



EXHIBIT D-2E

DRAWINGS E4122 – E7044

**RFP No. 901516 – East County Hall
of Justice BDA & DAS**



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NUMBERED SHEET NOTES

- 18W6H CABLE TRAY AT MINIMUM 6" ABOVE CEILING. TYPICAL OF ALL CABLE TRAY IN AREA A.
- 1.25" CONDUIT TO ACCESSIBLE CEILING WITH A 4 1/16" BOX AND SINGLE GANG RING. PROVIDE A 1.25" CONDUIT WITH INTO FURNITURE. CONDUIT TPL SHALL NOT EXCEED 40% (8 CABLES).
- TERMINATE DATA CABLES IN A SURFACE MOUNT TWO PORT BOX ABOVE CEILING. LEAVE 10" OF CABLE SLACK COILED ABOVE CEILING AND SUPPORTED WITH A J-HOOK. TYPICAL OF ALL WAP CABLES.
- 1.25" CONDUIT TO ACCESSIBLE CEILING FROM FLOOR BOX. CONDUIT TPL SHALL NOT EXCEED 40% (8 CABLES).
- ROUTE DATA CABLES THROUGH SYSTEM FURNITURE AND TERMINATE CABLES IN A FURNITURE PLATE.
- TERMINATE ALL CATEGORY 6A DATA CABLES IN THE AREA "B" IDF ROOM. IN CATEGORY 6A PATCH PANELS. LEAVE 50% OF THE EQUIPMENT RACKS OPEN FOR OWNER DATA EQUIPMENT. REFER TO SHEET E220K.

RFI 50223
Wireless Access Points - RFI 50223 shows which WAP's shown in the Courts Building are in the same system as the County Building.

RFI 50224
Wireless Access Points - For confirmation on this location, courts, and coverage depends on the WAP see RFI 50224.

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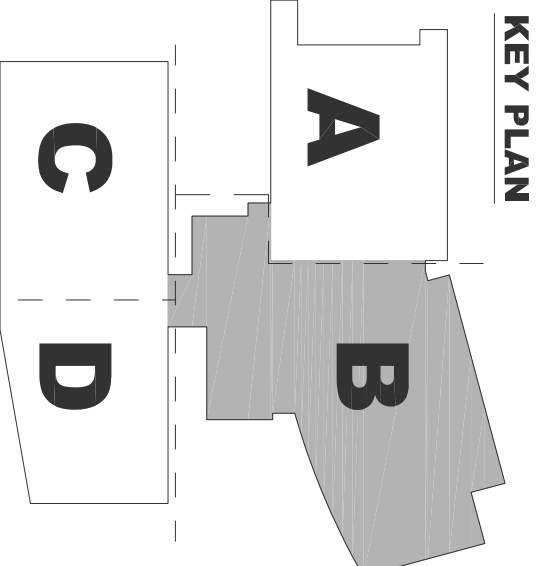
EAST COUNTY HALL OF JUSTICE

Courts Building - 5151 Gleason Dr.
County Building - 5149 Gleason Dr.
Dublin, CA 94568

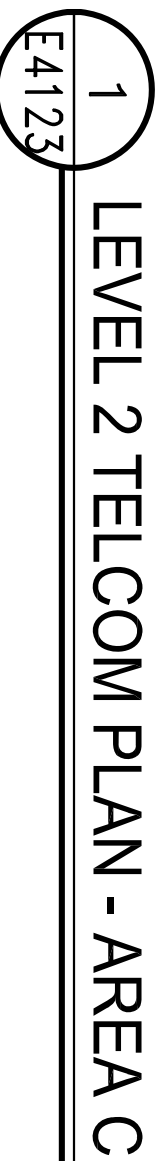
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1	DP-3	10/22/2014
2	50% CD	12/02/2014
5	DP-4	02/10/2015
6	DP-4-RESP 1	05/27/2015

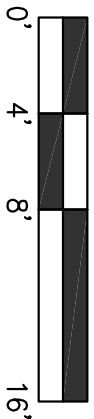
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DRAWING TITLE
LEVEL 2 TELCOM PLAN - AREA B
PROJECT # 2010014-001
SHEET NUMBER
E4122



SCALE: 1/8" = 1'-0"



- 1 18" WIDE CABLE TRAY AT MINIMUM 6" ABOVE CEILING, TYPICAL OF ALL CABLE TRAY IN AREA A.
- 2 12" CONDUIT TO ACCESSIBLE CEILING WITH A 1 1/2" BOX AND SINGLE GAGE RING PROVIDE 1/2" CONDUIT W/HP INTO FURNITURE. CONDUIT FLAT SHALL NOT EXCEED 40" G.B.E.I.S.
- 3 TERMINATE DATA CABLES IN A SURFACE, CONDUIT TWO PORT BOX ABOVE CEILING, LEAVE 1' OF CABLE SLACK COILED ABOVE CEILING AND SUPPORTED WITH A J-HOOK, TYPICAL OF ALL WAP OUTLETS.
- 4 NOT USED
- 5 ROUTE DATA CABLES THROUGH SYSTEM FURNITURE, TERMINATE CABLES IN A FURNITURE PLATE.
- 6 TERMINATE ALL CATEGORY 6 DATA CABLES IN THE AREA 17' OFF FLOOR. IN CATEGORY 6 TYPICAL PANELS, LEAVE 50% OF THE EQUIPMENT RACKS OPEN FOR OWNER DATA EQUIPMENT. FREESTYLE E2037.

Wireless Access Points - For confirmation on the location, counts, and coverage depicted of the WAP see RFI 5022.4

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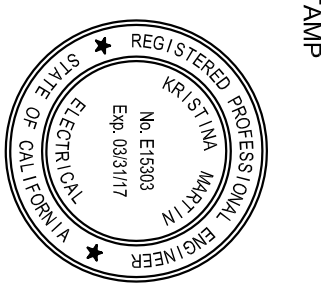
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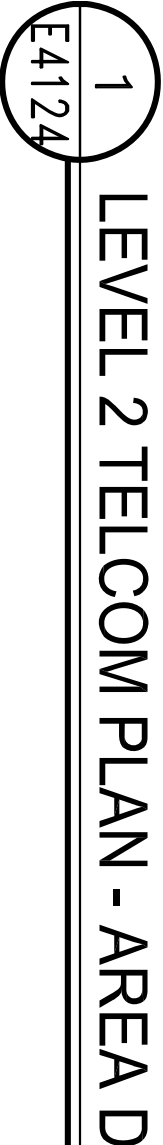


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1	DP-3	10/22/2014
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5	DP-4	02/10/2015
6	DP-4 RESP 1	05/21/2015



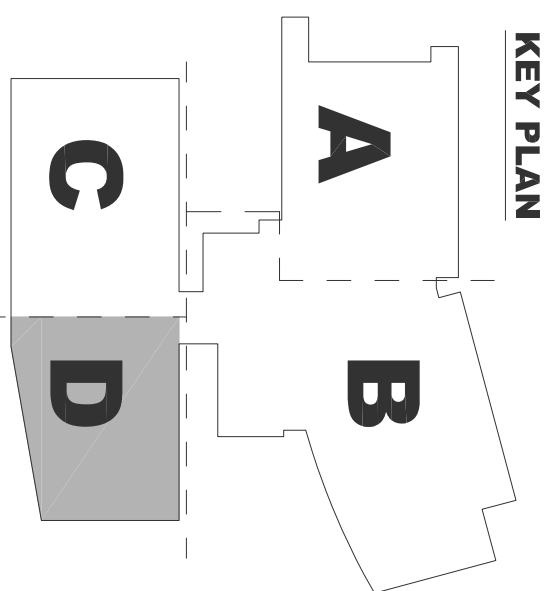
DRAWING TITLE
LEVEL 2 TELCOM PLAN -
AREA C
PROJECT #20130014.001
OSFM: 01-01-1-0005
SHEET NUMBER
E4123



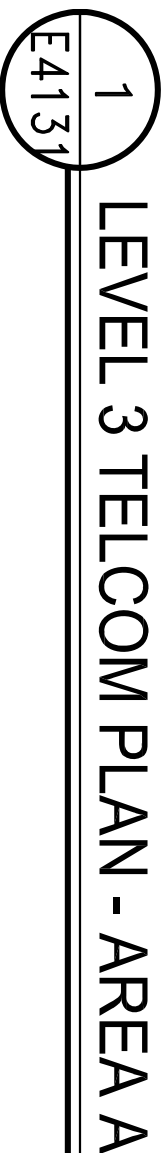
SCALE: 1/8" = 1'-0"

Wireless Access Points - For confirmation on the location, counts, and coverage depicted of the WAP see RFI 5022.4

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[illegible]

E4124



SCALE: 1/8" = 1'-0"

- Wireless Access Points** - For confirmation on the location, counts, and coverage depicted of the WAP see RFI 5022.4


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1	DP-3	10/22/2014
2	50% CD	12/02/2014
5	DP-4	02/10/2015
6	DP-4 RESP 1	05/21/2015

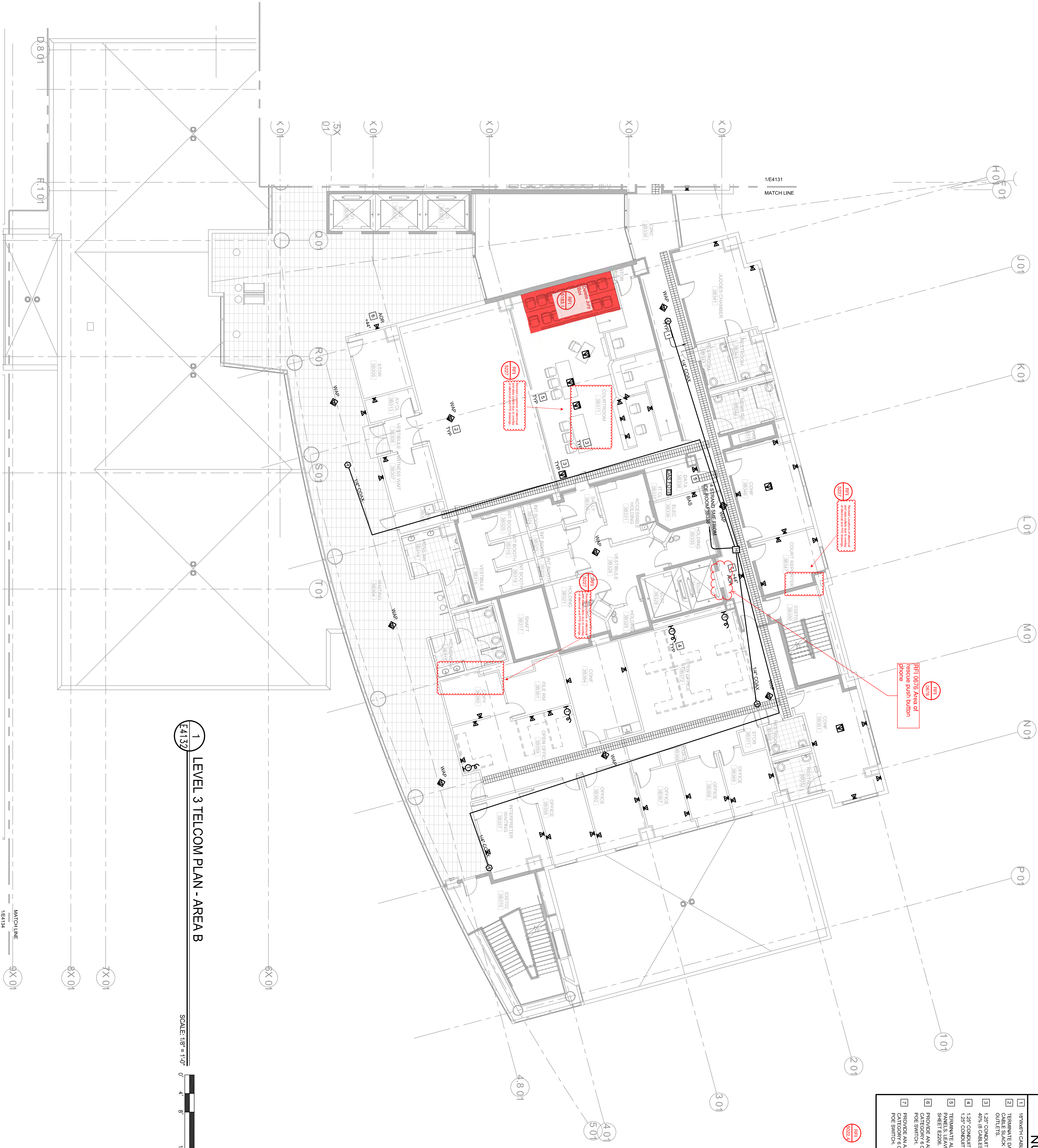
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DRAWING TITLE
LEVEL 3 TELCOM PLAN - AREA A
PROJECT #:20130014.001
OSFM: 01-01-11-0005
SHEET NUMBER

E4131

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1 LEVEL 3 TELCOM PLAN - AREA B
E4132

SCALE: 1/8" = 1'-0"
0 4 8 16

NUMBERED SHEET NOTES

- 18' WASH CABLE TRAY AT MINIMUM 6" ABOVE CEILING. TYPICAL OF ALL CABLE TRAY IN AREA A.
- TERMINATE DATA CABLES IN A SURFACE MOUNT TWO PORT BOX ABOVE CEILING. LEAVE 10' OF CABLE SLACK COILED ABOVE CEILING AND SUPPORTED WITH A HOOK. TYPICAL OF ALL WAP OUTLETS.
- 1.25" CONDUIT TO ACCESSIBLE CEILING FROM FLOOR BOX. CONDUIT TIL SHALL NOT EXCEED 40% (8 CABLES). REFER TO AV DRAWINGS FOR CONDUIT REQUIREMENTS.
- 1.25" CONDUIT TO ACCESSIBLE CEILING WITH A 1 1/4" BOX AND SINGLE GANG RING. PROVIDE A 1.25" CONDUIT WAP INTO FURNITURE. CONDUIT TIL SHALL NOT EXCEED 40% (8 CABLES).
- TERMINATE ALL CATEGORY 6A DATA CABLES IN THE AREA 7' OF ROOM. IN CATEGORY 6A PATCH PANELS. LEAVE 60% OF THE EQUIPMENT BACKS OPEN FOR OWNER DATA EQUIPMENT. REFER TO SHEET E206.
- PROVIDE AN AREA OF REFUGE IP PUSH TO CALL PANEL IN ELEVATOR LOBBY. PROVIDE A POE SWITCH.
- PROVIDE AN AREA OF REFUGE IP PUSH TO CALL PANEL IN ELEVATOR VESTIBULE. PROVIDE A POE SWITCH.
- CATEGORY 6 COMMUNICATION CABLE TO AREA B IDF ROOM. DEVICE SHALL BE POWERED WITH POE SWITCH.

HI 0022-3
Wireless Access Points - For confirmation on the location, counts, and coverage depicted on the WAP see HI 5022.4

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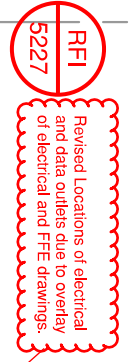
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DRAWING TITLE
LEVEL 3 TELCOM PLAN - AREA B
PROJECT # 20100014.001
SHEET NUMBER
E4132



1. IRREMOVABLE LITE TRAY AT MINIMUM 6" ABOVE CEILING. TYPICAL OF ALL CABLE TRAY IN AREA A.
2. IRREMOVABLE TALL CABLES IN A SURFACE MOUNTED TWO POINT BOX ABOVE CEILING. LEAVE 10" OF CABLE SLACK COILED ABOVE CEILING AND SUPPORTED WITH A HOOK. TYPICAL OF ALL WAP (WIRELESS ACCESS POINT) CABLES.
3. PROVIDE 10" TO ACCESSIBLE CABLES FROM THE FLOOR. CABLE TIE SHALL NOT EXCEED 1/2" IN DIAMETER. PROVIDE 10" TO OPENINGS FOR CONDUIT REQUIREMENTS.
4. POWER AND COMMUNICATION CABLE TO AREA B DIFF. ROOM. DEVICE SHALL BE POWERED WITH THE SAME SWITCH.
5. TERMINATE ALL CATEGORY 6 DATA CABLES IN THE WAP, 1 DIFF. ROOM. IN CATEGORY 6 PATCH PANEL. PROVIDE 10" TO ACCESSIBLE CABLES FROM THE FLOOR. CABLE TIE SHALL NOT EXCEED 1/2" IN DIAMETER. PROVIDE 10" TO OPENINGS FOR CONDUIT REQUIREMENTS. IDENTIFY CABLES WITH TAGS.

RFI
5022.4

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1	DP-3	10/22/2011
2	50% CD	12/02/2011
5	DP-4	02/10/2011
6	DP-4 RESP 1	05/21/2011



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DRAWING TITLE	LEVEL 4 TELCOM PLAN
AREA A	
PROJECT #:	20130014.00
OSFM:	01-01-11-0005
SHEET NUMBER	

E4141



- 1 TERMINATE CABLE TRAY IN A MINIMUM OF 90° ABOVE CEILING. IF CABLE TRAY IN AREA 'A'.
- 2 TERMINATE CABLE TRAYS IN A SURFACE MOUNTED TYPICAL OF RACK ABOVE CEILING. LEAVE TO OR CABLE SLACK COILED ABOVE CEILING AND SUPPORTED WITH A HOOK. TYPICAL OF ALL WAP OUTLETS.
- 3 12" CONDUIT TO ACCESSIBLE CEILING FROM FLOOR RACK CONDUIT. ALL SHALL NOT EXCEED 48" (CABLES) REFER TO ALL RACKINGS FOR CONDUIT REQUIREMENTS.
- 4 PROVIDE A MOUNTING OF REFERENCE POINT TO CALL PANEL. IN ELEVATOR VESTIBULE, PROVIDE A CATEGORY 6 COMMUNICATION CABLE TO AREA 'B' RACK. DEVICE SHALL BE POWERED WITH POE SWITCH.
- 5 TERMINATE ALL CATEGORY 6 DATA CABLES IN THE AREA 'X' OF ROOM. IN CATEGORY 6A PATCH PANELS, LEAVE 500MM OF THE EQUIPMENT BACKS OPEN FOR OTHER DATA EQUIPMENT. REFER TO SHEET 0006.
- 6 PROVIDE A MOUNTING OF REFERENCE POINT TO CALL PANEL. IN ELEVATOR LOBBY, PROVIDE CATEGORY 6 COMMUNICATION CABLE TO AREA 'B' RACK. DEVICE SHALL BE POWERED BY POE SWITCH.

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1	DP-3	10/22/2014
2	50% CD	12/02/2014
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6	DP-4 RESP 1	05/21/2015

A diagram showing a four-quadrant model. The quadrants are labeled A (top-left), B (top-right), C (bottom-left), and D (bottom-right). The quadrants are separated by dashed lines. The quadrants are labeled A, B, C, and D.

Plur

E4142

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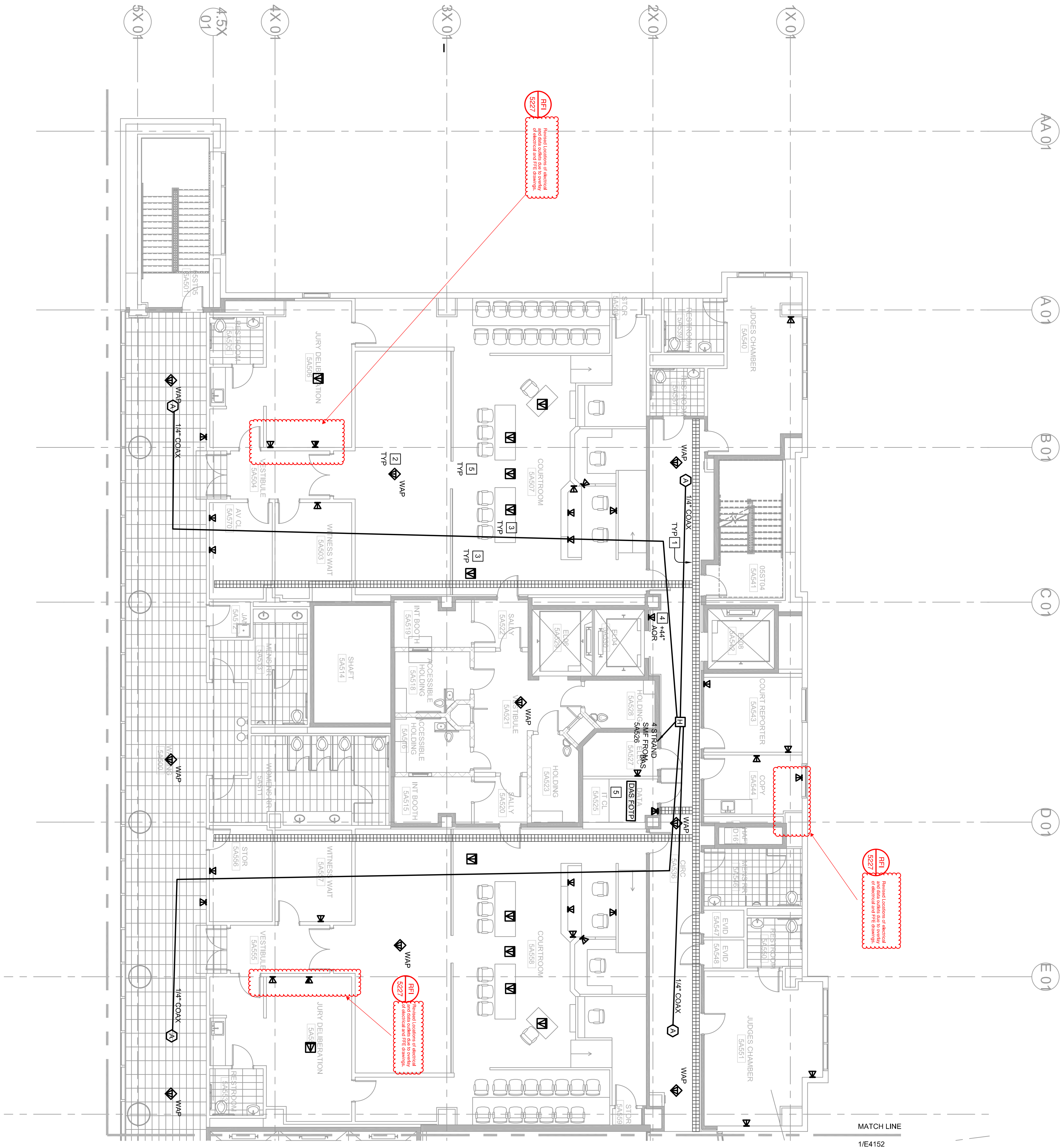


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1 LEVEL 5 TELCOM PLAN - AREA A
E4151

SCALE: 1/8" = 1'-0"
0 4 8 16

NUMBERED SHEET NOTES

1. 18" W/4" CABLE TRAY AT MINIMUM 6" ABOVE CEILING. TYPICAL OF ALL CABLE TRAY IN AREA A.
2. TERMINATE DATA CABLES IN A SURFACE MOUNT TWO PORT BOX ABOVE CEILING. LEAVE 17" OF CABLE SLACK COILED ABOVE CEILING AND SUPPORTED WITH A HOOK. TYPICAL OF ALL WAP CABLES.
3. 1.25" CONDUIT TO ACCESSIBLE CEILING FROM FLOOR BOX. CONDUIT TALL SHALL NOT EXCEED 40" (8 CABLES). REFER TO AV DRAWINGS FOR CONDUIT REQUIREMENTS.
4. PROVIDE AN AREA OF REFUGE IF PUSH TO CALL PANEL IN ELEVATOR VESTIBULE. PROVIDE A ONE SWING DOOR.
5. TERMINATE ALL CATEGORY 6A DATA CABLES IN THE AREA X JUDGE ROOM IN CATEGORY 6A PATCH PANEL. PROVIDE 50% OF THE EQUIPMENT ROOMS OPEN FOR OWNER DATA EQUIPMENT. REFER TO SHEET E206.

WAP
E4151
Wireless Access Points - For confirmation on the location counts.
Find coverage depicted on this WAP see N71 5022.4

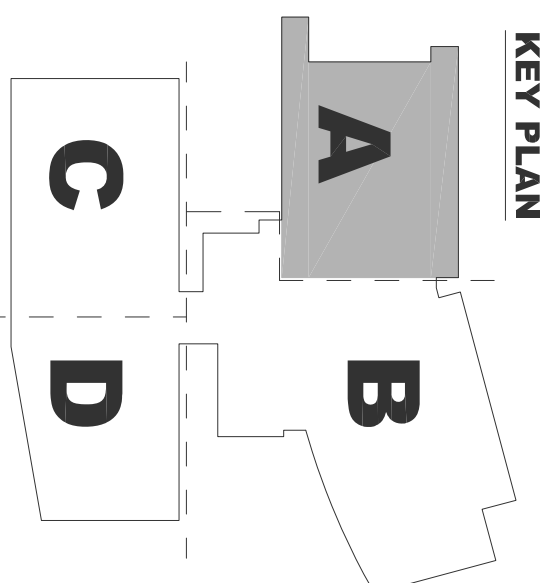
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1	DP-3	10/22/2014
2	50% CD	12/02/2014
5	DP-4	02/10/2015
6	DP-4 RESP 1	02/27/2015



DRAWING TITLE
LEVEL 5 TELCOM PLAN - AREA A
PROJECT # 20100014-001
SHEET NUMBER
E4151

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1 LEVEL 5 TELCOM PLAN - AREA B
E4152

SCALE: 1/8" = 1'-0"
0 4 8 16'

NUMBERED SHEET NOTES

1. TERMINATE DATA CABLES IN A SURFACE MOUNT TWO PORT BOX ABOVE CEILING. LEAVE IN OF OUTLETS.
2. TERMINATE DATA CABLES IN A SURFACE MOUNT TWO PORT BOX ABOVE CEILING. LEAVE IN OF OUTLETS.
3. 1.25' CONDUIT TO ACCESSIBLE CEILING FROM FLOOR BOX. CONDUIT FILL SHALL NOT EXCEED 40% (8 CABLES). REFER TO AV DRAWINGS FOR CONDUIT REQUIREMENTS.
4. PROVIDE AN AREA OF REFUGE P. PUSH TO CALL PANEL IN ELEVATOR VESTIBULE. PROVIDE A CATEGORY 6 COMMUNICATION CABLE TO AREA B DFR ROOM. DEVICE SHALL BE POWERED WITH POE SWITCH.
5. TERMINATE ALL CATEGORY 6A DATA CABLES IN THE AREA X. DFR ROOM. IN CATEGORY 6A PATCH PANELS. LEAVE 50% OF THE EQUIPMENT RACKS OPEN FOR OWNER DATA EQUIPMENT. REFER TO SHEET E2206.
6. PROVIDE AN AREA OF REFUGE P. PUSH TO CALL PANEL IN ELEVATOR LOBBY. PROVIDE CATEGORY 6A COMMUNICATION CABLE TO AREA B DFR ROOM. DEVICE SHALL BE POWERED BY POE SWITCH.

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5	DP-4	02/10/2015
6	DP-4 RESP 1	05/27/2015

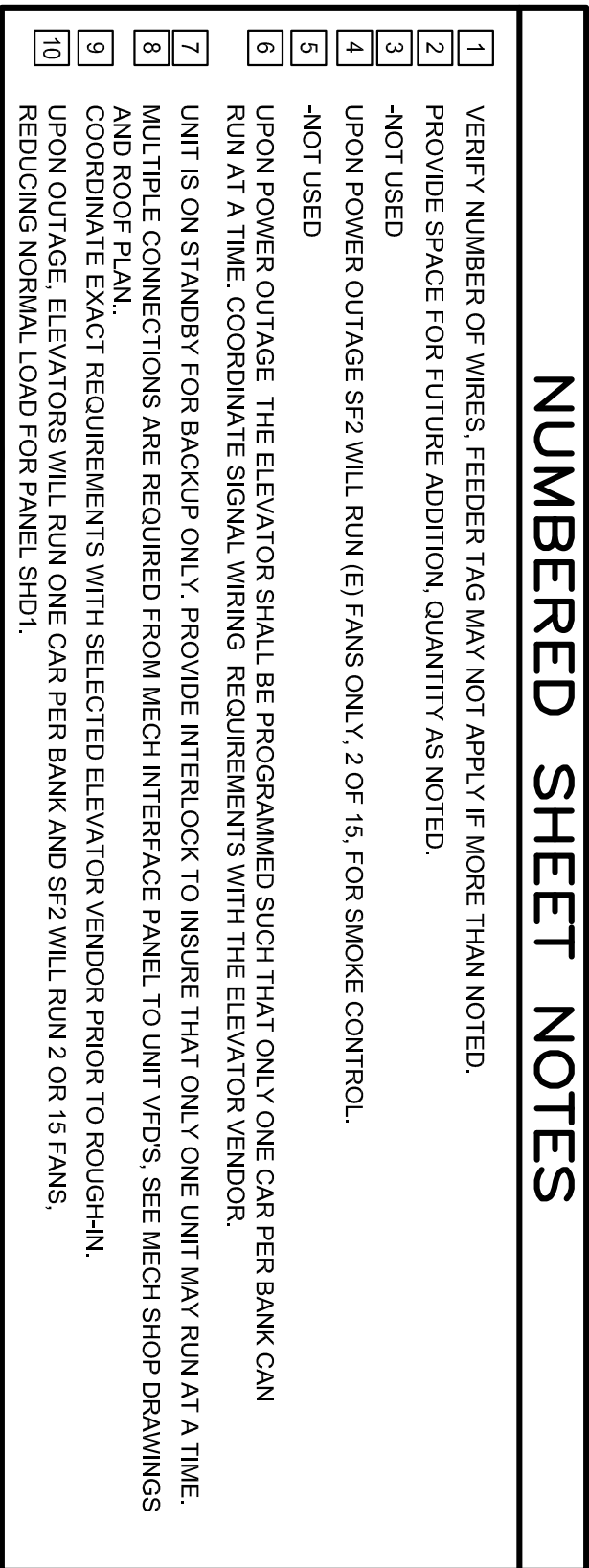
DRAWING TITLE
LEVEL 5 TELCOM PLAN - AREA B

PROJECT # 20100014.001

SHEET NUMBER

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PLAN



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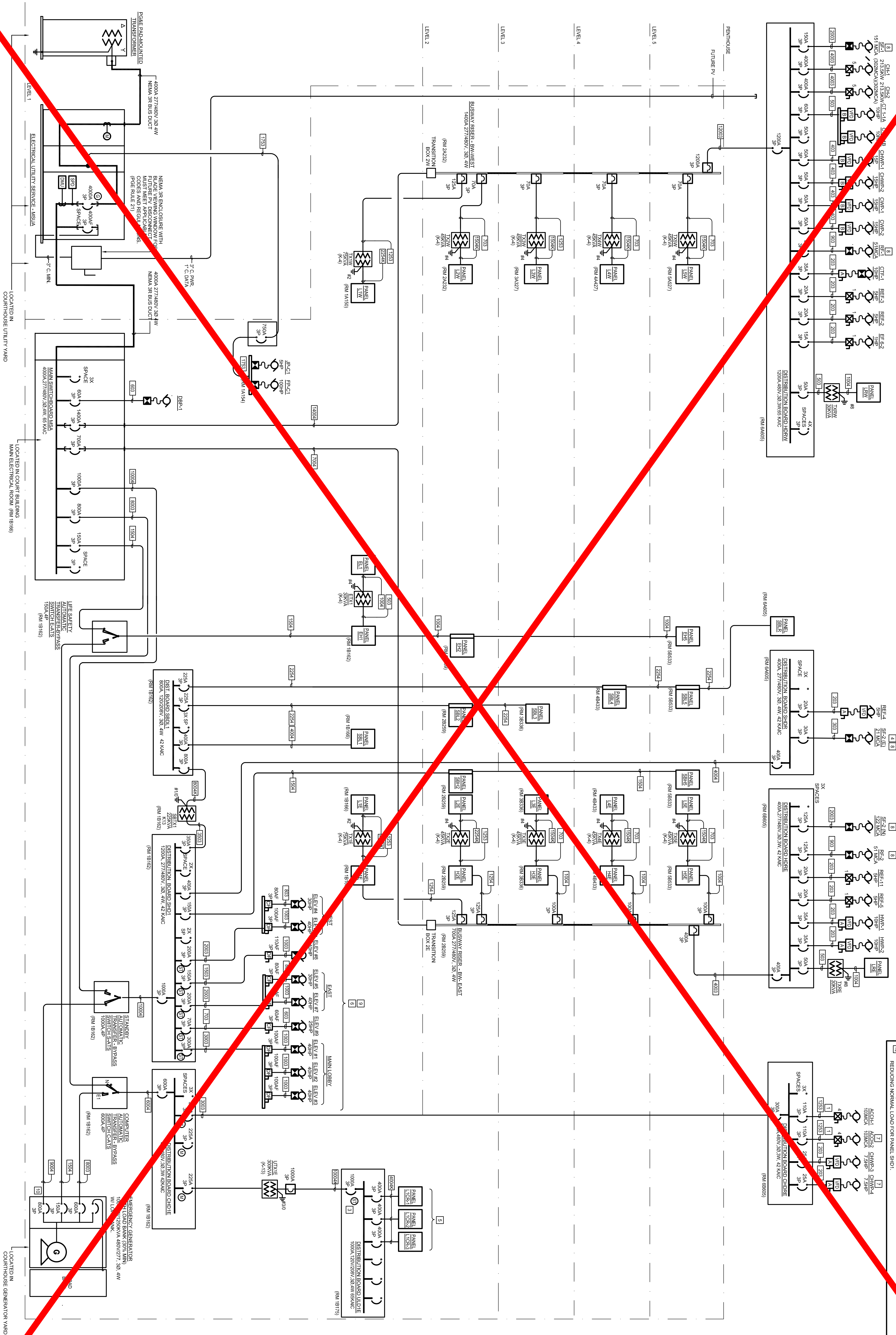
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ELECTRICAL RISER DIAGRAM
E5001 COURTS BUILDING

NTS



NUMBERED SHEET NOTES

- VERIFY NUMBER OF WIRES. FEEDERS TAG MAY NOT APPLY IF MORE THAN NOTED.
- PROVIDE SPACE FOR FUTURE ADDITION QUANTITY AS NOTED.
- SPROUT THE INTERFERENCE TO CLEAN AGENT FIRE SUPPRESSION SYSTEM.
- SPROUT THE INTERFERENCE TO CLEAN AGENT FIRE SUPPRESSION SYSTEM.
- THE CLEAN AGENT FIRE SUPPRESSION SYSTEM AND MEET NFPA REQUIREMENTS FOR BATTERY ACID CONTAINMENT.
- UPON POWER OUTAGE THE ELEVATOR SHALL BE PROGRAMMED SUCH THAT ONLY ONE CAR PER BANK CAN RUN AT A TIME. COORDINATE SIGNAL WIRING REQUIREMENTS WITH THE ELEVATOR VENDOR.
- MULTIPLE E CONNECTIONS ARE REQUIRED FROM MECH INTERFACE PANEL TO LIFT VEHOS. SEE MECH SCHEDULES AND ROOF PLAN.
- COORDINATE EXACT REQUIREMENTS WITH SELECTED ELEVATOR VENDOR PRIOR TO ROUGHING IN.
- COORDINATE EXACT REQUIREMENTS WITH SELECTED ELEVATOR VENDOR PRIOR TO ROUGHING IN.
- REWORKING FOR MECH LOAD FOR ELEVATOR VEHOS.

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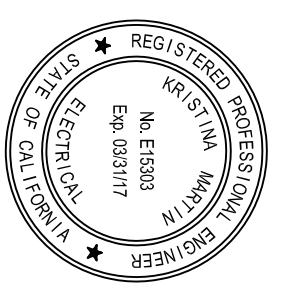
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1	BP-3	10/22/2014
2	50% CD	12/02/2014
3	BP-4	02/10/2015
4	BP-4 REVISION	02/27/2015

DRAWING TITLE
E5001
PROJECT # 20100014.001
SHEET NUMBER

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COPPER FEEDER SCHEDULE						
FEEDER TAG	FEEDER DESCRIPTION	CONDUIT	CONDUCTORS		REMARKS	
			PHASE/NEUTRAL	GROUND		
1600A	1600 AMP/3 PHASE/4 WIRE	5-3.50"	5 SETS OF 3 #500 KCMIL	1 #4/0 PER SET	-	
1600B	1600 AMP/3 PHASE/3 WIRE	5-3.00"	5 SETS OF 3 #400 KCMIL	1 #4/0 PER SET	-	
1400A	1400 AMP/3 PHASE/4 WIRE	5-3.00"	5 SETS OF 3 #500 KCMIL	1 #4/0 PER SET	-	
1400B	1400 AMP/3 PHASE/3 WIRE	4-3.50"	4 SETS OF 3 #400 KCMIL	1 #4/0 PER SET	-	
1200A	1200 AMP/3 PHASE/4 WIRE	4-3.00"	4 SETS OF 3 #400 KCMIL	1 #3/0 PER SET	-	
1200B	1200 AMP/3 PHASE/3 WIRE	4-2.50"	4 SETS OF 3 #500 KCMIL	1 #3/0 PER SET	-	
1000A	1000 AMP/3 PHASE/4 WIRE	3-3.50"	3 SETS OF 3 #400 KCMIL	1 #2/0 PER SET	-	
1000B	1000 AMP/3 PHASE/3 WIRE	3-3.00"	3 SETS OF 3 #500 KCMIL	1 #2/0 PER SET	-	
800A	800 AMP/3 PHASE/4 WIRE	3-3.00"	3 SETS OF 3 #400 KCMIL	1 #2/0 PER SET	-	
800B	800 AMP/3 PHASE/3 WIRE	3-3.00"	3 SETS OF 3 #500 KCMIL	1 #2/0 PER SET	-	
600A	600 AMP/3 PHASE/4 WIRE	2-3.00"	2 SETS OF 3 #400 KCMIL	1 #1 PER SET	①	
600B	600 AMP/3 PHASE/3 WIRE	2-2.50"	2 SETS OF 3 #500 KCMIL	1 #1 PER SET	②	
400A	400 AMP/3 PHASE/4 WIRE	2-2.00"	2 SETS OF 3 #400 KCMIL	1 #1 PER SET	-	
400B	400 AMP/3 PHASE/3 WIRE	2-1.50"	2 SETS OF 3 #500 KCMIL	1 #1 PER SET	-	
250A	250 AMP/3 PHASE/4 WIRE	1-2.50"	2 SETS OF 3 #400 KCMIL	1 #4 PER SET	①	
250B	250 AMP/3 PHASE/3 WIRE	1-2.50"	2 SETS OF 3 #500 KCMIL	1 #4 PER SET	②	
150A	150 AMP/3 PHASE/4 WIRE	1-1.50"	3 #2/0 AMC, 1 #400 KCMIL NEU	1 #6	-	
150B	150 AMP/3 PHASE/3 WIRE	1-1.50"	4 #1/0	1 #6	②	
100A	100 AMP/3 PHASE/4 WIRE	1-1.25"	3 #3/0, 1 #400 KCMIL NEU	1 #6	-	
100B	100 AMP/3 PHASE/3 WIRE	1-1.25"	4 #1/0	1 #6	②	
80A	80 AMP/3 PHASE/4 WIRE	1-1.25"	3 #2/0, 1 #400 KCMIL NEU	1 #6	-	
80B	80 AMP/3 PHASE/3 WIRE	1-1.25"	4 #1/0	1 #6	②	
60A	60 AMP/3 PHASE/4 WIRE	1-1.00"	3 #3/0, 1 #400 KCMIL NEU	1 #6	-	
60B	60 AMP/3 PHASE/3 WIRE	1-1.00"	4 #1/0	1 #6	②	
40A	40 AMP/3 PHASE/4 WIRE	1-0.75"	3 #3/0, 1 #400 KCMIL NEU	1 #10	①	
40B	40 AMP/3 PHASE/3 WIRE	1-0.75"	4 #1/0	1 #10	②	
25A	25 AMP/3 PHASE/4 WIRE	1-0.50"	3 #2/0, 1 #400 KCMIL NEU	1 #10	-	
25B	25 AMP/3 PHASE/3 WIRE	1-0.50"	4 #1/0	1 #10	②	
15A	15 AMP/3 PHASE/4 WIRE	1-0.50"	3 #1/0, 1 #400 KCMIL NEU	1 #12	-	
15B	15 AMP/3 PHASE/3 WIRE	1-0.50"	4 #1/0	1 #12	②	

FEEDER SCHEDULE GENERAL NOTES:

1. CONDUCTORS AND CONDUITS SHOWN IN THIS SCHEDULE ARE BASED ON COPPER CONDUCTORS WITH DUAL RATED THRU/THRU-2 INSULATION AT 90 °C, AND AMBIENT TEMPERATURE OF 30 °C (86 °F).

2. FEEDERS CONSISTING OF MULTIPLE SETS OF CONDUCTORS AND CONDUITS ARE TO BE PROVIDED WITH THE INDICATED SIZE GROUND CONDUCTOR IN EACH CONDUIT. NEUTRALS NOTED SHALL BE PER SET.

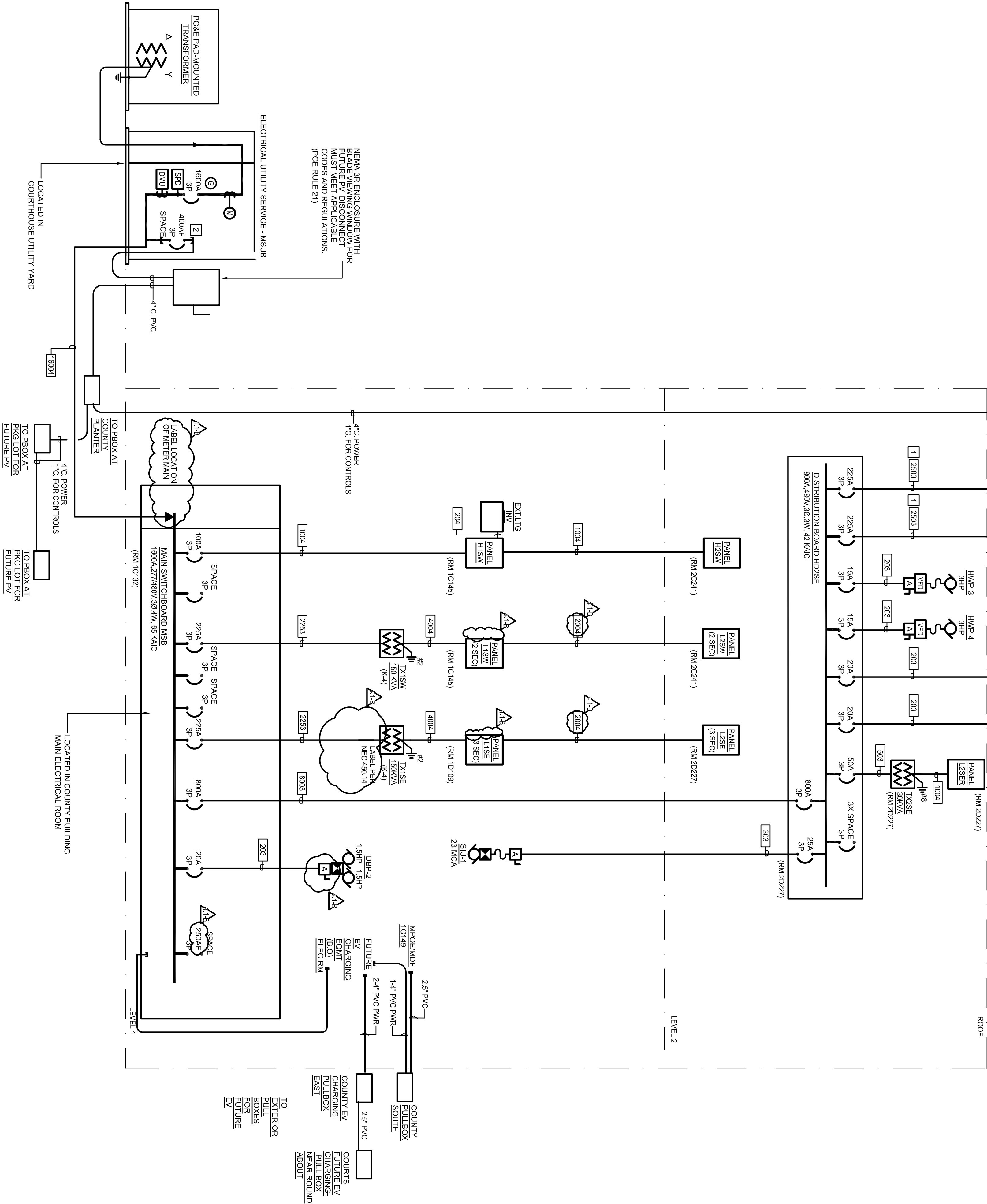
FEEDER SCHEDULE REMARK:

① 200K OVERSIZED NEUTRAL FOR SERVICE FROM K-1.3 RATED TRANSFORMERS.

② PER SECTION 246.4(B) APPLIED WHEN SIZING CONDUITS.

FEEDER SCHEDULE GENERAL NOTES:
1. CONDUCTORS AND CONDUITS SHOWN IN THIS SCHEDULE ARE BASED ON COPPER CONDUCTORS WITH DUAL RATED THHN/THWN-2 INSULATION AT 90° C, AND AMBIENT TEMPERATURE OF 30° C (86° F).
2. FEEDERS CONSISTING OF MULTIPLE SETS OF CONDUCTORS AND CONDUITS ARE TO BE PROVIDED WITH THE INDICATED SIZE GROUND CONDUCTOR IN EACH CONDUIT. NEUTRALS NOTED SHALL BE PER SET.

FEEDER SCHEDULE REMARK:
① 200K OVERSIZED NEUTRAL FOR SERVICE FROM K-13 RATED TRANSFORMERS.
② NEC SECTION 240.4(B) APPLIED WHEN SIZING CONDUCTORS.



A ELECTRICAL RISER
COUNTY BUILDING

E5002

NTS

NUMBERED SHEET NOTES

- CONFIRM NUMBER OF WIRES WITH VENDOR.
- BREAKER AMPERAGE SHALL NOT EXCEED 200A TO COMPLY WITH GFC 880.64 B.2.

EAST COUNTY HALL OF JUSTICE

Courts Building - 5151 Gleason Dr.
County Building - 5149 Gleason Dr.
Dublin, CA 94568

NO.	ISSUED FOR	DATE
1	BP-3	10/22/2014
2	BP-4	10/22/2014
3	BP-5	10/22/2014
4	BP-6	10/22/2014
5	BP-7	10/22/2014
6	BP-8	10/22/2014
7	BP-9	10/22/2014
8	BP-10	10/22/2014
9	BP-11	10/22/2014
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251	BP-253	10/22/2014
252	BP-2	

Warning: This is a violation of the law for any person, unless acting under the direction of a licensed architect, to alter an item in any way, if an item in this document is altered, the architect, altered by, follows by the signature and the date of such alteration, and the specific description of the alteration.

COPPER FEEDER SCHEDULE

FEEDER TAG	FEEDER DESCRIPTION	CONDUIT	PHASE/NEUTRAL	CONDUCTORS	GROUND	REMARKS
[E6004]	1600 AMP, 3 PHASE, 4 WIRE	5-3.50"		5 SETS OF 4 #500 KCMIL	1 #4/0 PER SET	-
[E6003]	1600 AMP, 3 PHASE, 3 WIRE	5-3.00"		5 SETS OF 3 #400 KCMIL	1 #4/0 PER SET	-
[E4004]	1400 AMP, 3 PHASE, 4 WIRE	5-3.00"		5 SETS OF 4 #350 KCMIL	1 #4/0 PER SET	-
[E4003]	1400 AMP, 3 PHASE, 3 WIRE	4-3.50"		5 SETS OF 3 #400 KCMIL	1 #4/0 PER SET	-
[E2004]	1200 AMP, 3 PHASE, 4 WIRE	4-3.00"		4 SETS OF 4 #400 KCMIL	1 #3/0 PER SET	①
[E2003]	1200 AMP, 3 PHASE, 3 WIRE	4-3.00"		4 SETS OF 3 #400 KCMIL	1 #3/0 PER SET	-
[E0004]	1000 AMP, 3 PHASE, 4 WIRE	3-3.50"		4 SETS OF 3 #350 KCMIL	1 #2/0 PER SET	-
[E0003]	1000 AMP, 3 PHASE, 3 WIRE	3-3.00"		3 SETS OF 3 #400 KCMIL	1 #2/0 PER SET	-
[E0004]	900 AMP, 3 PHASE, 4 WIRE	3-3.00"		3 SETS OF 3 #400 KCMIL	1 #2/0 PER SET	①
[E0003]	900 AMP, 3 PHASE, 3 WIRE	3-3.00"		3 SETS OF 3 #350 KCMIL	1 #2/0 PER SET	-
[E0004]	800 AMP, 3 PHASE, 4 WIRE	3-3.00"		3 SETS OF 3 #350 KCMIL	1 #1/0 PER SET	①
[E0003]	800 AMP, 3 PHASE, 3 WIRE	3-3.00"		3 SETS OF 3 #300 KCMIL	1 #1/0 PER SET	-
[E0004]	700 AMP, 3 PHASE, 4 WIRE	2-3.50"		2 SETS OF 3 #400 KCMIL	1 #1/0 PER SET	②
[E0003]	700 AMP, 3 PHASE, 3 WIRE	2-3.00"		2 SETS OF 3 #350 KCMIL	1 #1/0 PER SET	-
[E0004]	600 AMP, 3 PHASE, 4 WIRE	2-3.00"		2 SETS OF 3 #400 KCMIL	1 #1 PER SET	①
[E0003]	600 AMP, 3 PHASE, 3 WIRE	2-3.00"		2 SETS OF 3 #350 KCMIL	1 #1 PER SET	-
[E0004]	500 AMP, 3 PHASE, 4 WIRE	2-3.00"		2 SETS OF 3 #350 KCMIL	1 #2 PER SET	①
[E0003]	500 AMP, 3 PHASE, 3 WIRE	2-2.50"		2 SETS OF 3 #350 KCMIL	1 #2 PER SET	-
[E5004]	450 AMP, 3 PHASE, 4 WIRE	2-2.50"		2 SETS OF 3 #250 KCMIL	1 #2 PER SET	②
[E5003]	450 AMP, 3 PHASE, 3 WIRE	2-2.50"		2 SETS OF 3 #250 KCMIL	1 #2 PER SET	-
[E4504]	400 AMP, 3 PHASE, 4 WIRE	2-2.50"		2 SETS OF 3 #250 KCMIL	1 #2 PER SET	②
[E4503]	400 AMP, 3 PHASE, 3 WIRE	2-2.50"		2 SETS OF 3 #250 KCMIL	1 #2 PER SET	-
[E4004]	400 AMP, 3 PHASE, 4 WIRE	2-2.50"		2 SETS OF 3 #250 KCMIL	1 #2 PER SET	①
[E4003]	400 AMP, 3 PHASE, 3 WIRE	2-2.00"		2 SETS OF 3 #250 KCMIL	1 #2 PER SET	-
[E3504]	350 AMP, 3 PHASE, 4 WIRE	2-2.50"		2 SETS OF 3 #250 KCMIL	1 #2 PER SET	①
[E3503]	350 AMP, 3 PHASE, 3 WIRE	1-3.00"		2 SETS OF 3 #250 KCMIL	1 #2 PER SET	-
[E3004]	300 AMP, 3 PHASE, 4 WIRE	1-3.00"		2 SETS OF 3 #250 KCMIL	1 #4	①
[E3003]	300 AMP, 3 PHASE, 3 WIRE	1-2.50"		2 SETS OF 3 #250 KCMIL	1 #4	-
[E2504]	250 AMP, 3 PHASE, 4 WIRE	1-3.00"		2 SETS OF 3 #250 KCMIL	1 #4	②
[E2503]	250 AMP, 3 PHASE, 3 WIRE	1-2.50"		2 SETS OF 3 #250 KCMIL	1 #4	-
[E2004]	200 AMP, 3 PHASE, 4 WIRE	1-2.50"		2 SETS OF 3 #250 KCMIL	1 #4	①
[E2003]	200 AMP, 3 PHASE, 3 WIRE	1-2.00"		2 SETS OF 3 #250 KCMIL	1 #4	-
[E1754]	175 AMP, 3 PHASE, 4 WIRE	1-3.00"		3 #3/0, 1 #500 KCMIL NEU.	1 #6	①
[E1753]	175 AMP, 3 PHASE, 3 WIRE	1-2.00"		3 #4/0, 1 #500 KCMIL NEU.	1 #6	-
[E1504]	150 AMP, 3 PHASE, 4 WIRE	1-2.50"		3 #4/0, 1 #400 KCMIL NEU.	1 #6	①
[E1503]	150 AMP, 3 PHASE, 3 WIRE	1-1.50"		3 #4/0, 1 #400 KCMIL NEU.	1 #6	-
[E1254]	125 AMP, 3 PHASE, 4 WIRE	1-1.50"		3 #4/0, 1 #400 KCMIL NEU.	1 #6	②
[E1253]	125 AMP, 3 PHASE, 3 WIRE	1-1.25"		3 #4/0, 1 #400 KCMIL NEU.	1 #6	-
[E1004]	100 AMP, 3 PHASE, 4 WIRE	1-2.00"		3 #4/0, 1 #400 KCMIL NEU.	1 #6	①
[E1003]	100 AMP, 3 PHASE, 3 WIRE	1-1.25"		3 #4/0, 1 #400 KCMIL NEU.	1 #6	-
[E904]	90 AMP, 3 PHASE, 4 WIRE	1-1.25"		3 #4/0, 1 #400 KCMIL NEU.	1 #6	②
[E903]	90 AMP, 3 PHASE, 3 WIRE	1-1.25"		3 #4/0, 1 #400 KCMIL NEU.	1 #6	-
[E804]	80 AMP, 3 PHASE, 4 WIRE	1-1.00"		3 #4/0, 1 #400 KCMIL NEU.	1 #6	②
[E803]	80 AMP, 3 PHASE, 3 WIRE	1-1.00"		3 #4/0, 1 #400 KCMIL NEU.	1 #6	-
[E704]	70 AMP, 3 PHASE, 4 WIRE	1-1.00"		3 #4/0, 1 #400 KCMIL NEU.	1 #6	-
[E703]	70 AMP, 3 PHASE, 3 WIRE	1-1.00"		3 #4/0, 1 #400 KCMIL NEU.	1 #6	-
[E604]	60 AMP, 3 PHASE, 4 WIRE	1-1.50"		3 #4/0, 1 #400 KCMIL NEU.	1 #10	①
[E603]	60 AMP, 3 PHASE, 3 WIRE	1-1.25"		3 #4/0, 1 #400 KCMIL NEU.	1 #10	-
[E504]	50 AMP, 3 PHASE, 4 WIRE	1-1.25"		3 #4/0, 1 #400 KCMIL NEU.	1 #10	①
[E503]	50 AMP, 3 PHASE, 3 WIRE	1-1.25"		3 #4/0, 1 #400 KCMIL NEU.	1 #10	-
[E404]	40 AMP, 3 PHASE, 4 WIRE	1-1.00"		3 #4/0, 1 #400 KCMIL NEU.	1 #10	-
[E403]	40 AMP, 3 PHASE, 3 WIRE	1-0.75"		3 #4/0, 1 #400 KCMIL NEU.	1 #10	-
[E304]	30 AMP, 3 PHASE, 4 WIRE	1-0.75"		3 #4/0, 1 #400 KCMIL NEU.	1 #10	①
[E303]	30 AMP, 3 PHASE, 3 WIRE	1-0.75"		3 #4/0, 1 #400 KCMIL NEU.	1 #10	-
[E204]	20 AMP, 3 PHASE, 4 WIRE	1-0.50"		3 #4/0, 1 #400 KCMIL NEU.	1 #12	-
[E203]	20 AMP, 3 PHASE, 3 WIRE	1-0.50"		3 #4/0, 1 #400 KCMIL NEU.	1 #12	-
[E154]	15 AMP, 3 PHASE, 4 WIRE	1-0.50"		3 #4/0, 1 #400 KCMIL NEU.	1 #12	-
[E153]	15 AMP, 3 PHASE, 3 WIRE	1-0.50"		3 #4/0, 1 #400 KCMIL NEU.	1 #12	-

- FEEDER SCHEDULE GENERAL NOTES:
- CONDUCTORS AND CONDUITS SHOWN IN THIS SCHEDULE ARE BASED ON COPPER CONDUCTORS WITH DUAL RATED THHN/THWN-2 INSULATION OF 90° C, AND AMBIENT TEMPERATURE OF 30° C (86° F).
 - FEEDERS CONSISTING OF MULTIPLE SETS OF CONDUCTORS AND CONDUITS ARE TO BE PROVIDED WITH THE INDICATED SIZE GROUND CONDUCTOR IN EACH CONDUIT. NEUTRALS NOTED SHALL BE PER SET.

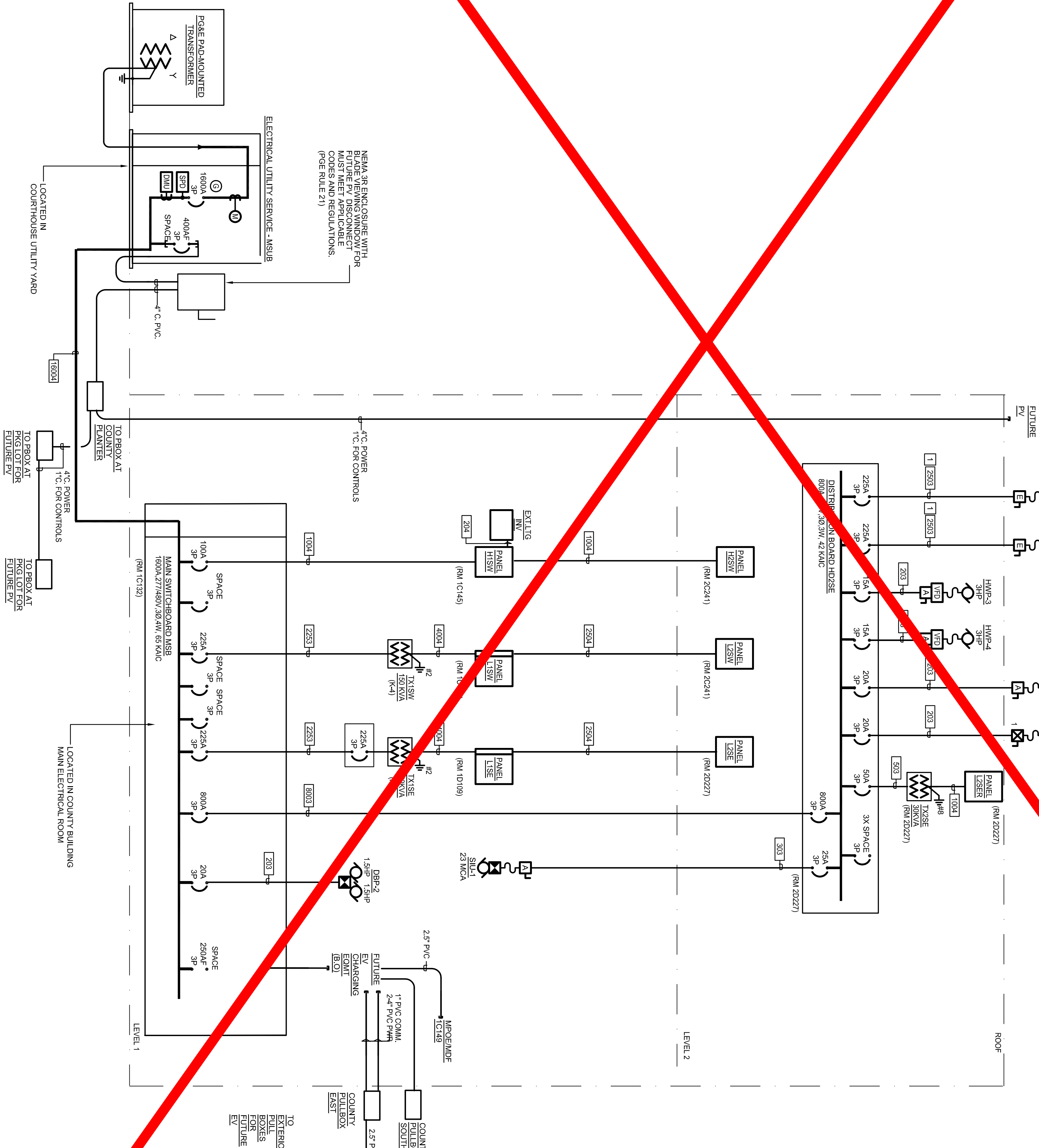
FEEDER SCHEDULE REMARK:

① 200% OVERSIZED NEUTRAL FOR SERVICE FROM K-13 RATED TRANSFORMERS.

② IN SECTION 240.4(B) APPLIED WHEN SIZING CONDUCTORS.

NUMBERED SHEET NOTES

1. CONFIRM NUMBER OF WIRES WITH VENDOR.



A ELECTRICAL RISER
COUNTY BUILDING

NTS

EAST COUNTY HALL OF JUSTICE

Courts Building - 5151 Gleason Dr.
County Building - 5149 Gleason Dr.
Dublin, CA 94568

CONSULTANT
The Engineering Enterprise
Consulting Engineers

Morse-Meadows Corp.
10000 S. 10th Ave.
Suite 100
San Jose, CA 95128
Tel: (408) 293-1000
Fax: (408) 293-1001
www.morse-meadows.com

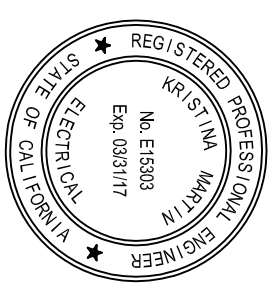
1055 MARINA VILLAGE PL # 100
ALAMEDA, CA 94601-1122
(415) 769-1800

JOB #14095

FENTRESS
ARCHITECTS

HENSEL PHELPS
Plan. Build. Manage.

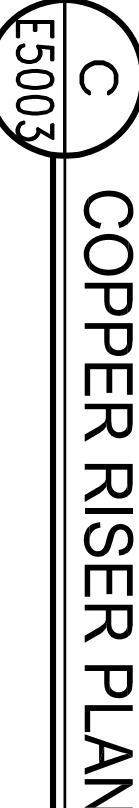
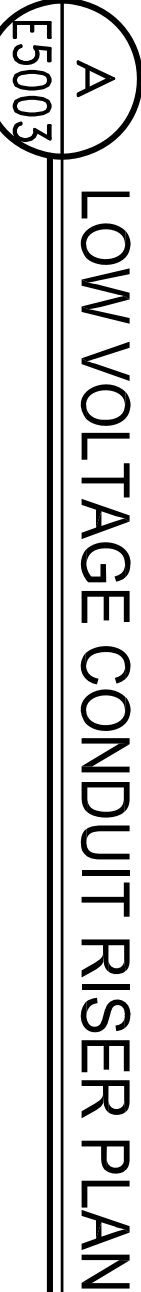
COMPASS
FENTRESS ARCHITECTS



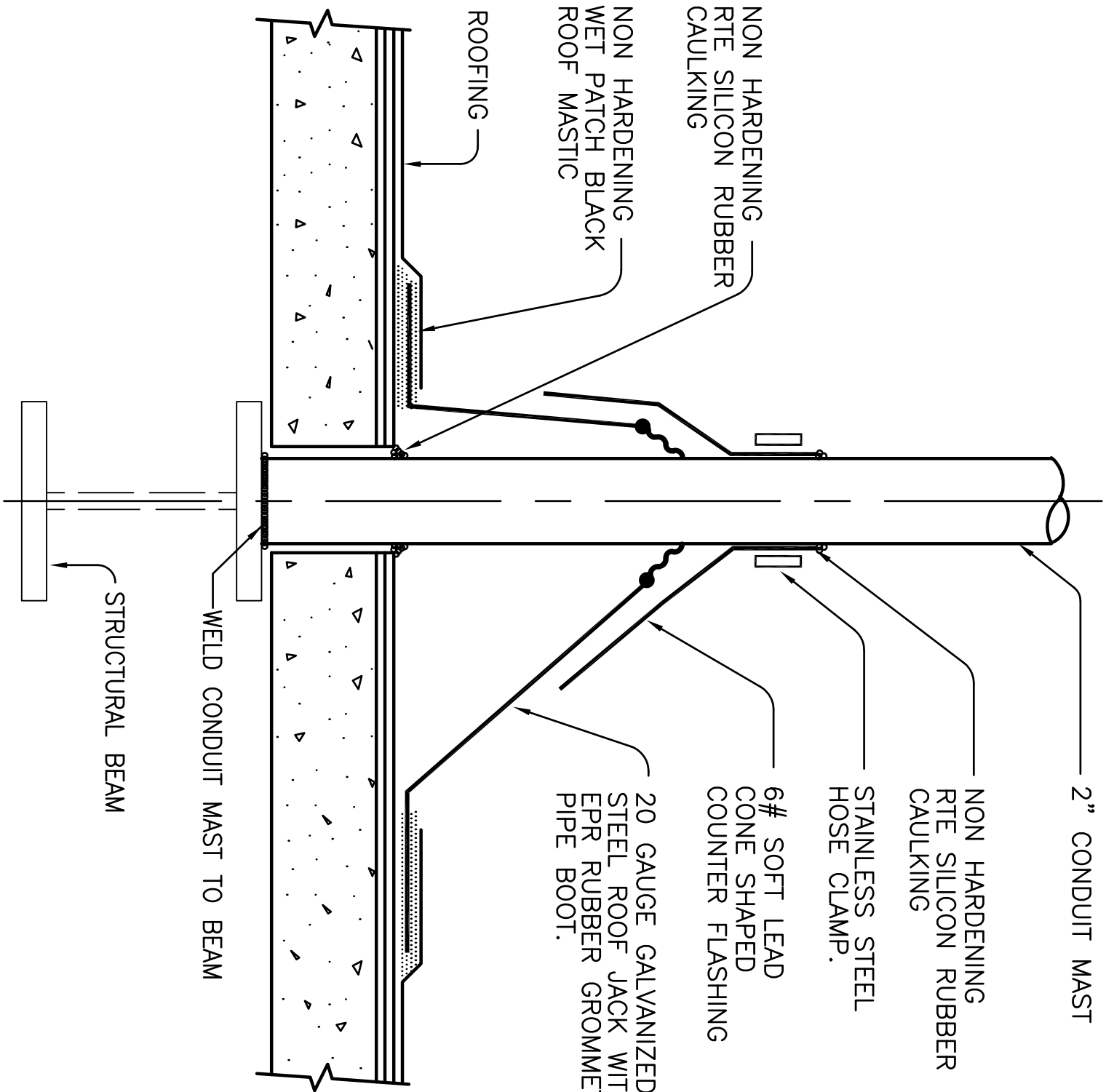
DRAWING TITLE
RISER DIAGRAM

PROJECT # ECT#20190014.001
SHEET NUMBER 0005

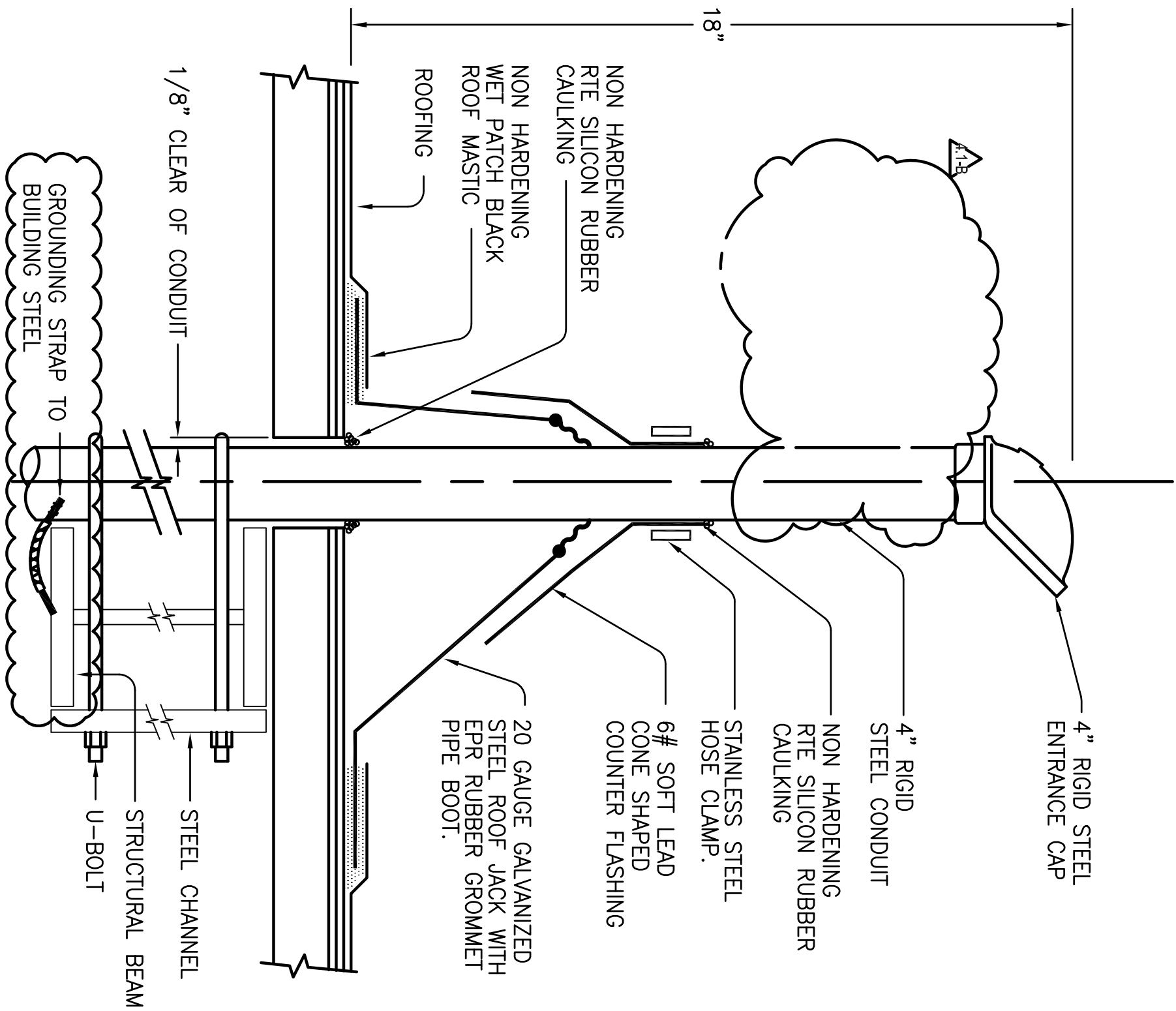
E5002

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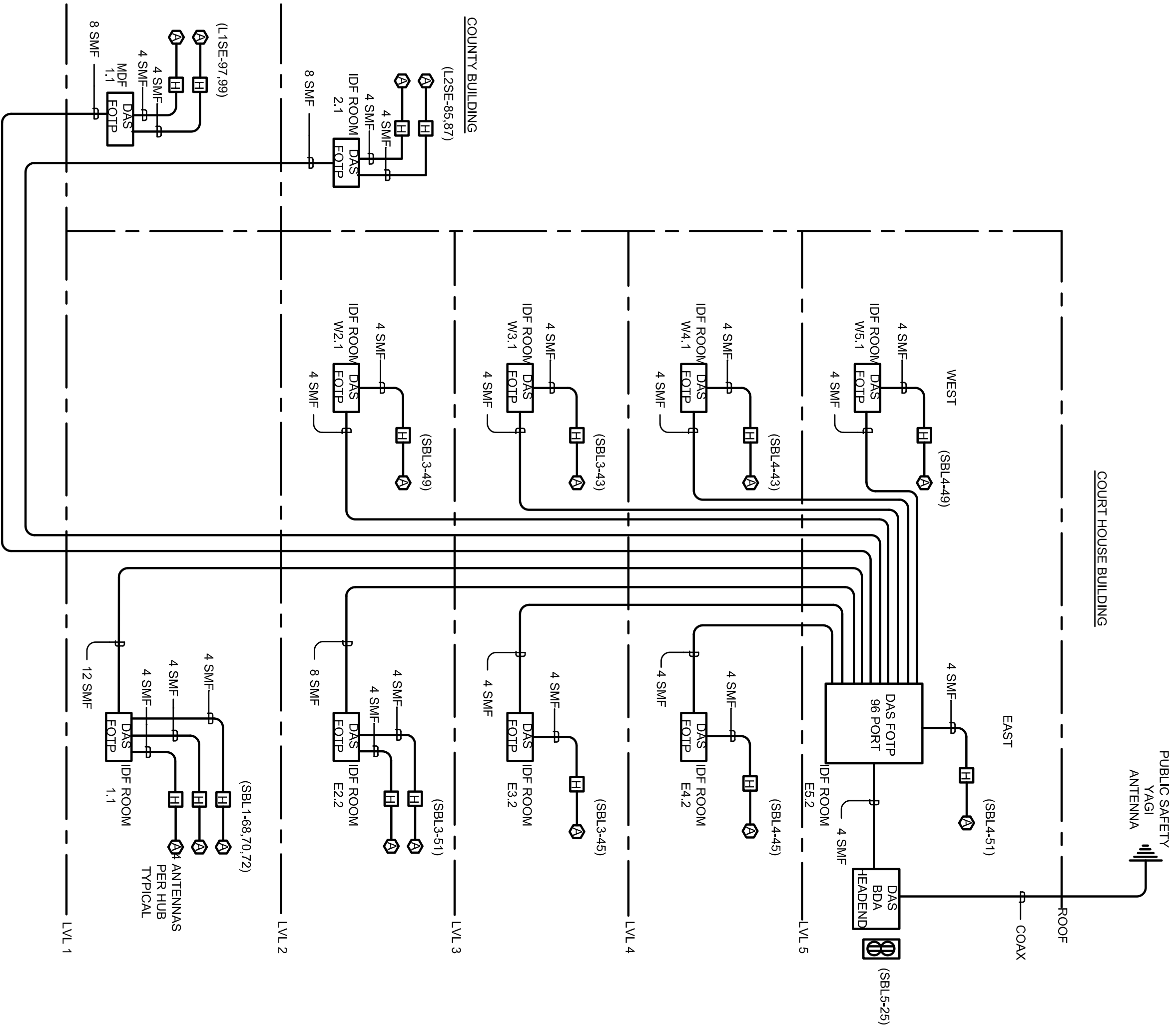
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A
E5004
CONDUIT MAST ROOF DETAIL
NTS



B
E5004
ROOF PENETRATION DETAIL
NTS



C
E5004
DISTRIBUTED ANTENNA SYSTEM RISER PLAN
NTS

EAST COUNTY HALL OF JUSTICE

Courts Building - 5151 Gleason Dr.
County Building - 5149 Gleason Dr.
Dublin, CA 94568

CONSULTANT

The Engineering Enterprise
Consulting Engineers

1000 Hwy 99
San Carlos, CA 94580
Phone: (925) 259-0000
Fax: (925) 259-0001
www.theengineeringenterprise.com

1305 SAKURA VILLAGE DRIVE # 100
ALAMEDA, CA 94601-1122
(415) 769-1900

JOB #14095

FENTRESS
ARCHITECTS

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COMPANY &
FENTRESS ARCHITECTS

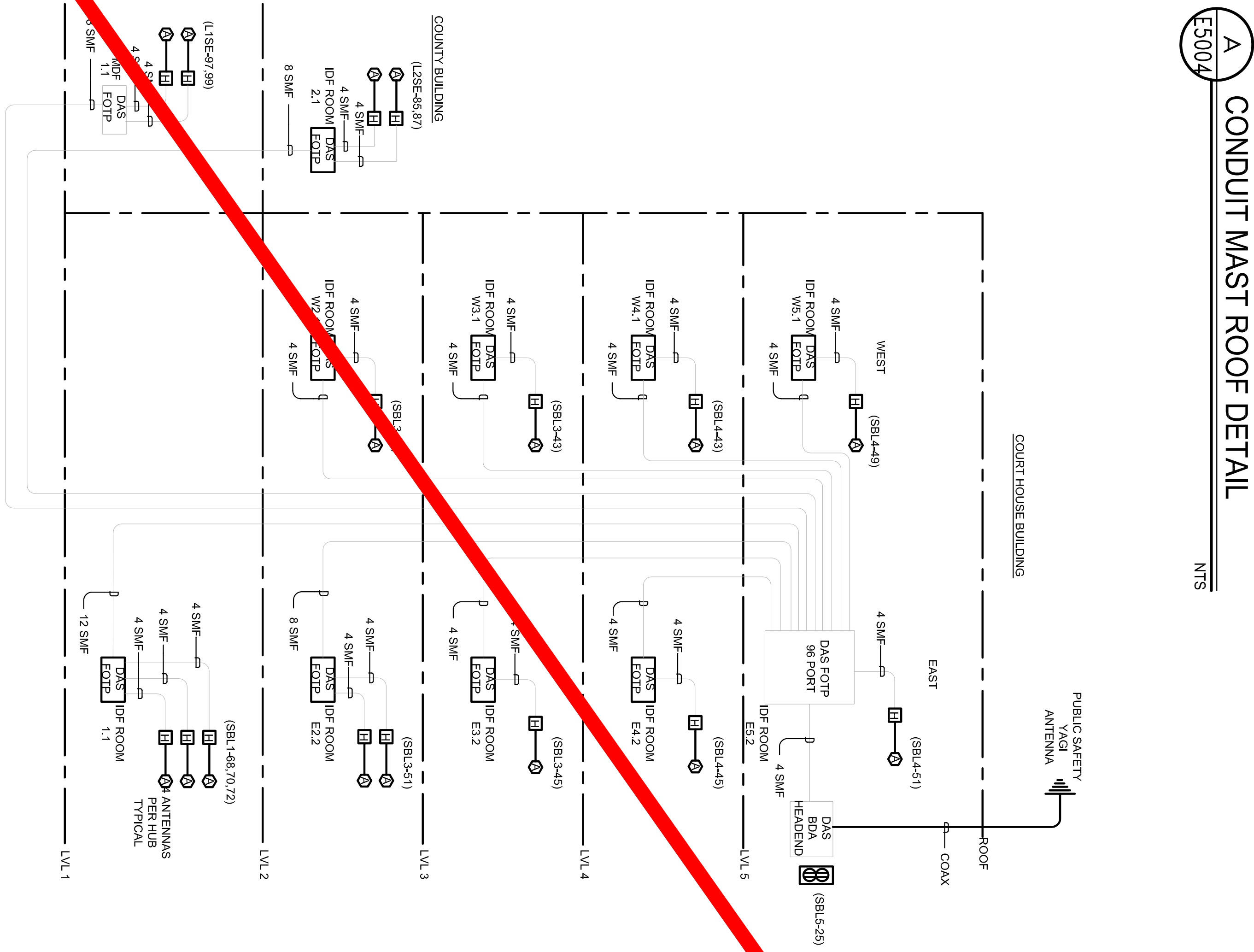
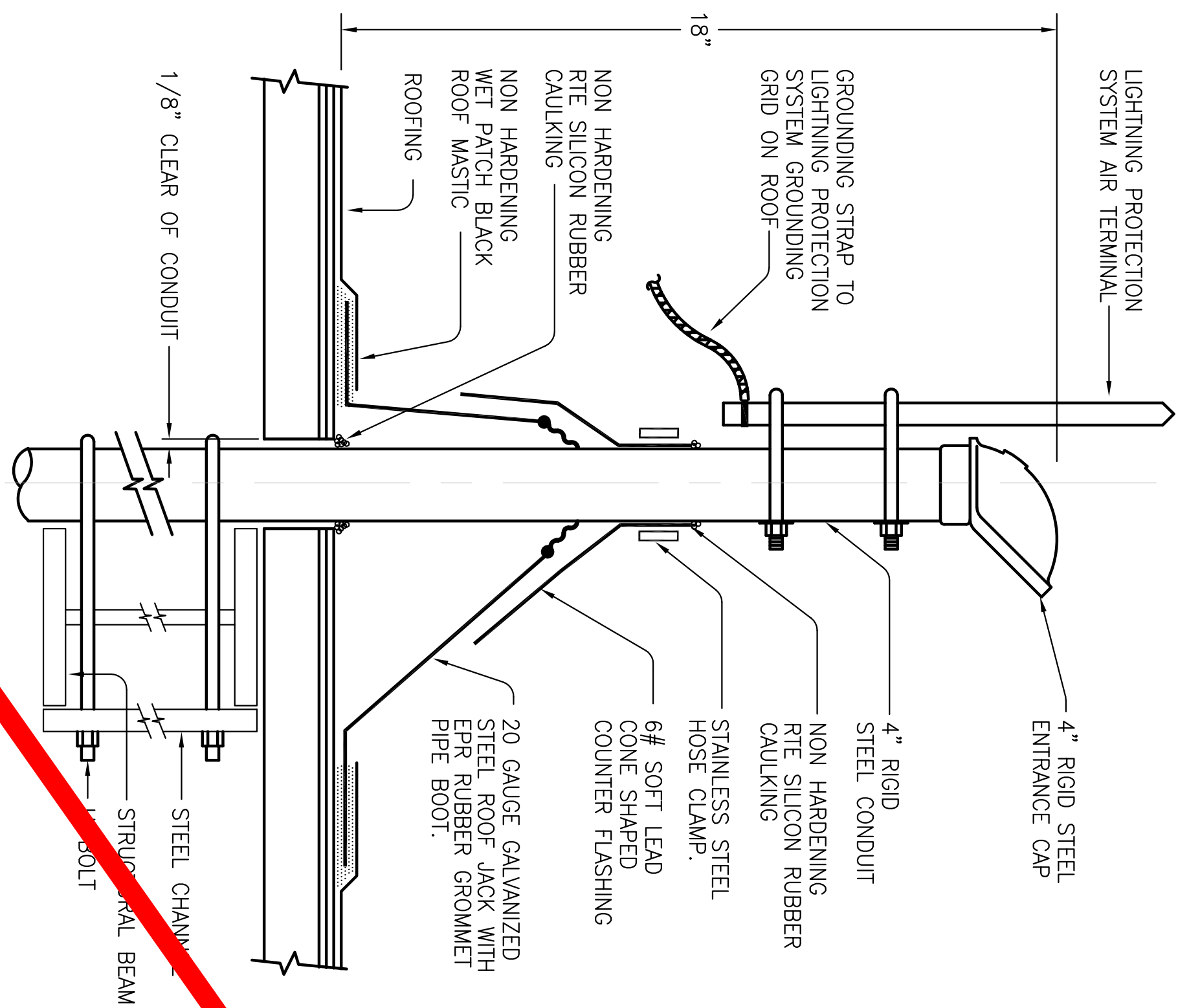
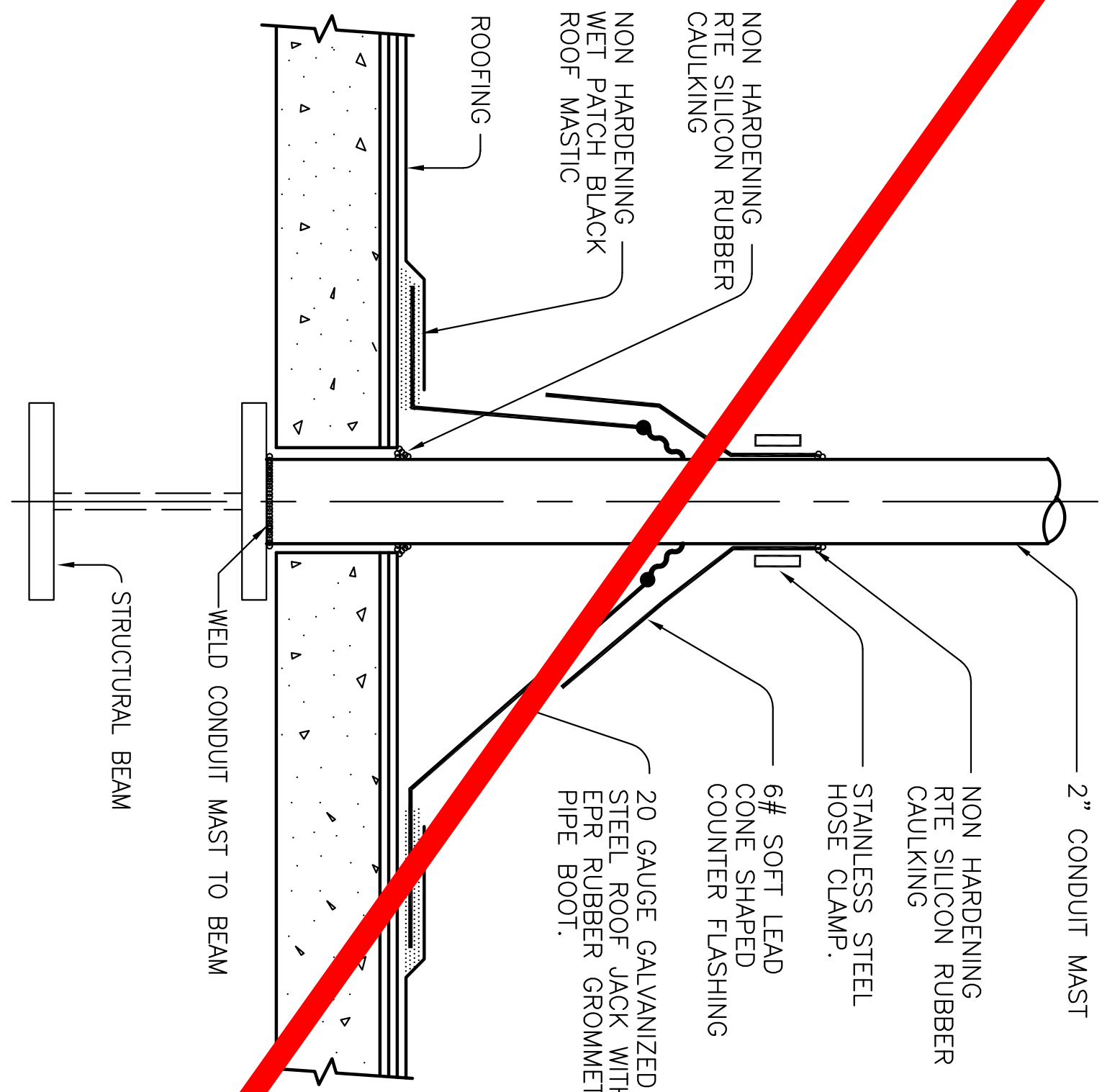
NO.	ISSUED FOR	DATE
1	DP-3	10/22/2014
2	50% CD	12/02/2014
3	DP-4	02/10/2015
4	DP-4 (REVISED)	02/10/2015
5	DP-4 (RESP 1)	02/24/2015
6	DP-4 (RESP 1)	02/24/2015
7	ADD B	
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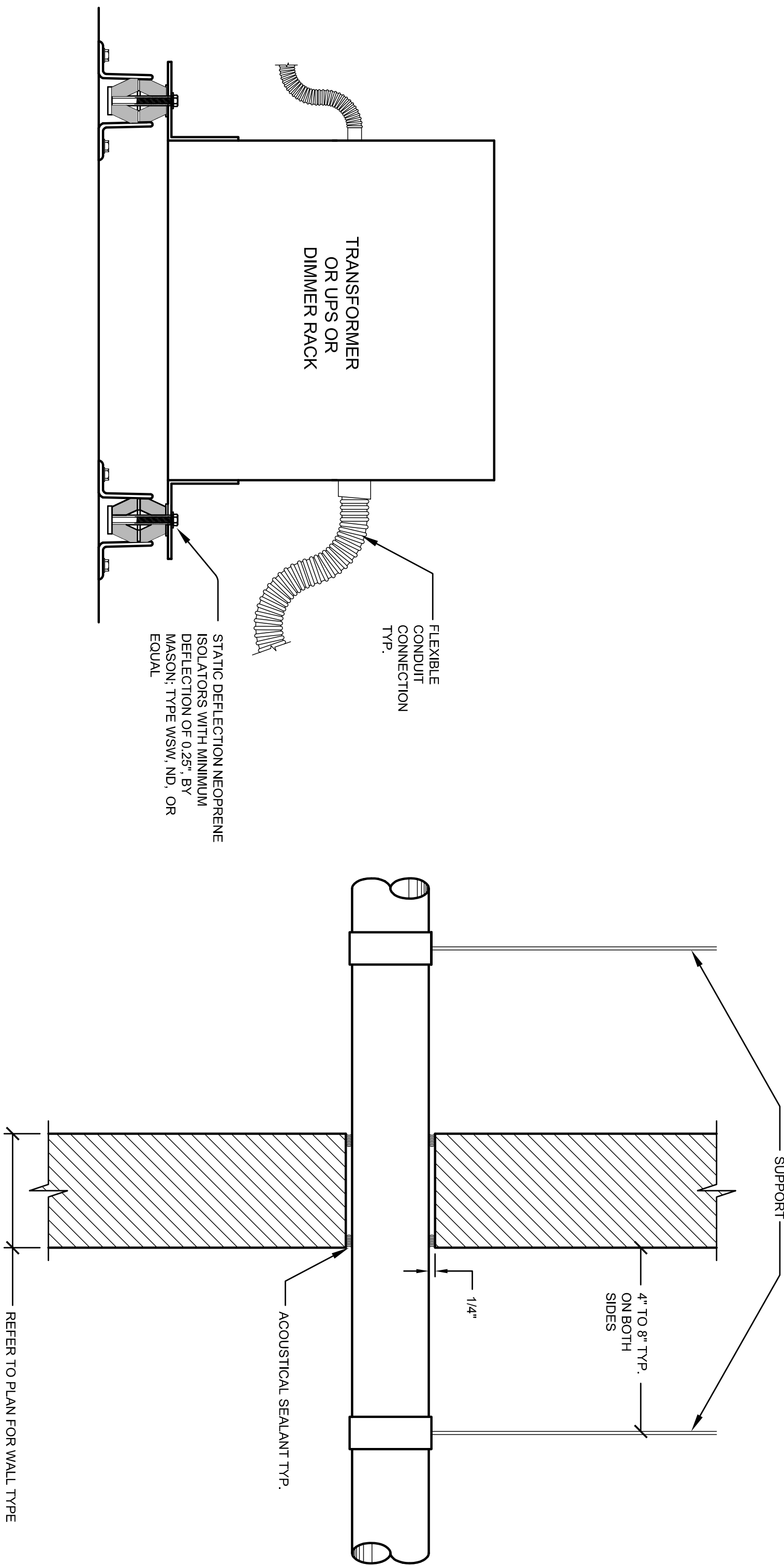
DRAWING TITLE
RISER DIAGRAM AND
DETAILS
PROJECT # 20100014.001
DATE 02/27/2015
SHEET NUMBER

E5004

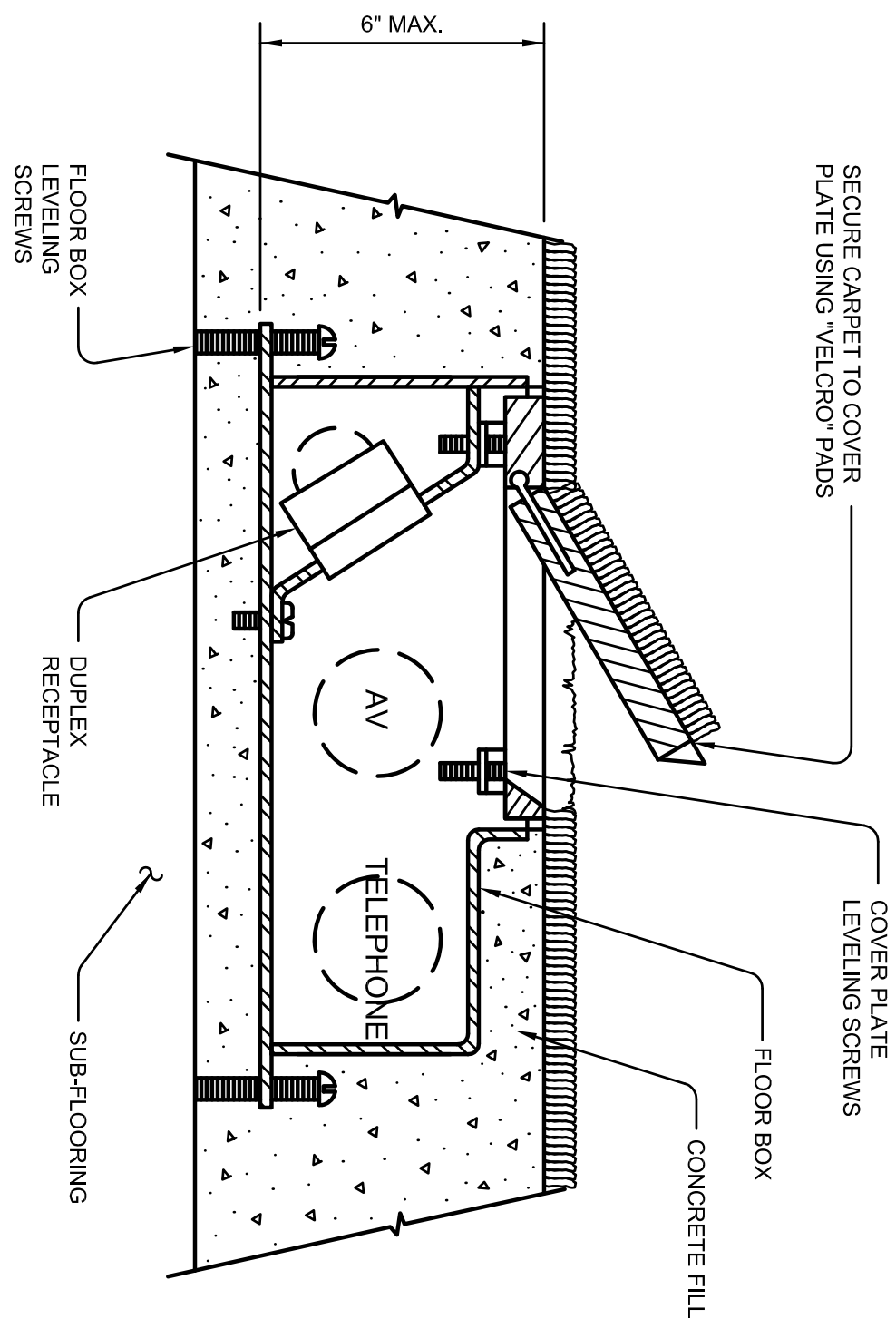
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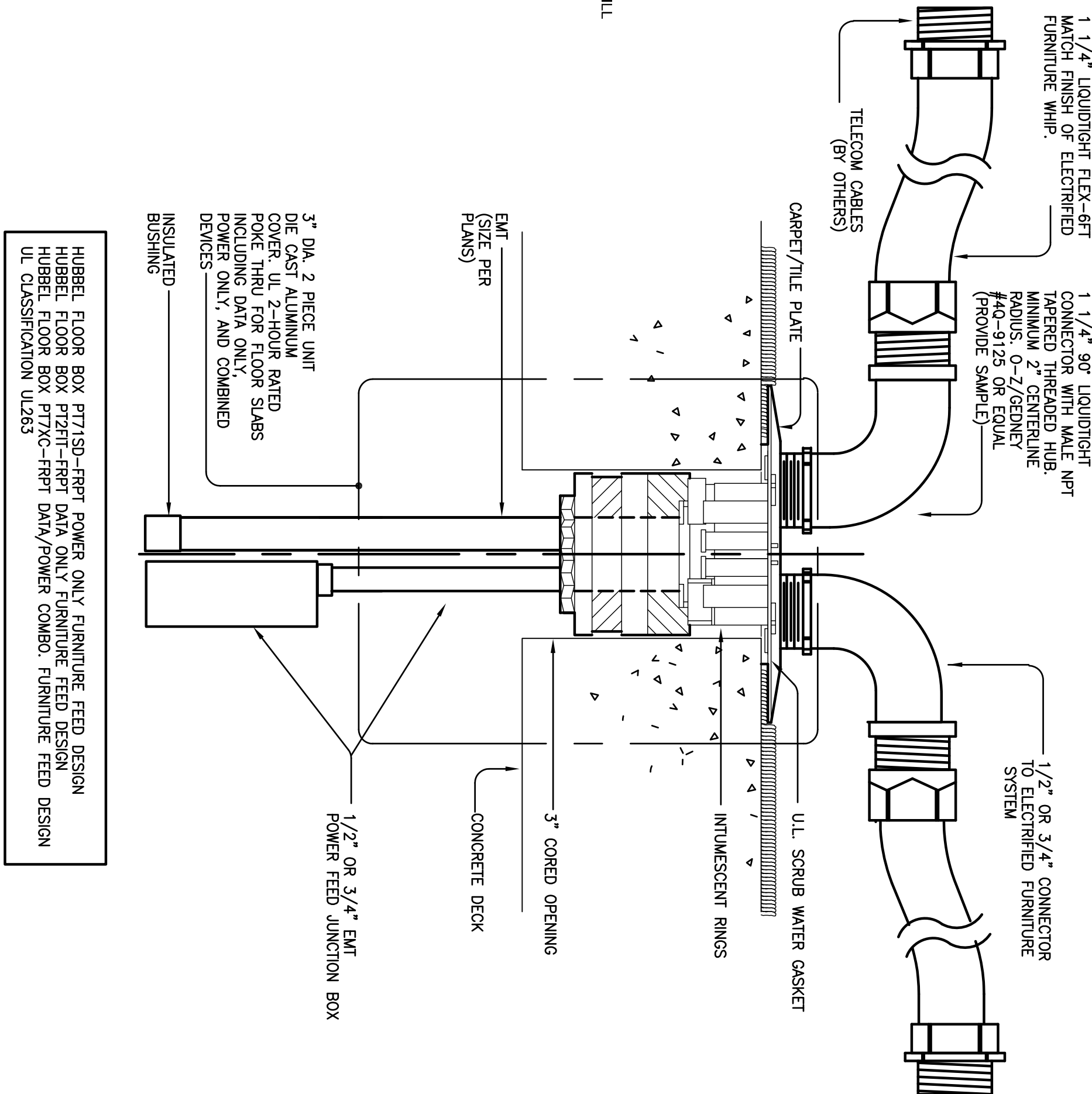
B
E6004
**TYPICAL PIPE OR CONDUIT
PENETRATION THROUGH
SOUND-RATED CONSTRUCTION** (N.T.S.)



**FLUSH FLOOR BOX FOR
CONCRETE SLAB OR DECK**
(NTS)

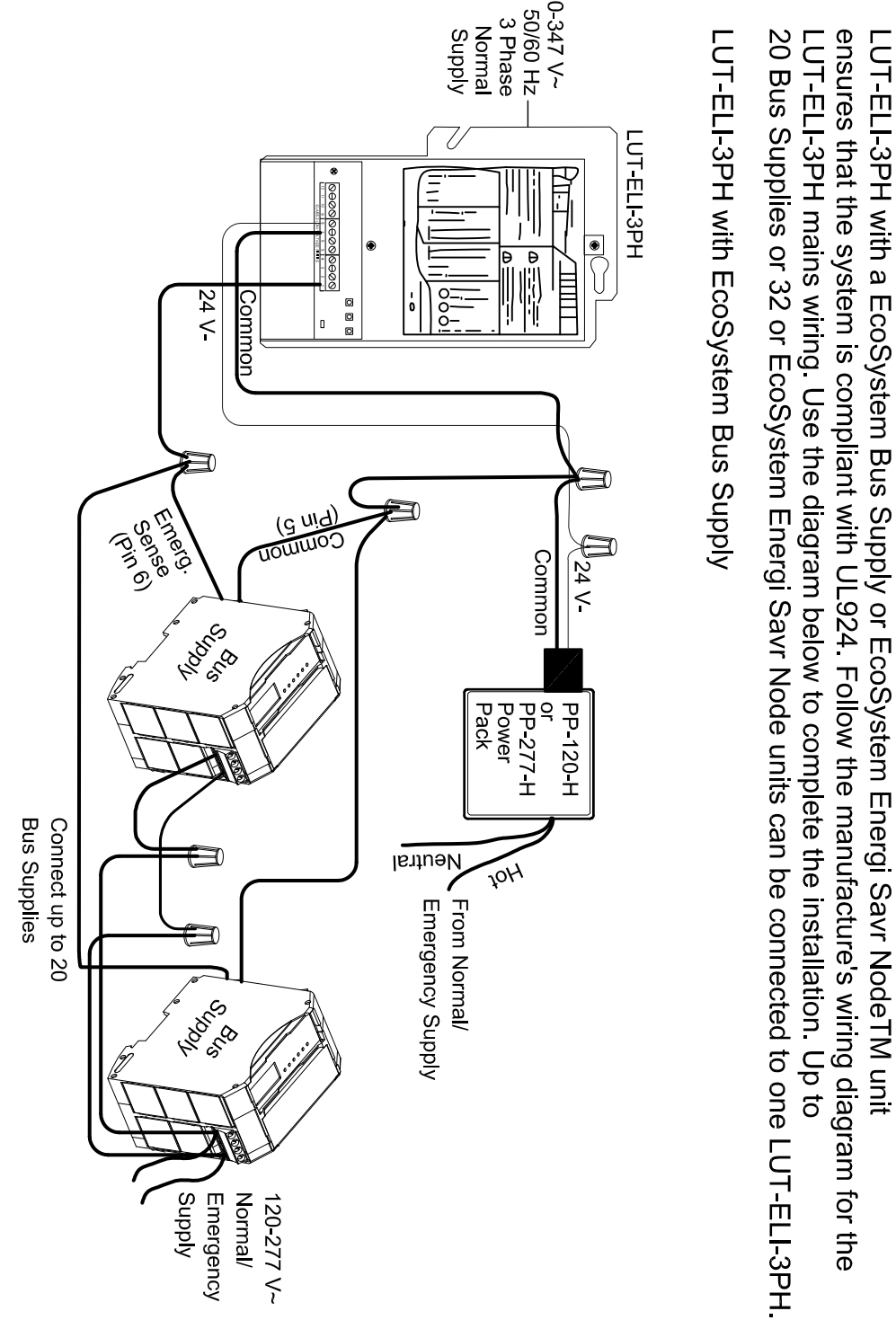
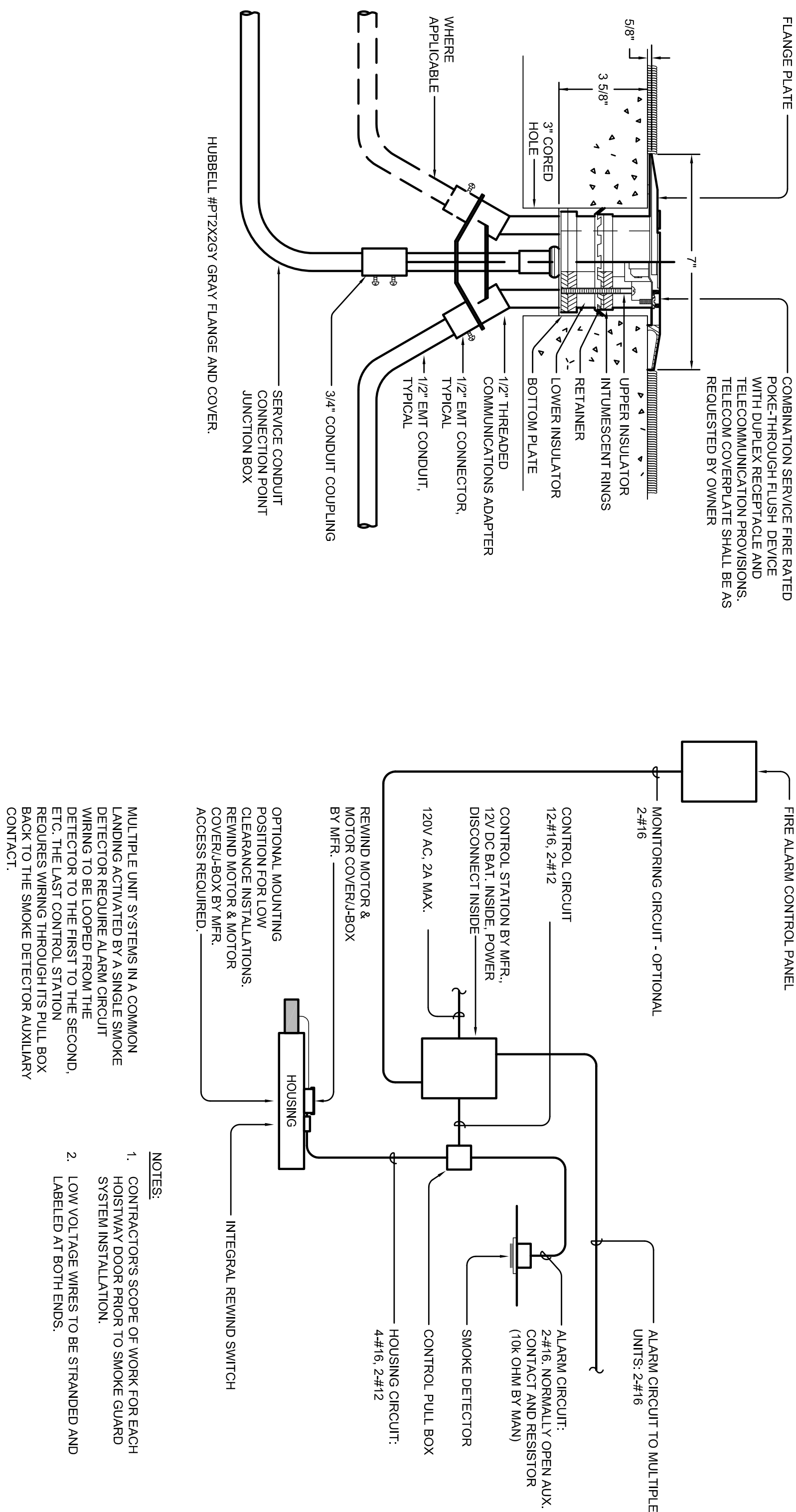


D FLUSH MOUNTED POWER/DATA
E6004 FURNITURE FEED FLOOR BOX DETAIL



F
E6004 **ELEVATOR SMOKE GUARD**
WIRING DIAGRAM (N.T.S.)

G
 E6004
 EMERGENCY TRANSFER DEVICES
 ETD - WIRING DIAGRAM
 (N.T.S.)



Wiring Summary:

- Wiring Power Pack Red Wire (+24 V) to LUT-EL-3PH terminal 8 (V+)
- Wiring Power Pack Black Wire (Common) to LUT-EL-3PH terminal 1 (Critical Common) and to EcoSystem Base Supply terminal 5 (Common)
- Wiring Power Pack Blue Wire (Common) to LUT-EL-3PH terminal 1 to EcoSystem Base Supply terminal 6 (CC-Emergency)

Note: When normal power fails and the LUT-EL-ELI pins, the EcoSystem Base Supply stops providing power to EcoSystem bus, and all emergency solenoids will turn on to their emergency level.

Note: The LUT-EL-3PH includes panic closure inputs as well. Consult the LUT-EL-3PH instructions for wiring details.

NO.	ISSUED FOR	DATE
2	50%CD	12/02/2014
5	DP-4	02/10/2015
6	DP-4 RESP 1	05/21/2015

STAMF




DRAWING TITLE
DETAILS
PROJECT #:20130014.00
OSFM: 01-01-11-0005
SHEET NUMBER

E6004

Courts Building - 5151 Gleason Dr.
County Building - 5149 Gleason Dr.
Dublin, CA 94568


CONSULTANT

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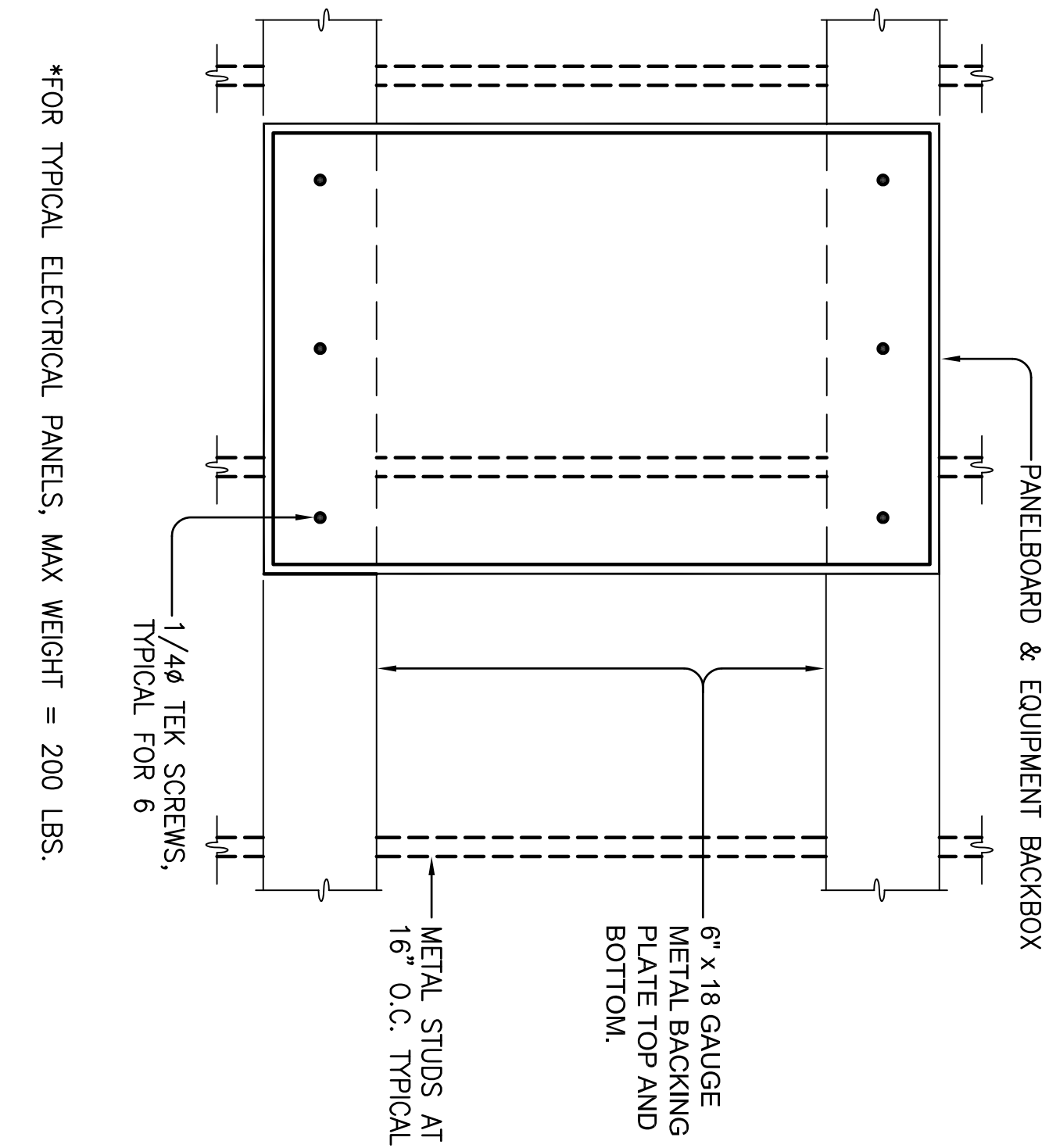
1305 MARINA VILLAGE PKWY # 100
ALAMEDA, CA 94021-1122
(510) 769-7000

JOB #14095

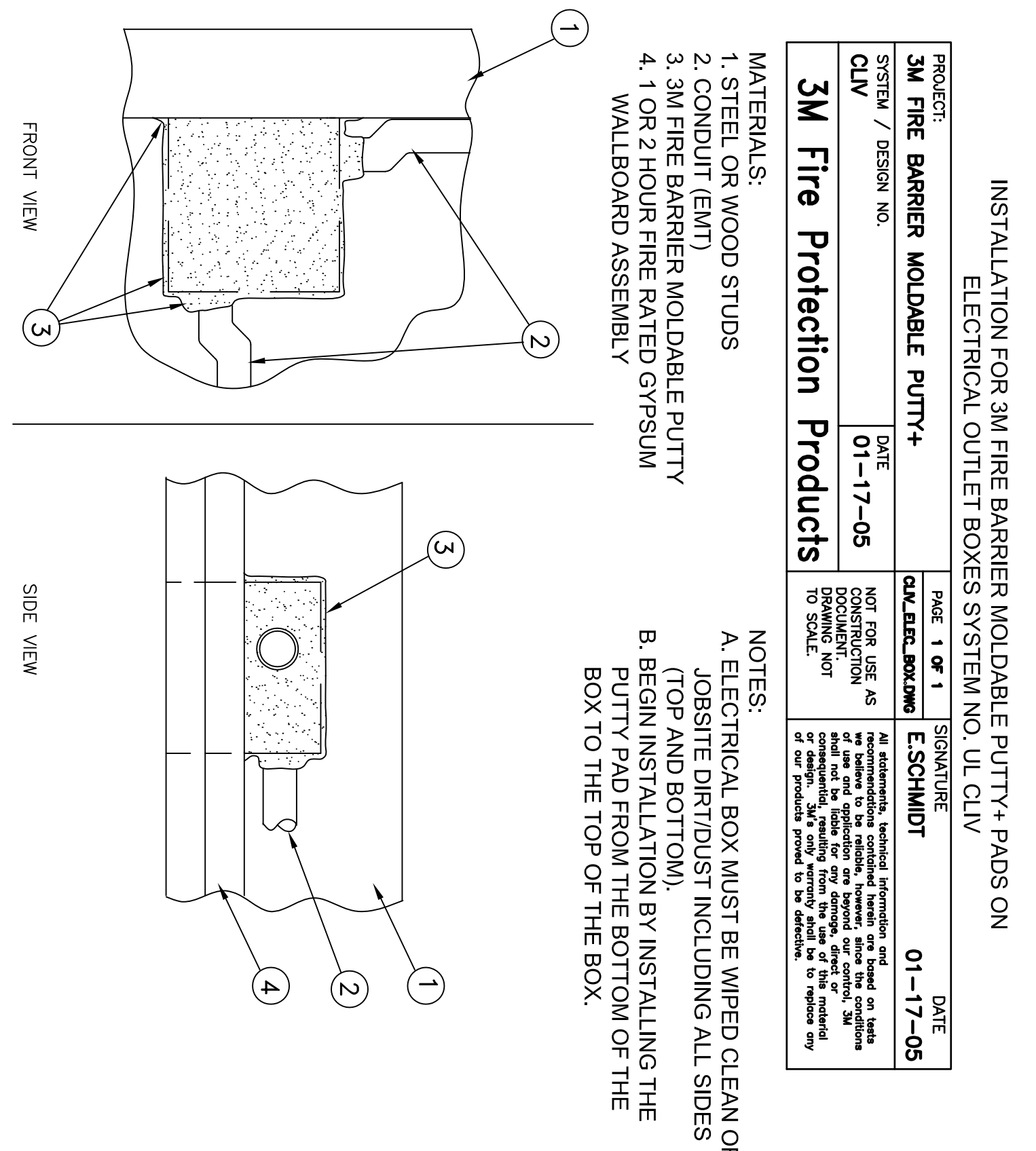
FENTRESS
ARCHITECTS

 **HENSEL PHELPS**
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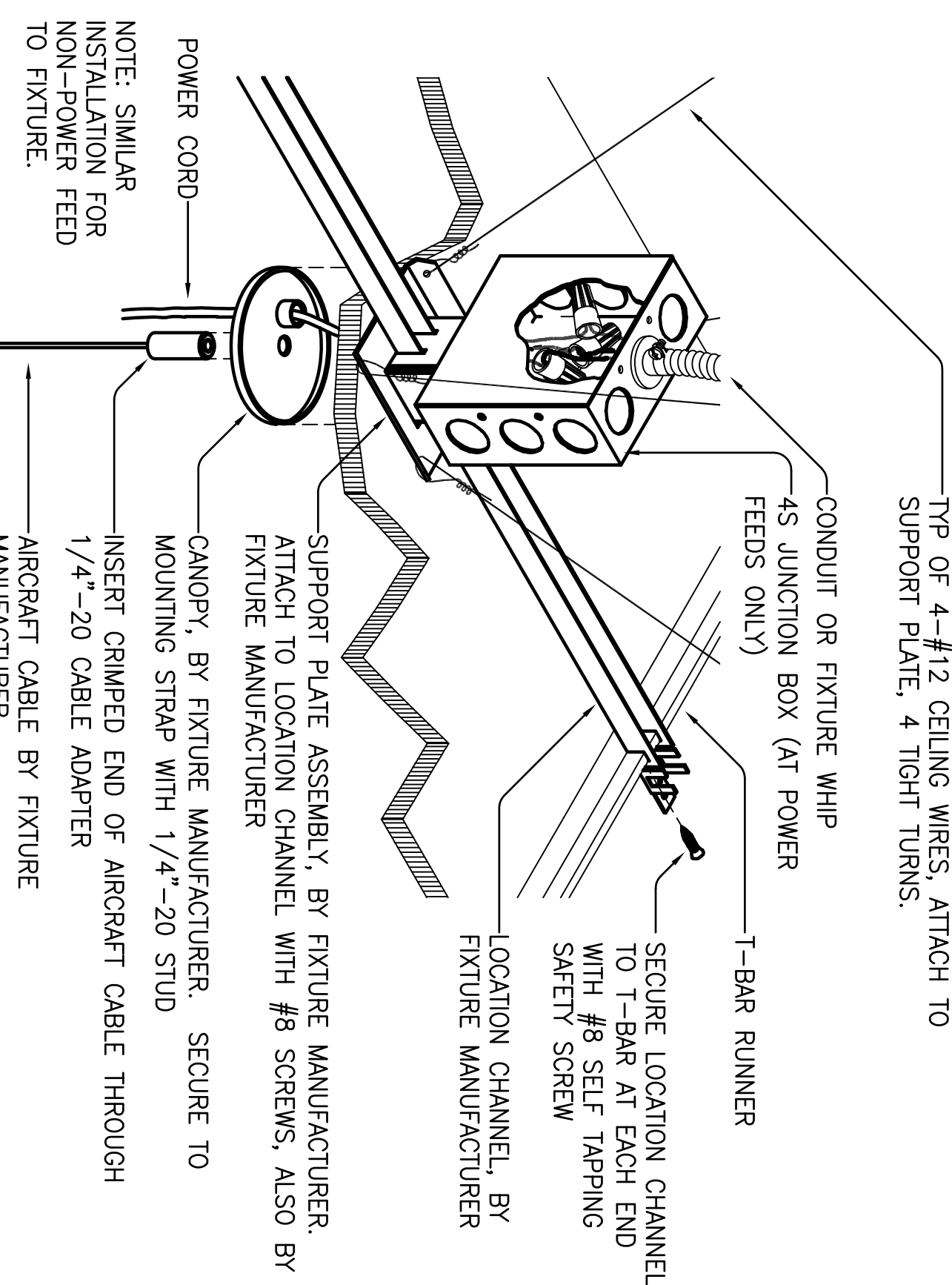
COPYRIGHT ©
FENTRESS ARCHITECTS



System No. W.L.-1304
 Readings: -1 and 2 Hr (See Item 1)
 1 Rating: - 0 Hr
 at Ambient - Less than 1 CFMSQ Ft
 at 400° F. - Less than 1 CFMSQ Ft

[illegible]

D PENETRATION DETAIL - CLIV



EVERY 8'-0" INSTALLATION SHALL MEET REQUIREMENTS OF SECTION 16144.12 OF THE CALIFORNIA BUILDING CODE (CBC), AND DSA IR 16.9. PROVIDE THIS SUPPORT AT ALL FIXTURES WHICH CANNOT SWING 45 DEGREES FREELY.

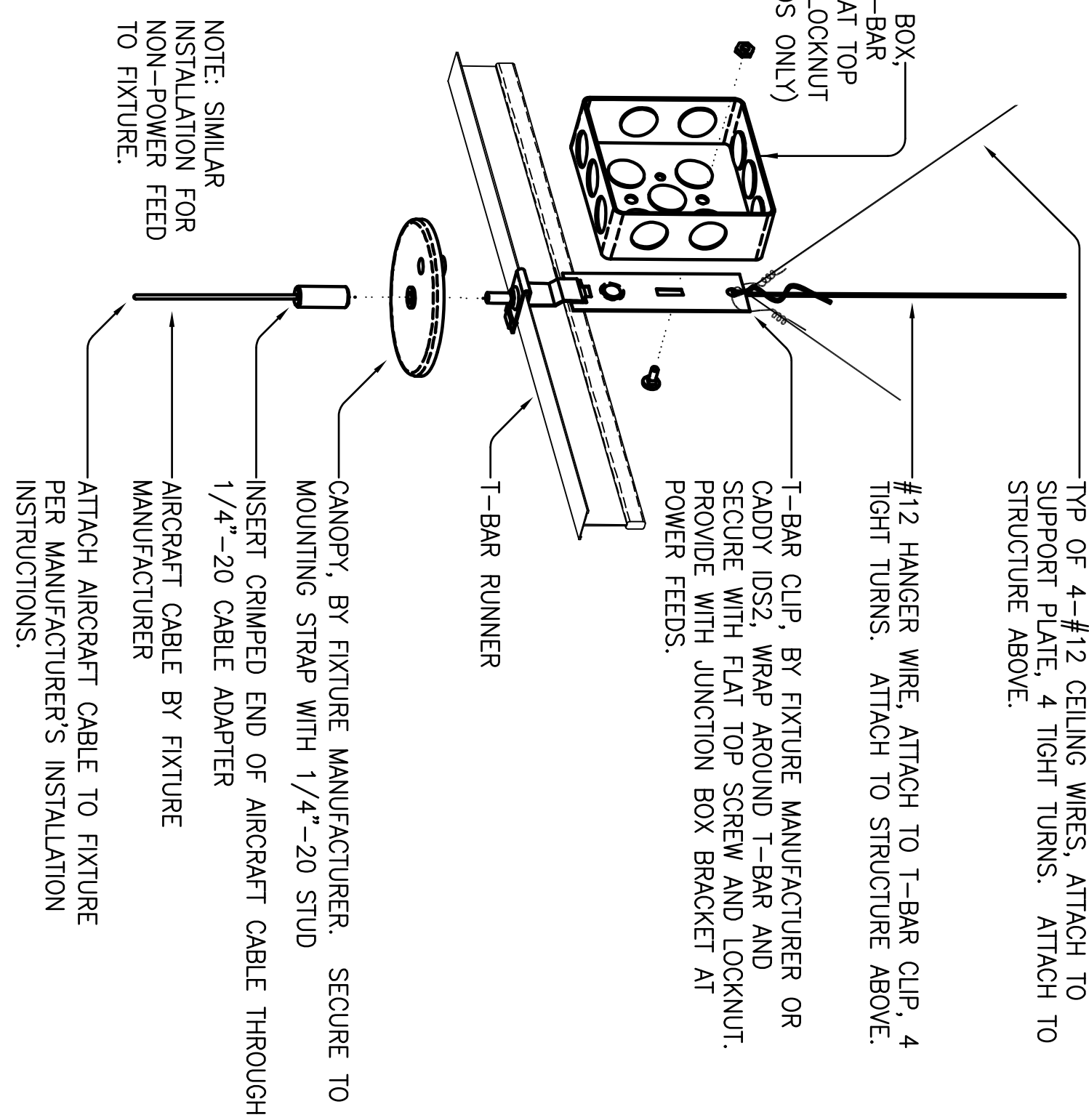
SUSPENDED FIXTURE INSTALLATION – ATTACHMENT AT FIXTURE

F
E600F

PENDANT HUNG LIGHT FIXTURE

(N.T.S.)

SUSPENDED FIXTURE INSTALLATION AT T-BAR CEILING, BETWEEN T-BAR RUNNERS



NOTE: SIMILAR
INSTALLATION FOR
NON-POWER FEED
TO FIXTURE.

1/4-20 CABLE ADAPTER

AIRCRAFT CABLE BY FUTURE
MANUFACTURER

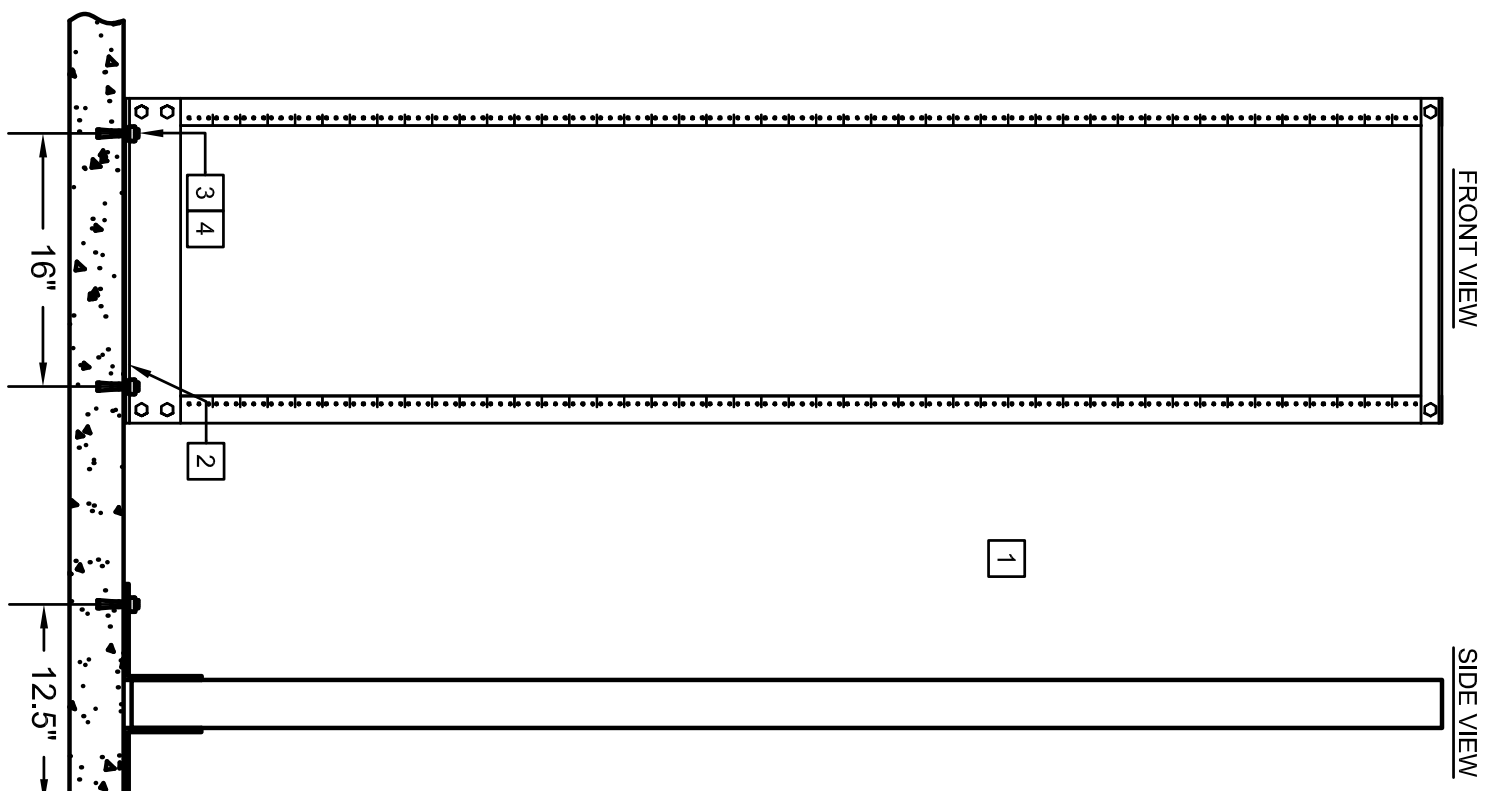
ATTACH AIRCRAFT CABLE TO FUTURE
PER MANUFACTURER'S INSTALLATION
INSTRUCTIONS.

SUSPENDED FIXTURE INSTALLATION AT T-BAR CEILING, ON T-BAR RUNNER

EAST COUNTY HALL OF JUSTICE

Courts Building - 5151 Gleason Dr.
County Building - 5149 Gleason Dr.
Dublin, CA 94568

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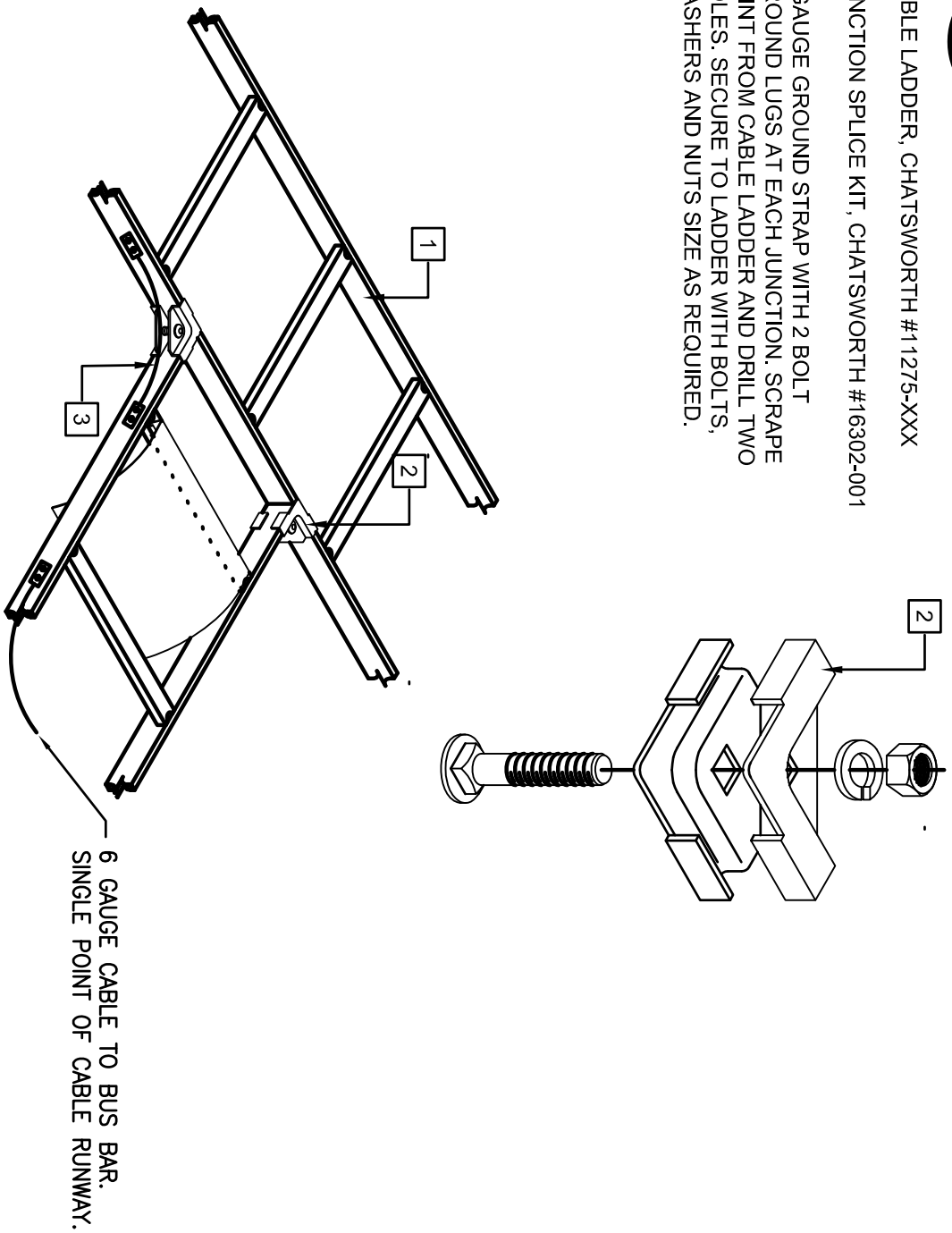


A EQUIPMENT RACK BASE SUPPORT

E6006 SCALENTS

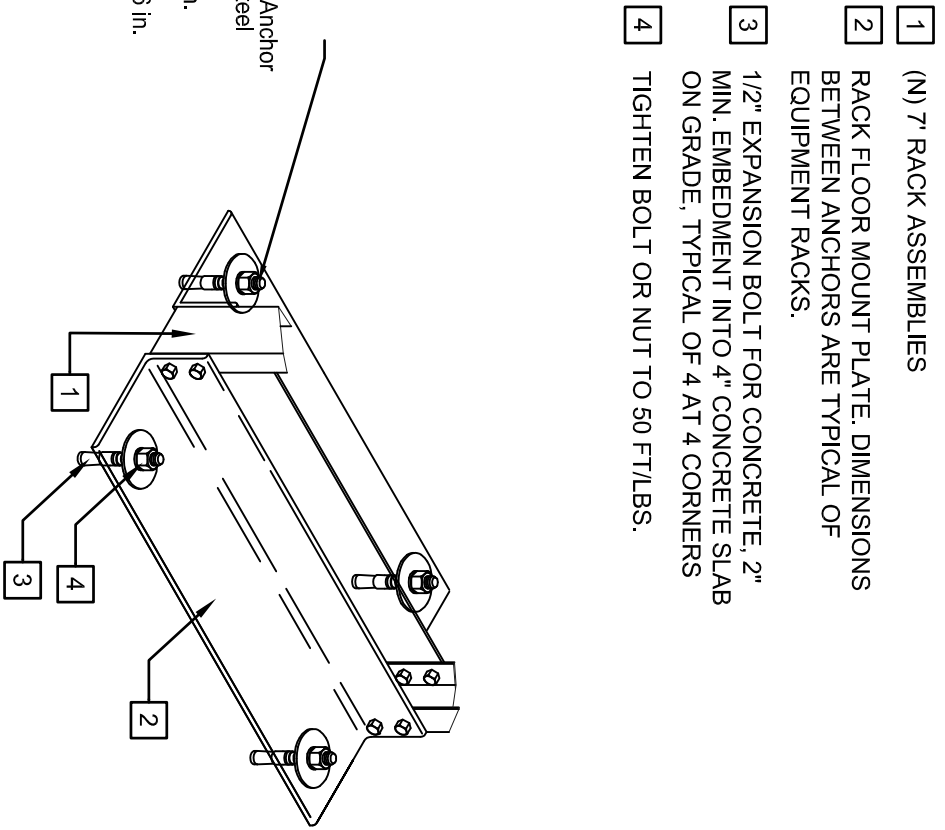
- 1 CABLE LADDER, CHAITSWORTH #11725-XXX
- 2 JUNCTION SPACE KIT, CHAITSWORTH #18502-001
- 3 6 GAUGE GROUND STRAP WITH 2 BOLT

GROUND LUGS AT EACH JUNCTION. SCREW HOLES SECURE TO LADDER WITH BOLTS. WASHERS AND NUTS SIZE AS REQUIRED.

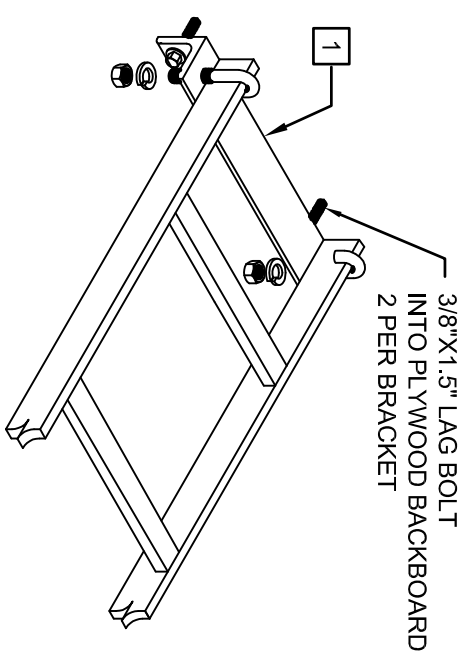


D CABLE LADDER JUNCTION KIT

E6006 SCALENTS

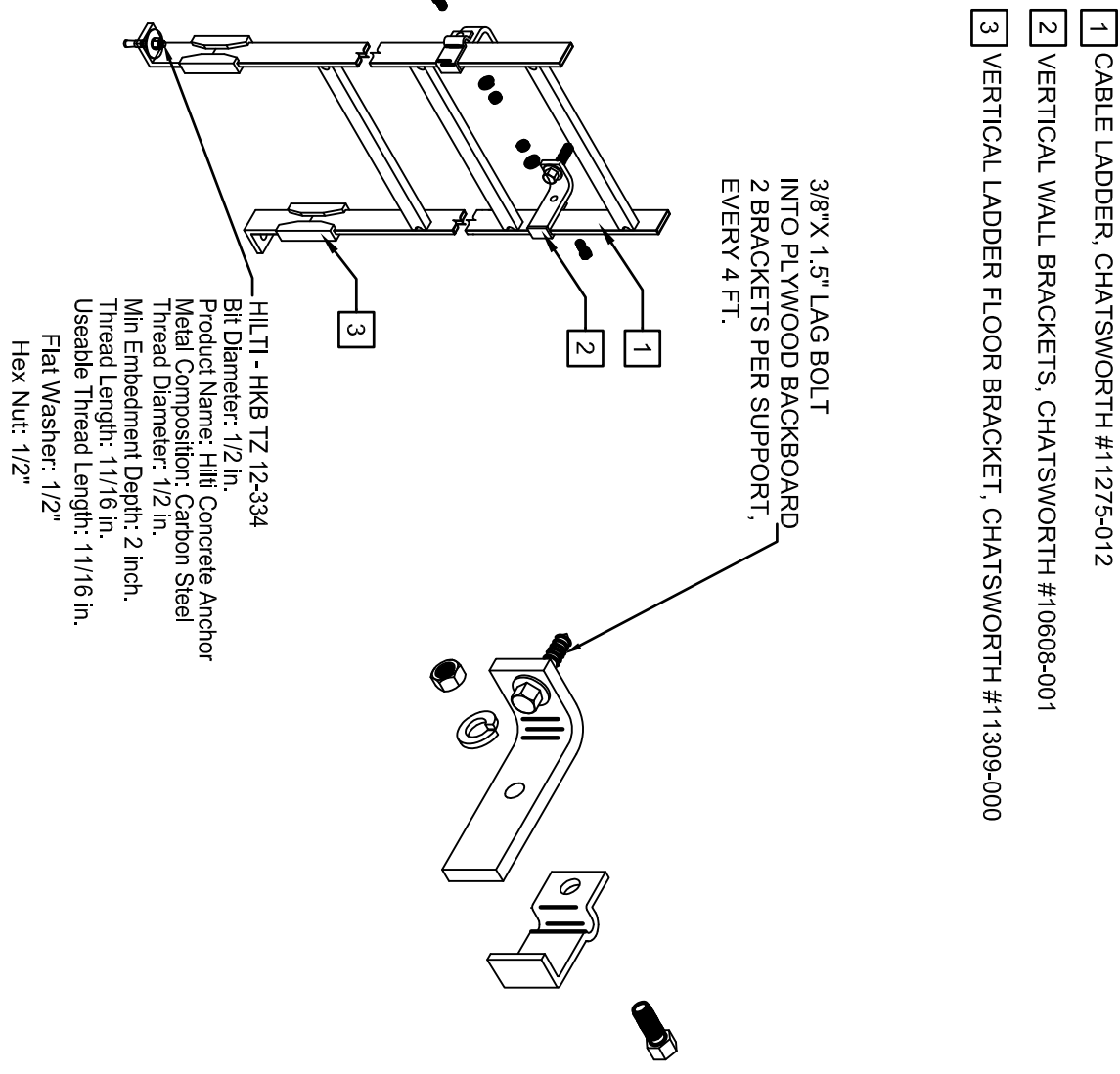


- 1 WALL ANGLE SUPPORT KIT, CHAITSWORTH #11421-112



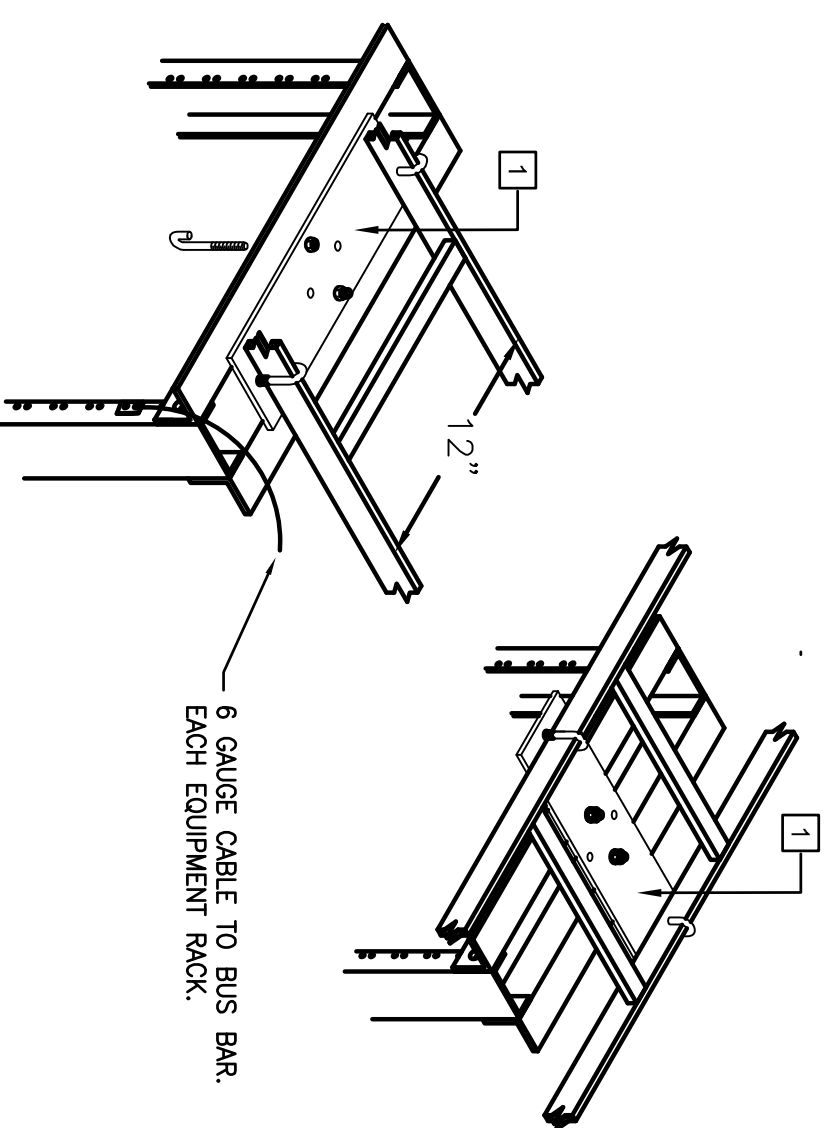
E CABLE LADDER END SUPPORT BRACKET

E6006 SCALENTS



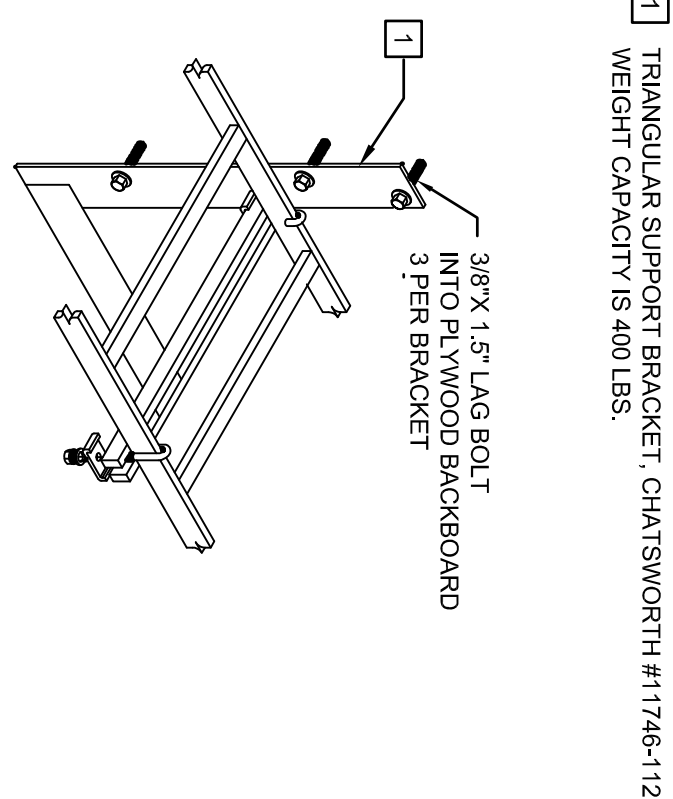
B VERTICAL LADDER SUPPORT

E6006 SCALENTS



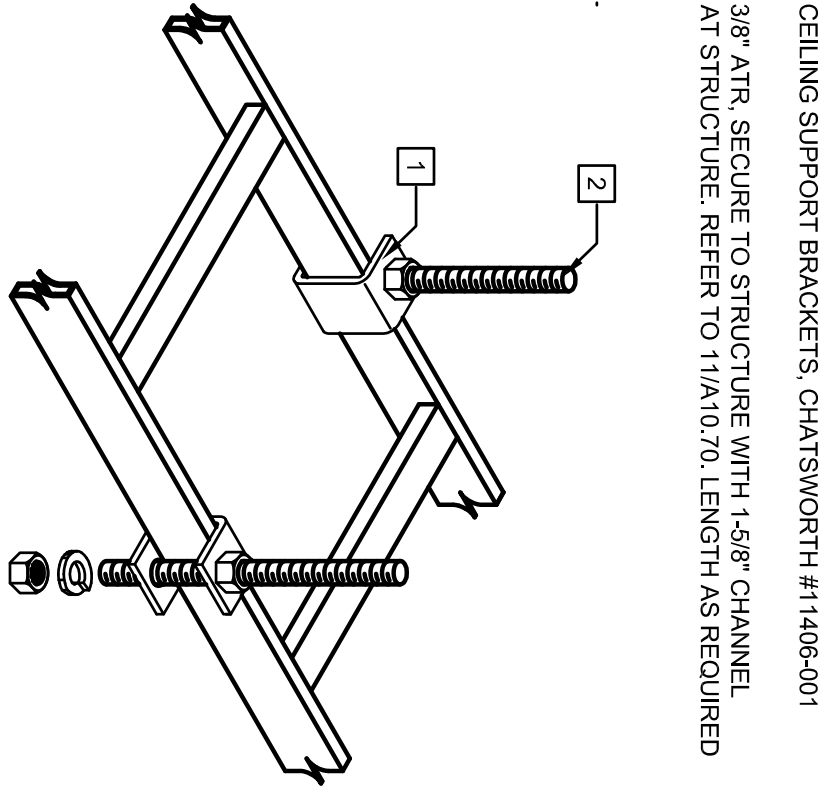
F CABLE LADDER TO RACK SUPPORT

E6006 SCALENTS



C ANGLE WALL SUPPORT

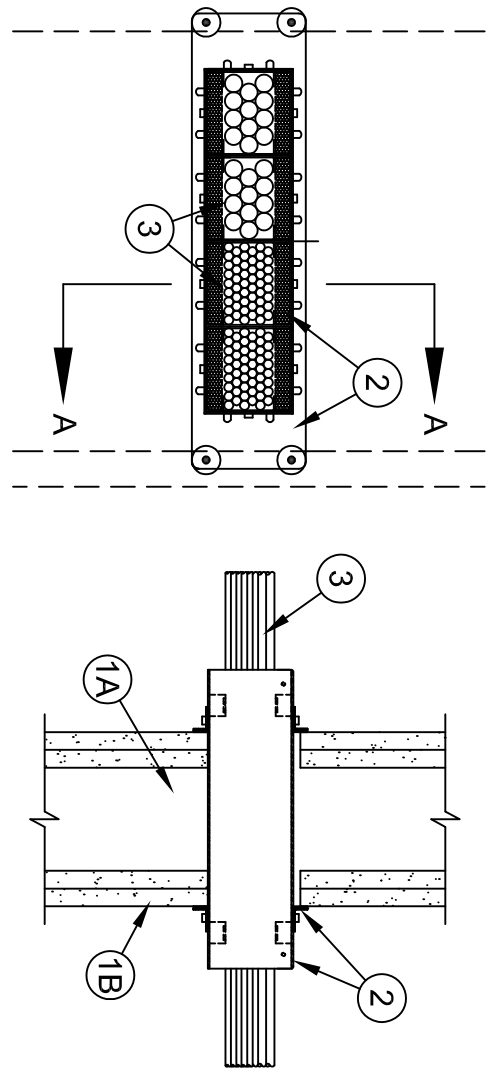
E6006 SCALENTS



G CABLE LADDER CEILING SUPPORT

E6006 SCALENTS

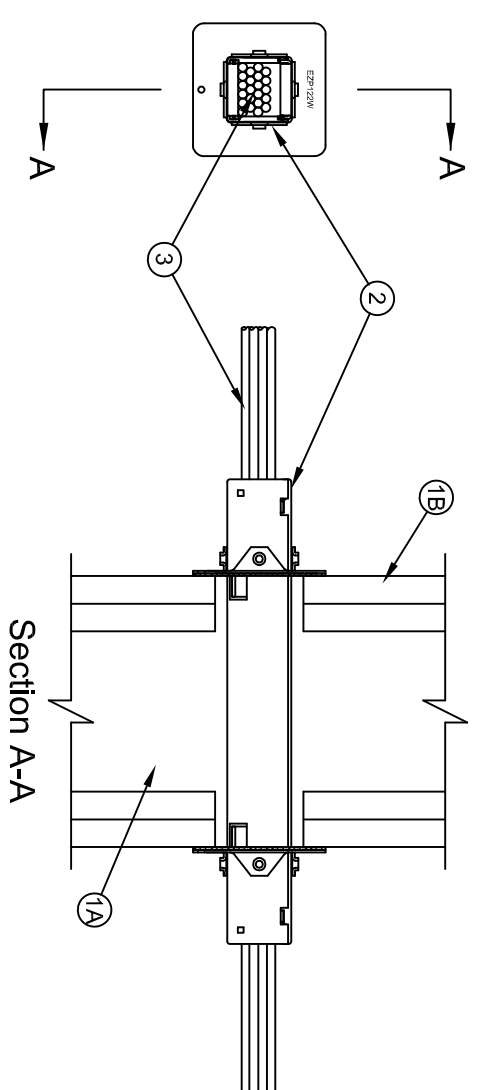
1. **Wall Assembly** - The 1/2 or 3/4 in. fire-rated gypsum board wall assembly shall be constructed of the materials and in the manner described within the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:
 - A. **Studs** - Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nominal 2 by 4 in. (51 mm) lumber spaced max. 16 in. (406 mm) OC. Steel studs to be min. 3-1/2 in. (89 mm) wide and spaced max. 24 in. (610 mm) OC.
 - B. **Gypsum Board** - Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. Opening in gypsum board to be max. 14 in. (355 mm) larger than width and height dimensions of freestop device(s).
2. **Freestop Device** - One freestop device module consisting of a 1/4 in. (6.35 mm) by 1/4 in. (6.35 mm) by 20 in. (508 mm) long galv steel plate installed in accordance with the accompanying installation instructions. The space between the freestop device module(s) and the periphery of the opening shall be min. 0 in. (0 mm) port contact to max. 16 in. (406 mm) in round or 12 in. (305 mm) in square. Freestop device module(s) located in place by means of steel wall plates installed with predrilled material supplied with product. Steel wall plates installed on both sides of wall and secured to each device by means of steel set screws to extend through the gypsum board layers and penetrate 1/2 in. (13 mm) into the framing member. Each freestop device module is to be installed with ends projecting an equal distance beyond each surface of the wall assembly.



Section A-A

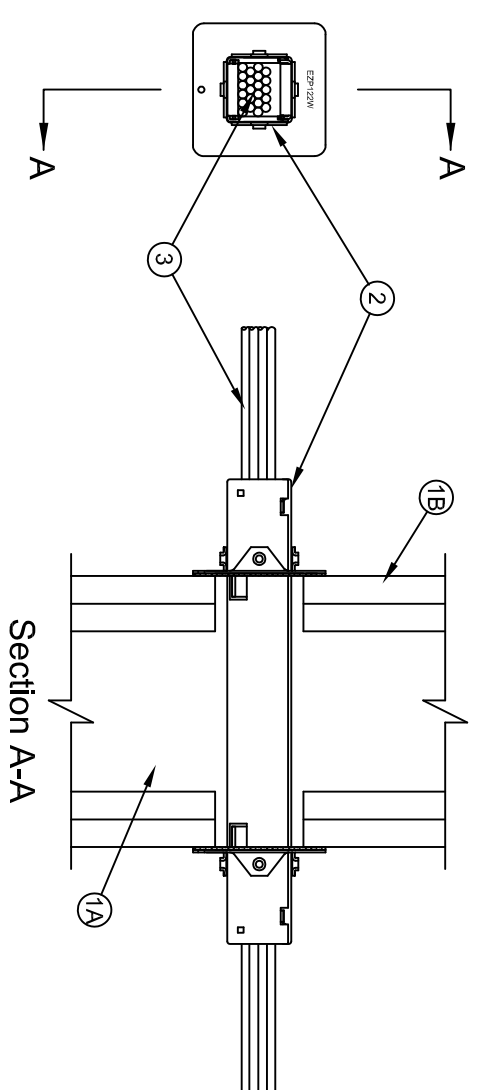
- 2A. **Freestop Device** - One freestop device module consisting of a 1/4 in. (6.35 mm) by 1/4 in. (6.35 mm) by 20 in. (508 mm) long galv steel plate installed in accordance with the accompanying installation instructions. The space between the freestop device module(s) and the periphery of the opening shall be min. 0 in. (0 mm) port contact to max. 16 in. (406 mm) in round or 12 in. (305 mm) in square. Freestop device module(s) located in place by means of steel wall plates installed with predrilled material supplied with product. Steel wall plates installed on both sides of wall and secured to each device by means of steel set screws to extend through the gypsum board layers and penetrate 1/2 in. (13 mm) into the framing member. Each freestop device module is to be installed with ends projecting an equal distance beyond each surface of the wall assembly.
3. **Cables** - Within the loading area for each freestop device module, the cables may represent a 0 to 100 percent visual fill. Cable fill to be distributed at a uniform height across the width of the freestop device module. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types of cables may be used:
 - A. and insulation.
 - B. Max. 350 kcmil single conductor power cable with XLPE jacket and insulation.
 - C. Max. 7/0 Cu No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
 - D. Max. 3/0 Cu No. 10 AWG metal clad or armored cable with steel or aluminum jacket.
 - E. Max. 3/0 Cu No. 8 AWG NM cable (Romex) with PVC insulation and jacket.
 - F. Max. four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.
 - G. Max. four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.
 - H. **Cable Tray** - Cable tray with PVC or polypropylene (PP) jacket and insulation having a max. clear of 150 in. (3810 mm) and a max. depth of 18 in. (457 mm).
 - I. **Cable Tray** - Cable tray with PVC or polypropylene (PP) jacket and insulation having a max. clear of 150 in. (3810 mm) and a max. depth of 18 in. (457 mm).

1. **Wall Assembly** - The 1/2 or 3/4 in. fire-rated gypsum board wall assembly shall be constructed of the materials and in the manner described within the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:
 - A. **Studs** - Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nominal 2 by 4 in. (51 mm) lumber spaced max. 16 in. (406 mm) OC. Steel studs to be min. 3-1/2 in. (89 mm) wide and spaced max. 24 in. (610 mm) OC.
 - B. **Gypsum Board** - Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. Opening in gypsum board to be max. 2 in. (51 mm) larger than width and height dimensions of freestop device(s).
2. **Freestop Device** - One freestop device module consisting of a 1/4 in. (6.35 mm) by 1/4 in. (6.35 mm) by 20 in. (508 mm) long galv steel plate installed in accordance with the accompanying installation instructions. The space between the freestop device module(s) and the periphery of the opening shall be min. 0 in. (0 mm) port contact to max. 16 in. (406 mm) in round or 12 in. (305 mm) in square. Freestop device module(s) located in place by means of steel wall plates installed with predrilled material supplied with product. Steel wall plates installed on both sides of wall and secured to each device by means of steel set screws to extend through the gypsum board layers and penetrate 1/2 in. (13 mm) into the framing member. Each freestop device module is to be installed with ends projecting an equal distance beyond each surface of the wall assembly.
3. **Cables** - Within the loading area for each freestop device module, the cables may represent a 0 to 100 percent visual fill. Cable fill to be distributed at a uniform height across the width of the freestop device module. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types of cables may be used:
 - A. Max. four pair No. 22 AWG (or smaller) copper conductor data cable with polyvinyl chloride (PVC) or plenum rated jacketing and insulation.
 - B. Max. four pair No. 22 AWG (or smaller) copper conductor data cable with polyvinyl chloride (PVC) or plenum rated jacketing and insulation.
 - C. Max. four pair No. 22 AWG (or smaller) copper conductor data cable with polyvinyl chloride (PVC) or plenum rated jacketing and insulation.



Section A-A

1. **Wall Assembly** - The 1/2 or 3/4 in. fire-rated gypsum board wall assembly shall be constructed of the materials and in the manner described within the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:
 - A. **Studs** - Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nominal 2 by 4 in. (51 mm) lumber spaced max. 16 in. (406 mm) OC. Steel studs to be min. 3-1/2 in. (89 mm) wide and spaced max. 24 in. (610 mm) OC.
 - B. **Gypsum Board** - Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. Opening in gypsum board to be max. 2 in. (51 mm) larger than width and height dimensions of freestop device(s).
2. **Freestop Device** - One freestop device module consisting of a 1/4 in. (6.35 mm) by 1/4 in. (6.35 mm) by 20 in. (508 mm) long galv steel plate installed in accordance with the accompanying installation instructions. The space between the freestop device module(s) and the periphery of the opening shall be min. 0 in. (0 mm) port contact to max. 16 in. (406 mm) in round or 12 in. (305 mm) in square. Freestop device module(s) located in place by means of steel wall plates installed with predrilled material supplied with product. Steel wall plates installed on both sides of wall and secured to each device by means of steel set screws to extend through the gypsum board layers and penetrate 1/2 in. (13 mm) into the framing member. Each freestop device module is to be installed with ends projecting an equal distance beyond each surface of the wall assembly.
3. **Cables** - Within the loading area for each freestop device module, the cables may represent a 0 to 100 percent visual fill. Cable fill to be distributed at a uniform height across the width of the freestop device module. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types of cables may be used:
 - A. Max. four pair No. 22 AWG (or smaller) copper conductor data cable with polyvinyl chloride (PVC) or plenum rated jacketing and insulation.
 - B. Max. four pair No. 22 AWG (or smaller) copper conductor data cable with polyvinyl chloride (PVC) or plenum rated jacketing and insulation.
 - C. Max. four pair No. 22 AWG (or smaller) copper conductor data cable with polyvinyl chloride (PVC) or plenum rated jacketing and insulation.



Section A-A

NO.	ISSUED FOR	DATE
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85	500-CD	02/07/2015
86	500-CD	02/07/2015
87	500-CD	02/07/2015
88	500-CD	02/07/2015
89	500-CD	02/07/2015
90	500-CD	02/07/2015
91	500-CD	02/07/2015
92	500-CD	02/07/2015
93	500-CD	02/07/2015
94	500-CD	02/07/2015
95	500-CD	02/07/2015
96	500-CD	02/07/2015
97	500-CD	02/07/2015
98	500-CD	02/07/2015
99	500-CD	02/07/2015
100	500-CD	02/07/2015

EAST COUNTY HALL OF JUSTICE

Courts Building - 5151 Gleason Dr.
County Building - 5149 Gleason Dr.
Dublin, CA 94568

CONSULTANT
The Engineering Enterprise
Consulting Engineers
1305 SAKURA VILLAGE DRIVE # 100
ALAMEDA, CA 94601-1122
(415) 769-1900
JOB #140095

McGraw-Hill Construction
1221 Avenue of the Americas
New York, NY 10020-1095
Tel: (212) 512-2000
Fax: (212) 512-2001
www.mhfi.com

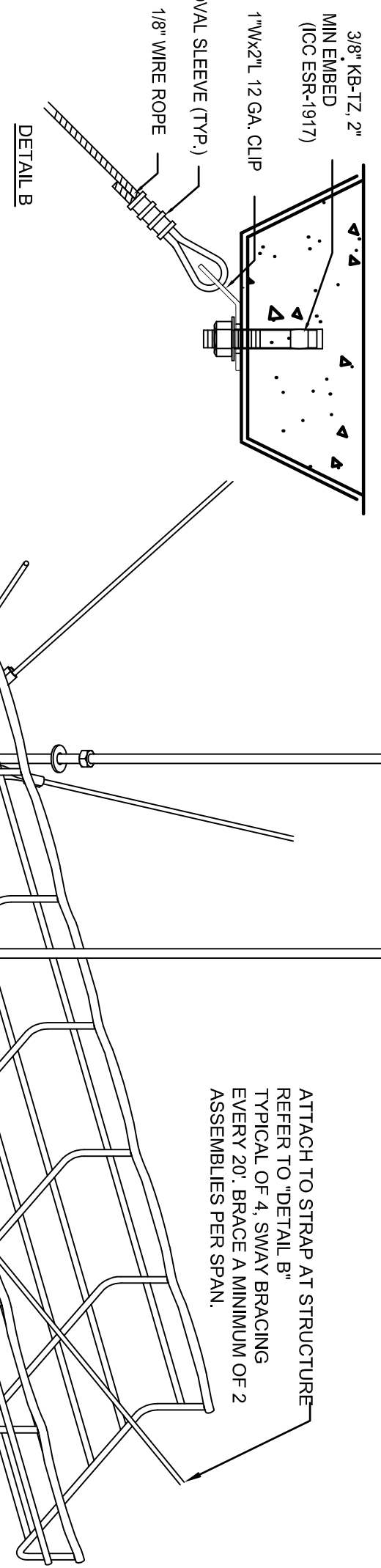
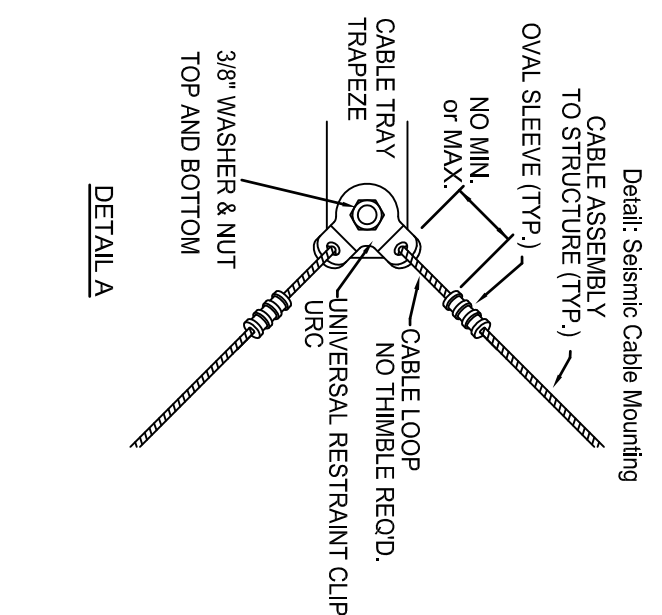
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FENTRESS ARCHITECTS

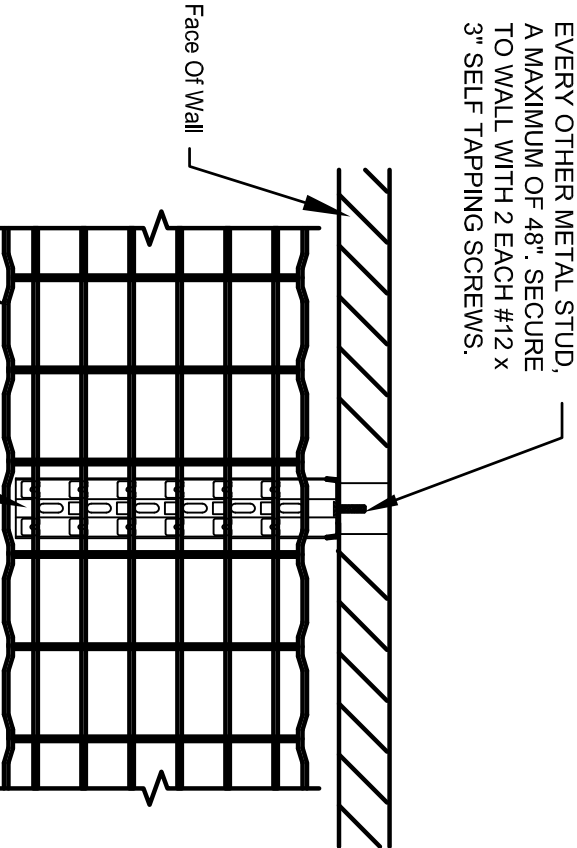
E6006

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A CABLE TRAY SEISMIC BRACING

E6007 SCALENTS

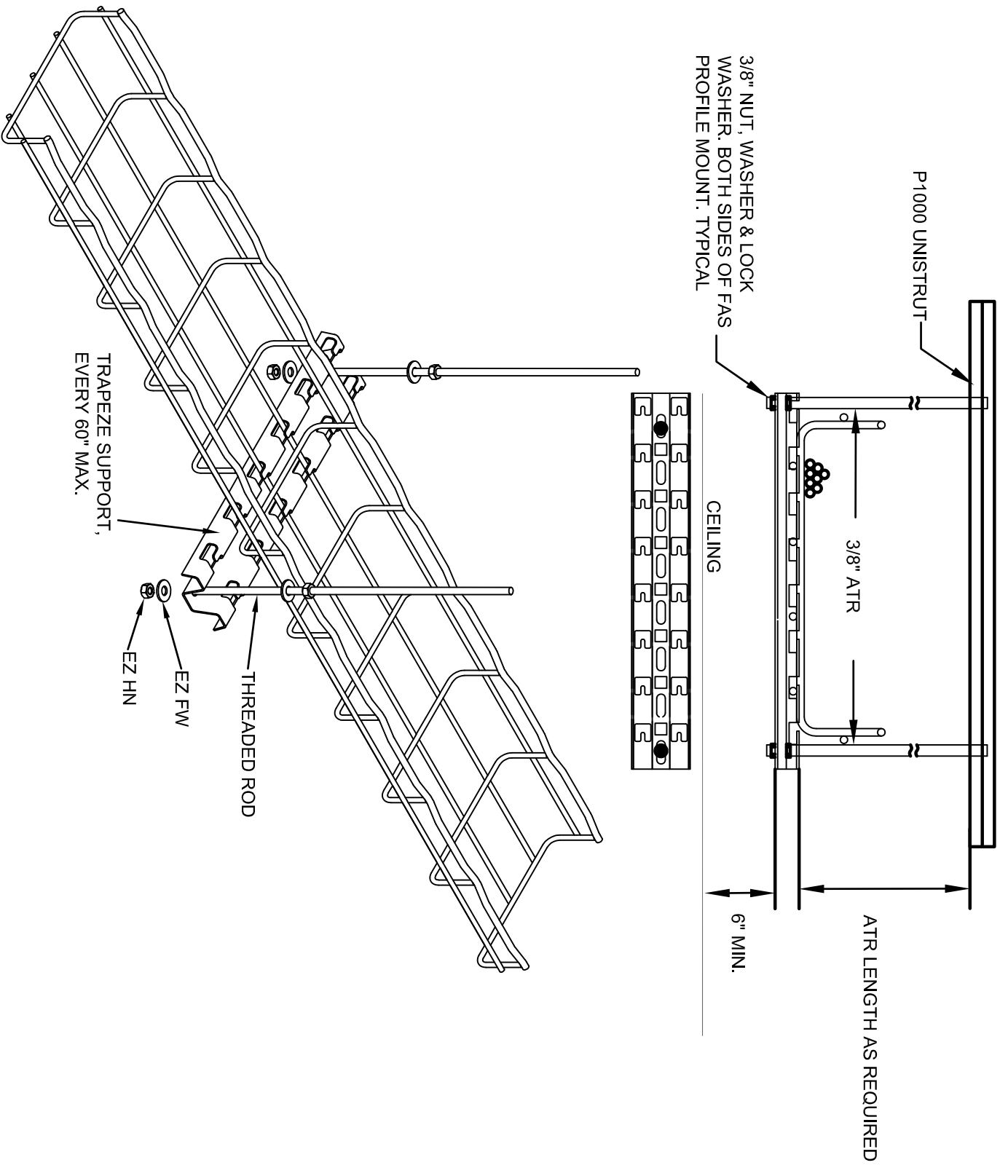


NOTE: Catalogs of FAS Universal Brackets are for 12" AND 18" sizes shown in table below, refer to the end of each catalog for details for dimensional information.

Part Number:	Description:	Height 1/2"	Length 1/2"	Safety Load lb
FAS U-200	22" FAS Universal Bracket	5.5"	22"	330
FAS U-300	14" FAS Universal Bracket	5.5"	14"	176

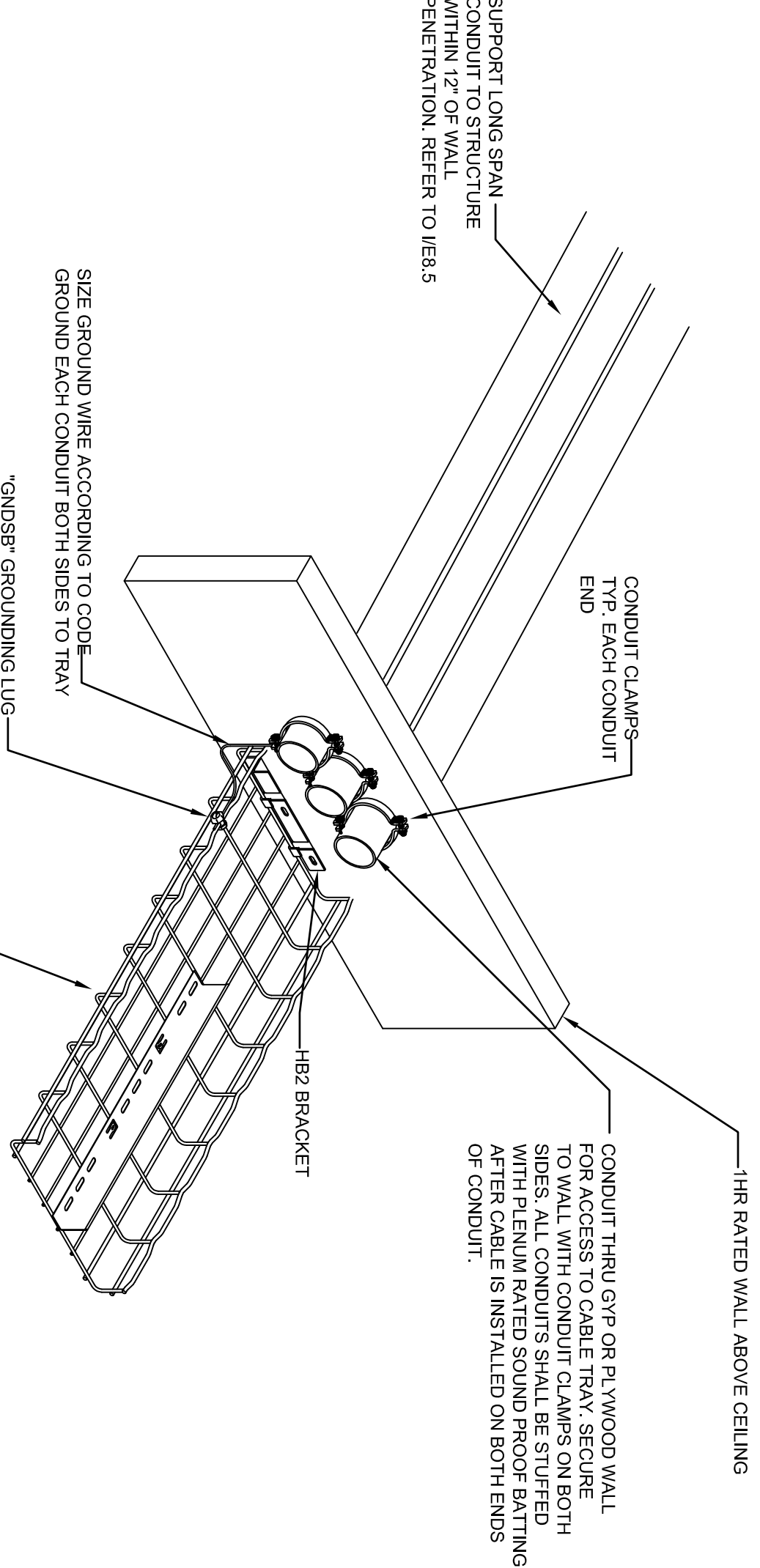
B CABLE TRAY WALL BRACE

E6007 SCALENTS



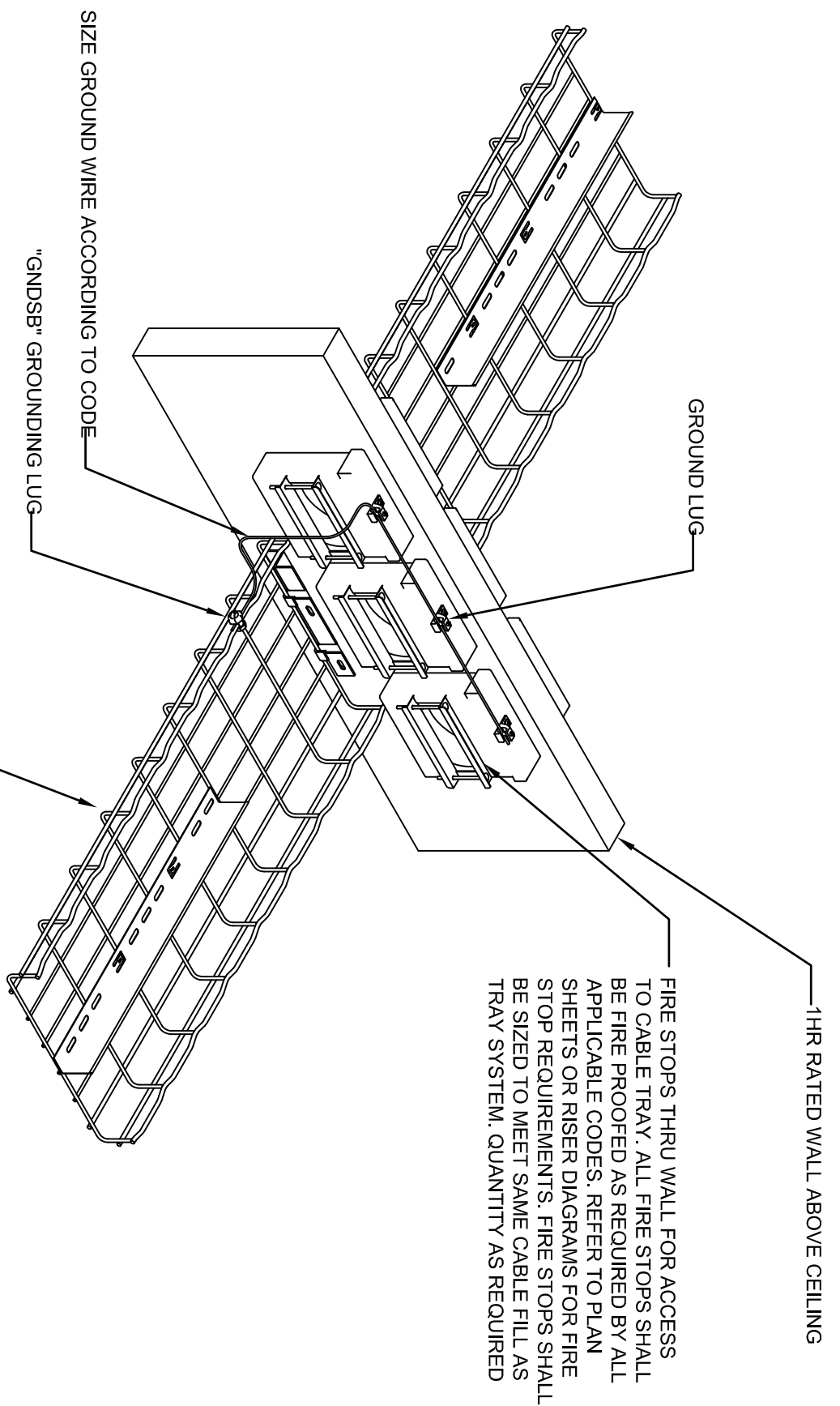
C CABLE TRAY TRAPEZE SUPPORT

E6007 SCALENTS



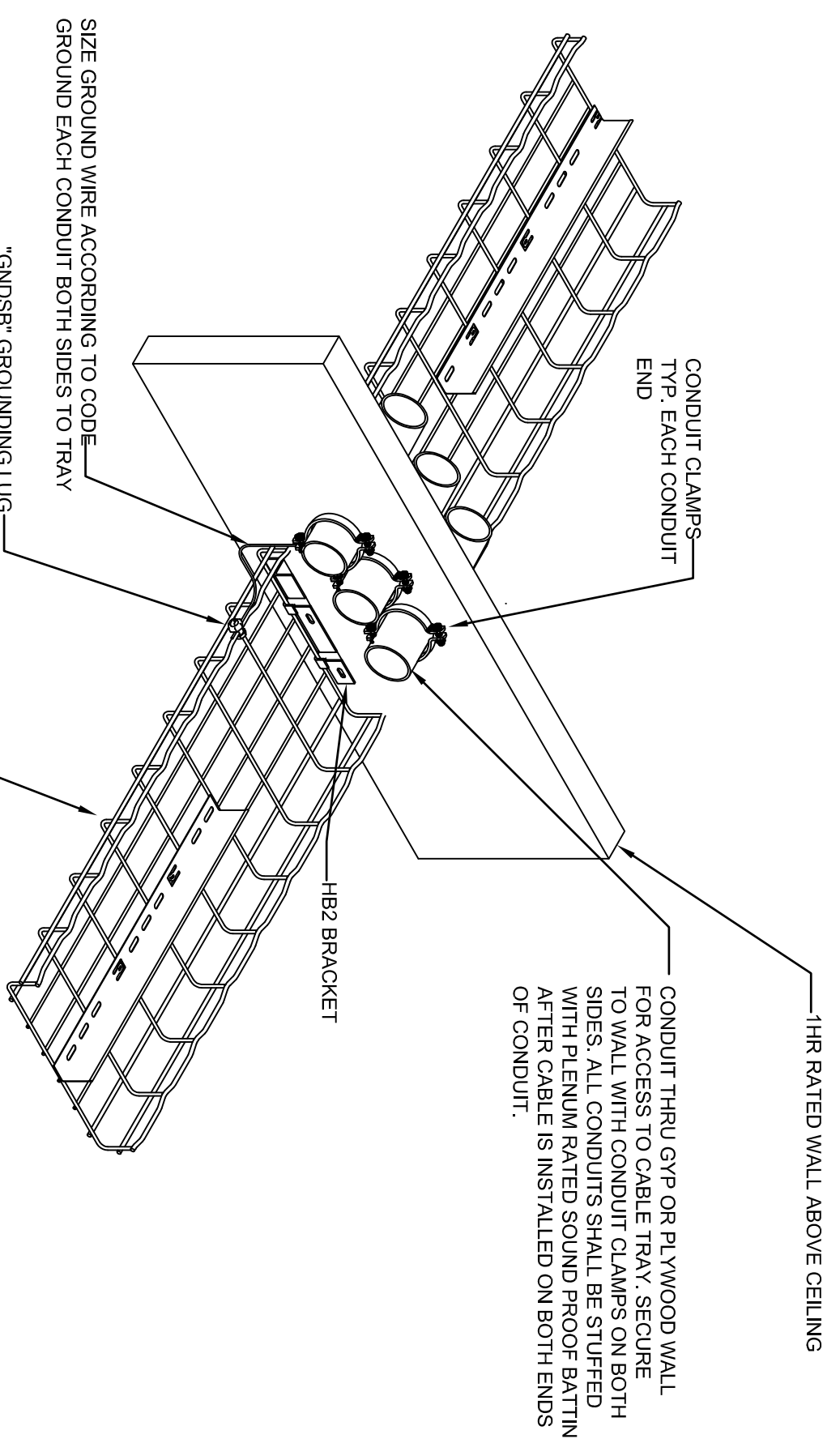
D CONDUIT AT CABLE TRAY

E6007 SCALENTS



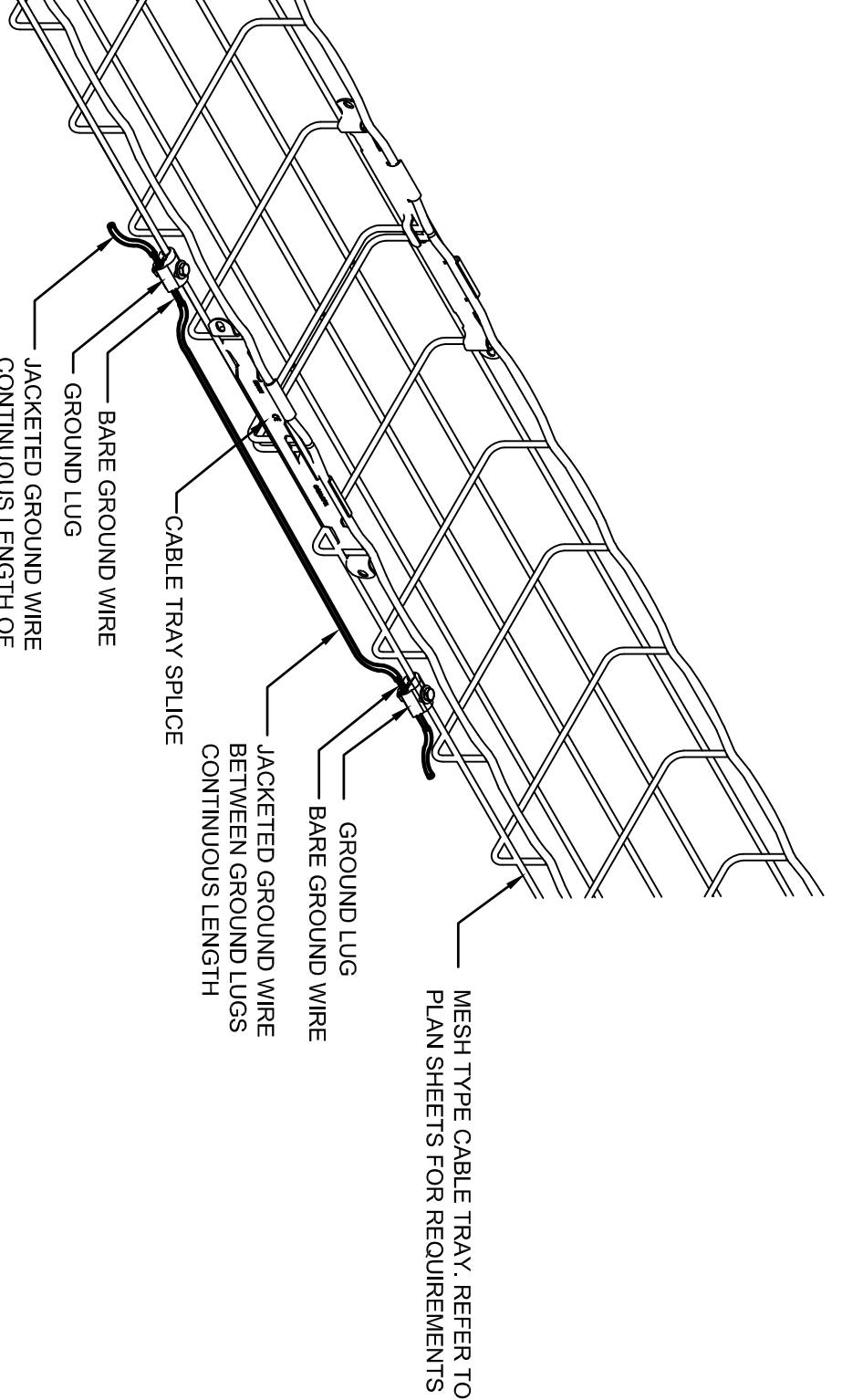
E CABLE TRAY AT FIRE RATED WALL

E6007 SCALENTS



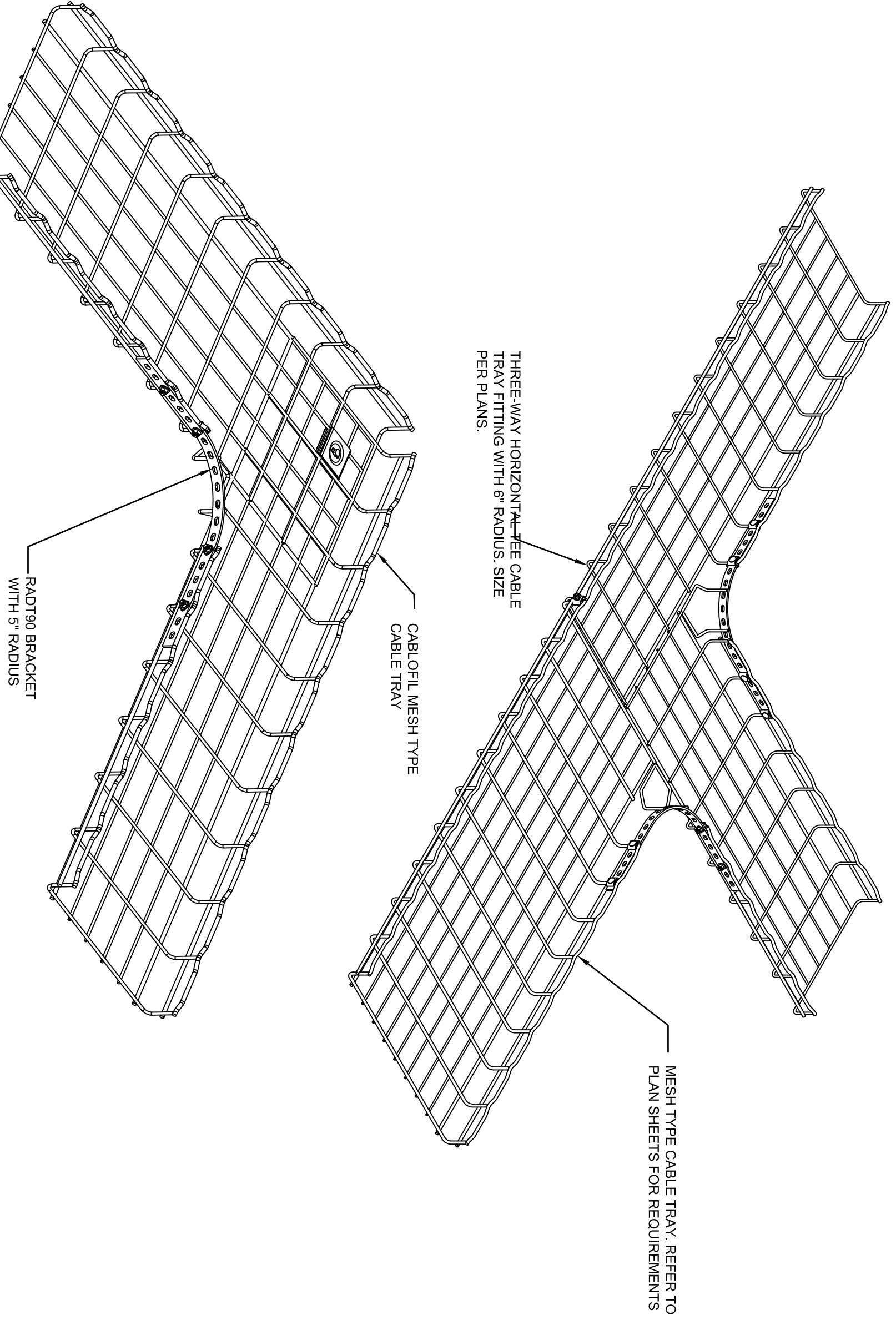
F CABLE TRAY AT NON RATED WALL

E6007 SCALENTS



G GROUNDING AT CABLE TRAY

E6007 SCALENTS



H CABLE TRAY TEE AND RIGHT ANGLE SECTIONS

E6007 SCALENTS

NOTES:

- INSTALL APPROPRIATE SIZE AND QUANTITY SUPPORT WALL BRACKETS AND TRAPEZE SUPPORTS FOR CABLES TO BE SUPPORTED + 30% EXPANSION.
- USE MANUFACTURER'S RECOMMENDED MOUNTING HARDWARE, APPROPRIATE FOR ATTACHING TO CEILING STRUCTURES.
- CEILING TILE TEE GRID, DROP WIRES AND HANG EQUIPMENT SHALL NOT BE USED AS MOUNTING POINTS.

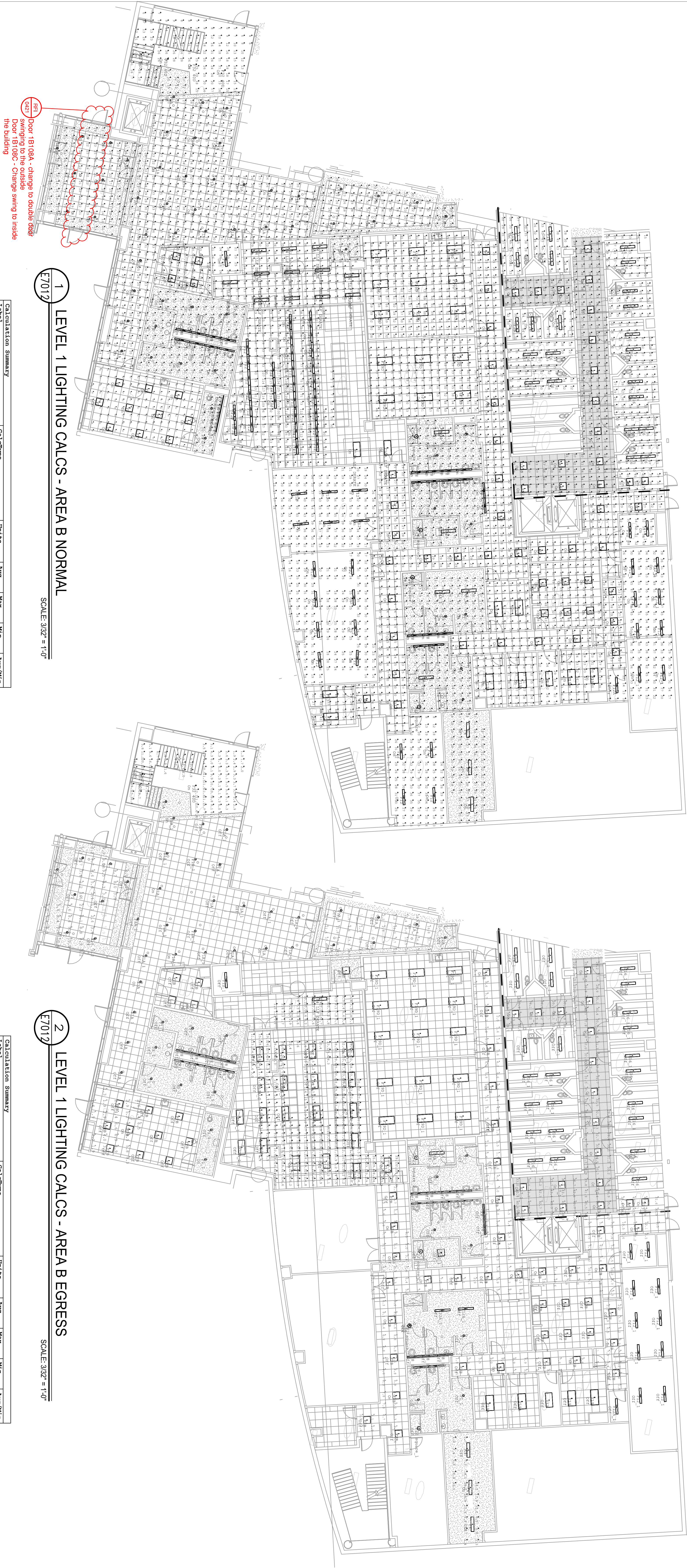
Load Capacities for CableTray Support Methods

Please keep in mind that the safety loads shown are in **lb**, in order to convert to kilograms and then to pounds.

(to convert to pounds) 1 kg = 2.2 lb

CableTray, Inc. Catalog	SWL (lb)	SWL (kg)
Category	No. Part	(lb)
Support Systems	CS 100	67
	CS 200	134
	CS 300	201
	CS 400	268
	CS 500	335
	CS 600	402
	CS 700	469
	CS 800	536
	CS 900	603
	CS 1000	670
	CS 1100	737
	CS 1200	804
	CS 1300	871
	CS 1400	938
	CS 1500	1005
	CS 1600	1072
	CS 1700	1139
	CS 1800	1206
	CS 1900	1273
	CS 2000	1340
	CS 2100	1407
	CS 2200	1474
	CS 2300	1541
	CS 2400	1608
	CS 2500	1675
	CS 2600	1742
	CS 2700	1809
	CS 2800	1876
	CS 2900	1943
	CS 3000	2010
	CS 3100	2077
	CS 3200	2144
	CS 3300	2211
	CS 3400	2278
	CS 3500	2345
	CS 3600	2412
	CS 3700	2479
	CS 3800	2546
	CS 3900	2613
	CS 4000	2680
	CS 4100	2747
	CS 4200	2814
	CS 4300	2881
	CS 4400	2948
	CS 4500	3015
	CS 4600	3082
	CS 4700	3149
	CS 4800	3216
	CS 4900	3283
	CS 5000	3350
	CS 5100	3417
	CS 5200	3484
	CS 5300	3551
	CS 5400	3618
	CS 5500	3685
	CS 5600	3752
	CS 5700	3819
	CS 5800	3886
	CS 5900	3953
	CS 6000	4020
	CS 6100	4087
	CS 6200	4154
	CS 6300	4221
	CS 6400	4288
	CS 6500	4355
	CS 6600	4422
	CS 6700	4489
	CS 6800	4556
	CS 6900	4623
	CS 7000	4690
	CS 7100	4757
	CS 7200	4824
	CS 7300	4891
	CS 7400	4958
	CS 7500	5025
	CS 7600	5092
	CS 7700	5159
	CS 7800	5226
	CS 7900	5293
	CS 8000	5360
	CS 8100	5427
	CS 8200	5494
	CS 8300	5561
	CS 8400	5628
	CS 8500	5695
	CS 8600	5762
	CS 8700	5829
	CS 8800	5896
	CS 8900	5963
	CS 9000	6030
	CS 9100	6097
	CS 9200	6164
	CS 9300	6231
	CS 9400	6298
	CS 9500	6365
	CS 9600	6432
	CS 9700	6499
	CS 9800	6566
	CS 9900	6633
	CS 10000	6700
	CS 10100	6767
	CS 10200	6834
	CS 10300	6901
	CS 10400	6968
	CS 10500	7035
	CS 10600	7102
	CS 10700	7169
	CS 10800	7236
	CS 10900	7303
	CS 11000	7370
	CS 11100	7437
	CS 11200	7504
	CS 11300	7571
	CS 11400	7638
	CS 11500	7705
	CS 11600	7772
	CS 11700	7839
	CS 11800	7906
	CS 11900	7973
	CS 12000	8040
	CS 12100	8107
	CS 12200	8174
	CS 12300	8241
	CS 12400	8308
	CS 12500	8375
	CS 12600	8442
	CS 12700	8509
	CS 12800	8576
	CS 12900	8643
	CS 13000	8710
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	CS 13200	8844
	CS 13300	8911
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	CS 13500	9045
	CS 13600	9112
	CS 13700	9179
	CS 13800	9246
	CS 13900	9313
	CS 14000	9380
	CS 14100	9447
	CS 14200	9514
	CS 14300	9581
	CS 14400	9648
	CS 14500	9715
	CS 14600	9782
	CS 14700	9849
	CS 14800	9916
	CS 14900	9983
	CS 15000	10050
	CS 15100	10117
	CS 15200	10184
	CS 15300	10251
	CS 15400	10318
	CS 15500	10385
	CS 15600	10452
	CS 15700	10519
	CS 15800	10586
	CS 15900	10653
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	CS 16100	10787
	CS 16200	10854
	CS 16300	10921
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	CS 19800	13266
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	CS 20100	13467
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	CS 22000	14740
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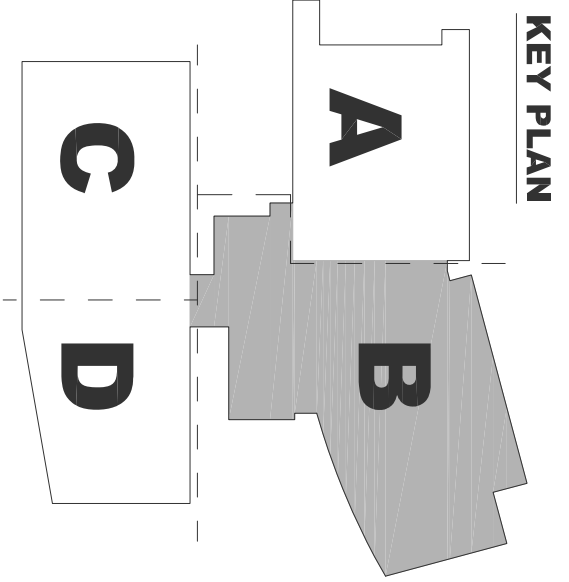


1 LEVEL 1 LIGHTING CALCS - AREA B NORMAL
SCALE 3/32" = 1'-0"

2 LEVEL 1 LIGHTING CALCS - AREA B EGRESS
SCALE 3/32" = 1'-0"

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
LABORATORY	11Illuminance	FC	71.82	125	0	N/A
CENTRAL DATA & MDP 1B175	11Illuminance	FC	50.93	66	20	2.55
CHILDREN'S WAITING 1B121	11Illuminance	FC	37.61	46	28	1.34
CIRC 1B134	11Illuminance	FC	22.60	26	16	1.41
CIRC 1B155-2	11Illuminance	FC	25.29	41	7	3.61
CIRC 1B155-1	11Illuminance	FC	24.31	29	14	1.74
CIRCULATION 1B118	11Illuminance	FC	41.20	54	20	2.06
CIRCULATION 1B165	11Illuminance	FC	24.10	35	13	1.85
CIRCULATION 1B168	11Illuminance	FC	24.89	29	21	1.18
CONF 1B144	11Illuminance	FC	36.45	54	19	1.92
CONF 1B167	11Illuminance	FC	26.14	36	9	2.79
ELEV ROOM 1B106	11Illuminance	FC	56.58	50	19	1.93
ELEV ROOM 1B113	11Illuminance	FC	53.06	65	41	1.29
EVIDENCE VIEW 1B171	11Illuminance	FC	33.29	41	26	1.28
EVIDENCE VIEW 1B172	11Illuminance	FC	35.79	46	22	1.57
HOLDING 1B126	11Illuminance	FC	51.95	66	34	1.53
HOLDING 1B127	11Illuminance	FC	50.43	64	32	1.58
HOLDING 1B137	11Illuminance	FC	33.68	53	17	1.98
HOLDING 1B138	11Illuminance	FC	39.47	54	24	1.63
HOLDING 1B141	11Illuminance	FC	35.10	55	8	4.39
HOLDING 1B143	11Illuminance	FC	15.98	28	4	4.00
LOBBY STAIR 1	11Illuminance	FC	23.73	43	7	3.39
LOBBY STAIR 1 2	11Illuminance	FC	56.67	54	16	2.29
LOBBY STAIR 1 3	11Illuminance	FC	40.68	57	17	2.39
LOCKER 1B145	11Illuminance	FC	22.90	28	14	1.64
MAIN ELECTRICAL EMERGENCY	11Illuminance	FC	22.38	45	5	4.48
MENS LOCKER 1B155	11Illuminance	FC	54.11	58	14	2.42
MENS RN 1B147	11Illuminance	FC	29.08	42	17	1.71
OFFICE 1B157	11Illuminance	FC	27.93	41	17	1.64
OFFICE 1B158	11Illuminance	FC	32.03	47	13	2.46
OFFICE 1B160	11Illuminance	FC	35.31	56	16	2.21
OFFICE 1B150-DIMMABLE	11Illuminance	FC	24.17	34	4	6.04
RECEPTION 1B163	11Illuminance	FC	58.10	293	21	2.77
RESTROOM 1B104	11Illuminance	FC	38.85	48	17	2.17
RESTROOM 1B148	11Illuminance	FC	39.98	55	29	1.38
SEC CLIC 1B119	11Illuminance	FC	25.51	37	6	4.25
SERVER-1B176	11Illuminance	FC	24.29	36	14	1.74
STOR 1B153	11Illuminance	FC	51.34	47	12	2.61
STOR 1B175	11Illuminance	FC	48.06	65	31	1.58
TRAINING 1B149-DIMMABLE	11Illuminance	FC	18.04	27	71	2.58
VESTIBULE 1B108	11Illuminance	FC	20.97	23	21	1.43
VESTIBULE 1B150	11Illuminance	FC	29.04	36	9	2.56
WOMENS 1B156	11Illuminance	FC				
WOMENS RN 1B146	11Illuminance	FC				

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
LABORATORY	11Illuminance	FC	4.99	9.6	0.3	3.52
-BRESS--CIRC 1B119	11Illuminance	FC	38.16	43.3	30.9	1.23
-BRESS--CIRC 1B134	11Illuminance	FC	4.59	8.6	0.9	5.10
-BRESS--CIRC 1B165	11Illuminance	FC	8.71	14.4	2.5	3.48
-BRESS--CIRC 1B168	11Illuminance	FC	13.42	35.8	0.0	N/A
-BRESS--MDP 1B113	11Illuminance	FC	8.65	19.5	1.2	7.21
-BRESS--MENS LK 1B119	11Illuminance	FC	34.09	43.8	22.5	1.52
-BRESS--STAIR 1	11Illuminance	FC	6.32	12.1	1.3	4.86
-BRESS--STAIR 3	11Illuminance	FC	22.23	36.7	6.4	3.47
-BRESS--STAIR 4	11Illuminance	FC	14.96	25.4	4.8	3.12
-BRESS--VESTIBULE 1B108	11Illuminance	FC	4.15	10.4	0.3	13.83
-BRESS--VESTIBULE 1B150	11Illuminance	FC	34.15	11.2	28.3	1.22
-BRESS--CIRC 1B165 (2)	11Illuminance	FC	6.04	9.7	1.9	3.18



PLAN

E7012

EAST COUNTY HALL OF JUSTICE

Courts Building - 5151 Gleason Dr.
County Building - 5149 Gleason Dr.
Dublin, CA 94568

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STAMP

NO.	ISSUED FOR	DATE
5	DP-4	02/10/2015
6	DP-4 REB-1	06/21/2015



SCALE: 3/32" = 1'-0"



SCALE: 3/32" = 1'-0"



PLAN

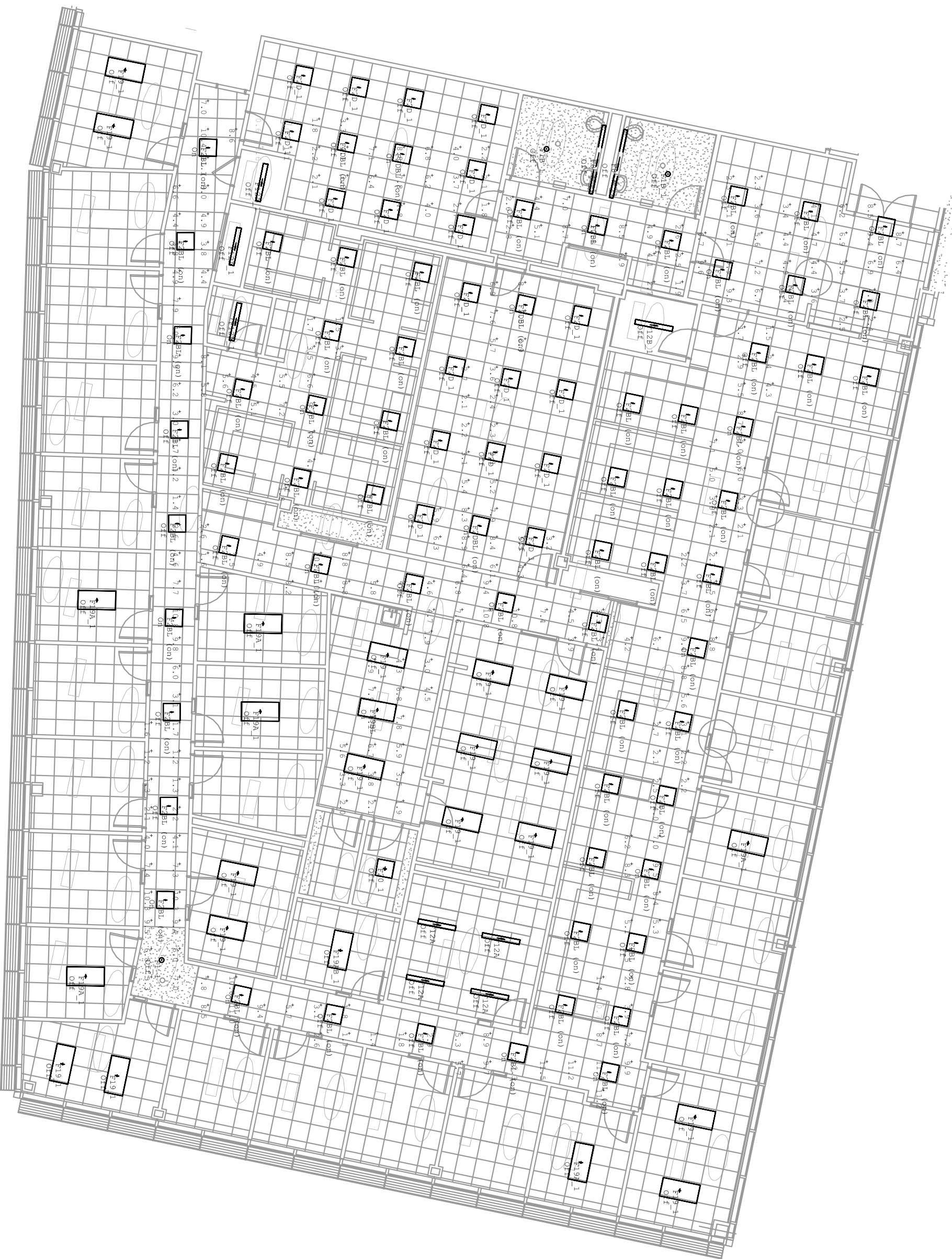
E7013

Courts Building - 5151 Gleason Dr.
County Building - 5149 Gleason Dr.
Dublin, CA 94568

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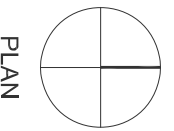
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Calculation Summary					
Label	Category	Units	Avg	Max	Min
-BGRSS-CITRC ID112	Illuminance	fc	5.03	8.8	2.65
-BGRSS-CITRC ID109	Illuminance	fc	10.8	1.9	6.5
-BGRSS-CORR ID105	Illuminance	fc	5.71	6.8	4.28
-BGRSS-CORR ID108	Illuminance	fc	5.71	6.8	4.28
-BGRSS-CORRIDR ID128	Illuminance	fc	5.71	12.3	0.7
-BGRSS-HUDOLE ID128	Illuminance	fc	4.72	9.1	1.9
-BGRSS-OFFICE ID01	Illuminance	fc	4.21	9.0	0.4
-BGRSS-OFFICE ID110	Illuminance	fc	5.61	9.9	2.3
-BGRSS-RECEPTION ID110	Illuminance	fc	4.21	9.0	0.4
-BGRSS-RECEPTION ID110	Illuminance	fc	5.61	9.9	2.3

2 LEVEL 1 - LIGHTING CALCS - AREA DEGRESS
E701.4 SCALE: 3/32" = 1'-0"



DRAWING TITLE	<div style="writing-mode: vertical-rl; transform: rotate(180deg);"> PROJECT #20130014.001 OSFM: 01-01-14-0005 SHEET NUMBER <div style="font-size: 2em; font-weight: bold; margin-top: 10px;">E7014</div> </div>
LEVEL 1 LIGHTING CALCS -	
AREA D	

Courts Building - 5151 Gleason Dr.
County Building - 5149 Gleason Dr.
Dublin, CA 94568

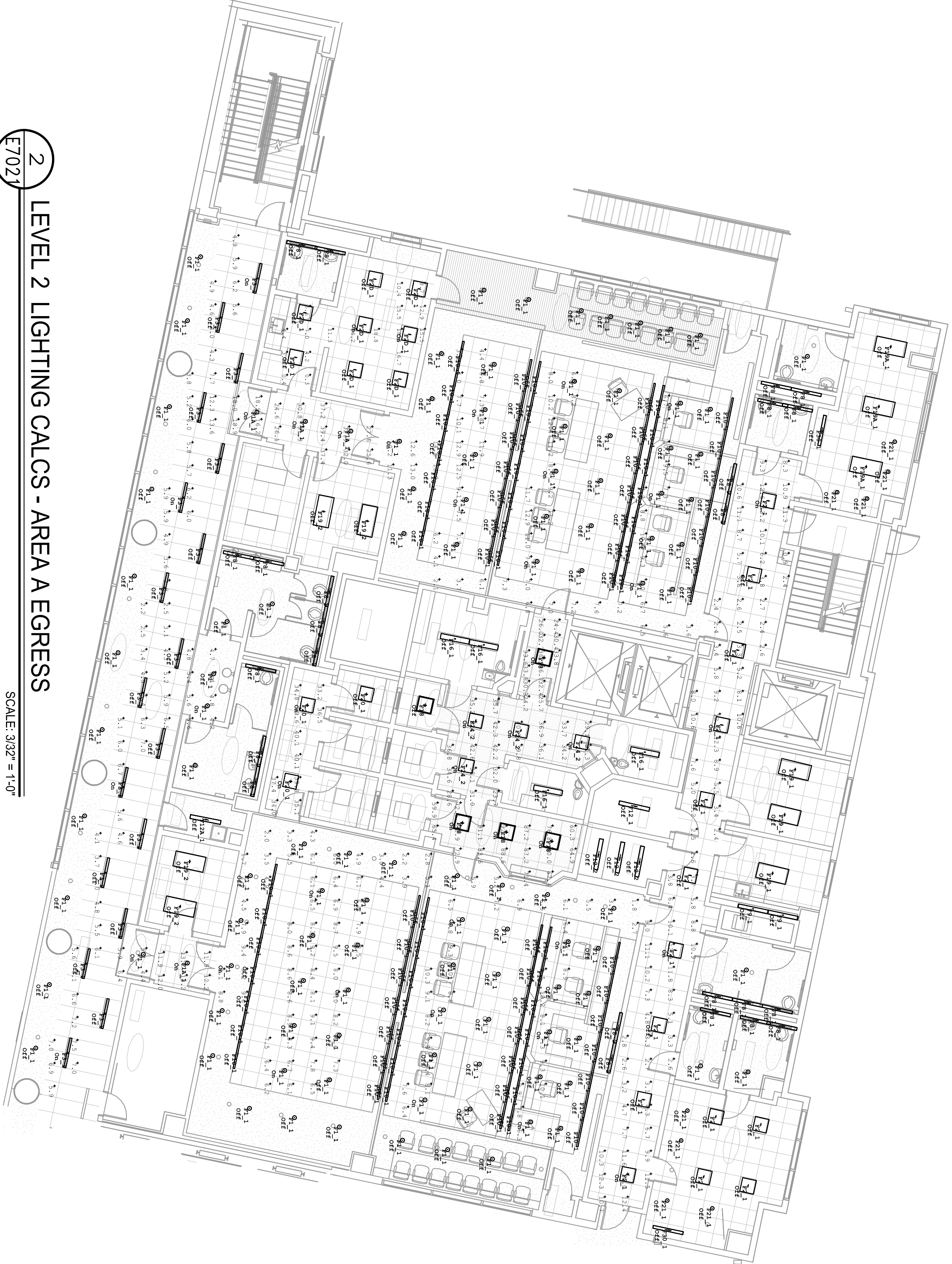


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SCALE: 3/32" = 1'-0"

SCALE: 3/32" = 1'-0"

Calculation Summary					
Label	Category	Units	Avg	Max	Min
-EGRESS-CIRC 2A236	illumiance	fc	14.0	0.9	7.68
-EGRESS-CORROCK 2A207	illumiance	fc	8.49	14.6	1.4
-EGRESS-CORROCK 2A258	illumiance	fc	6.99	10.7	4.11
-EGRESS-DOCK 2A213	illumiance	fc	17.6	12.3	9.9
-EGRESS-DOCK 2A206	illumiance	fc	31.35	30.9	3.87
-EGRESS-VESTIBULE 2A204	illumiance	fc	31.35	39.4	2.6
-EGRESS-VESTIBULE 2A213	illumiance	fc	37.06	40.1	3.3.2
-EGRESS-VESTIBULE 2A225	illumiance	fc	35.47	42.6	2.3.7
-EGRESS-VESTIBULE 2A226	illumiance	fc	30.84	36.9	2.4.2
-EGRESS-VESTIBULE 2A254	illumiance	fc	12.40	13.2	11.9
-EGRESS-WAITING 2A200	illumiance	fc	6.17	18.9	2.2

Plan

E7021

Courts Building - 5151 Gleason Dr.
County Building - 5149 Gleason Dr.
Dublin, CA 94568

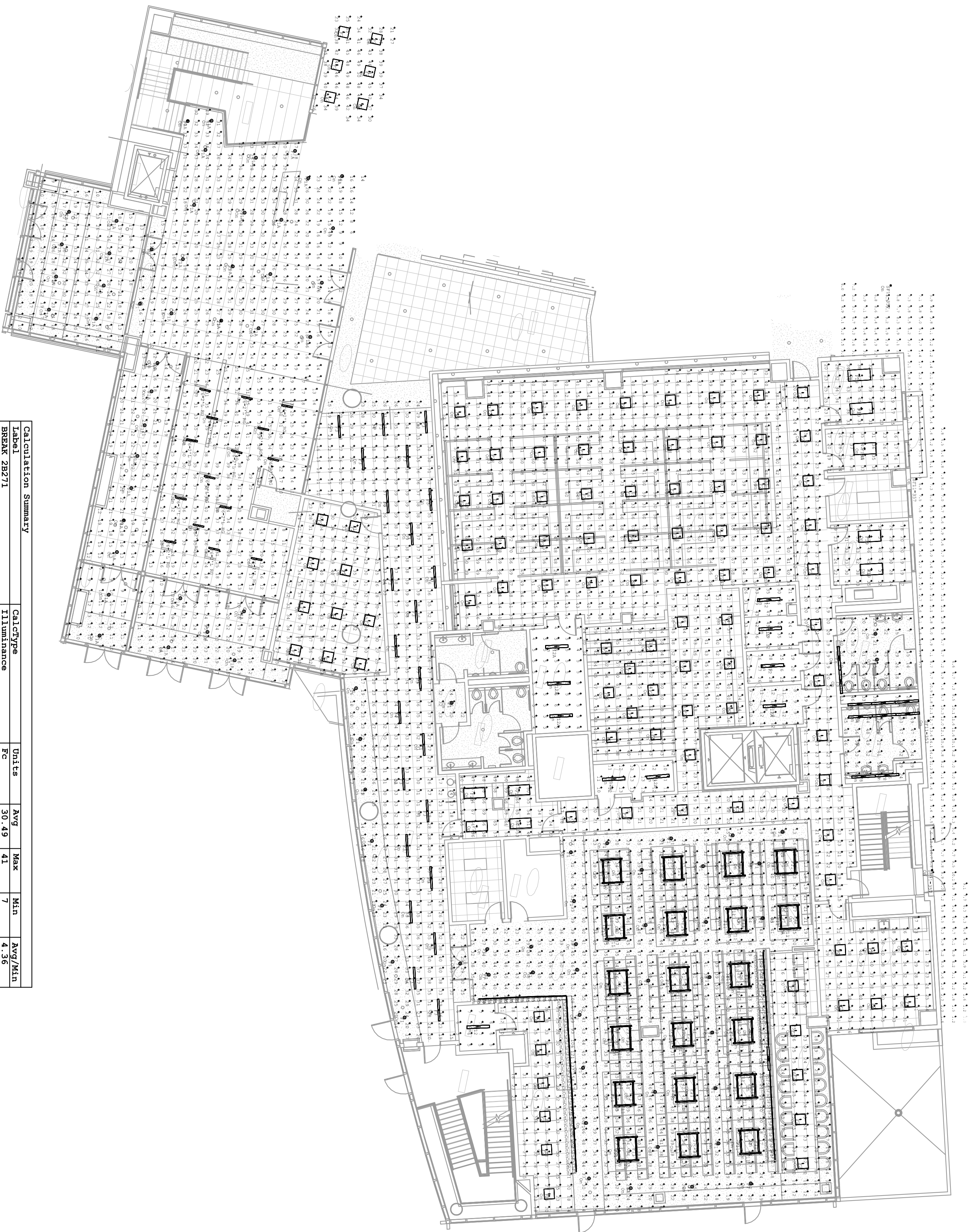


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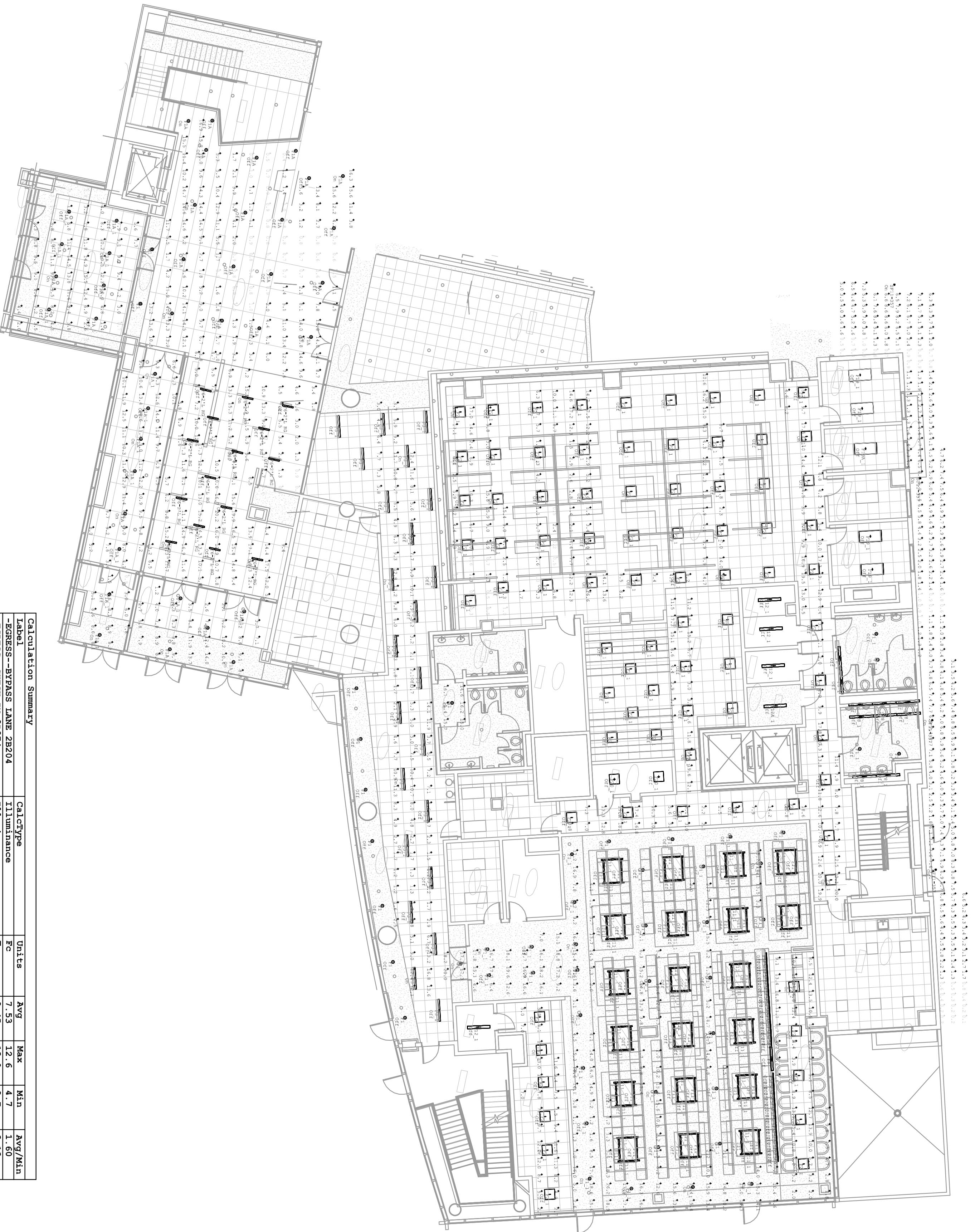
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Calculation Summary					
Label	CalcType	Units	Avg	Max	Min
BRASS 28204	11 Luminaire	FC	20.92	5.1	1.47
CHURCH-IN 28274	11 Luminaire	FC	28.31	38	10
CIRC 28262	11 Luminaire	FC	21.13	29	3
CONTROL ROOM 28211	11 Luminaire	FC	38.58	50	21
COPY 28215 (28261-28261)	11 Luminaire	FC	45.10	65	8
DATA 28252	11 Luminaire	FC	23.93	24	19
ENTRY SCREENING 28206	11 Luminaire	FC	28.43	42	10
ENTRY 28214	11 Luminaire	FC	18.19	22	11
JURY SEATING 28277	11 Luminaire	FC	25.59	40	7
JURY SEATING 28216	11 Luminaire	FC	10.60	13	8
JURY SEATING 28277	11 Luminaire	FC	50.86	282	6
JURY SEATING 28216	11 Luminaire	FC	52.76	69	19
MAIN LOBBY 28205 1	11 Luminaire	FC	23.98	38	6
OFFICE 28263	11 Luminaire	FC	50.75	45	15
OFFICE 28264	11 Luminaire	FC	26.86	40	14
OFFICE 28267	11 Luminaire	FC	33.28	43	20
OPEN OFFICE	11 Luminaire	FC	54.72	83	14
OPEN OFFICE	11 Luminaire	FC	4.86	6	4
OPEN OFFICE	11 Luminaire	FC	9.63	13	6
VESTIBULE 28207	11 Luminaire	FC	21.02	35	7
VESTIBULE 28215	11 Luminaire	FC	26.50	40	7
WORKING RM 28265	11 Luminaire	FC	33.72	64	7

1 LEVEL 2 LIGHTING CALCS - AREA B NORMAL
E7022

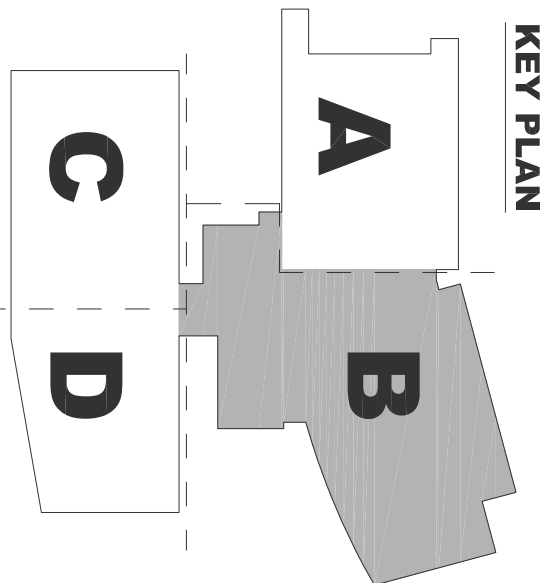
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Calculation Summary					
Label	CalcType	Units	Avg	Max	Min
BRASS 28204	11 Luminaire	FC	8.45	13.0	2.7
CHURCH-IN 28274	11 Luminaire	FC	10.35	21.0	2.0
CIRC 28262	11 Luminaire	FC	6.48	17.9	0.4
CONTROL ROOM 28211	11 Luminaire	FC	9.39	14.6	3.6
COPY 28215 (28261-28261)	11 Luminaire	FC	9.34	8.6	1.3
DATA 28252	11 Luminaire	FC	9.11	26.2	0.5
ENTRY SCREENING 28206	11 Luminaire	FC	8.01	16.8	1.7
ENTRY 28214	11 Luminaire	FC	6.34	19.9	0.2
JURY SEATING 28277	11 Luminaire	FC	6.15	8.9	0.9
JURY SEATING 28216	11 Luminaire	FC	6.48	15.5	1.2
JURY SEATING 28277	11 Luminaire	FC	12.31	20.2	5.4

2 LEVEL 2 LIGHTING CALCS - AREA B EGRESS
E7022

SCALE: NTS



PLAN

EAST COUNTY HALL OF JUSTICE

Courts Building - 5151 Gleason Dr.
County Building - 5149 Gleason Dr.
Dublin, CA 94568

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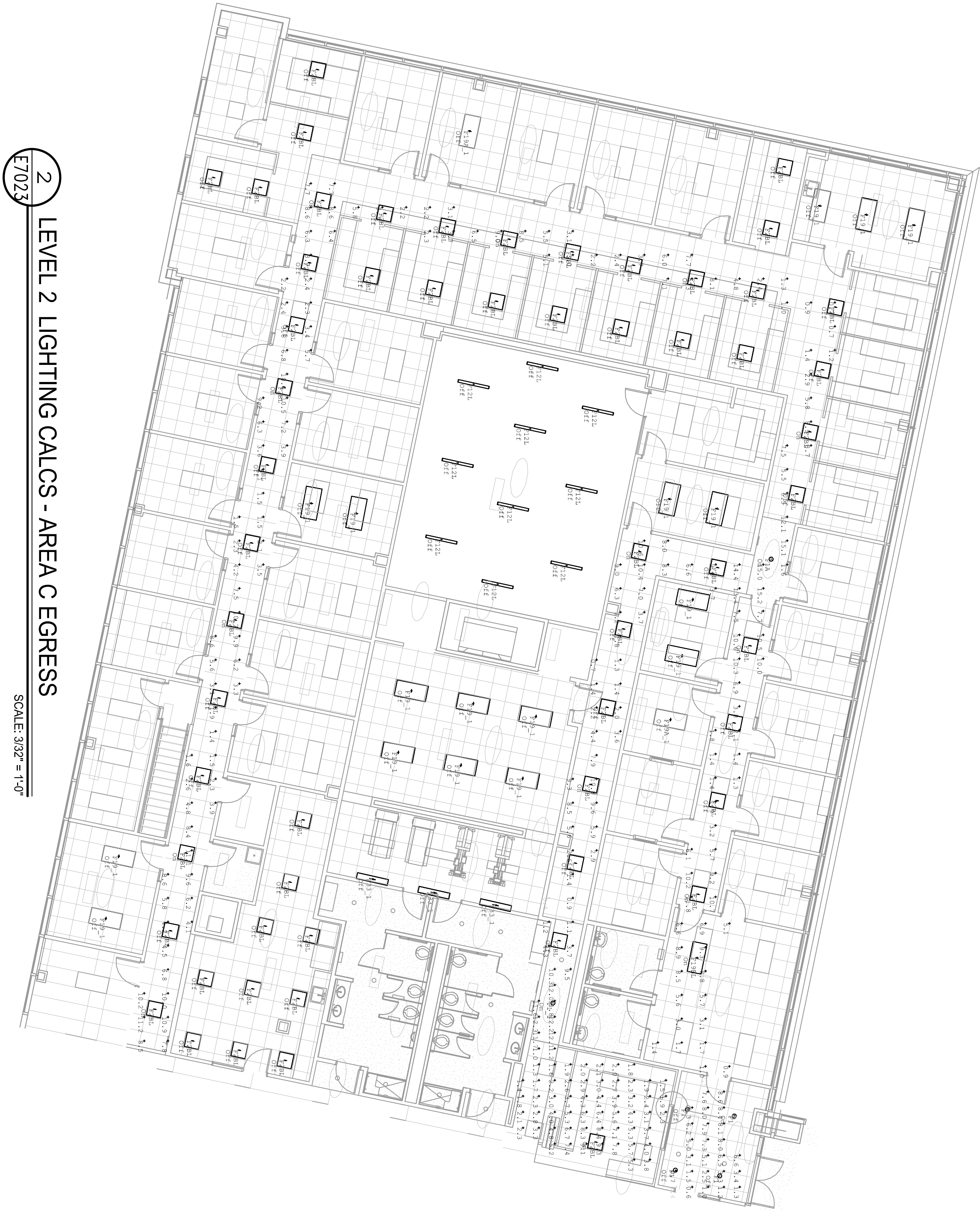
DRAWING TITLE
LEVEL 2 LIGHTING CALCS - AREA B
PROJECT # 20100014.001
SHEET NUMBER
E7022

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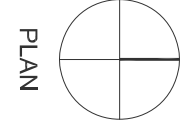
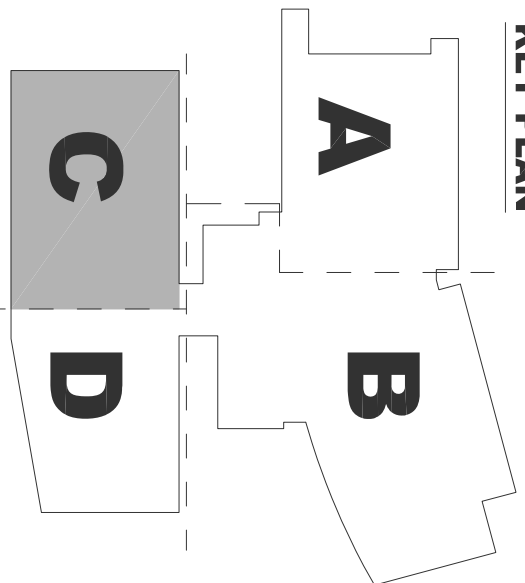
1 LEVEL 2 LIGHTING CALCS - AREA C NORMAL
SCALE: 3/32" = 1'-0"

Calculation Summary					
Label	CalcType	Units	Avg	Max	Min
BREAK 2C242	Illuminance	FC	50.83	70	25
CIRC 2C211	Illuminance	FC	28.77	41	13
CIRC 2C211 2	Illuminance	FC	23.51	34	3
EVIDENCE SMO 2C256	Illuminance	FC	37.18	52	14
EVIDENCE VIEW 2C257	Illuminance	FC	32.08	47	18
INTERVIEW 2C228	Illuminance	FC	34.50	49	22
INTERVIEW 2C231	Illuminance	FC	35.80	49	20
OFFICE 2C201	Illuminance	FC	23.16	32	9
OFFICE 2C213	Illuminance	FC	22.76	37	10
OFFICE 2C246	Illuminance	FC	34.77	50	15
OPEN OFFICE 2A252	Illuminance	FC	32.70	49	12
OPEN OFFICE 2C234	Illuminance	FC	34.79	45	22
OPEN OFFICE 2C258	Illuminance	FC	25.44	46	11
RECEPTION 2C220	Illuminance	FC	29.84	43.5	14.6
WAITING 2C218	Illuminance	FC	24.13	51	3
WITNESS 2C252	Illuminance	FC	32.26	45	18



2 LEVEL 2 LIGHTING CALCS - AREA C EGRESS
SCALE: 3/32" = 1'-0"

Calculation Summary					
Label	CalcType	Units	Avg	Max	Min
-EGRESS--CIRC 2C211	Illuminance	FC	5.48	15.2	0.4
-EGRESS--CIRC 2C211 2	Illuminance	FC	6.16	11.8	1.3
-EGRESS--RECEPTION 2C219	Illuminance	FC	4.58	8.6	0.4
-EGRESS--WITNESS WAIT 2C223	Illuminance	FC	4.89	9.3	0.9



E7023



DRAWING TITLE
LEVEL 2 LIGHTING CALCS - AREA C

PROJECT # 20100014.001
SHEET NUMBER 003

STAMP

NO.	ISSUED FOR	DATE
5	DP-4	06/10/2015
6	DP-4 RESEP 1	06/21/2015

EAST COUNTY HALL OF JUSTICE

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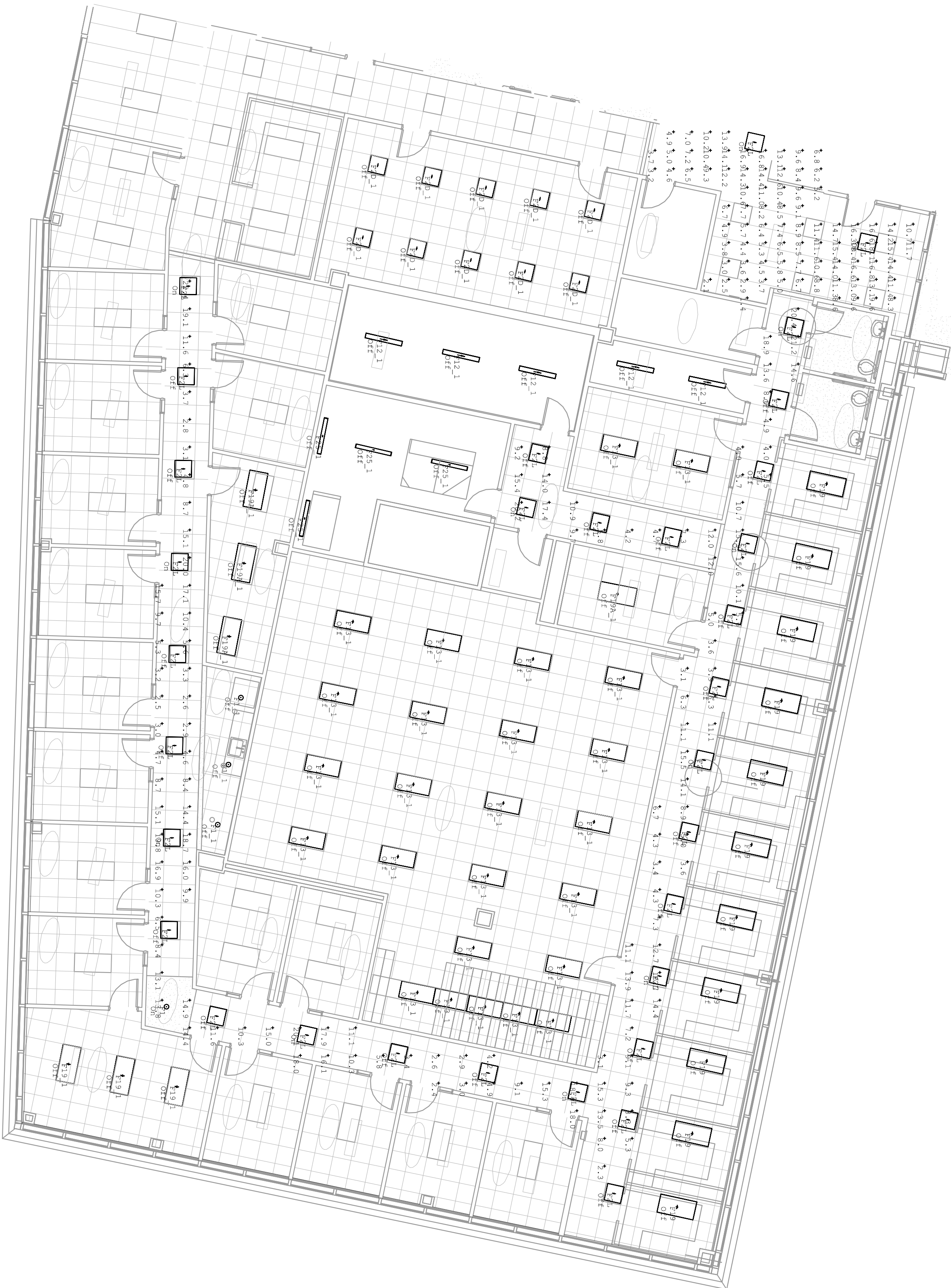
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1
LEVEL 2 LIGHTING CALCS - AREA D NORMAL
SCALE: 3/32" = 1'-0"

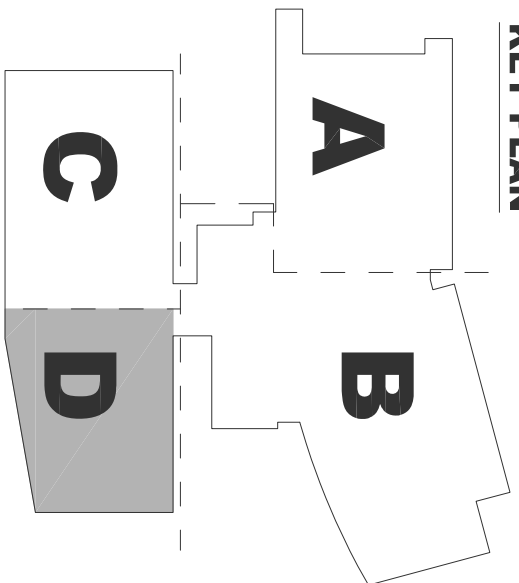
Calculation Summary					
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BOILER RM 2	Illuminance	Fc	50.43	85	7
BOILER RM 2D222	Illuminance	Fc	27.83	36	17
CIRCULATION 2D240	Illuminance	Fc	33.92	41	27
CIRCULATION OFFICES	Illuminance	Fc	27.65	42	22
CONFEE 2D213	Illuminance	Fc	29.77	43	22
CONF 2D223	Illuminance	Fc	48.30	62	11
BLRC 2D227	Illuminance	Fc	35.22	42	24
OFFICE 2D225	Illuminance	Fc	41.97	53	29
OFFICE 2D226	Illuminance	Fc	33.68	48	18
OFFICE 2D249	Illuminance	Fc	37.90	62	15
OPEN OFFICE 2D240	Illuminance	Fc	41.94	66	10
READINESS WAR ROOM 2D214	Illuminance	Fc	97.75	152	35
SCAN FILES 2D224	Illuminance	Fc	60.60	125	15



2
LEVEL 2 LIGHTING CALCS - AREA D EGRESS
SCALE: 3/32" = 1'-0"

Calculation Summary					
Label	CalcType	Units	Avg	Max	Min
-EGRESS--CIRC 2C211	Illuminance	Fc	9.39	18.4	1.4
-EGRESS--OPEN OFFICE, CIRC 2D240	Illuminance	Fc	9.80	22.4	0.2

KEY PLAN



PLAN

EAST COUNTY HALL OF JUSTICE

Courts Building - 5151 Gleason Dr.
County Building - 5149 Gleason Dr.
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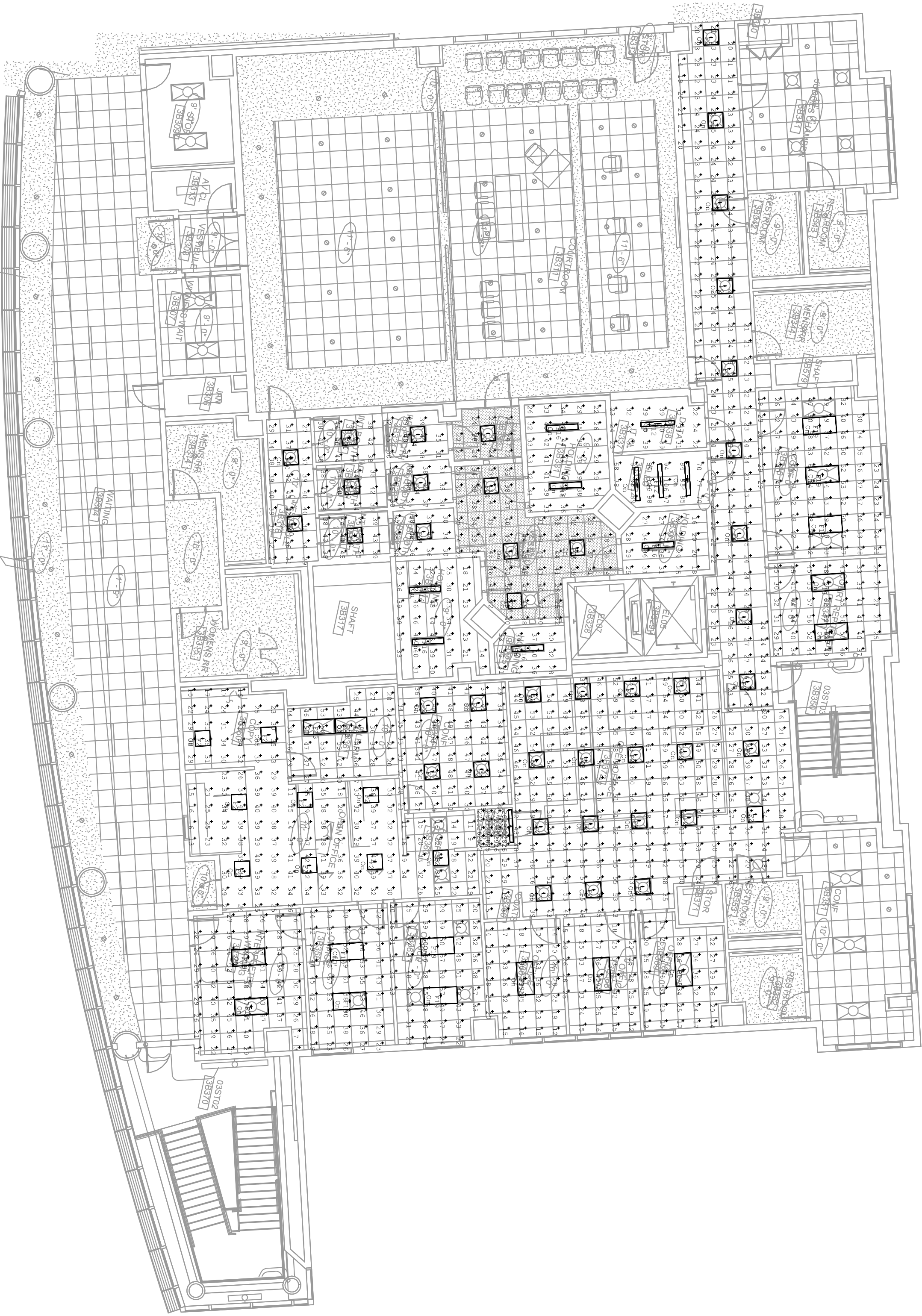


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NO.	ISSUED FOR	DATE
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6	DP-4 REB-1	06/21/2015

E7024

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1 LEVEL 3 LIGHTING CALCS - AREA B NORMAL

SCALE: 3/32" = 1'-0"

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
CIRC 3B339	ILLUMINANCE	Fc	23.16	27	14	1.65
CJO 3B365	ILLUMINANCE	Fc	26.75	30	22	1.22
COATS 3B366	ILLUMINANCE	Fc	18.50	29	5	3.70
CONF 3B363	ILLUMINANCE	Fc	21.92	34	9	2.44
CONF 3B346	ILLUMINANCE	Fc	41.80	64	19	2.20
CONF 3B364	ILLUMINANCE	Fc	38.85	49	21	1.85
CONF 3B360	ILLUMINANCE	Fc	28.00	25	15	1.97
CONF 3B359	ILLUMINANCE	Fc	42.50	52	32	1.32
DATA 3B338	ILLUMINANCE	Fc	31.42	40	22	1.43
ELEC3B336	ILLUMINANCE	Fc	87.53	106	68	1.29
FILE RM 3B361	ILLUMINANCE	Fc	37.03	58	20	1.85
HOLDING 3B321	ILLUMINANCE	Fc	32.15	46	9	3.57
HOLDING 3B325	ILLUMINANCE	Fc	35.00	42	28	1.25
HOLDING 3B331	ILLUMINANCE	Fc	34.74	44	22	1.58
HOLDING 3B335	ILLUMINANCE	Fc	27.11	36	16	1.69
INT BOOTH 3B318	ILLUMINANCE	Fc	42.25	20	38	1.14
INT BOOTH 3B319	ILLUMINANCE	Fc	42.50	49	38	1.12
INT BOOTH 3B320	ILLUMINANCE	Fc	35.08	42	30	1.17
INT BOOTH 3B322	ILLUMINANCE	Fc	35.75	43	30	1.19
INT BOOTH 3B323	ILLUMINANCE	Fc	36.55	43	30	1.22
INT BOOTH 3B324	ILLUMINANCE	Fc	35.18	60	3	11.73
INTERPRETER WAITING 3B357	ILLUMINANCE	Fc	25.31	40	12	2.11
OFF1B368	ILLUMINANCE	Fc	39.76	61	19	2.09
OFFICE 3B358	ILLUMINANCE	Fc	38.35	39	20	2.02
OFFICE 3B352	ILLUMINANCE	Fc	42.45	35	12	3.54
OFFICE 3B353	ILLUMINANCE	Fc	25.31	39	12	2.11
OFFICE 3B369	ILLUMINANCE	Fc	32.28	42	11	2.93
OPEN OFFICE 3B359	ILLUMINANCE	Fc	44.73	63	13	3.44
OPEN OFFICE 3B372	ILLUMINANCE	Fc	23.73	27	21	1.13
SALLY 3B330	ILLUMINANCE	Fc	36.04	43	27	1.33
VESTIBULE 3B316	ILLUMINANCE	Fc	37.29	51	22	1.70



2 LEVEL 3 LIGHTING CALCS - AREA B EGRESS

SCALE: 3/32" = 1'-0"

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
-EGRESS--CIRC 3B339	ILLUMINANCE	Fc	4.73	8.8	1.5	3.15
-EGRESS--CJO 3B365	ILLUMINANCE	Fc	5.00	8.9	0.3	16.67
-EGRESS--COATS 3B366	ILLUMINANCE	Fc	4.79	8.1	1.4	3.42
-EGRESS--CONF 3B363	ILLUMINANCE	Fc	23.63	26.5	21.0	1.13
-EGRESS--CONF 3B346	ILLUMINANCE	Fc	36.44	41.3	29.7	1.23
-EGRESS--CONF 3B360	ILLUMINANCE	Fc	30.80	39.7	6.5	4.74

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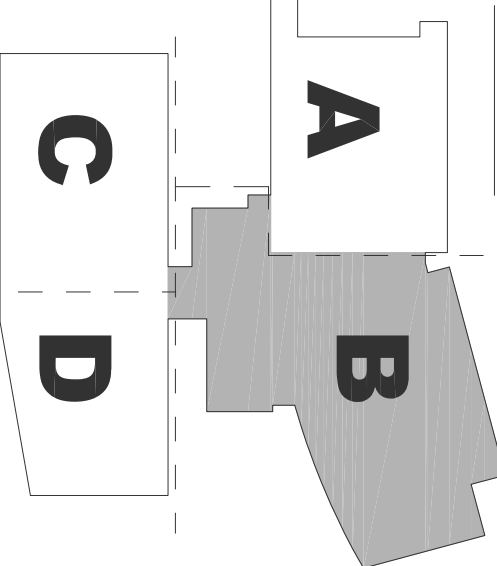


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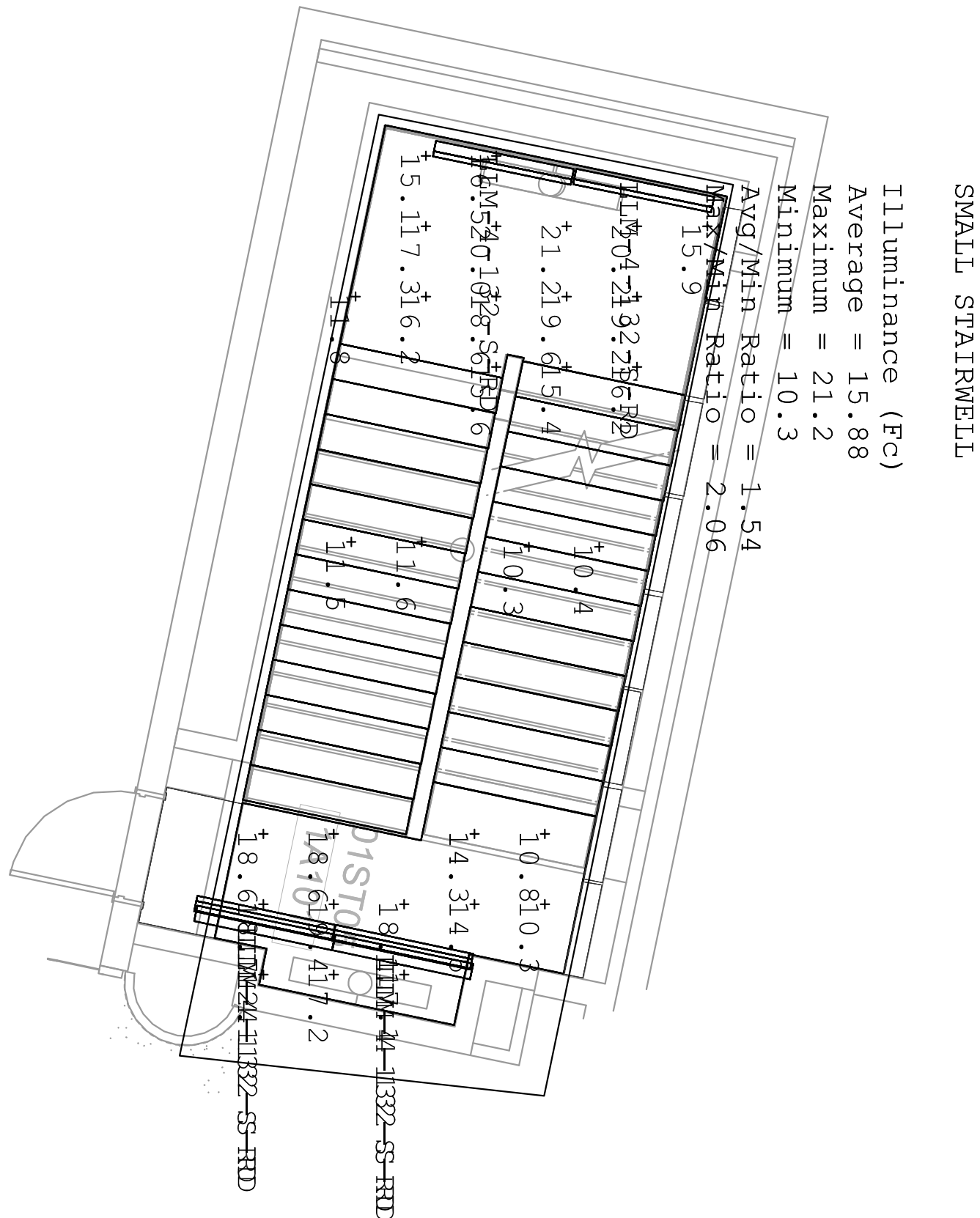
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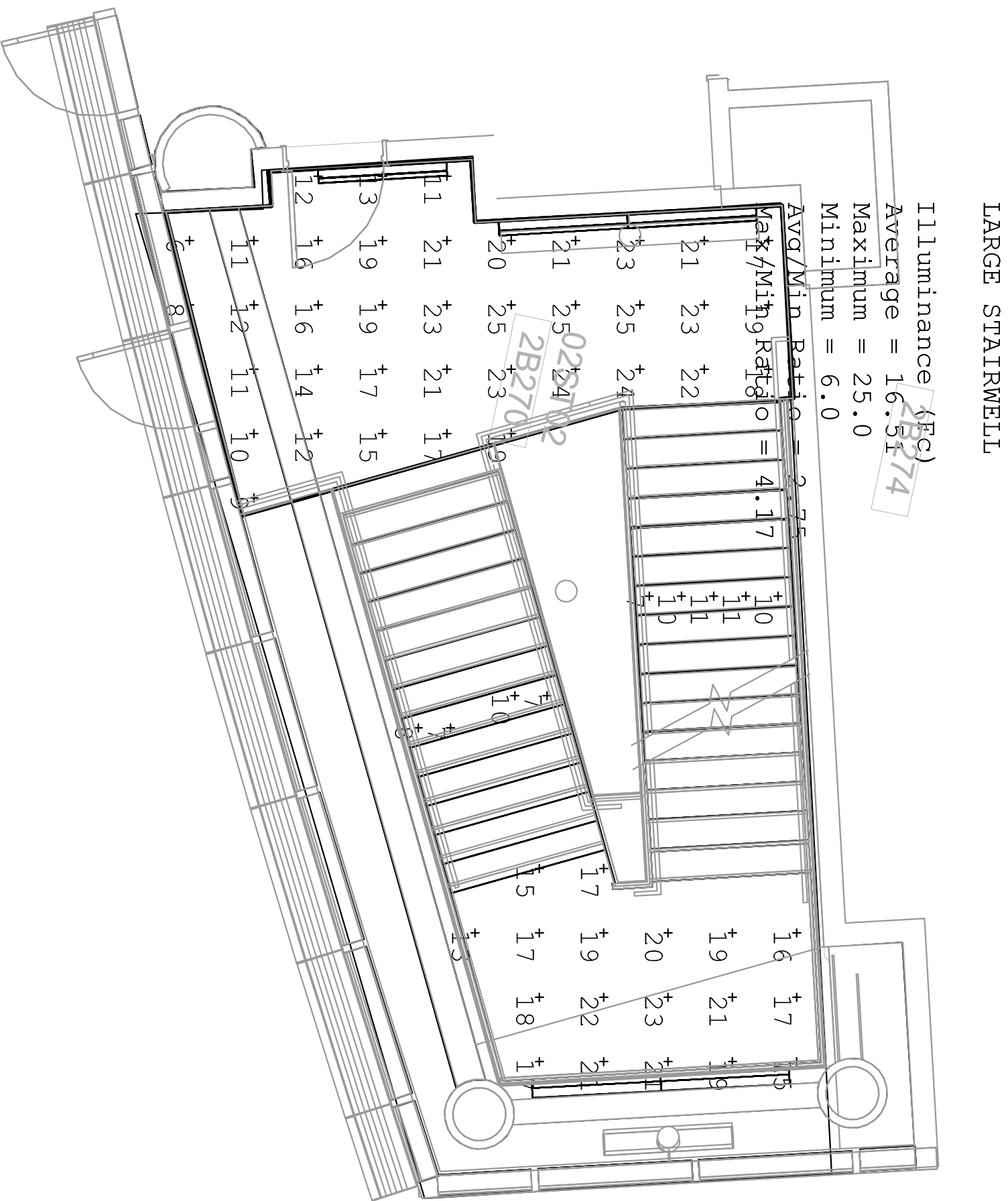
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E7032

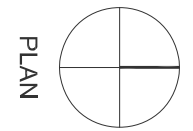
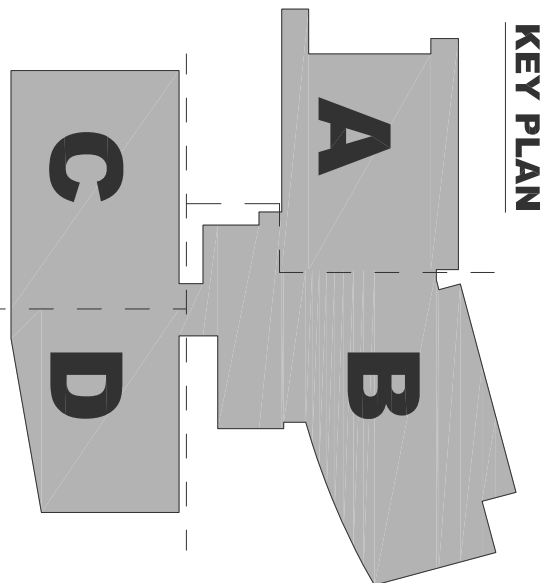
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Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
Stair_1A101	Illuminance	Fc	10.35	10.4	10.3	1.00
Stair_1A101	Illuminance	Fc	11.55	11.6	11.5	1.00
Stairs_1A101	Illuminance	Fc	15.81	19.4	10.3	1.93
STAIRWELL_2B270-1	Illuminance	Fc	17.42	25	6	2.90
STAIRWELL_2B270-10	Illuminance	Fc	8.00	10	7	1.41
STAIRWELL_2B270-2	Illuminance	Fc	18.33	23	13	1.41
STAIRWELL_2B270-25	Illuminance	Fc	9.80	11	7	1.40
LARGE STAIRWELL	Illuminance	Fc	16.51	25.0	6.0	2.75
SMALL STAIRWELL	Illuminance	Fc	15.88	21.2	10.3	1.54



1 LIGHTING CALCS - STAIRS NORMAL & EGRESS
E7041
SCALE: 1/4" = 1'-0"



PLAN

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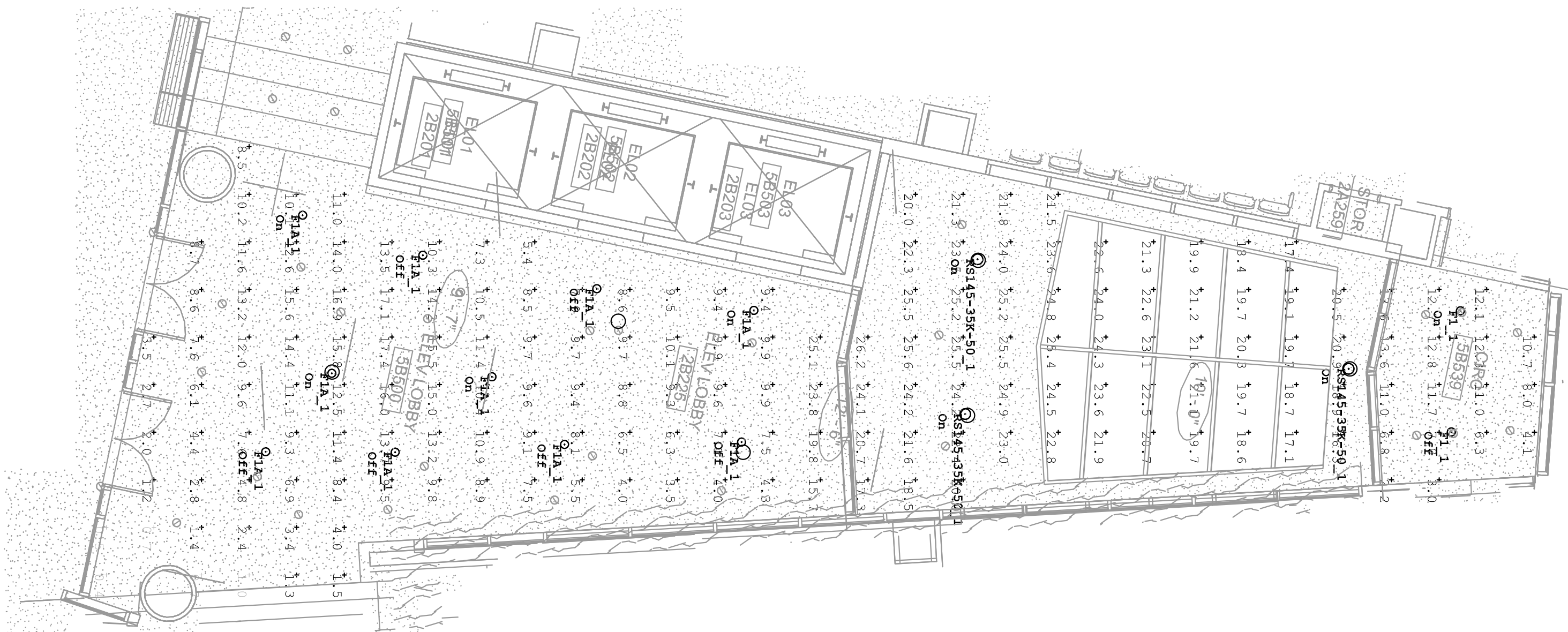
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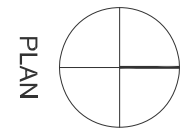
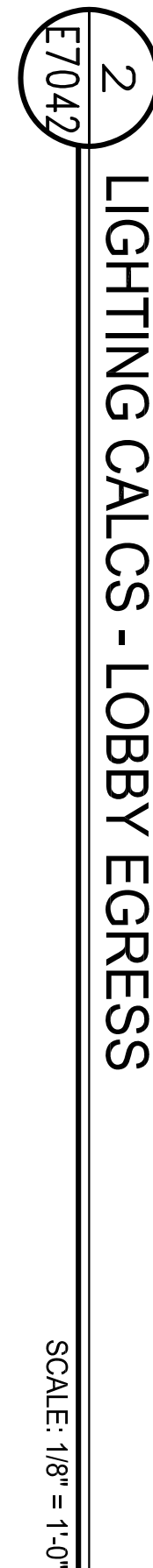
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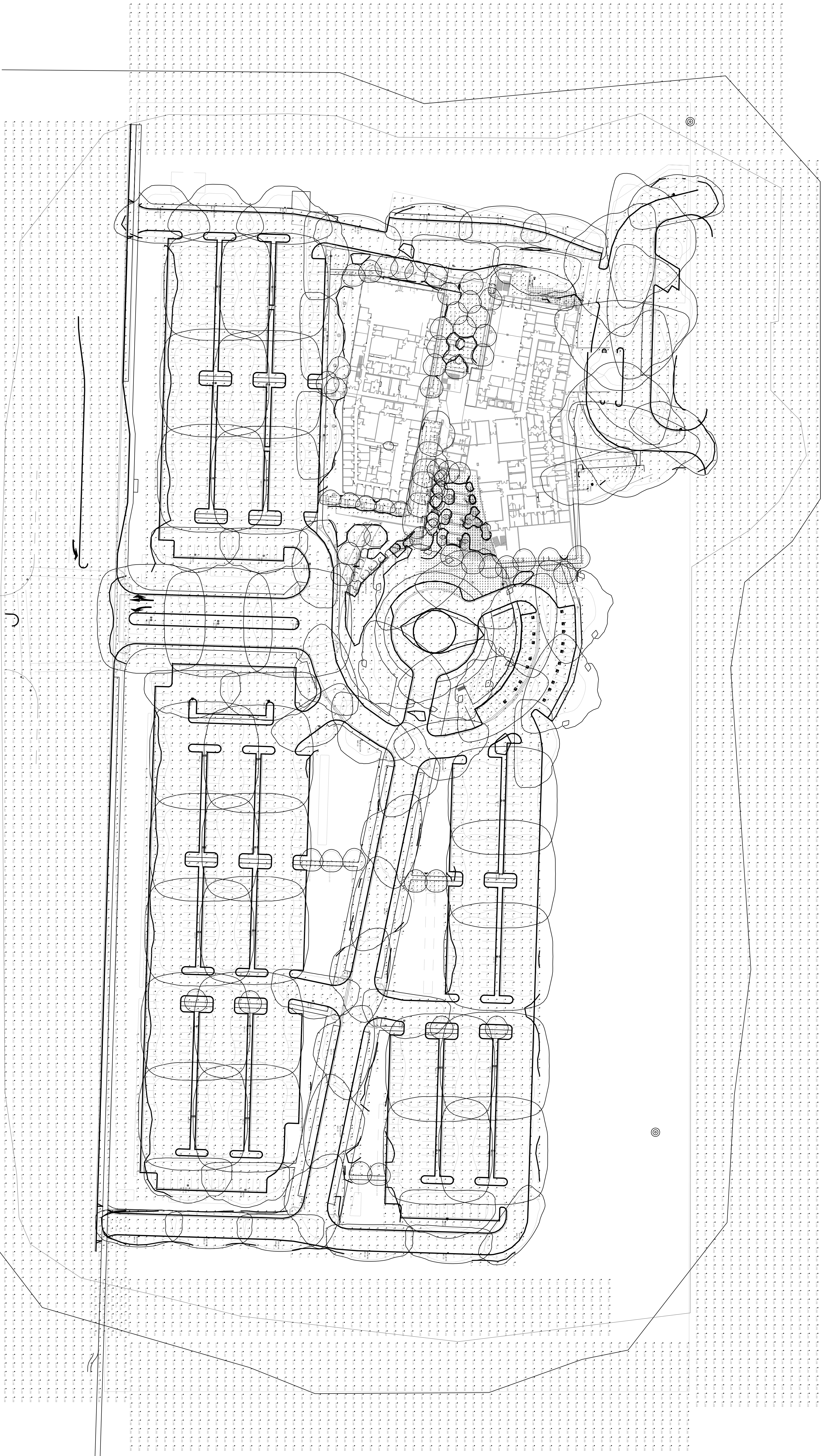
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5	DP-4	02/10/2015
6	DP-4 RESEP 1	06/21/2015
PROJECT #20100014.001		
SHEET NUMBER		
E7041		



Calculation Summary Label	CalcType	Units	Avg	Max	Min	Avg/Min
EGRESS-MULTI-STORY ELEVATOR LOB Illuminance	Fc		13.48	26.2	0.4	33.70



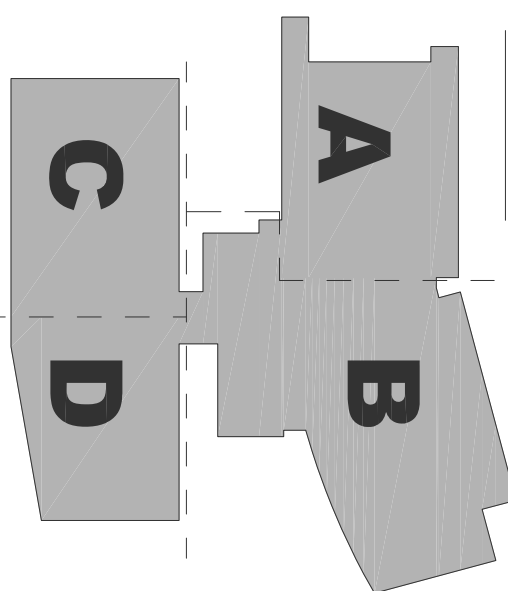
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1
E7043 LIGHTING CALCS - SITE

SCALE: 1" = 50'-0"

KEY PLAN



PLAN

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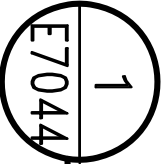
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6	DP-4 RESP 1	06/21/2015

DRAWING TITLE
LIGHTING CALCS - SITE

PROJECT # 20100014.001

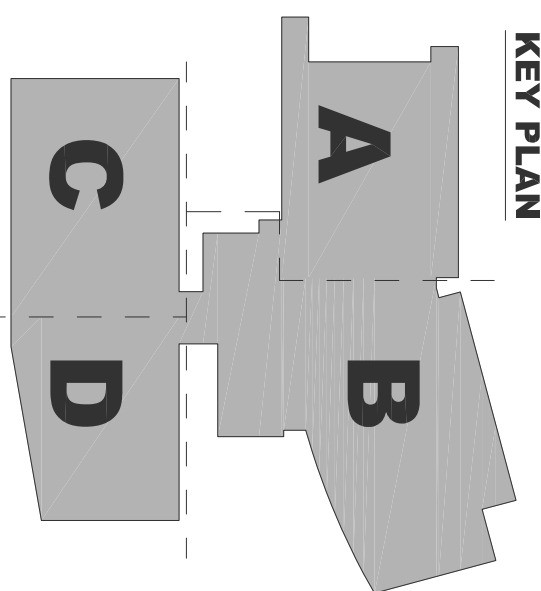
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005

E7043



EGRESS LIGHTING CALCS - SITE

SCALE: 1" = 50'-0"



KEY PLAN



DRAWING TITLE
LIGHTING CALC'S - SITE

LIGHTING CALCCS - SITE

PROJECT #:20130014.01

SHEET NUMBER

E7044

PLAN

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