	150	1.3	3/4"	0.49	400	1/30	1550	

RADIATOR SCHEDULE - HOT WATER										
TAG	MFR	MODEL NO.	LENGTH (FT)	TUBE / FIN MATERIAL	TUBE SIZE	CONNECTIONS	E.W.T.	L.W.T.		
R-1	RUNTAL	R2F-3	4	STEEL	N/A	SAME END	180	150		
R-2	RUNTAL	R2F-3	4	STEEL	N/A	SAME END	180	150		
R-3A	RUNTAL	R2F-3	8	STEEL	N/A	OPPOSITE END, SERIES	180	150		
R-3B	RUNTAL	R2F-3	13	STEEL	N/A	OPPOSITE END, SERIES	180	150		
R-3C	RUNTAL	R2F-3	3	STEEL	N/A	SAME END, SERIES	180	150		
R-4	RUNTAL	R2F-3	24	STEEL	N/A	OPPOSITE END	180	150		
R-5	RUNTAL	R2F-3	24	STEEL	N/A	OPPOSITE END	180	150		
R-6	RUNTAL	R2F-3	4	STEEL	N/A	SAME END	180	150		
R-7A	RUNTAL	R2F-3	6	STEEL	N/A	OPPOSITE END, SERIES	180	150		
R-7B	RUNTAL	R2F-3	5	STEEL	N/A	SAME END, SERIES	180	150		
R-8A	RUNTAL	R2F-3	10	STEEL	N/A	OPPOSITE END, SERIES	180	150		
R-8B	RUNTAL	R2F-3	6	STEEL	N/A	OPPOSITE END, SERIES	180	150		
R-8C	RUNTAL	R2F-3	12	STEEL	N/A	SAME END, SERIES	180	150		

TAG	BTU PER LF	GPM	ENCL HEIGHT	MOUNTING HEIGHT	WIDTH	PIPE RUNOUT SIZE (IN)	REMARKS
R-1	1185	0.50	8.6"	FLOOR MOUNT	1.6"	3/4"	PEDESTAL MOUNT
R-2	1185	0.50	8.6"	FLOOR MOUNT	1.6"	3/4"	PEDESTAL MOUNT
R-3A	1185	0.75	8.6"	FLOOR MOUNT	1.6"	3/4"	PEDESTAL MOUNT
R-3B	1185	1.00	8.6"	FLOOR MOUNT	1.6"	3/4"	PEDESTAL MOUNT
R-3C	1185	0.25	8.6"	FLOOR MOUNT	1.6"	3/4"	PEDESTAL MOUNT
R-4	1185	2.00	8.6"	FLOOR MOUNT	1.6"	3/4"	PEDESTAL MOUNT
R-5	1185	2.00	8.6"	FLOOR MOUNT	1.6"	3/4"	PEDESTAL MOUNT
R-6	1185	0.50	8.6"	FLOOR MOUNT	1.6"	3/4"	PEDESTAL MOUNT
R-7A	1185	0.50	8.6"	FLOOR MOUNT	1.6"	3/4"	PEDESTAL MOUNT
R-7B	1185	0.50	8.6"	FLOOR MOUNT	1.6"	3/4"	PEDESTAL MOUNT
R-8A	1185	0.75	8.6"	FLOOR MOUNT	1.6"	3/4"	PEDESTAL MOUNT
R-8B	1185	0.50	8.6"	FLOOR MOUNT	1.6"	3/4"	PEDESTAL MOUNT
R-8C	1185	1.00	8.6"	FLOOR MOUNT	1.6"	3/4"	PEDESTAL MOUNT

- NOTES:
- PROVIDE OPTIONAL COLOR AS SELECTED BY THE ARCHITECT
 - SEE FLAT PLATE RADIATOR DETAIL DRAWINGS AND SPECIFICATIONS
 - VERIFY ALL DIMENSIONS AND LAYOUT OF EACH FLAT PLATE RADIATOR UNIT WITH ARCHITECT. PROVIDE ADJUSTMENTS TO LENGTHS FOR AESTHETICS PER DIRECTION OF ARCHITECT.
 - PROVIDE END AND CORNER TRIM FOR COMPLETE FINISHED INSTALLATION.

SHUT OFF SINGLE DUCT AIR TERMINAL UNIT SCHEDULE							
TAG	SIZE	CFM RANGE	HEATING COIL PERFORMANCE				
			NOM. CFM	ROWS	LAT	PIPE SIZE	
A	06	0-400	300	2	90	3/4"	
A1	06	0-400	NONE	NONE	NONE	NONE	
B	08	401-800	600	2	90	3/4"	
B1	08	401-800	NONE	NONE	NONE	NONE	
C	10	801-1200	900	2	90	3/4"	
C1	10	801-1200	NONE	NONE	NONE	NONE	
D	12	1201-1700	1275	2	90	1"	
D1	12	1201-1700	NONE	NONE	NONE	NONE	
E	14	1701-2300	1725	2	90	1"	
E1	14	1701-2300	NONE	NONE	NONE	NONE	
F	16	2301-3100	2325	2	90	1-1/4"	
F1	16	2301-3100	NONE	NONE	NONE	NONE	

GENERAL NOTES:
 AIR TERMINAL UNITS ARE BASED ON ENVIRO-TEC
 0.5% MAXIMUM ALLOWABLE STATIC PRESSURE DROP FOR BOX AND REHEAT COIL
 HEATING COIL PERFORMANCE BASED ON NOMINAL CFM LISTED IN THE SCHEDULE @ 50° DEGREE F. ENTERING TEMPERATURE.
 180° DEGREE F. ENTERING WATER TEMPERATURE, 150° DEGREE F. LEAVING WATER TEMPERATURE

PERFORMANCE DATA TAG	AIR TERMINAL UNIT TAG
MAXIMUM COOLING CFM	A ID TYPE
MINIMUM COOLING CFM	
HEATING CFM	

GRILLE AND DIFFUSER SCHEDULE							
CEILING SUPPLY DIFFUSER		DUCTED CEILING RETURN / EXHAUST GRILLE		NON-DUCTED CEILING RETURN / EXHAUST GRILLE		FLEXIBLE DUCT SIZES TO SUPPLY DIFFUSERS	
CFM	SQUARE NECK SIZE	ROUND NECK SIZE	CFM	NECK SIZE	CFM	NECK SIZE	CFM
0-100	6 x 6	6"Ø	0-150	6 x 6	0-350	12 x 12	0-100
101-250	9 x 9	8"Ø	151-350		351-1200	22 x 22	101-250
251-400	12 x 12	10"Ø	351-650				251-400
401-600	15 x 15	12"Ø	651-1000				401-600
601-800	18 x 18	14"Ø					601-800

TYPE	MODEL	DESCRIPTION
A1	TDC	SQUARE LOUVER FACE CEILING SUPPLY DIFFUSER WITH REMOVABLE CORE, LAY-IN, 1-WAY THROW, TRANSITIONAL ADAPTER.
A2	TDC	SQUARE LOUVER FACE CEILING SUPPLY DIFFUSER WITH REMOVABLE CORE, LAY-IN, 2-WAY CORNER THROW, TRANSITIONAL ADAPTER.
A3	TDC	SQUARE LOUVER FACE CEILING SUPPLY DIFFUSER WITH REMOVABLE CORE, LAY-IN, 3-WAY THROW, TRANSITIONAL ADAPTER.
A4	TDC	SQUARE LOUVER FACE CEILING SUPPLY DIFFUSER WITH REMOVABLE CORE, LAY-IN, 4-WAY THROW, TRANSITIONAL ADAPTER.
A5	TDC	SQUARE LOUVER FACE CEILING SUPPLY DIFFUSER WITH REMOVABLE CORE, LAY-IN, 2-WAY OPPOSITE THROW, TRANSITIONAL ADAPTER.
B	355 RL	LOUVER TYPE CEILING/WALL RETURN OR EXHAUST GRILLE, 35° FIXED DEFLECTION, 12" SPACING WITH BLADES PARALLEL TO THE LONG DIMENSION.
E	300RS	WALL SUPPLY GRILLE, DOUBLE DEFLECTION WITH ADJUSTABLE VERTICAL FRONT BLADES, 3/4" BLADE SPACING, SIZES INDICATED ON PLANS.
F	S300FL	EXTRUDED ALUMINUM 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 (PRICE)	ALUMINUM SWIVEL JET THROW DIFFUSER, SIZE 21 UNLESS INDICATED OTHERWISE ON PLANS.
H	FL-10	FLOWBAR JET THROW LINEAR SLOT DIFFUSER, 1 SLOT, EXTRUDED ALUMINUM, 4'-0" SLOT 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	301RL	WALL SUPPLY GRILLE, SINGLE DEFLECTION WITH ADJUSTABLE BLADES PARALLEL TO THE LONG DIMENSION, 3/4" BLADE SPACING, 8" WIDTH, 30" LENGTH UNLESS INDICATED OTHERWISE ON PLANS.

FAN SCHEDULE											
TAG	MFR	MODEL	TYPE	DRIVE	CFM	ESP (IN WC)	MOTOR RPM	MOTOR BHP	MOTOR HP	VOLTS / PHASE	SERVES
EF-1	COOK	120C17DEC	DOWNBLAST	DIRECT	1250	0.75	1725	0.388	0.5	120/1	YES GEN EXH
EF-2	COOK	80CPVD-EC	VENT SET	DIRECT	500	0.5	1725	0.157	0.25	120/1	YES STAIR TWR

- NOTES:
- PROVIDE TENV-EC MOTOR ENCLOSURE FOR EF-2

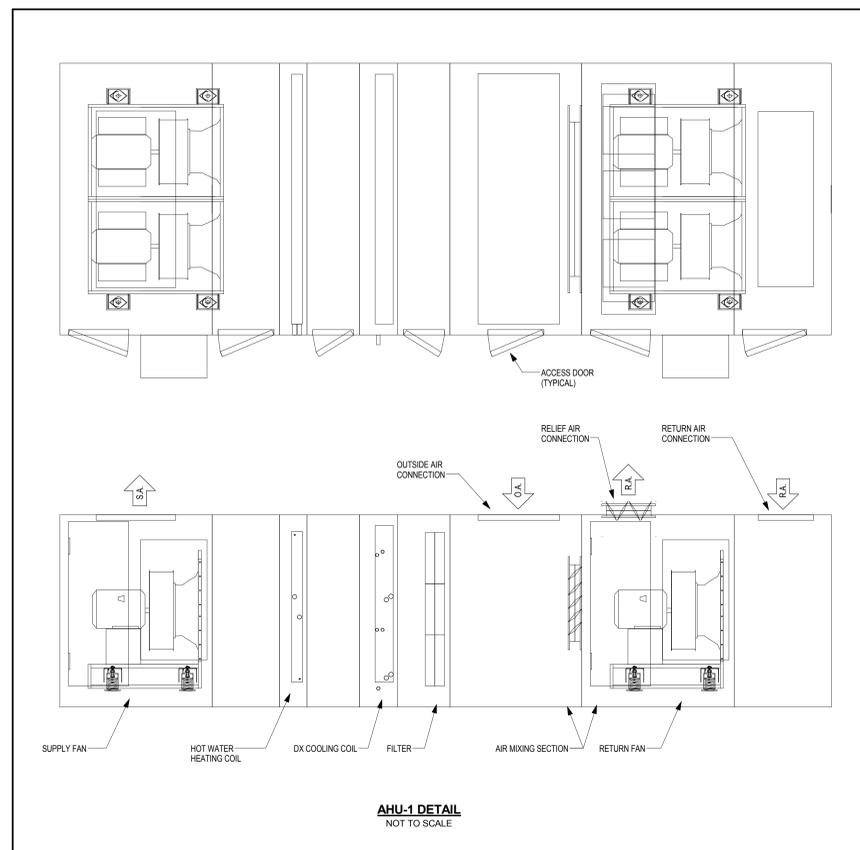
PUMP SCHEDULE						
TAG	MFR	TYPE	SERIES / SIZE MODEL NO.	MINIMUM EFFICIENCY	GPM	FT OF HEAD (TDH)
HWP-1	BELL & GOSSETT	IN-LINE	90 1-1/2A	43%	20	40
HWP-2	BELL & GOSSETT	IN-LINE	90 1-1/2A	43%	20	40
FPP-1	BELL & GOSSETT	IN-LINE	E-90 1AAB	54%	20	15

TAG	RPM	MOTOR HP	VOLTS / PHASE	VFC	SERVES	OPERATION
HWP-1	1725	1	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 PROTECTION

1. PROVIDE MAXIMUM IMPELLER DIAMETER FOR NON-OVERLOADING PERFORMANCE FOR SPECIFIED HORSEPOWER.

AIR HANDLING UNIT SCHEDULE													
TAG	MFR	MODEL NO.	TYPE			MIN. O.A.	AREA SERVED	AHU MODULE ARRANGEMENT					
AHU-1	TRANE	CSAA	PERFORMANCE CLIMATE CHANGER			4500	ENTRANCE ADDITION	REFER TO DETAIL					
SUPPLY 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	
RETURN FAN													
AHU-1	15,000	2.1	DIRECT	PLENUM	2	22.25"	I	460/3	1464	2	5.5	YES	
HOT WATER COIL													
TAG	EAT (°F)	LAT (°F)	TOTAL MBH	EWT (°F)	LWT (°F)	GPM	PIPE RUNOUT SIZE (IN)	COIL FACE VELOCITY (FFM)	MAXIMUM WPD (FT)	ROWS			
AHU-1	49	65	300	180	150	20	2	460	3.9	1			
DX COIL													
TAG	EAT DB / WB (°F)	LAT DB / WB (°F)	TOTAL MBH	SENSIBLE MBH	REFRIG TYPE	SUCTION TEMP (°F)	NUMBER OF CIRCUITS	COIL FACE VELOCITY (FFM)	DRAIN	ROWS			
AHU-1	80.0/67.0	55.0/53.8	606.7	411.4	R-410A	45.0	2	429	YES	4			
CONDENSING UNIT													
TAG	MFR	VOLTS / PHASE	MODEL	AMBIENT TEMP (°F)	CAPACITY (TONS)	IEER	MCA	SERVES					
CJ-1	TRANE	460/3	TTA300F4	95	25	11	51.6	AHU-1					
CJ-2	TRANE	460/3	TTA300F5	95	25	11	51.6	AHU-1					

- NOTES:
- HEATING CAPACITIES BASED UPON DESIGN HEATING CFM AND MINIMUM OUTDOOR AIR CFM, 0°F O.A. (WINTER) HEATED TO 60°F
 - COOLING CAPACITIES BASED UPON DESIGN COOLING CFM AND MINIMUM OUTDOOR AIR CFM, 91°F DB / 73°F WB O.A., 75% RH RA
 - AHU SHALL BE PREWIRED FOR SINGLE POINT POWER CONNECTION, INCLUDING FAN CIRCUITRY AND SEPARATE 120V LIGHT/RECEPTACLE CIRCUIT SHALL BE PROVIDED.
 - PROVIDE STAINLESS STEEL DRAIN PAN



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drawing title MECHANICAL SCHEDULES		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		drawing prepared by TECTON ARCHITECTS ONE HARTFORD SQUARE WEST HARTFORD, CT 06106	
mark	date	description	date
1	8/20/2015	ADDENDUM 4	04-27-2015
project manager: IP		scale: 1/8" = 1'-0"	
project architect: peer reviewer:		project: CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE	
drawing no.:		170 ELM STREET ENFIELD, CT	
		project number: BI-CTC-437	
		H0.301	



- DEMOLITION NOTES**
- 1 REMOVE EXISTING ROOF DRAIN AND ASSOCIATED RAIN WATER LEADER (RWL)
 - 2 REMOVE EXISTING ROOF DRAIN
 - 3 REMOVE EXISTING ROOF TOP UNIT (RTU) AND ALL ASSOCIATED DUCTWORK, PIPING, CONDUITS AND WIRING BACK TO THE SOURCE, CONTROLS AND ACCESSORIES.
 - 4 REMOVE EXISTING MAKE-UP AIR UNIT (MAU) AND ALL ASSOCIATED DUCTWORK, PIPING, CONDUITS AND WIRING BACK TO THE SOURCE, CONTROLS AND ACCESSORIES.
 - 5 REMOVE EXISTING 4" VENT THRU ROOF.
 - 6 REMOVE EXISTING EXHAUST FAN AND ALL ASSOCIATED DUCTWORK, CONDUITS AND WIRING BACK TO THE SOURCE, CONTROLS AND ACCESSORIES.
 - 7 REMOVE EXISTING ROOF TOP UNIT (RTU) AND RELOCATE TO NEW LOCATION AS SHOWN ON HZ 202. CUT AND CAP ALL ASSOCIATED PIPING, CONTROLS AND ACCESSORIES.
 - 8 REMOVE EXISTING CONDENSING UNIT (CU) AND ALL ASSOCIATED DUCTWORK, PIPING, CONDUITS AND WIRING BACK TO THE SOURCE, CONTROLS AND ACCESSORIES.



EXISTING RTU-1A AND RTU-2A BEING REMOVED AND RELOCATED. REMOVE EXISTING FUSED DISCONNECT SWITCH, CONDUITS AND POWER WIRING BACK TO THE SOURCES. REFER TO OTHER P, H AND E DRAWINGS FOR MORE INFORMATION.

RTU-1A

RTU-2A

RTU-3A

MAU-1A

CU

1 OVERALL ROOF MEPT DEMOLITION PLAN
MEP2.100 1/16" = 1'-0"

KEYPLAN

STATE OF CONNECTICUT
REGISTERED PROFESSIONAL ENGINEER
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drawing title
MEP ROOF DEMOLITION PLAN

REVISIONS		
mark	date	description
1	8/20/2015	ADDENDUM 4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF CONSTRUCTION SERVICES

drawing prepared by
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project
CAMPUS RENOVATIONS - ASNUNTUCK
COMMUNITY TECHNICAL COLLEGE

170 ELM STREET
ENFIELD, CT

project number: BI-CTC-437

date: 04-27-2015
scale: 1/16" = 1'-0"
production leader
project manager: IP
project architect:
peer reviewer:
drawing no: MEP2.100

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PLUMBING WATER SPECIALTIES SCHEDULE			
GENERAL NOTE: PROVIDE SUPPORTS, FITTINGS, ADAPTERS, ETC. AS NECESSARY TO MAKE FINAL CONNECTION. REFER TO SPECIFICATION FOR MISCELLANEOUS WATER SPECIALTIES AND FOR WATER SPECIALTIES EQUIVALENTS.			
ITEM	SPECIALTY ITEM	DESCRIPTION	REMARKS
"WHA"	WATER HAMMER ARRESTORS	SILOX 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.	PROVIDE AT QUICK CLOSING VALVES
"RP2"	BACKFLOW PREVENTER (KITCHEN EQUIP)	WATTS #909QT-S, REDUCED PRESSURE BACKFLOW PREVENTER. ALL BRONZE BODY CONSTRUCTION WITH STRAINER & QUARTER TURN BALL VALVES. #908AG FIXED AIR GAP.	USE REQUIRED BY KITCHEN SETUP COORDINATION
"PRV"	PRESSURE REDUCING VALVE (KITCHEN EQUIP)	WATTS #S223-B-S, BRONZE BODY CONSTRUCTION, BUILT-IN BY-PASS. STRAINER WITH STAINLESS STEEL SCREEN. SENSITIVE ADJUSTMENT SPRING. PROVIDE 160 LB. GAUGE AND ISOLATION VALVES ON BOTH SIDES OF THE VALVE.	USE REQUIRED BY KITCHEN SETUP COORDINATION
"WH"	WALL HYDRANT (RECESSED)	J.R. SMITH #5509QT-NB, NICKEL BRONZE BOX, BRONZE NICKEL PLATED NONFREEZE QUARTER TURN WALL HYDRANT WITH INTEGRAL VACUUM BREAKER, 3/4" HOSE CONNECTION AND "T" HANDLE KEY.	SEE ARCHITECTURAL PLANS FOR WALL THICKNESS
"HB"	HOSE BIBB	WOODFORD #24P, CHROME FINISHED CONSTRUCTION WALL FAUCET WITH VACUUM BREAKER - BACKFLOW PREVENTER, 3/4" HOSE CONNECTION AND WHEEL HANDLE.	
"TMV-1"	TEMPERATURE MIXING VALVE	SYMMONS "MAX LINE" #7-225-CK-MS, THERMOSTATIC MIXING VALVE W/ 1/2" NPT CONNECTIONS AND CHECKS ON INLETS.	USE AT ALL LAVATORIES AND LOUNGE SINKS
"TP-1"	TRAP PRIMER (FLOW ACTIVATED)	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 SUPPORTS, TRAPS, ADAPTERS, ETC. AND NECESSARY FITTINGS TO MAKE FINAL CONNECTION. REFER TO SPECIFICATION FOR MISCELLANEOUS DRAINAGE SPECIALTIES AND FOR DRAINAGE SPECIALTIES ITEMS EQUIVALENTS.			
ITEM	SPECIALTY ITEM	DESCRIPTION	REMARKS
WALL	CLEANOUT (ROUND)	J.R. SMITH #4720-U, CHROME-PLATED BRONZE ROUND FRAME AND SECURED COVER. VANDAL PROOF SCREWS.	
FLOOR (CO)	CLEANOUT (ROUND)	J.R. SMITH #4032L-U, CAST IRON CLEANOUT. WITH ROUND ADJUSTABLE NICKEL-BRONZE TOP AND BRONZE PLUG. VANDAL PROOF TOP.	PROVIDE "I" CARPET MARKER FOR CARPETED AREAS
"RD"	ROOF DRAIN - REPLACEMENT FOR EXISTING	J.R. SMITH #1310Y-R-C-CID, CAST IRON BODY ROOF DRAIN WITH COMBINATION FLASHING CLAMP AND GRAVEL STOP. CAST IRON DOME, SUMP RECEIVER AND UNDER DECK CLAMP.	EXISTING ROOF AREAS BEING REPLACED WITH NEW ROOFING
"RD1"	COMBINATION ROOF DRAIN (BI-FUNCTIONAL)	J.R. SMITH #SQ-1400Y-C-R, CAST IRON BODY WITH SIDE OUTLET DRAIN CONNECTION AND BOTTOM OUTLET OVERFLOW CONNECTION WITH STANDPIPE, COMBINED FLASHING CLAMP AND GRAVEL STOP. CAST IRON DOME, UNDERDECK CLAMP AND SUMP RECEIVER.	NEW ADDITION ROOF
"FD1"	FLOOR DRAIN	J.R. SMITH #2005Y-A-U, CAST IRON BODY WITH FLASHING COLLAR, 3" DIA. ROUND NICKEL-BRONZE ADJUSTABLE STRAINER. VANDAL PROOF SCREWS. INSTALL W/ PROSET #TG3H TRAP GUARD	FINISHED FLOOR AREAS
"FD2"	FLOOR DRAIN	J.R. SMITH #2131Y-U-P, CAST IRON DEEP BODY, AND FLASHING COLLAR 12" DIA. CAST IRON BAR GRATE. VANDAL PROOF SCREWS. INSTALL W/ PROSET #TG3H TRAP GUARD	LOCATED IN MECH. ROOMS.
"FS1"	FLOOR SINK	J.R. SMITH #3150-13-U, 5" DEEP CAST IRON FLANGED RECEPTOR W/ACID RESISTANT COATED INTERIOR AND 12 1/2" SQ. NICKEL BRONZE RIM AND 3/4" SECURED GRATE, DOME BOTTOM STRAINER, VANDAL PROOF SCREWS.	LOCATED IN KITCHEN
"FD-F"	FLOOR DRAIN W/ FUNNEL	SAME AS FD1 EXCEPT WITH J.R. SMITH #3581 STRAINER MOUNTED FUNNEL. 6" DIA X 2-1/2" DIA X 4-1/4" HIGH.	LOCATED IN KITCHEN

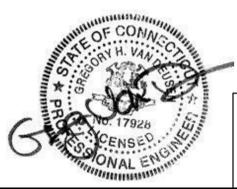
PLUMBING FIXTURES SCHEDULE									
GENERAL NOTES: PIPE SIZES SHOWN ARE FOR SUPPLY AND DRAINAGE ONLY. PROVIDE SUPPLIES WITH SCREWDRIWER STOPS, WALL ESCUTCHEON, 17-GAUGE SEMI-CAST "P" TRAPS WITH CLEANOUT PLUG. PLUMBING FIXTURE SUPPORTS AND NECESSARY FITTINGS TO MAKE FINAL CONNECTION. REFER TO SPECIFICATION FOR EQUIVALENTS. NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING ELEVATION OF PLUMBING FIXTURES, CLEARANCE BELOW SINKS AND LAVATORIES AND OFFSET DRAIN LOCATIONS. OFFSET DRAINS SHALL BE OFFSET LEFT REAR OR OFFSET RIGHT REAR. COORDINATE WITH ARCHITECTURAL DRAWINGS. INSTALL HANDICAPPED FIXTURES PER STATE OF CT HANDICAPPED REQUIREMENTS. COORDINATE MOUNTING HEIGHTS FOR CHILDREN AND ADULT FIXTURES WITH ARCHITECTURAL DRAWINGS.									
TYPE	FIXTURE	SOIL	VENT	COLD	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" #111-1.28-YO-5G.	MOUNT FLUSH VALVE HANDLE, PER A.D.A. ANSI STANDARD	
"C"	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	COUNTER	AMERICAN STANDARD "AQUALYN" #0478.028 VITREOUS CHINA, 47" 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, #LRAD-35 STRAINERS AND OFFSET TAILPIECE, ELKAY #LR-4000 DECK MOUNTED SINGLE LEVER FAUCET WITH PULL-OUT SPRAY AND 3 HOLE ESCAPE FLATE. 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, #BSSC MOP HANGER, # 832AA HOSE & BRACKET, #830AA WALL FAUCET WITH VACUUM BREAKER, #MSG3624 S.S. WALL GUARD		
EEW-11	EMERGENCY EYEWASH	-	-	1/2"	1/2"	WALL	GUARDIAN #G5046BP, EYEWASH, FRENCH HOSE UNIT, WITH WALL MOUNTING BRACKET, 12" HOSE, BACK FLOW PREVENTER AND #G5060LF MIXING VALVE		

DRINKING FOUNTAIN SCHEDULE									
GENERAL NOTES: PIPE SIZES SHOWN ARE FOR SUPPLY AND DRAINAGE ONLY. PROVIDE SUPPLIES WITH STOPS, SEMI-CAST "P" TRAPS, PLUMBING FIXTURE SUPPORTS AND NECESSARY FITTINGS TO MAKE FINAL CONNECTION. REFER TO SPECIFICATION FOR EQUIVALENTS.									
TYPE	FIXTURE	SOIL	VENT	COLD	HOT	MOUNT	DESCRIPTION	REMARKS	
"EW1"	WATER COOLER (BOTTLE FILLING STATION)	1 1/2"	1 1/2"	1/2"	---	WALL PER ANS/ADA STANDARD	ELKAY #L25TLBWS, BI-LEVEL WATER COOLER WITH (1) BOTTLE FILLING STATION, (1) LEAD DESIGN MINIMUM 40 PSI SUPPLY LINE PRESSURE REQUIRED, STAINLESS STEEL BASIN, FLEX-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	

ELECTRIC WATER HEATER SCHEDULE			
TYPE	EQUIPMENT	DESCRIPTION	REMARKS
"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 #E 120-0-18 S, T4, 120 GALLON HYDRASTONE CEMENT LINED TANK, 160 PSI WORKING PRESSURE, RATED FOR 18.0 KW WITH T4 GPH RECOVERY RATE AT 100°F TEMPERATURE RISE, 22 AMPS AT 480 VOLT 3-PHASE 60 Hz. WATER HEATER SHALL INCLUDE THE FOLLOWING: THERMOSTAT, HIGH LIMIT TEMPERATURE CUTOFF, 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			
TYPE	EQUIPMENT	DESCRIPTION	REMARKS
"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 225 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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drawing title PLUMBING SCHEDULES		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		drawing prepared by	
mark	date	description	date
1	8/20/2015	ADDENDUM 4	04-27-2015
drawing prepared by		scale:	
TECTON ARCHITECTS		N.T.S.	
ONE HARTFORD SQUARE WEST HARTFORD, CT 06106		production leader	
project:		project manager:	
CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE		IP	
170 ELM STREET ENFIELD, CT		project architect:	
project number: BI-CTC-437		peer reviewer:	
		drawing no:	
		P0.301	

TECHNOLOGY GENERAL NOTES

- THE PROJECT DRAWINGS AND SPECIFICATIONS ARE BASED ON THE CONSTRUCTION SPECIFICATIONS 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 MEP TRADES TO FURNISH 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, CALIBRATED, APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR BENEFICIAL USE BY THE OWNER.
- THE TRADES SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS BEFORE SUBMITTING A BID. INFORMATION 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 TOTAL PROJECT DESIGN AND INFORMATION SOURCE FOR CONSTRUCTION PURPOSES.
- THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. COORDINATE LOCATIONS OF EQUIPMENT WITH OTHER TRADES BEFORE AND DURING CONSTRUCTION. ANY MODIFICATION TO THE EQUIPMENT LAYOUT, REQUIRED FOR INSTALLATION, IS TO BE PERFORMED UNDER THE CONTRACT AGREEMENT, AT NO ADDITIONAL COST.
- REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF VARIOUS EQUIPMENT. ALL SUCH EQUIPMENT AND EQUIPMENT COLORS AND FINISHES SHALL BE COORDINATED WITH THE ARCHITECT. MOUNTING HEIGHTS SHALL BE APPROVED BY THE ARCHITECT.
- 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.
- 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 LOCATION SHALL BE COORDINATED WITH THE ARCHITECT.
- COORDINATE PIPING AND CONDUITS ENTERING OR LEAVING THE BUILDING WITH THE SITE CONTRACTOR(S) BEFORE INSTALLATION. COORDINATE INVERTS WITH THE STRUCTURE AND SYSTEM REQUIREMENTS PRIOR TO INSTALLATION.
- WHERE A CONFLICT OCCURS BETWEEN THE DOCUMENTS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. CARRY AS PART OF THE BID THE LARGER QUANTITY AND/OR MORE EXPENSIVE ITEM(S).
- BEFORE INSTALLATION, COORDINATE WORK WITH OWNER-FURNISHED EQUIPMENT, INCLUDING REQUIRED SERVICE CONNECTIONS, FACTORY START UPS AND INSTALLATION OF FIELD DEVICES.
- PROVIDE THE REQUIRED/SPECIFIED SLEEVES AND SEALS FOR PIPES OR CONDUIT PENETRATING INTERIOR AND EXTERIOR WALLS OR FLOOR SLABS.
- INSTALL FLOOR-MOUNTED EQUIPMENT ON A CONCRETE HOUSEKEEPING PAD.
- 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 SEISMIC ENGINEER SHALL REVIEW THE INSTALLATION AND PROVIDE A REPORT ON THE FINDINGS.
- PROVIDE MEP COORDINATION DRAWINGS AS REQUIRED BY THE SPECIFICATIONS.
- ENCLOSED CONTROLLERS SHALL BE PROVIDED BY THE CONTRACTOR PROVIDING THE EQUIPMENT REQUIRING AN ENCLOSED CONTROLLER. REQUIREMENTS ARE SPECIFIED UNDER DIVISION 26 "ENCLOSED CONTROLLERS". MOTOR EFFICIENCIES SHALL BE AS INDICATED IN THE SPECIFICATIONS.
- PROVIDE PIPING, DUCTWORK, CONDUIT AND ALL OTHER ACCESSORIES AS REQUIRED FOR PROPER AND PROFESSIONAL SYSTEMS INSTALLATION.
- TEST AND BALANCE MECHANICAL AND ELECTRICAL SYSTEMS. PROVIDE ADDITIONAL TESTS AS REQUIRED BY THE SPECIFICATIONS.
- DO NOT INSTALL PIPING OR DUCTWORK OVER ELECTRICAL PANELS, TRANSFORMERS, SPECIAL EQUIPMENT, ELEVATOR MACHINE ROOMS OR SHAFTS.
- 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 CLEARANCE IN THE ELEVATOR MACHINE ROOM.
- DO NOT INSTALL IN STAIRWELLS OR STAIRWELL WALLS, PIPING, DUCTWORK, CONDUIT OR OTHER DEVICES OR EQUIPMENT NOT ASSOCIATED WITH OR SERVING THE RESPECTIVE STAIR.
- PROVIDE PIPING 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.
- PROVIDE ADDITIONAL TRANSITIONS FOR ALL PIPING, DUCTWORK OR CONDUIT FOR COORDINATION WITH BUILDING STRUCTURE AND CONSTRUCTION.
- NO MECHANICAL OR ELECTRICAL SYSTEM COMPONENTS MAY BE SUPPORTED FROM STRUCTURAL BRACED FRAMES.

RENOVATION

- THIS PROJECT INVOLVES THE RENOVATION OF AN EXISTING FACILITY. BEFORE SUBMITTING THE BID, CONTRACTORS SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS UNDER WHOSE CONTROL THE WORK IS TO BE COMPLETED.
- CONTRACTORS SHALL BE HELD RESPONSIBLE FOR ASSUMPTIONS, OMISSIONS OR ERRORS MADE AS A RESULT OF FAILURE TO BECOME FULLY FAMILIAR WITH THE EXISTING CONDITIONS.
- IT IS NOT THE INTENT OF THESE DOCUMENTS TO SHOW EVERY DEVICE, APPURTENANCE, PIPE, WIRE OR CONDUIT TO BE REMOVED. MEP EQUIPMENT, UNITS, AND SYSTEMS NOT BEING REUSED, SHALL BE REMOVED IN THEIR ENTIRETY INCLUDING ASSOCIATED HANGERS, SUPPORTS, BASES, PADS, PIPES, DUCTS, CONDUITS, WIRES, INSULATION, AND CONTROLS BACK TO THE POINT OF ORIGIN.
- EQUIPMENT, PIPING, OR CONDUIT SHALL NOT BE ABANDONED IN PLACE UNLESS SPECIFICALLY SO NOTED.
- PROPERLY DISPOSE OF DEMOLISHED EQUIPMENT IN COMPLIANCE WITH CODES, REGULATIONS, AND DEEP STANDARDS. TURN OVER TO THE OWNER EQUIPMENT SO INDICATED.
- RELOCATE EXISTING EQUIPMENT, DEVICES, PIPING, WIRING, AND RELATED SYSTEMS AS REQUIRED FOR CONSTRUCTION PURPOSES. ALL EXISTING SYSTEMS SHALL BE FULLY OPERATIONAL, INCLUDING RECONNECTION TO SERVICES AND UPGRADED SYSTEMS. ALL RELOCATED EQUIPMENT SHALL BE PROTECTED DURING CONSTRUCTION.
- PROVIDE TEMPORARY CONNECTIONS AND SYSTEM MODIFICATIONS AS REQUIRED FOR CONSTRUCTION AND PHASING PURPOSES.
- INCLUDE ALL WORK REQUIRED TO ALLOW PHASED CONSTRUCTION WHEN NECESSARY. COORDINATE WITH GENERAL CONTRACTOR/CONSTRUCTION MANAGER FOR PHASING REQUIREMENTS.
- 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 CONDITION.
- REBALANCE NEW AND EXISTING MECHANICAL AND ELECTRICAL SYSTEMS ASSOCIATED WITH THE RENOVATION, INCLUDING RENOVATED AREAS AND AREAS AFFECTED BY SYSTEM MODIFICATIONS.
- SYSTEMS REQUIRING TO REMAIN IN OPERATION DURING DEMOLITION SHALL BE CAREFULLY PROTECTED FROM DAMAGE AND CONTAMINATION BY THE CONSTRUCTION PROCESS.

TECHNOLOGY

- COORDINATE WITH CONSTRUCTION MANAGER, OTHER TRADES AND THE OWNER DURING ALL PHASES. ALL COMMUNICATIONS SHALL BE 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 BEGIN IN ANY TELECOMMUNICATIONS ROOM (TR) OR TELECOMMUNICATIONS 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. 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.
- REFER TO REFLECTED CEILING PLANS FOR FLUSH MOUNTED CEILING DEVICES.
- PROVIDE SEPARATION BETWEEN RACEWAY, CABLES AND OTHER SOURCES (EMI) PER ANSITIA-569-B.
- ELBOW RADIUS FOR RACEWAYS SMALLER THAN 2" TO BE (8) SIX TIMES THE RACEWAY DIAMETER. ELBOW RADIUS FOR CONDUITS 2" OR LARGER TO BE (10) TEN TIMES THE RACEWAY DIAMETER.
- ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH A (PLENUM RATED, IF PLENUM CEILING SPACE) NYLON PULL CORD.
- COORDINATE PROPER METHODS FOR PENETRATIONS WITH FIRESTOPPING AS REQUIRED THROUGH FIRE/SMOKE RATED CONSTRUCTION PER DIVISION 07 SPECIFICATIONS.
- NO PENETRATIONS ARE PERMITTED INTO ANY STAIRWELL EXCEPT FOR SYSTEMS SERVING THAT STAIRWELL. CONDUITS AND CABLEING FOR SERVICE ENTRANCE SHALL BE PROVIDED PER SITE UTILITY DRAWINGS.
- TECHNOLOGY/ELECTRICAL POWER DRAWINGS AND DIVISION 26 SPECIFICATIONS. COORDINATE LOCATION OF DEMARCATION POINT.
- LADDER RACKS, CONDUITS, D-RINGS, ETC. FOR CABLE SUPPORT IN ANY TELECOMMUNICATIONS ROOM (TR) OR TELECOMMUNICATIONS EQUIPMENT ROOM (ER) SHALL BE PROVIDED PER PLANS AND DIVISION 26 SPECIFICATIONS.
- CONDUITS, SLEEVES AND J-HOOKS FOR FIBER BACKBONE CABLEING AND OTHER BACKBONE CABLEING SHALL BE PROVIDED PER DIVISION 26 SPECIFICATIONS.
- SURFACE MOUNTED RACEWAYS, CONDUITS, SLEEVES AND J-HOOKS FOR HORIZONTAL CABLEING FROM COMMUNICATIONS EQUIPMENT ROOM TO THE TELECOMMUNICATIONS OUTLETS/CONNECTORS SHALL BE PROVIDED PER DIVISION 26 SPECIFICATIONS.
- COORDINATE THE INSTALLATION OF ALL CABLE TRAYS, SURFACE MOUNTED RACEWAYS, CONDUITS, SLEEVES AND J-HOOKS PER DIVISION 26 SPECIFICATIONS.
- COORDINATE OUTLET INSTALLATIONS, WALL, RECESSED OR SURFACE, CEILING, FLOOR, SLEEVE OR INFLOOR SYSTEM, UTILITY COLUMN, PER TECHNOLOGY/ELECTRICAL POWER DRAWINGS AND DIVISION 26 SPECIFICATIONS.
- COORDINATE WITH CONSTRUCTION MANAGER, OWNER AND DIVISION 1628 FOR TELEPHONE LINE CONNECTION TERMINATION FROM THE TELECOMMUNICATIONS EQUIPMENT ROOM (ER) TO THE FIRE ALARM CONTROL PANEL.

MEPT ABBREVIATIONS

A	GENERAL SERVICE COMPRESSED AIR
a	48" ABOVE FINISHED FLOOR
AMP	AMPERE
AC	ALTERNATING CURRENT
AD	ACCESS DOOR
AF	ARC FAULT
AFB	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AI	AMPS INTERRUPTING CURRENT
AMB	AMBIENT
ANN	ANNUNCIATOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ATC	AUTOMATIC TEMPERATURE CONTROL
ATS	AUTOMATIC TRANSFER SWITCH
AVEG	AVERAGE
AWG	AMERICAN WIRE GAUGE
b	42" ABOVE FINISHED FLOOR
bct	BONDING CONDUCTOR FOR TELECOMMUNICATIONS
BHP	BRAKE HORSEPOWER
BICSI	BUILDING INDUSTRY CONSULTING SERVICE
BNC	BAYONET NEIL-CONCELMAN BASEMENT
BSMT	BRITISH THERMAL UNITS
BTU	BTU
C	CONDUIT(S)
C/B	CIRCUIT BREAKER
CAT	CATEGORY ETHERNET CABLE
CATV	COMMUNITY ANTENNA TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CKT	CIRCUIT
CO	CLEANOUT
CO2	CARBON DIOXIDE
COAX	COAXIAL CABLEING
COMP	COMPRESSOR
COND	CONDENSER
CONV	CONVERTER
COP	COPPER CABLEING
CRU	CENTRAL PROCESSING UNIT
CRV	CENTRIFUGAL ROOF VENTILATOR
CRV	CABLE TRAY
CT	COILING TOWER
CT	CURRENT TRANSFORMER
CU FT	CUBIC FEET
CU FT	LAVATORY
CV	CONSTANT VOLUME
CVP	CEILING VIDEO PRESENTATION
D	DATA
D	DEPTH
DA	DISTRIBUTOR A
DB	DISTRIBUTOR B
dB	DECIBEL
DC	DIRECT CURRENT
DC	DISTRIBUTOR C
DEG or °	DEGREE
DEMARC	DEMARCATION POINT
DN	DOWN
DWG	DRAWING
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EF	ENTRANCE FACILITY
EFF	EFFICIENCY
EHC	ELECTRICAL HEATING CABLES
ELEC	ELECTRICAL INDUSTRIES ALLIANCE
ELEV	ELEVATOR
EM	EMERGENCY
EMI	ELECTROMAGNETIC INTERFERENCE
EMT	ELECTRICAL METALLIC TUBING
ER	EQUIPMENT ROOM
ESP	EXTERNAL STATIC PRESSURE
EUP	ELECTRIC TRAP PRIMER
EXH	EXHAUST
EXP	EXPANSION

MEPT ABBREVIATIONS

F	FAHRENHEIT
FA	FIRE ALARM
FC	FOOT CANDLE
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FF	FLOOR FINISH
F	FIBER
FDC	FIRE DEPARTMENT CONNECTION
FDV	FIRE DEPARTMENT VALVE
FM	FLOW METER
FMC	FLEXIBLE METALLIC TUBING
FOB	FLAT ON BOTTOM
FOT	FIRE PUT
FP	FIRE PUMP
RGS	RIGID GALVANIZED STEEL CONDUIT REGISTER
RFH	FEET PER MINUTE
RFS	RELATIVE HUMIDITY
RL	EXISTING EQUIPMENT TO BE DISCONNECTED, REMOVED AND RELOCATED
RM	REVOLUTIONS PER MINUTE
RMU	RACK UNIT
S	SLEEVE(S)
SSR	SUPPLY AND RETURN
SEC	SECONDARY ELECTRIC SERVICE
SM	SINGLE-MODE
ST	STANDPIPE
SP	STATIC PRESSURE
SPDT	SINGLE POLE DOUBLE THROW SWITCH
SPST	SINGLE POLE SINGLE THROW
SQ	SQUARE
SS	STAINLESS STEEL
ST	STORM
STD	STANDARD
STP	SHIELDED TWISTED PAIR
SW	SWITCH
SWBD	SWITCHBOARD
TS/STAT	THERMOSTAT
TAG	IDENTIFICATION OF EQUIPMENT
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TD	TEMPERATURE DIFFERENCE
TE	TELECOMMUNICATIONS ENCLOSURE
TBEC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
TEL	TELECOMMUNICATIONS SERVICE
TEMP	TEMPERATURE
TGB	ELEVATOR ENCLOSURE
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TP	TAMPERPROOF
TR	TELECOMMUNICATIONS ROOM
TS	TELEPHONE SERVICE
TSP	TOTAL STATIC PRESSURE
TV	TELEVISION
TVS	TRANSIENT VOLTAGE SUPPRESSOR
TX	TRANSFORMER
TX	TYPICAL
UF	UNFUSED
UH	UNIT HEATER
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
V	VENT
V	VOICE
V	VOLTAGE
VA	VOLT AMPERE
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NVIF	VERIFY IN FIELD
VOIP	VOICE OVER INTERNET PROTOCOL
VOL	VOLUME
W	WALL TELEPHONE
W	WATT
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WG	WIREGUARD
WI	WIDTH
WP	WEATHERPROOF
WTR	WATER
WWM	WELDED WIRE MESH

MEPT ABBREVIATIONS

PH / Ø	PHASE
PV	POST INDICATOR VALVE
PNL	PANEL BOARD
POE	POWER OVER ETHERNET
PP	PATCH PANEL
PAR	PART
PRESS	PRESSURE
PT	POTENTIAL TRANSFORMER
QTY	QUANTITY
RE	EXISTING EQUIPMENT TO BE DISCONNECTED AND REMOVED
REG	REGISTER
RGS	RIGID GALVANIZED STEEL CONDUIT REGISTER
RFH	FEET PER MINUTE
RFS	RELATIVE HUMIDITY
RL	EXISTING EQUIPMENT TO BE DISCONNECTED, REMOVED AND RELOCATED
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WP	WEATHERPROOF
WTR	WATER
WWM	WELDED WIRE MESH

GENERAL SYMBOLS	
	THICK, DARK SOLID LINES INDICATE NEW ITEMS OR NEW RACEWAY AND WIRING
	THIN, LIGHT LINES INDICATE EXISTING ITEMS OR RACEWAY TO REMAIN IN PLACE AND BE REUSED
	THICK, DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED
	POINT OF NEW TO EXISTING CONNECTION, INCLUDING TRANSITIONS
EX	SUB LETTERS "EX" INDICATES EXISTING EQUIPMENT TO REMAIN INTACT
RE	SUB LETTER "RE" INDICATES EXISTING EQUIPMENT TO BE DISCONNECTED AND REMOVED
RL	SUB LETTER "RL" INDICATES EXISTING EQUIPMENT TO BE DISCONNECTED, REMOVED AND RELOCATED
NL	SUB LETTER "NL" INDICATES NEW LOCATION OF RELOCATED EQUIPMENT
NR	SUB LETTER "NR" INDICATES NEW EQUIPMENT TO REPLACE EXISTING
RR	SUB LETTER "RR" INDICATES REMOVE EQUIPMENT AND REPLACE ON NEW SURFACE
* = a, b, c, dg, AF, IG OR TP, WHEN TAGGED IN THE ELECTRICAL SYMBOL LIST, REFER TO THE ABBREVIATION LIST	
COMMUNICATIONS SYMBOLS	
	VOICE OUTLET(S); REFER TO ABBREVIATIONS (X)
	DATA AND VOICE OUTLET(S); REFER TO ABBREVIATIONS (X)
	DATA OUTLET(S); REFER TO ABBREVIATIONS (X)
	SPECIALTY TV OUTLET(S); REFER TO ABBREVIATIONS (X)
	WIRELESS ACCESS POINT
	TELEVISION DATA OUTLET
	FLOOR SERVICE FITTING WITH OUTLET(S); REFER TO SCHEDULE (X)
	POKE-THRU ASSEMBLY WITH OUTLET(S); REFER TO SCHEDULE (X)
	TELEPOWER POLE WITH OUTLET(S); REFER TO SCHEDULE (X)
	CEILING BOX ASSEMBLY WITH OUTLET(S); REFER TO SCHEDULE (X)
	TABLE BOX WITH OUTLET(S); REFER TO SCHEDULE (X)
	DIGITAL SIGNAGE DISPLAY (BY OTHERS)
	BACK BOX AND CONDUIT FOR CEILING OR WALL-MOUNTED SPEAKER (SPEAKERS BY OTHERS); REFER TO ABBREVIATIONS (X)
	FLOOR OR WALL-MOUNTED SOUND SYSTEM MICROPHONE
	BATTERY OPERATED CLOCK
	RACEWAY UP
	RACEWAY DOWN
SECURITY SYMBOLS	
ACCESS CONTROL	
	DOOR OPERATOR
	PUSH PLATE
	MAGNETIC DOOR LOCK
	ELECTRONIC DOOR STRIKE
	ELECTRONIC DOOR LATCH RETRACTION
	CARD READER
	REQUEST TO EXIT
	ELECTRONIC DOOR HARDWARE
INTRUSION DETECTION	
	AUDIBLE SIREN/HORN
	INTRUSION DETECTION PANEL
	GLASS BREAK ALARM
	KEYPAD
	DOOR CONTACT SWITCH
	MOTION DETECTOR
	SOUND DETECTOR
	BACK BOX AND CONDUIT FOR FUTURE DURESS ALARM
SURVEILLANCE	
	BACK BOX AND CONDUIT FOR FUTURE VIDEO SURVEILLANCE CAMERA
	VIDEO MONITOR
	NETWORK VIDEO RECORDER
	DIGITAL VIDEO RECORDER
RISER DIAGRAM SYMBOLS	
	BACKBONE COAX CABLEING
	BACKBONE FIBER CABLEING
	BACKBONE UTP COPPER CABLEING
	HORIZONTAL COAX CABLEING
	HORIZONTAL UTP COPPER CABLEING
	CROSS-CONNECT
	EQUIPMENT RACK

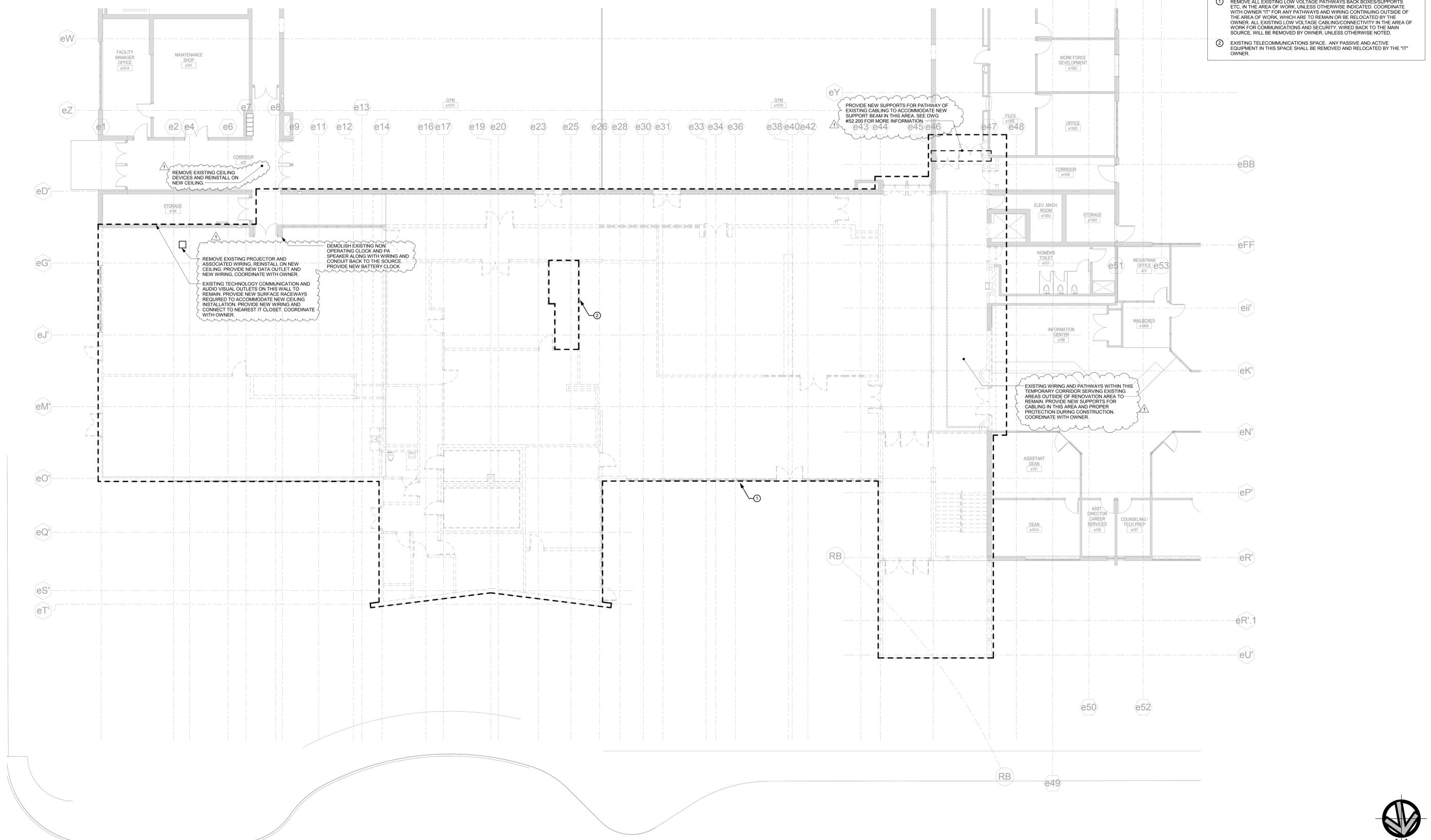
CODES LISTED BELOW APPLY TO ALL DRAWINGS AND SPECIFICATIONS ON THIS PROJECT

- 2005 CONNECTICUT STATE BUILDING CODE WITH 2009, 2011 AND 2013 AMMENDMENTS
- 2005 CONNECTICUT STATE FIRE SAFETY CODE WITH 2009 AMMENDMENTS
- THE FOLLOWING AS REFERENCED BY THE ABOVE CODES AND AMMENDMENTS:
 - 2003 INTERNATIONAL BUILDING CODE (IBC)
 - 2003 INTERNATIONAL EXISTING BUILDING CODE
 - NFPA 70 - NATIONAL ELECTRICAL CODE (NEC), 2011
 - NFPA 72 - NATIONAL FIRE ALARM CODE, 2011

drawing title TECHNOLOGY GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	
1	8/20/2015	ADDENDUM 4	
drawing prepared by			date: 04-27-2015
drawing checked by			scale: 1/8" = 1'-0"
project manager:			production leader:
peer reviewer:			project number: BI-CTC-437
drawing no:			T0.101

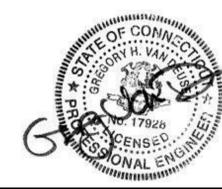


- COMMUNICATIONS/SECURITY DRAWING NOTE**
- REMOVE ALL EXISTING LOW VOLTAGE PATHWAYS BACK BOXES/SUPPORTS ETC. IN THE AREA OF WORK, UNLESS OTHERWISE INDICATED. COORDINATE WITH OWNER ITT FOR ANY PATHWAYS AND WIRING CONTINUING OUTSIDE OF THE AREA OF WORK, WHICH ARE TO REMAIN OR BE RELOCATED BY THE OWNER. 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.
 - EXISTING TELECOMMUNICATIONS SPACE. ANY PASSIVE AND ACTIVE EQUIPMENT IN THIS SPACE SHALL BE REMOVED AND RELOCATED BY THE "IT" OWNER.



1 FIRST FLOOR TECHNOLOGY - DEMOLITION PLAN
T2.101 1/8" = 1'-0"

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KEYPLAN

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF CONSTRUCTION SERVICES

TECTON ARCHITECTS
ONE HARTFORD SQUARE WEST
HARTFORD, CT 06106

170 ELM STREET
ENFIELD, CT

project number: BI-CTC-437

REVISIONS		
mark	date	description
1	8/20/2015	ADDENDUM 4

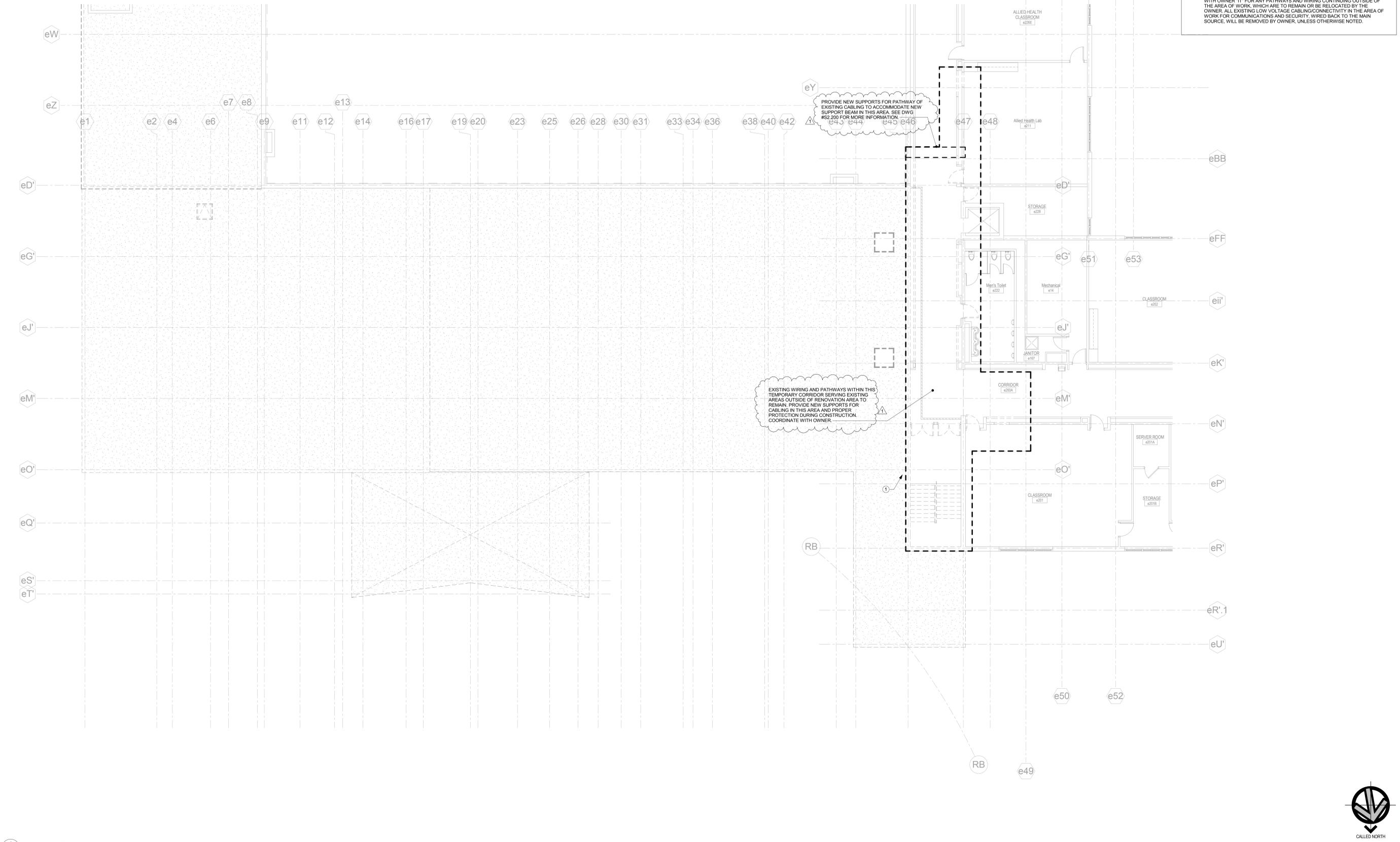
drawing title	04-27-2015
scale	1/8" = 1'-0"
project manager	IP
project architect	
peer reviewer	
drawing no.	T2.101

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.

PROVIDE NEW SUPPORTS FOR PATHWAY OF EXISTING CABLING TO ACCOMMODATE NEW SUPPORT BEAM IN THIS AREA. SEE DWG #52 200 FOR MORE INFORMATION. e43 e44 e45 e46

EXISTING WIRING AND PATHWAYS WITHIN THIS TEMPORARY CORRIDOR SERVING EXISTING AREAS OUTSIDE OF RENOVATION AREA TO REMAIN. PROVIDE NEW SUPPORTS FOR CABLING IN THIS AREA AND PROPER PROTECTION DURING CONSTRUCTION. COORDINATE WITH OWNER.



1 SECOND FLOOR TECHNOLOGY - DEMOLITION PLAN
T2.102
1/8" = 1'-0"

KEYPLAN

STATE OF CONNECTICUT
REGISTERED PROFESSIONAL ENGINEER
GREGORY H. VAN...
No. 17926

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Bloomfield, CT 06002
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STRUCTURAL, MECHANICAL, ELECTRICAL, AND TECHNOLOGY

drawing title: SECOND FLOOR TECHNOLOGY DEMOLITION PLAN

REVISIONS		
mark	date	description
1	8/20/2015	ADDENDUM 4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF CONSTRUCTION SERVICES

drawing prepared by: **TECTON ARCHITECTS**
ONE HARTFORD SQUARE WEST
HARTFORD, CT 06106

project: CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE

170 ELM STREET
ENFIELD, CT

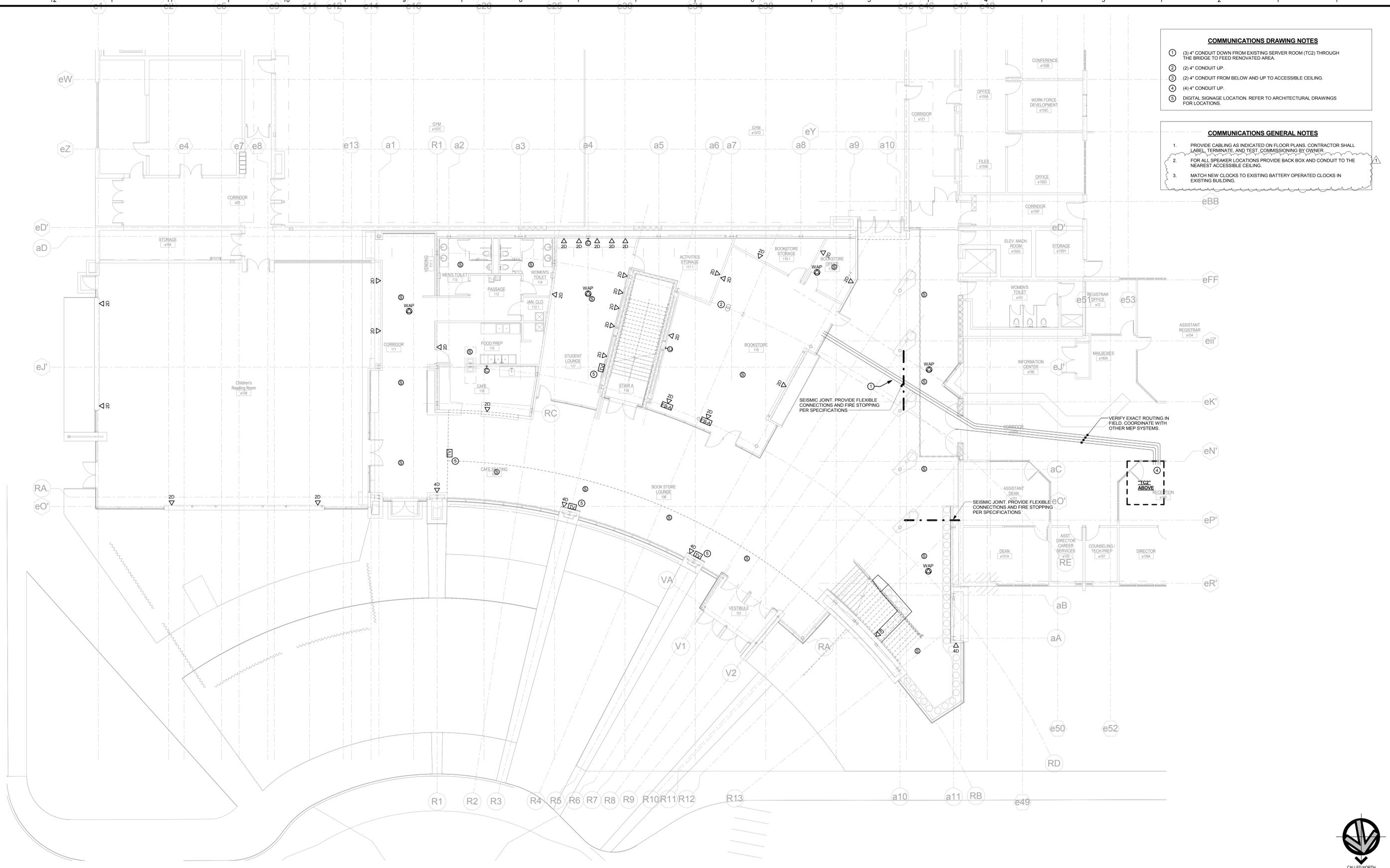
project number: BU-CTC-437

date: 04-27-2015
scale: 1/8" = 1'-0"
production leader
project manager: IP
project architect:
peer reviewer:
drawing no: T2.102

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- COMMUNICATIONS DRAWING NOTES**
- (3) 4" CONDUIT DOWN FROM EXISTING SERVER ROOM (TC2) THROUGH THE BRIDGE TO FEED RENOVATED AREA.
 - (2) 4" CONDUIT UP.
 - (2) 4" CONDUIT FROM BELOW AND UP TO ACCESSIBLE CEILING.
 - (4) 4" CONDUIT UP.
 - DIGITAL SIGNAGE LOCATION. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS.

- 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.
 - MATCH NEW CLOCKS TO EXISTING BATTERY OPERATED CLOCKS IN EXISTING BUILDING.



1 FIRST FLOOR TECHNOLOGY COMMUNICATIONS - CONSTRUCTION PLAN
 TC2.201 1/8" = 1'-0"

KEYPLAN

drawing title: FIRST FLOOR TECHNOLOGY COMMUNICATIONS CONSTRUCTION PLAN
 REVISIONS

mark	date	description
1	8/20/2015	ADDENDUM 4

STATE OF CONNECTICUT
 DEPARTMENT OF ADMINISTRATIVE SERVICES
 DIVISION OF CONSTRUCTION SERVICES

drawing prepared by: **TECTON ARCHITECTS**
 ONE HARTFORD SQUARE WEST
 HARTFORD, CT 06106

project: CAMPUS RENOVATIONS - ASNUNTUCK COMMUNITY TECHNICAL COLLEGE
 170 ELM STREET
 ENFIELD, CT

project number: BI-CTC-437

date: 04-27-2015
 scale: 1/8" = 1'-0"
 production leader:
 IP
 project architect:
 peer reviewer:
 drawing no: **TC2.201**

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STRUCTURAL, MECHANICAL, ELECTRICAL, AND TECHNOLOGY



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