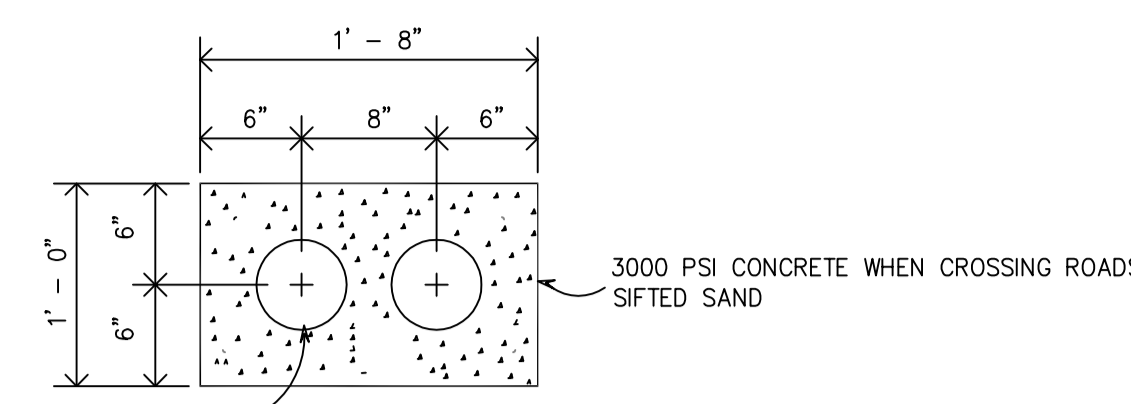
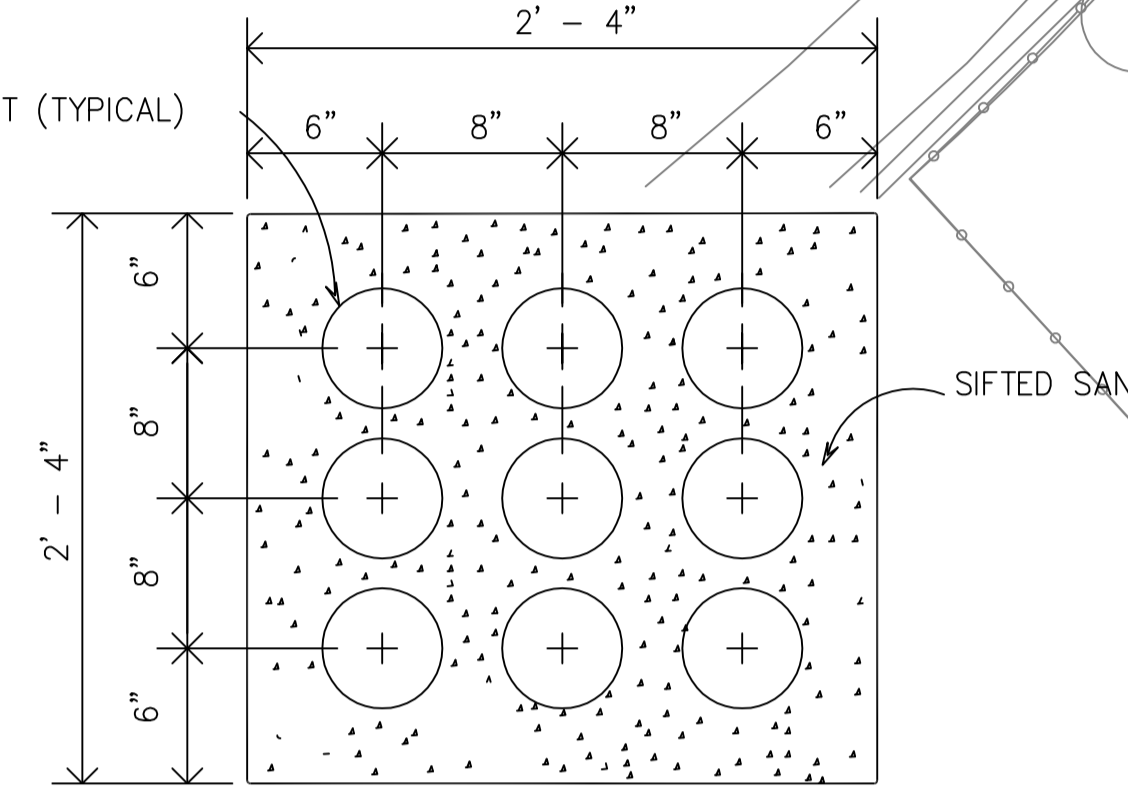


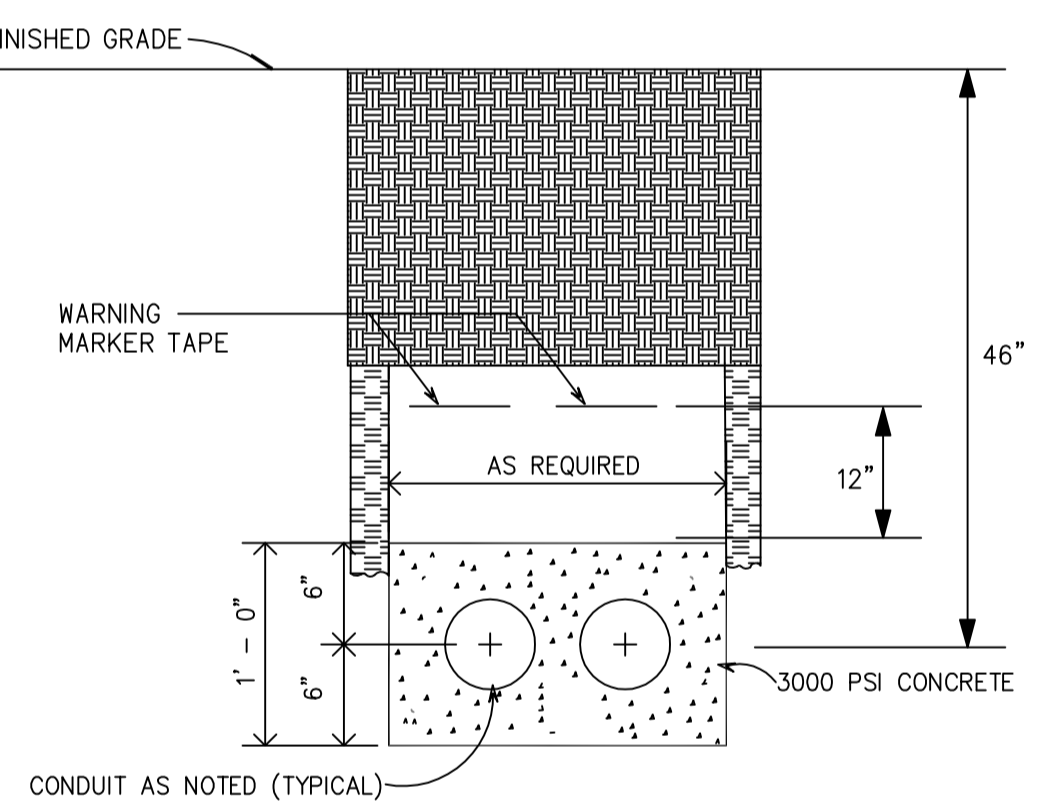
1 UTILITY PRIMARY DUCTBANK DETAIL
 ES101 | ES101 SCALE: NONE FURNISH AND INSTALL 3/8" ROPE IN CONDUITS.



2 SECONDARY DUCTBANK DETAIL
 ES101 | ES101 SCALE: NONE



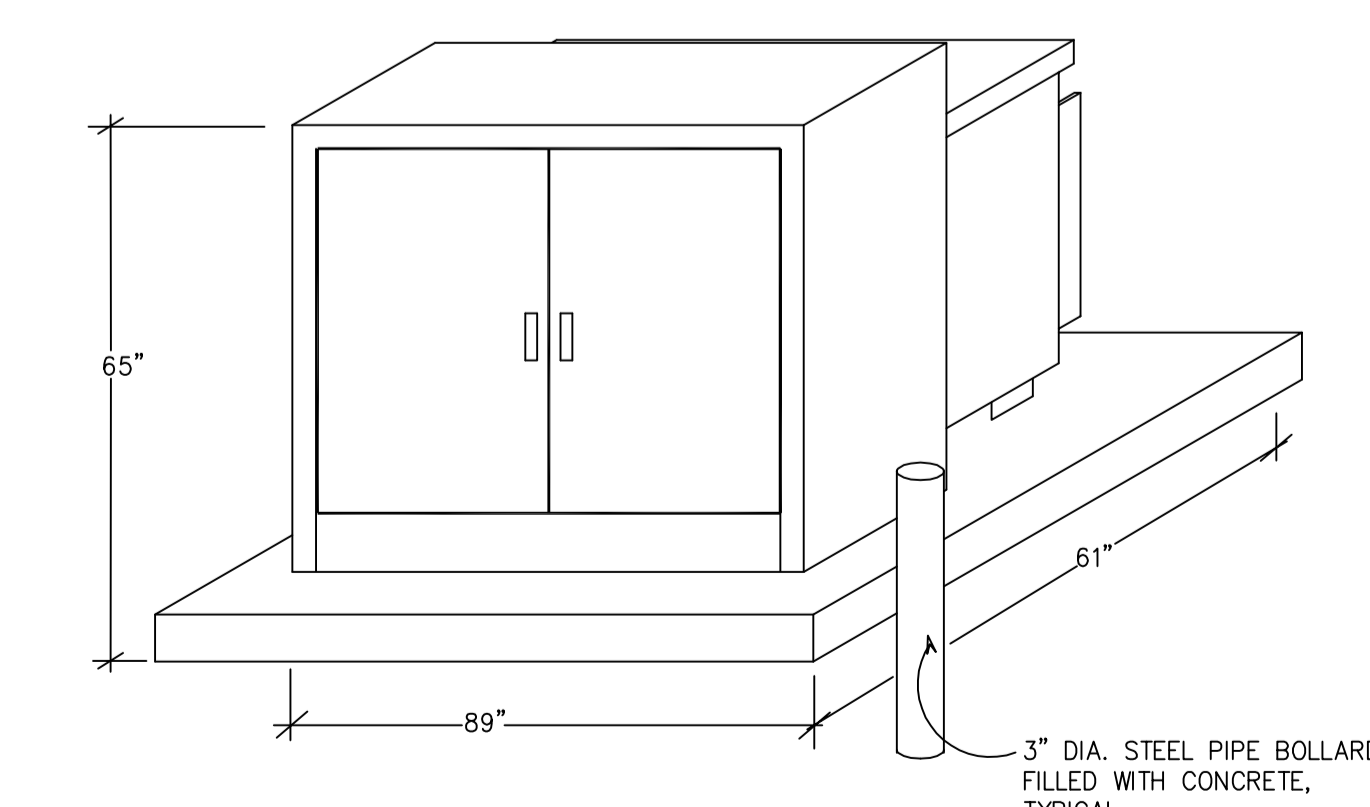
3 DRIVEWAY AND PARKING AREA TRENCH DETAIL
 ES101 | ES101 SCALE: NONE



PAD MOUNT TRANSFORMER LOCATION NOTES:

- Locate transformers within 10 feet of traffic bearing paved surface for maintenance & replacement access.
- Provide minimum clearance from various building facilities as follows:

ITEM	IN FRONT OF	MINIMUM DISTANCE	TO SIDE OF	BELOW
Combustible Wall	6'		6'	-
Noncombustible Wall	3'		3'	-



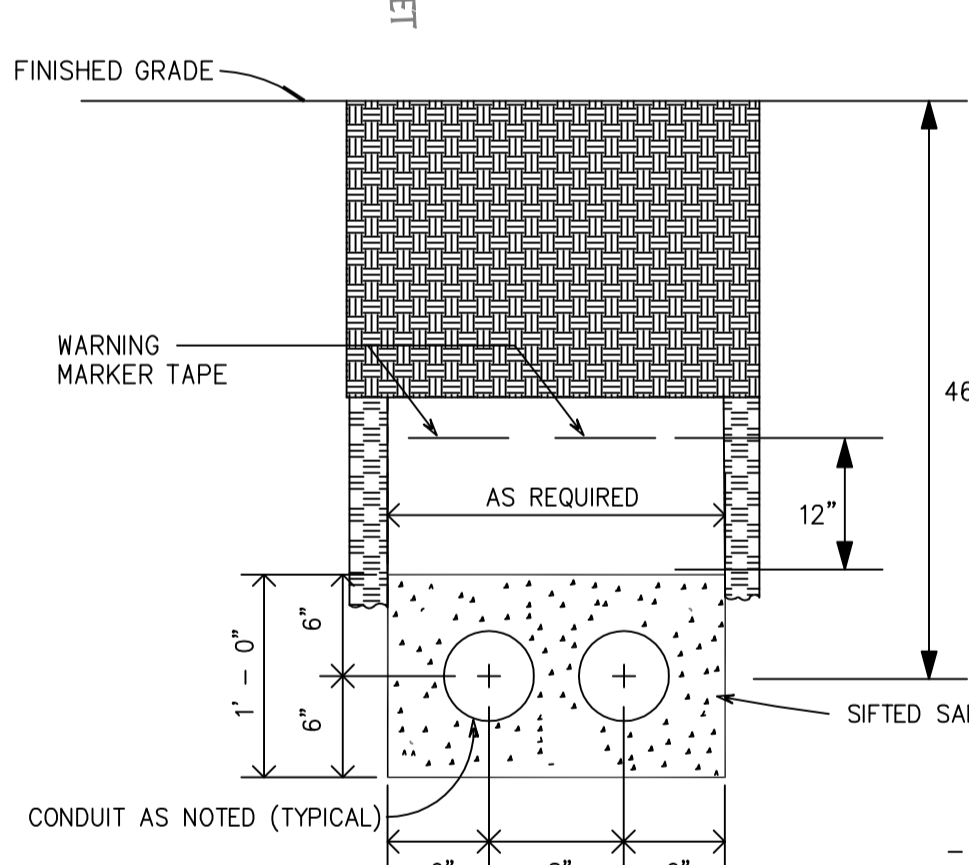
6a PAD MOUNT TX-500 KVA (EST.)
 ES101 | ES101 N.T.S.

NOTES:
 1. REFER TO GENERAL NOTES ON THIS DRAWING.

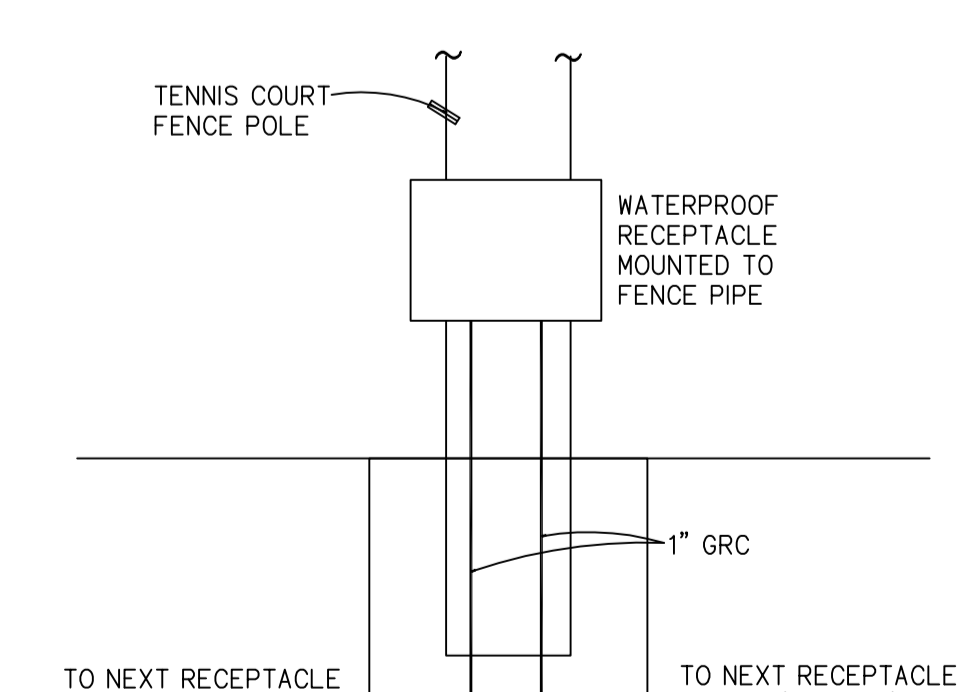
6 EXTERIOR TRANSFORMER PAD DETAIL
 ES101 | ES101 SCALE: NONE

- NOTES:**
- FOUR COPPERWELD GROUND RODS AND A #4/0 AWG BARE COPPER GROUNDING GRID SHALL BE INSTALLED AND CONNECTED WITH (5) APPROVED GROUND GRID CONNECTORS AS SHOWN.
 - THE GROUND GRID "TAILS" SHALL BE BROUGHT, BELOW GRADE, INTO THE FOUNDATION WINDOW AS SHOWN.
 - THE GROUND RODS, GROUND GRID, PRIMARY NEUTRALS, SECONDARY NEUTRALS, TRANSFORMER TANK AND CONDUITS SHALL ALL BE EFFECTIVELY BONDED TOGETHER.
 - ALL GROUNDING AND BONDING SHALL BE DONE WITH COPPER WIRE. THE MINIMUM CONDUCTOR SIZE FOR BONDING METAL CONDUITS IS #4 AWG BARE COPPER; ALUMINUM WIRE IS NOT ACCEPTABLE.
 - GROUNDING BUSHINGS SHALL BE USED FOR BONDING ALL METAL CONDUITS.
 - THE GROUND GRID AND ASSOCIATED CONNECTIONS REQUIRE U.I. INSPECTION PRIOR TO BACKFILLING THE COMPACTED BASE OF CRUSHED STONE OF 12" MINIMUM DEPTH SHALL BE INSTALLED ON A LEVEL COMPACTED SUB-GRADE WITH A MINIMUM SOIL BEARING CAPACITY OF 1,000 POUNDS PER SQUARE FOOT.
 - CONCRETE SHALL CONFORM WITH ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AND SHALL HAVE A MINIMUM ULTIMATE STRENGTH (FC) OF 3,000 PSI AT 28 DAYS, A MAXIMUM OF 1 1/2" COARSE AGGREGATE, AND AIR ENTRAINMENT FOR A TOTAL AIR CONTENT OF 3% - 6% BY VOLUME.
 - REINFORCING STEEL SHALL BE NEW, DEFORMED BARS MEETING ASTM A615 SPECIFICATIONS FOR GRADE NO. 60 STEEL. THE REINFORCING SHOWN IS TYPICAL FOR FIELD FABRICATION.
 - A PRE-CAST FOUNDATION WILL REQUIRE LIFTING EYES AND MAY REQUIRE ADDITIONAL REINFORCING TO HANDLE THE STRESSES OF TRANSPORTATION AND SETTING IN PLACE.
 - THE TOP SURFACE SHALL BE SMOOTH AND LEVEL WITH A 1" CHAMFER ALONG THE UPPER EDGES.
 - THE LOCATION AND ORIENTATION OF THE FOUNDATION MUST BE APPROVED BY U.I. PRIOR TO THE START OF CONSTRUCTION. SEE U.I. STANDARDS 20501, 20503, 23006 FOR LOCATION AND INSTALLATION REQUIREMENTS.

4 TRENCH DETAIL
 ES101 | ES101 SCALE: NONE



5 TENNIS COURT FENCE PIPE DETAIL
 ES101 | ES101 SCALE: NONE



0 SITE PLAN
 ES101 | ES101 SCALE: 1" = 50'

SITE PLAN SYMBOLS

- [Symbol] - EXTERIOR MOUNT UTILITY TRANSFORMER FURNISH AND INSTALL UI TRANSFORMER CAST IN PLACE PAD
- [Symbol] - EMERGENCY / STAND-BY GENERATOR
- [Symbol] - 3 #6 + G IN 1" CONDUIT (TYPICAL) UNLESS OTHERWISE NOTED
- [Symbol] - 3 #6 + G IN 1" CONDUIT (TYPICAL) TO SITE LIGHTING CONTROL
- [Symbol] - 4' x 4' QUAZITE BOX
- [Symbol] - 2' x 2' QUAZITE BOX
- [Symbol] - 4' x 6' QUAZITE BOX H2O LOADING
- [Symbol] - 3' x 5' QUAZITE BOX H2O LOADING
- (2) - FURNISH AND INSTALL (2)
- FP - FLAG POLE

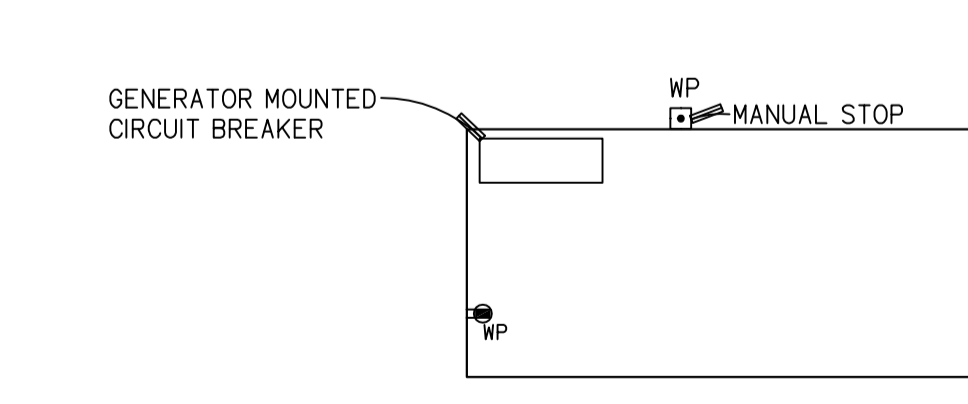
SITE PLAN NOTES

- NOT USED
- NOT USED
- NOT USED
- NOT USED
- PROVIDE DETAILED VOLTAGE DROP CALCULATIONS PRIOR TO INSTALLATION.
- PROVIDE DETAILED SUBMITTAL OF ELECTRICAL SITE CONDUITS PRIOR TO INSTALLATION.
- NOT USED
- REFER TO SPECIFICATION 260500 FOR ADDITIONAL INFORMATION
- REFER TO SPECIFICATION 260500 FOR VOLTAGE DROP CRITERIA AND CONDUCTOR SIZING.
- MAINTAIN 10' OF CLEARANCE BETWEEN UTILITY TRANSFORMER AND EMERGENCY GENERATOR.
- BRING BOTH ENDS OF GROUNDING LOOP INTO GROUND BOX LOCATED IN MIDDLE LEVEL MAIN ELECTRICAL ROOMS. REFER TO DETAIL #7,9,10 ON E-701
- COORDINATE WITH ARCHITECTURAL DOCUMENTS.
- FURNISH LINK SEALS AND SLEEVES FOR SLAB ON GRADE PENETRATIONS REFER TO DETAIL #1 ON DRAWING E701.
- NOT USED
- FURNISH AND INSTALL 36" RADIUS SWEEPS FOR CONDUITS.
- FURNISH AND INSTALL 1/4" ROPE IN CONDUITS.
- FURNISH AND SHOP DRAWING WITH LUMINAIRE OPTICAL DISTRIBUTION
- REFER TO ARCHITECTURAL DRAWINGS FOR ROOM LOCATIONS AND ADDITIONAL INFORMATION.
- IT IS THE INTENT OF THESE DOCUMENTS TO INSTALL CONDUITS BELOW SLAB WHERE EVER POSSIBLE.
- REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION
- PROVIDE 2#6+G IN 1" RIGID CONDUIT FOR ALL EXTERIOR SECURITY DEVICES.

DRAWING NOTES

- INSTALL CONDUITS UNDER SLAB
- INSTALL CONDUITS IN TUNNEL BELOW
- REFER TO E-401 FOR ADDITIONAL INFORMATION
- GROUND LOOP REFER TO SPECIFICATION 260500.

7 GENERATOR
 ES101 | ES101 SCALE: NONE



CMR BID DOCUMENTS

STATE OF CONNECTICUT
 DEPARTMENT OF PUBLIC WORKS

REVISIONS

Mark	Date	Description
7	9-2012	ADDENDUM #1

CONSULTANT: Altieri/Sebor/Wieber LLC
 Consulting Engineers
 31 Knight Street, New Britain, Connecticut 06051
 Tel: 203-866-5338 Fax: 203-866-5343

DRAWING TITLE: SITE PLAN ELECTRICAL

DRAWING PREPARED BY: ANTONOZZI ASSOCIATES, ARCHITECTS
 271 FAIRFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604

PROJECT: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS
 71 JONES ROAD HAMDEN, CT 06514

DRAWING NO.: ES-101

DATE: 08-18-2012

SCALE: AS NOTED

APPROVED BY: J.R. J.M.L.

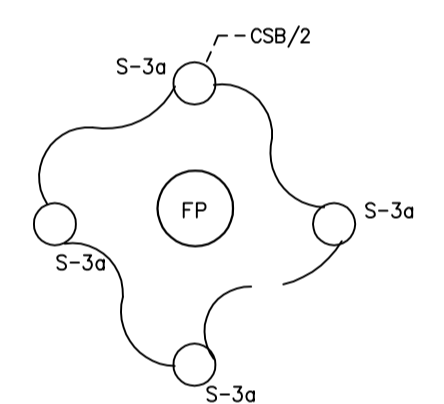
PROJECT NO.: BI-RT-837

REV 07/10/12 DB:26

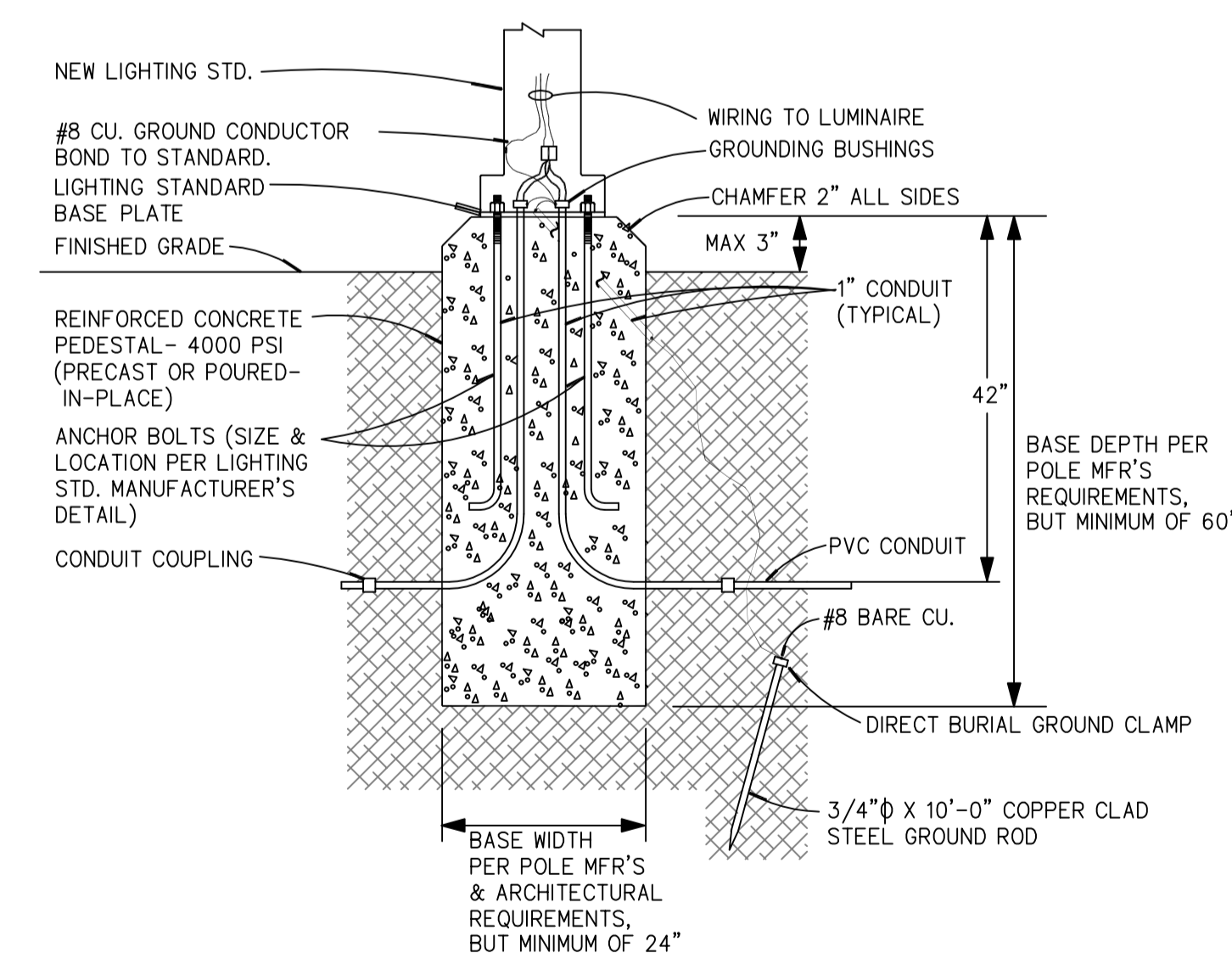
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REV 02/07/2007 17:15

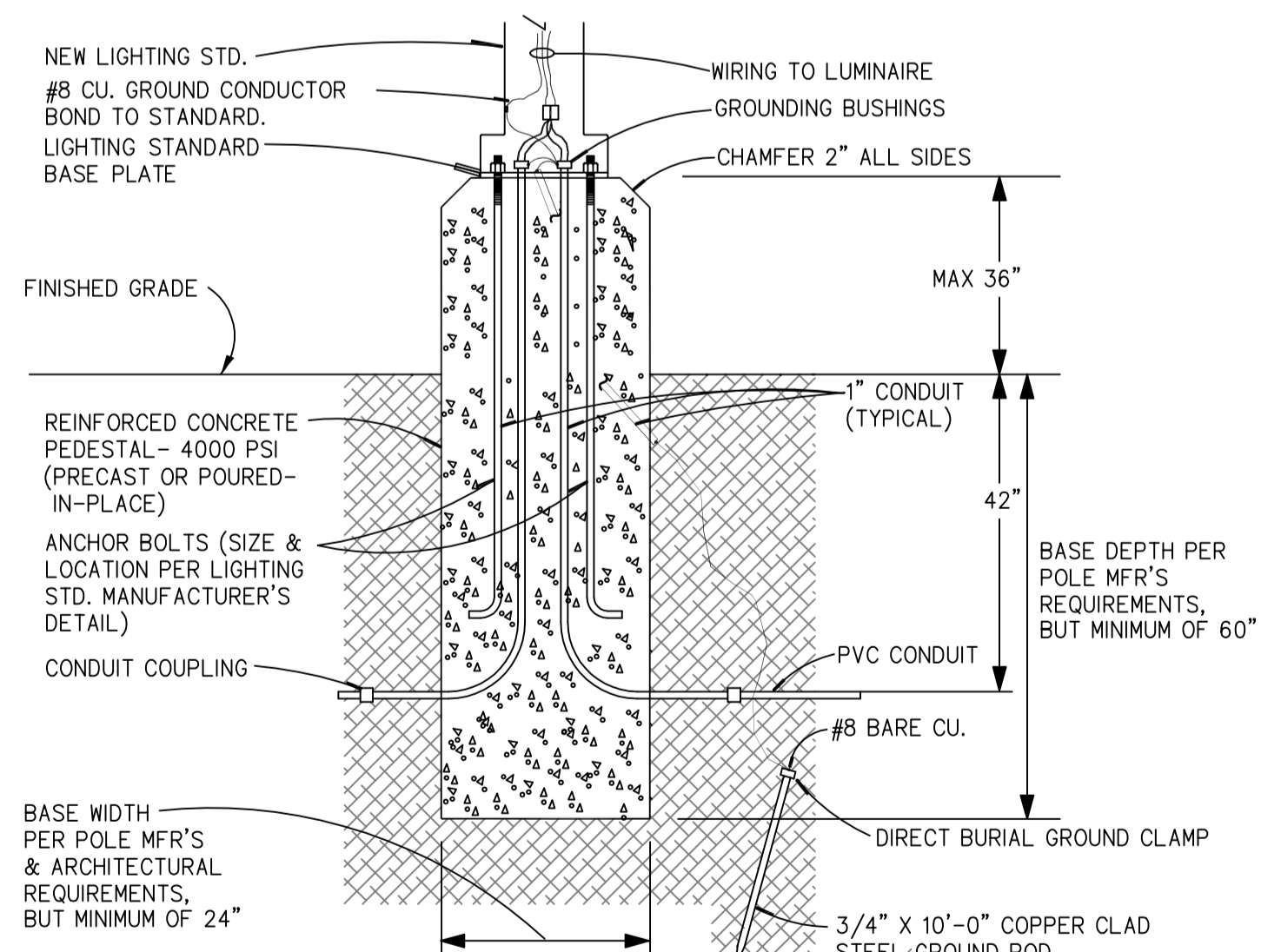
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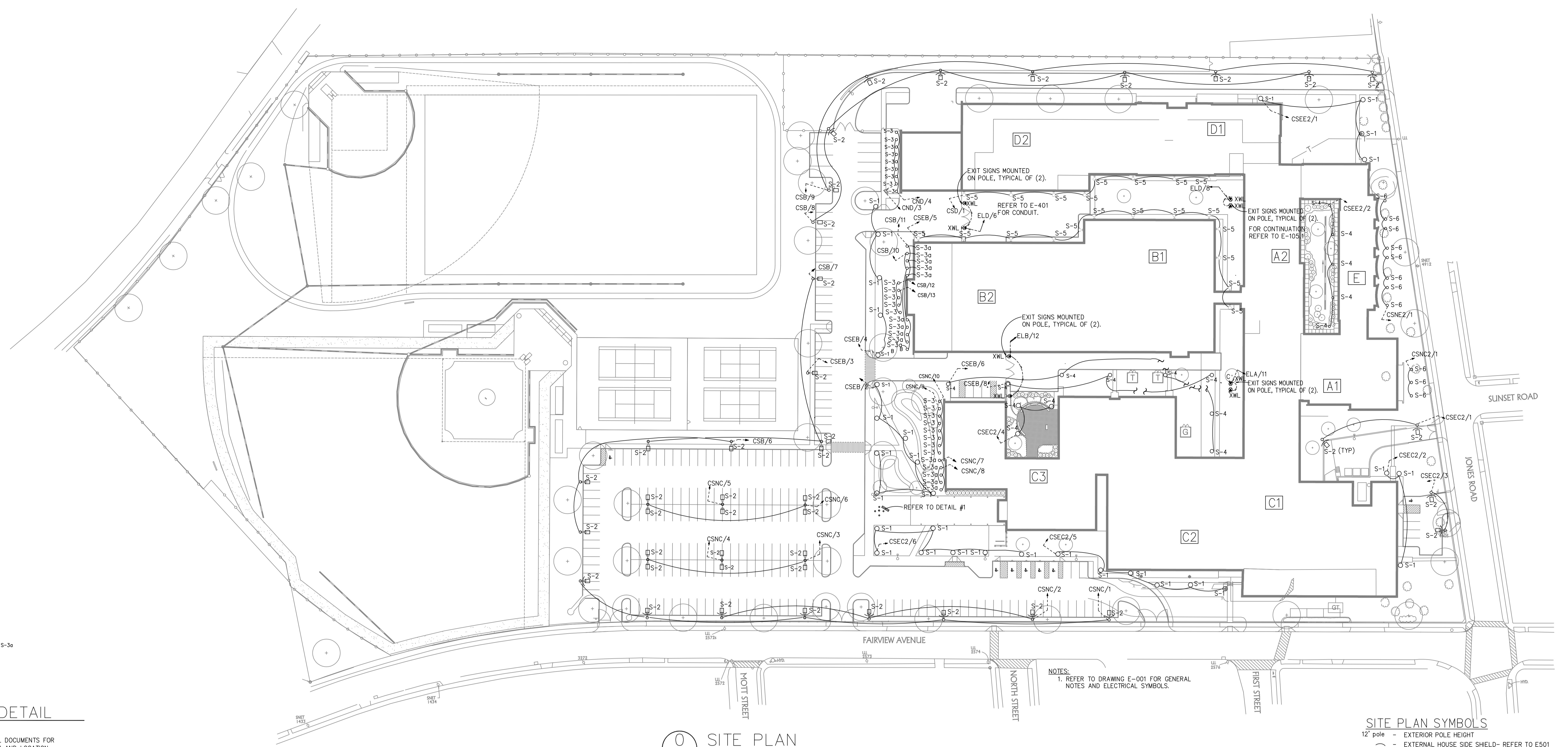
1 LIGHTING DETAIL
 ES102 | ES102 SCALE: NONE
 COORDINATE WITH CIVIL DOCUMENTS FOR PAVING CONFIGURATION AND LOCATION.



3 LIGHTING STANDARD (FOUNDATION) DETAIL
 ES102 | ES102 SCALE: NONE
 NOTE: PROVIDE 1/2" OF NON-SHRINK GROUT BETWEEN LIGHTING STANDARD BASE PLATE AND CONCRETE.
 THE MINIMUM DISTANCE OF ALL POST LIGHTS FROM THE INSIDE EDGE OF A DRIVEWAY OR PARKING SPACE CURB SHALL BE TWO FEET (2').



2 LIGHTING STANDARD (FOUNDATION) DETAIL
 ES102 | ES102 SCALE: NONE
 NOTE: PROVIDE 1/2" OF NON-SHRINK GROUT BETWEEN LIGHTING STANDARD BASE PLATE AND CONCRETE.
 THE MINIMUM DISTANCE OF ALL POST LIGHTS FROM THE INSIDE EDGE OF A DRIVEWAY OR PARKING SPACE CURB SHALL BE TWO FEET (2').



0 SITE PLAN
 ES102 | ES102 SCALE: 1" = 50'

NOTES:
 1. REFER TO DRAWING E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.

- SITE PLAN SYMBOLS**
- 12' pole - EXTERIOR POLE HEIGHT
 - - EXTERNAL HOUSE SIDE SHIELD- REFER TO E501
 - - EXTERIOR BOLLARD
 - S-1 ○ - EXTERIOR POST LIGHT
 - S-3 ○ - EXTERIOR WELL LIGHT
 - TYPE 3 - PROVIDE TYPE 3 OPTICAL DISTRIBUTION
 - TYPE 5 - PROVIDE TYPE 5 OPTICAL DISTRIBUTION

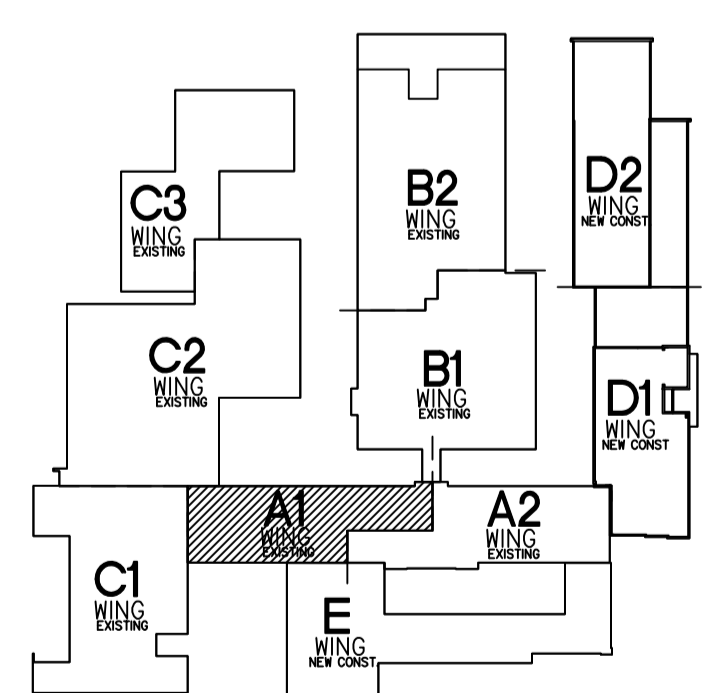
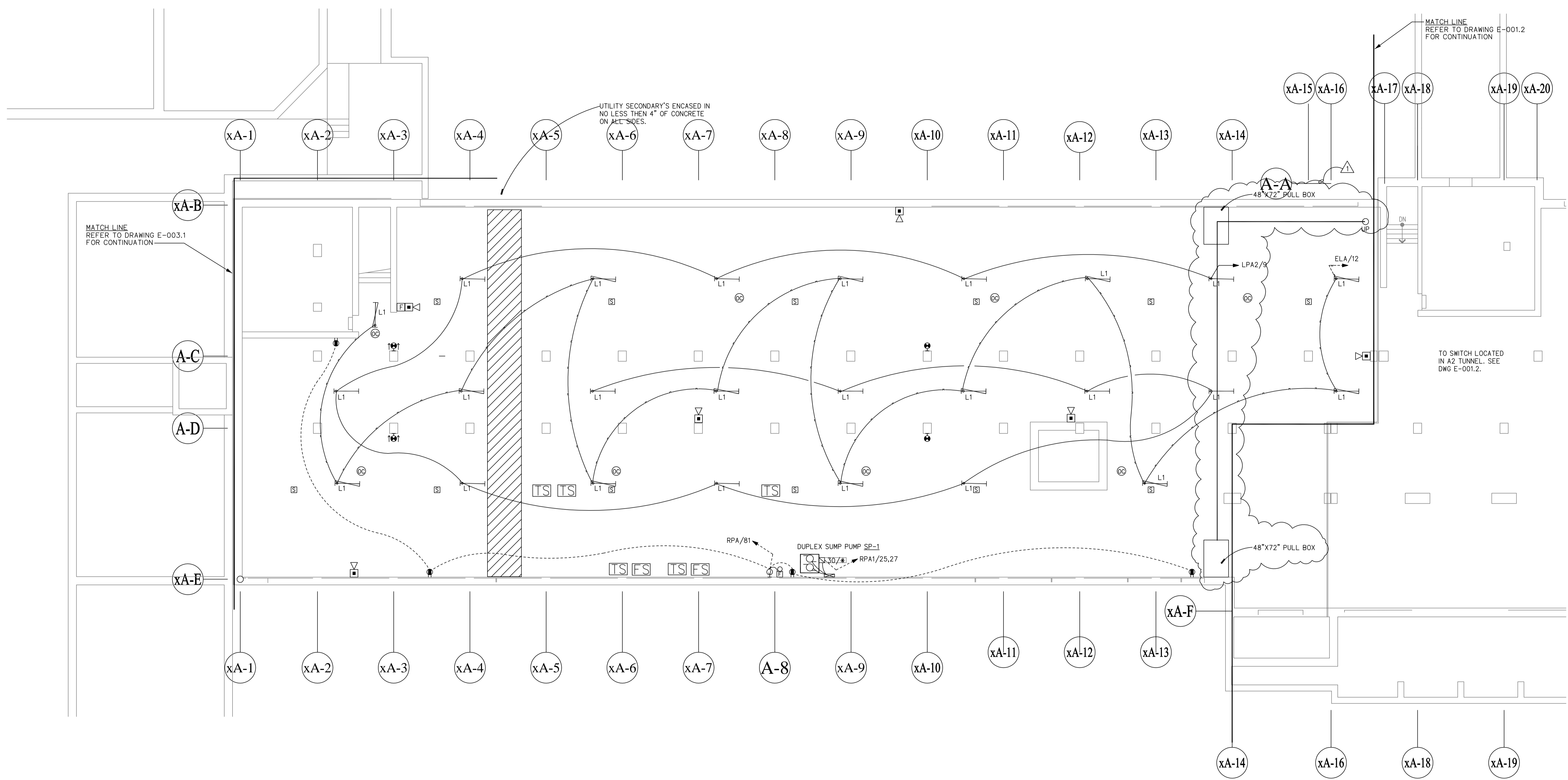
- SITE PLAN NOTES**
1. - PROVIDE 12' POLE FOR LIGHT FIXTURE S-2a.
 2. - FOR LUMINAIRE S-1 AND S-4 USE FOUNDATION DETAIL #3.
 3. - FOR LUMINAIRE S-2 USE FOUNDATION DETAIL #2.
 4. - UNLESS OTHERWISE NOTED PROVIDE TYPE V OPTICAL DISTRIBUTION.
 5. - PROVIDE DETAILED VOLTAGE DROP CALCULATIONS PRIOR TO INSTALLATION.
 6. - PROVIDE DETAILED SUBMITTAL OF ELECTRICAL SITE CONDUITS PRIOR TO INSTALLATION.
 7. - REFER TO SPECIFICATION 265000 FOR LUMINAIRE SCHEDULE.
 8. REFER TO SPECIFICATION 260500 FOR ADDITIONAL INFORMATION.
 9. REFER TO SPECIFICATION 260500 FOR VOLTAGE DROP CRITERIA AND CONDUCTOR SIZING.
 10. - MAINTAIN 10' OF CLEARANCE BETWEEN UTILITY TRANSFORMER AND EMERGENCY GENERATOR.
 11. - BRING BOTH ENDS OF GROUNDING LOOP INTO GROUND BOX LOCATED IN MIDDLE LEVEL MAIN ELECTRICAL ROOMS.
 12. - COORDINATE WITH ARCHITECTURAL DOCUMENTS.
 13. - FURNISH LINK SEALS AND SLEEVES FOR SLAB ON GRADE PENETRATIONS REFER TO DETAIL #1 ON DRAWING E701.
 14. - TRANSITION SITE LIGHTING CONDUITS FROM PVC TO EMT UPON ENTRANCE INTO BUILDING. FURNISH AND INSTALL STEEL COMPRESSION FITTINGS FOR EMT INSTALLATION.
 15. - FURNISH AND INSTALL 36" RADIUS SWEEPS FOR CONDUITS.
 16. - FURNISH AND INSTALL 1/4" ROPE IN CONDUITS.
 17. - FURNISH AND SHOP DRAWING WITH LUMINAIRE OPTICAL DISTRIBUTION
 18. - REFER TO ARCHITECTURAL DRAWINGS FOR ROOM LOCATIONS AND ADDITIONAL INFORMATION.
 19. - IT IS THE INTENT OF THESE DOCUMENTS TO INSTALL CONDUITS BELOW SLAB WHERE EVER POSSIBLE.
 20. - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION
 21. - PROVIDE 2#6x6 IN 1" RIGID CONDUIT FOR ALL EXTERIOR SECURITY DEVICES.



CMR BID DOCUMENTS


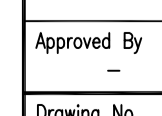
Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, New Rochelle, Connecticut 06851 Tel: 203-866-5338		Drawing Title: SITE PLAN LIGHTING		State of Connecticut DEPARTMENT OF PUBLIC WORKS								
Professional Seal & Signature: 		Revisions: <table border="1"> <thead> <tr> <th>Mark</th> <th>Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Δ</td> <td>7-9-2012</td> <td>ADDENDUM #1</td> </tr> </tbody> </table>		Mark	Date	Description	Δ	7-9-2012	ADDENDUM #1	Drawing Prepared By: ANTINOZZI ASSOCIATES, ARCHITECTS 271 FARMFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604		Date: 08-18-2012
Mark	Date	Description										
Δ	7-9-2012	ADDENDUM #1										
Original Seal and Signature is Blue		Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514		Scale: AS NOTED								
Project No.: BI-RT-837		Drawing No.: ES-102		Approved By: J.R. J.M.L.								

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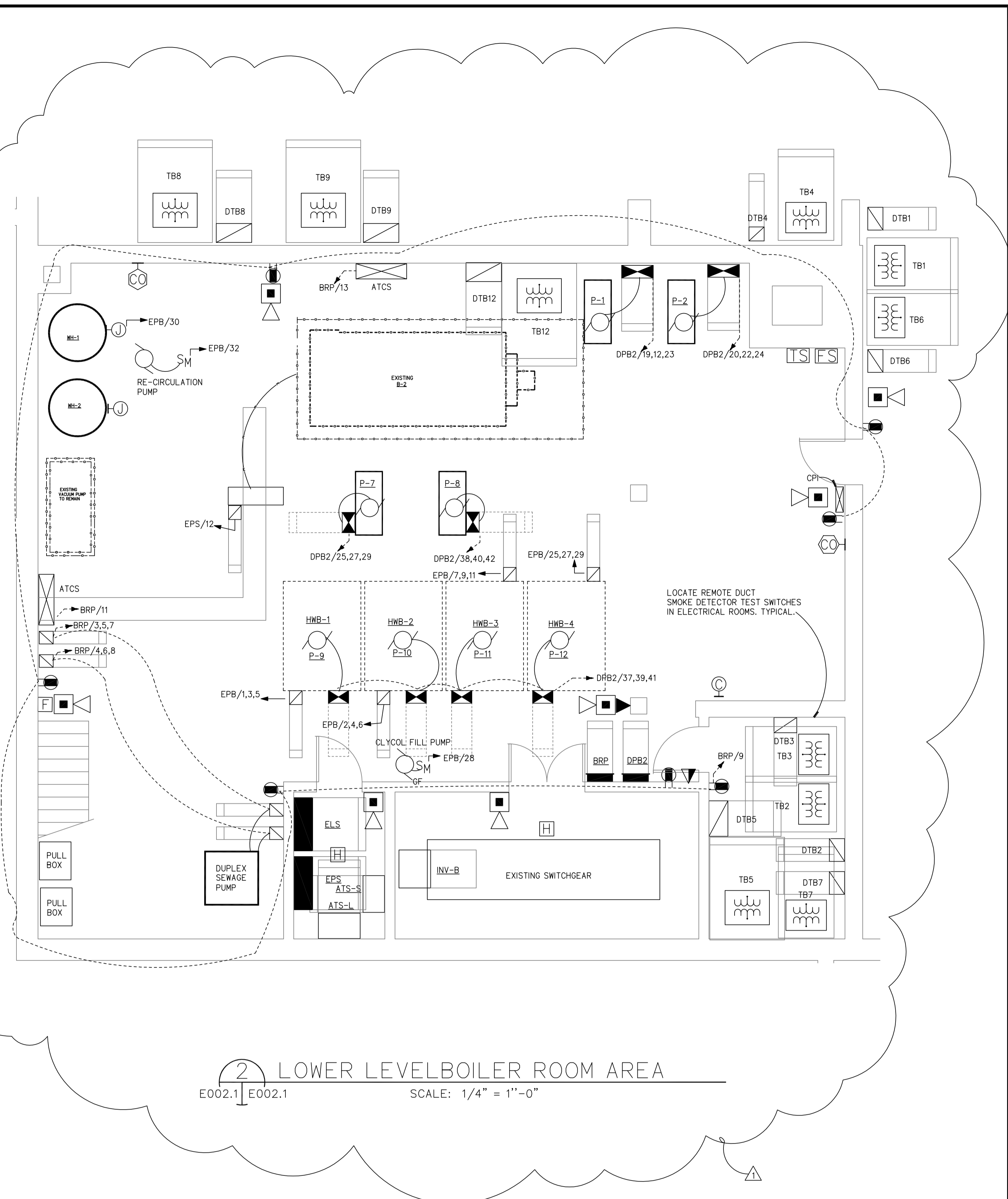
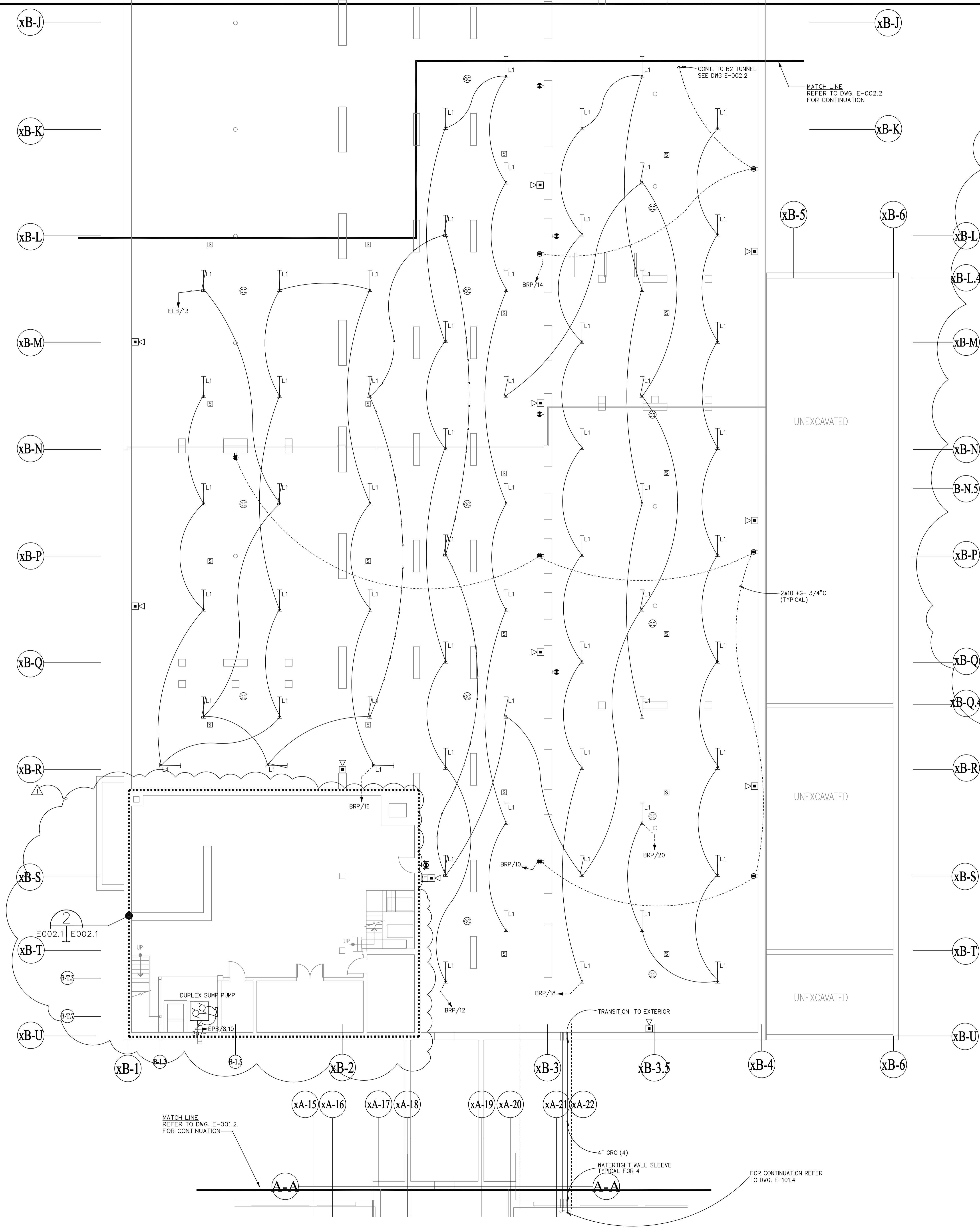


TUNNEL LEVEL KEY PLAN
SCALE: NOT TO SCALE

NOTES:
1. REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.
2. REFER TO ER-100 FOR REMOVAL GENERAL NOTES AND REMOVAL DRAWING NOTES.

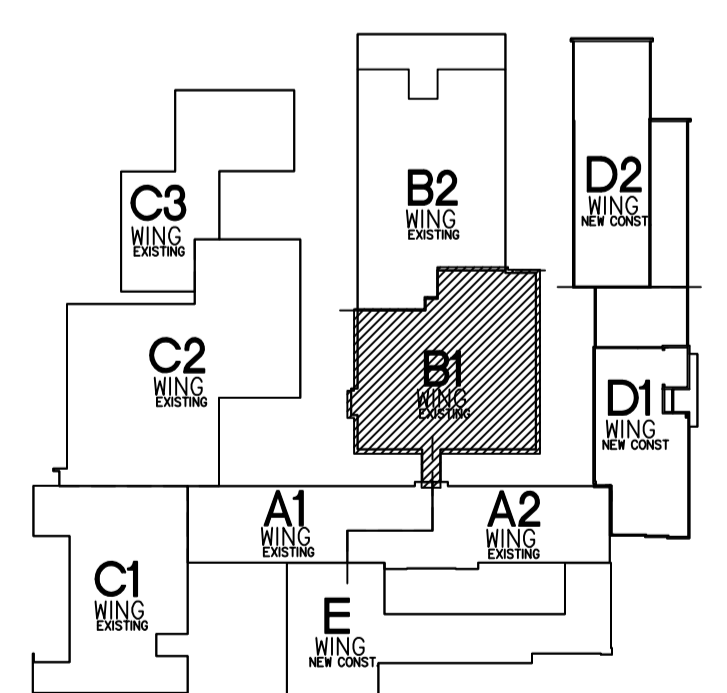
Consultant Alteri/SeborWieber LLC Consulting Engineers 31 Knight Street, Newark, Connecticut 06851 Tel: 203-866-5338 Fax: 203-866-5343	Drawing Title AREA A1 TUNNEL PLAN - LIGHTING & ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
	Professional Seal & Signature 		Drawing Prepared By ANTIKOZZI ASSOCIATES, ARCHITECTS 271 PARKFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604	
Date 7-9-2012		Description ADDENDUM #1		Date 08-18-2012
Project ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514		Project No. BI-RT-837		Scale 1/8"=1'-0"
Drawing No. E-001.1		Drawing No. E-001.1		Approved By 

CMR BID DOCUMENTS



2 LOWER LEVEL BOILER ROOM AREA
E002.1 | E002.1
SCALE: 1/4" = 1'-0"

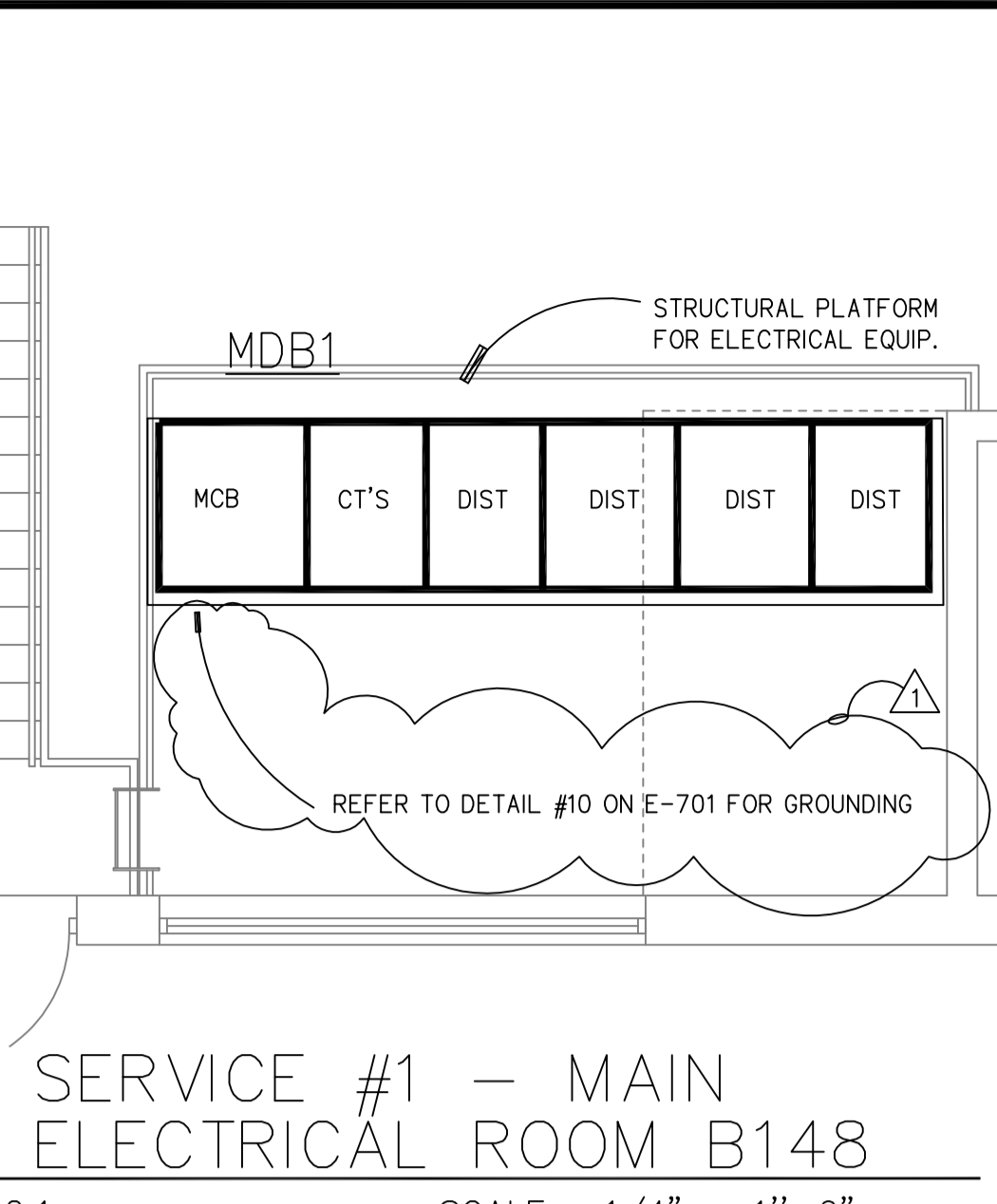
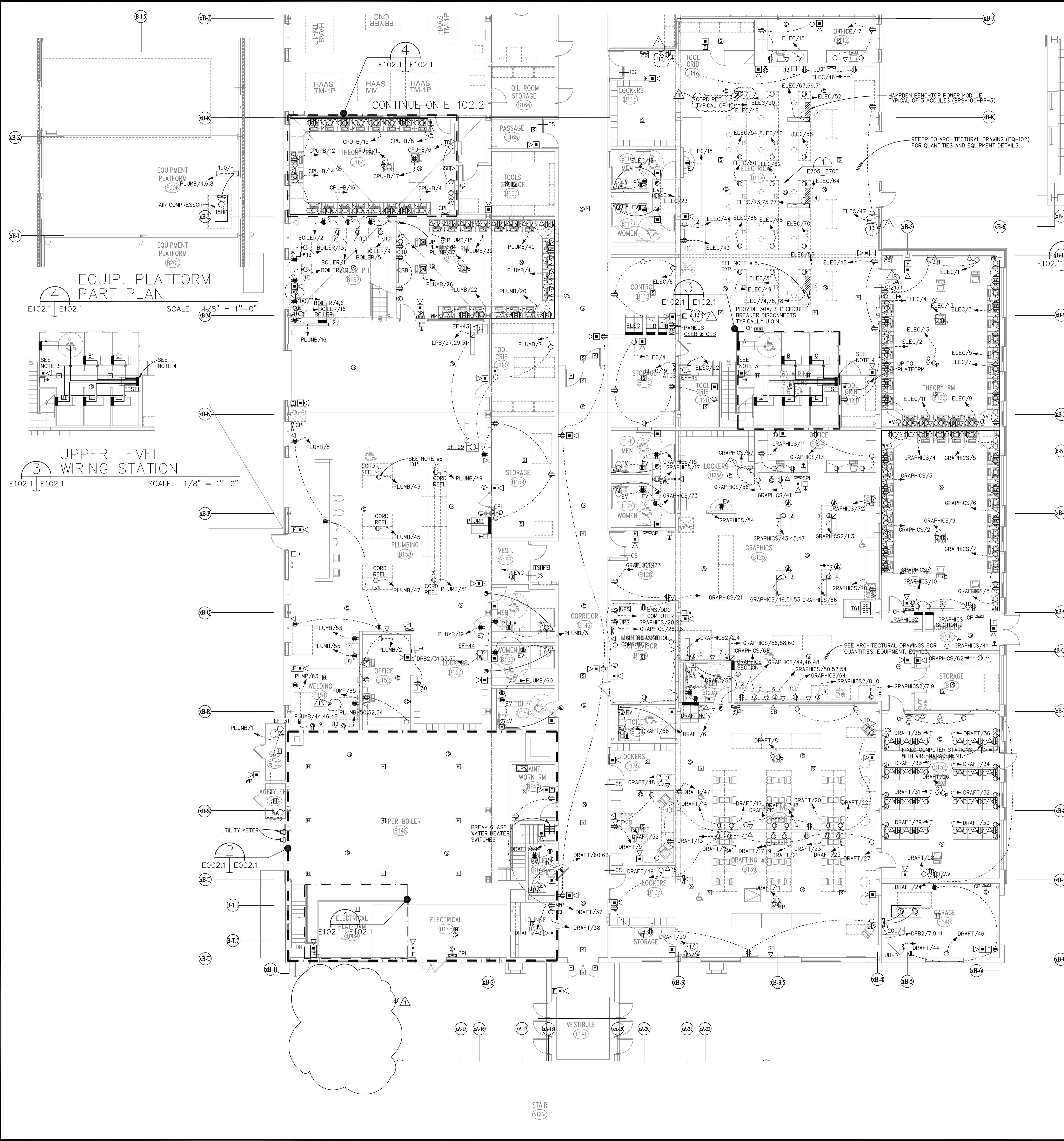
- NOTES:
- 1. REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.
 - 2. REFER TO ER-100 FOR REMOVAL GENERAL NOTES AND REMOVAL DRAWING NOTES.



TUNNEL LEVEL KEY PLAN
SCALE: NOT TO SCALE

CMR BID DOCUMENTS

Consultant: Alteri/SeborWieber LLC Consulting Engineers 31 Knight Street, Norwalk, Connecticut 06851 Tel: 203-866-5338 Fax: 203-866-5343	Drawing Title: AREA B1 TUNNEL PLAN - LIGHTING & ELECTRICAL	STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS
Professional Seal & Signature: 	Mark:	REVISIONS
Original Seal and Signature is Blue	Work: 7-9-2012	Date: 08-18-2012
	Date: 045106E	Scale: 1/8"=1'-0"
	Description: ADDENDUM #1	Drawn By:
	Mark:	Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514
	Drawn By:	Approved By:
	Drawn By:	Drawing No. E-002.1
	Drawn By:	Project No. BI-RT-837



STRUCTURAL PLATFORM FOR ELECTRICAL EQUIP.
MDB1
REFER TO DETAIL #10 ON E-701 FOR GROUNDING

SERVICE #1 - MAIN ELECTRICAL ROOM B148
SCALE: 1/4" = 1'-0"

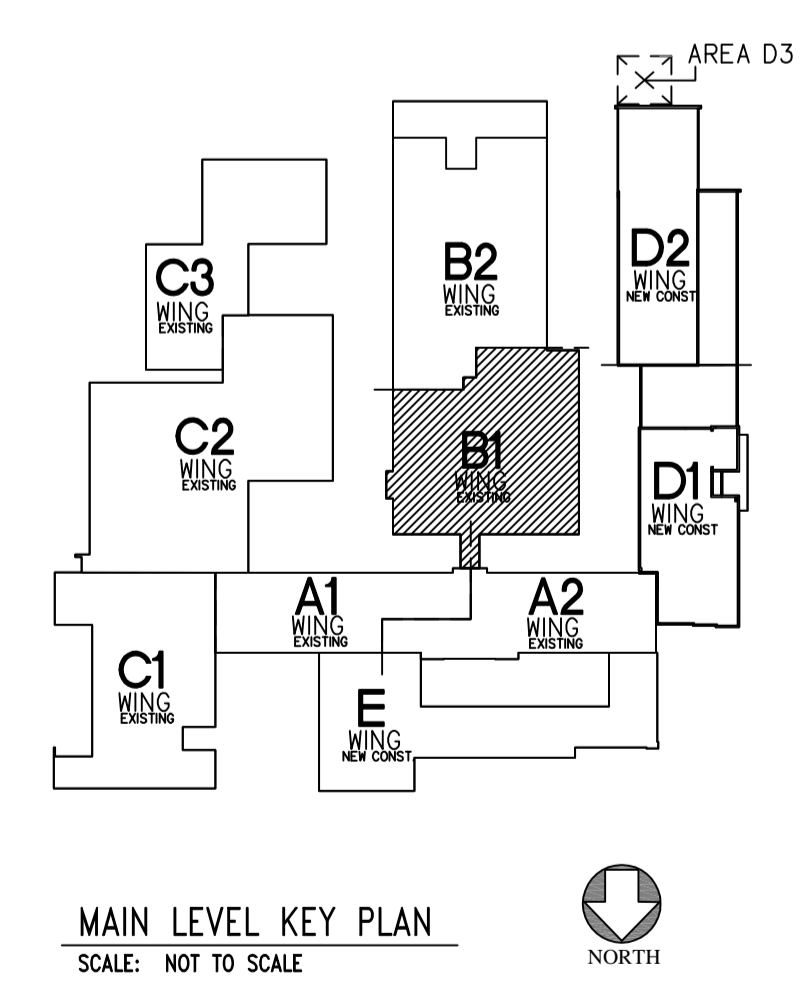
SHOP EQUIPMENT SCHEDULE - ELECTRICAL SHOP			
ITEM#	DESCRIPTION	CORD CAP TYPES	"SO" TYPE OF CABLE
1	30"x84" TABLE	-	-
2	(12) WORK BOOTHS * WOOD STEPS	-	-
3	CONDUIT STORAGE RACKS	-	-
4	POWER CONSOLE	NEMA L21-30R NEMA L21-30P	#10-5
5	-	-	-
6	STORAGE & TOOL CABINET	-	-
7	-	-	-
8	DISCUSSION TABLE	-	-
9	TOOL BOX RACKS	-	-
10	-	-	-
11	1/2" DRILL PRESS	-	-
12	10" GRINDER	-	-
13	EMERGENCY DISCONNECT	-	-

SHOP EQUIPMENT SCHEDULE - GRAPHICS SHOP			
ITEM#	DESCRIPTION	CORD CAP TYPES	TYPE OF CABLE
1	DIGITAL PRESS	NEMA L21-30R NEMA L21-30P	#10-5
2	OFF SET PRESS	NEMA L21-30R NEMA L21-30P	#10-5
3	OFF SET PRESS	NEMA L21-30R NEMA L21-30P	#10-5
4	WIDE FORMAT PRINTER	NEMA L21-30R NEMA L21-30P	#10-5
5	CHALLENGER PAPER CUTTER	NEMA L21-30R NEMA L21-30P	#10-5
6	CHALLENGER PAPER DRILL	NEMA L21-30R NEMA L21-30P	#10-5
7	BAUM FOLDER	-	-
8	AFGA IMAGE SETTER/PROCESSOR	-	-
9	NU-ARC PLATE MAKER	NEMA L21-30R NEMA L21-30P	#10-5
10	3-4" 1124 PROCESSOR	NEMA L21-30R NEMA L21-30P	#10-5
11	SHRINK WRAP	-	-
12	STITCHER	-	-
16	COPY MACHINE	-	-

SHOP EQUIPMENT SCHEDULE - PLUMBING SHOP			
ITEM#	DESCRIPTION	CORD CAP TYPES	"SO" TYPE OF CABLE
1A	BOILER (GAS FIRED)	-	-
1B	BOILER (GAS FIRED)	-	-
1C	BOILER (GAS FIRED)	-	-
1D	BOILER (GAS FIRED)	-	-
1E	BOILER (GAS FIRED)	-	-
2	FLOOR MOUNTED TOILETS	-	-
3	275 GAL. OIL TANK	-	-
4	LP GAS CYLINDER	-	-
5	HUNG LAVATORY	-	-
6	WELDING CURTAIN	-	-
7	PIPE RACK	-	-
8	HUNG URINALS	-	-
9	WELDING BENCH	NEMA 15-60R NEMA 15-60P	#6-4
10	EXHAUST HOOD	-	-
11	WORK BENCH	-	-
12	TOOL STORAGE CABINET	-	-
13	HOT & COLD WATER SHUT OFF VALVE	-	-
14	SANITARY VALVE W/BACKFLOW PREVENTER	-	-
17	DRILL PRESS	-	-
18	PEDESTAL GRINDER	-	-
19	PLASMA CUTTER	-	-
20	ELECTRICAL PANAL	-	-
21	GEOMETRICAL GOOGLE CABINET	-	-
31	POWER CHORD REELS	-	-

SHOP EQUIPMENT SCHEDULE - Drafting SHOP			
ITEM#	DESCRIPTION	CORD CAP TYPES	"SO" TYPE OF CABLE
14	3D PRINTER	-	-
15	PRINTER- COLOR LASER JET	-	-
16	PRINTER- COLOR LASER JET	-	-
17	PRINTER-LASER JET	-	-
18	COMPUTERS	-	-

- NOTES:
- REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.
 - REFER TO ER-100 FOR REMOVAL GENERAL NOTES AND REMOVAL DRAWING NOTES.
 - NOT USED.
 - NOT USED.
 - REFER TO ARCHITECTURAL DRAWINGS FOR EQUIPMENT DETAILS.
 - FOR CORD REEL WIRING REFER TO DETAILS ON DRAWING E-705. TYPICAL FOR ALL CORD REELS. REFER TO EQUIPMENT SCHEDULE FOR WIRE TYPE AND CORD CAP TYPES.
 - REFER TO DETAILS ON DRAWING E-705 FOR WIRING DETAILS. TYPICAL. REFER TO EQUIPMENT SCHEDULE FOR WIRE TYPE AND CORD CAP TYPES.
 - REFER TO DETAILS ON DRAWING E-705 FOR WIRING DETAIL. FOR ALL JUNCTION BOX FED EQUIPMENT CONNECTIONS. REFER TO EQUIPMENT SCHEDULE FOR WIRE TYPE AND CORD CAP TYPES. TYPICAL.
- COORDINATE THE LOCATION OF THESE EQUIPMENTS WITH OWNER AS REQUIRED.

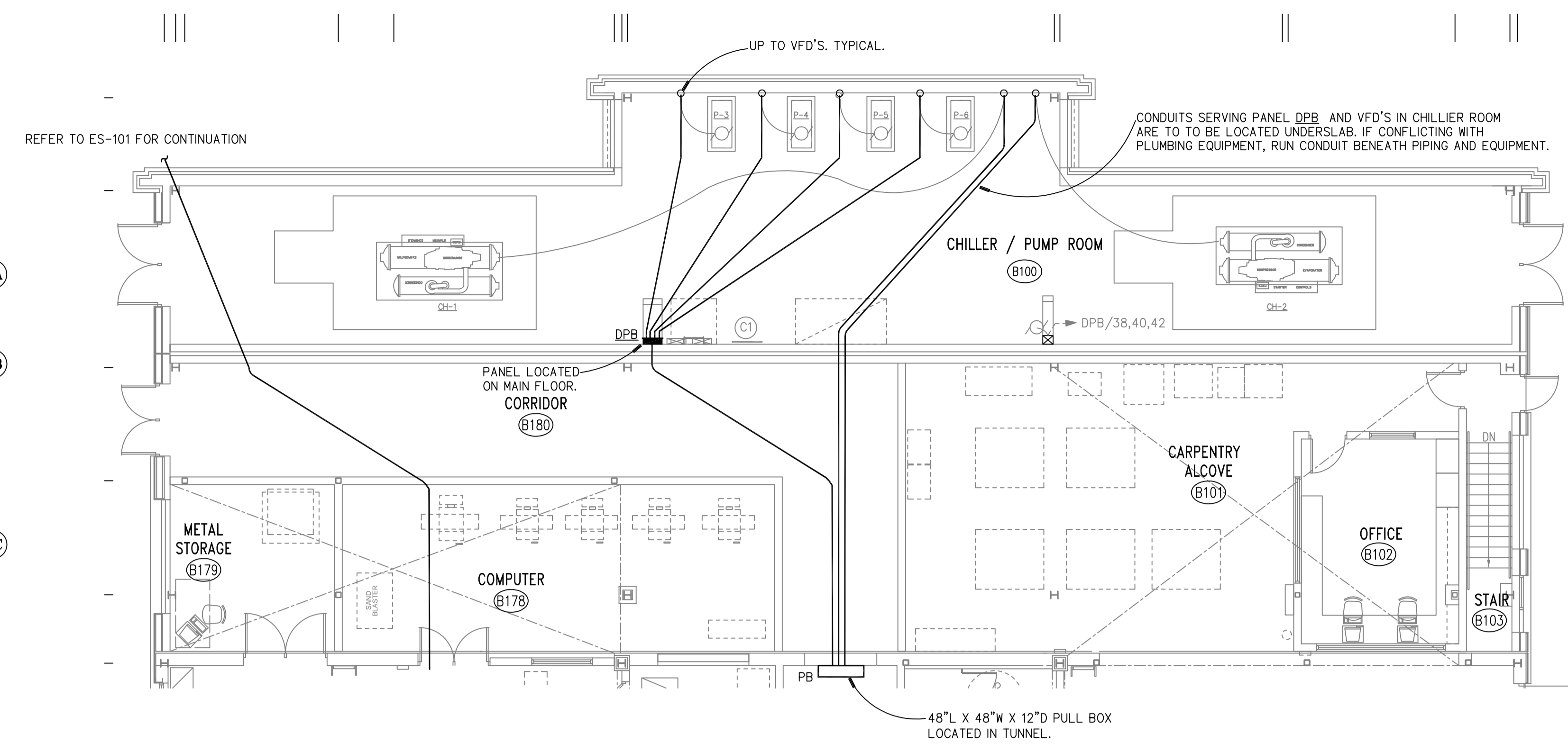
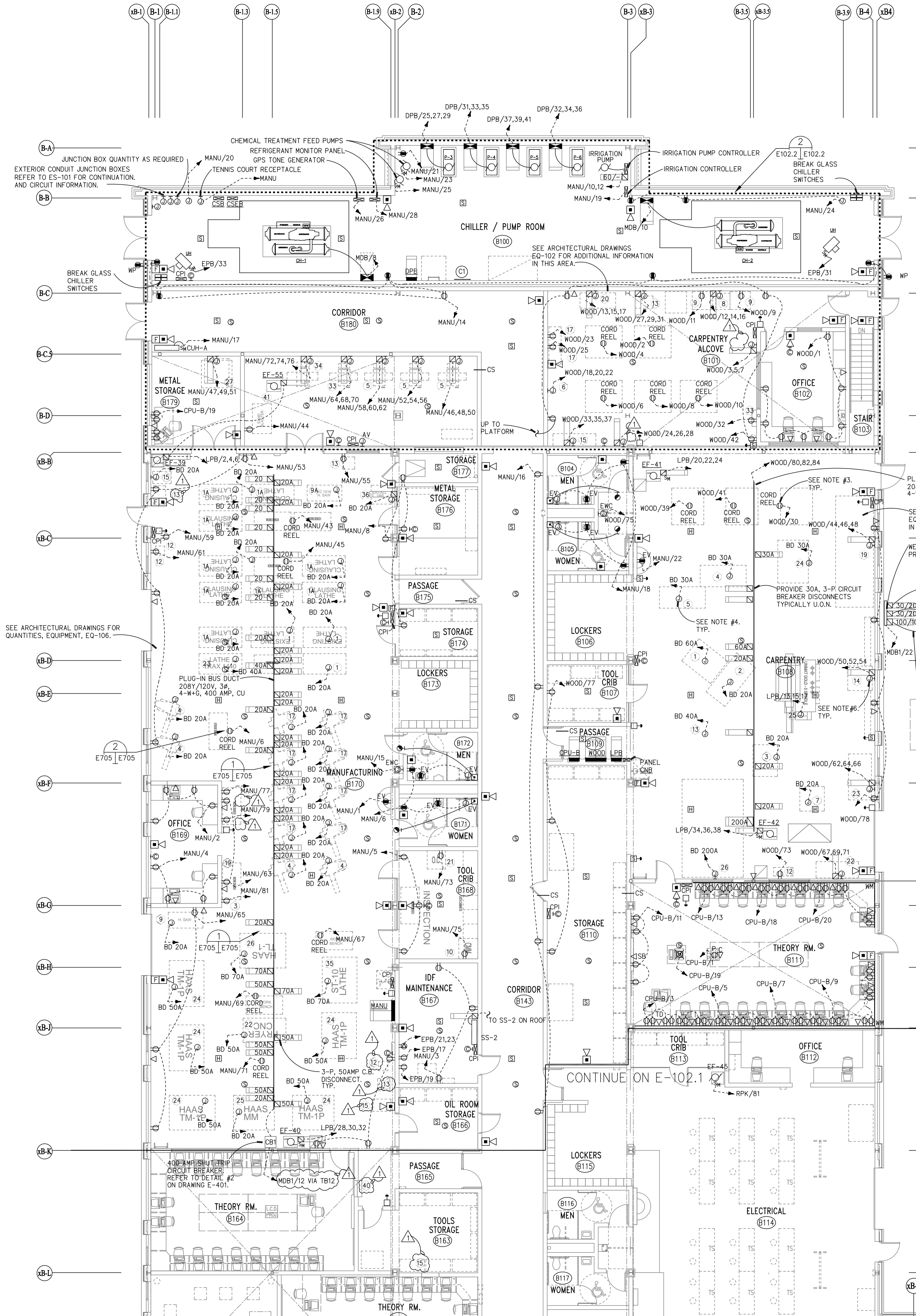


MAIN LEVEL KEY PLAN
SCALE: NOT TO SCALE

CMR BID DOCUMENTS

Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, New Britain, Connecticut 06051 Tel: 203-866-5338	Drawing Title: AREA B1 MAIN LEVEL POWER		State of Connecticut DEPARTMENT OF PUBLIC WORKS						
	Professional Seal & Signature: 		Drawing Prepared By: ANTONOZZI ASSOCIATES, ARCHITECTS 271 PARKFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604						
Revisions: <table border="1"> <thead> <tr> <th>Mark</th> <th>Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Δ</td> <td>7-9-2012</td> <td>ADDENDUM #1</td> </tr> </tbody> </table>		Mark	Date	Description	Δ	7-9-2012	ADDENDUM #1	Date: 06-18-2012	
Mark	Date	Description							
Δ	7-9-2012	ADDENDUM #1							
Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514		Scale: AS NOTED							
Drawing No.: E-102.1		Approved By: 							
Project No.: B1-RT-837		Drawing No.: E-102.1							

FILE:04819 REV:02/07/2007 17:15
 FILE:04819 REV:02/26/08 19:03
 REV:02/26/08 19:03



2 "B WING" NEW ADDITION
E102.2 UNDER SLAP CONDUIT LAYOUT.

SHOP EQUIPMENT SCHEDULE - CARPENTRY SHOP

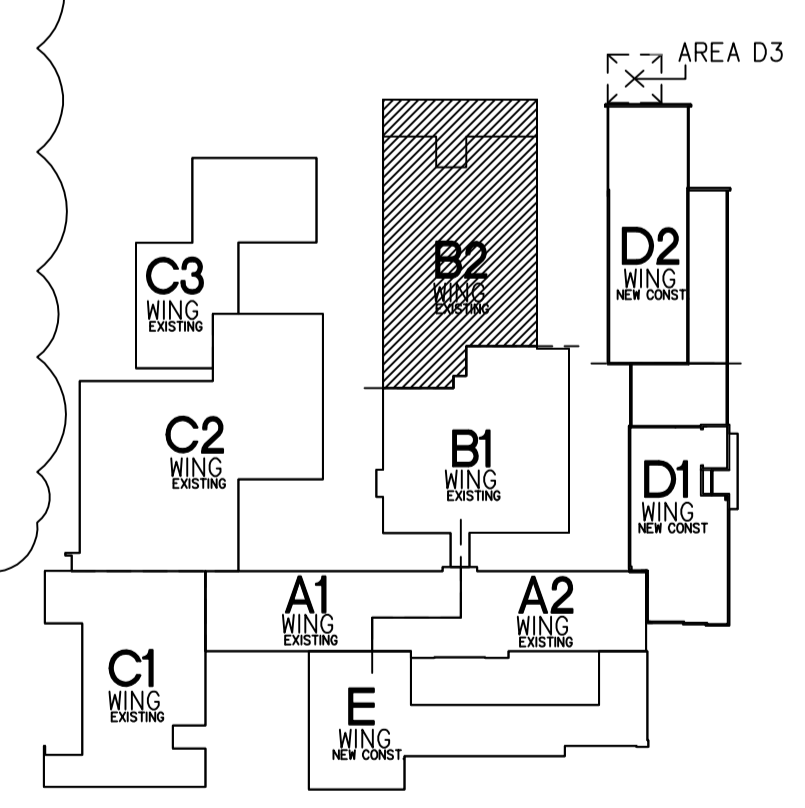
ITEM#	DESCRIPTION	CORD CAP TYPES	TYPE OF CABLE
1	30" PLANER	-	-
2	16" JOINTER	-	-
3	RIP SAW	-	-
4,5	10" TABLE SAW (2)	-	-
6	20" BAND SAW (1)	NEMA L21-20R NEMA L21-20P	#12-5
7	27" BAND SAW (1)	-	-
8	MORTISER (1)	-	-
9	DRILL PRESS (2)	-	-
10	AIR COMPRESSOR	-	-
12	PEDESTAL GRINDER	-	-
13	SHAPER	-	-
14	16" RADIAL ARM SAW	NEMA L21-30R NEMA L21-30P	#10-5
15	COPY LATHE	NEMA L21-20R NEMA L21-20P	#12-5
17	SCROLL SAWS (2)	-	-
18	BENCHES & VICES	-	-
19	VERTICAL PANEL SAW	NEMA L21-20R NEMA L21-20P	#12-5
20	8" MEDIUM DUTY JOINTER	NEMA L21-30R NEMA L21-30P	#12-5
22	CORNER EDGE SPINDLE SANDER	NEMA L21-30R NEMA L21-30P	#10-5
23	UNIQUE DOOR MACHINE	-	-
24	37" WIDE BELT SANDER	NEMA L21-20R NEMA L21-20P	#12-5
25	5 SPINDLE MOULDER	NEMA L21-30R NEMA L21-30P	#12-5
26	CNC ROUTER	NEMA L21-30R NEMA L21-30P	#10-5
27	DUST COLLECTOR	-	-
33	GOOGLE CABINET	-	-

SHOP EQUIPMENT SCHEDULE - MANUFACTURING SHOP

ITEM#	DESCRIPTION	CORD CAP TYPES	TYPE OF CABLE
1	MANUAL LATHES	NEMA L21-30R NEMA L21-30P	#10-5
1A	MANUAL LATHES	-	#10-5
3	CNC BENCH MILLS	-	#8-5
4	(2) AXIS CNC MILL	-	#8-5
5	SURFACE GRINDER	-	#8-5
7	SHEETMETAL BREAK	-	-
9	BAND SAW	NEMA L21-30R NEMA L21-30P	#10-5
10	CHM	-	-
11	CNC BENCH LATHE	-	-
12	7" PEDESTAL GRINDER	NEMA L5-20R NEMA L5-20P	#12-3
13	10" PEDESTAL GRINDER	NEMA L5-20R NEMA L5-20P	#12-3
14	HYDRAULIC PRESS	NEMA L21-30R NEMA L21-30P	#10-5
15	15" DRILL PRESS 2/WISE	-	-
17	VERTICAL MILLING MACHINE	NEMA L21-30R NEMA L21-30P	#10-5
18	EMERGENCY SHUT OFF SWITCH	-	-
21	OPTICAL COMPARTIR	-	-
22	CNC LATHE	-	-
23	CNC LATHE	-	-
24	CNC TOOLROOM MILL	-	-
25	CNC MACHINING CENTER	-	-
26	CNC TURNING CENTER	-	-
27	CNC PLASMA CUTTER	-	-
28	FLEX EXHAUST	-	-
30	COMPRESSOR	-	-
33	SURFACE GRINDER-AUTOMATIC	-	-
34	SURFACE GRINDER	-	-
35	CNC TURNING CENTER	-	-
36	VERTICAL BAND SAW	-	-
40	GERMIGOLD GOOGLE CABINET	-	-
41	SAND BLASTER	-	-

- NOTES:
- REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.
 - REFER TO ARCHITECTURAL DRAWINGS FOR EQUIPMENT DETAILS.
 - ALL "BD 50A" HOMRUNS WILL BE WIRED TO A 3-P, 50A CIRCUIT BREAKER LOCATED AT THE BUS DUCT. ALL "BD 20A" HOMRUNS WILL BE WIRED TO A 1-P, 20A CIRCUIT BREAKER LOCATED AT BUS DUCT.
 - FOR CORD REEL WIRING REFER TO DETAILS ON DRAWING E-705. TYPICAL FOR ALL CORD REELS. REFER TO EQUIPMENT SCHEDULE FOR WIRE TYPE AND CORD CAP TYPES.
 - REFER TO DETAILS DRAWING E-705 FOR WIRING. TYPICAL FOR ALL 50 AMP CIRCUIT BREAKER FED EQUIPMENTS. REFER TO EQUIPMENT SCHEDULE FOR WIRE TYPE.
 - REFER TO DETAILS ON DRAWING E-705 FOR WIRING DETAIL. FOR ALL JUNCTION BOX FED EQUIPMENT CONNECTIONS. REFER TO EQUIPMENT SCHEDULE FOR WIRE TYPE AND CORP CAP TYPES. TYPICAL.

COORDINATE THE LOCATION OF THESE EQUIPMENTS WITH OWNER AS REQUIRED.

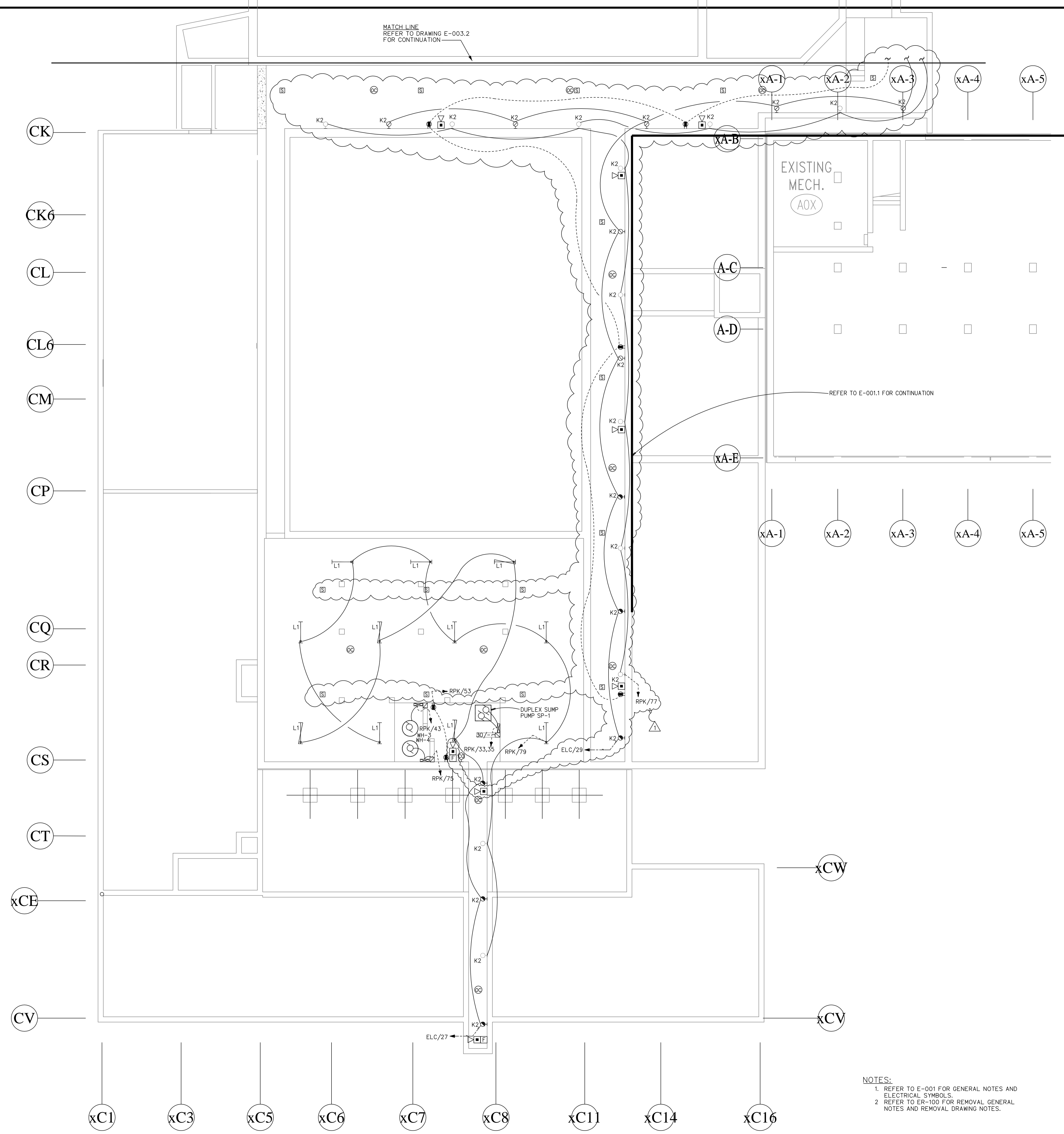


MAIN LEVEL KEY PLAN
SCALE: NOT TO SCALE

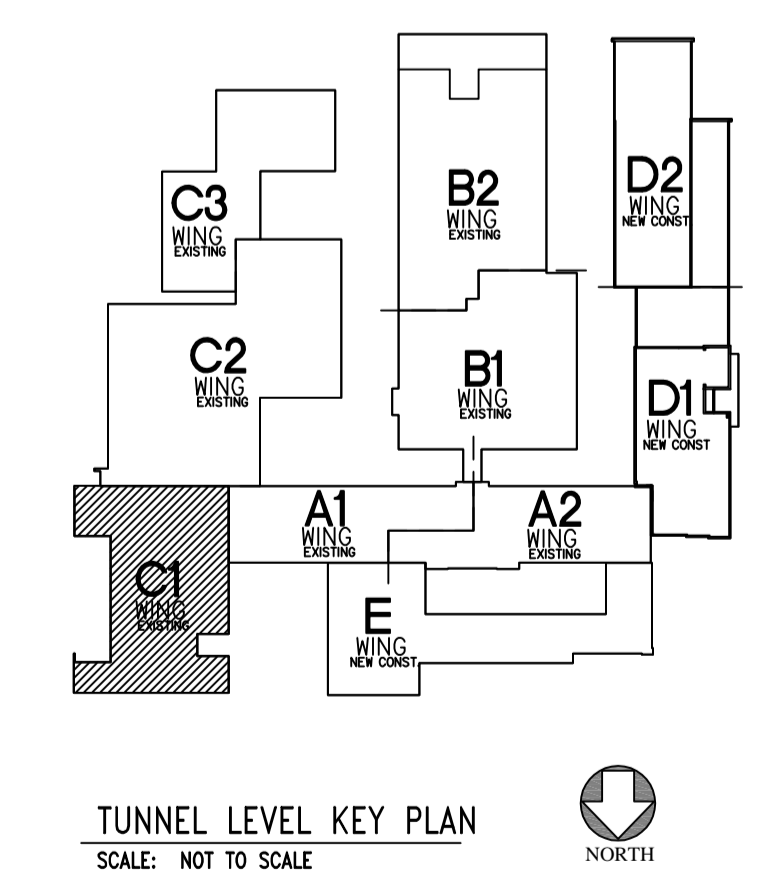
CMR BID DOCUMENTS

Consultant: Altieri/Schor/Wieber LLC Consulting Engineers 31 Knight Street, New Britain, Connecticut 06051 Tel: 203-866-5338	Drawing Title: AREA B2 MAIN LEVEL POWER	State of Connecticut DEPARTMENT OF PUBLIC WORKS
Professional Seal & Signature: 	Revisions: Mark Date Description 7-9-2012 ADDENDUM #1	Drawing Prepared By: ANTONOZZI ASSOCIATES, ARCHITECTS 271 FARMFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604
Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514	Drawing No.: E-102.2	Date: 08-18-2012 Scale: 1/8"=1'-0" Drawn By: Approved By: Drawing No.: Project No.: BI-RT-837

FILE:04519B REV:02/01/2007 17:15 FILE:04519B REV:02/20/2008 15:18
 FILE:04519E REV:07/01/12 10:46



NOTES:
 1. REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.
 2. REFER TO ER-100 FOR REMOVAL GENERAL NOTES AND REMOVAL DRAWING NOTES.



CMR BID DOCUMENTS

Consultant Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, Newark, Connecticut 06851 Tel: 203-866-5338 Fax: 203-866-5343	Drawing Title AREA C1 TUNNEL PLAN - LIGHTING & ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
	Professional Seal & Signature 		Date 08-18-2012 Scale 1/8"=1'-0"	
Project ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514		Drawing Prepared By ANTINOZZI ASSOCIATES, ARCHITECTS 271 FARMFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604		Drawn By Approved By Drawing No. E-003.1
Project No. 045108E		Project No. BI-RT-837		Drawing No. Drawing No. Drawing No.

REV 07/10/12 10:46

FILE:46105E

REV 02/20/2008 15:18

FILE:46105B

REV 02/01/2007 17:15

FILE:46105B

UNEXCAVATED

xC-G

xC-H

xC-I

xA-1

xA-2

xA-3

xA-4

xA-5

xA-6

xA-B

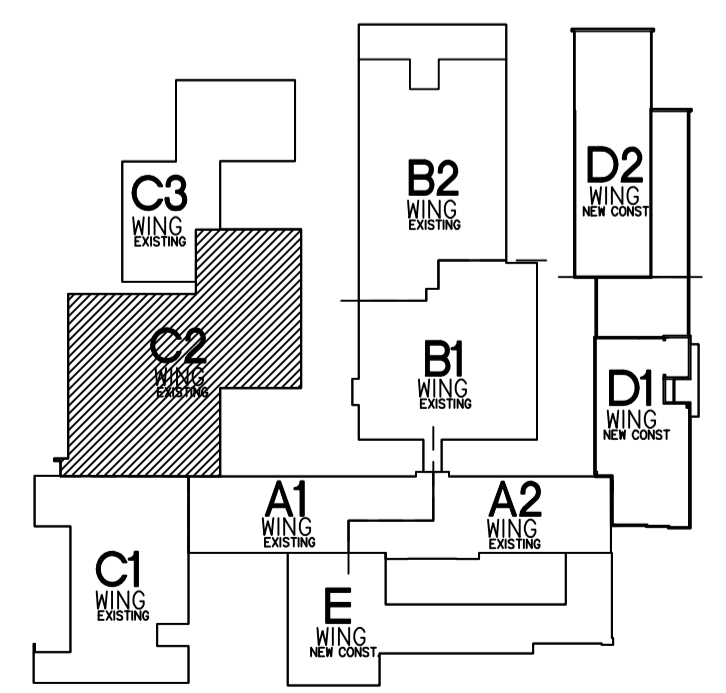
REFER TO E-103.2

EXISTING UNDER GROUND
CONDUITS TO REMAIN.

UNDERGROUND GALVANIZED RIGID
CONDUITS FEEDING C WING FROM
B WING (MBD, EPS, ELS, ELEVATOR). REFER
DRAWING E-401 FOR FOR QUANTITIES
& SIZE.

TO ELEVATOR
MACHINE ROOM


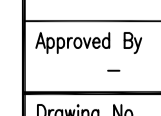
MATCH LINE
REFER TO DRAWING E-003.1
FOR CONTINUATION

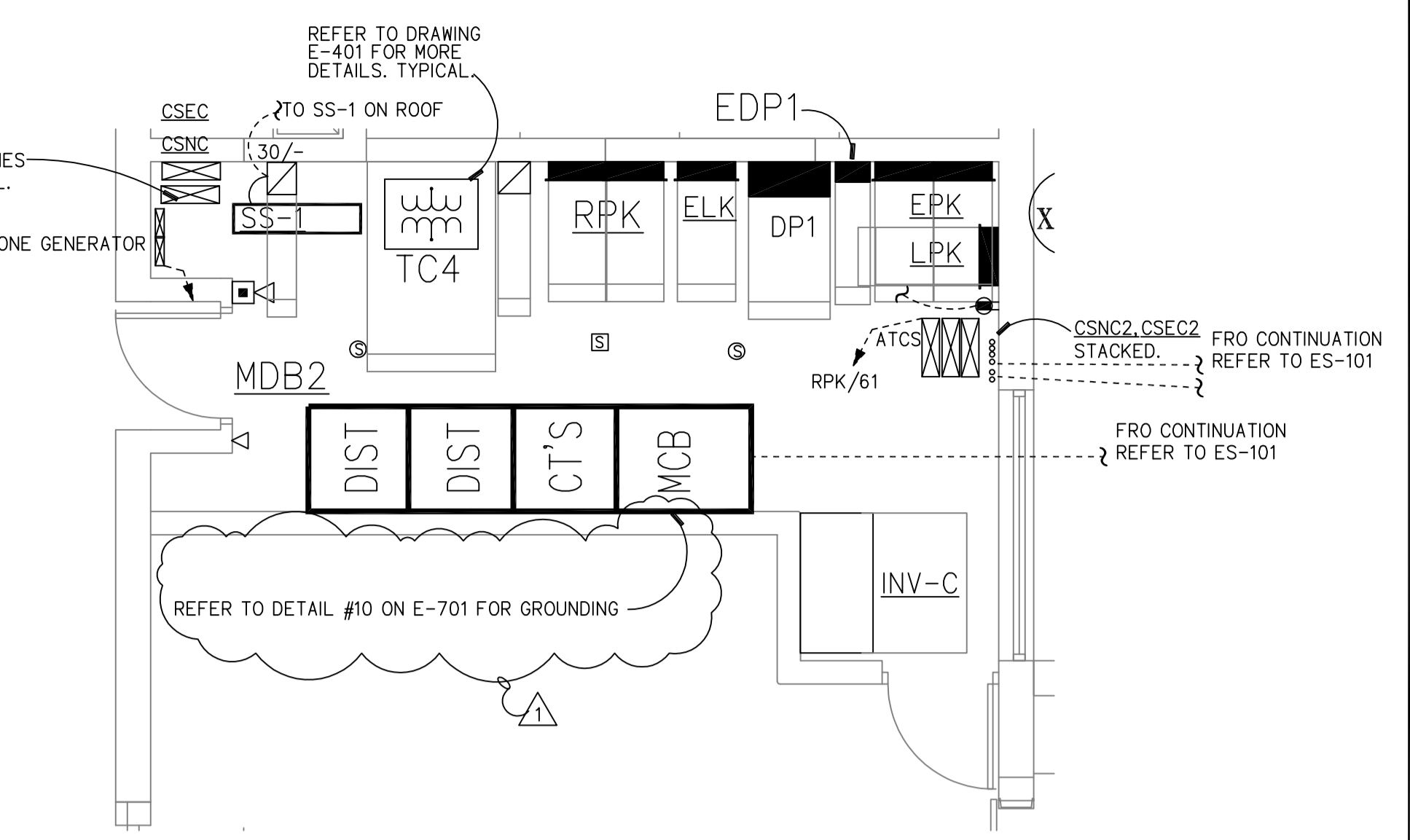
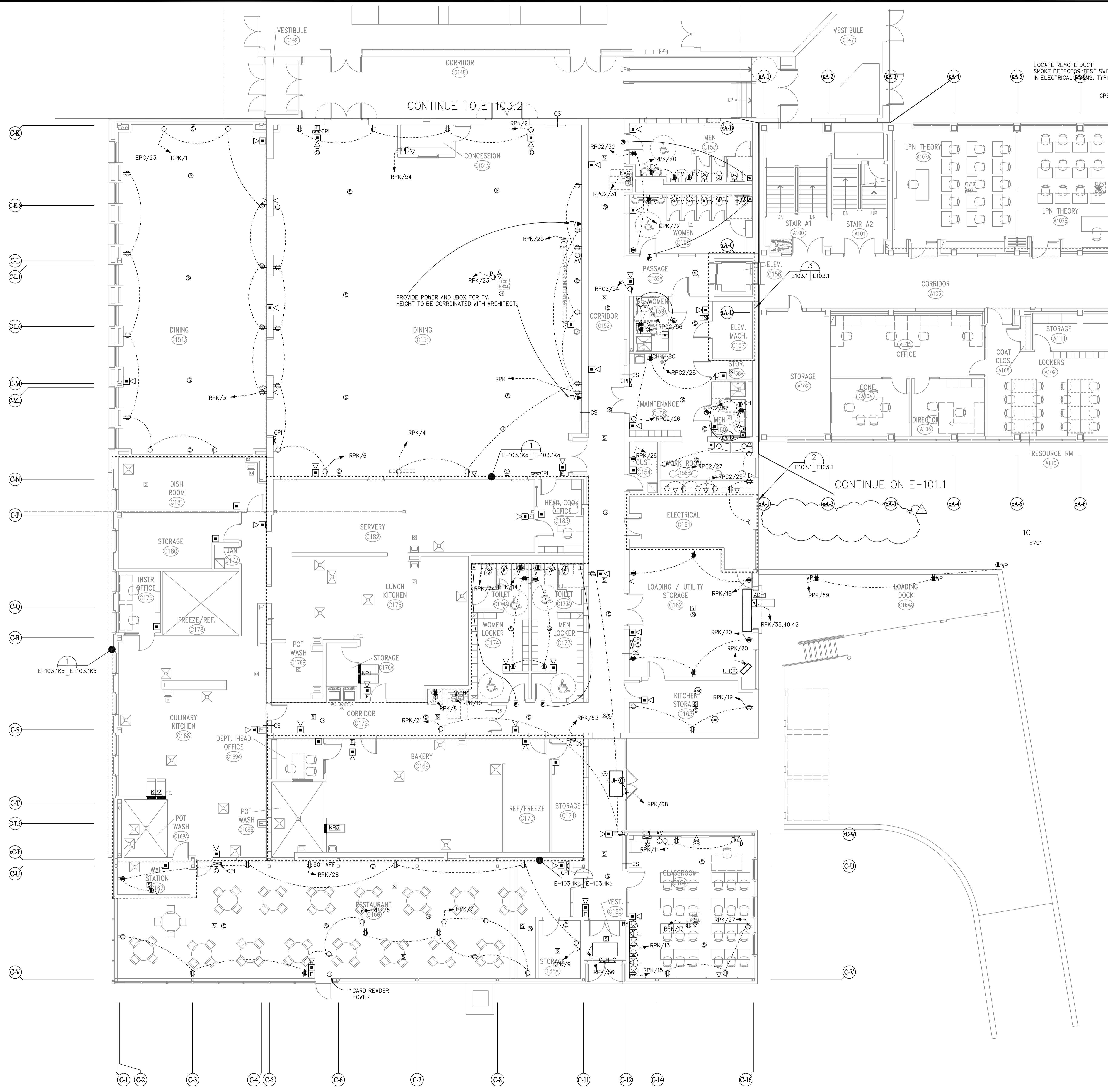


TUNNEL LEVEL KEY PLAN
SCALE: NOT TO SCALE

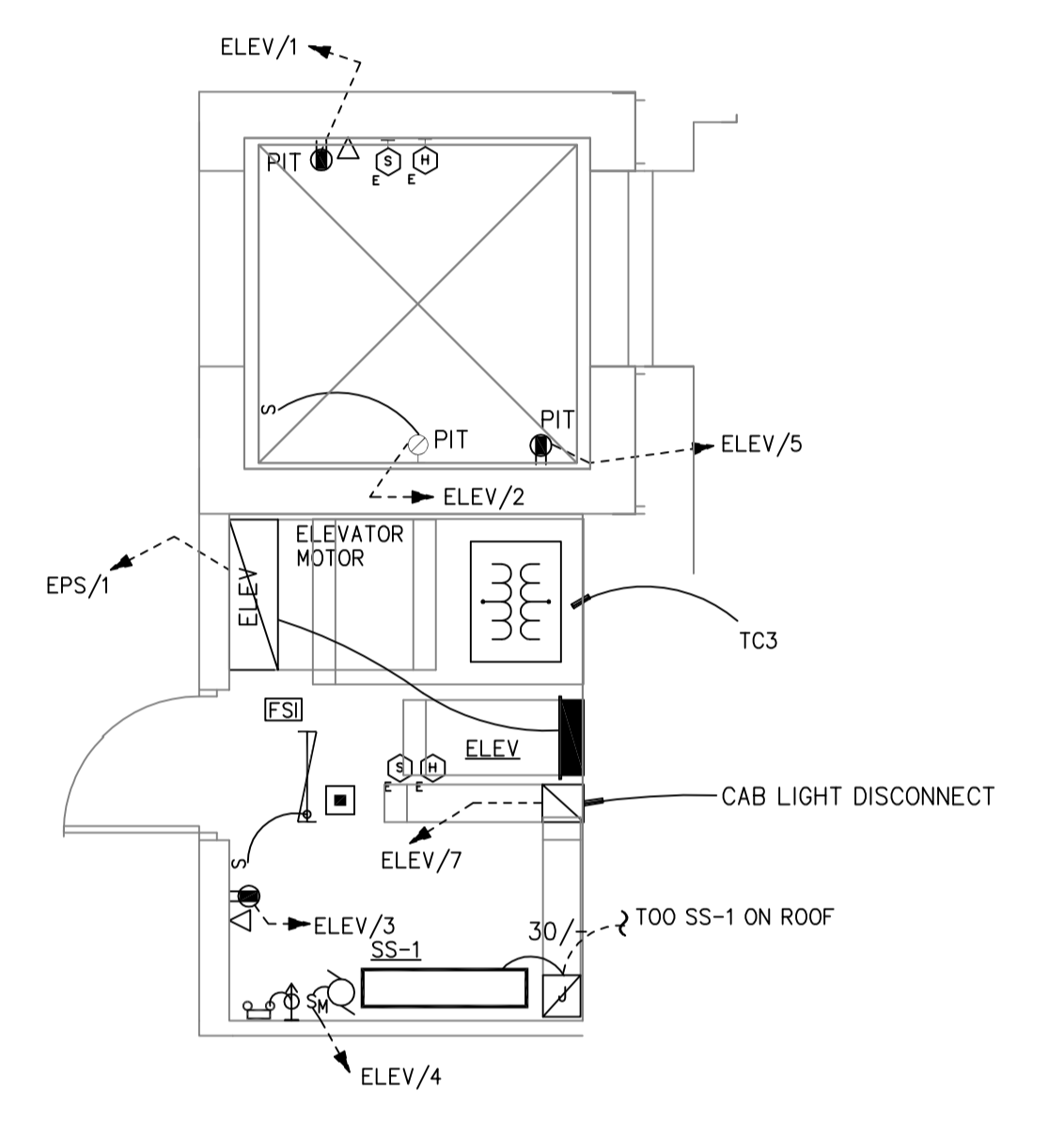
- NOTES:
1. REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.
 2. REFER TO ER-100 FOR REMOVAL GENERAL NOTES AND REMOVAL DRAWING NOTES.

CMR BID DOCUMENTS

Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, Newark, Connecticut 06851 Tel: 203-866-5338 Fax: 203-866-5343		Drawing Title: AREA C2 TUNNEL PLAN - LIGHTING & ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS							
Professional Seal & Signature: 		Revisions Table: <table border="1"> <thead> <tr> <th>Mark</th> <th>Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>△</td> <td>7-9-2012</td> <td>ADDENDUM #1</td> </tr> </tbody> </table>		Mark	Date	Description	△	7-9-2012	ADDENDUM #1	Drawing Prepared By: ANTONOZZI ASSOCIATES, ARCHITECTS 271 FARMFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604	
Mark	Date	Description									
△	7-9-2012	ADDENDUM #1									
Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514		Date: 08-18-2012		Scale: 1/8"=1'-0"							
Drawing No.: E-003.2		Project No.: BI-RT-837		Approved By: 							

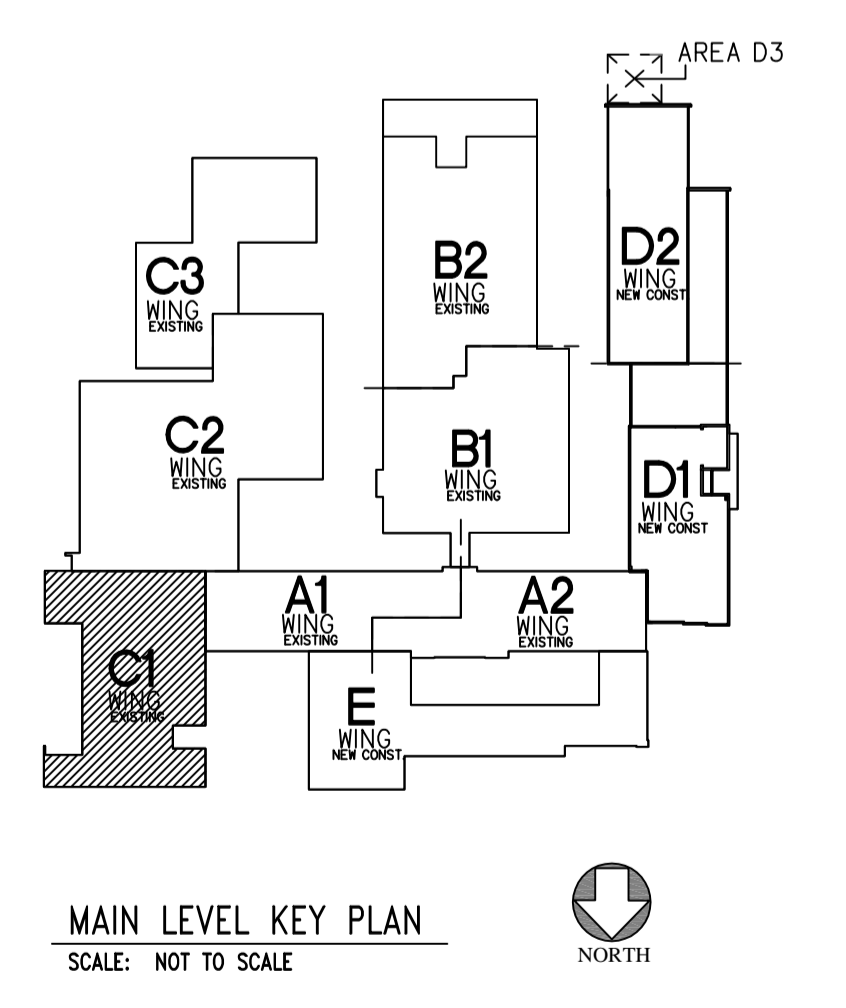


2 SERVICE #2 - ELECTRICAL ROOM C161
E-103.1 | E-103.1 SCALE: 1/4" = 1'-0"




3 ELEVATOR ROOM C157
E-103.1 | E-103.1 SCALE: 1/4" = 1'-0"

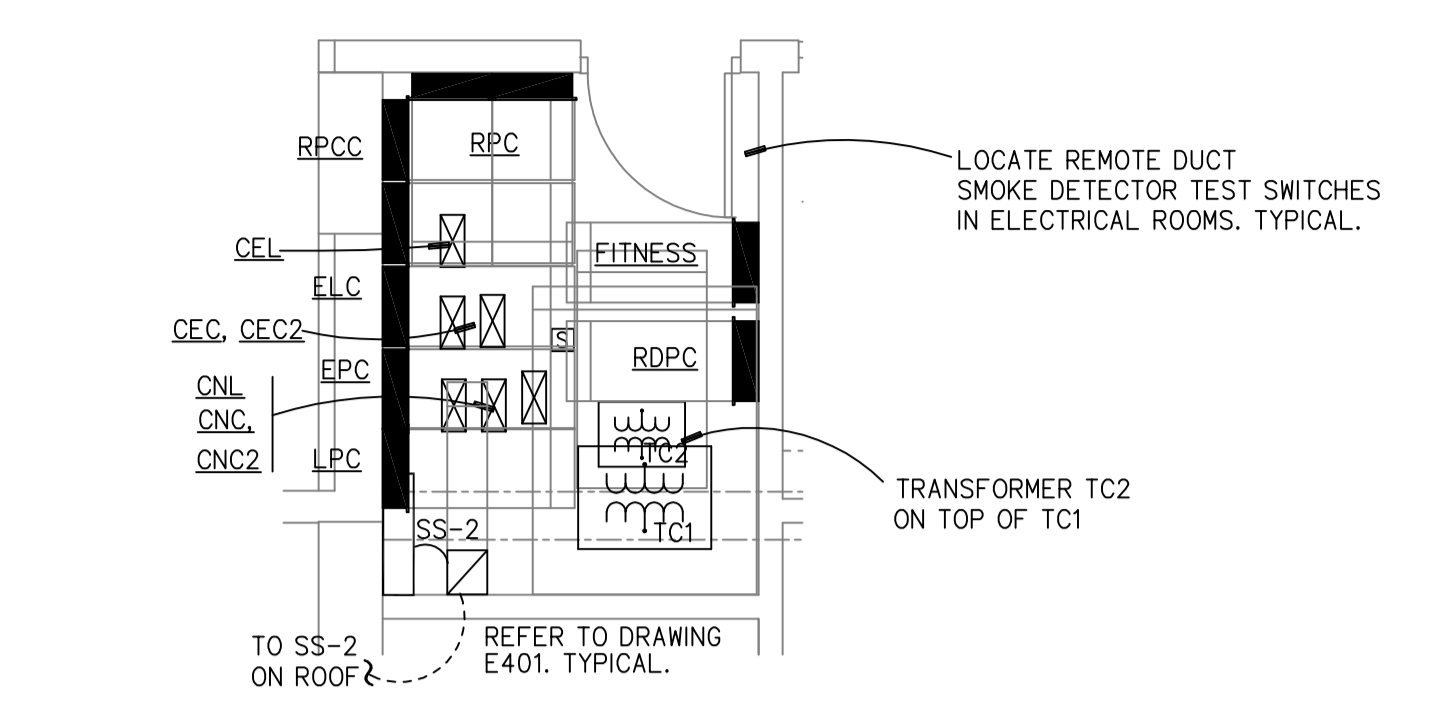
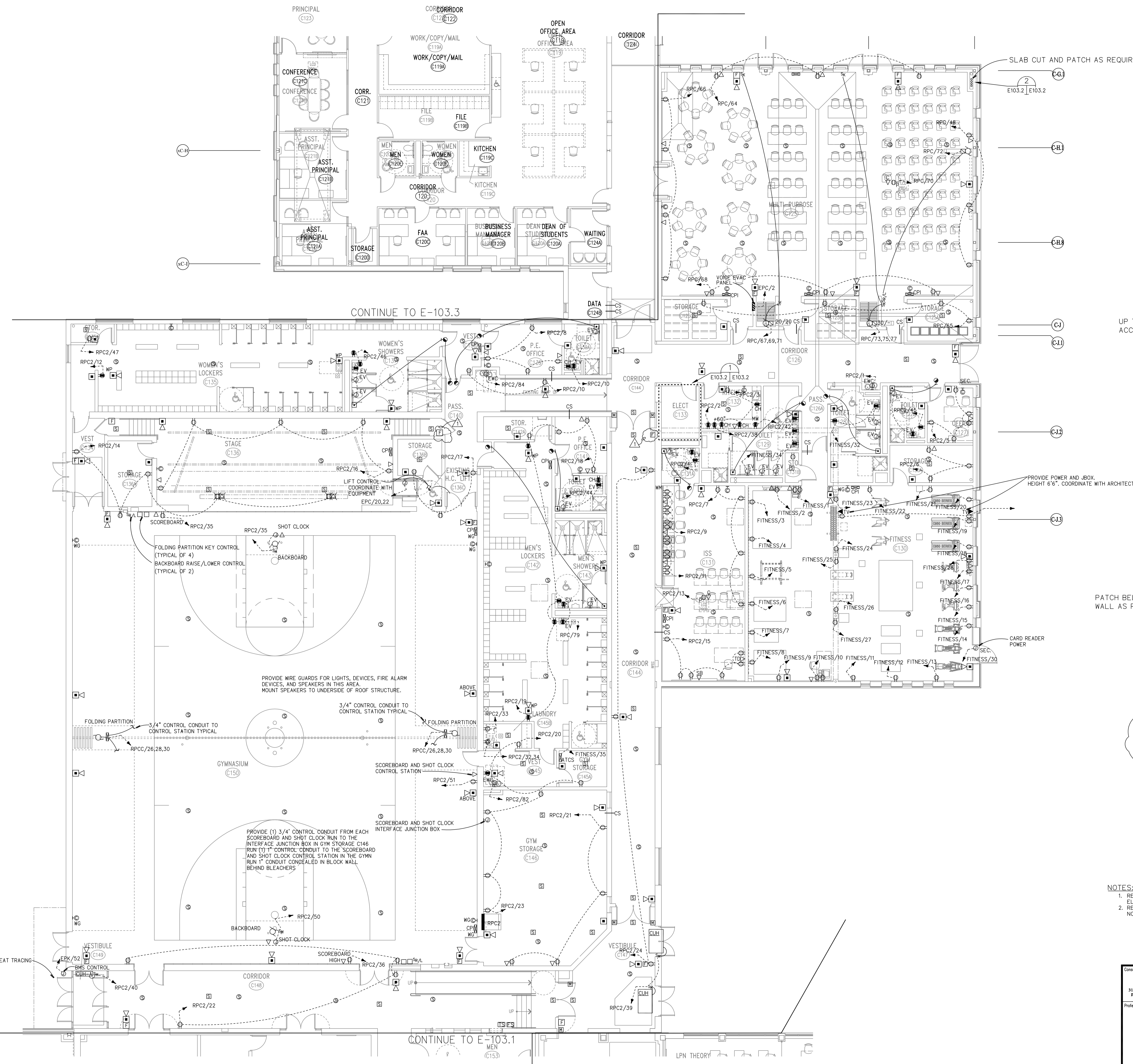
- NOTES:
1. REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.
 2. REFER TO E-100 FOR REMOVAL GENERAL NOTES AND REMOVAL DRAWING NOTES.



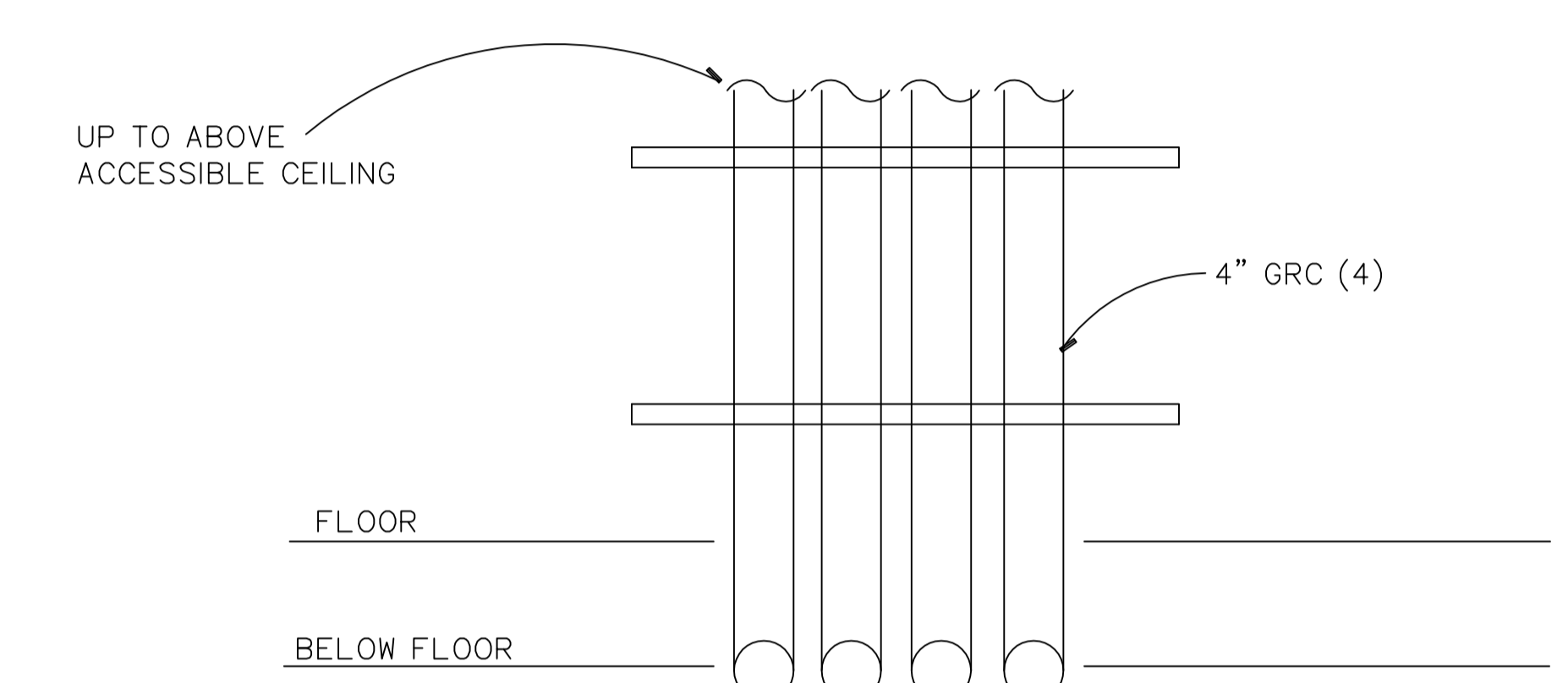
CMR BID DOCUMENTS

Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, New Britain, Connecticut 06051 Tel: 203-866-5338 Fax: 203-866-5343	Drawing Title: AREA C1 MAIN LEVEL POWER		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
	Professional Seal & Signature: 		Date: 06-18-2012 Scale: 1/8"=1'-0"	
Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514	Revisions: Mark: 7-9-2012 Description: ADDENDUM #1		Drawing Prepared By: ANTONOZZI ASSOCIATES, ARCHITECTS 271 FARMFIELD AVENUE, BRIDGEPORT, CONNECTICUT 06604	
	Drawing No.: 045118E		Drawing No.: 045118E	

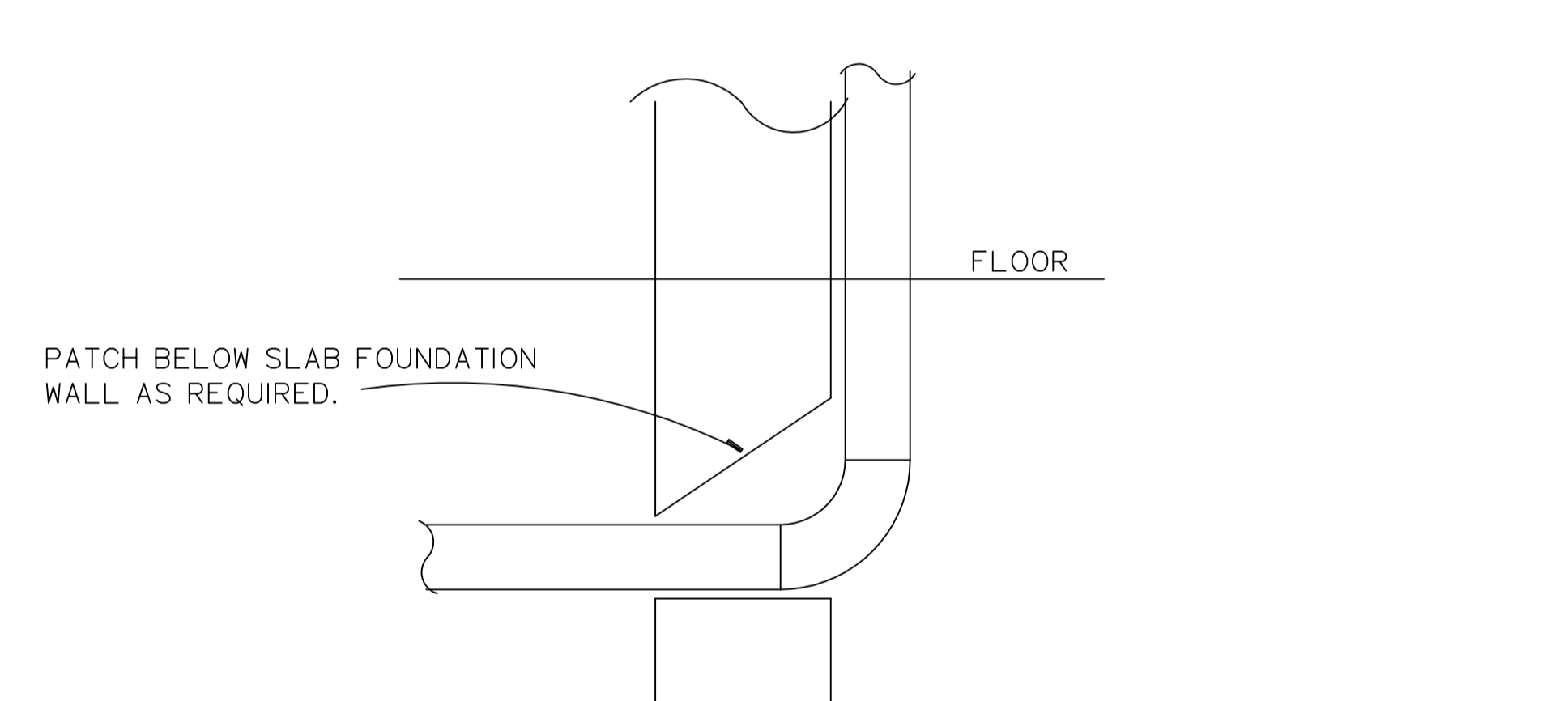
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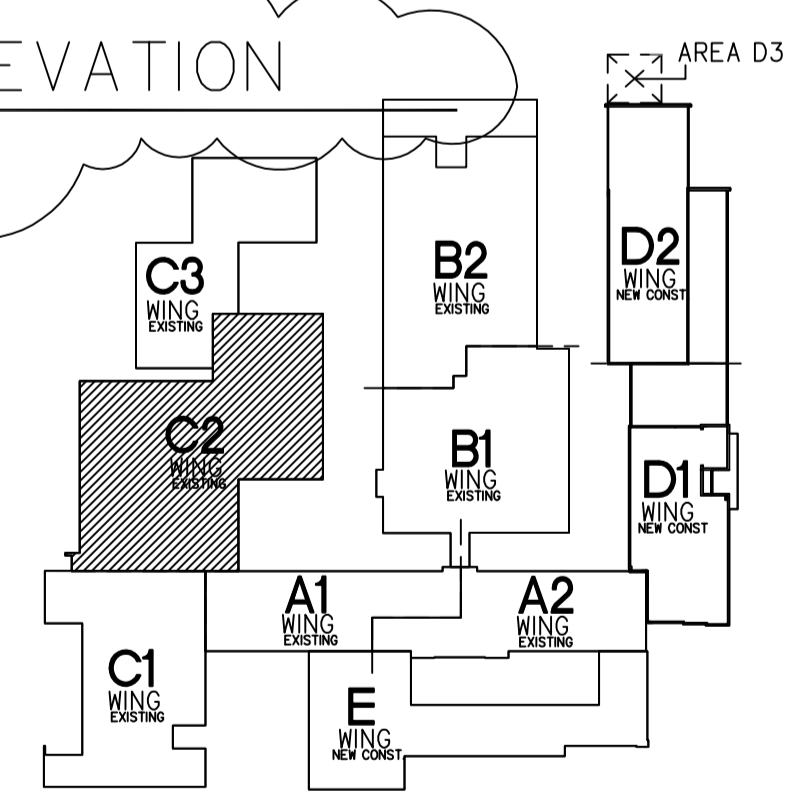
ELECTRICAL ROOM C133
E-103.2 E-103.2 SCALE: 1/4" = 1'-0"



CONDUIT ELEVATION
E-103.2 E-103.2 SCALE: NONE




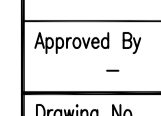
CONDUIT ELEVATION
E-103.2 E-103.2 SCALE: NONE



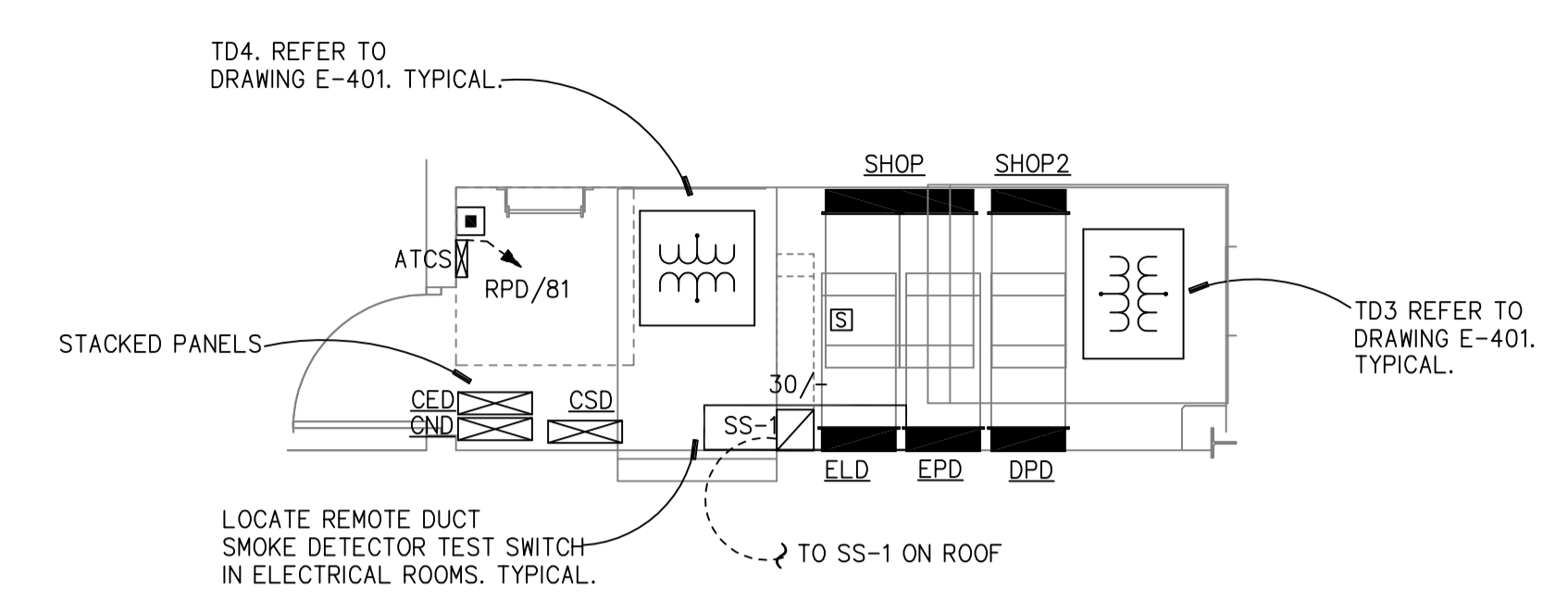
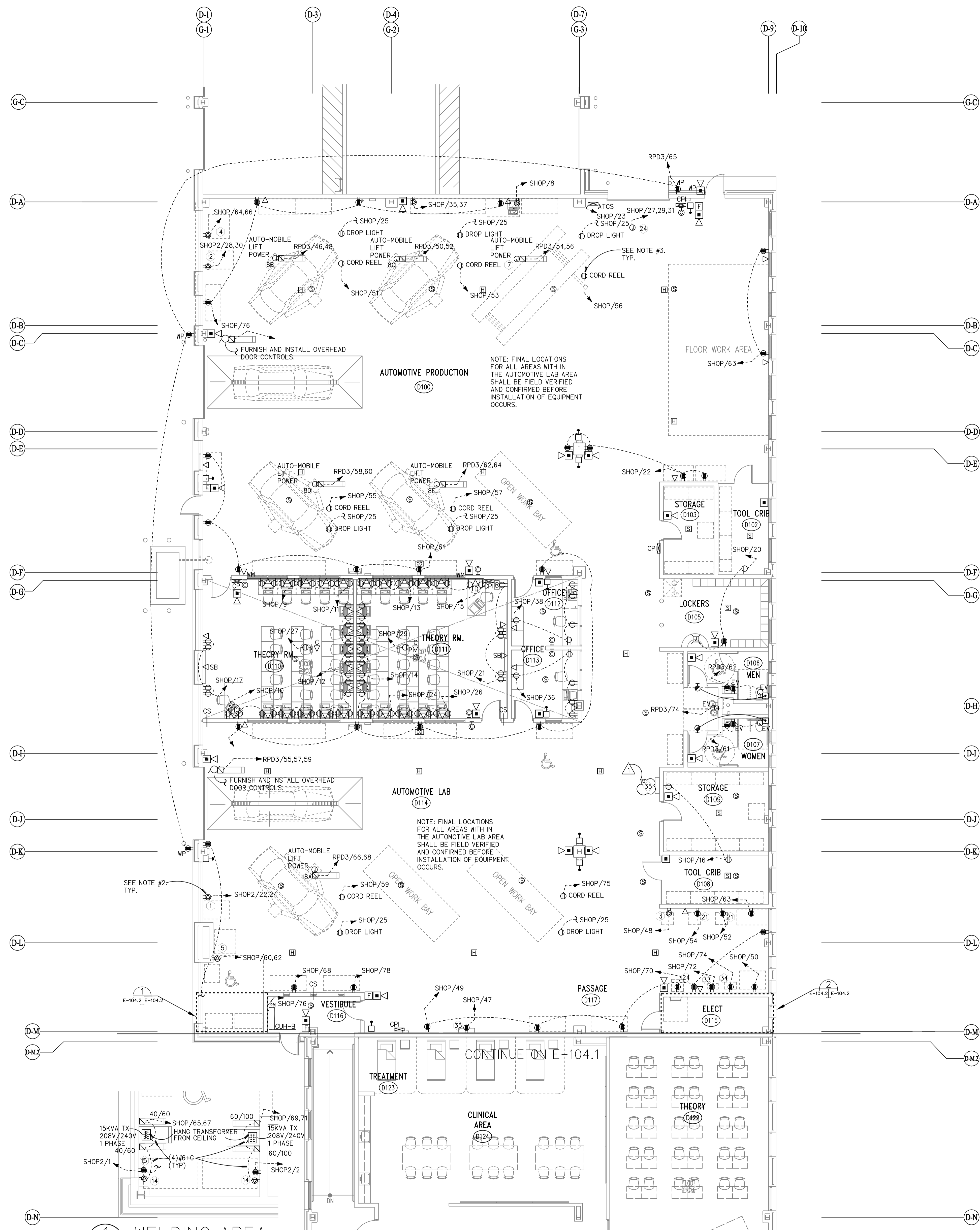
MAIN LEVEL KEY PLAN
SCALE: NOT TO SCALE

- NOTES:**
- REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.
 - REFER TO ER-100 FOR REMOVAL GENERAL NOTES AND REMOVAL DRAWING NOTES.

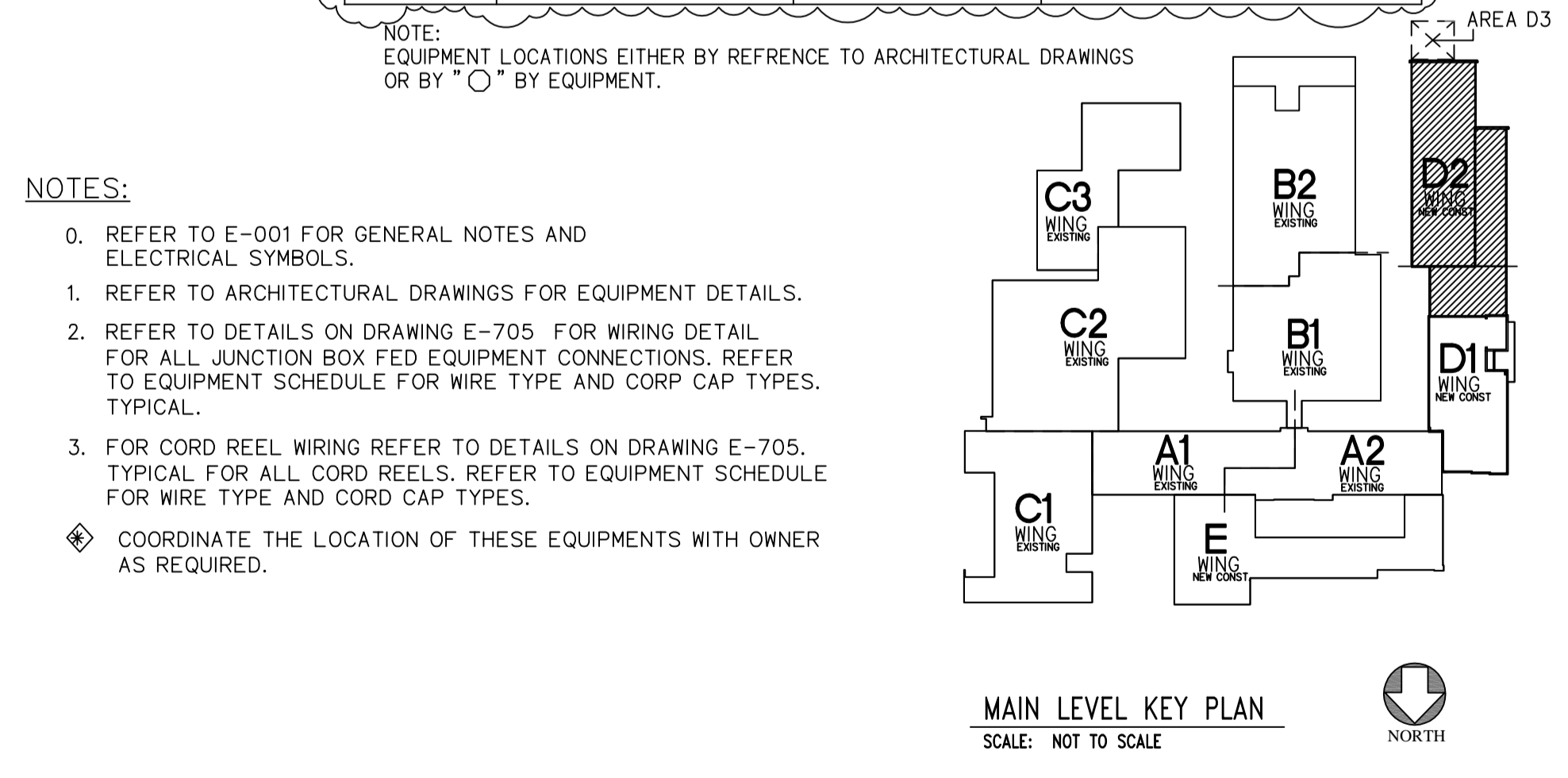
CMR BID DOCUMENTS

Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, New York, Connecticut 06851 Tel: 203-866-5338		Drawing Title: AREA C2 MAIN LEVEL POWER		State of Connecticut DEPARTMENT OF PUBLIC WORKS	
Professional Seal & Signature: 		REVISIONS		Drawing Prepared By: ANTIINOZZI ASSOCIATES, ARCHITECTS 271 FARMFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604	
Date: 7-9-2012		Description: ADDENDUM #1		Date: 08-18-2012	
Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514		Drawing No.: E-103.2		Scale: 1/8"=1'-0"	
Project No.: BI-RT-837		Drawing No.: E-103.2		Approved By: 	
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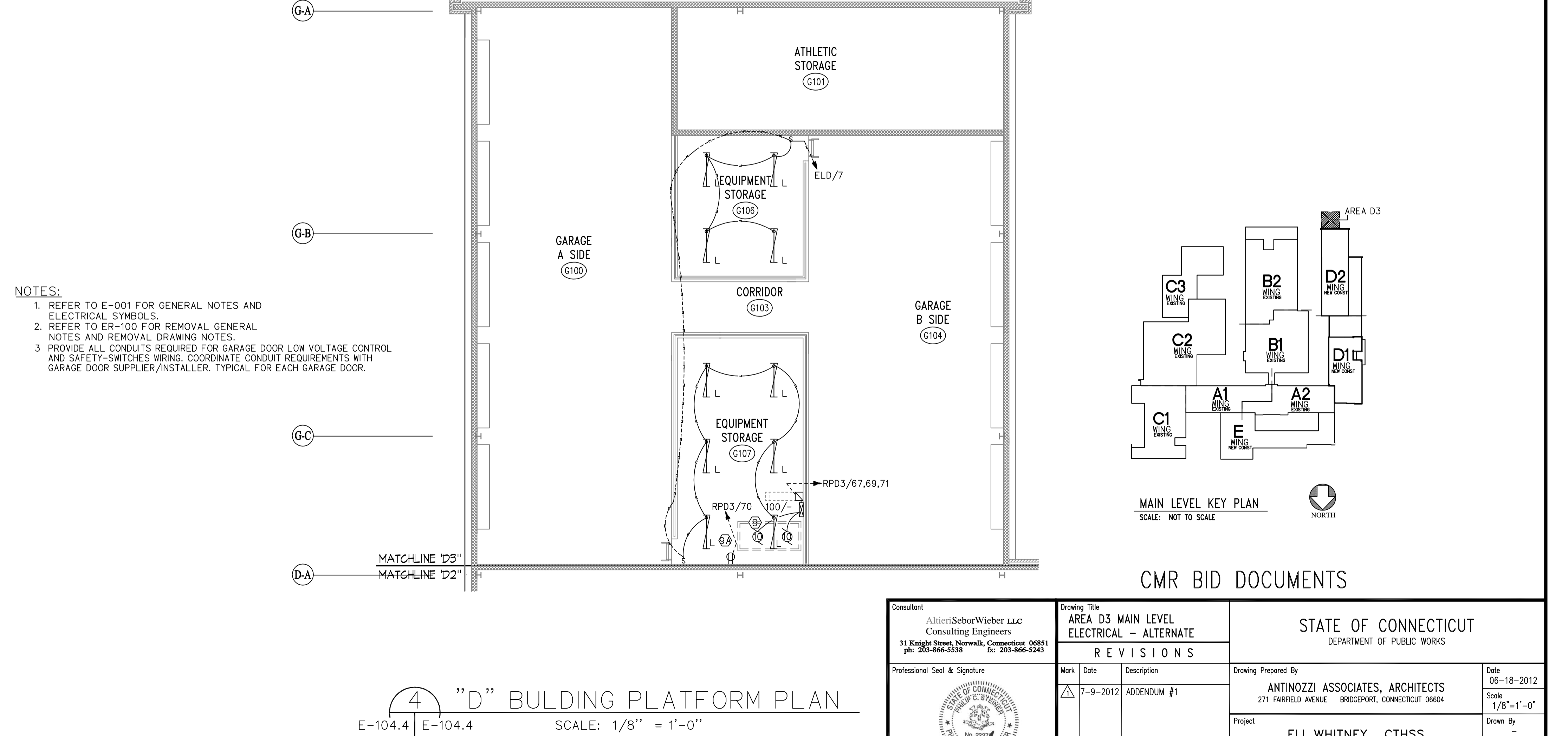
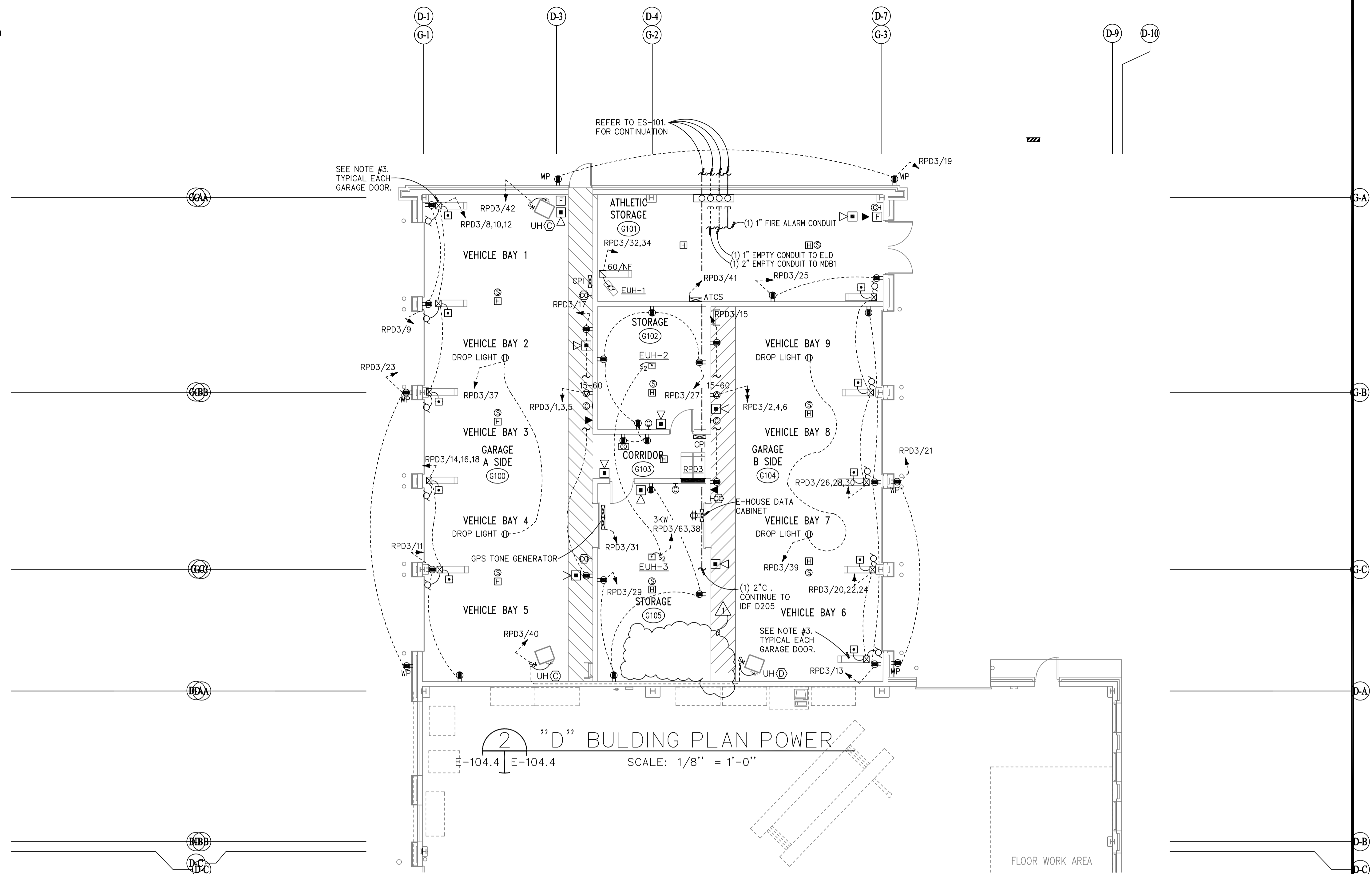
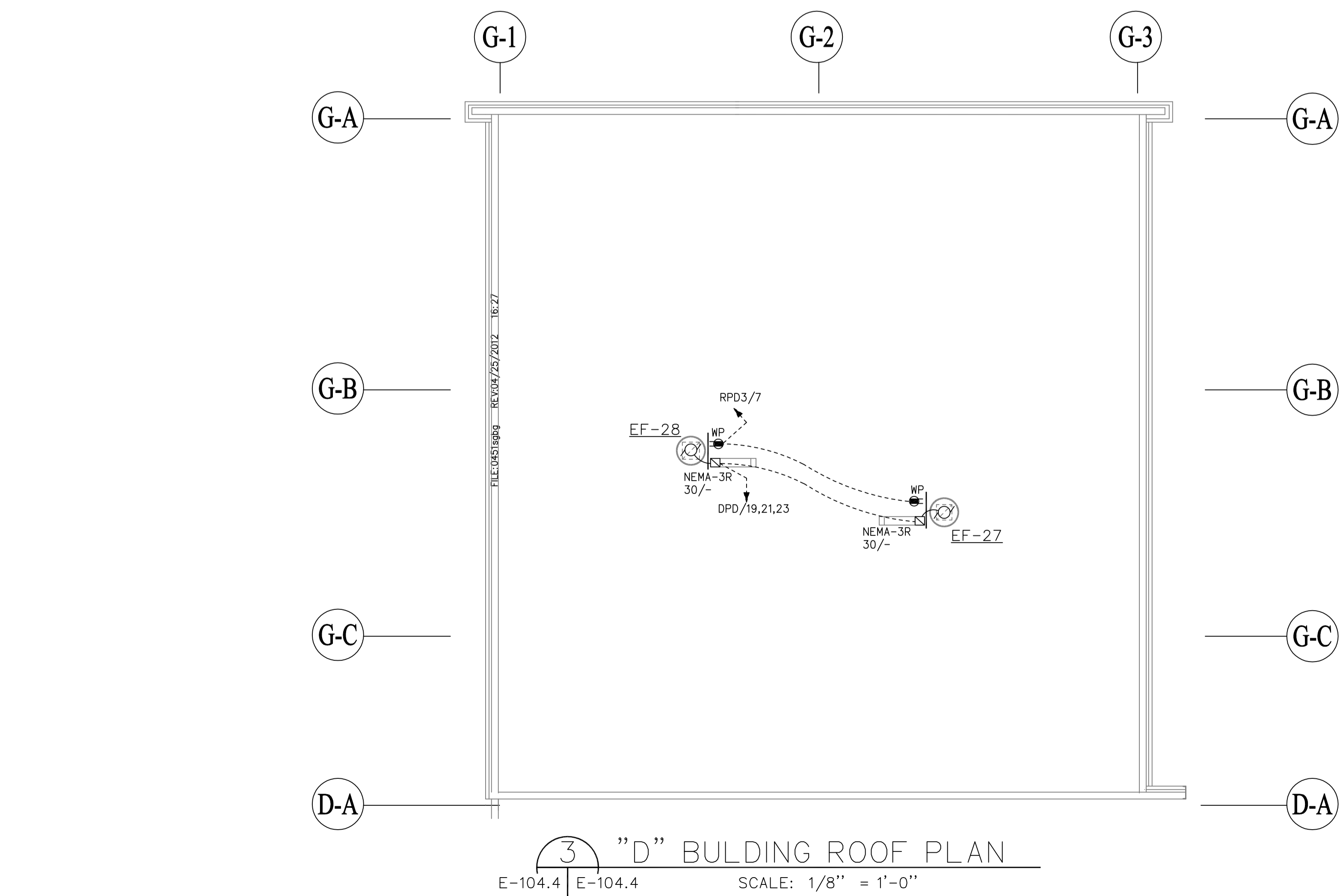
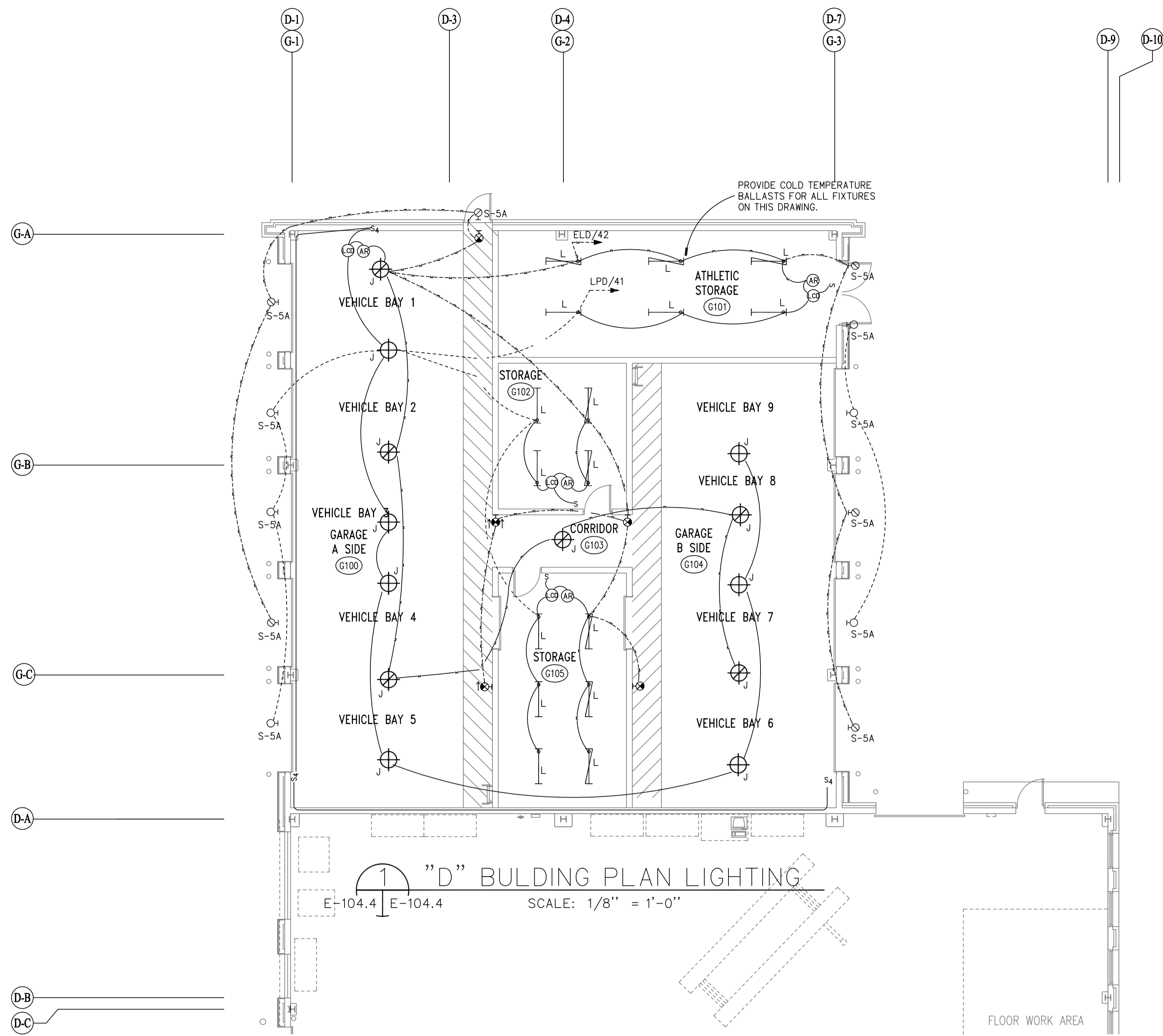
SHOP EQUIPMENT SCHEDULE - AUTOMOTIVE PRODUCTION SHOP			
ITEM#	DESCRIPTION	CONNECTION TYPE	"S" TYPE OF CABLE
1	TIRE CHANGER-LAB	NEMA L6-2DR NEMA L6-2DP	#10-5
2	TIRE CHANGER- SHOP	NEMA L6-2DR NEMA L6-2DP	#10-5
3	BRAKE LATHE	NEMA L6-2DR NEMA L6-2DP	-
4	TIRE BALANCER-SHOP	NEMA L6-2DR NEMA L6-2DP	-
5	TIRE BALANCER-LAB	NEMA L6-2DR NEMA L6-2DP	-
6	ALIGNMENT LIFT COMPUTER	-	-
7	ALIGNMENT SCISSOR LIFT-SHOP	NEMA L6-2DR NEMA L6-2DP	#10-4
8A	LIFTS, 10,000LBS-SHOP&LAB	NEMA L6-2DR NEMA L6-2DP	#10-5
8B	LIFTS, (RELOCATED)	NEMA L6-2DR NEMA L6-2DP	#10-5
8C	LIFTS, (RELOCATED)	NEMA L6-2DR NEMA L6-2DP	#10-5
8D	LIFTS, (RELOCATED)	NEMA L6-2DR NEMA L6-2DP	#10-5
8E	LIFTS, (RELOCATED)	NEMA L6-2DR NEMA L6-2DP	#10-5
9	AIR COMPRESSORS SEE DETAIL #4 E-104.4	-	-
9A	AIR LINE DRYER SEE DETAIL #4 E-104.4	-	-
11	HOT TANK	-	-
12	WASTE OIL CONTAINMENT SYSTEM	-	-
13	-	-	-
14	54" WELDING BENCH	NEMA 14-6DR NEMA 14-6DP	#6-4
15	MIG WELDER	NEMA L5-2DR NEMA L5-2DP	#12-3
16	PULL DOWN AIR LINES	-	-
17	SUSPENDED DROP LIGHTS	NEMA L5-2DR NEMA L5-2DP	#12-3
18	POWER DROPS (CORD REELS)	NEMA L5-2DR NEMA L5-2DP	#12-3
19	METAL SHELVING UNITS 24"Dx4"Lx72"H	-	-
20	EXHAUST REMOVAL SYSTEM	-	-
21	VALVE GRINDING MACHINE	-	-
22	BENCH GRINDER	-	-
24	PRESS	NEMA L21-3DR NEMA L21-3DP	#10-5
25	BEAD BLASTING CABINET	-	-
26	MIG WELDER - PORTABLE	-	-
27	FLAMMABLE STORAGE CABINET	-	-
28	TOOL STORAGE CABINET W/DOORS	-	-
33	DRILL PRESS	-	-
34	PEDESTAL GRINDER	-	-
35	GOGGLE CABINET	-	-



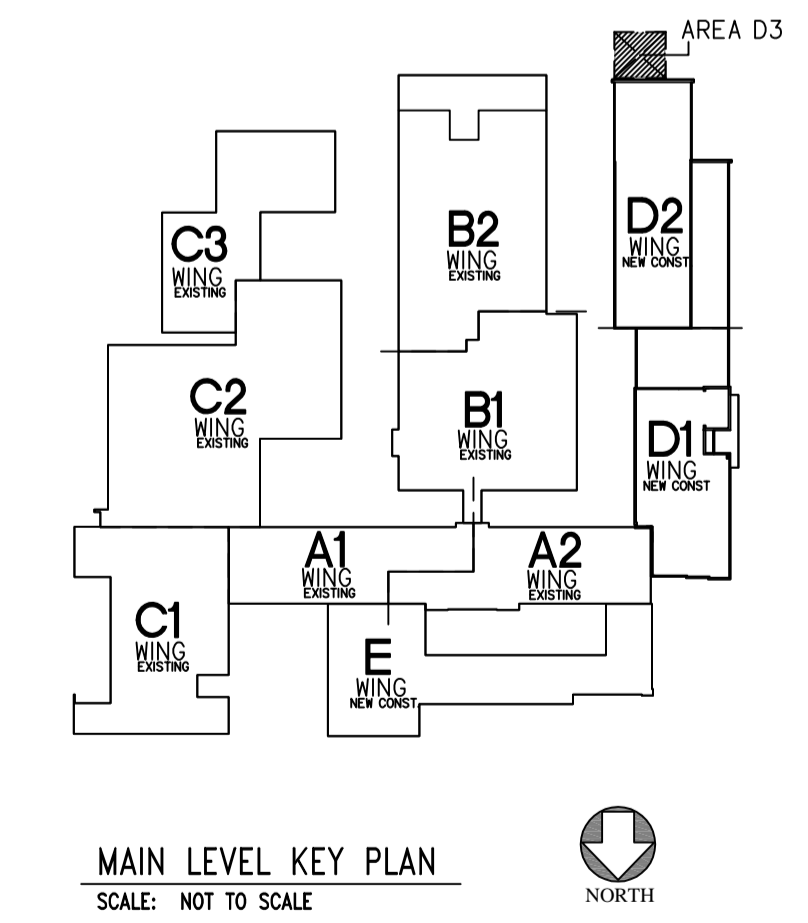
- NOTES:
- REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.
 - REFER TO ARCHITECTURAL DRAWINGS FOR EQUIPMENT DETAILS.
 - REFER TO DETAILS ON DRAWING E-705 FOR WIRING DETAIL. FOR ALL JUNCTION BOX FED EQUIPMENT CONNECTIONS, REFER TO EQUIPMENT SCHEDULE FOR WIRE TYPE AND CORP CAP TYPES. TYPICAL.
 - FOR CORD REEL WIRING REFER TO DETAILS ON DRAWING E-705. TYPICAL FOR ALL CORD REELS. REFER TO EQUIPMENT SCHEDULE FOR WIRE TYPE AND CORP CAP TYPES.
 - COORDINATE THE LOCATION OF THESE EQUIPMENTS WITH OWNER AS REQUIRED.

CMR BID DOCUMENTS

Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, New Britain, Connecticut 06051 Tel: 203-866-5338	Drawing Title: AREA D2 MAIN LEVEL POWER	STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS						
	Professional Seal & Signature: 	REVISIONS <table border="1"> <thead> <tr> <th>Mark</th> <th>Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Mark	Date	Description			
Mark	Date	Description						
ORIGINAL SEAL AND SIGNATURE IS BLUE	Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514	Date: 06-18-2012 Scale: 1/8"=1'-0" Drawn By: Approved By: Drawing No.: E-104.2						
Project No.: 045111E	Project No.: BI-RT-837							



- NOTES:
1. REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.
 2. REFER TO ER-100 FOR REMOVAL GENERAL NOTES AND REMOVAL DRAWING NOTES.
 3. PROVIDE ALL CONDUITS REQUIRED FOR GARAGE DOOR LOW VOLTAGE CONTROL AND SAFETY-SWITCHES WIRING. COORDINATE CONDUIT REQUIREMENTS WITH GARAGE DOOR SUPPLIER/INSTALLER. TYPICAL FOR EACH GARAGE DOOR.



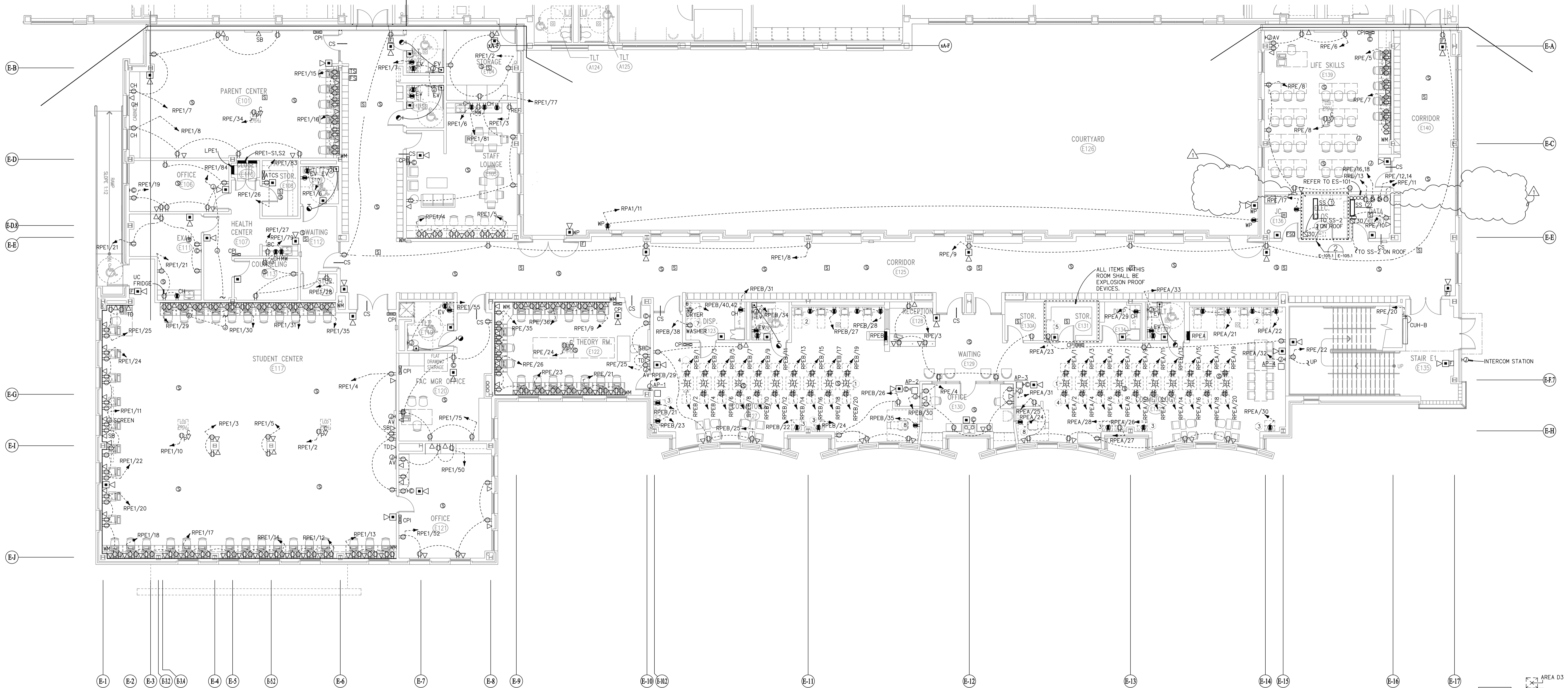
CMR BID DOCUMENTS

Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, New Rochelle, Connecticut 06851 Tel: 203-866-5338 Fax: 203-866-5343		Drawing Title: AREA D3 MAIN LEVEL ELECTRICAL - ALTERNATE		State of Connecticut DEPARTMENT OF PUBLIC WORKS									
Professional Seal & Signature: 		Revisions: <table border="1"> <thead> <tr> <th>Mark</th> <th>Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Δ</td> <td>7-9-2012</td> <td>ADDENDUM #1</td> </tr> </tbody> </table>		Mark	Date	Description	Δ	7-9-2012	ADDENDUM #1	Drawing Prepared By: ANTONOZZI ASSOCIATES, ARCHITECTS 271 FARMFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604		Date: 08-18-2012	
Mark	Date	Description											
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Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514		Drawing No.: E-104.4		Scale: 1/8"=1'-0"									
Project No.: BI-RT-837		Drawing No.: E-104.4		Approved By: 									

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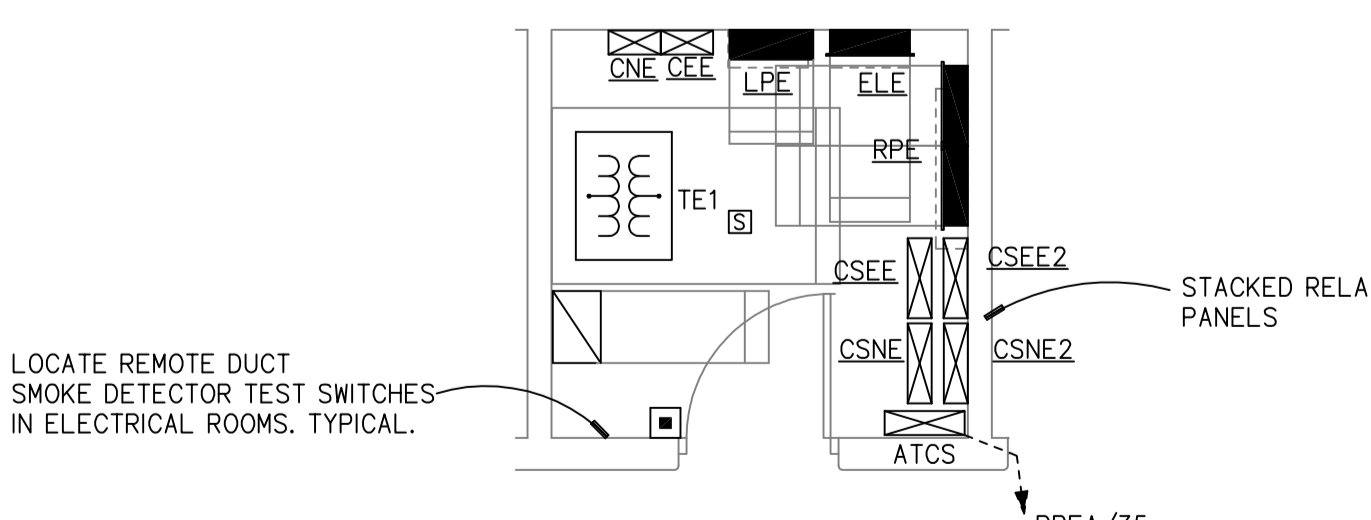
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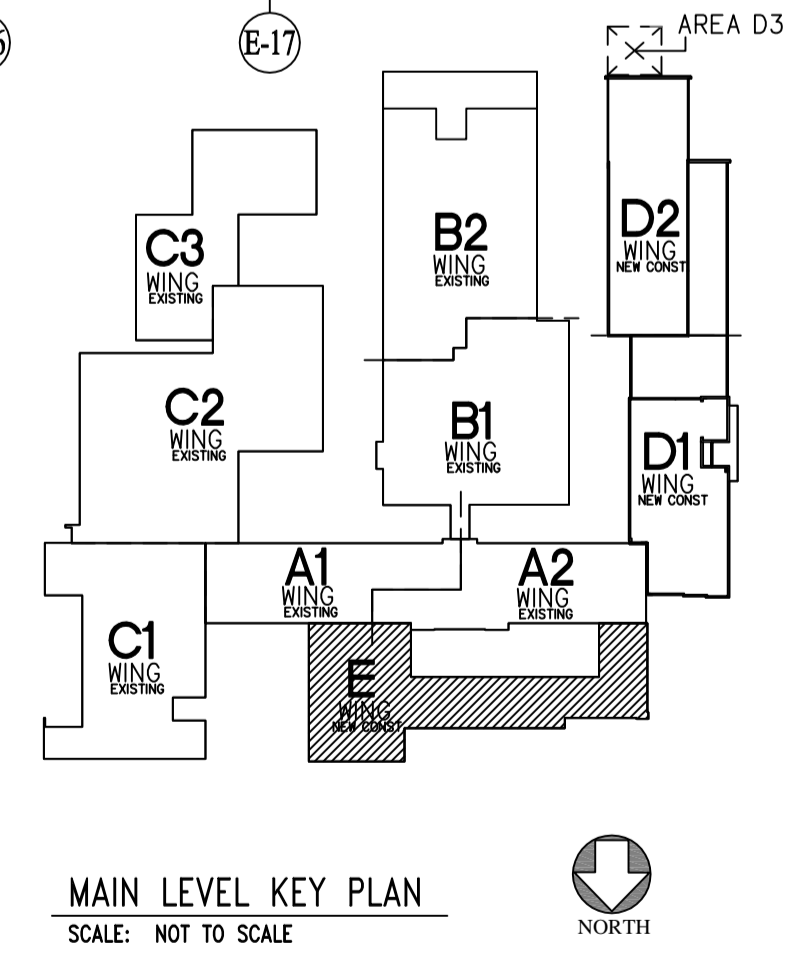
SHOP EQUIPMENT SCHEDULE - COSMETOLOGY SHOP

ITEM#	DESCRIPTION	CORD CAP TYPES	TYPE OF CABLE
DUB DUPL RECEP	1. TWO-STATION COSMETOLOGY STAND	-	-
DUB DUPL RECEP	2. SHAMPOO STATION WITH SEATING	-	-
	3. HAIR DRYERS	-	-
	4. STYLING CHAIR	-	-
2P-40A	5. FLAMMABLE STORAGE CABINET	-	-
1P-20A	6. CLOTHES DRYER	-	-
	7. CLOTHES WASHER	-	-



2 ELECTRICAL ROOM E137
 E-105.1 | E-105.1 SCALE: 1/4" = 1'-0"

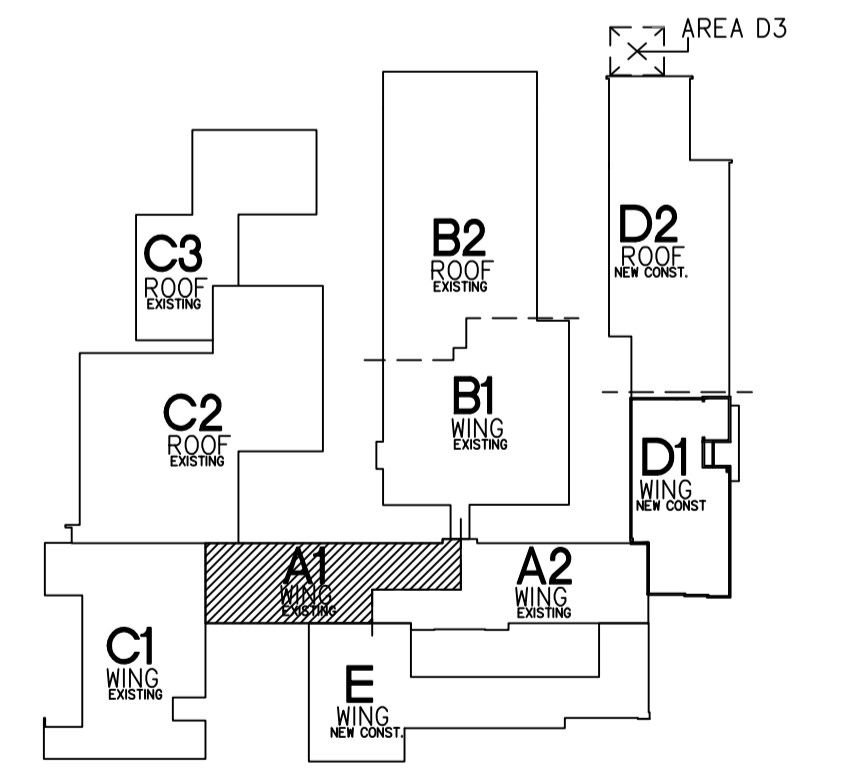
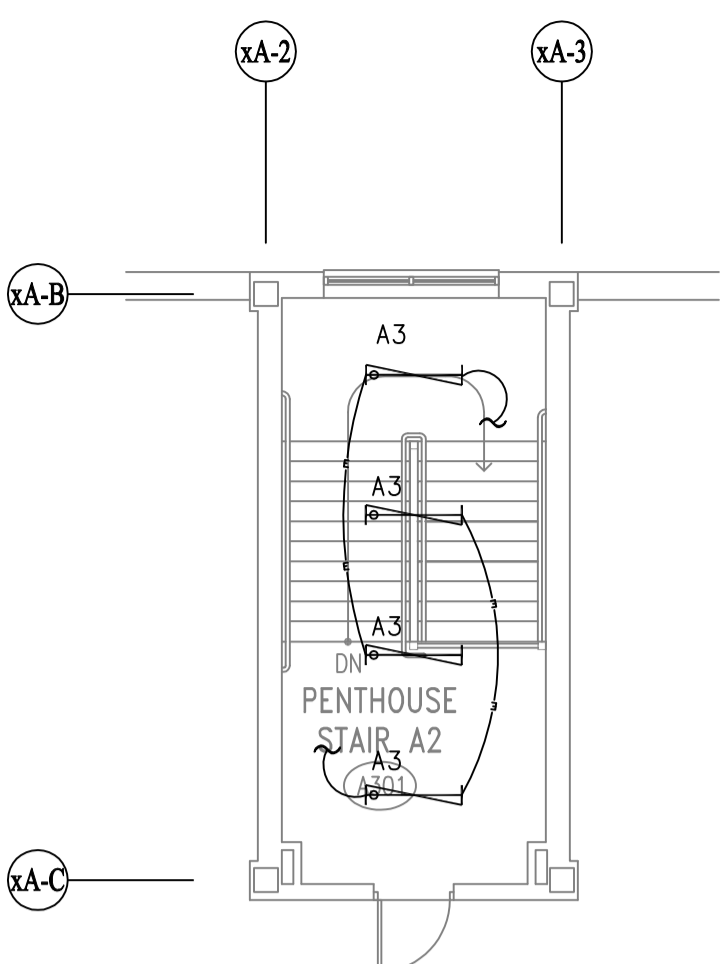
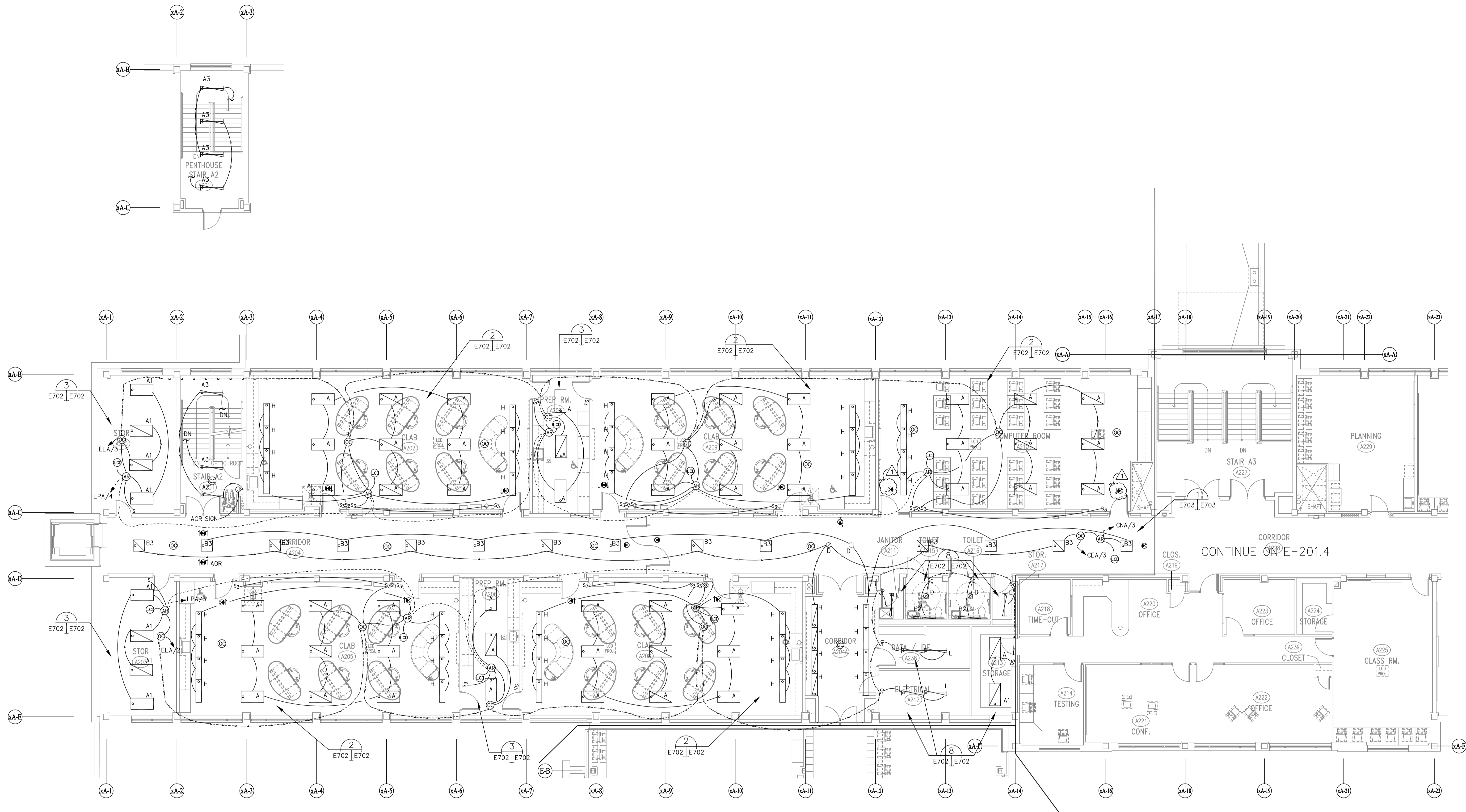
- NOTES:
- REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.
 - PROVIDE 3/4" PLYWOOD BACKBOARD, 8FT HIGH ON ALL WALL IN DATA E135.



MAIN LEVEL KEY PLAN
 SCALE: NOT TO SCALE

CMR BID DOCUMENTS

Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, New Britain, Connecticut 06051 Tel: 203-866-5338	Drawing Title: AREA E MAIN LEVEL POWER	STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS						
Professional Seal & Signature: 	REVISIONS <table border="1"> <thead> <tr> <th>Mark</th> <th>Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>△</td> <td>7-9-2012</td> <td>ADDENDUM #1</td> </tr> </tbody> </table>	Mark	Date	Description	△	7-9-2012	ADDENDUM #1	Drawing Prepared By: ANTONOZZI ASSOCIATES, ARCHITECTS 271 FARMFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604
Mark	Date	Description						
△	7-9-2012	ADDENDUM #1						
Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514	Date: 08-18-2012 Scale: 1/8"=1'-0"	Drawn By: XYZ Approved By: XYZ Drawing No.: E-105.1						
Project No.: 045114E	Drawing No.: BI-RT-837							



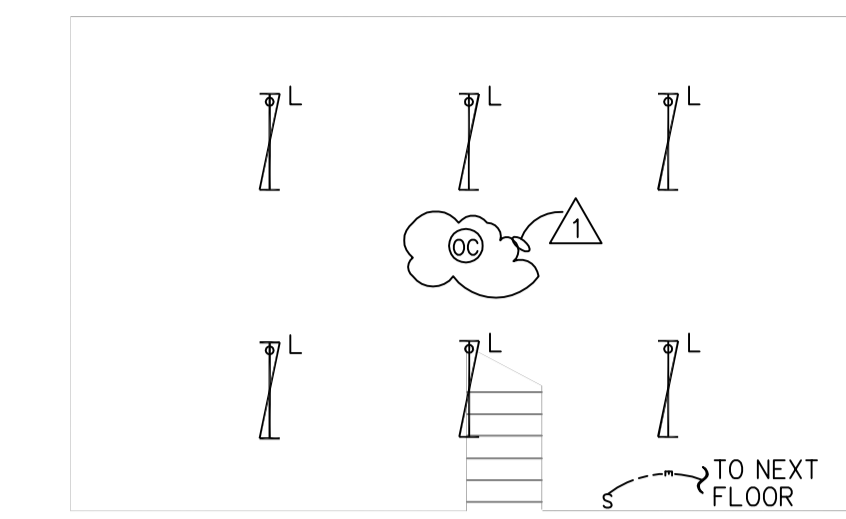
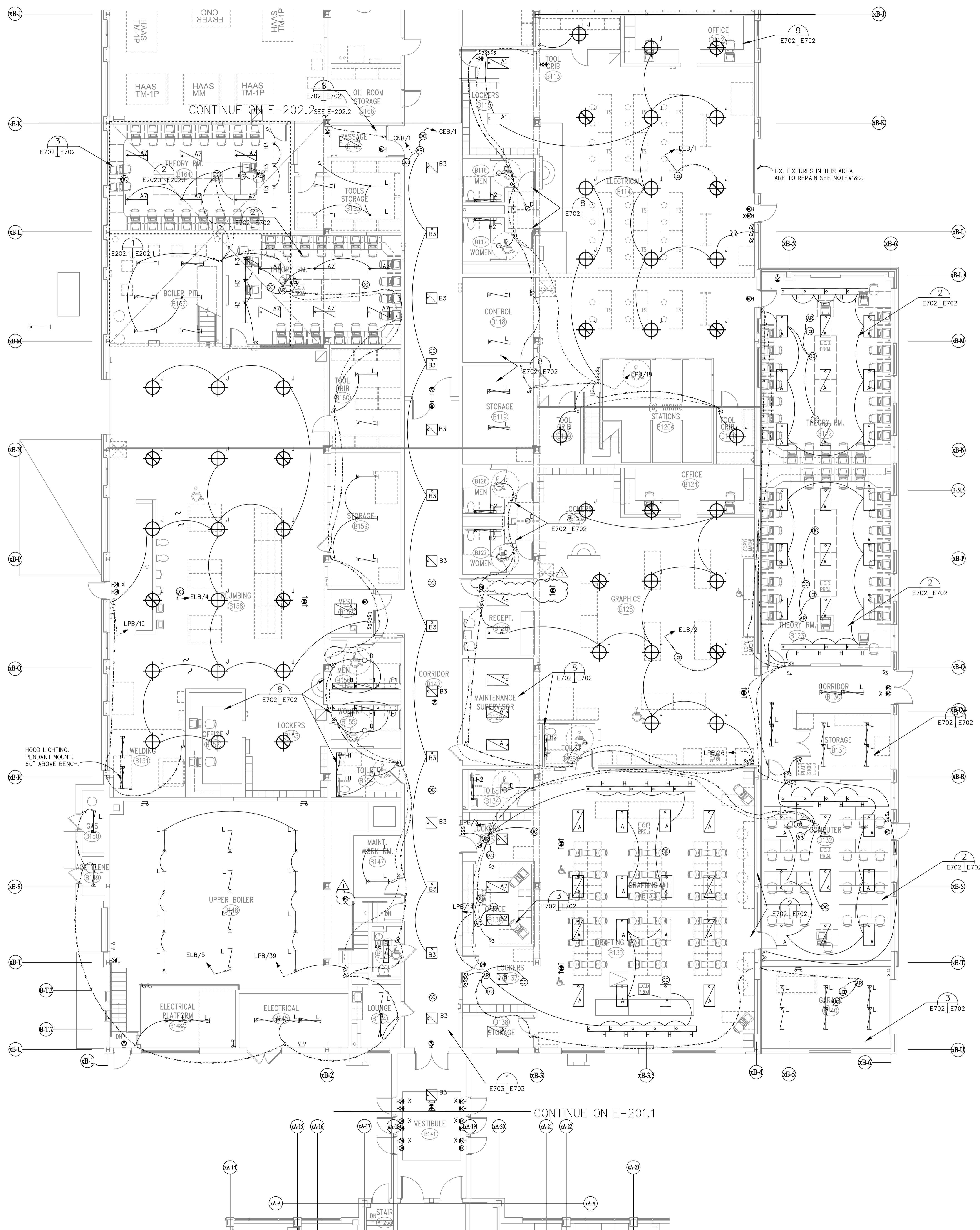
UPPER LEVEL KEY PLAN
SCALE: NOT TO SCALE

NOTES:
1. REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.
2. REFER TO ER-100 FOR REMOVAL GENERAL NOTES AND REMOVAL DRAWING NOTES.

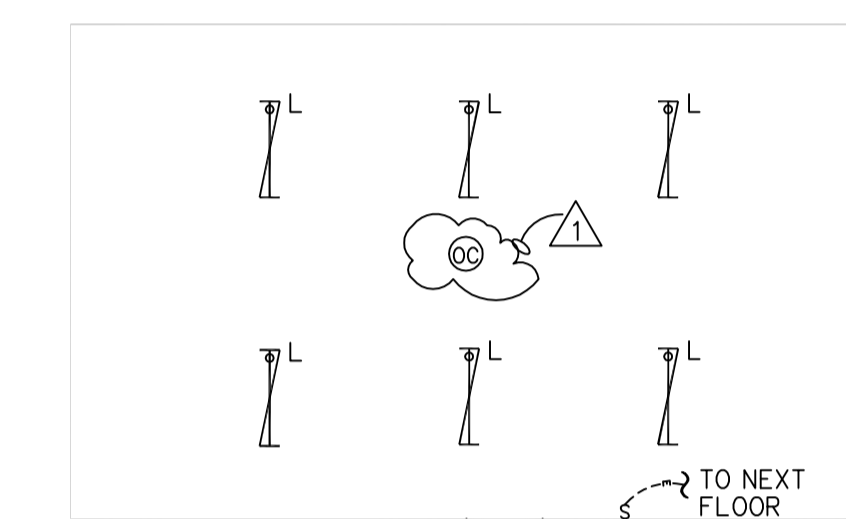
CMR BID DOCUMENTS

Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, New Rochelle, Connecticut 06851 Tel: 203-866-5338 Fax: 203-866-5343	Drawing Title: AREA A1 UPPER LEVEL LIGHTING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
	Professional Seal & Signature: 		Drawing Prepared By: ANTIKOZZI ASSOCIATES, ARCHITECTS 271 FARMFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604	
Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514		Date: 08-18-2012 Scale: 1/8"=1'-0"		Drawing No.: E-201.3
Project No.: BI-RT-837		Drawing No.: E-201.3		

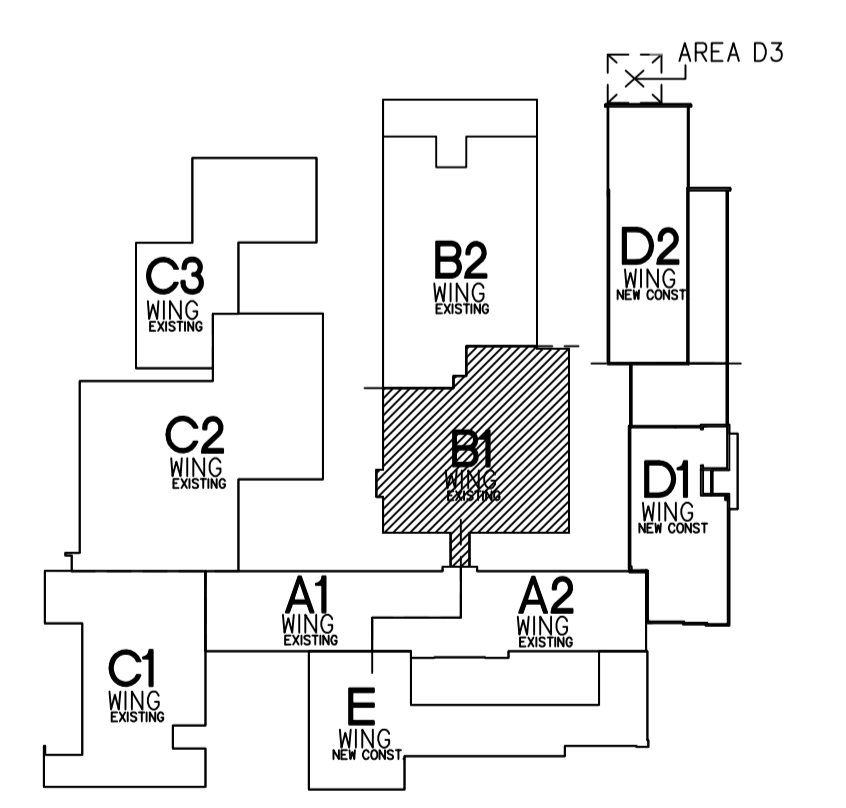
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1 PLUMBING ROOM MEZZANINE
E202.1 | E202.1 SCALE: 1/8" = 1'-0"



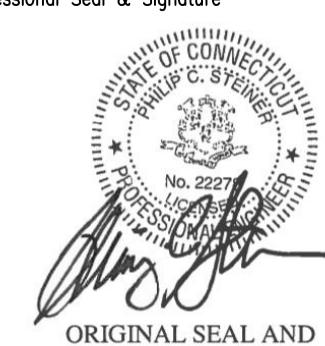
2 ELECTRICAL ROOM PLATFORM LIGHTING
E202.1 | E202.1 SCALE: 1/8" = 1'-0"



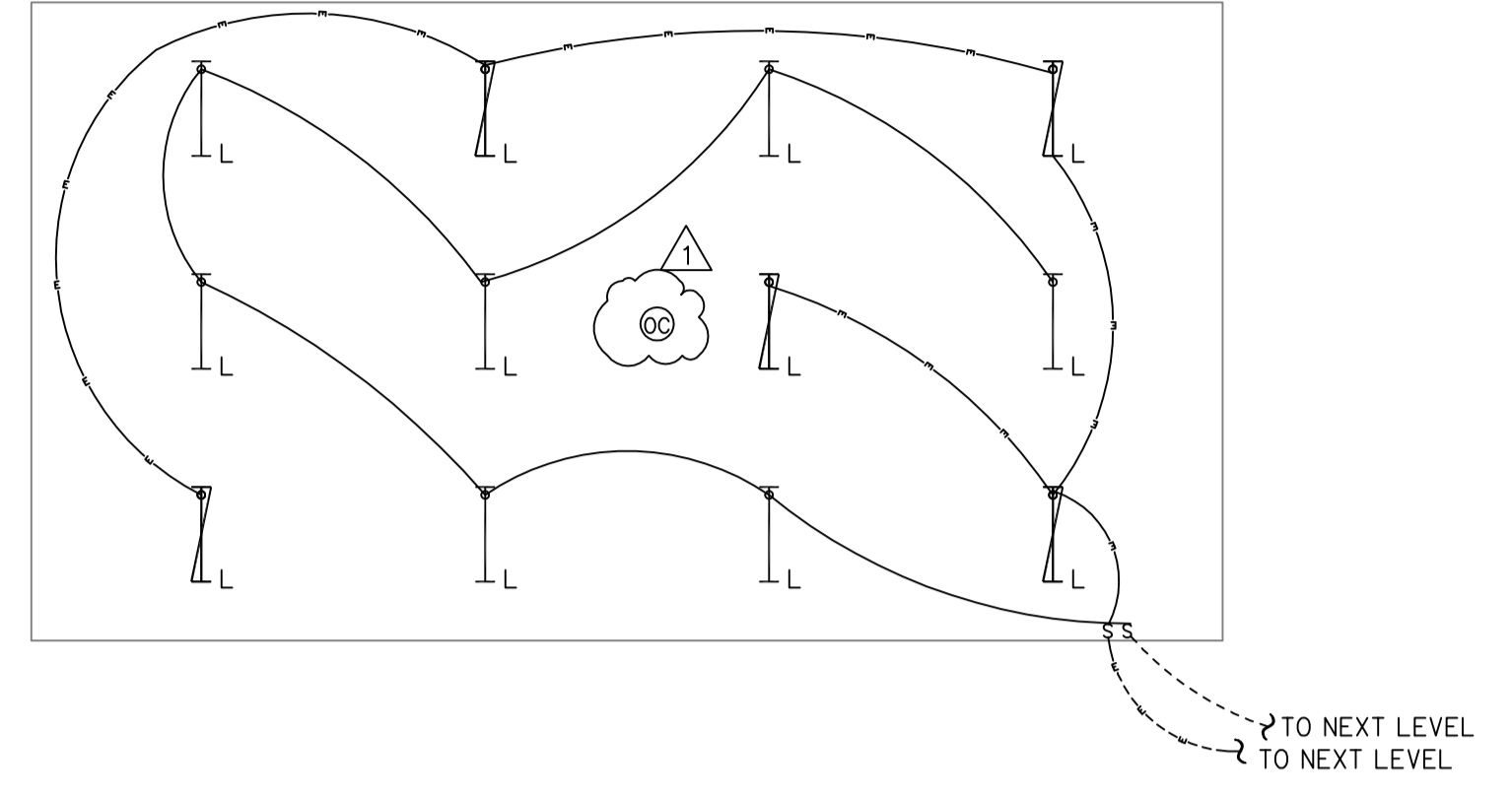
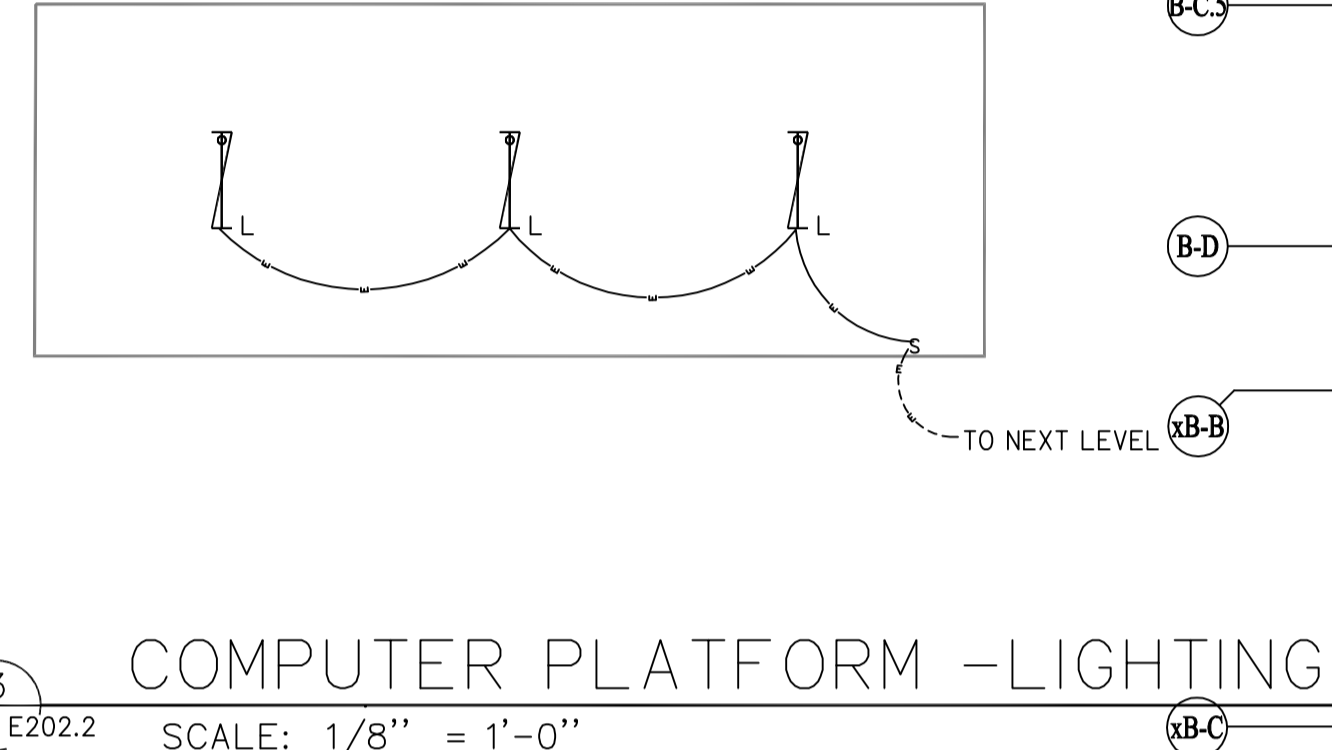
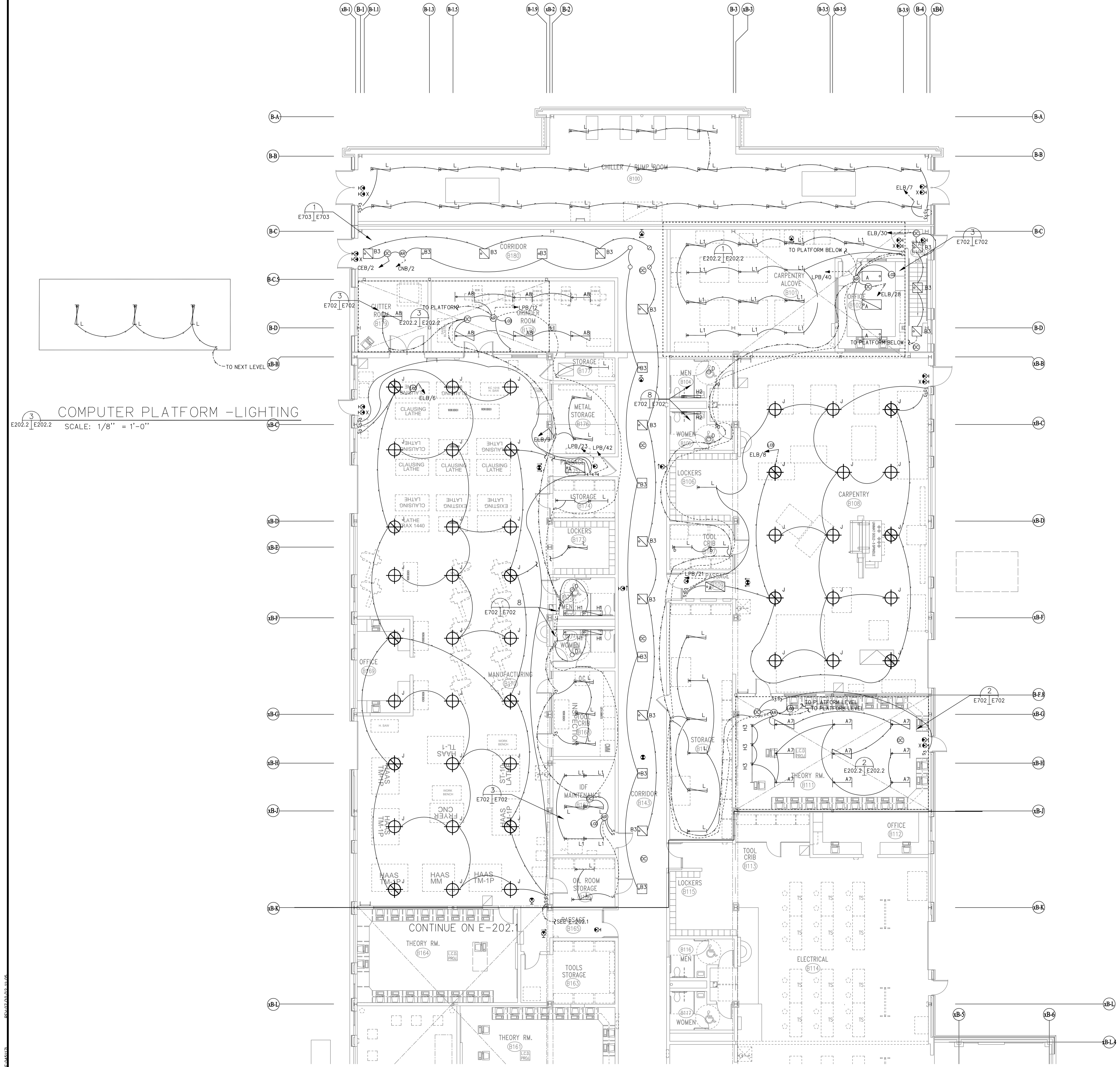
MAIN LEVEL KEY PLAN
SCALE: NOT TO SCALE

- NOTES:
1. REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.
 2. REFER TO ER-100 FOR REMOVAL GENERAL NOTES AND REMOVAL DRAWING NOTES.

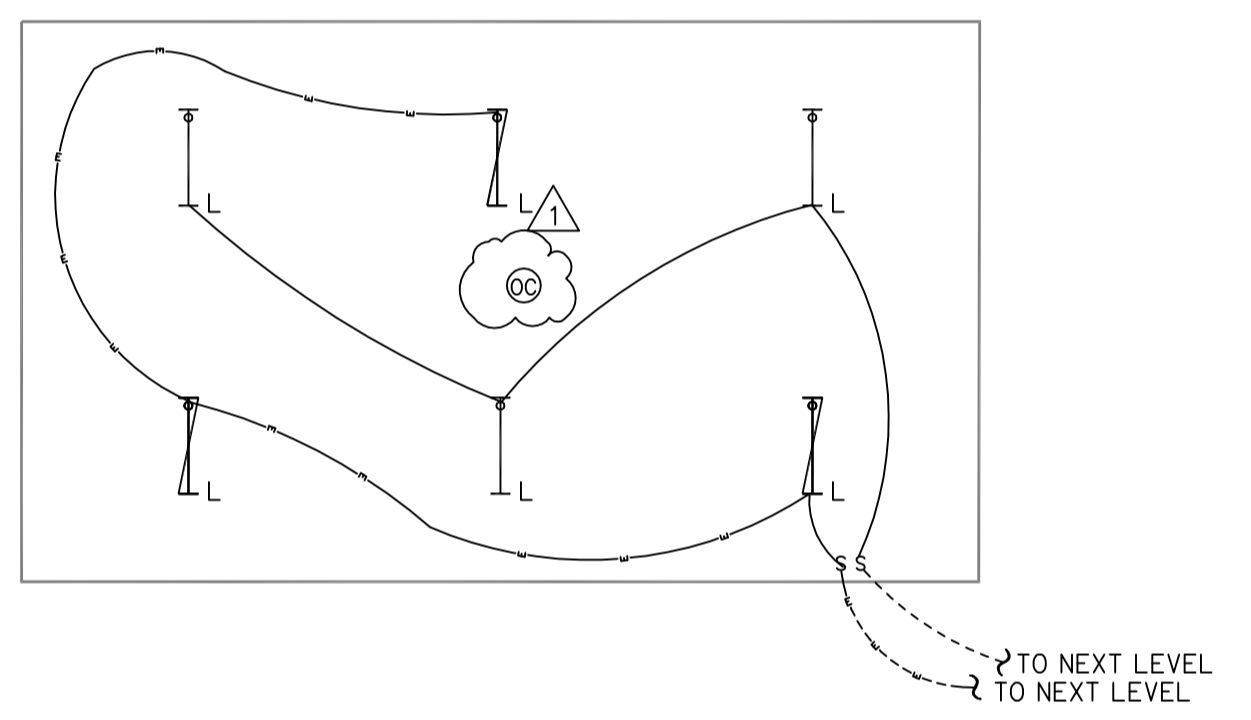
CMR BID DOCUMENTS

Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, New Rochelle, Connecticut 06851 Tel: 203-866-5338 Fax: 203-866-5343	Drawing Title: AREA B1 MAIN LEVEL LIGHTING	STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS						
Professional Seal & Signature:  ORIGINAL SEAL AND SIGNATURE IS BLUE	REVISIONS <table border="1"> <thead> <tr> <th>Mark</th> <th>Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>△</td> <td>7-9-2012</td> <td>ADDENDUM #1</td> </tr> </tbody> </table>	Mark	Date	Description	△	7-9-2012	ADDENDUM #1	Drawing Prepared By: ANTONOZZI ASSOCIATES, ARCHITECTS 271 PARKFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604 Date: 08-18-2012 Scale: 1/8"=1'-0" Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514 Drawing No.: E-202.1 Project No.: B1-RT-837
Mark	Date	Description						
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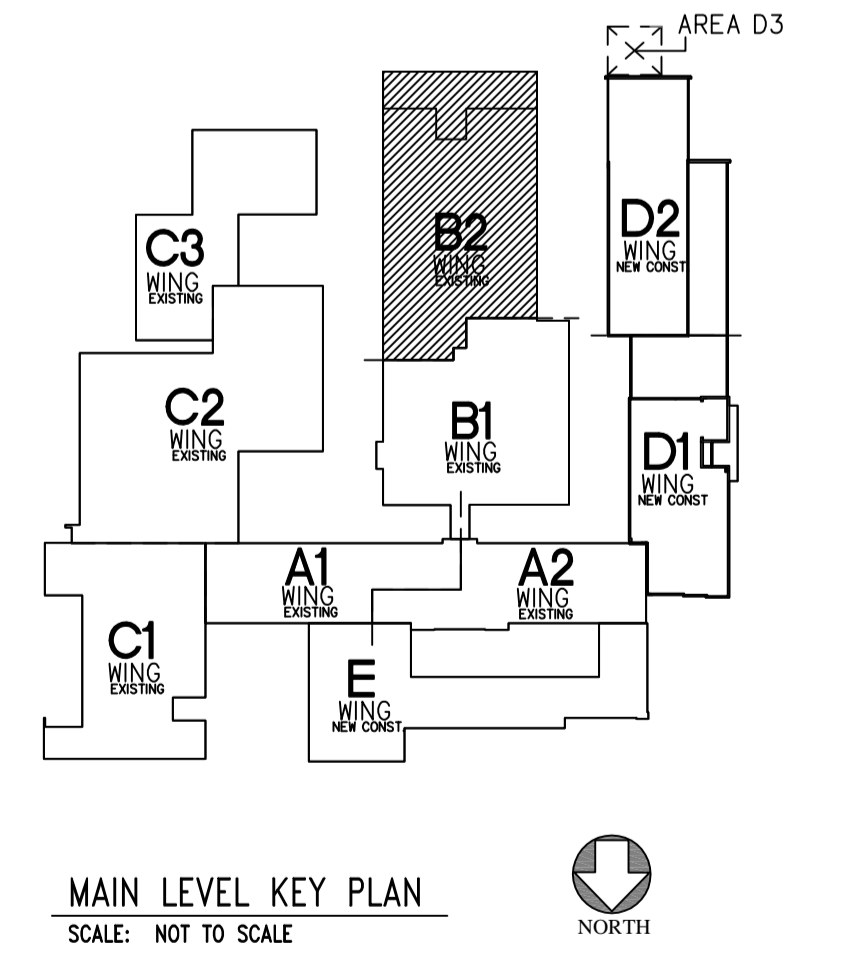
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1 CARPENTRY ROOM PLATFORM - LIGHTING
E202.2 | E202.2 SCALE: 1/8" = 1'-0"

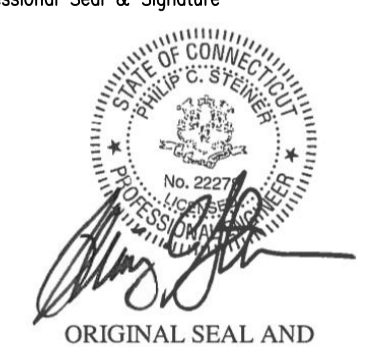


2 THEORY ROOM PLATFORM - LIGHTING
E202.2 | E202.2 SCALE: 1/8" = 1'-0"

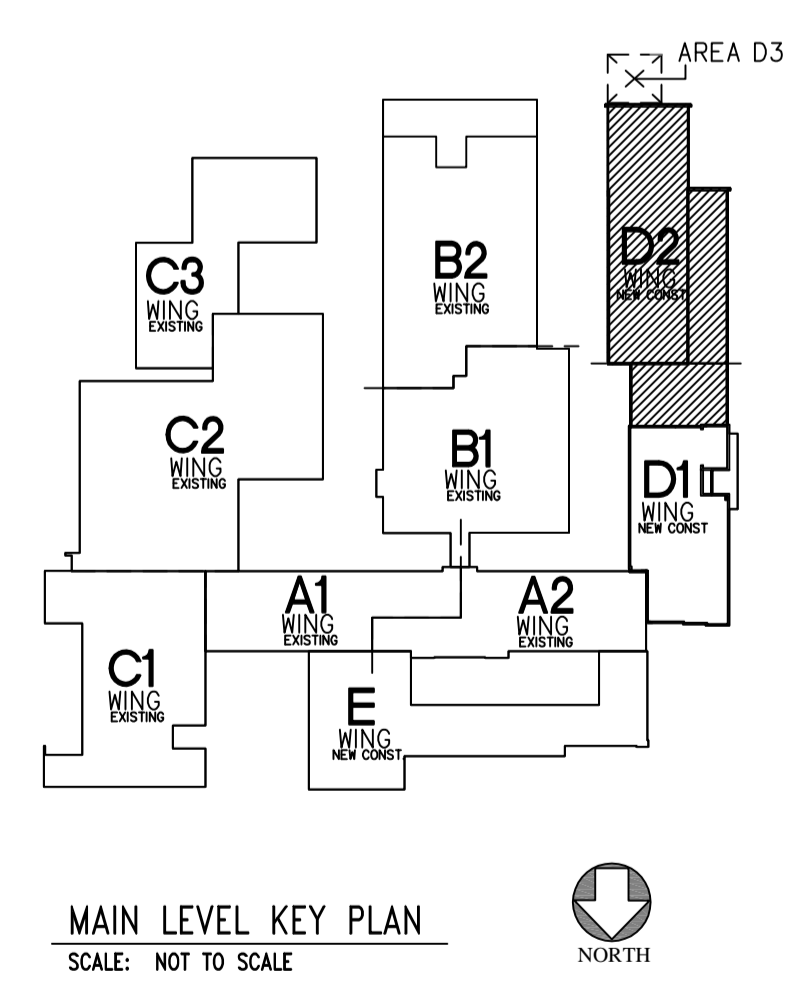
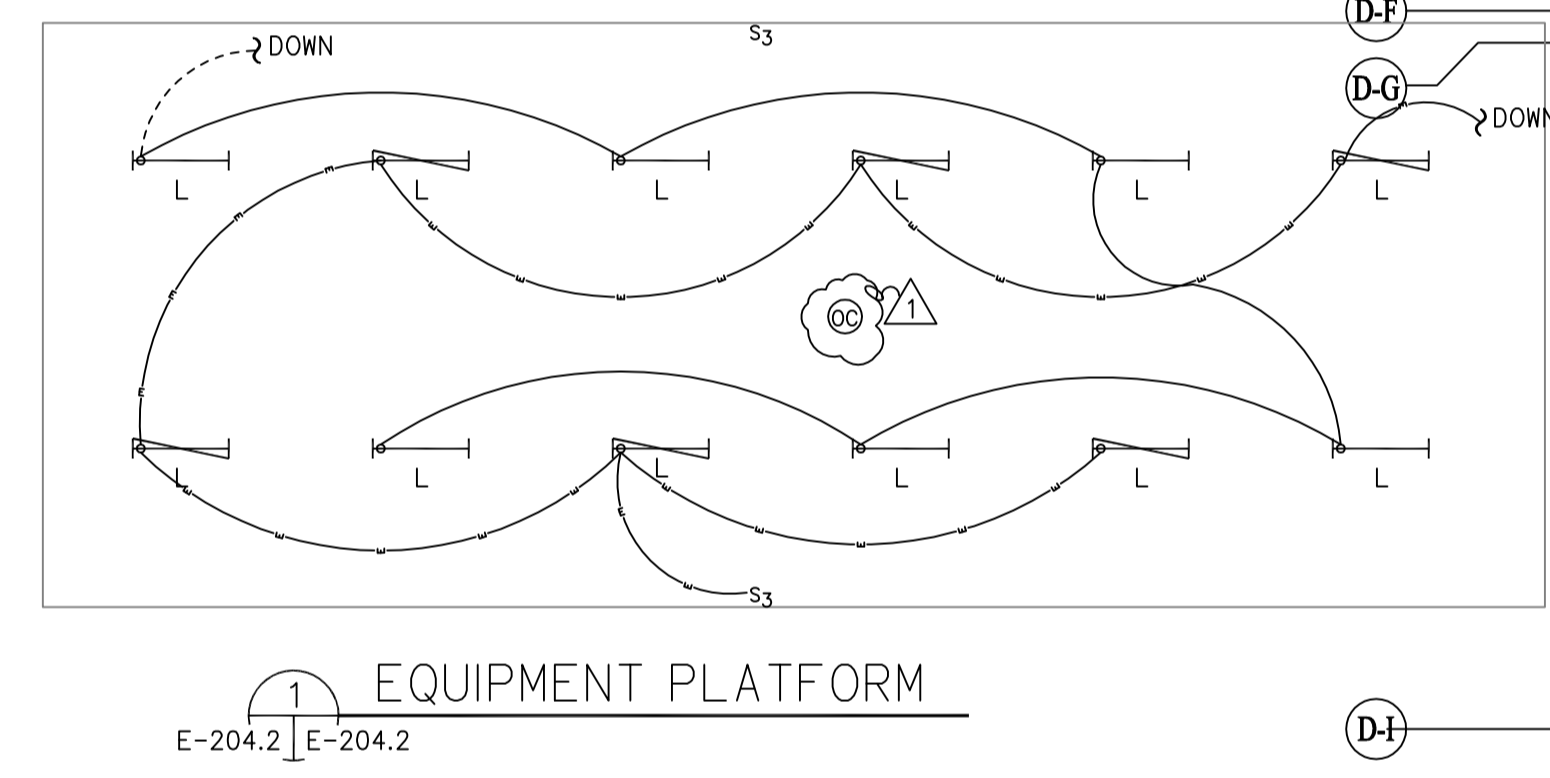
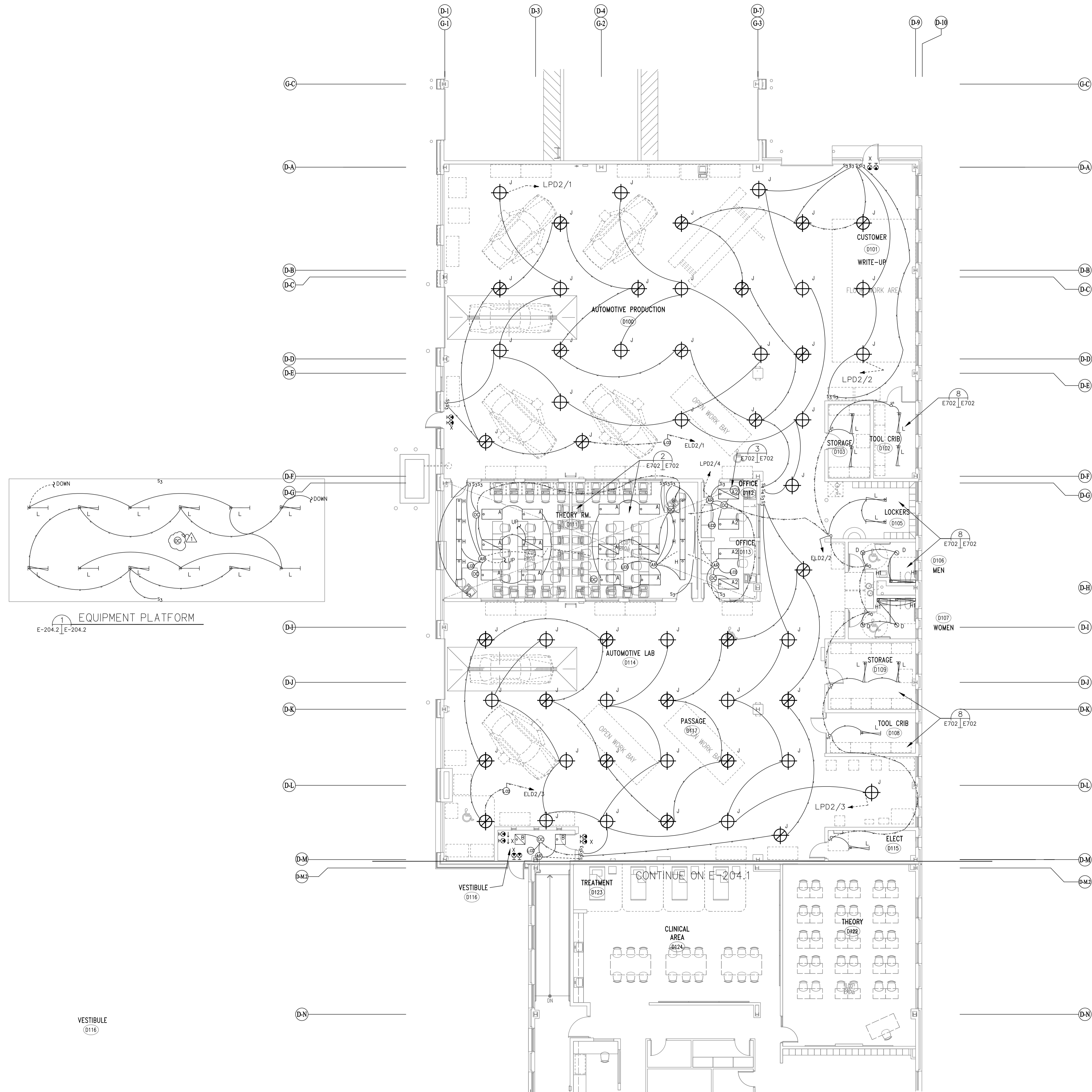


- NOTES:
- REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.
 - REFER TO ER-100 FOR REMOVAL GENERAL NOTES AND REMOVAL DRAWING NOTES.

CMR BID DOCUMENTS

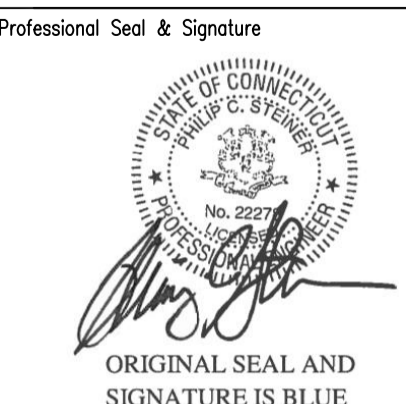
Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, New Rochelle, Connecticut 06851 Tel: 203-866-5338 Fax: 203-866-5343	Drawing Title: AREA B2 MAIN LEVEL LIGHTING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
	Professional Seal & Signature: 		Date: 08-18-2012	
Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514		Scale: 1/8"=1'-0"		Drawing No.: E-202.2
Project No.: 045117L		Drawing Title: REVISIONS		
Drawing No.: 045117L		Drawing Title: REVISIONS		Drawing No.: E-202.2

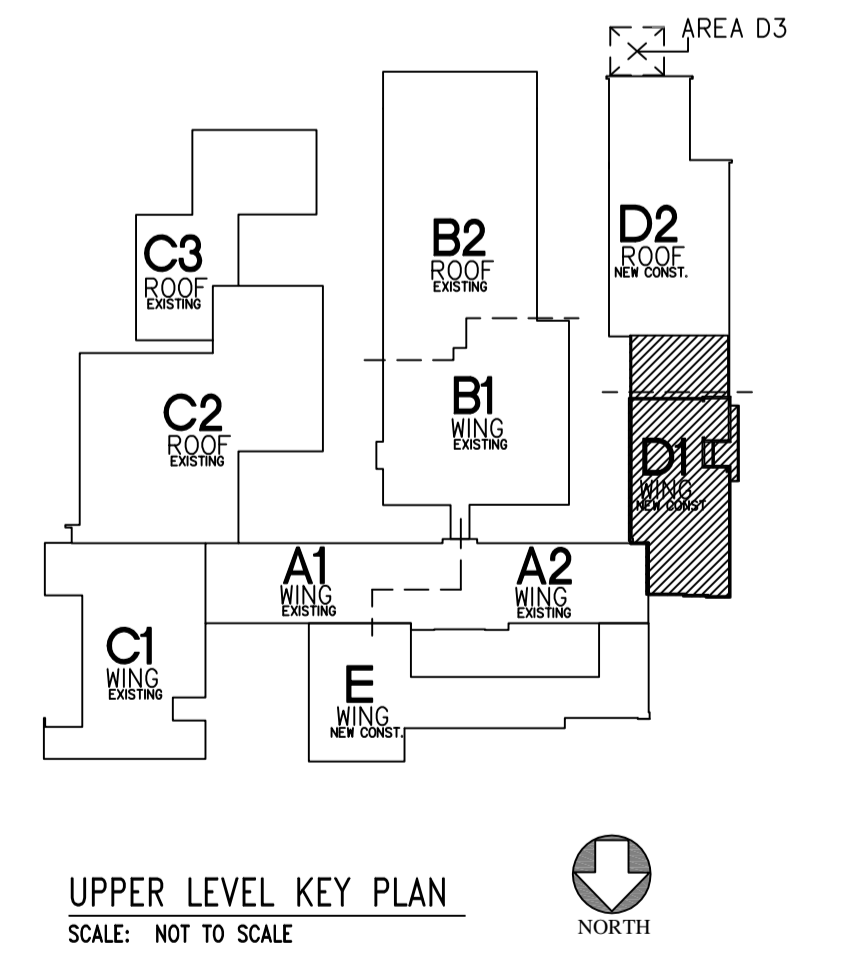
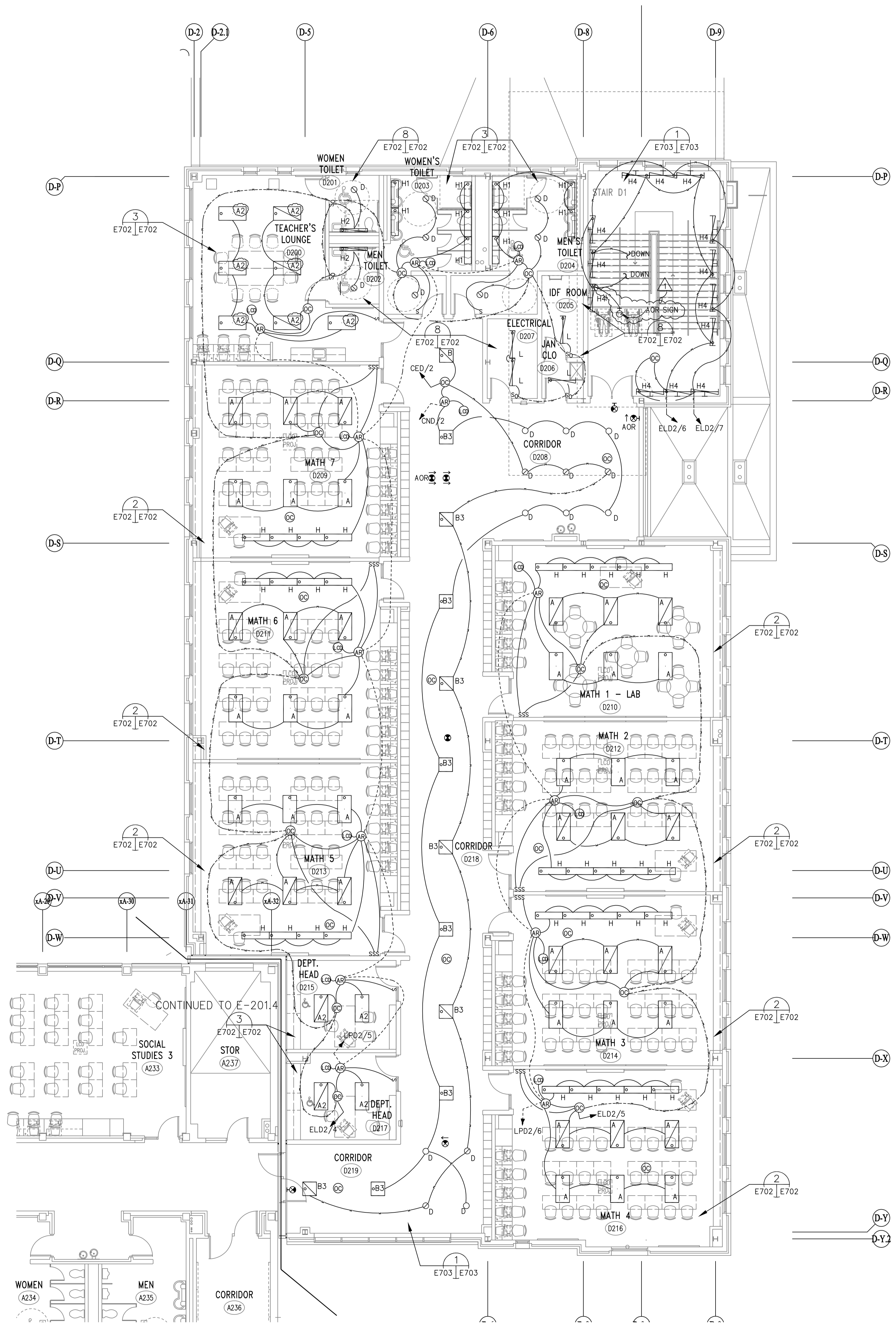
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NOTES:
 1. REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.

CMR BID DOCUMENTS

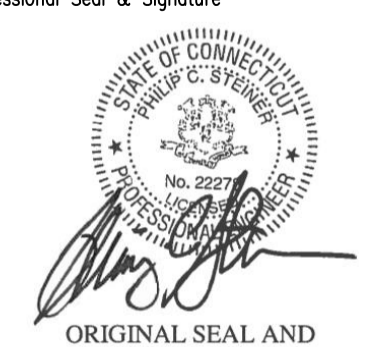
Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, Newark, Connecticut 06851 Tel: 203-866-5338 Fax: 203-866-5343		Drawing Title: AREA D2 MAIN LEVEL LIGHTING		State of Connecticut DEPARTMENT OF PUBLIC WORKS							
Professional Seal & Signature: 		Revisions: <table border="1"> <thead> <tr> <th>Mark</th> <th>Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>△</td> <td>7-9-2012</td> <td>ADDENDUM #1</td> </tr> </tbody> </table>		Mark	Date	Description	△	7-9-2012	ADDENDUM #1	Drawing Prepared By: ANTONOZZI ASSOCIATES, ARCHITECTS 271 FARMFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604	
Mark	Date	Description									
△	7-9-2012	ADDENDUM #1									
Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514		Date: 06-18-2012 Scale: 1/8"=1'-0"		Drawn By: Approved By: Drawing No.: E-204.2							
Project No.: BI-RT-837		Drawing No.: 045111L		Project No.: BI-RT-837							



UPPER LEVEL KEY PLAN
SCALE: NOT TO SCALE

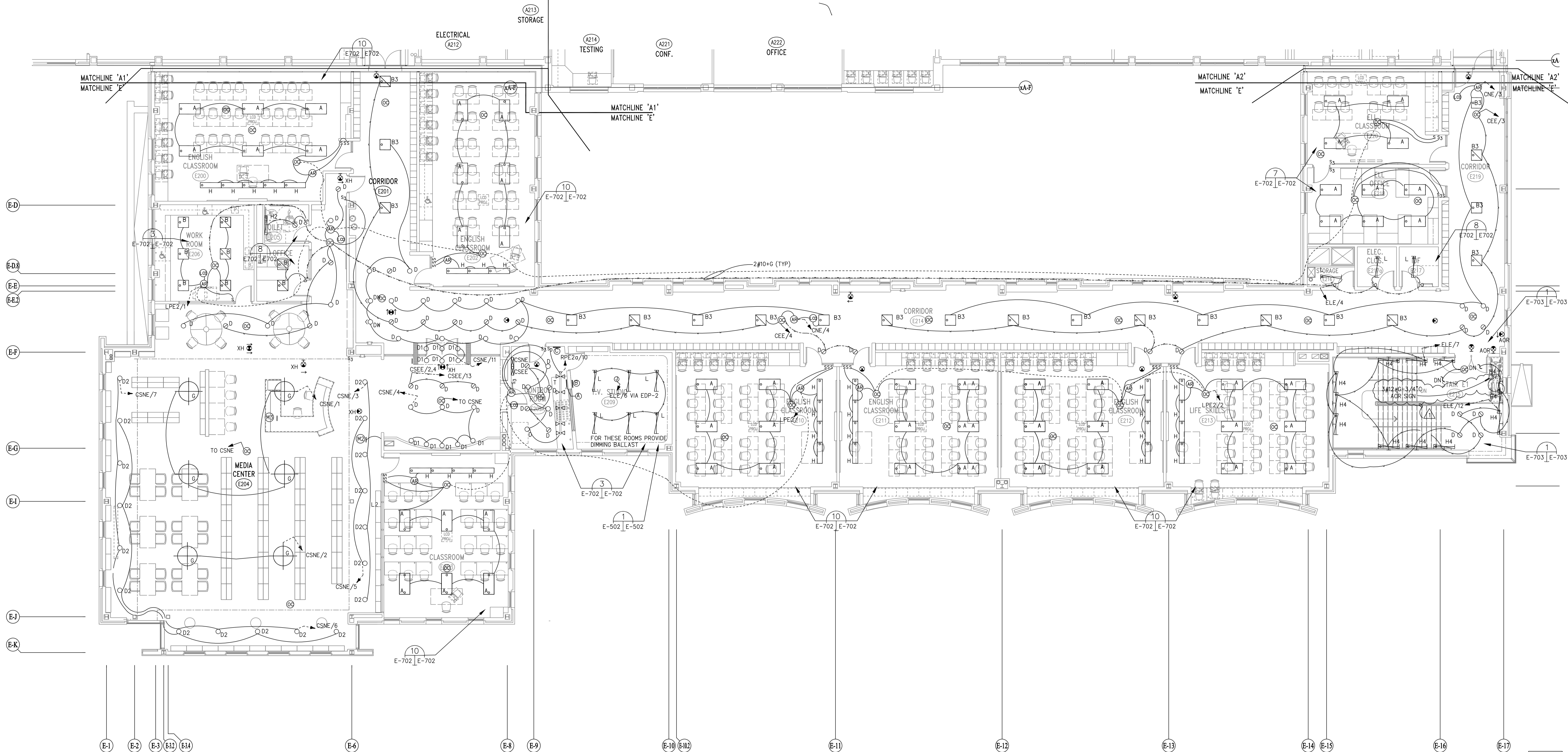
NOTES:
1. REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.

CMR BID DOCUMENTS

Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, New Britain, Connecticut 06051 Tel: 203-866-5338 Fax: 203-866-5343	Drawing Title: AREA D1 UPPER LEVEL LIGHTING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS							
	Professional Seal & Signature:  ORIGINAL SEAL AND SIGNATURE IS BLUE		Drawing Prepared By: ANTONOZZI ASSOCIATES, ARCHITECTS 271 FARMFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604							
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Project: ELI WHITNEY CTSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514		Project No.: BI-RT-837								

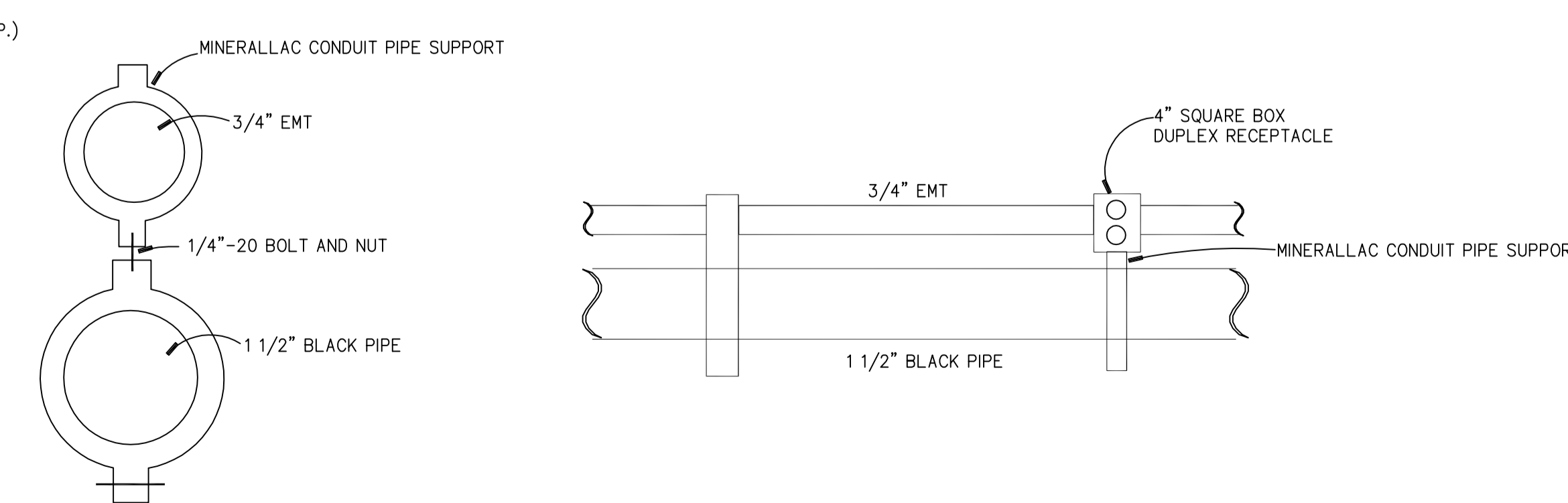
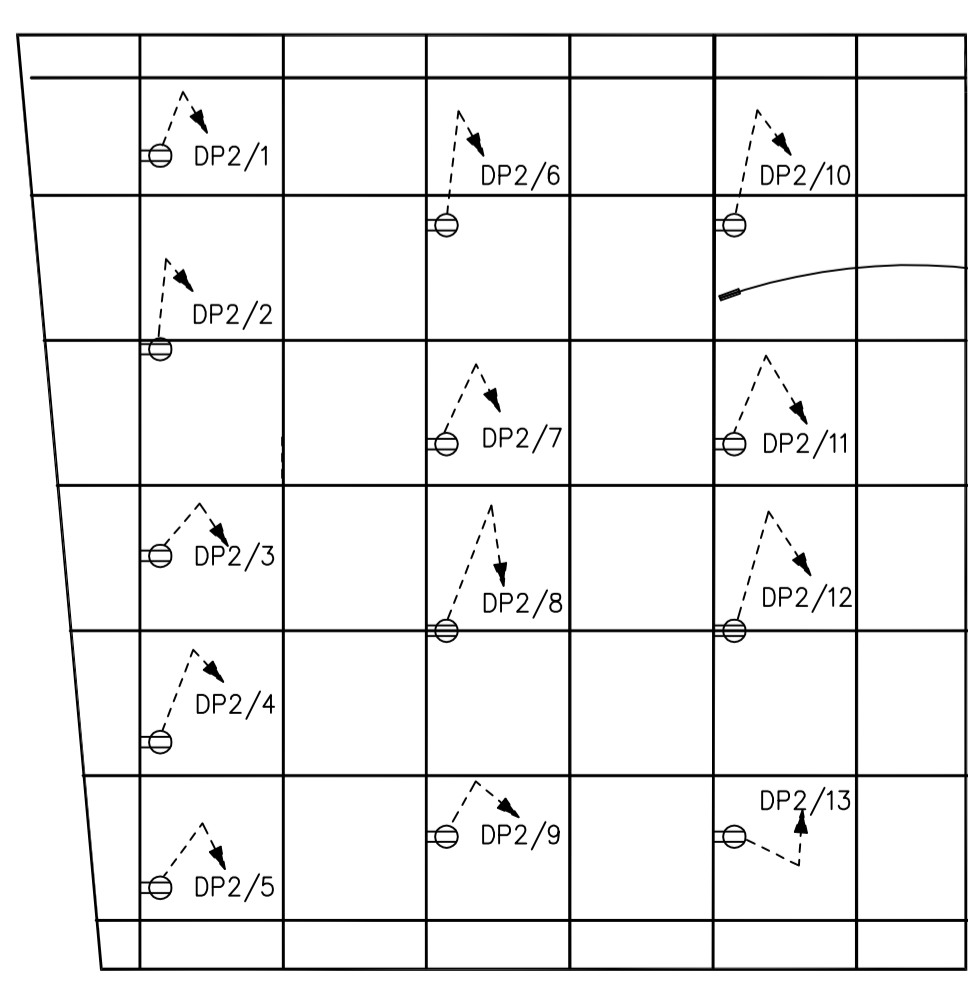
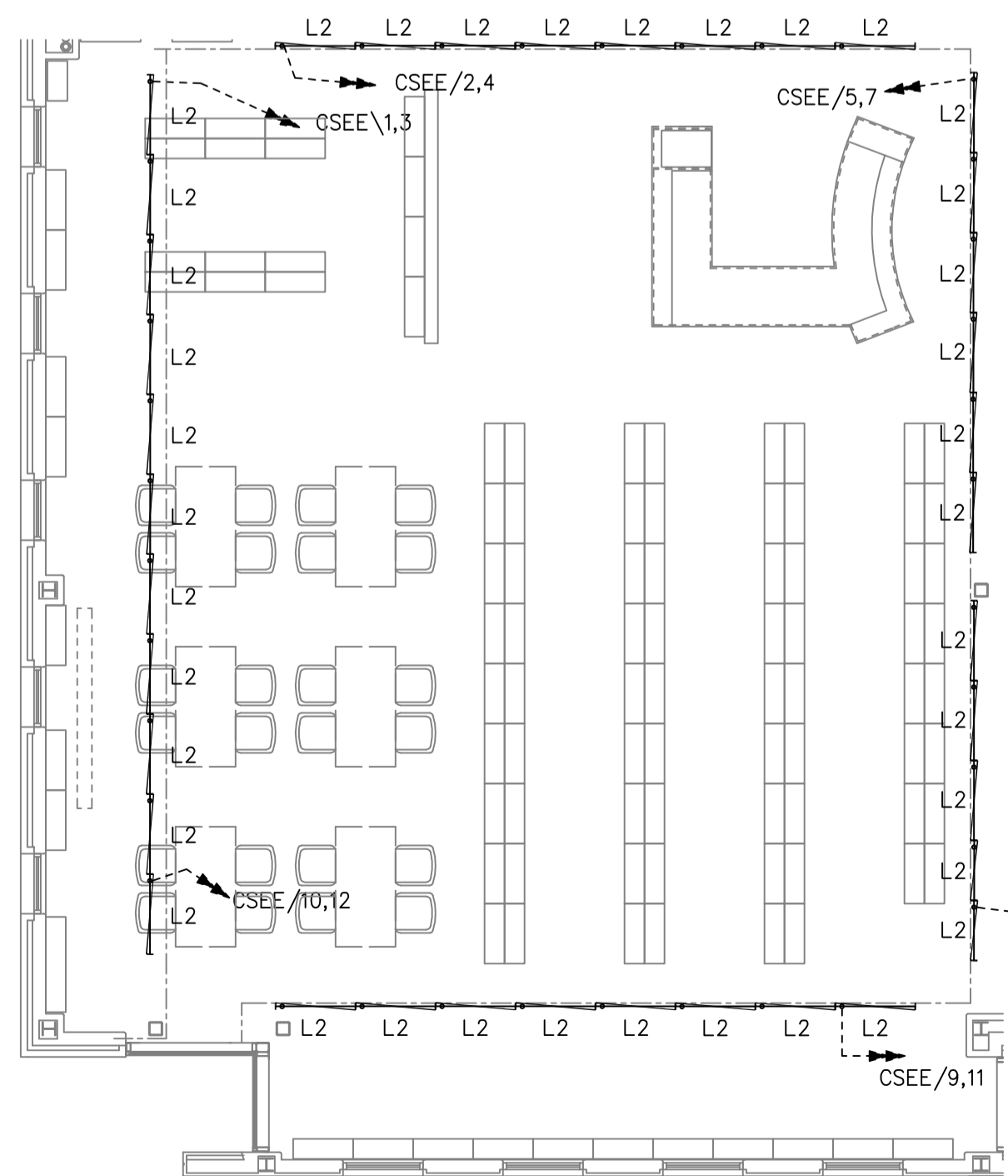
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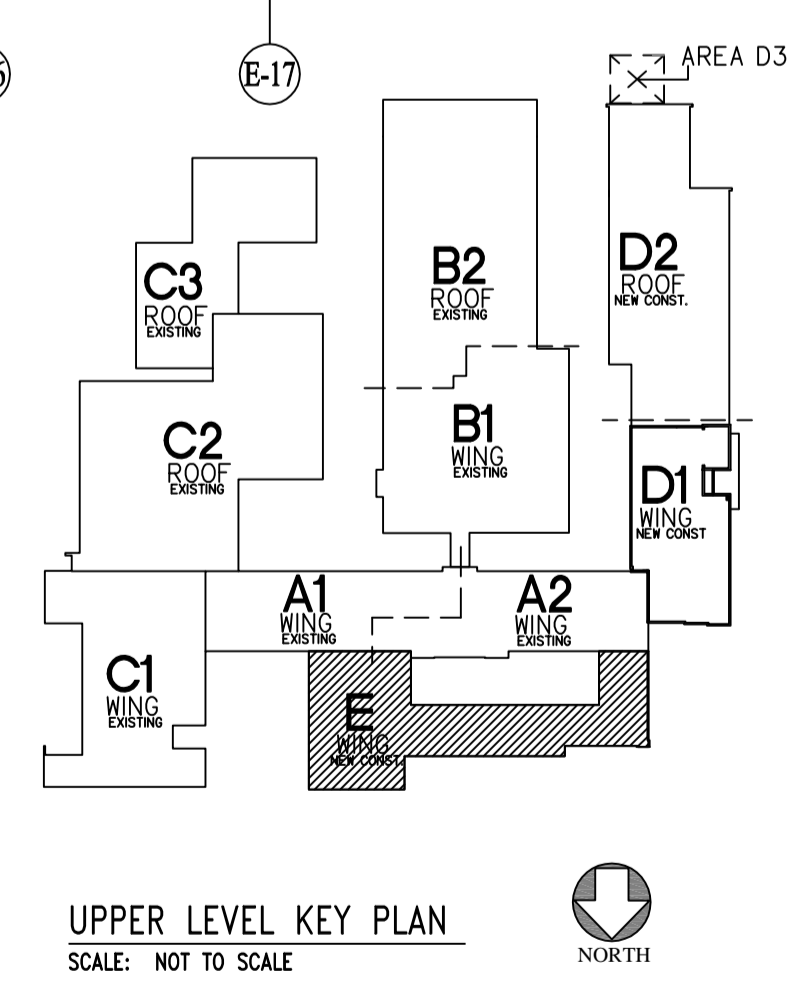


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NOTES:
1. REFER TO E-001 FOR GENERAL NOTES AND ELECTRICAL SYMBOLS.


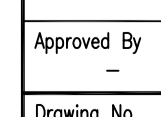



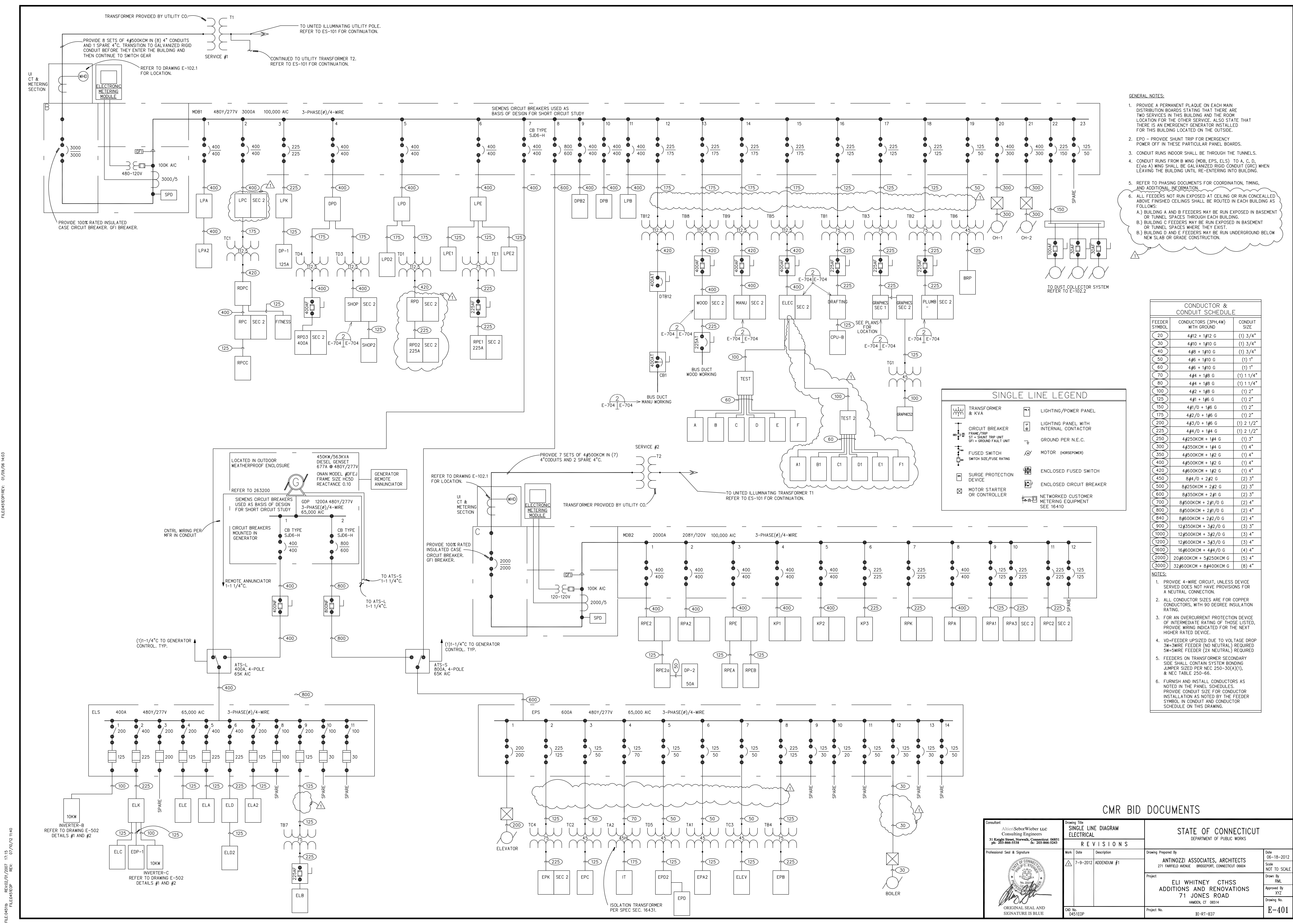
3 UPPER CLEAR STORY
E205.2 | E205.2 SCALE: 1/4" = 1'-0"

1 PIPE GRID DETAIL
E205.2 | E205.2 SCALE: 1/4" = 1'-0"

NOTE: PIPE GRID TO BE FURNISHED AND INSTALLED BY DRAPKA OR PRE-APPROVED EQUAL

CMR BID DOCUMENTS

Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, New Britain, Connecticut 06051 Tel: 203-866-5338 Fax: 203-866-5343	Drawing Title: AREA E UPPER LEVEL LIGHTING		State of Connecticut DEPARTMENT OF PUBLIC WORKS	
	Professional Seal & Signature: 		Date: 08-18-2012 Scale: 1/8"=1'-0"	
Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514		Drawing Prepared By: ANTIKOZZI ASSOCIATES, ARCHITECTS 271 FARMFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604		Date: 08-18-2012
Drawing No.: E-205.2		Project No.: BI-RT-837		Approved By: 
Drawing Title: AREA E UPPER LEVEL LIGHTING		REVISIONS		Drawing No.: E-205.2
Mark: 		Date: 7-9-2012 Description: ADDENDUM #1		Drawing No.: E-205.2



- GENERAL NOTES:**
- PROVIDE A PERMANENT PLAQUE ON EACH MAIN DISTRIBUTION BOARD STATING THAT THERE ARE TWO SERVICES IN THIS BUILDING AND THE ROOM LOCATION FOR THE OTHER SERVICE. ALSO STATE THAT THERE IS AN EMERGENCY GENERATOR INSTALLED FOR THIS BUILDING LOCATED ON THE OUTSIDE.
 - EPO - PROVIDE SHUNT TRIP FOR EMERGENCY POWER OFF IN THESE PARTICULAR PANEL BOARDS.
 - CONDUIT RUNS INDOOR SHALL BE THROUGH THE TUNNELS.
 - CONDUIT RUNS FROM B WING (MOB, EPS, ELS) TO A, C, D, E (via A) WING SHALL BE GALVANIZED RIGID CONDUIT (GRC) WHEN LEAVING THE BUILDING UNTIL RE-ENTERING INTO BUILDING.
 - REFER TO PHASING DOCUMENTS FOR COORDINATION, TIMING, AND ADDITIONAL INFORMATION.
 - ALL FEEDERS NOT RUN EXPOSED AT CEILING OR RUN CONCEALED ABOVE FINISHED CEILING SHALL BE ROUTED IN EACH BUILDING AS FOLLOWS:
 - A) BUILDING A AND B FEEDERS MAY BE RUN EXPOSED IN BASEMENT OR TUNNEL SPACES THROUGH EACH BUILDING.
 - B) BUILDING C FEEDERS MAY BE RUN EXPOSED IN BASEMENT OR TUNNEL SPACES WHERE THEY EXIST.
 - B) BUILDING D AND E FEEDERS MAY BE RUN UNDERGROUND BELOW NEW SLAB OR GRADE CONSTRUCTION.

CONDUCTOR & CONDUIT SCHEDULE

FEEDER SYMBOL	CONDUCTORS (3PH,4W) WITH GROUND	CONDUIT SIZE
20	4#12 + 1#12 G	(1) 3/4"
30	4#10 + 1#10 G	(1) 3/4"
40	4#8 + 1#8 G	(1) 3/4"
50	4#6 + 1#6 G	(1) 1"
60	4#6 + 1#6 G	(1) 1"
70	4#4 + 1#6 G	(1) 1 1/4"
80	4#4 + 1#6 G	(1) 1 1/4"
100	4#2 + 1#6 G	(1) 2"
125	4#1 + 1#6 G	(1) 2"
150	4#1/0 + 1#6 G	(1) 2"
175	4#2/0 + 1#6 G	(1) 2"
200	4#3/0 + 1#6 G	(1) 2 1/2"
225	4#4/0 + 1#4 G	(1) 2 1/2"
250	4#250KCM + 1#4 G	(1) 3"
300	4#350KCM + 1#4 G	(1) 4"
350	4#500KCM + 1#2 G	(1) 4"
400	4#500KCM + 1#2 G	(1) 4"
420	4#600KCM + 1#2 G	(1) 4"
450	8#4/0 + 2#2 G	(2) 3"
500	8#250KCM + 2#2 G	(2) 3"
600	8#350KCM + 2#1 G	(2) 3"
700	8#500KCM + 2#1/0 G	(2) 4"
800	8#500KCM + 2#1/0 G	(2) 4"
840	8#500KCM + 2#2/0 G	(2) 4"
900	12#350KCM + 3#2/0 G	(3) 3"
1000	12#500KCM + 3#2/0 G	(3) 4"
1200	12#600KCM + 3#3/0 G	(3) 4"
1600	16#600KCM + 4#4/0 G	(4) 4"
2000	20#600KCM + 5#250KCM G	(5) 4"
3000	32#600KCM + 8#400KCM G	(8) 4"

- NOTES:**
- PROVIDE 4-WIRE CIRCUIT, UNLESS DEVICE SERVED DOES NOT HAVE PROVISIONS FOR A NEUTRAL CONNECTION.
 - ALL CONDUCTOR SIZES ARE FOR COPPER CONDUCTORS, WITH 90 DEGREE INSULATION RATING.
 - FOR AN OVERCURRENT PROTECTION DEVICE OF INTERMEDIATE RATING OF THOSE LISTED, PROVIDE WIRING INDICATED FOR THE NEXT HIGHER RATED DEVICE.
 - VD=FEEDER UPSIZED DUE TO VOLTAGE DROP 3W=3 WIRE FEEDER (NO NEUTRAL) REQUIRED 5W=5 WIRE FEEDER (2X NEUTRAL) REQUIRED
 - FEEDERS ON TRANSFORMER SECONDARY SIDE SHALL CONTAIN SYSTEM BONDING JUMPER SIZED PER NEC 250-30(A)(1), & NEC TABLE 250-66.
 - FURNISH AND INSTALL CONDUCTORS AS NOTED IN THE PANEL SCHEDULES. PROVIDE CONDUIT SIZE FOR CONDUCTOR INSTALLATION AS NOTED BY THE FEEDER SYMBOL IN CONDUIT AND CONDUCTOR SCHEDULE ON THIS DRAWING.

CMR BID DOCUMENTS

Consultant: Allier/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, New Britain, Connecticut 06051 Tel: 203-866-5338 Fax: 203-866-5343		Drawing Title: SINGLE LINE DIAGRAM ELECTRICAL		State of Connecticut DEPARTMENT OF PUBLIC WORKS	
Professional Seal & Signature: 		Drawing Prepared By: ANTINOZZI ASSOCIATES, ARCHITECTS 271 PARKFIELD AVENUE BRIDGEPORT, CONNECTICUT 06604		Date: 06-18-2012	
Original Seal and Signature is Blue		Revisions: Mark, Date, Description, Addendum #1		Scale: NOT TO SCALE	
Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD		Drawing No.: E-401		Date: 07-10-2012	
Project No.: BT-RT-837		Drawing No.: E-401		Date: 07-10-2012	

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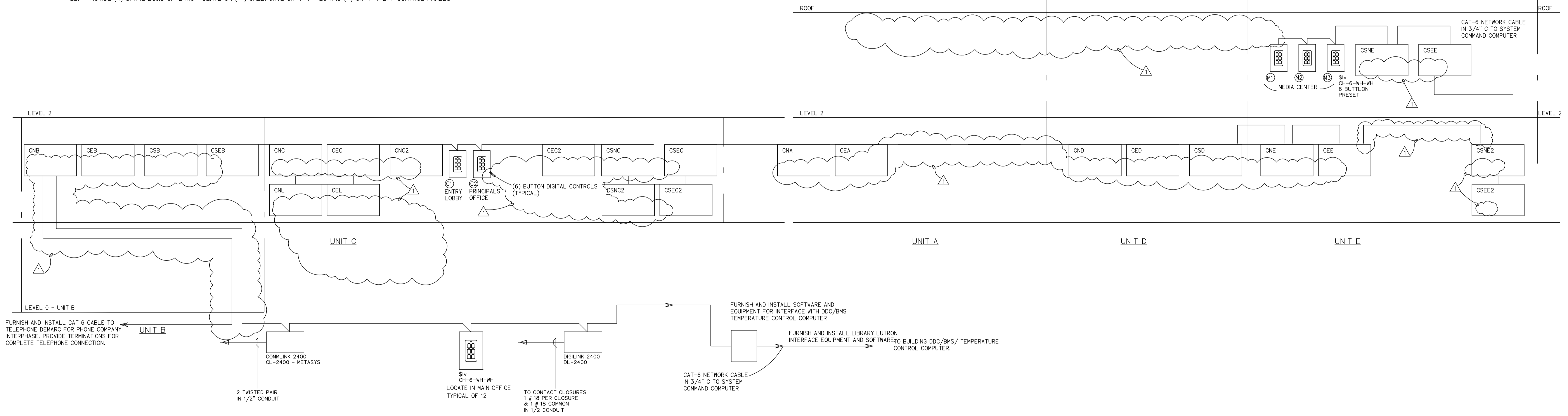
ADDITIONAL LIGHTING CONTROL SYSTEM NOTES:

1. LIGHTING CONTROL SYSTEM SHALL BE DIGITAL (COMMUNICATIONS BASED) AND CONSIST OF A MASTER LCP WITH UP TO 48 INDIVIDUAL RELAYS, SLAVE LCPs WITH UP TO 48 INDIVIDUAL RELAYS IN EACH PANEL, A MICRO LCP WITH UP TO 4 INDIVIDUAL RELAYS AND DIMMED OUTPUTS (0-10V), DIGITAL SWITCHES (RS-485) AND DIGITAL INTERFACE CARDS. ALL SYSTEM COMPONENTS SHALL CONNECT AND BE CONTROLLED VIA A SINGLE CATEGORY 6, 4 TWISTED PAIR STRANDED CABLE PROVIDING REAL-TIME TWO-WAY COMMUNICATION WITH EACH SYSTEM COMPONENT. ANALOG SYSTEMS (CONTACT CLOSURE BASED) SHALL NOT BE ACCEPTABLE.
2. RELAY PANELS SHALL BE PRE-WIRED, PRE-ASSEMBLED, PRE-PROGRAMMED AND ETL LISTED TO UL 916 (OR ETL LISTED TO UL 924 WHEN PART OF AN EMERGENCY SYSTEM). PANELS SHALL BE PROVIDED WITH A SWITCH SELECTABLE POWER SUPPLY (277/120/OFF) AND 16 GAGE BARRIERS TO SEPARATE 120V, 277V AND LOW VOLTAGE. NORMAL AND EMERGENCY POWER SHALL BE IN SEPARATE ENCLOSURES.
3. RELAYS SHALL HAVE NORMALLY CLOSED (NC) CONTACTS RATED FOR 120/277V 20A TUNGSTEN, BALLAST, OR HID. STANDARD RELAYS SHALL BE ZERO-CROSS TYPE, OPTIONAL 600V, 2-POLE RELAYS SHALL BE AVAILABLE.
4. ALL INCANDESCENT LIGHTING CIRCUITS SHALL BE CONTROLLED BY SOFTSTART NC RELAYS. NO EXCEPTIONS.
5. RELAY PANEL ELECTRONICS SHALL PROVIDE VISUAL STATUS AND MANUAL CONTROL OF EACH RELAY. ALL SYSTEM CONTROL ELECTRONICS SHALL STORE PROGRAMMING IN NON-VOLATILE MEMORY WITH 200 YEAR MEMORY RETENTION (AND A 10 YEAR "TIME OF DAY" MEMORY).
6. LIGHTING CONTROL SYSTEM SHALL CONSIST OF MASTER AND SLAVE PANEL(S) CONTROLLED BY A 32-CHANNEL DIGITAL TIME CLOCK (DTC) THAT CONTROLS AND PROGRAMS THE ENTIRE LIGHTING CONTROL SYSTEM. THE DTC SHALL SUPPLY ALL TIME FUNCTIONS AND ACCEPT INTERFACE INPUTS. THE DTC SHALL ACCEPT CONTROL LOCALLY USING BUILT IN BUTTON PROMPTS AND USE OF AN 8 LINE 21 CHARACTER DISPLAY, OR FROM A COMPUTER OR MODEM VIA AN ON-BOARD RS-232 PORT. ALL COMMANDS SHALL BE IN PLAIN ENGLISH. HELP PAGES SHALL DISPLAY ON THE DTC SCREEN.
7. ALL SWITCHES SHALL COMMUNICATE VIA RS-485. CONTACT CLOSURE STYLE SWITCHES ARE NOT ACCEPTABLE. ANY SWITCH BUTTON FUNCTION SHALL BE ABLE TO BE CHANGED LOCALLY (AT THE DTC OR A SERIALLY CONNECTED PC) OR REMOTELY, VIA DIAL-UP MODEM, ETHERNET, OR INTERNET. REFER TO SINGLE LINE DIAGRAM FOR WIRING DETAILS.
8. PHOTOCELL, EXTERIOR (PCO) OR INTERIOR (POI), SHALL PROVIDE READ-OUT ON THE DTC SCREEN IN NUMERIC VALUES ANALOGOUS TO FOOT-CANDLES. EACH PHOTOCELL CARD SHALL PROVIDE A MINIMUM OF 14 TRIGGER POINTS. EACH TRIGGER MAY BE PROGRAMMED LOCALLY OR REMOTELY TO CONTROL ANY RELAY(S) OR ZONE(S) IN ANY PANEL(S). PHOTOCELLS THAT REQUIRE THE USE OF SET SCREWS OR MANUAL ADJUSTMENTS AT THE PHOTOCELL OR CONTROL CARD SHALL NOT BE ACCEPTABLE.
9. LIGHTING CONTROL SYSTEM INTERFACES TO INCLUDE A DRY-CONTACT INPUT INTERFACE, BAS INTERFACE (RS 232 OR RS 485), DIMMING SYSTEM INTERFACE (RS 232), ETHERNET, AND FIBER OPTIC MODEM. VERIFY AND INSTALL ONLY THOSE INTERFACES INDICATED ON THE PLANS.
10. STANDARD LIGHTING CONTROL SYSTEM SOFTWARE, PRE-INSTALLED INTO THE DTC, SHALL CONSIST OF AND USE STANDARD INTERACTIVE GRAPHICAL PAGES. SOFTWARE SHALL PROVIDE VIA LOCAL OR REMOTE PC A VISUAL REPRESENTATION OF EACH DEVICE ON THE BUS, SHOW REAL TIME STATUS AND THE ABILITY TO CHANGE THE STATUS OF ANY INDIVIDUAL DEVICE, RELAY OR ZONE. OPTIONAL SOFTWARE THAT ACCEPTS JOB SPECIFIC GRAPHICS SHALL BE AVAILABLE. NO EXCEPTIONS.
11. START UP: EC SHALL CONTACT LIGHTING CONTROL MANUFACTURER AT LEAST 7 DAYS BEFORE TURNOVER OF PROJECT. LIGHTING CONTROL MANUFACTURER WILL REMOTELY DIAL INTO THE LIGHTING CONTROL SYSTEM, RUN DIAGNOSTICS AND CONFIRM SYSTEM PROGRAMMING. EC SHALL BE AVAILABLE AT THE TIME OF DIAL IN TO PERFORM ANY CORRECTIONS REQUIRED BY MANUFACTURER. EC IS RESPONSIBLE FOR COORDINATING WITH GC AND THE OWNER THE INSTALLATION OF A DEDICATED TELEPHONE LINE OR A SHARED PHONE LINE WITH AN A/B SWITCH. PHONE JACK TO BE MOUNTED WITHIN 12" OF MASTER LCP. LABEL JACK WITH PHONE NUMBER. EC TO CONNECT PHONE LINE FROM JACK TO MASTER LCP. NO EXCEPTIONS.
12. TELEPHONE FACTORY SUPPORT SHALL BE AVAILABLE AT NO ADDITIONAL COST TO THE EC OR OWNER BOTH DURING AND AFTER THE WARRANTY PERIOD. FACTORY TO PRE-PROGRAM THE LIGHTING CONTROL SYSTEM PER APPROVED SUBMITTAL. THE LIGHTING CONTROL MANUFACTURER, AT NO ADDED COST, SHALL PROVIDE ADDITIONAL PROGRAMMING VIA MODEM OR INTERNET AS REQUIRED BY THE EC OR OWNER FOR THE OPERATIONAL LIFE OF THE SYSTEM. MANUFACTURER WARRANTS THAT BOTH THE SYSTEM FIRMWARE AND SOFTWARE CAN BE UPGRADED AND MONITORED REMOTELY. UPON REQUEST MANUFACTURER TO PROVIDE REMOTE DIAL UP SOFTWARE AND ALL FUTURE FIRMWARE UPDATES TO SYSTEM OWNER. NO EXCEPTIONS.
13. SHOP DRAWINGS SUBMITTED BY THE CONTRACTOR FROM THE MANUFACTURER SHALL BE JOB SPECIFIC, INCLUDING PANEL, SWITCH AND TIME CLOCK SCHEDULES, SINGLE LINE DRAWINGS, AND SHALL BE AVAILABLE IN BOTH ELECTRONIC AND HARD COPY FORMAT. SUBMITTALS WHICH CONSIST OF TYPICAL SINGLE LINE DRAWINGS OR GENERAL PROGRAMMING INFORMATION SHALL NOT BE ACCEPTABLE.
14. LIGHTING CONTROL SYSTEM TO BE MANUFACTURED BY LIGHTING CONTROL & DESIGN, GREENGATE, OR LUTRON.
14. - FURNISH AND INSTALL "UNITY LIGHTING CONTROL SOFTWARE" OR GREENGATE GRAPHICAL TOUCH SOFTWARE (KEEPER ENTERPRISE WITH VISION TOUCH) WITH (3) 8 HOUR DAYS OF TRAINING TO THE OWNER.
15. - FURNISH AND INSTALL UNITY GRAPHICAL MANAGEMENT SOFTWARE AND INTERFACE.
16. - FURNISH AND INSTALL LEVITON OR GREENGATE OCCUPANCY SENSOR CONTROLS FOR HALLWAYS. PROVIDE REQUIRED LCD RELAYS FOR OVERRIDE OF OCCUPANCY CONTROLS.
17. - FURNISH AND INSTALL PHOTOCELL CARDS, OUTDOOR PHOTOCELLS, DIGITAL LINK INTERFACE CARD, LAN LINK INTERFACE CARD, TELE LINK, NETWORK EXPANDERS AS REQUIRED, AND FIBERLINK.
18. - FURNISH AND INSTALL REQUIRED COMPONENTS FOR A COMPLETE AND FUNCTIONING SYSTEM.
19. - PROVIDE SURGE AND LIGHTNING PROTECTION FOR GR2400 SERIES PANEL.
20. - THE CONTRACTOR SHALL FURNISH AND INSTALL CAT 6 CABLE TO THE TELEPHONE DEMARC AND PROVIDE TERMINATIONS TO AN ACTIVE PHONE LINE.
21. - PROVIDE (2) SPARE LC&D GR-2416-SLAVE OR (2) GREENGATE CK-T-16 CONTROL PANELS
22. - PROVIDE (4) SPARE LC&D GR-24R04-SLAVE OR (4) GREENGATE CK-T-4-120 AND (4) CK-T-4-277 CONTROL PANELS

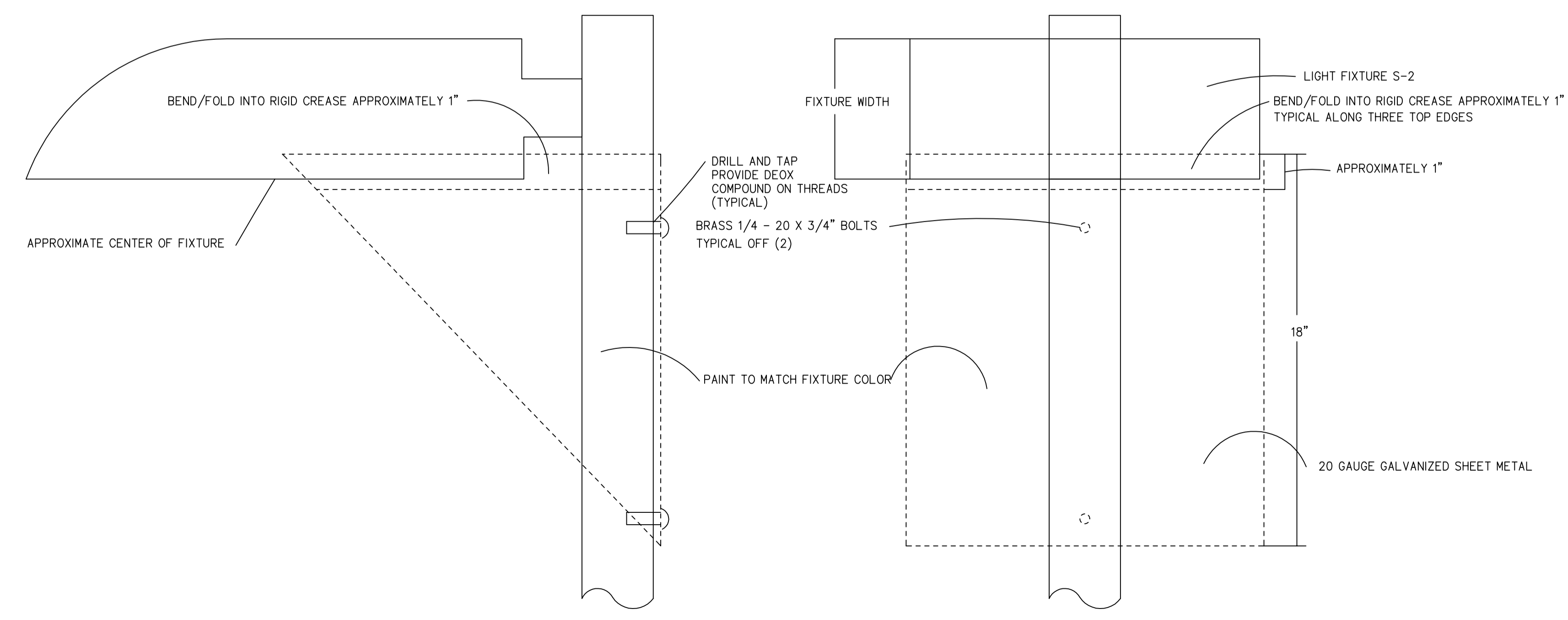
LIGHTING RELAY SCHEDULE

NAME	PANEL	LOCATION	VOLTS	ITEM(S) CIRCUITS	CONTROLLED DESCRIPTION	RELAY DESCRIPTION			MAKE AND LC&D MODEL #	REMARKS SEE NOTES	NAME
						TOTAL	CONTROL	AMP. NO/NC			
CNB	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CNB
CEB	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CEB
CSB	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	24	DIGITAL	20	NC	GR2432 ENC SM NE1 AND GR2432 INT 24NCL DTC DV	GR 2400 SYSTEM WITH DIGITAL CLOCK W/OUT MODEM	CSB
CSEB	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	24	DIGITAL	20	NC	GR2432 ENC SM NE1 AND GR2432 INT 24NCL DV	GR 2400 SYSTEM	CSEB
CNC	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CNC
CEC	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CEC
CNC2	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CNC2
CNL	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	24	DIGITAL	20	NC	GR2432 ENC SM NE1 AND GR2432 INT 24NCL DV	GR 2400 SYSTEM	CNL
CEL	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CEL
CEC2	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CEC2
CSNC	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	24	DIGITAL	20	NC	GR2432 ENC SM NE1 AND GR2432 INT 24NCL DV	GR 2400 SYSTEM	CSNC
CSNC2	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CSNC2
CSEC	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	16	DIGITAL	20	NC	GR1416 ENC SM NE1 AND GR1416 INT 16NCL DV	BLUE BOX LT SERIES	CSEC
CNA	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CNA
CEA	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CEA
CND	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CND
CED	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CED
CSD	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CSD
CNE	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CNE
CEE	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CEE
CSNE2	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CSNE2
CSEC2	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	4	DIGITAL	20	NC	GR1404 ENC SM NE1 AND GR1404 INT 4NCL DV	BLUE BOX LT SERIES	CSEC2
CSNE	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	24	DIGITAL	20	NC	GR2432 ENC SM NE1 AND GR2432 INT 24NCL DV	GR 2400 SYSTEM	CSNE
CSEE	SEE DWGS.	480Y/277	SEE DRAWINGS	LIGHTING	24	DIGITAL	20	NC	GR2432 ENC SM NE1 AND GR2432 INT 24NCL DV	GR 2400 SYSTEM	CSEE

POWER EMERGENCY LCD PANELS VIA CONSTANTLY HOT SIDE OF EMERGENCY LIGHTING CIRCUITS. PANEL NOMENCLATURE EXAMPLE: CONTROL SITE POWER BUILDING FLOOR. POWER: EMERGENCY OR NORMAL BUILDING: A, B, C, D, E FLOOR: BLANK OR 2. PROVIDE PANEL VOLTAGE AS REQUIRED.



1 LIGHTING CONTROL RISER DIAGRAM E-501



3 TYPICAL HOUSE SIDE SHIELDS E-501

REFER TO DRAWING E-001 FOR SYMBOLS, NOTES AND ABBREVIATIONS.

CMR BID DOCUMENTS

Consultant: Altieri/Sebor/Wieber LLC Consulting Engineers 31 Knight Street, New Britain, Connecticut 06051 Tel: 203-866-5338 Fax: 203-866-5343		Drawing Title: LIGHTING CONTROL DETAILS ELECTRICAL		Date: 06-18-2012	
Professional Seal & Signature: 		REVISIONS Mark Date Description 7-9-2012 ADDENDUM #1		Scale: 1"=1'-0"	
Project: ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD HAMDEN, CT 06514		Drawing No.: E-501		Project No.: BI-RT-837	

FILE:04518 REV:02/07/2007 17:15
 FILED:05/07/07 11:58 AM
 07/07/07 HMM

208 Y/120V		BUS: 225 AMP																	
65K AIC		3Ø-4W																	
FITNESS																			
LOAD SERVED		WIRE SIZE		LOAD IN KVA		WIRE SIZE		LOAD SERVED											
1	Computers	2#12-#12G	20	1	0.50	0.50	1	20	2#12-#12G	Plasma TV	2								
												ØA	ØB	ØC					
3	Exercise Equipment	2#12-#12G	20	1	0.60	0.60	1	20	2#12-#12G	Exercise Equipment	4								
5	Exercise Equipment	2#12-#12G	20	1	0.60	0.60	1	20	2#12-#12G	Exercise Equipment	6								
7	Exercise Equipment	2#12-#12G	20	1	0.60	0.60	1	20	2#12-#12G	Exercise Equipment	8								
9	Exercise Equipment	2#12-#12G	20	1	0.60	0.50	1	20	2#12-#12G	Computers	10								
11	Exercise Equipment	2#12-#12G	20	1	0.60	0.60	1	20	2#12-#12G	Exercise Equipment	12								
13	Exercise Equipment	2#12-#12G	20	1	0.60	0.60	1	20	2#12-#12G	Exercise Equipment	14								
15	Exercise Equipment	2#12-#12G	20	1	0.60	0.60	1	20	2#12-#12G	Exercise Equipment	16								
17	Exercise Equipment	2#12-#12G	20	1	0.60	0.60	1	20	2#12-#12G	Exercise Equipment	18								
19	Exercise Equipment	2#12-#12G	20	1	0.60	0.60	1	20	2#12-#12G	Exercise Equipment	20								
21	Exercise Equipment	2#12-#12G	20	1	0.60	0.60	1	20	2#12-#12G	Exercise Equipment	22								
23	Exercise Equipment	2#12-#12G	20	1	0.60	0.60	1	20	2#12-#12G	Exercise Equipment	24								
25	Exercise Equipment	2#12-#12G	20	1	0.60	0.60	1	20	2#12-#12G	Exercise Equipment	26								
27	Exercise Equipment	2#12-#12G	20	1	0.60	0.50	1	20	2#12-#12G	Plasma TV	28								
29	SPARE		20	1			1	20	2#12-#12G	Security Equipment	30								
31	SPARE		20	1	0.00	0.72	1	20	2#12-#12G	Bathroom	32								
33	SPARE		20	1	0.00	1.08	1	20	2#12-#12G	Bathroom	34								
35	ATCS	2#12-#12G	20	1			1	20	2#12-#12G	SPARE	36								
37	SPARE		20	1	0.00	0.00	1	20		SPARE	38								
39	SPARE		20	1	0.00	0.00	1	20		SPARE	40								
41	SPARE		20	1	0.00	0.00	1	20		SPARE	42								
LOAD PER PHASE					6.52	6.88	5.10												
TOTAL =					11.10 kVA			31 AMPS											
DIVERSIFIED LOAD					TOTAL =			A = AFI BREAKER											
NOTES:					FEED THROUGH LUGS			FLUSH			600KCM LUGS			ISOLATED GROUND BUS			G = GFI BREAKER		

480 Y/277V		BUS: 400 AMP																	
65K AIC		3Ø-4W																	
ELS																			
LOAD SERVED		WIRE SIZE		LOAD IN KVA		WIRE SIZE		LOAD SERVED											
1	INVERTER-B	SEE SINGLE LINE	70	3	2.33	17.00	1	225	SEE SINGLE LINE	PANEL ELK	2								
												ØA	ØB	ØC					
3	SPARE		20	3	0.00	6.40	1	125	SEE SINGLE LINE	PANEL ELE	4								
5	PANEL ELA	SEE SINGLE LINE	125	3	5.30	9.90	1	125	SEE SINGLE LINE	PANEL ELD	6								
7	PANEL ELA2	SEE SINGLE LINE	125	3	7.70	0.00	1	20	SEE SINGLE LINE	SPARE	8								
9	PANEL ELB	SEE SINGLE LINE	125	3	10.20	0.00	1	20	SEE SINGLE LINE	SPARE	10								
11	SPARE		175	3	0.00	0.00	1	3		SPACE	12								
13	SPARE		20	3	0.00	0.00	1	3		SPACE	14								
LOAD PER PHASE					58.83	52.63	38.53												
TOTAL =					150.00 kVA			180 AMPS											
DIVERSIFIED LOAD					TOTAL =			A = AFI BREAKER											
NOTES:					FEED THROUGH LUGS			FLUSH			600KCM LUGS			ISOLATED GROUND BUS			G = GFI BREAKER		

480 Y/277V		BUS: 100 AMP																	
65K AIC		3Ø-4W																	
INV-C																			
LOAD SERVED		WIRE SIZE		LOAD IN KVA		WIRE SIZE		LOAD SERVED											
1	CSEC2	2#10-G-3/4"C	20	1	1.00	1.00	1	20	2#10-G-3/4"C	CSEC2	2								
												ØA	ØB	ØC					
3	CSEC	2#10-G-3/4"C	20	1	1.00	0.00	1	20	2#10-G-3/4"C	SPARE	4								
5	GYMNASIUM	2#12-#6-3/4"C	20	1	0.00	0.00	1	20	2#12-#6-3/4"C	SPARE	6								
7	GYMNASIUM	2#12-#6-3/4"C	20	1	0.00	0.00	1	20	2#12-#6-3/4"C	SPARE	8								
9	GYMNASIUM	2#12-#6-3/4"C	20	1	0.00	0.00	1	20	2#12-#6-3/4"C	SPARE	10								
11	GYMNASIUM	2#12-#6-3/4"C	20	1	0.00	0.00	1	20	2#12-#6-3/4"C	SPARE	12								
13	SPARE		20	1	0.00	0.00	1	20		SPARE	14								
15	SPARE		20	1	0.00	0.00	1	20		SPARE	16								
17	SPARE		20	1	0.00	0.00	1	20		SPARE	18								
19	SPARE		20	1	0.00	0.00	1	20		SPARE	20								
21	SPARE		20	1	0.00	0.00	1	20		SPARE	22								
23	SPARE		20	1	0.00	0.00	1	20		SPARE	24								
25	SPARE		20	1	0.00	0.00	1	20		SPARE	26								
27	SPARE		20	1	0.00	0.00	1	20		SPARE	28								
29	SPARE		20	1	0.00	0.00	1	20		SPARE	30								
31	SPARE		20	1	0.00	0.00	1	20		SPARE	32								
33	SPARE		20	1	0.00	0.00	1	20		SPARE	34								
35	SPARE		20	1	0.00	0.00	1	20		SPARE	36								
37	SPARE		20	1	0.00	0.00	1	20		SPARE	38								
39	SPARE		20	1	0.00	0.00	1	20		SPARE	40								
41	SPARE		20	1	0.00	0.00	1	20		SPARE	42								
LOAD PER PHASE					2.00	1.00	0.00												
TOTAL =					3.00 kVA			4 AMPS											
DIVERSIFIED LOAD					TOTAL =			A = AFI BREAKER											
NOTES:					FEED THROUGH LUGS			FLUSH			600KCM LUGS			ISOLATED GROUND BUS			G = GFI BREAKER		

480 Y/277V		BUS: 100 AMP																	
65K AIC		3Ø-4W																	
INV-B																			
LOAD SERVED		WIRE SIZE		LOAD IN KVA		WIRE SIZE		LOAD SERVED											
1	PLUMBING	2#12-#12G-3/4"C	20 <th rowspan="2">1</th> <th rowspan="2">0.00</th> <th rowspan="2">3.00</th> <th rowspan="2">1</th> <th rowspan="2">20</th> <th rowspan="2">2#10-10G-3/4"C</th> <th rowspan="2">CSEB</th> <th rowspan="2">2</th>	1	0.00	3.00	1	20	2#10-10G-3/4"C	CSEB	2								
												ØA	ØB	ØC					
3	PLUMBING	2#12-#12G-3/4"C	20	1	0.00	2.00	1	3	2#10-10G-3/4"C	CSEB	4								
5	ELECTRICAL	2#12-#12G-3/4"C	20	1	0.00	0.00	1	20	2#10-10G-3/4"C	CSEB	6								
7	ELECTRICAL	2#12-#12G-3/4"C	20	1	0.00	0.00	1	20	2#10-10G-3/4"C	CSEB	8								
9	GRAPHICS	2#12-#12G-3/4"C	20	1	0.00	0.00	1	20	2#10-10G-3/4"C	CSEB	10								
11	GRAPHICS	2#12-#12G-3/4"C	20	1	0.00	0.00	1	20	2#10-10G-3/4"C	CSEB	12								
13	MANUFACTURING	2#12-#12G-3/4"C	20	1	0.00	0.00	1	20	2#10-10G-3/4"C	CSEB	14								
15	MANUFACTURING	2#12-#12G-3/4"C	20	1	0.00	0.00	1	20	2#10-10G-3/4"C	SPARE	16								
17	CARPENTRY	2#12-#12G-3/4"C	20	1	0.00	0.00	1	20	2#10-10G-3/4"C	SPARE	18								
19	CARPENTRY	2#12-#12G-3/4"C	20	1	0.00	0.00	1	20	2#10-10G-3/4"C	SPARE	20								
21	SPARE		20	1	0.00	0.00	1	20		SPARE	22								
23	SPARE		20	1	0.00	0.00	1	20		SPARE	24								
25	SPARE		20	1	0.00	0.00	1	20		SPARE	26								
27	SPARE		20	1	0.00	0.00	1	20		SPARE	28								
29	SPARE		20	1	0.00	0.00	1	20		SPARE	30								
31	SPARE		20	1	0.00	0.00	1	20		SPARE	32								
33	SPARE		20	1	0.00	0.00	1	20		SPARE	34								
35	SPARE		20	1	0.00	0.00	1	20		SPARE	36								
37	SPARE		20	1	0.00	0.00	1	20		SPARE	38								
39	SPARE		20	1	0.00	0.00	1	20		SPARE	40								
41	SPARE		20	1	0.00	0.00	1	20		SPARE	42								
LOAD PER PHASE					3.00	2.00	2.00												
TOTAL =					7.00 kVA			8 AMPS											
DIVERSIFIED LOAD					TOTAL =			A = AFI BREAKER											
NOTES:					FEED THROUGH LUGS			FLUSH			600KCM LUGS			ISOLATED GROUND BUS			G = GFI BREAKER		

480 Y/277V		BUS: 225 AMP																	
65K AIC		3Ø-4W																	
ELK																			
LOAD SERVED		WIRE SIZE		LOAD IN KVA		WIRE SIZE		LOAD SERVED											
1	INVERTER C	SEE SINGLE LINE	100	3	2.00	0.00	1	20	SEE SINGLE LINE	SPARE	2								
												ØA	ØB	ØC					
3	SPARE		20	1	0.00	0.00	1	20		SPARE	4								
5	SPARE		20	1	0.00	0.00	1	20		SPARE	6								
7	SPARE		20	1	0.00	0.00	1	20		SPARE	8								
9	SPARE		20	1	0.00	0.00	1	20		SPARE	10								
11	SPARE		20	1	0.00	0.00	1	20		SPARE	12								
13	SPARE		20	1	0.00	0.00	1	20		SPARE	14								
15	SPARE		20	1	0.00	0.00	1	20		SPARE	16								
17	SPARE		20	1	0.00	0.00	1	20		SPARE	18								
19	SPARE		20	1	0.00	0.00	1	20		SPARE	20								
21	SPARE		20	1	0.00	0.00	1	20		SPARE	22								
23	SPARE		20	1	0.00	0.00	1	20		SPARE	24								
25	SPARE		20	1	0.00	0.00	1	20		SPARE	26								
27	SPARE		20	1	0.00	0.00	1	20		SPARE	28								
29	SPARE		20	1	0.00	0.00	1	20		SPARE	30								
31	SPARE		20	1	0.00	0.00	1	20		SPARE	32								
33	SPARE		20	1	0.00	0.00	1	20		SPARE	34								
35	SPARE		20	1	0.00	0.00	1	20		SPARE	36								
37	SPARE		20	1	0.00	0.00	1	20		SPARE	38								
39	EDP-1	SEE SINGLE LINE	125	3	2.90	12.10	1	125	SEE SINGLE LINE	PANEL ELC	40								
41	SPARE		20	1	0.00	0.00	1	20		SPARE	42								
LOAD PER PHASE					17.00	16.80	12.80												
TOTAL =					46.60 kVA			56 AMPS											
DIVERSIFIED LOAD					TOTAL =			A = AFI BREAKER											
NOTES:					FEED THROUGH LUGS			FLUSH			600KCM LUGS			ISOLATED GROUND BUS			G = GFI BREAKER		

480 Y/277V		BUS: 225 AMP									
65K AIC		3Ø-4W									
ELC											
LOAD SERVED		WIRE SIZE		LOAD IN KVA		WIRE SIZE		LOAD SERVED			
1	EMER. LGHT. C4-MAIN	2#12-#12G	20 <th rowspan="2">1</th> <th rowspan="2">0.60</th> <th rowspan="2">1.50</th> <th rowspan="2">1</th> <th rowspan="2">20 <th rowspan="2">2#12-#12G</th> <th rowspan="2">EMER. LGHT. C4-MAIN</th> <th rowspan="2">2</th> </th>	1	0.60	1.50	1	20 <th rowspan="2">2#12-#12G</th> <th rowspan="2">EMER. LGHT. C4-MAIN</th> <th rowspan="2">2</th>	2#12-#12G	EMER. LGHT. C4-MAIN	2
3	EMER. LGHT. C4-MAIN	2#12-#12G	20	1	1.20	0.00	1	20	2#12-#12G	SPARE	4
5	EMER. LGHT. C4-MAIN	2#12-#12G	20	1	1.00	1.00	1	20	2#12-#12G	EMER. LGHT. C4-MAIN	6
7	EMER. LGHT. C4-MAIN	2#12-#12G	20	1	0.60	2.00	1	20	2#12-#12G	EMER. LGHT. C1-MAIN	8
9	EMER. LGHT. C1-MAIN	2#12-#12G	20	1	1.20	2.00	1	20	2#12-#12G	EMER. LGHT. C1-MAIN	10
11	EMER. LGHT. C1-MAIN	2#12-#12G	20	1	1.50	2.00	1	20	2#12-#12G	EMER. LGHT. C1-MAIN	12
13	EM. LGHT. C2+C3-MAIN	2#12-#12G	20	1	2.00	1.30	1	20	2#12-#12G	EM. LGHT. C2+C3-MAIN	14
15	EM. LGHT. C2+C3-MAIN	2#12-#									

208 /120V			BUS: 200 AMP											
65K AIC			1Ø-3W			A						MAIN: 200 AMP CB		
LOAD SERVED	WIRE SIZE	TRIP	POLE	LOAD IN KVA						WIRE SIZE	LOAD SERVED			
				ØA	ØB	ØC	ØD	ØE	ØF					
1	SPARE		60	2	0.00	0.00	0.00	0.00	0.00	0.00	2	60	SPARE	2
3											4			4
5	SPARE		30	2	0.00	0.00	0.00	0.00	0.00	0.00	1	20	SPARE	6
7											8			8
9	SPARE		20	1	0.00	0.00	0.00	0.00	0.00	0.00	1	20	SPARE	10
11											12			12
13	SPARE		15	1	0.00	0.00	0.00	0.00	0.00	0.00	1	15	SPARE	14
15											16			16
17	SPARE		15	1	0.00	0.00	0.00	0.00	0.00	0.00	1	15	SPARE	18
19											20			20
21											22			22
23											24			24
25											26			26
27											28			28
29											30			30
31											32			32
33											34			34
35											36			36
37											38			38
39											40			40
41											42			42

LOAD PER PHASE TOTAL = 0.00 kVA 0 AMPS A = AFI BREAKER

NOTES: FEED THROUGH LUGS FLUSH 600KCM LUGS ISOLATED GROUND BUS G = GFI BREAKER
1. SAME FOR PANEL 'A1'
2.

208 /120V			BUS: 200 AMP											
65K AIC			1Ø-3W			B						MAIN: 200 AMP CB		
LOAD SERVED	WIRE SIZE	TRIP	POLE	LOAD IN KVA						WIRE SIZE	LOAD SERVED			
				ØA	ØB	ØC	ØD	ØE	ØF					
1	SPARE		60	2	0.00	0.00	0.00	0.00	0.00	0.00	2	60	SPARE	2
3											4			4
5	SPARE		30	2	0.00	0.00	0.00	0.00	0.00	0.00	1	20	SPARE	6
7											8			8
9	SPARE		20	1	0.00	0.00	0.00	0.00	0.00	0.00	1	20	SPARE	10
11											12			12
13	SPARE		15	1	0.00	0.00	0.00	0.00	0.00	0.00	1	15	SPARE	14
15											16			16
17	SPARE		15	1	0.00	0.00	0.00	0.00	0.00	0.00	1	15	SPARE	18
19											20			20
21											22			22
23											24			24
25											26			26
27											28			28
29											30			30
31											32			32
33											34			34
35											36			36
37											38			38
39											40			40
41											42			42

LOAD PER PHASE TOTAL = 0.00 kVA 0 AMPS A = AFI BREAKER

NOTES: FEED THROUGH LUGS FLUSH 600KCM LUGS ISOLATED GROUND BUS G = GFI BREAKER
1. SAME FOR PANEL 'B1'
2.

208 /120V			BUS: 200 AMP											
65K AIC			1Ø-3W			C						MAIN: MAIN LUGS ONLY		
LOAD SERVED	WIRE SIZE	TRIP	POLE	LOAD IN KVA						WIRE SIZE	LOAD SERVED			
				ØA	ØB	ØC	ØD	ØE	ØF					
1	SPARE		60	2	0.00	0.00	0.00	0.00	0.00	0.00	2	60	SPARE	2
3											4			4
5	SPARE		30	2	0.00	0.00	0.00	0.00	0.00	0.00	1	20	SPARE	6
7											8			8
9	SPARE		20	1	0.00	0.00	0.00	0.00	0.00	0.00	1	20	SPARE	10
11											12			12
13	SPARE		15	1	0.00	0.00	0.00	0.00	0.00	0.00	1	15	SPARE	14
15											16			16
17	SPARE		15	1	0.00	0.00	0.00	0.00	0.00	0.00	1	15	SPARE	18
19											20			20
21											22			22
23											24			24
25											26			26
27											28			28
29											30			30
31											32			32
33											34			34
35											36			36
37											38			38
39											40			40
41											42			42

LOAD PER PHASE TOTAL = 0.00 kVA 0 AMPS A = AFI BREAKER

NOTES: FEED THROUGH LUGS FLUSH 600KCM LUGS ISOLATED GROUND BUS G = GFI BREAKER
1. SAME FOR PANEL 'C1'
2.

208 /120V			BUS: 100 AMP											
65K AIC			1Ø-3W			D						MAIN: 100 AMP CB		
LOAD SERVED	WIRE SIZE	TRIP	POLE	LOAD IN KVA						WIRE SIZE	LOAD SERVED			
				ØA	ØB	ØC	ØD	ØE	ØF					
1	SPARE		60	2	0.00	0.00	0.00	0.00	0.00	0.00	2	60	SPARE	2
3											4			4
5	SPARE		30	2	0.00	0.00	0.00	0.00	0.00	0.00	1	20	SPARE	6
7											8			8
9	SPARE		20	1	0.00	0.00	0.00	0.00	0.00	0.00	1	20	SPARE	10
11											12			12
13	SPARE		15	1	0.00	0.00	0.00	0.00	0.00	0.00	1	15	SPARE	14
15											16			16
17	SPARE		15	1	0.00	0.00	0.00	0.00	0.00	0.00	1	15	SPARE	18
19											20			20
21											22			22
23											24			24
25											26			26
27											28			28
29											30			30
31											32			32
33											34			34
35											36			36
37											38			38
39											40			40
41											42			42

LOAD PER PHASE TOTAL = 0.00 kVA 0 AMPS A = AFI BREAKER

NOTES: FEED THROUGH LUGS FLUSH 600KCM LUGS ISOLATED GROUND BUS G = GFI BREAKER
1. SAME FOR PANEL 'D1'
2.

208 /120V			BUS: 100 AMP											
65K AIC			1Ø-3W			E						MAIN: 100 AMP CB		
LOAD SERVED	WIRE SIZE	TRIP	POLE	LOAD IN KVA						WIRE SIZE	LOAD SERVED			
				ØA	ØB	ØC	ØD	ØE	ØF					
1	SPARE		60	2	0.00	0.00	0.00	0.00	0.00	0.00	2	60	SPARE	2
3											4			4
5	SPARE		30	2	0.00	0.00	0.00	0.00	0.00	0.00	1	20	SPARE	6
7											8			8
9	SPARE		20	1	0.00	0.00	0.00	0.00	0.00	0.00	1	20	SPARE	10
11											12			12
13	SPARE		15	1	0.00	0.00	0.00	0.00	0.00	0.00	1	15	SPARE	14
15											16			16
17	SPARE		15	1	0.00	0.00	0.00	0.00	0.00	0.00	1	15	SPARE	18
19											20			20
21											22			22
23											24			24
25											26			26
27											28			28
29											30			30
31											32			32
33											34			34
35											36			36
37											38			38
39											40			40
41											42			42

LOAD PER PHASE TOTAL = 0.00 kVA 0 AMPS A = AFI BREAKER

NOTES: FEED THROUGH LUGS FLUSH 600KCM LUGS ISOLATED GROUND BUS G = GFI BREAKER
1. SAME FOR PANEL 'E1'
2.

208 /120V			BUS: 100 AMP											
65K AIC			1Ø-3W			F						MAIN: MAIN LUGS ONLY		
LOAD SERVED	WIRE SIZE	TRIP	POLE	LOAD IN KVA						WIRE SIZE	LOAD SERVED			
				ØA	ØB	ØC	ØD	ØE	ØF					
1	SPARE		60	2	0.00	0.00	0.00	0.00	0.00	0.00	2	60	SPARE	2
3											4			4
5	SPARE		30	2	0.00	0.00	0.00	0.00	0.00	0.00	1	20	SPARE	6
7											8			8
9	SPARE		20	1	0.00	0.00	0.00	0.00	0.00	0.00	1	20	SPARE	10
11											12			12
13	SPARE		15	1	0.00	0.00	0.00	0.00	0.00	0.00	1	15	SPARE	14
15											16			16
17	SPARE		15	1	0.00	0.00	0.00	0.00	0.00	0.00	1	15	SPARE	18
19											20			20
21											22			22
23											24			24
25											26			26
27											28			28
29														