

SKC-001A SITE PLAN

SKC

NTS

001A

PERFIDO  
WEISKOPF  
WAGSTAFF +  
GOETTEL

408 BOULEVARD OF THE ALLIES  
PITTSBURGH, PA 15219-1301  
412.391.2884 PH  
412.391.1657 FX  
WWW.PWWGARCH.COM

WEST VIRGINIA STATE OFFICE BUILDING  
NO. 3 RENOVATIONS

1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305  
PWWG PROJECT NO. 20703.00

ADDENDUM NO. 4

02/21/2011

SITE PLAN

SKC-001A

FOR INFO ON NPDES  
STORM WATER PERMIT  
TO COMMENT ON SEDIMENT CONTROL PLAN  
CALL: 800-654-5227

OR  
DEP.PLAN@WV.GOV  
DEP 601 57TH STREET SE, CHARLESTON WV 25304  
APPLICATION DATE: MM/DD/YY  
STATE OF WEST VIRGINIA  
OFFICE BUILDING No.3 RENOVATION  
(AREA CODE) TELE. NO.

3

CONFIRM DATE AND  
PHONE # WITH OWNER  
OR ENGINEER

PUBLIC NOTICE SIGN

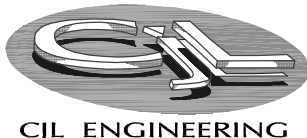
WITHIN 24 HOURS OF FILING AN NOI WITH  
DWW, ALL PROJECTS MUST DISPLAY A  
SIGN FOR THE DURATION OF CONSTRUCTION  
ACTIVITIES, AT OR NEAR THE ENTRANCE OF  
THE SITE.

7

C-008

**PUBLIC NOTICE SIGN**

NTS



Moon Township, PA 15108  
ph:(412)262-1220  
fax:(412)262-2972  
Johnstown, PA 15902  
ph:(814)536-1651  
fax:(814)536-5732  
Youngstown, OH 44504  
ph:(330)746-1360  
fax:(330)746-7000

West Virginia State  
Office Building No. 3 Renovation

Perfido Weiskopf Wagstaff + Goettel

Drawing Title

ADDENDUM #3 - DETAIL 7/C-008

Project No.: 07-096

Drawing No.

Scale: NTS

Date: 01-21-2011

Drawn By: BEJ

SKC-008a

**WWW.PWVGARCH.COM**

1/8" = 1'-0"

SK-19

# SK-19

REFERENCE: AD-101

# DEMOLITION PLAN ARCHITECTURAL

## FIRST FLOOR

1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305

## OFFICE BUILDING NO. 3 RENOVATIONS

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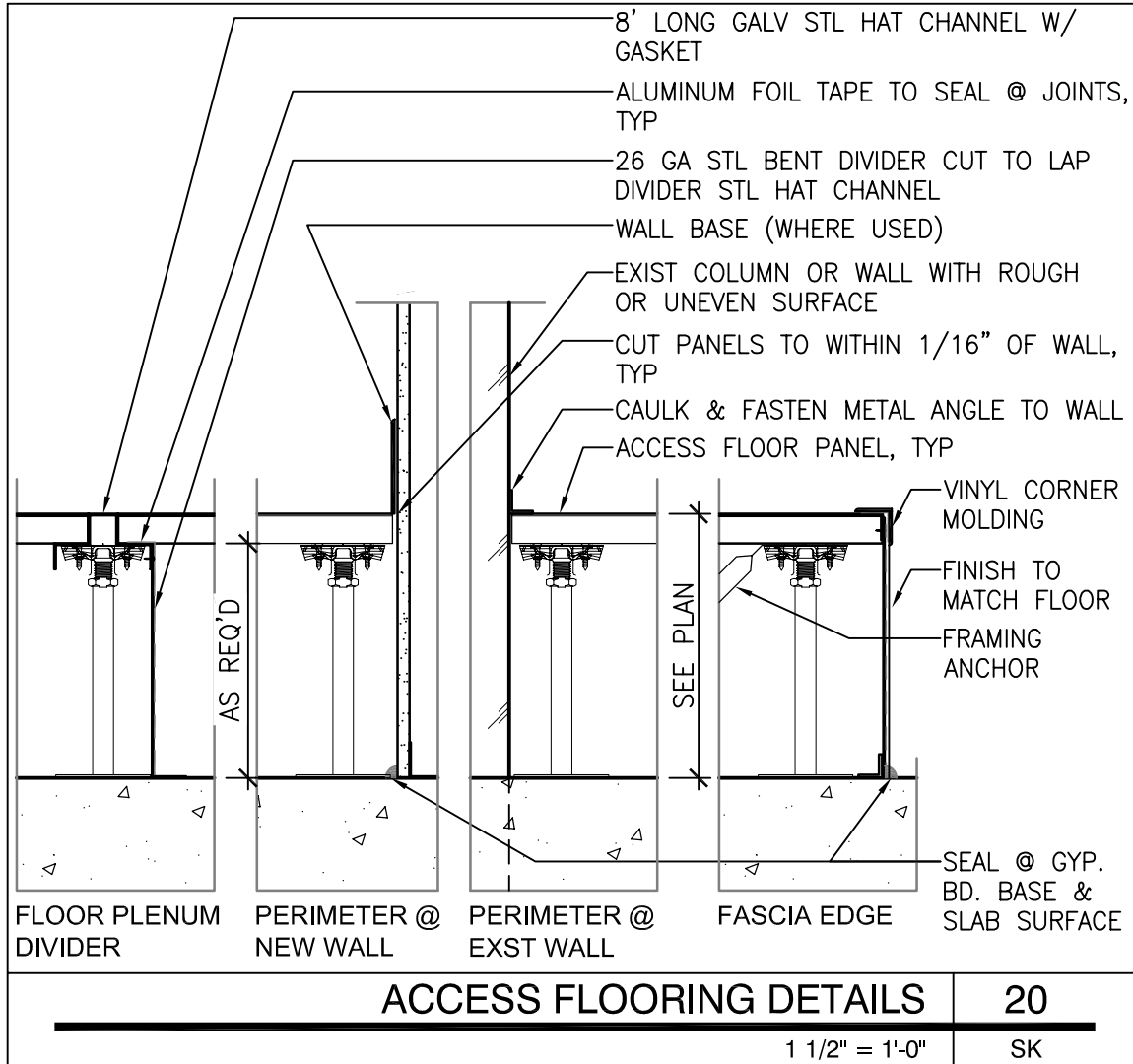
<b>3</b>	ADDENDUM NO.3	1/21/20
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3 ADDENDUM NO.3 1/21/2011

1/21/20

PWVG PROJECT NO. 20703.00

L:\CAD\20703.00 West Virginia State Capitol Building #3 RENOVATIONS\Sheets\BIDDING\SK-20 ACCESS FLOORING DETAILS.dwg, 1/20/2011 2:38:18 PM



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NO. 3 RENOVATIONS**  
1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305  
PWWG PROJECT NO. 20703.00

**3** ADDENDUM NO. 3

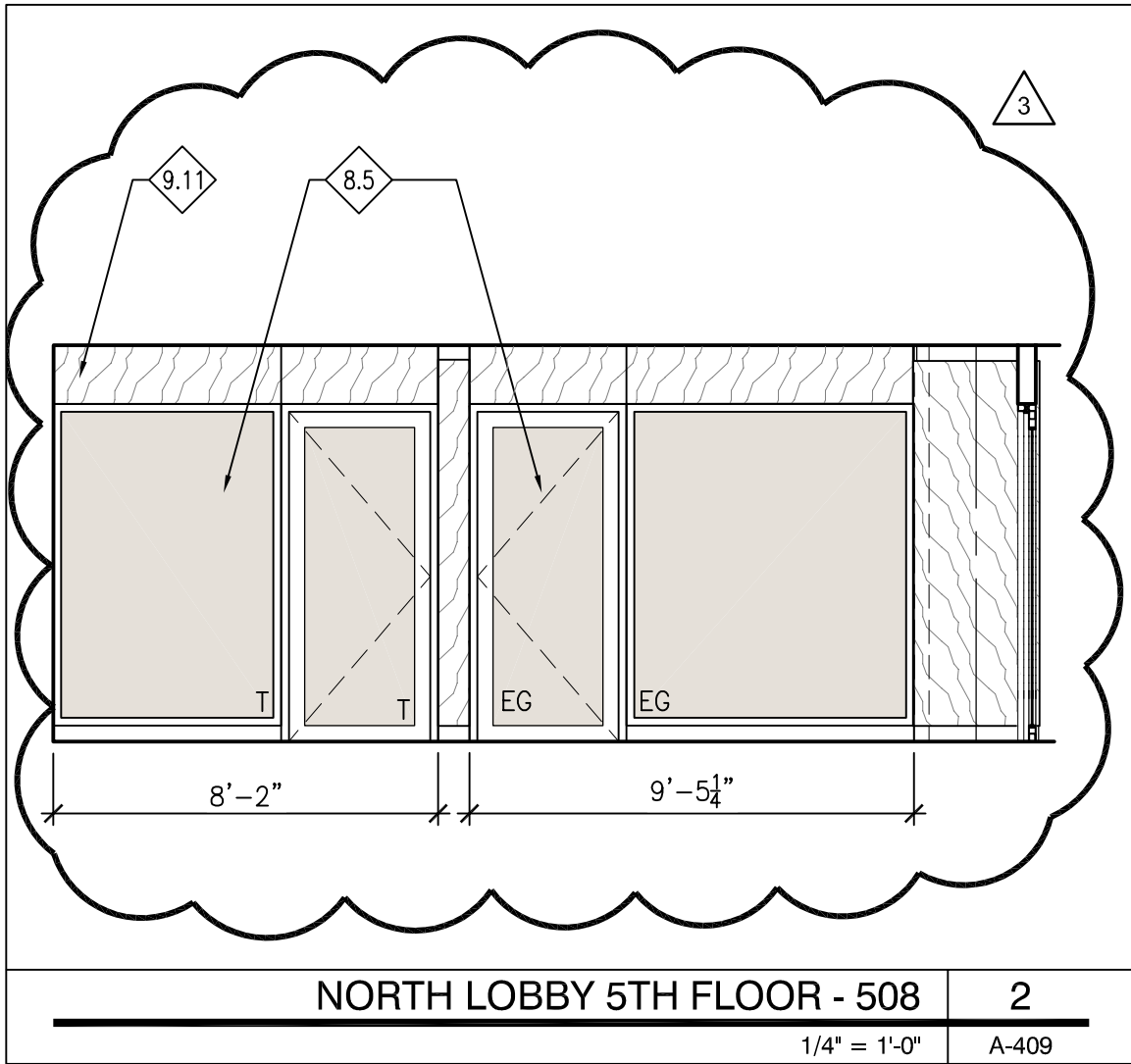
01/21/2011

**ACCESS FLOORING  
DETAILS  
ARCHITECTURAL  
REFERENCE: 1/A-100**

**SK-20**



L:\CAD\20703.00 West Virginia State Capitol Building #3\WEST VIRGINIA CAPITOL BUILDING #3 RENOVATIONS\Sheets\BIDDING\SK-21 NORTH LOBBY 5TH FLOOR.dwg, 1/20/2011 2:54:14 PM



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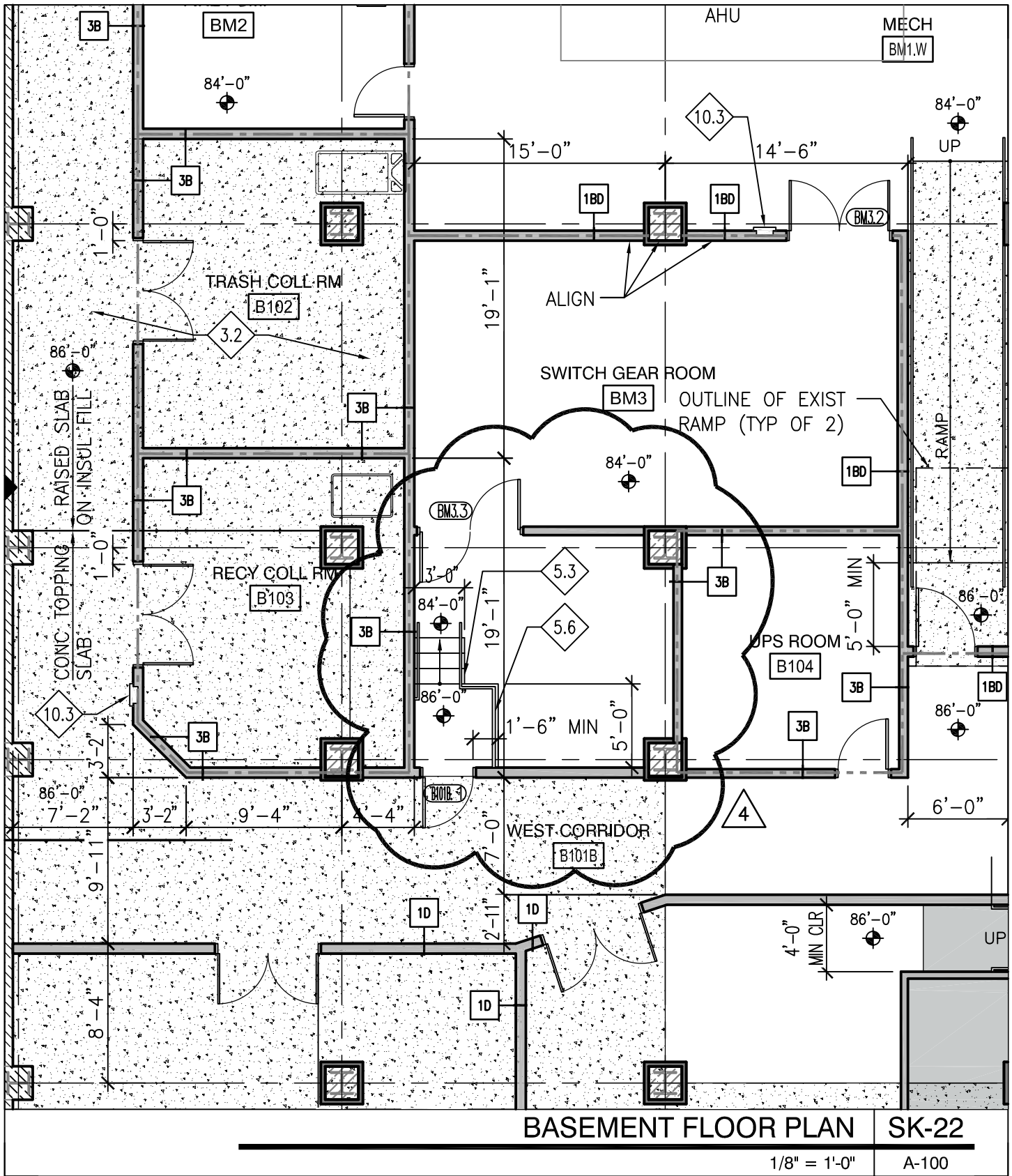
WEST VIRGINIA STATE OFFICE BUILDING  
NO. 3 RENOVATIONS  
1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305  
PWWG PROJECT NO. 20703.00

3 ADDENDUM NO. 3

01/21/2011

NORTH LOBBY 5TH  
FLOOR  
ARCHITECTURAL  
REFERENCE: 2/A-409

SK-21



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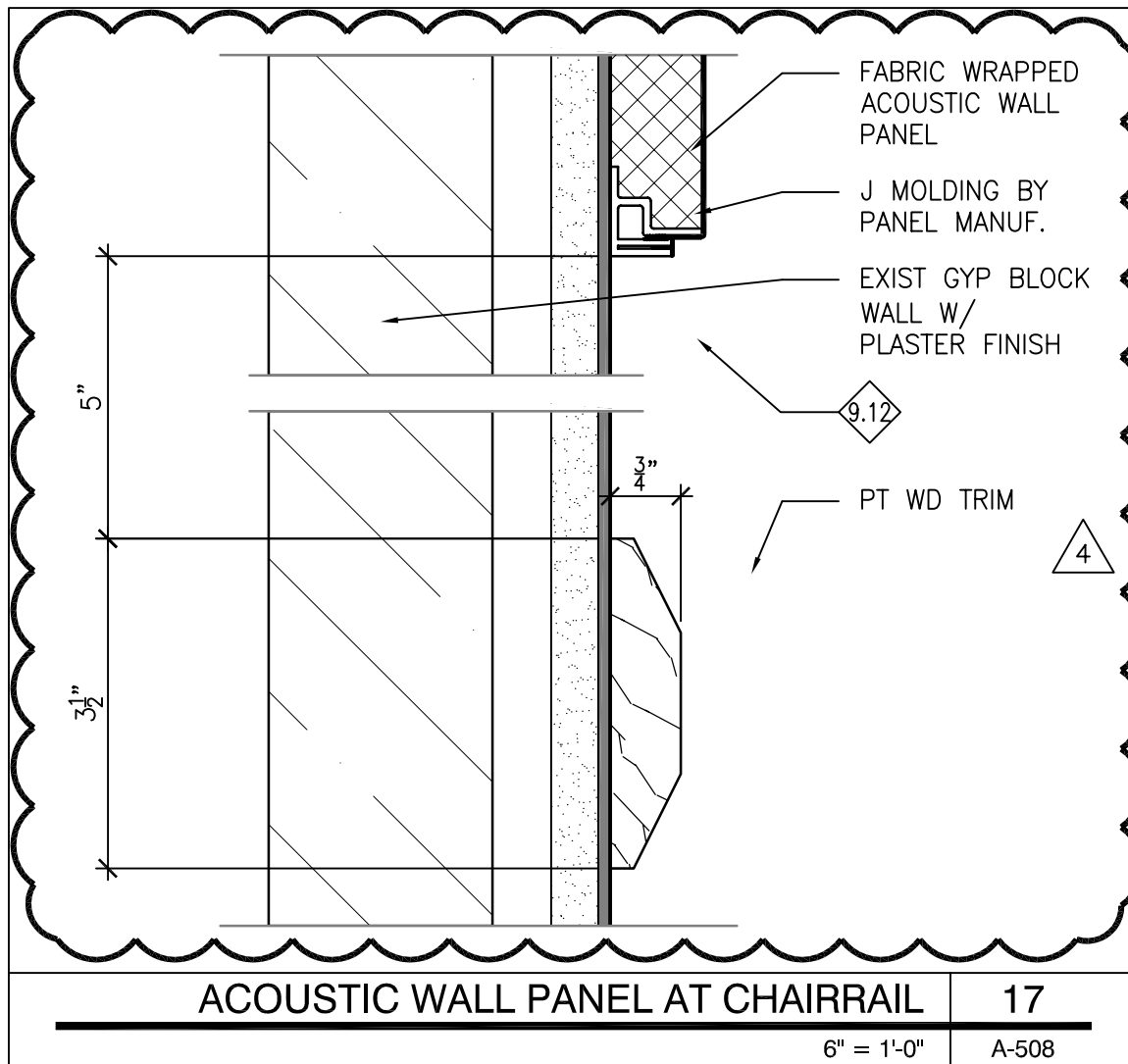
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1900 KANAWHA BOULEVARD EAST  
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**BASEMENT FLOOR PLAN  
SK-22**

▲ ADDENDUM NO. 4 02/21/2011

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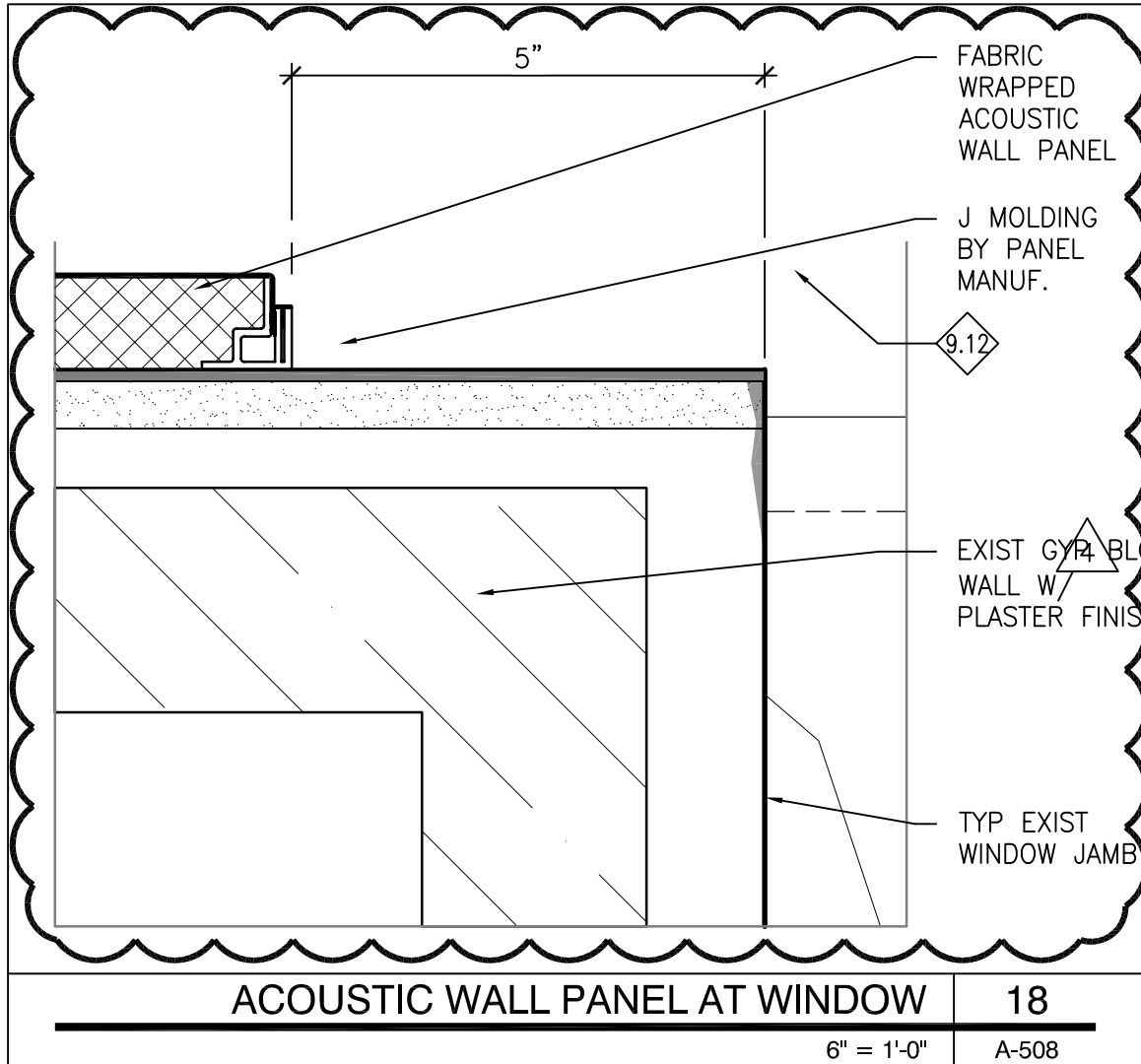
ACOUSTIC FABRIC WALL PANEL

**SK-23A**

**ADDENDUM NO. 4**

02/21/2011

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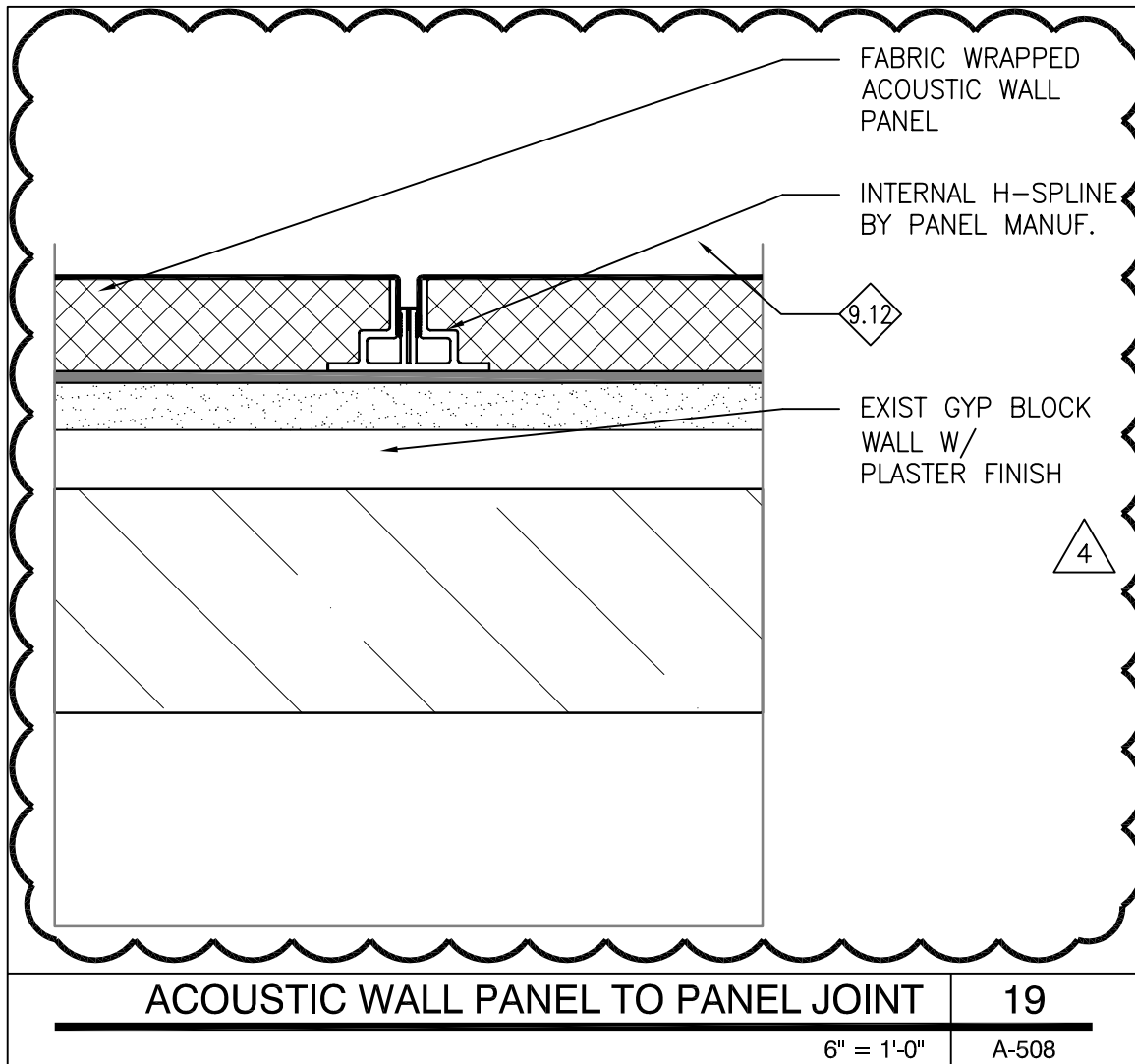
ACOUSTIC FABRIC WALL PANEL

**SK-23B**

**A** ADDENDUM NO. 4

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CHARLESTON, WEST VIRGINIA 25305  
PWWG PROJECT NO. 20703.00

ACOUSTIC FABRIC WALL PANEL

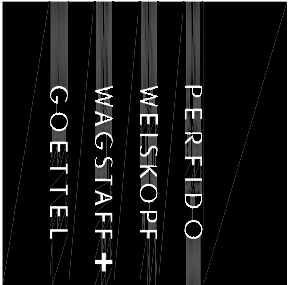
**SK-23C**

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GENERAL PROJECT NOTES:

G1. THE NUMBER OF LIGHT FIXTURES ON EACH FLOOR SHALL BE COORDINATED WITH THE ARCHITECTURAL CEILING PLAN. WHERE THE LIGHTING PLANS AND ARCHITECTURAL PLANS DIFFER, THE BID SHALL BE BASED ON THE PLAN WITH THE GREATER NUMBER OF FIXTURES. WHERE THE ARCHITECTURAL REFLECTED CEILING PLAN HAS THE GREATER NUMBER OF FIXTURES, ADDITIONAL FIXTURES SHALL BE CIRCUITED TO THE CIRCUIT NEAREST THE ADDITIONAL FIXTURES SERVING FIXTURES OF SIMILAR TYPE.

PWWG PROJECT NO. 20703.00	
ADDENDUM #2	12/08/2010
ADDENDUM #3	1/21/2011
ADDENDUM #4	2/21/2011

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ELECTRICAL COVER  
SHEET

SKE-001b  
REFERENCE DWG X-XXX



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RISER DIAGRAM II

SKE-601  
REFERENCE DWG X-XXX

1  
SKE-601

NO SCALE

RISER DIAGRAM II

△

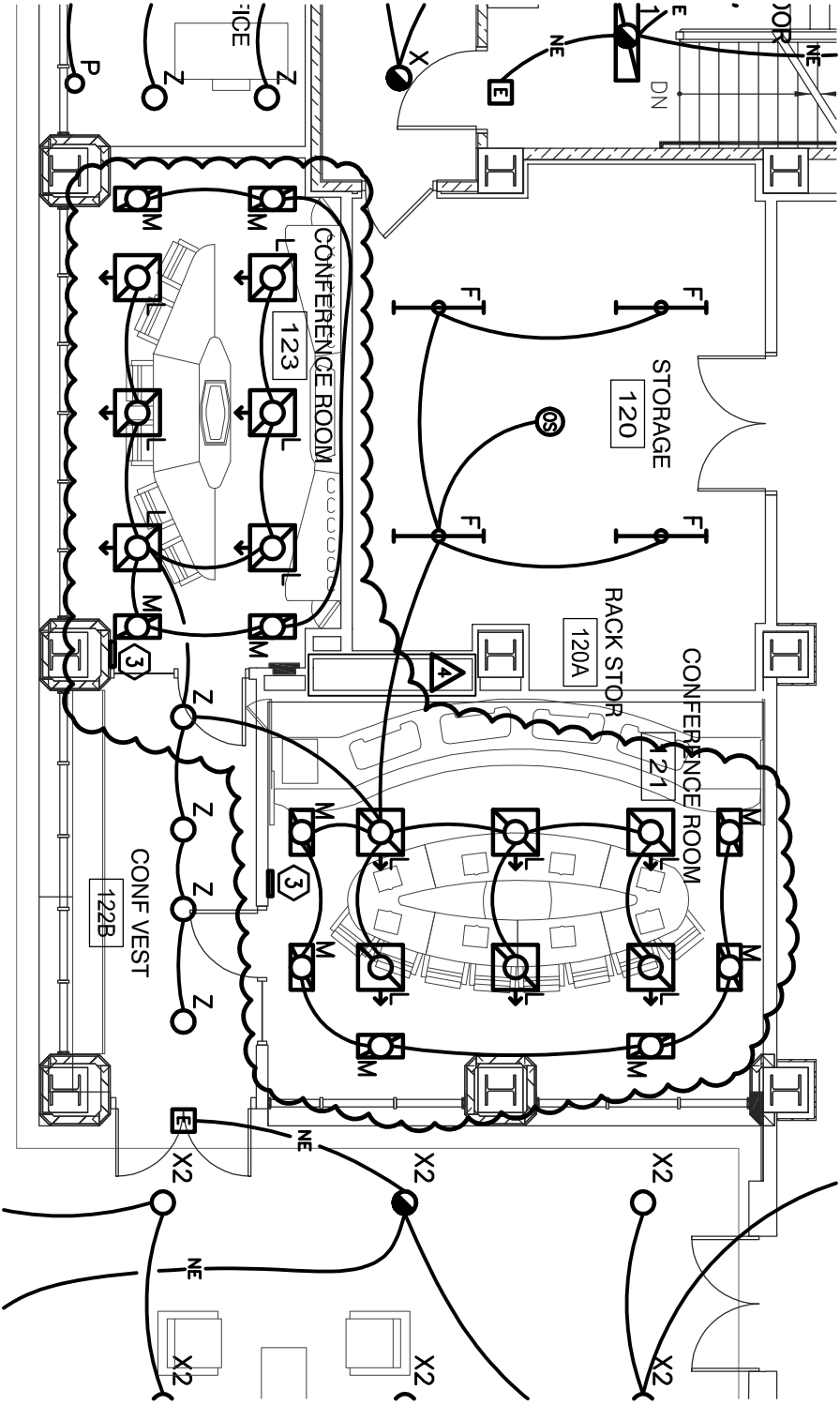
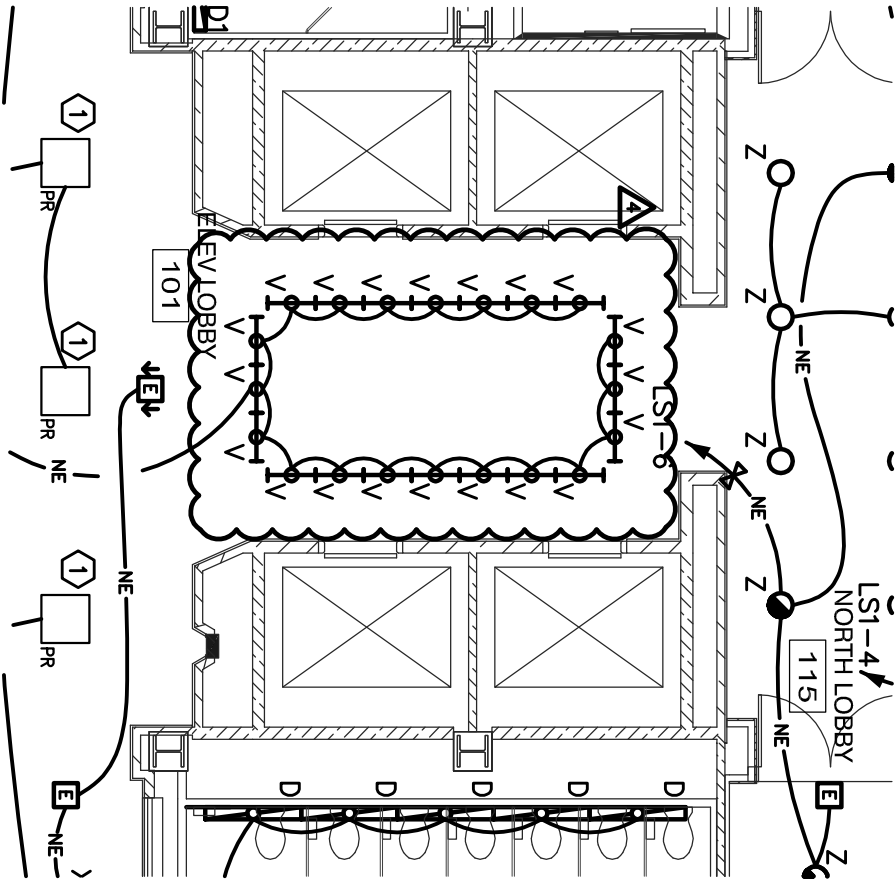
20

PROVIDE 120/208V PANEL TO FEED AUDITOR'S DATA RACKS. PANEL SHALL BE 3PH, 4W, 400A 18KVAIC PANEL. COORDINATE BRANCH BREAKERS WITH THE PANEL CURRENTLY SERVING THE AUDITOR'S UPS IN BUILDING #1 PRIOR TO PURCHASE. BID SHALL INCLUDE (1) 80A/3P, (2) 80A/2P, (11) 30A/2P, (1) 60A/2P, (1) 50A/2P, (28) 20A/1P. MAIN BREAKER SHALL BE A 400A SHUNT TRIP BREAKER. SHUNT TRIP DEVICE SHALL BE CONTROLLED BY THE EMERGENCY POWER OFF BUTTON LOCATED IN THE ROOM WITH THE PANEL.

21

PROVIDE 120/208V PANEL TO FEED TREASURER'S DATA RACKS. PANEL SHALL BE 3PH, 4W, 100A 10KVAIC PANEL. COORDINATE BRANCH BREAKERS WITH THE PANEL CURRENTLY SERVING THE TREASURER'S UPS IN BUILDING #1 PRIOR TO PURCHASE. BID SHALL INCLUDE (10) 30A/2P & (4) 20A/1P. MAIN BREAKER SHALL BE A 100A SHUNT TRIP BREAKER. SHUNT TRIP DEVICE SHALL BE CONTROLLED BY THE EMERGENCY POWER OFF BUTTON LOCATED IN THE ROOM WITH THE PANEL.



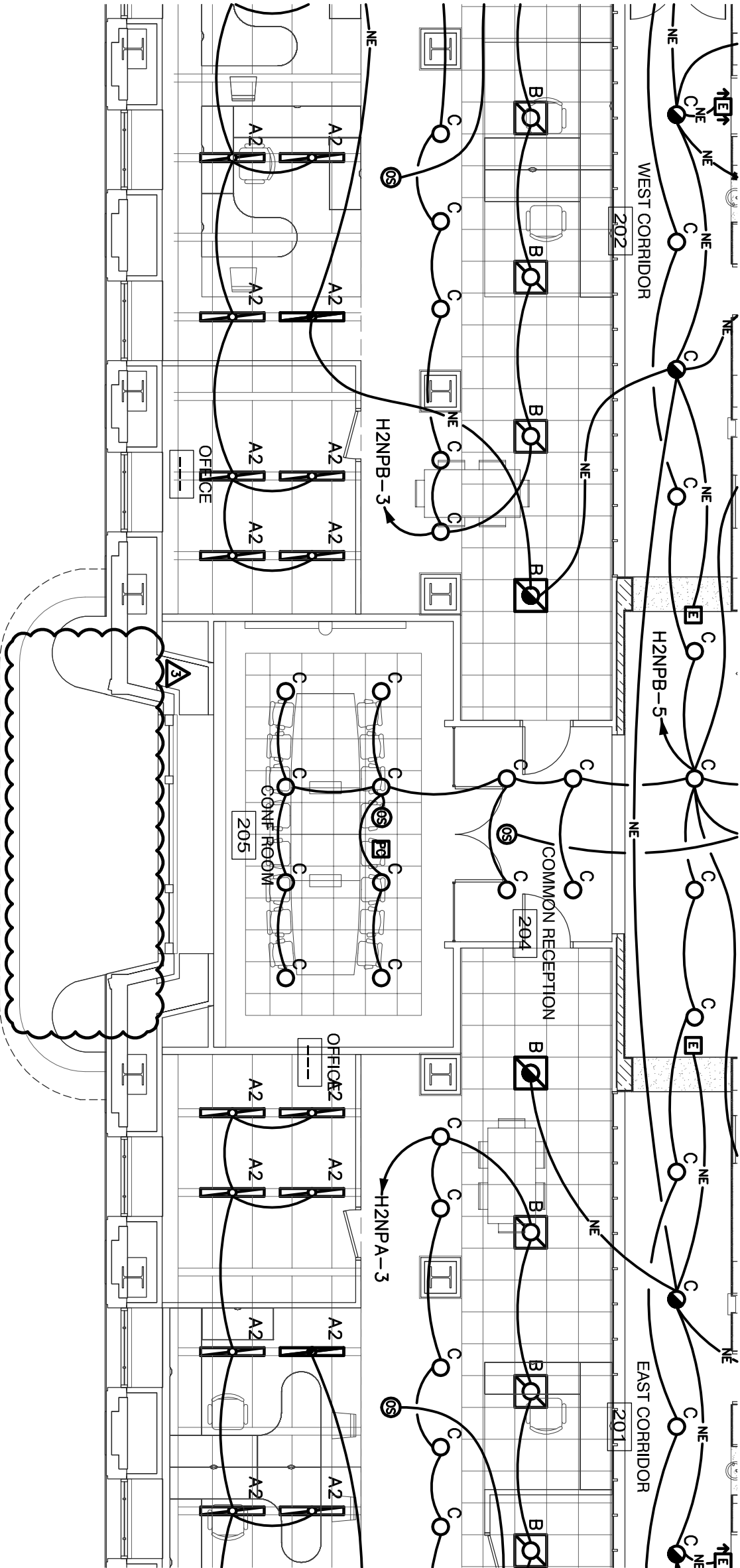


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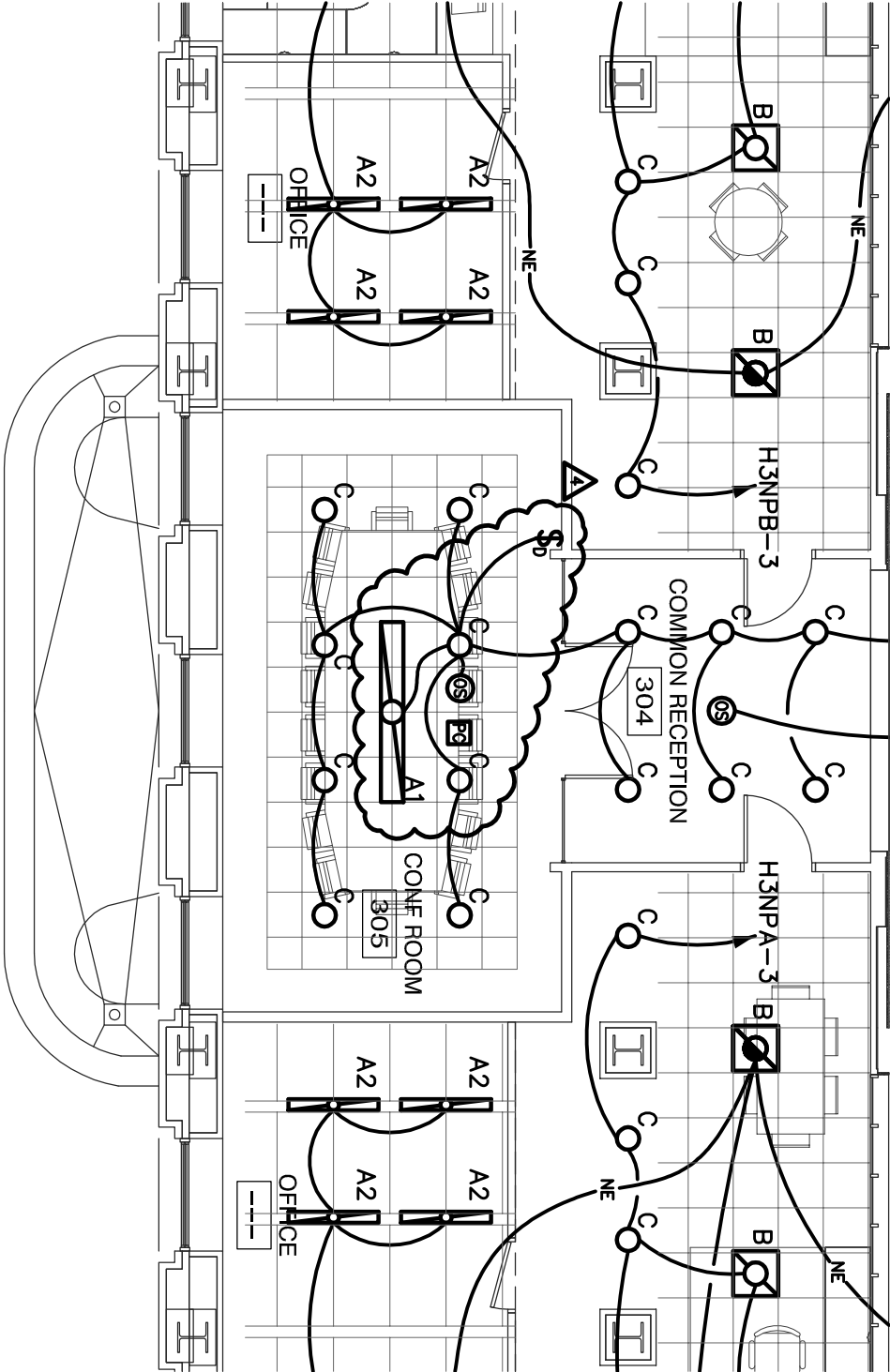
SKEL-101a

FIRST FLOOR PLAN - LIGHTING

1/8" = 1'-0"



1 SECOND FLOOR PLAN - LIGHTING  
SKEL-102 1/8" = 1'-0"



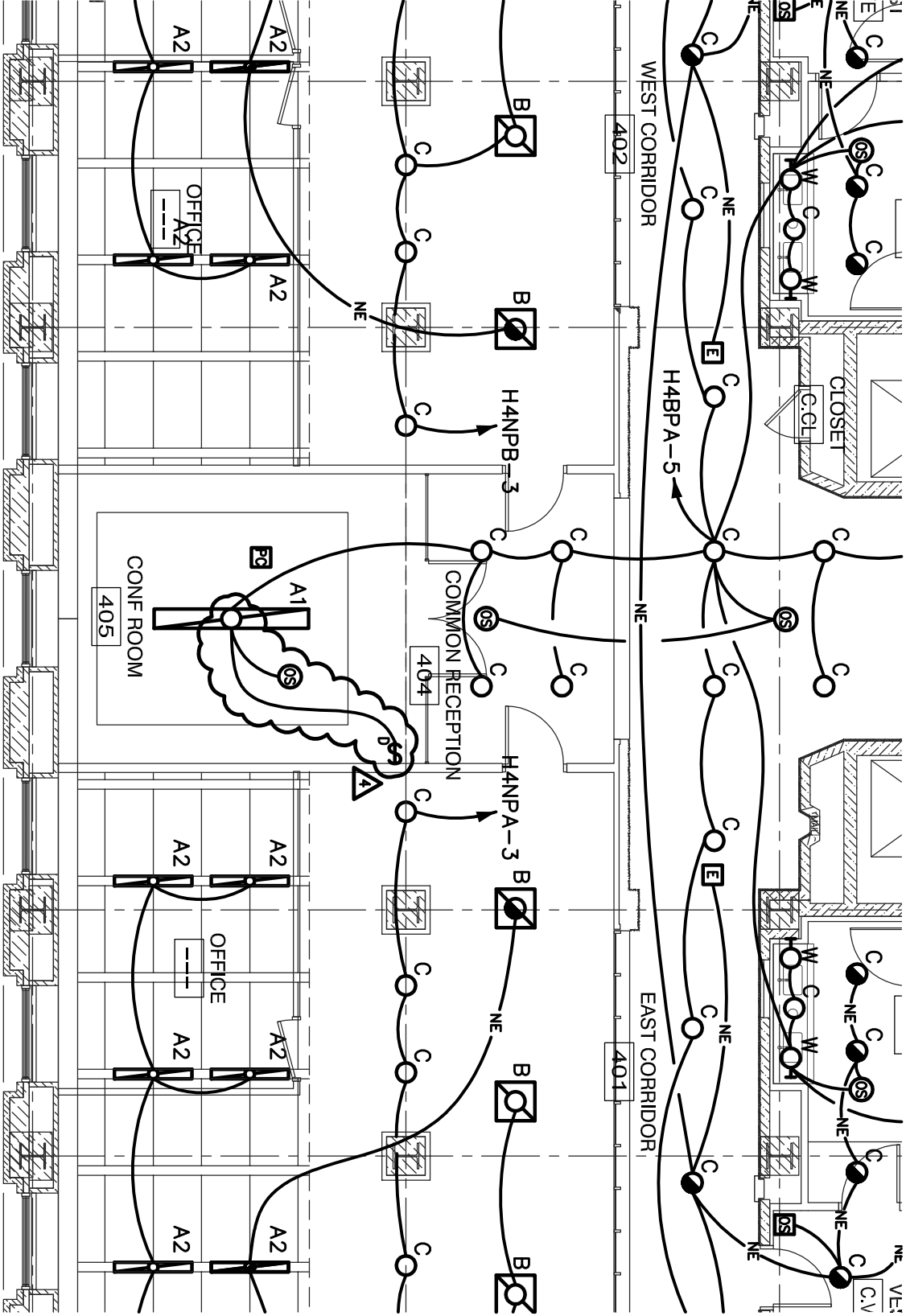
1

SKEL-103b

1/8" = 1'-0"

THIRD FLOOR PLAN - LIGHTING

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**FOUR**  
1/8" = 1'-0"

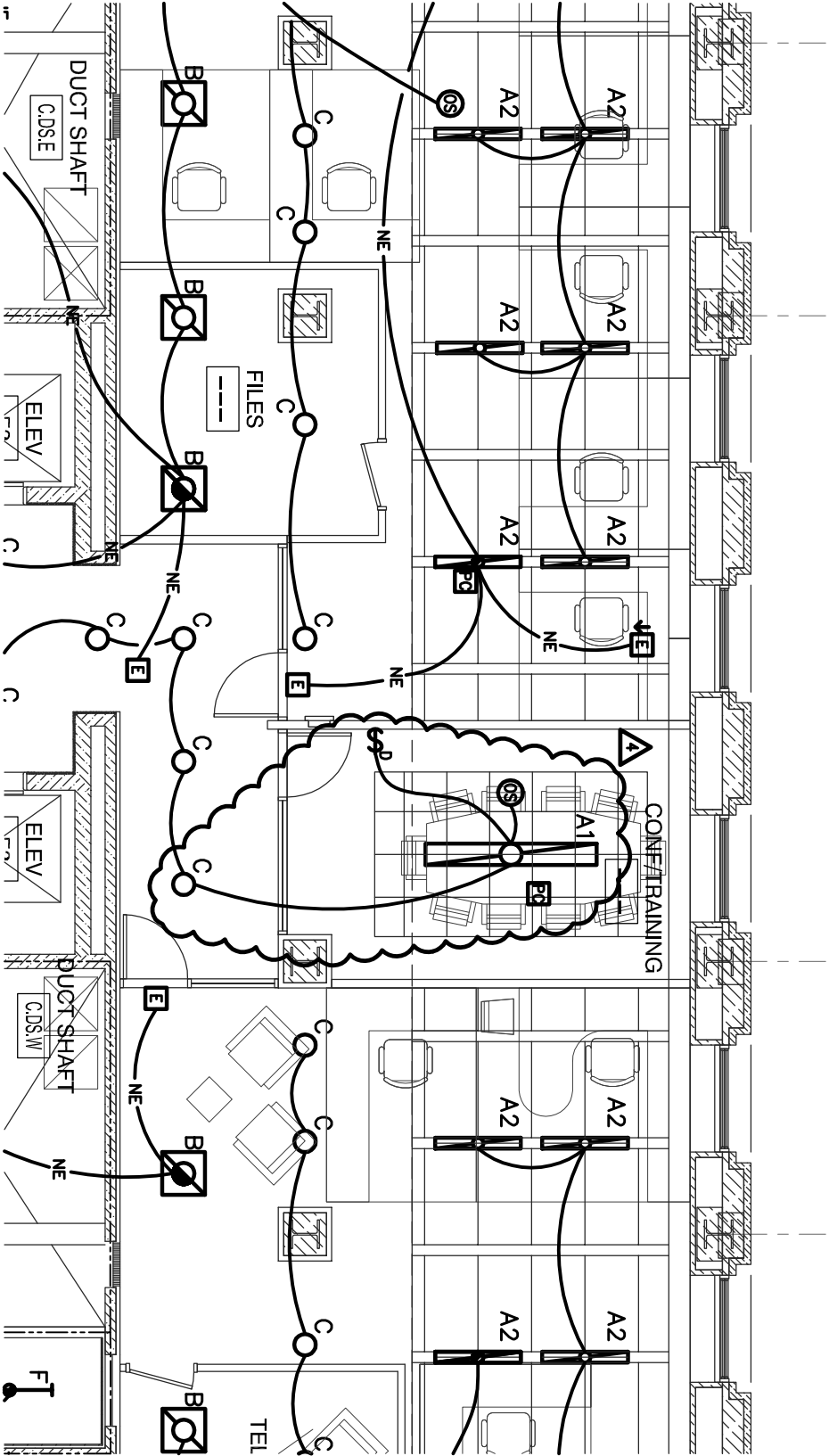
900 KANAWHA BOULEVARD EAST  
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RENOVATIONS**

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ADDENDUM #2	12/08/2010
ADDENDUM #3	1/21/2011
ADDENDUM #4	2/21/2011

**SKEL-104a**  
REFERENCE DWG X-XXX



1  
SKEL-105a 1/8" = 1'-0"

**FIFTH FLOOR PLAN - LIGHTING**

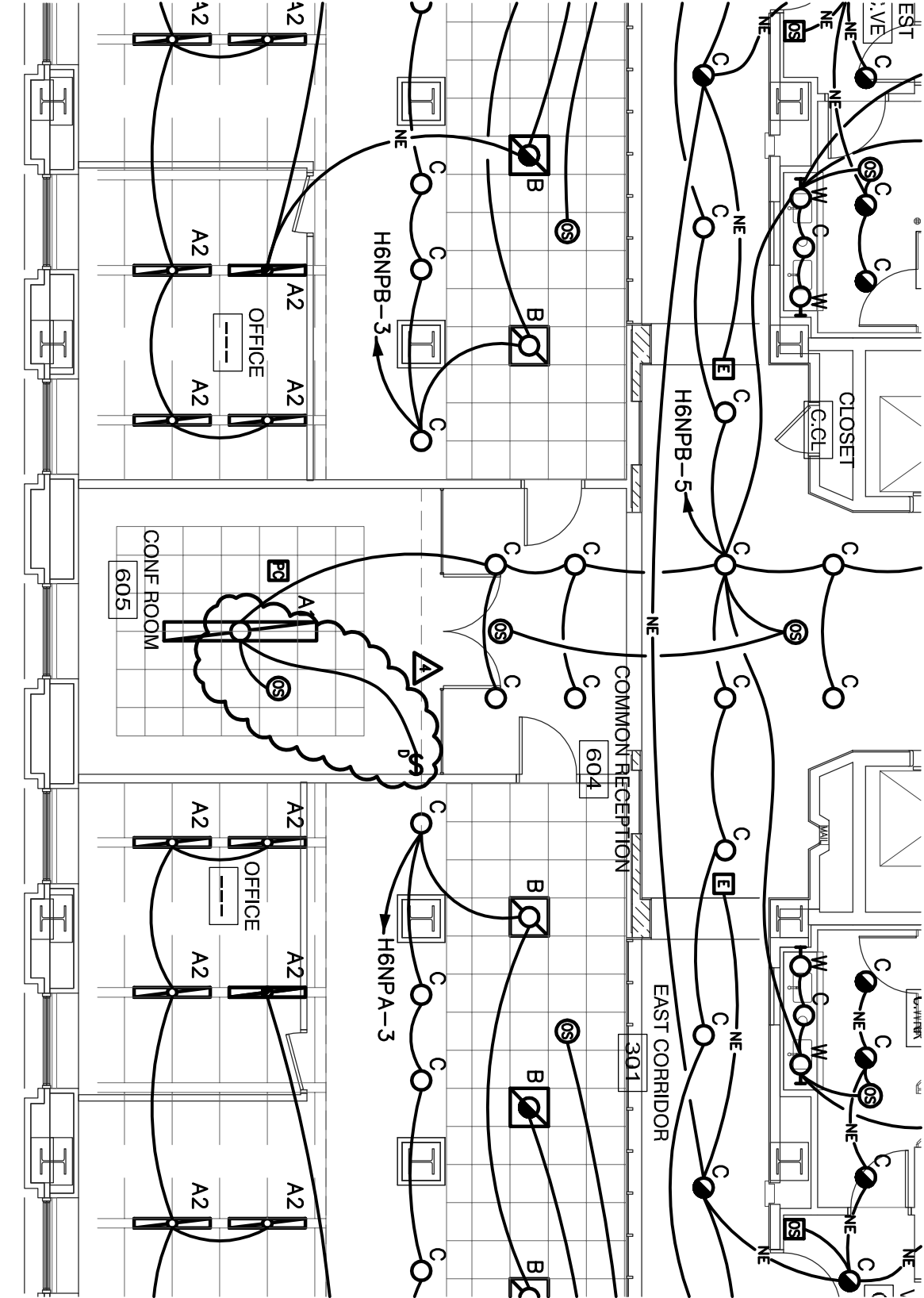
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ADDENDUM #2	12/08/2010
ADDENDUM #3	1/21/2011
ADDENDUM #4	2/21/2011

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FIFTH FLOOR PLAN -  
LIGHTING



1

SKEL-106a

SIXTH FLOOR PLAN - LIGHTING

1/8" = 1'-0"

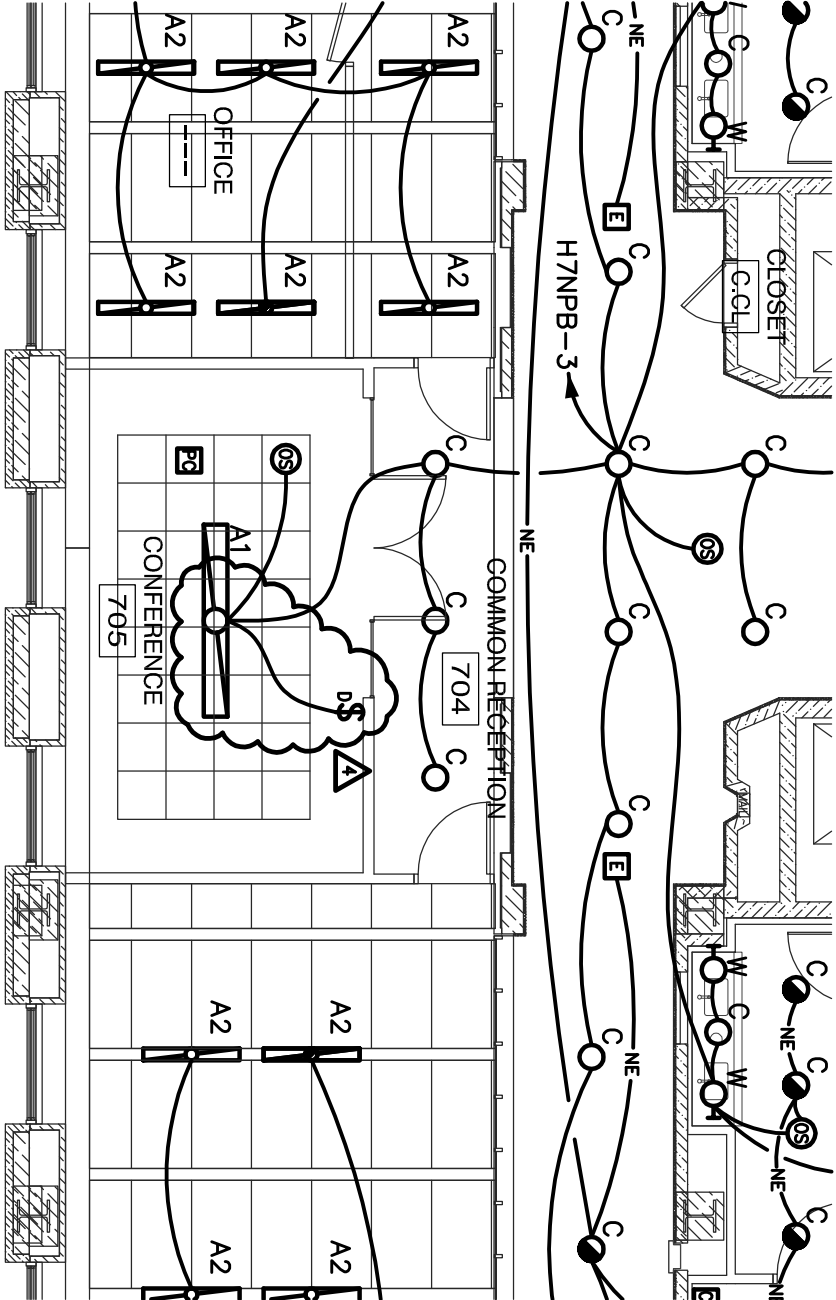
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ADDENDUM #3	1/21/2011
ADDENDUM #4	2/21/2011

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SKETCH TITLE -  
DISCIPLINE



1  
SEVENTH FLOOR PLAN - LIGHTING

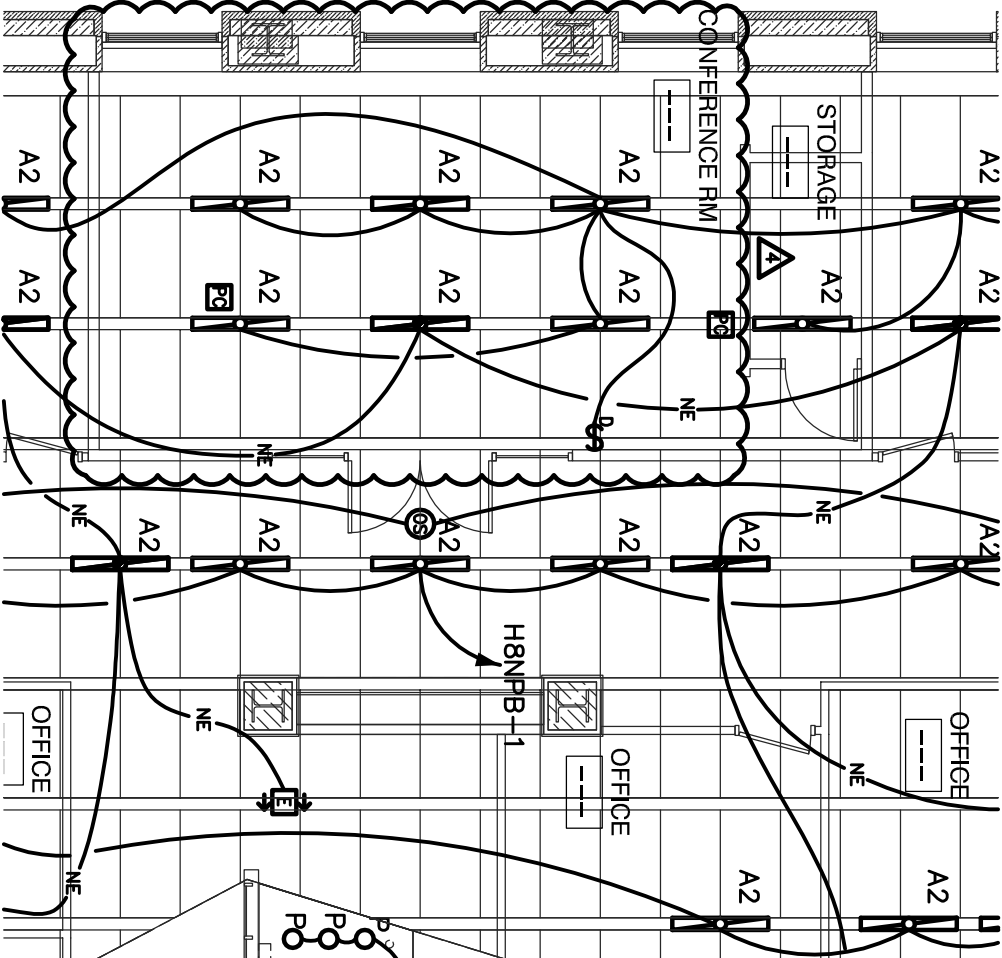
SKEL-107  
1/8" = 1'-0"

1

SKEL-108a

1/8" = 1'-0"

## EIGHTH FLOOR PLAN - LIGHTING

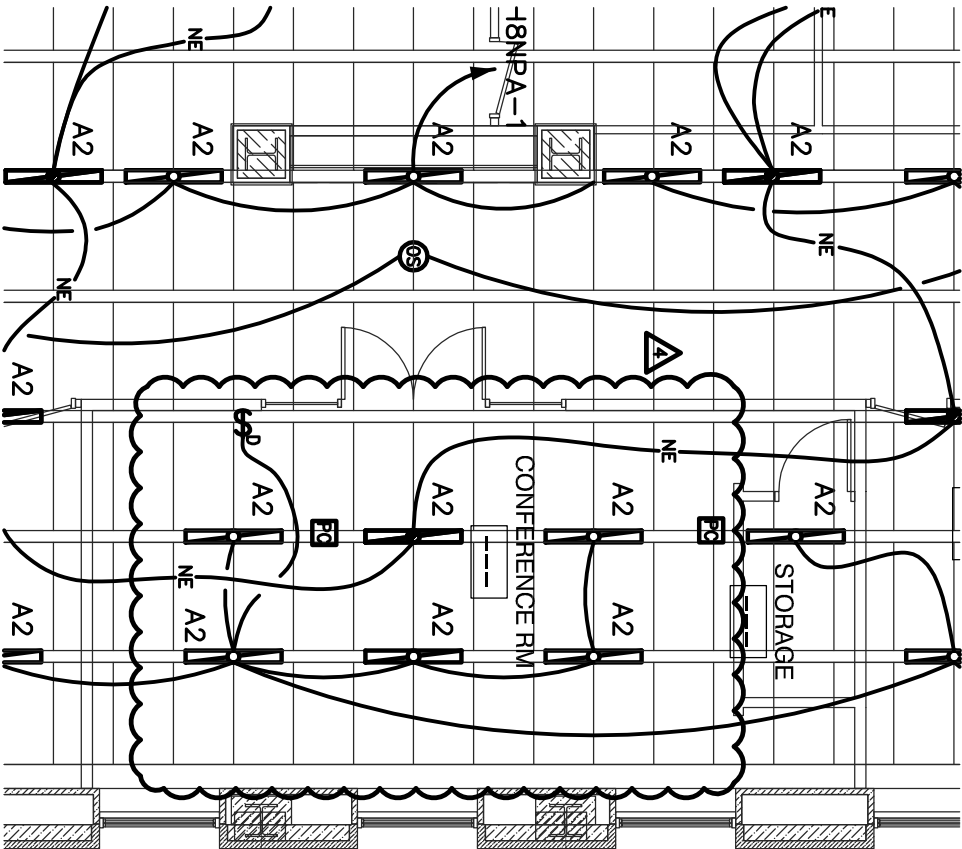


2

SKEL-108a

1/8" = 1'-0"

## EIGHTH FLOOR PLAN - LIGHTING

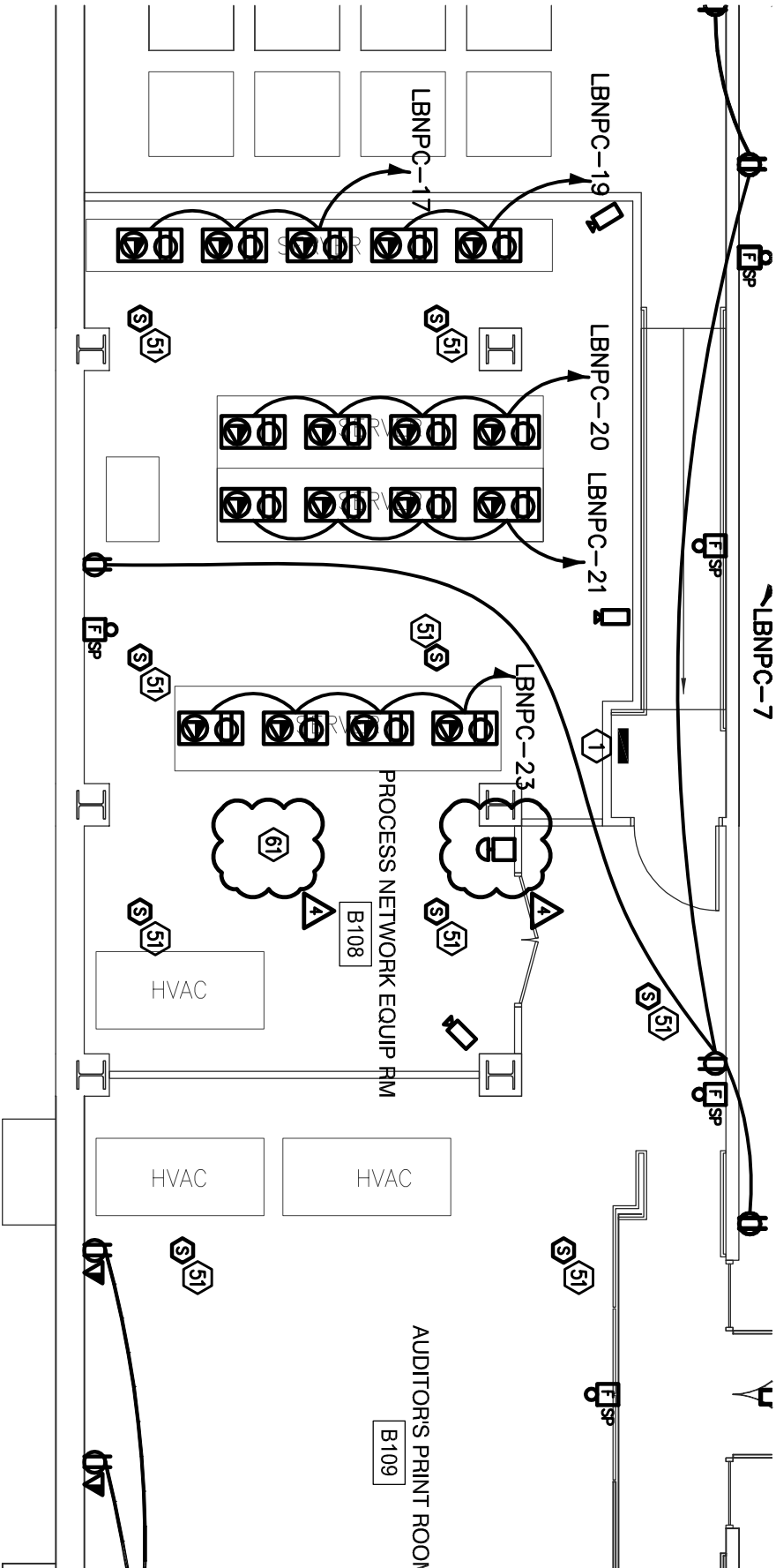




GENERAL NOTES

1. ALL FIRE ALARM DEVICES SHALL BE WHITE WITH RED LETTERING.

ADDITIONAL POWER OUTLETS SHALL BE PROVIDED IN THIS ROOM. PROVIDE (1) TWIST LOCK RECEPTACLE, JUNCTION BOX, CONDUIT, AND BRANCH CIRCUIT FOR EACH BREAKER IDENTIFIED IN NUMBERED NOTE #20 ON DRAWING E-601. THE EXACT LOCATION OF THESE RECEPTACLES SHALL BE IDENTIFIED IN THIS ROOM DURING CONSTRUCTION BY THE OWNER'S IT STAFF IN CHARGE OF THIS DATA CENTER. WHILE BID IS TO INCLUDE TWIST LOCK RECEPTACLES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE EXACT RECEPTACLE TYPE TO BE USED WITH THE EXISTING EQUIPMENT TO BE LOCATED IN THE ROOM.



BASEMENT FLOOR PLAN - POWER & SYSTEMS

1  
STEP-100  
1/8" = 1'-0"

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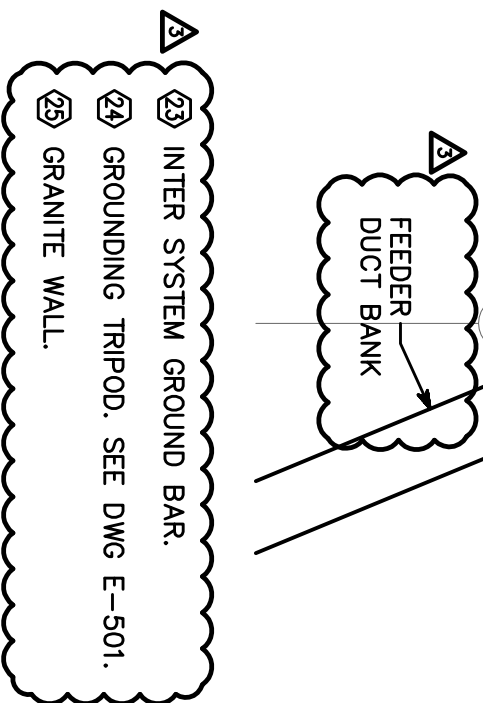
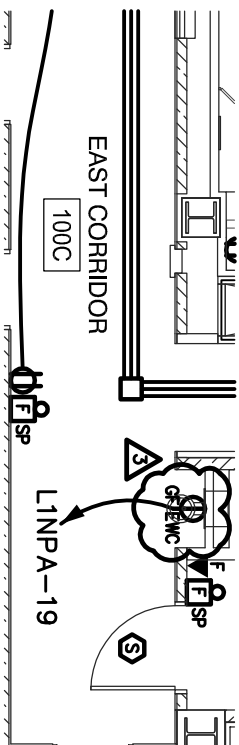
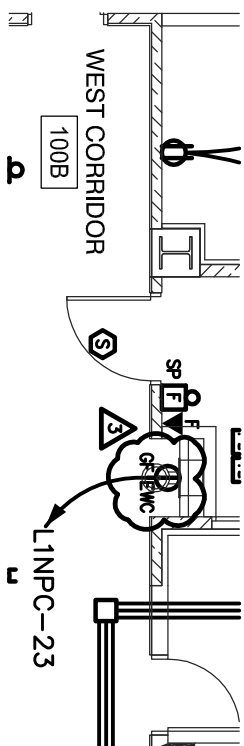
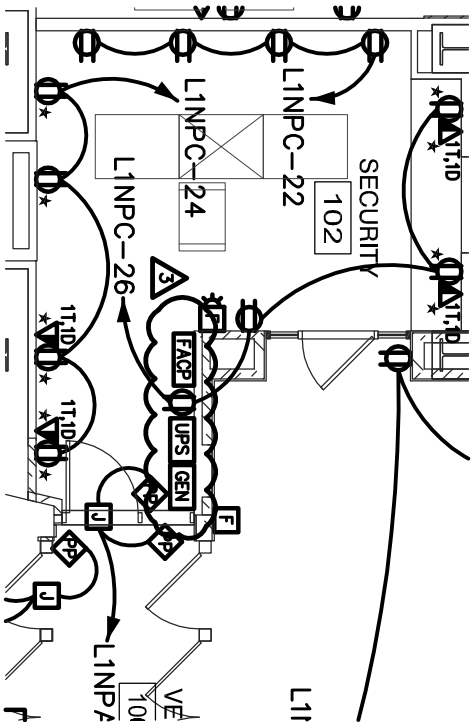
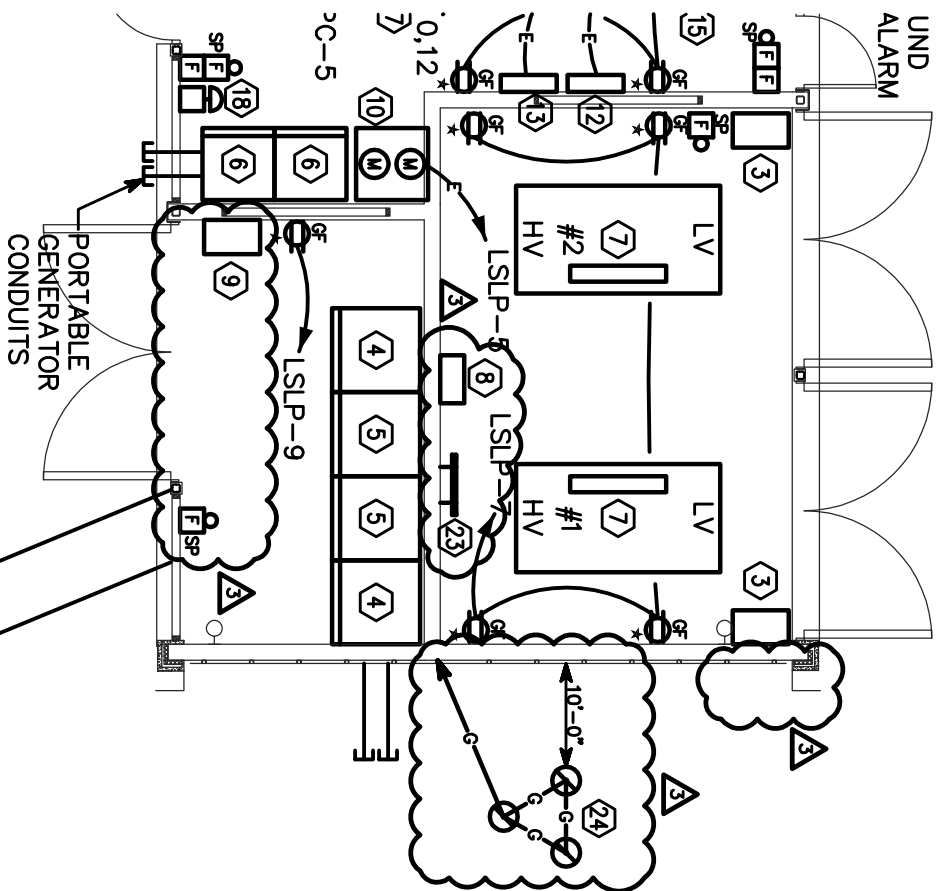
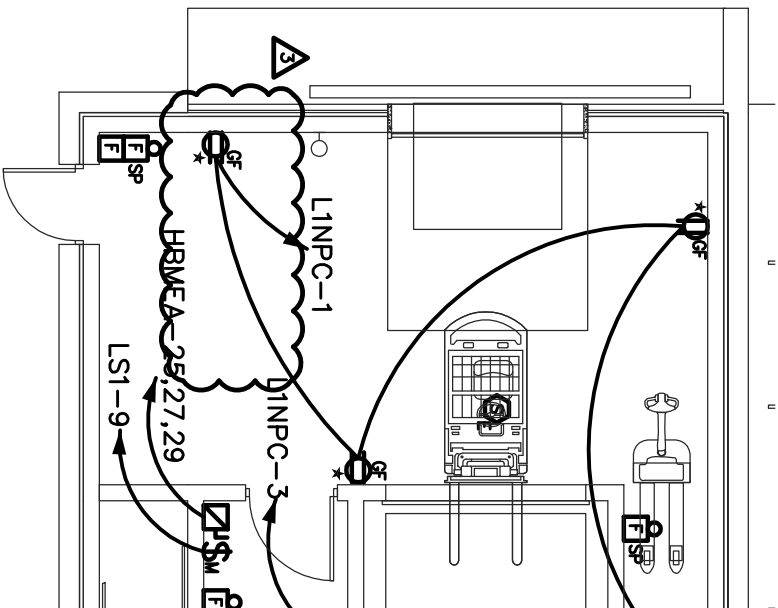
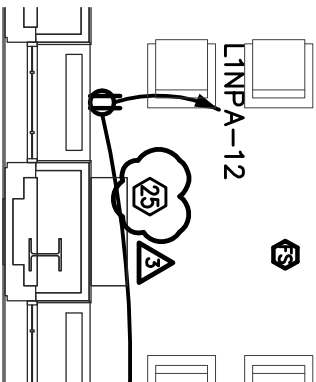
1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
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BASEMENT FLOOR PLAN -  
POWER & SYSTEMS

STEP-100  
REFERENCE DWG X-XXX



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## **FIRST FLOOR PLAN - POWER & SYSTEMS**

# **SKEP-101**

## FIRST FLOOR PLAN - POWER & SYSTEMS

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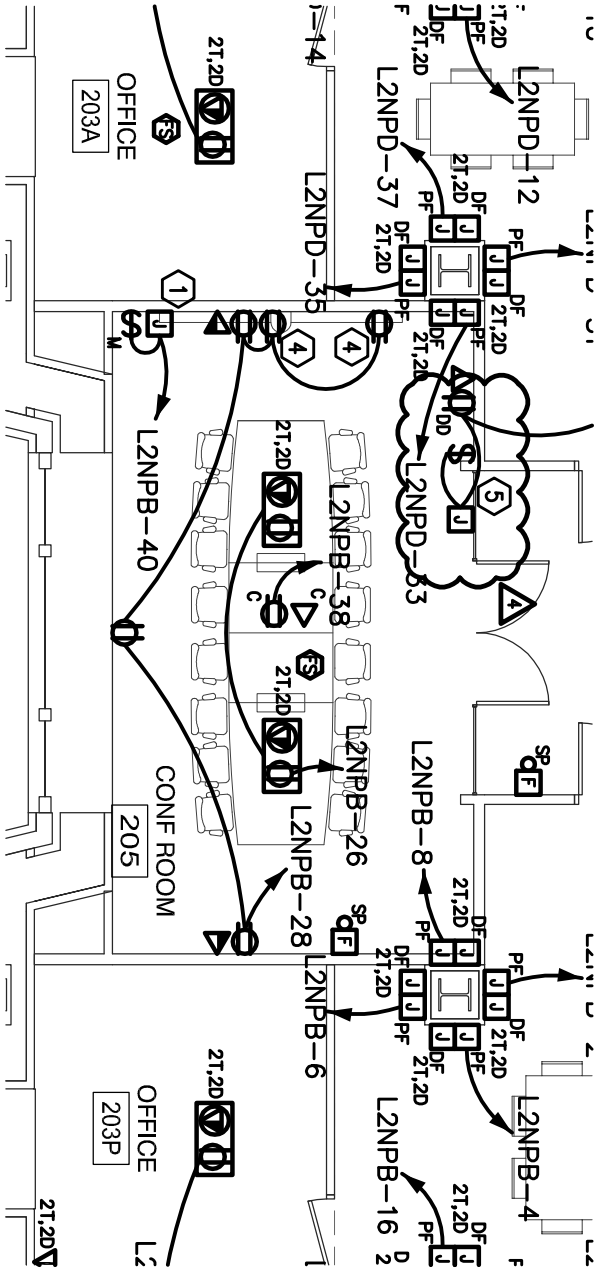
ADDENDUM #2 12/08/2010

12/08/2010

ADDENDUM #3 1/21/2017

1/21/2017

## FIRST FLOOR PLAN - POWER & SYSTEMS



1 SECOND FLOOR PLAN - POWER & SYSTEMS  
SKEP-102a 1/8" = 1'-0"

2. ALL FIRE ALARM DEVICES SHALL BE WHITE WITH RED LETTERING.

5. POWER SUPPLY FOR PRIVACY GLASS. WHEN SWITCH IS IN THE 'UP' POSITION, GLASS SHALL BE WHITE. WHEN SWITCH IS IN THE 'DOWN' POSITION, GLASS SHALL BE CLEAR.

PWVG PROJECT NO. 20703.00	
ADDENDUM #2	12/08/2010
ADDENDUM #3	1/21/2011
ADDENDUM #4	2/21/2011

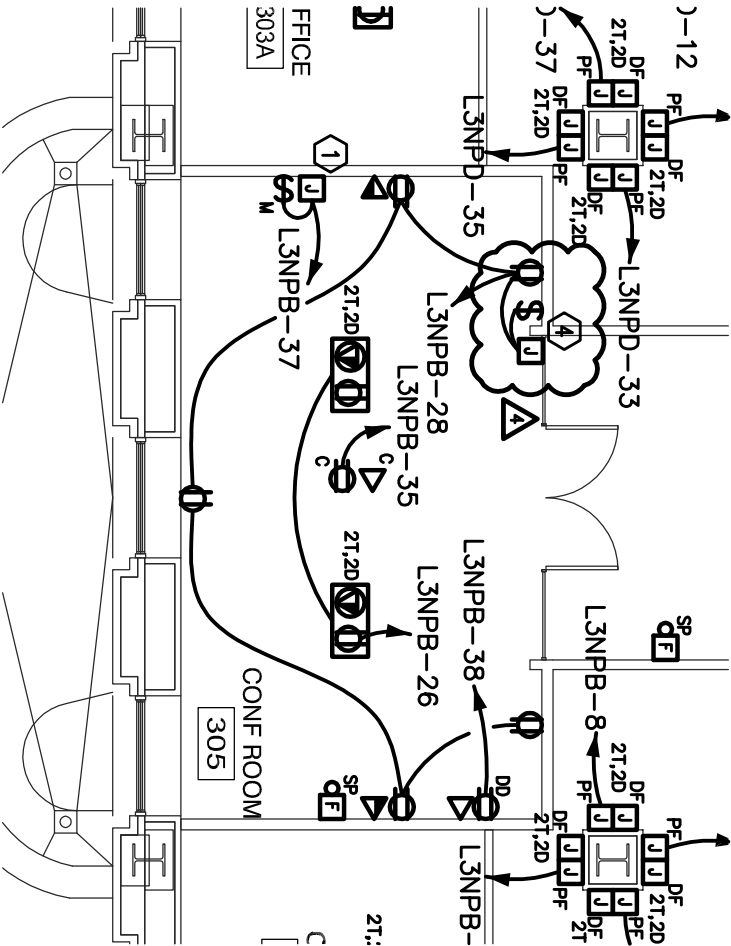
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SECOND FLOOR PLAN -  
POWER & SYSTEMS

2. ALL FIRE ALARM DEVICES SHALL BE WHITE WITH RED LETTERING.

4. POWER SUPPLY FOR PRIVACY GLASS. WHEN SWITCH IS IN THE 'UP' POSITION, GLASS SHALL BE WHITE. WHEN SWITCH IS IN THE 'DOWN' POSITION, GLASS SHALL BE CLEAR.



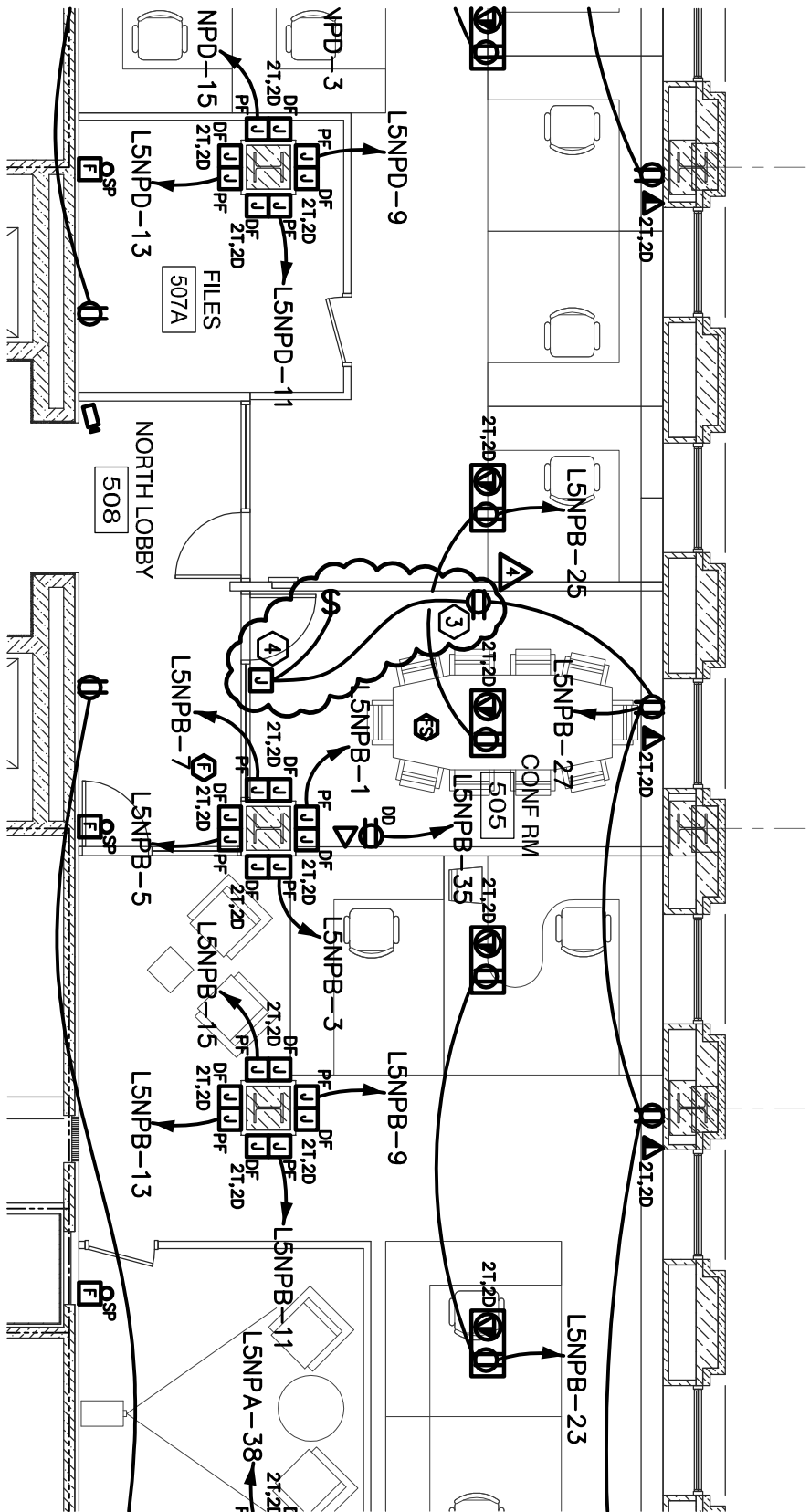
1  
SKEP-103  
1/8" = 1'-0"

**THIRD FLOOR PLAN - POWER & SYSTEMS**



2. ALL FIRE ALARM DEVICES SHALL BE WHITE WITH RED LETTERING.

4. POWER SUPPLY FOR PRIVACY GLASS. WHEN SWITCH IS IN THE 'UP' POSITION, GLASS SHALL BE WHITE. WHEN SWITCH IS IN THE 'DOWN' POSITION, GLASS SHALL BE CLEAR.



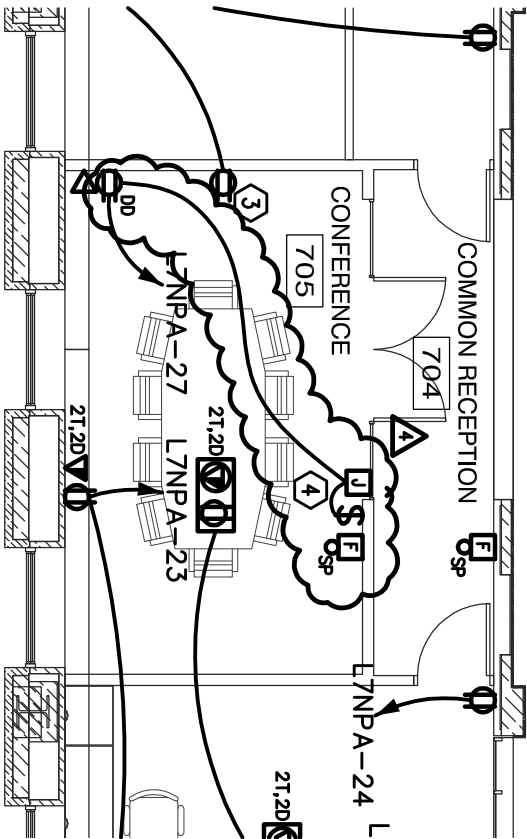
1  
SKEP-105 1/8" = 1'-0"

# FIFTH FLOOR PLAN - POWER & SYSTEMS



2. ALL FIRE ALARM DEVICES SHALL BE WHITE WITH RED LETTERING.

POWER SUPPLY FOR PRIVACY GLASS. WHEN SWITCH IS IN THE 'UP' POSITION, GLASS SHALL BE WHITE. WHEN SWITCH IS IN THE 'DOWN' POSITION, GLASS SHALL BE CLEAR.



1  
SKEP-107

1/8" = 1'-0"

SEVENTH FLOOR PLAN - POWER & SYSTEMS

PWVG PROJECT NO. 20703.00	
ADDENDUM #2	12/08/2010
ADDENDUM #3	1/21/2011
ADDENDUM #4	2/21/2011

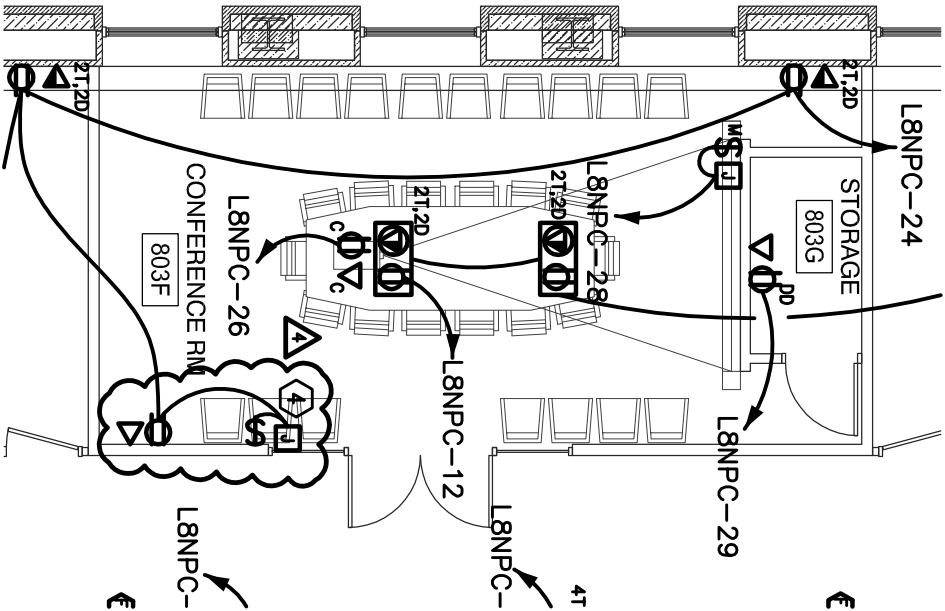
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OFFICE BUILDING NO. 3  
RENOVATIONS

1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305

SEVENTH FLOOR PLAN -  
POWER & SYSTEMS

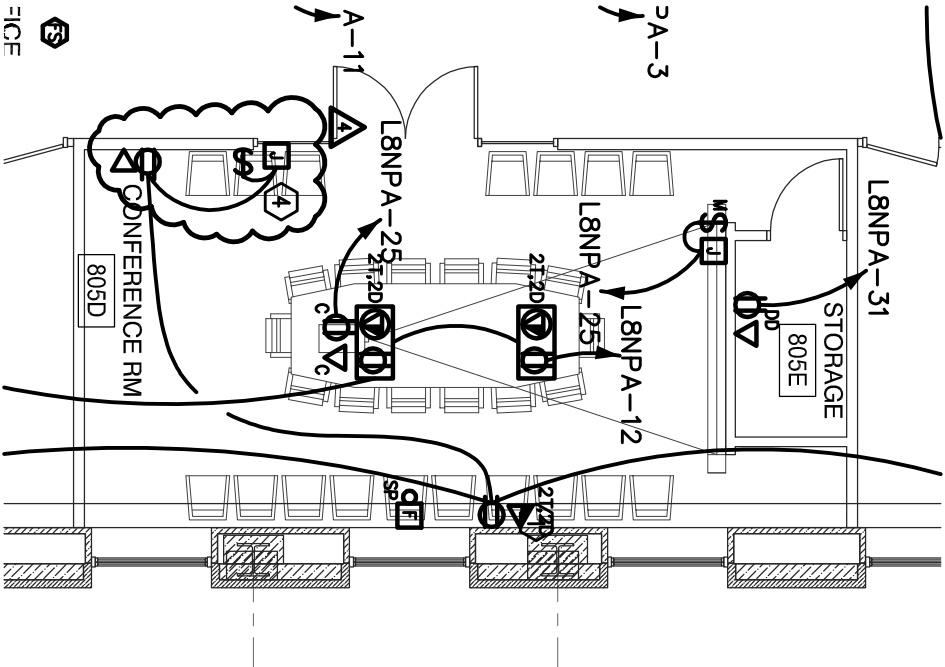




## EIGHTH FLOOR PLAN - POWER & SYSTEMS

1  
SKEP-108

1/8" = 1'-0"



## EIGHTH FLOOR PLAN - POWER & SYSTEMS

2  
SKEP-108

1/8" = 1'-0"

2. ALL FIRE ALARM DEVICES SHALL BE WHITE WITH RED LETTERING.

4. POWER SUPPLY FOR PRIVACY GLASS. WHEN SWITCH IS IN THE 'UP' POSITION, GLASS SHALL BE WHITE. WHEN SWITCH IS IN THE 'DOWN' POSITION, GLASS SHALL BE CLEAR.



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ADDENDUM #2	12/08/2010
ADDENDUM #3	1/21/2011
ADDENDUM #4	2/21/2011

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EIGHTH FLOOR PLAN -  
POWER & SYSTEMS

SKEP-108  
REFERENCE DWG X-XXX



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**GENERAL NOTES**

1. ALL FIRE ALARM DEVICES SHALL BE WHITE WITH RED LETTERING.

1  
SKEP-109b  
1/8" = 1'-0"

**PENTHOUSE PLAN - POWER & SYSTEMS**

PWVG PROJECT NO. 20703.00	
ADDENDUM #2	12/08/2010
ADDENDUM #3	1/21/2011
ADDENDUM #4	2/21/2011

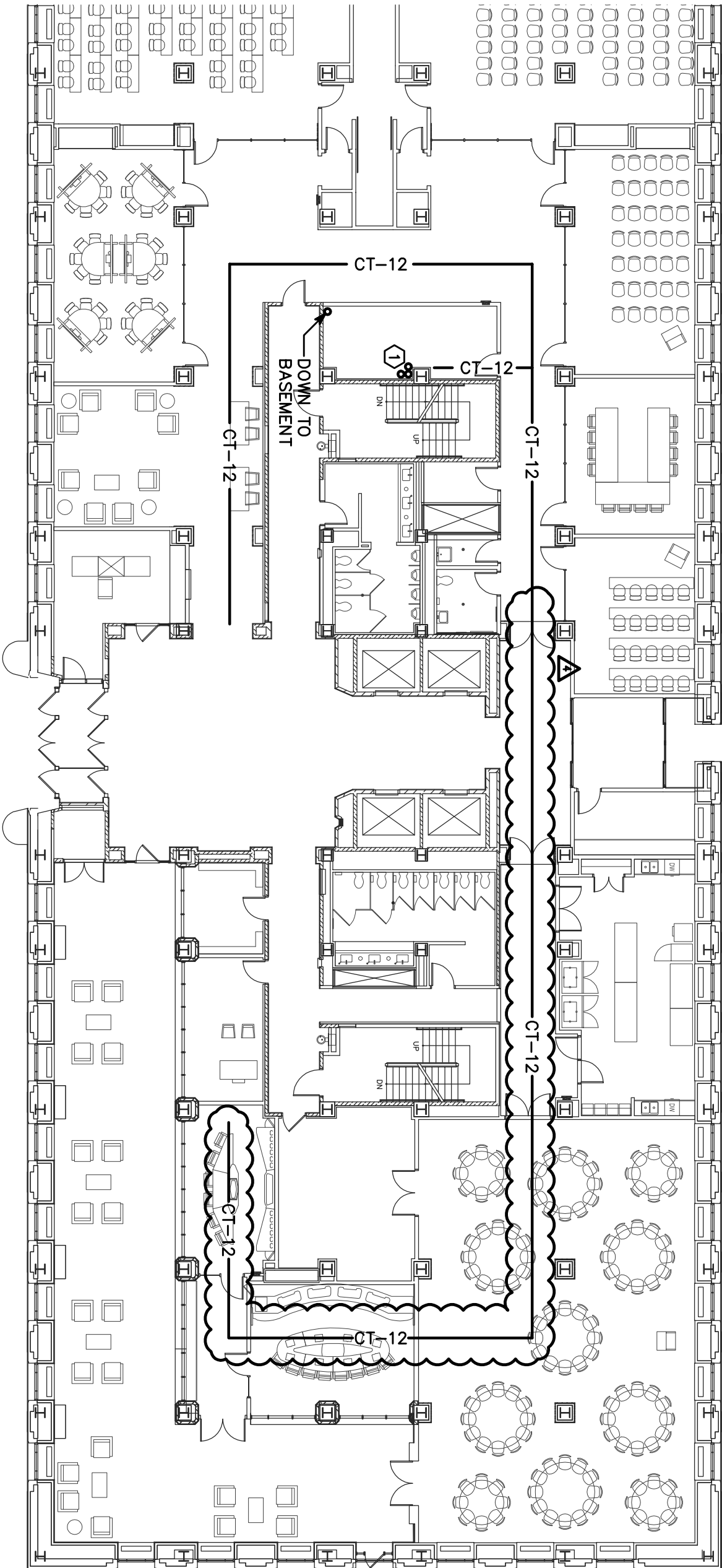
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PENTHOUSE PLAN -  
POWER & SYSTEMS

**SKEP-109b**  
REFERENCE DWG X-XXX



2

SKEP-110

**FIRST FLOOR PLAN - CABLE TRAY LAYOUT**

1/16" = 1'-0"

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CABLE TRAY LAYOUT

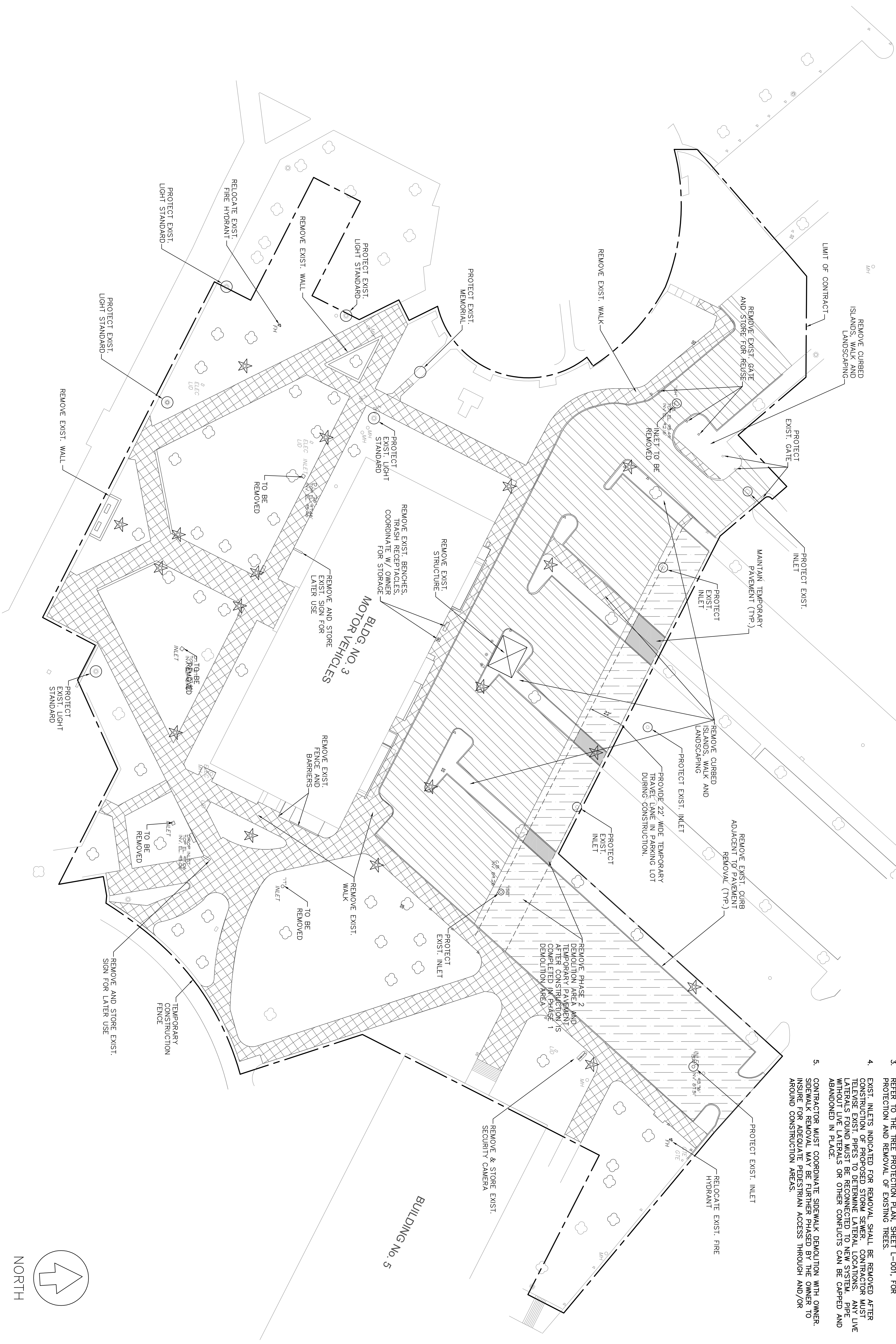
SKEP-110

REFERENCE DWG X-XXX

- LEGEND**
- PHASE 1 DEMOLITION
  - PHASE 2 DEMOLITION
  - SIDEWALK DEMOLITION
  - TEMPORARY PAVEMENT
  - EXIST. LIGHT STANDARD TO BE REMOVED AND STORED

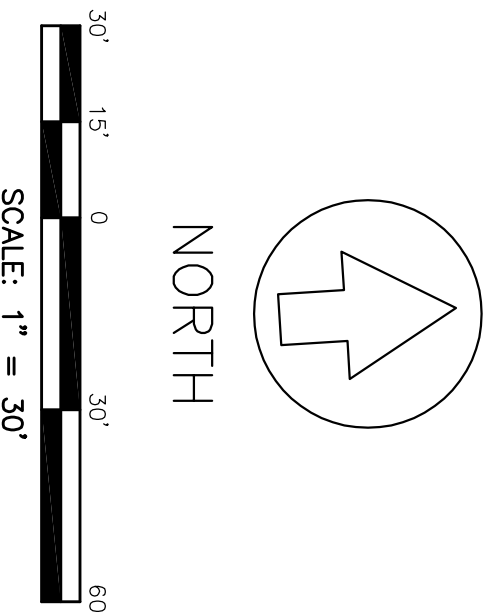
**DEMOLITION NOTES**

- PAVEMENT REMOVAL FOR UTILITY EXTENSIONS BEYOND THE HATCHED AREA IS NOT SHOWN ON THIS PLAN.
- SAWCUT THE EXISTING PAVEMENT IN A NEAT AND ORDERLY MANNER TO THE LIMITS SHOWN ON THIS DRAWING. REMOVE ALL EXISTING PAVEMENT WITHIN THE HATCHED AREA AND PROPERLY DISPOSE OF IT. ANY SUITABLE AGGREGATE SUBBASE MATERIAL MAY BE REUSED FOR FILL. ALL MATERIAL SHALL BE REMOVED TO SUBGRADE UNDER AREAS TO BE TOPSOILED, SEEDED AND MULCHED.
- REFER TO THE TREE PROTECTION PLAN, SHEET L-001, FOR PROTECTION AND REMOVAL OF EXISTING TREES.
- EXIST. INLETS INDICATED FOR REMOVAL SHALL BE REMOVED AFTER CONSTRUCTION OF PROPOSED STORM SEWER. CONTRACTOR MUST PROTECT EXISTING SIDEWALKS AND RECONNECT TO NEW SYSTEM. PIPE LATERALS EXIST AND MUST BE RECONNECTED TO NEW SYSTEM. PIPE WITHOUT LIVE LATERALS OR OTHER CONFLICTS CAN BE CAPPED AND ABANDONED IN PLACE.
- CONTRACTOR MUST COORDINATE SIDEWALK DEMOLITION WITH OWNER. SIDEWALK REMOVAL MAY BE FURTHER PHASED BY THE OWNER TO INSURE FOR ADEQUATE PEDESTRIAN ACCESS THROUGH AND/OR AROUND CONSTRUCTION AREAS.



**1 DEMOLITION PLAN**

CD-001 SCALE: 1" = 30'



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412.3911 57 FX  
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OL ENGINEERING  
208 Bourse Street  
Pittsburgh, PA 15202-1622  
paul@oleng.com  
CD Project #07-006

PWVG PROJECT NO. 20702300  
100% CD SUBMISSION OCTOBER 8, 2010  
ADDENDUM #2 DECEMBER 8, 2010  
ADDENDUM #3 JANUARY 21, 2011

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RENOVATION

1900 KANAWHA BOULEVARD EAST  
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SITE DEMOLITION PLAN

CD-001



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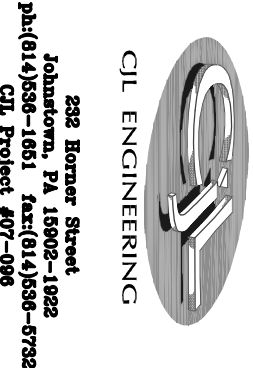
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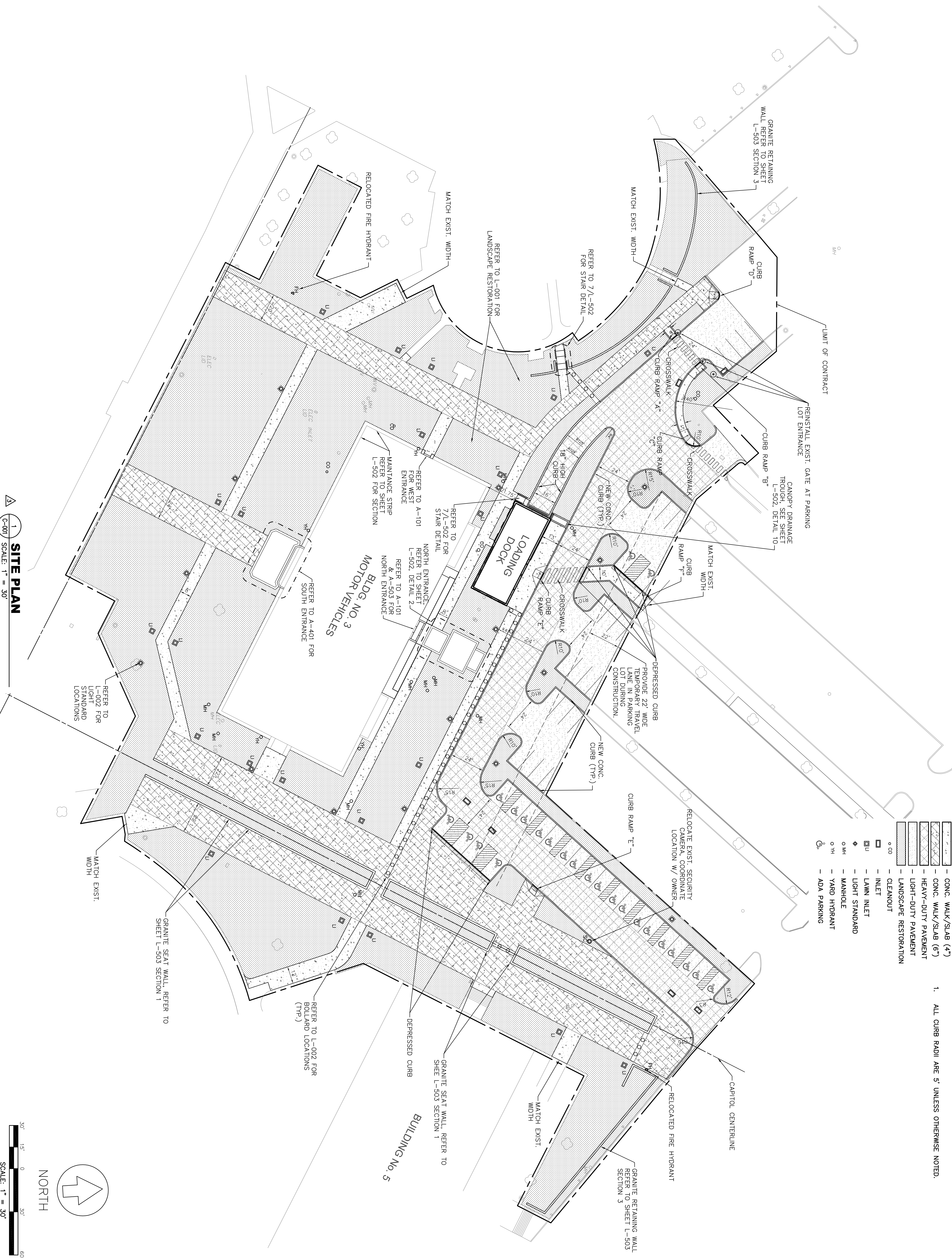
C-001

LEGEND

- CONC. WALK/SLAB (4")
- CONC. WALK/SLAB (6")
- HEAVY-DUTY PAVEMENT
- LIGHT-DUTY PAVEMENT
- LANDSCAPE RESTORATION
- CLEANOUT
- INLET
- LAWN INLET
- LIGHT STANDARD
- MANHOLE
- YARD HYDRANT
- ADA PARKING

SITE PLAN NOTES

- ALL CURB RADII ARE 5' UNLESS OTHERWISE NOTED.



1 SITE PLAN

C-001 SCALE: 1" = 30'

PWVG PROJECT NO. 20703.00  
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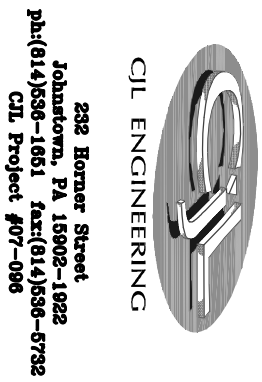
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SITE PLAN



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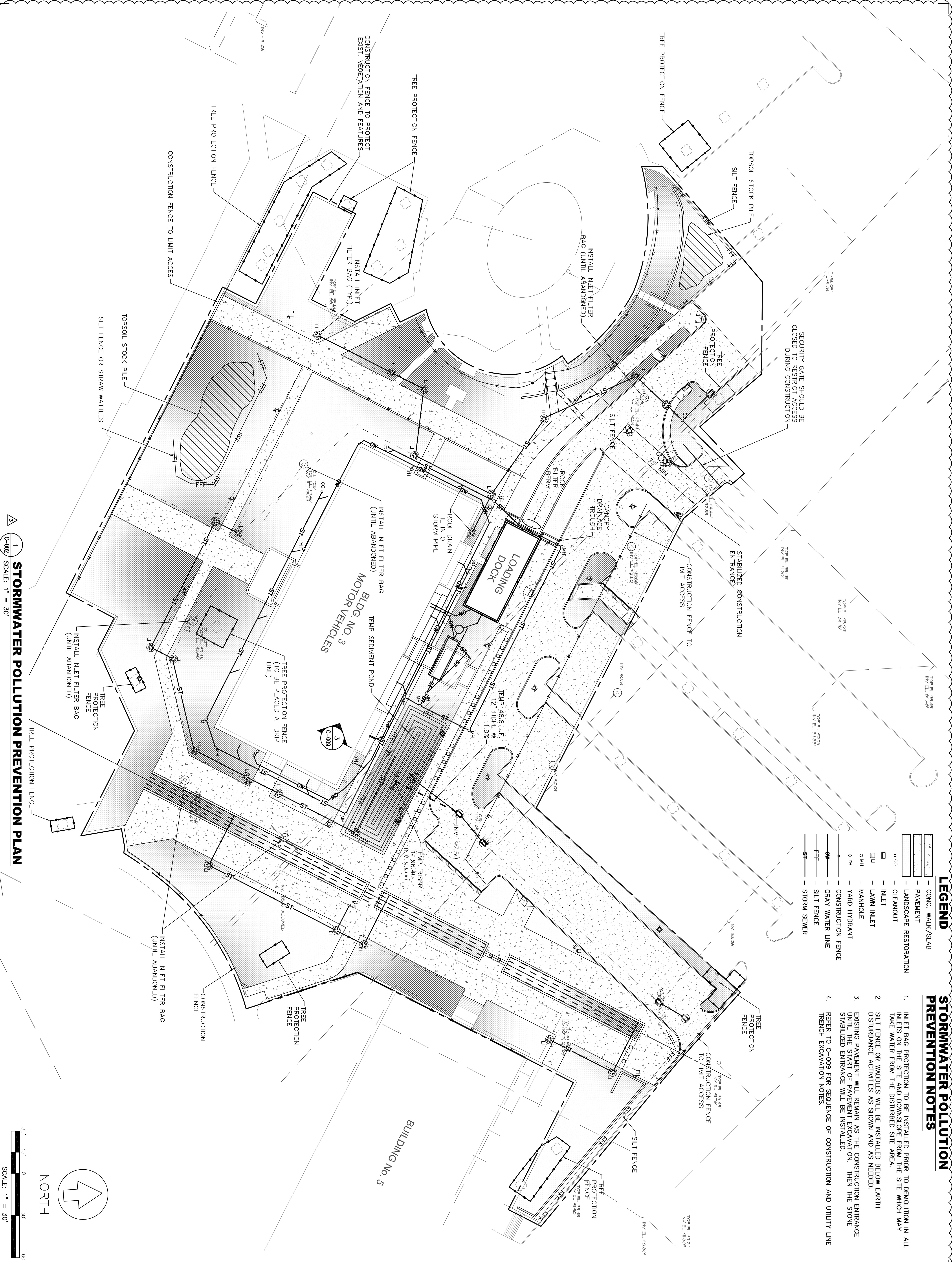
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1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305  
STORMWATER POLLUTION  
PREVENTION PLAN  
C-002

## STORMWATER POLLUTION PREVENTION NOTES

1. INLET BAG PROTECTION TO BE INSTALLED PRIOR TO DEMOLITION IN ALL INLETS ON THE SITE AND DOWNSLOPE FROM THE SITE WHICH MAY TAKE WATER FROM THE DISTURBED SITE AREA.
2. SILT FENCE OR WADLES WILL BE INSTALLED BELOW EARTH DISTURBANCE ACTIVITIES AS SHOWN AND AS NEEDED
3. EXISTING PAVEMENT WILL REMAIN AS THE CONSTRUCTION ENTRANCE UNTIL THE START OF PAVEMENT EXCAVATION. THEN THE STONE STABILIZED ENTRANCE WILL BE INSTALLED.
4. REFER TO C-009 FOR SEQUENCE OF CONSTRUCTION AND UTILITY LINE TRENCH EXCAVATION NOTES.

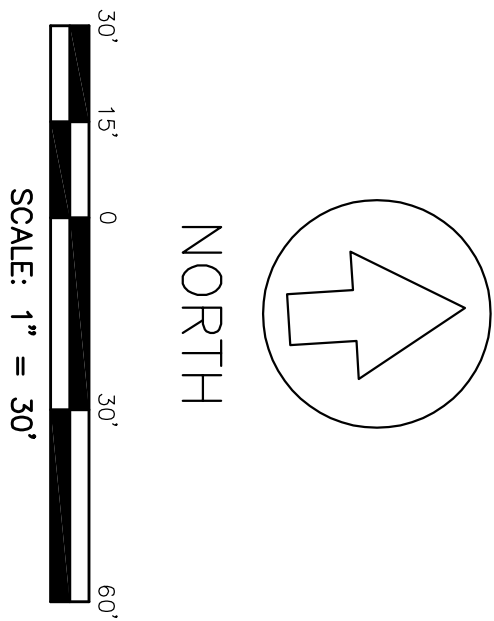
## LEGEND

- CONC. WALK/SLAB
- PAVEMENT
- LANDSCAPE RESTORATION
- CLEANOUT
- INLET
- LAWN INLET
- MANHOLE
- YARD HYDRANT
- CONSTRUCTION FENCE
- GRAY WATER LINE
- SILT FENCE
- STORM SEWER



## STORMWATER POLLUTION PREVENTION PLAN C-002

SCALE: 1" = 30'





## PAVEMENT INLET TABULATION

## STORM CLEANOUT TABULATION

- PI 1  
TG, 95.47  
INV, IN (EXIST.) TBfV  
INV, IN (EXIST.) TBfV  
INV, IN (INLET No. 2) TBD  
INV OUT (EXIST.) TBfV
- PI 2  
TG, 94.86  
INV, OUT TBD
- PI 3  
TG, 95.83  
INV, IN (EXIST.) TBfV  
INV, IN (INLET No. 4) 91.22

- |           |           |
|-----------|-----------|
| ST CO 1   | ST CO 2   |
| TOP 99.5  | TOP 99.3  |
| INV 97.50 | INV 96.00 |
|           | ST CO 3   |
|           | TOP 97.7  |
|           | INV 93.31 |
| ST CO 4   |           |
| TOP 96.4  |           |
| INV 91.40 |           |

- PI 4  
TG 95.99  
INV. IN (LAWN INLET No. 6) 92.50  
INV. OUT 92.30
- PI 5  
TG 95.58  
INV. IN (LAWN INLET No. 15) 91.95  
INV. OUT 91.75

## LAWN INLET TABULATION

- LI. 1  
TG 96.85  
INV. IN (LI 2) 91.58  
INV. IN/OUT (EXIST) TBFV
- LI 2  
TG 95.78  
INV IN/OUT 92.07

- |                   |       |
|-------------------|-------|
| LI 3              |       |
| TG 96.74          |       |
| INV IN (LI 4)     | 92.80 |
| INV IN/OUT (LI 5) | 91.31 |
| LI 4              |       |
| TG 96.50          |       |
| INV IN/OUT        | 93.00 |

- LI 5  
TG 96.93  
INV IN/OUT 93.42  
LI 6  
TG 96.58  
INV IN (6" ORIFICE) 94.50  
INV OUT 93.58

- LI. 7  
TG 97.65  
INV. IN/OUT 93.30

- |                  |  |
|------------------|--|
| LI 8             |  |
| TG 97.09         |  |
| INV IN/OUT 93.60 |  |
| LI 9             |  |
| TG 96.96         |  |
| INV IN/OUT 93.72 |  |

- |                  |  |
|------------------|--|
| LI 10            |  |
| TG 97.65         |  |
| INV IN/OUT 94.00 |  |
| LI 11            |  |
| TG 97.67         |  |
| INV IN/OUT 94.43 |  |

- |                  |  |
|------------------|--|
| LI 12            |  |
| TG 97.59         |  |
| INV IN/OUT 94.59 |  |
| LI 13            |  |
| TG 98.60         |  |
| INV IN/OUT 95.52 |  |

- |                  |  |
|------------------|--|
| LI 14            |  |
| TG 98.68         |  |
| INV OUT 95.68    |  |
| LI 15            |  |
| TG 96.17         |  |
| INV IN/OUT 93.67 |  |


- |                  |  |
|------------------|--|
| LI 16            |  |
| TG 97.03         |  |
| INV IN/OUT 93.37 |  |
| LI 17            |  |
| TG 97.40         |  |
| INV IN/OUT 94.00 |  |

- |               |
|---------------|
| LI 18         |
| TG 97.17      |
| INV OUT 94.17 |
| LI 19         |
| TG 98.73      |

- LI 20  
TG 99.50  
INV IN/OUT 96.50

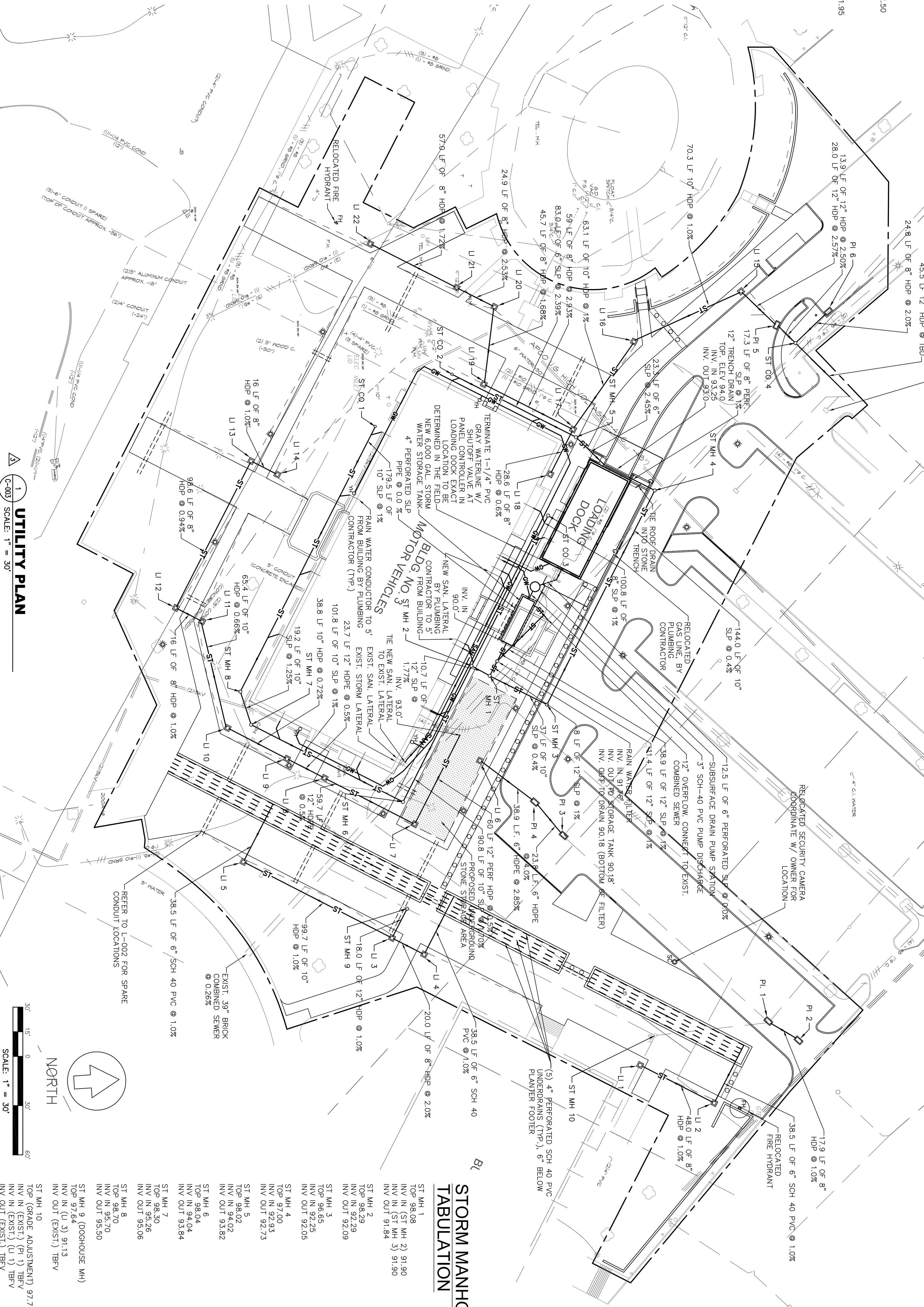
- LI 22
- 
- TG 101.11

## LEGEND

- |   |   |                      |
|---|---|----------------------|
| o co  | — | CLEANOUT             |
|  | — | INLET                |
| cu  | — | LAWN INLET           |
| +   | — | LIGHT STANDARD       |
| o mh  | — | MANHOLE              |
| o yh  | — | YARD HYDRANT         |
| sw  | — | GRAY WATER LINE      |
| san   | — | SANITARY SEWER       |
| sf  | — | STORM SEWER          |
| tbd   | — | TO BE DETERMINED     |
| tbv   | — | TO BE FIELD VERIFIED |

## UTILITY NOTES

1. CONTRACTOR TO VERIFY INVERT AND TOP ELEVATIONS OF EXISTING 39  
BRICK SEWER PRIOR TO START OF CONSTRUCTION. CONTRACTOR MUST  
INFORM OWNER AND ENGINEER OF ANY POTENTIAL CONFLICTS ARISING  
FROM THESE FINDINGS.
2. CONTRACTOR SHALL ADJUST TOPS OF EXISTING MANHOLES, VALVE  
CHAMBERS, UTILITY BOXES, AND INLET TO NEW FINAL GRADE ELEVATIONS.
3. LOCATION OF EXISTING UNDERGROUND UTILITIES PROVIDED BY  
ARCHITECT



# STORM MANHOLE TABULATION

- ```
ST MH 1
TOP 98.08
INV IN (ST MH 2) 91.90
INV IN (ST MH 3) 91.90
INV OUT 91.84
```

- ST MH 2  
TOP 98.29  
INV IN 92.29  
INV OUT 92.09  
ST MH 3

- ST MH 4  
TOP 97.00  
INV IN 92.05  
INV OUT 92.05

- INV OUT 92.73  
ST MH 5  
TOP 98.02  
INV IN 94.02  
INV OUT 93.82

- ST MH 6  
TOP 98.04  
INV IN 94.04  
INV OUT 93.84

- TOP 98.30  
INV IN 95.26  
INV OUT 95.06  
ST MH 8  
TOP 98.70  
INV IN 97.70

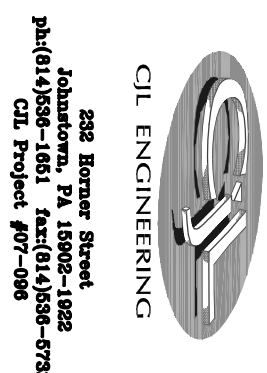
- INV OUT 95.50  
ST MH 9 (DOG  
TOP 97.64  
INV IN (LI 3) 9  
INV OUT (EXIST

- TOP (GRADE ADJUSTMENT) 97.7  
INV IN (EXIST.) (PI 1) TBFV  
INV IN (EXIST.) (LI 1) TBFV  
INV QUT (EXIST) TBFV

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OFFICE BUILDING NO.3  
RENOVATION

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BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305

SITE UTILITY PLAN

C-003







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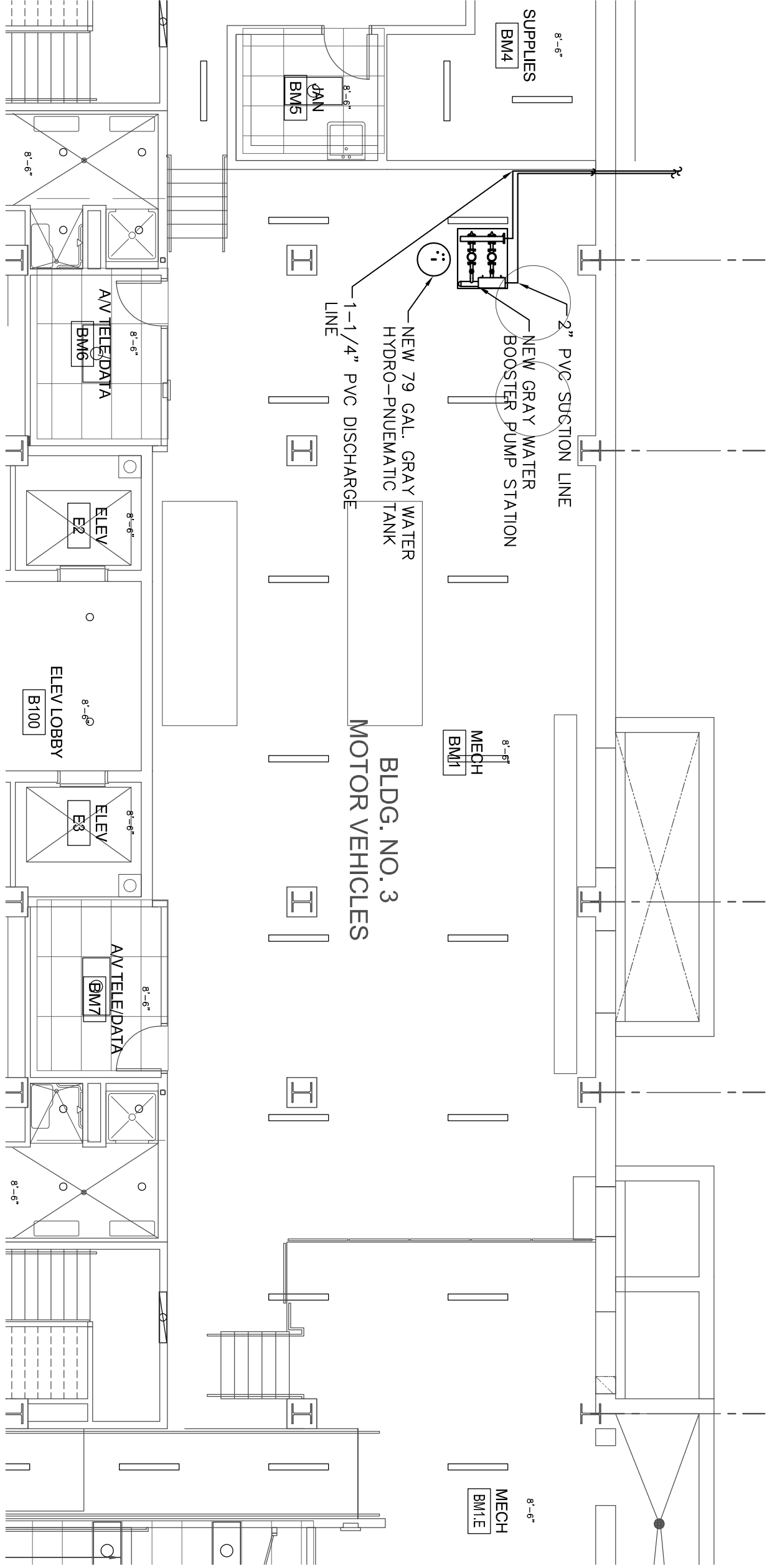
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228 Boston Street  
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CEN Project #07-006

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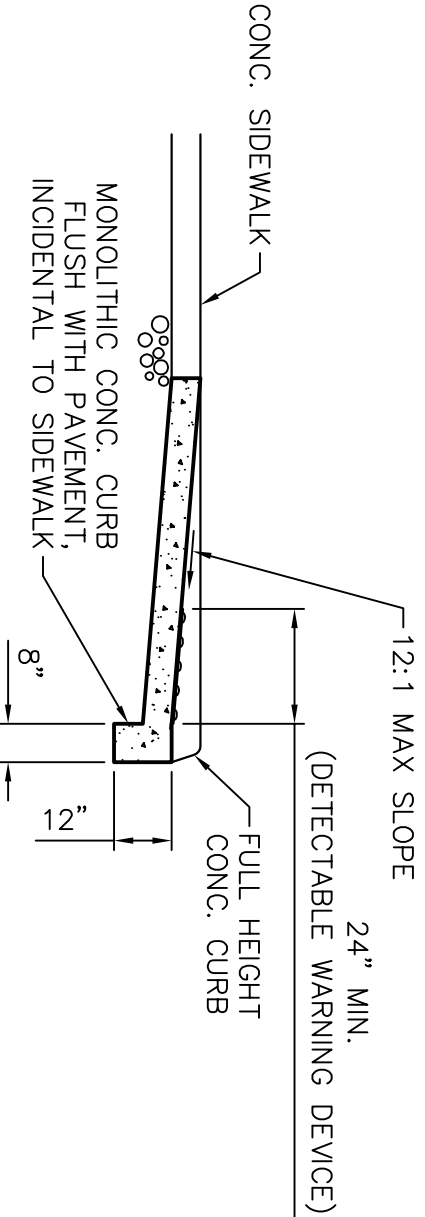
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CONSTRUCTION DETAILS

C-006

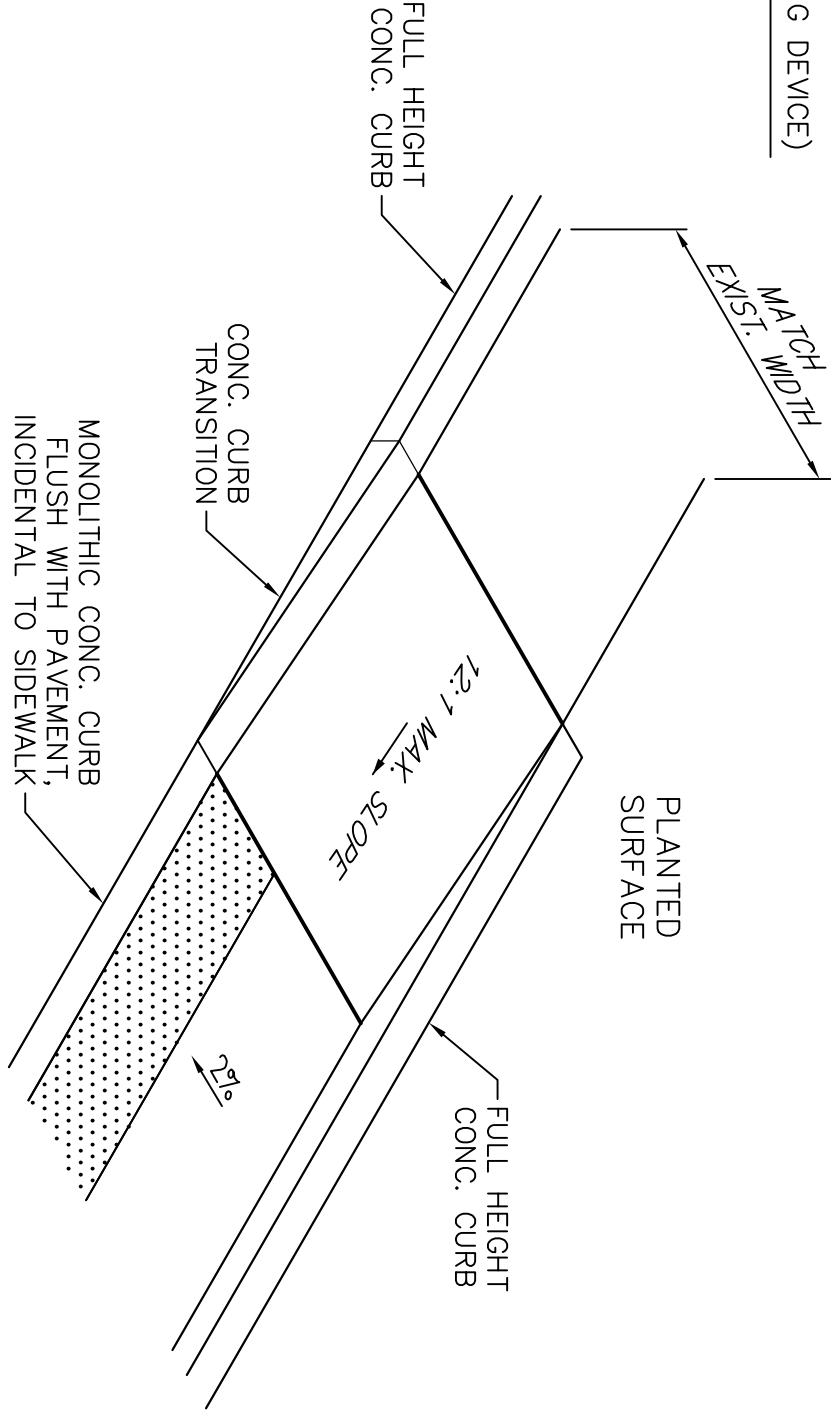


7 GRAY WATER PUMP LOCATION - BASEMENT FLOOR PLAN  
C-006 SCALE: 1/8" = 1'-0"

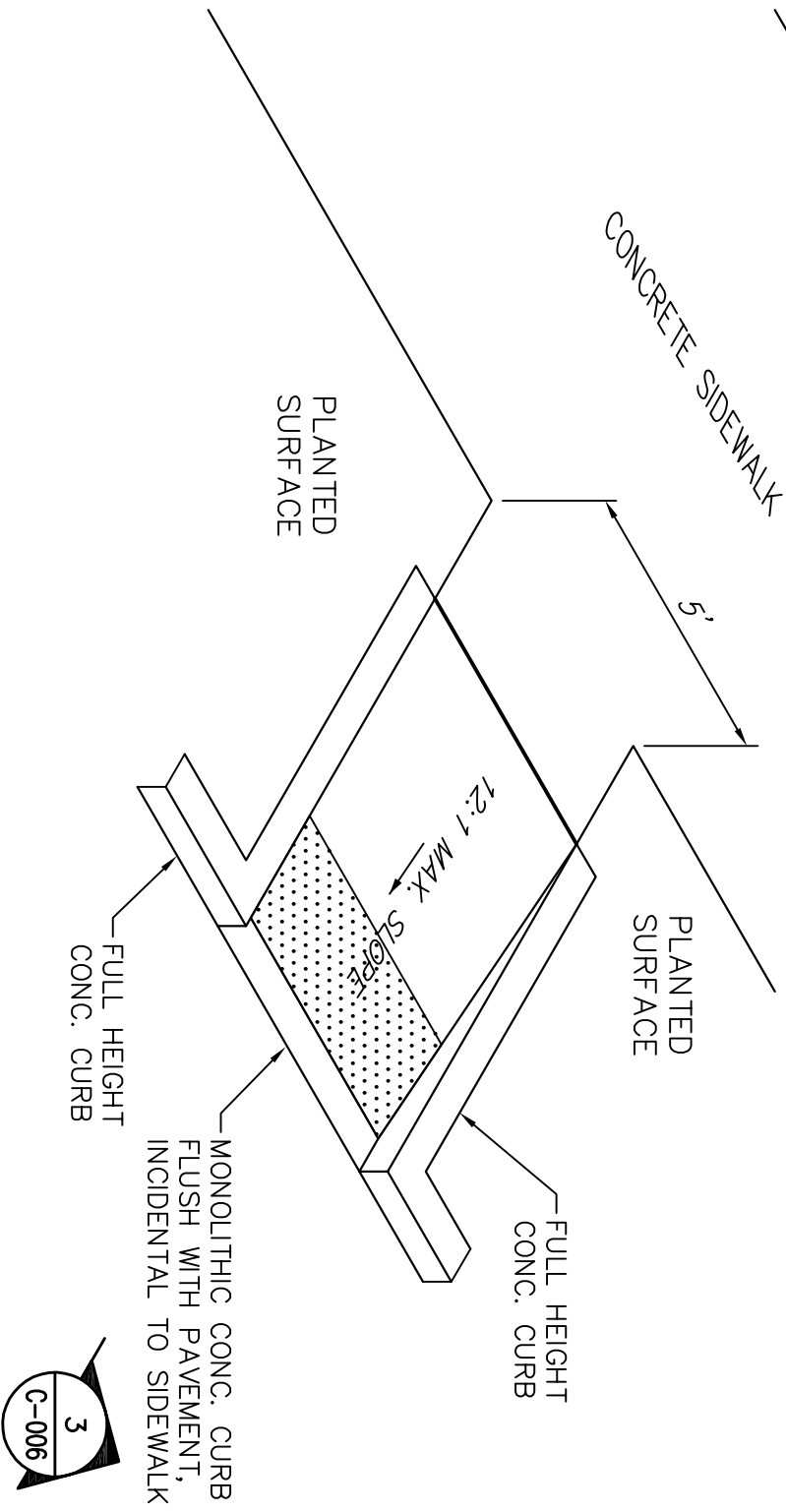
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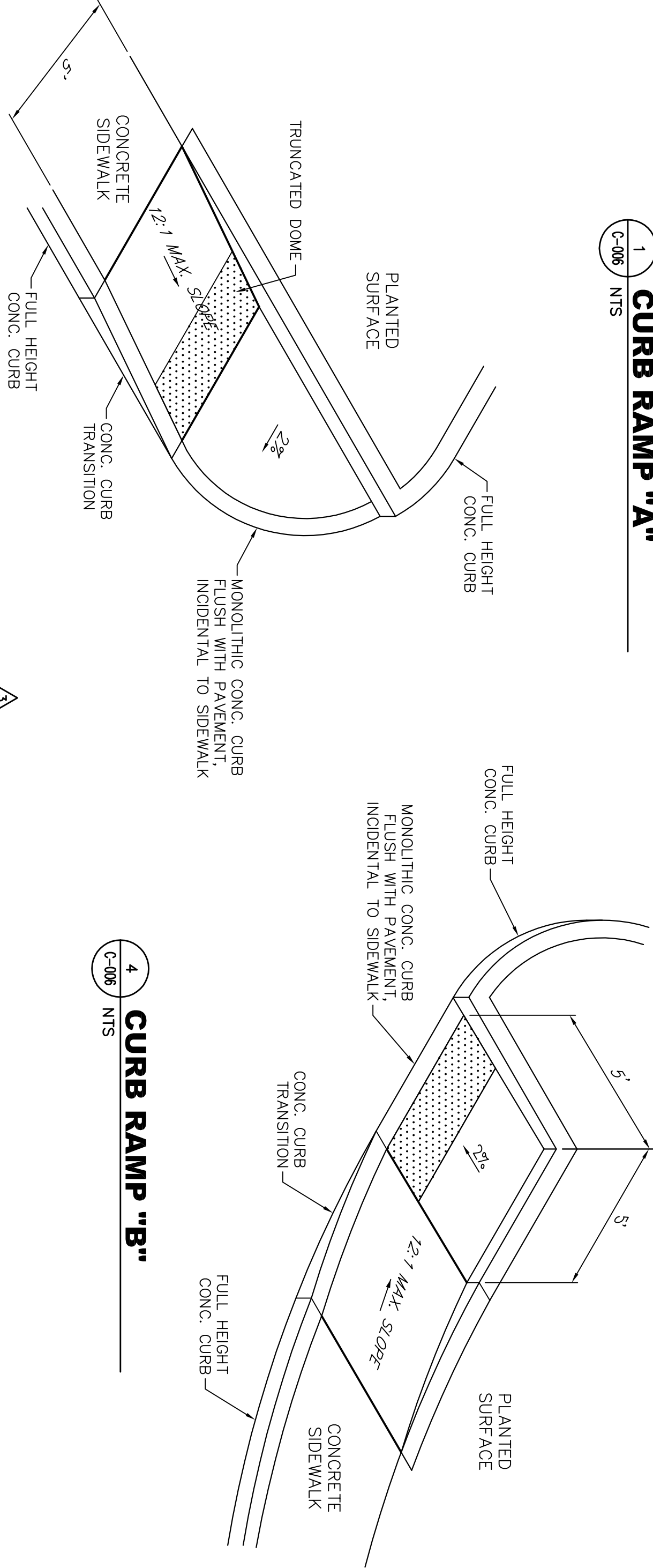


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3  
C-006

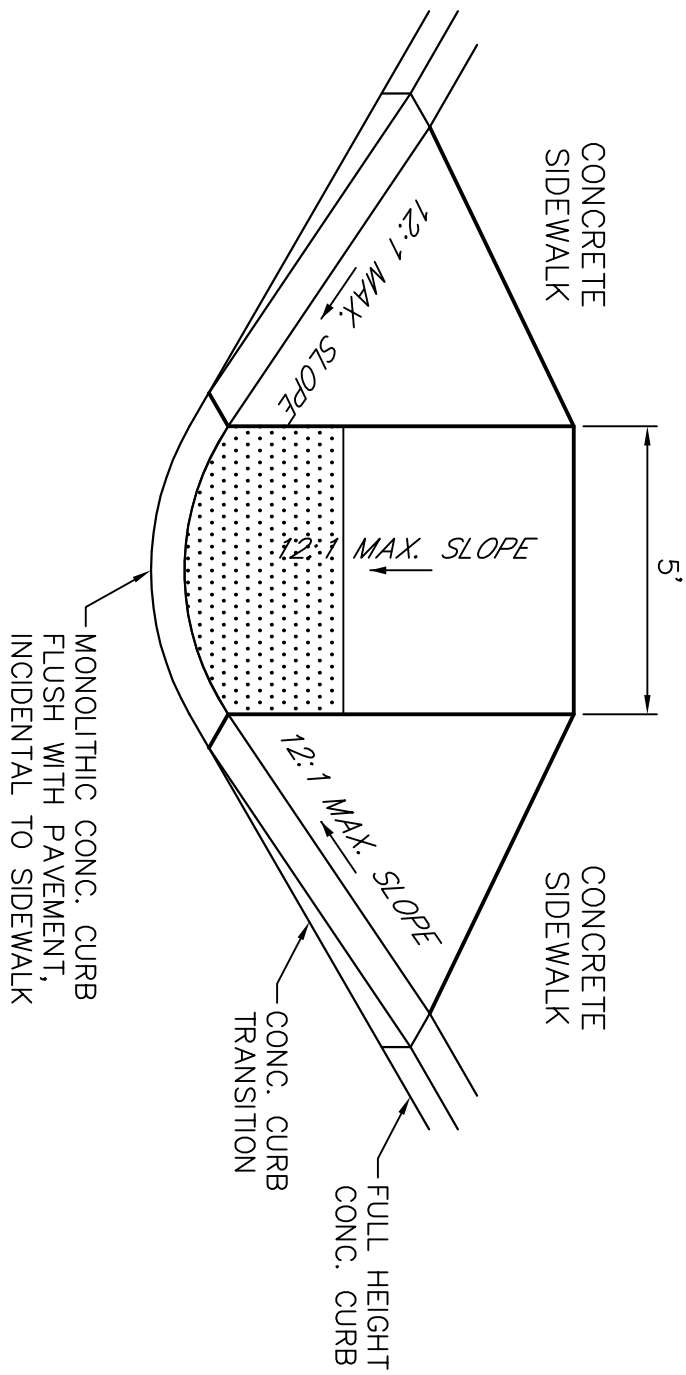
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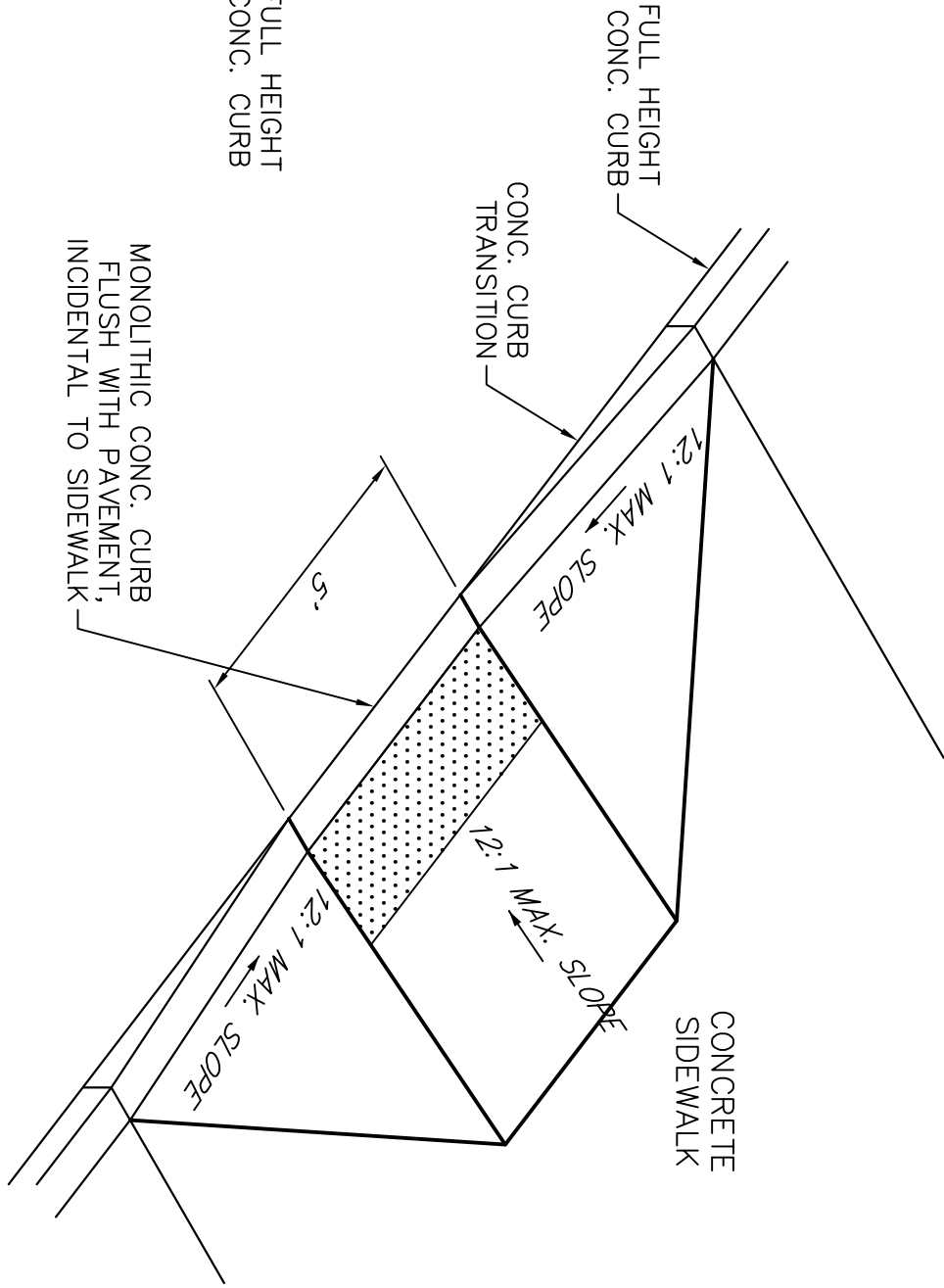
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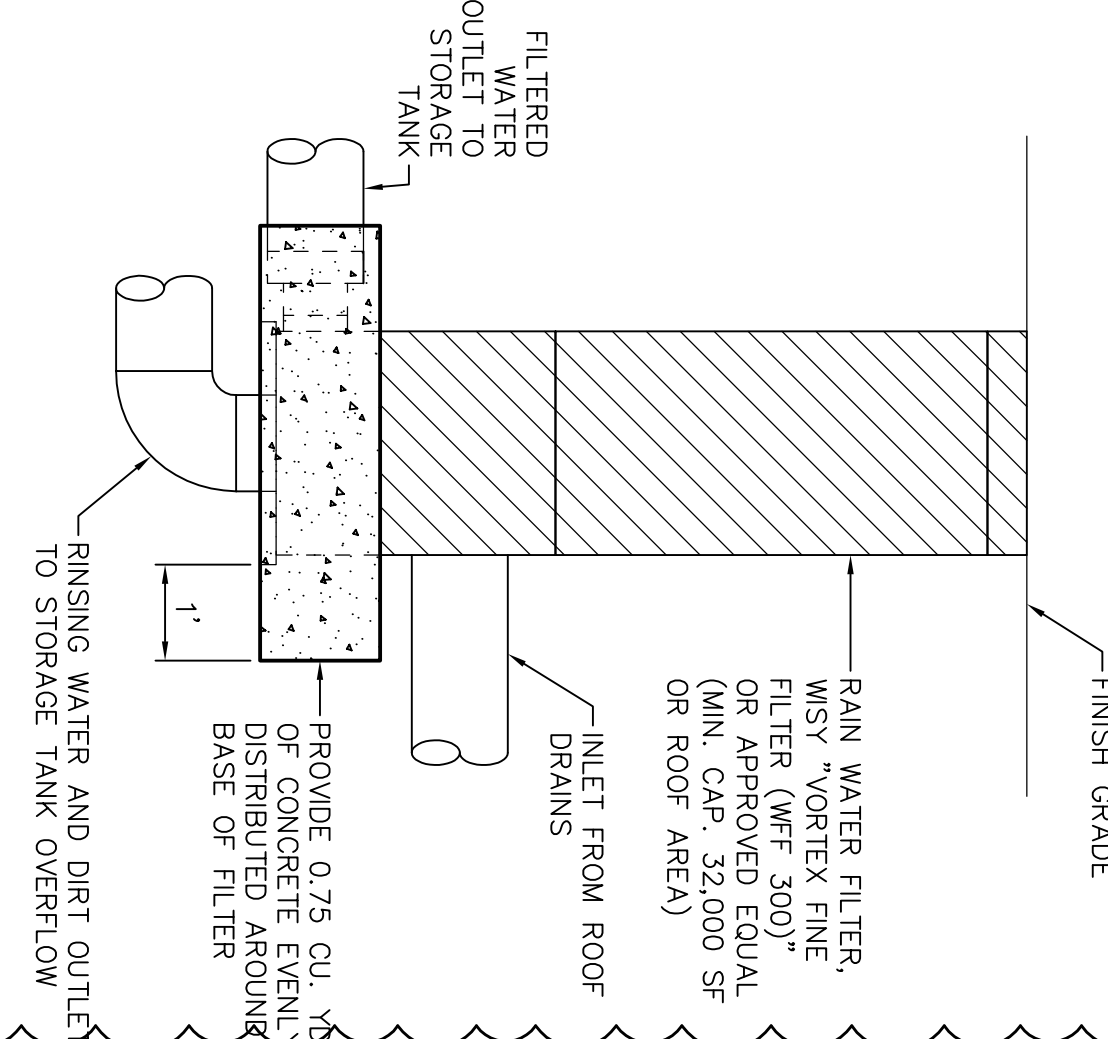
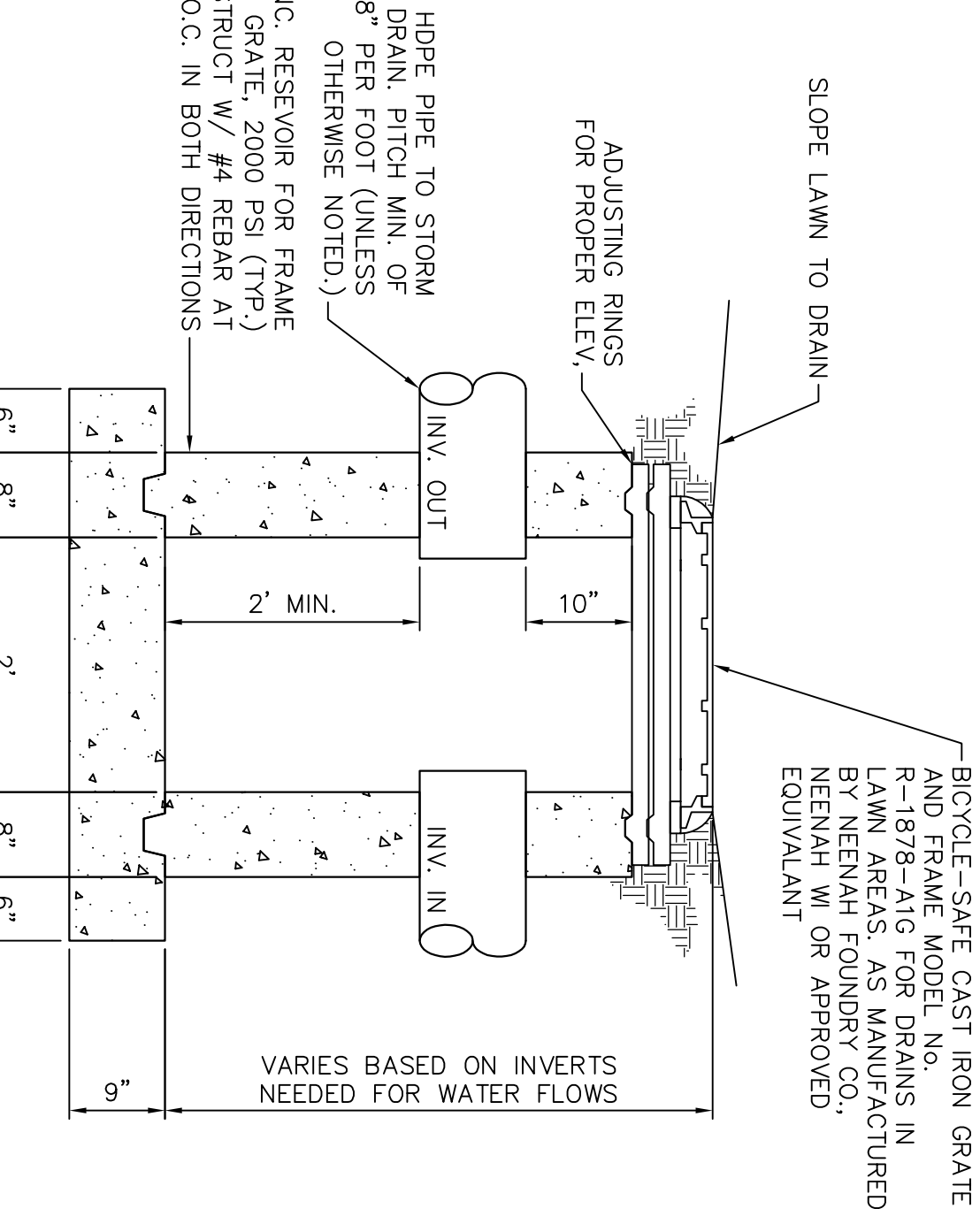
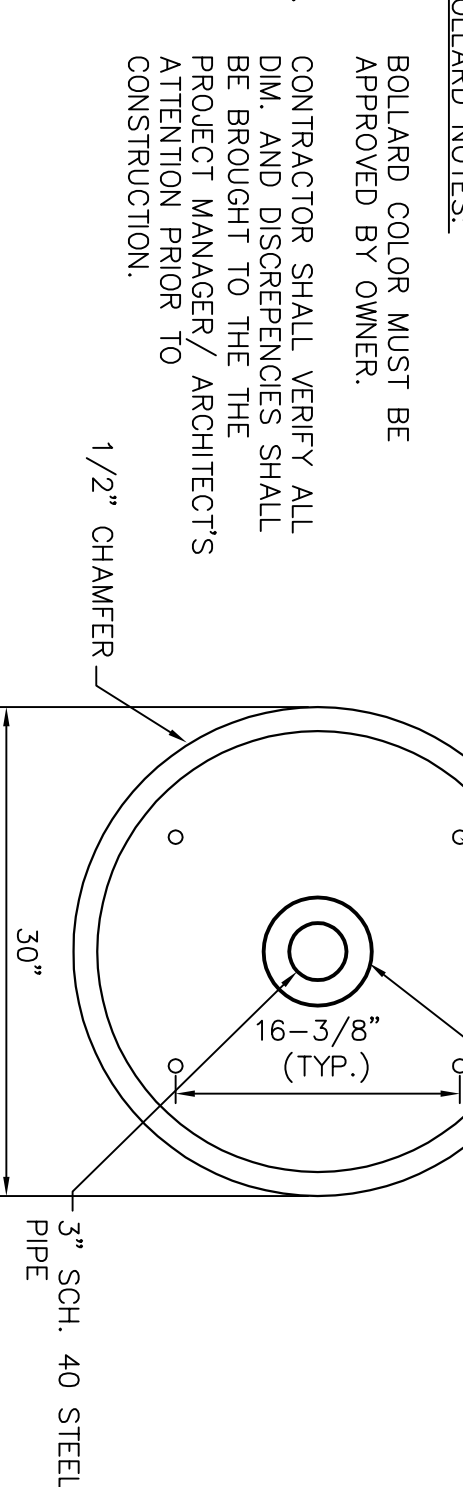
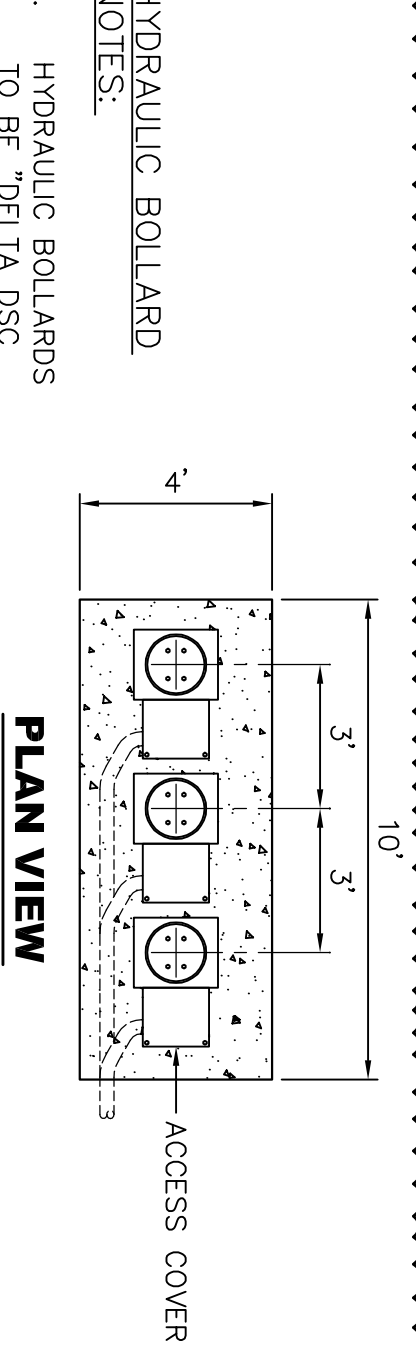
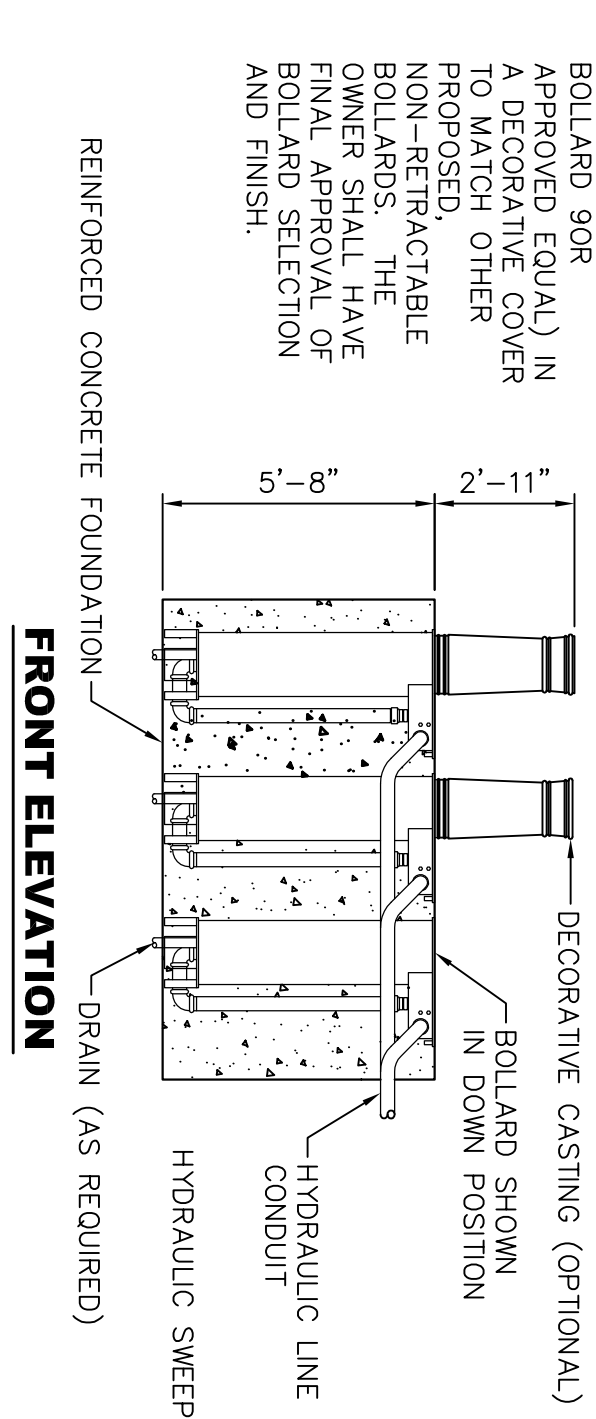
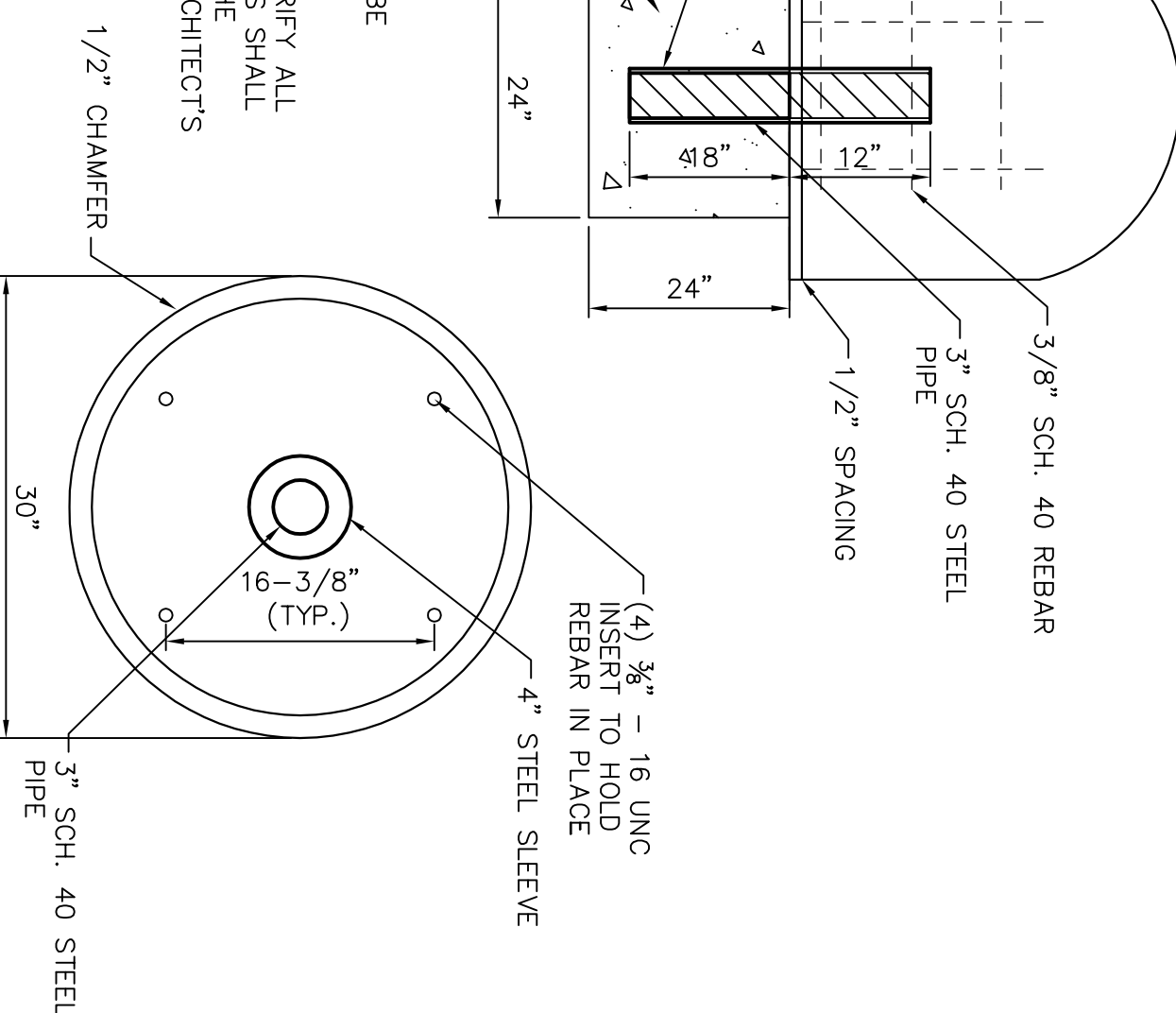
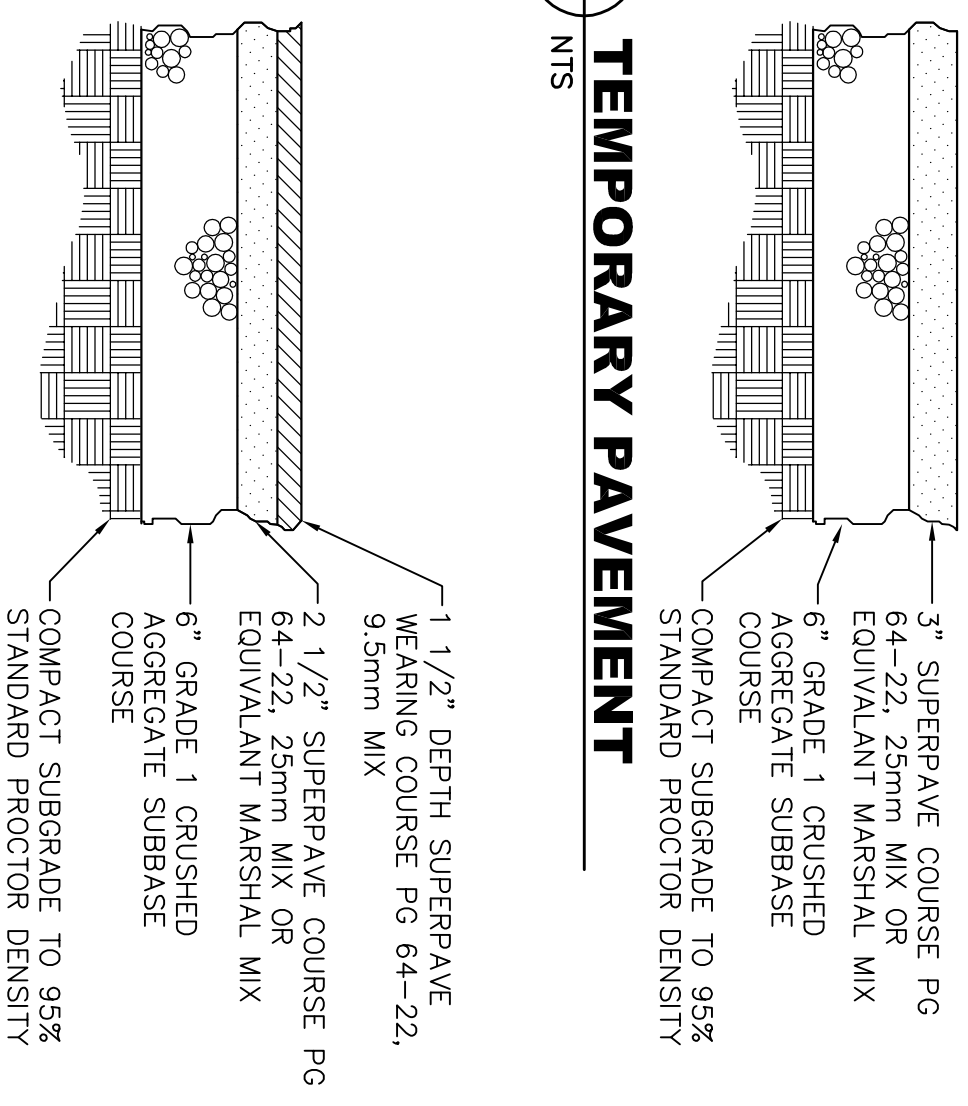
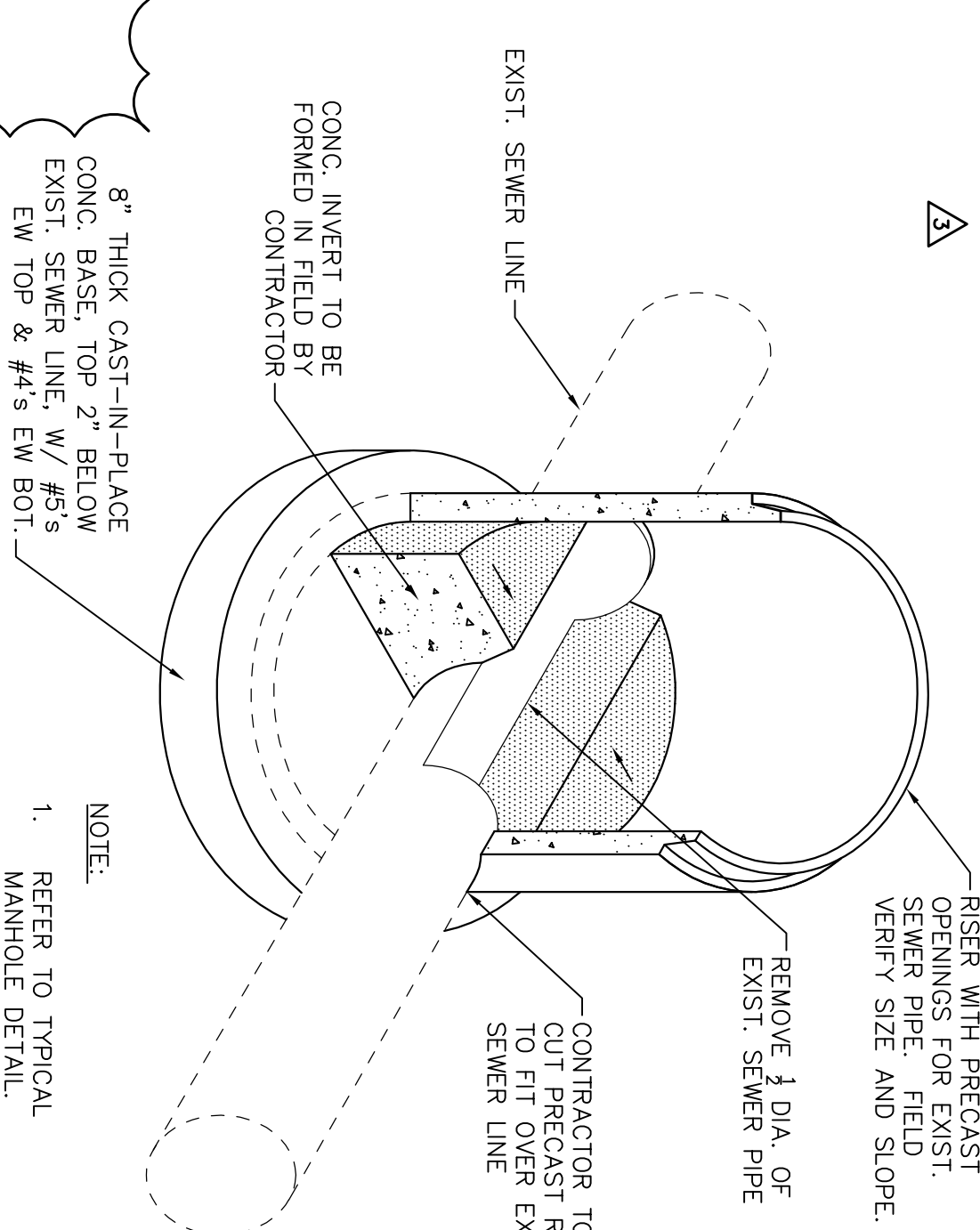
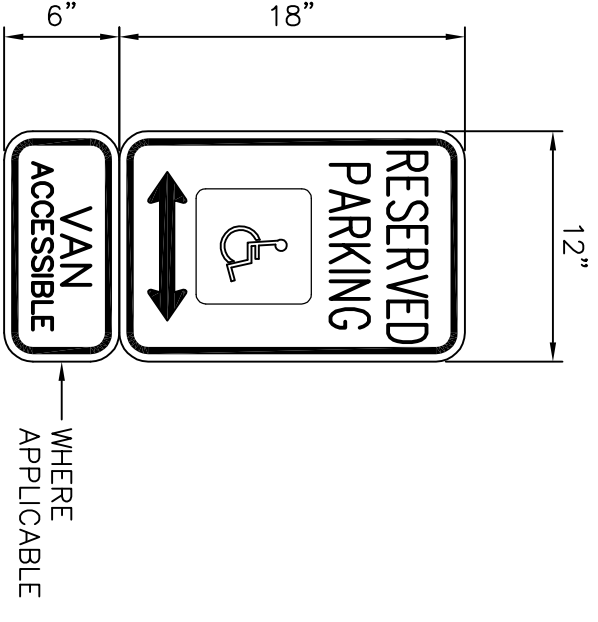
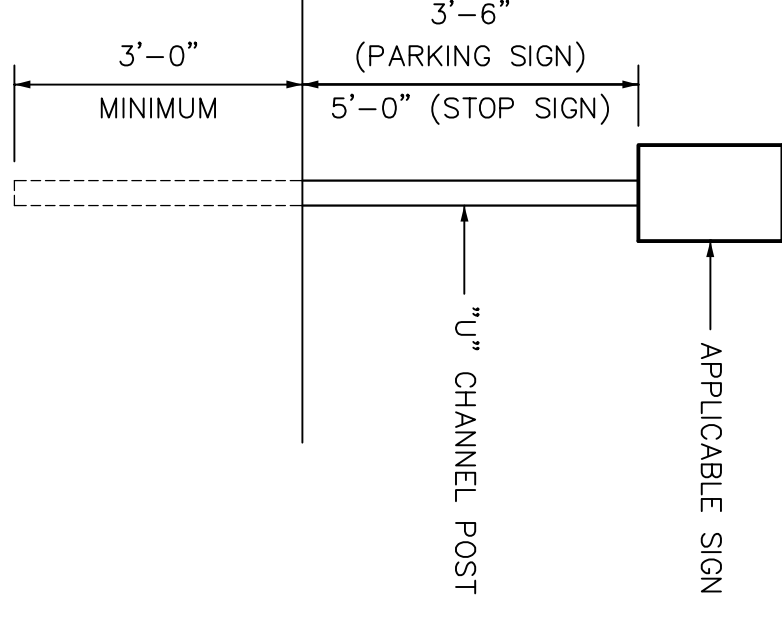
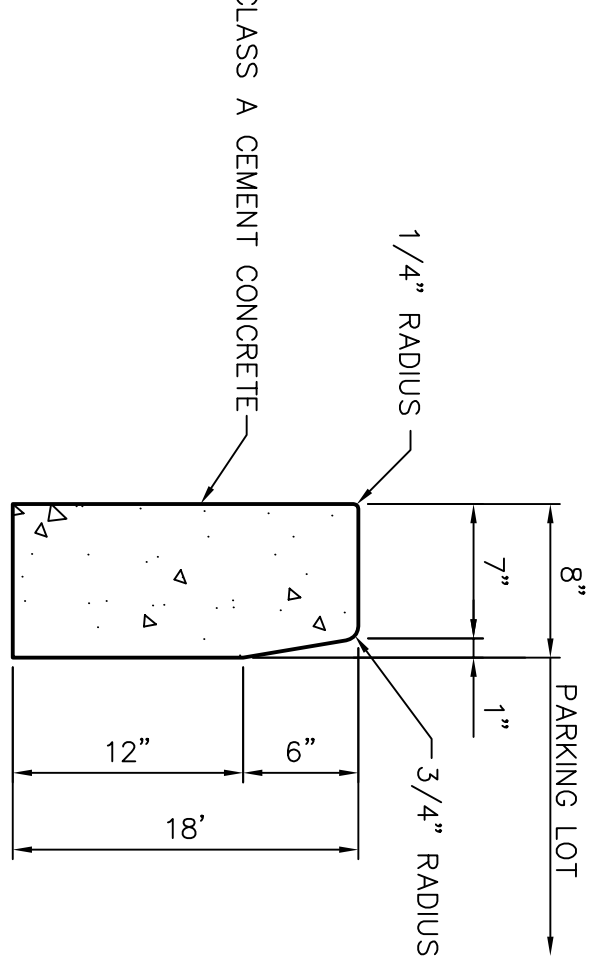
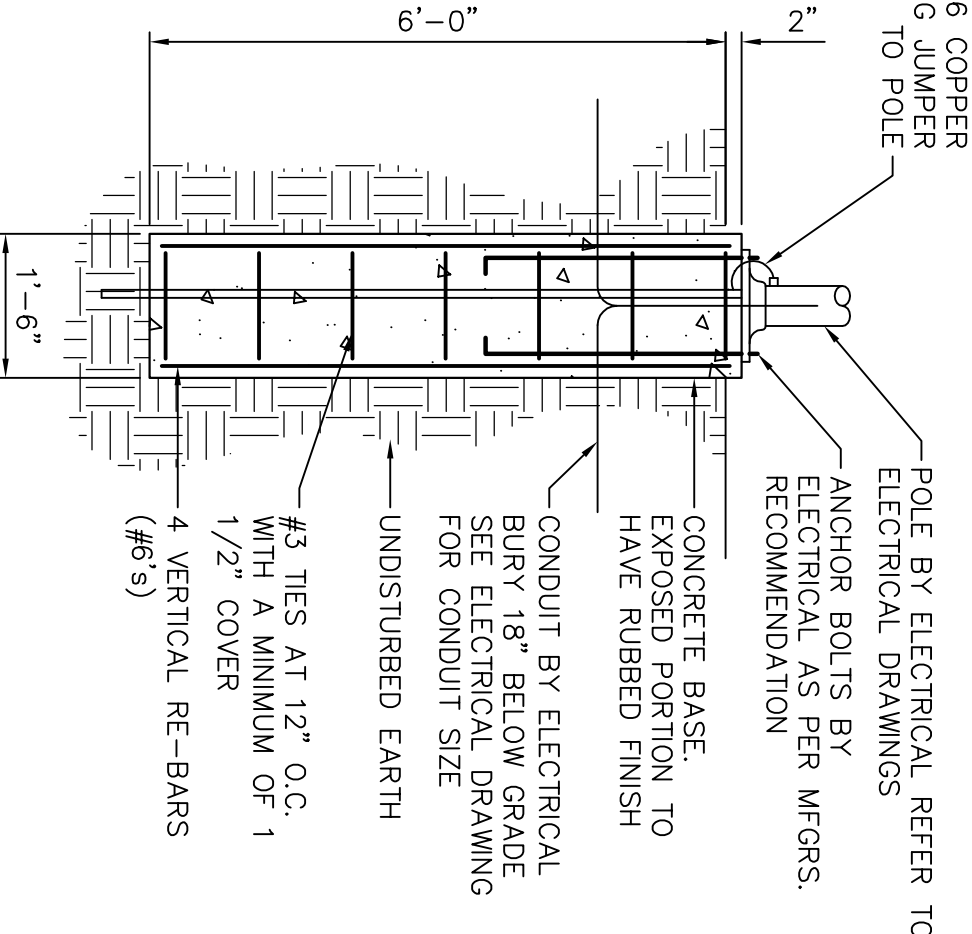
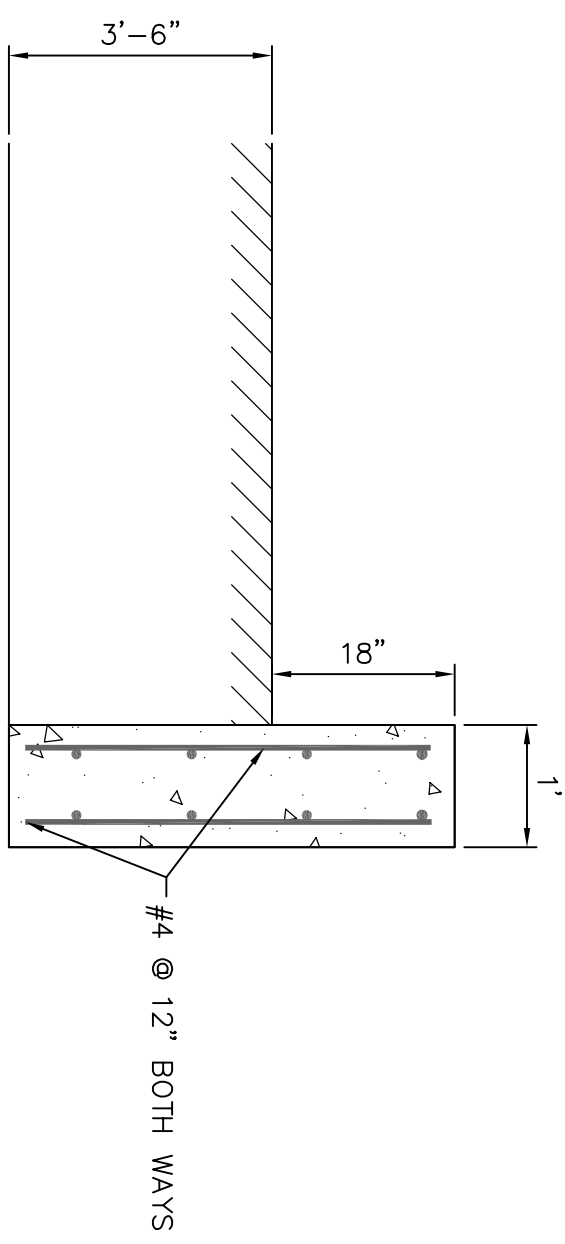
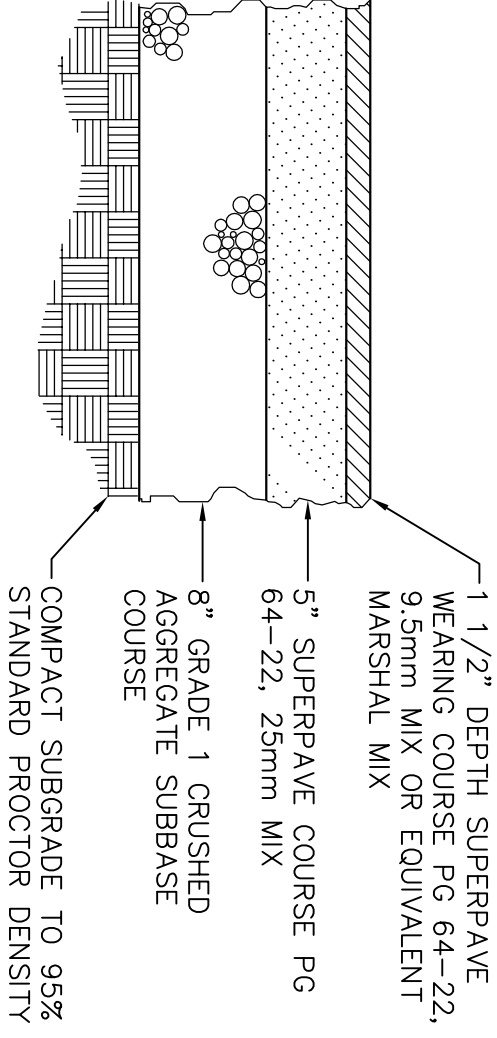
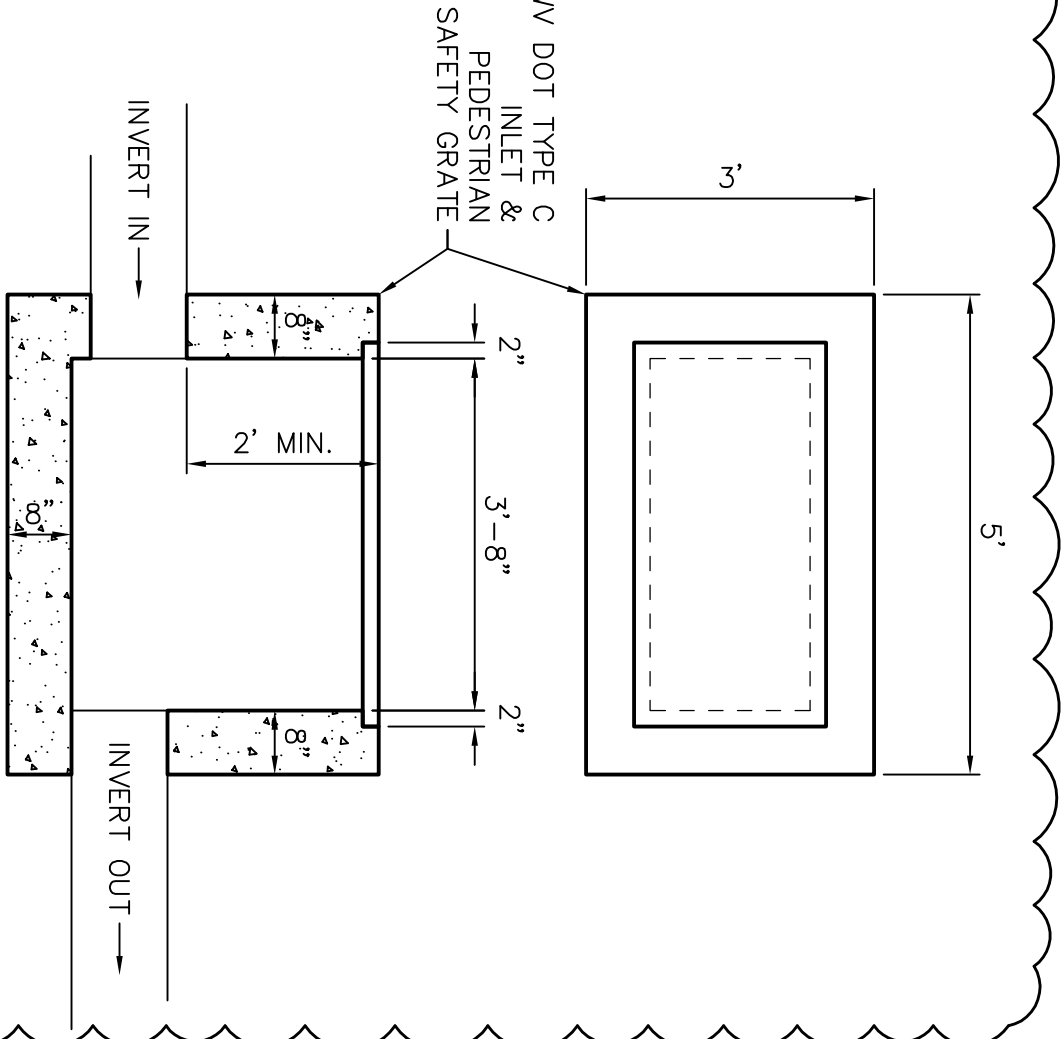
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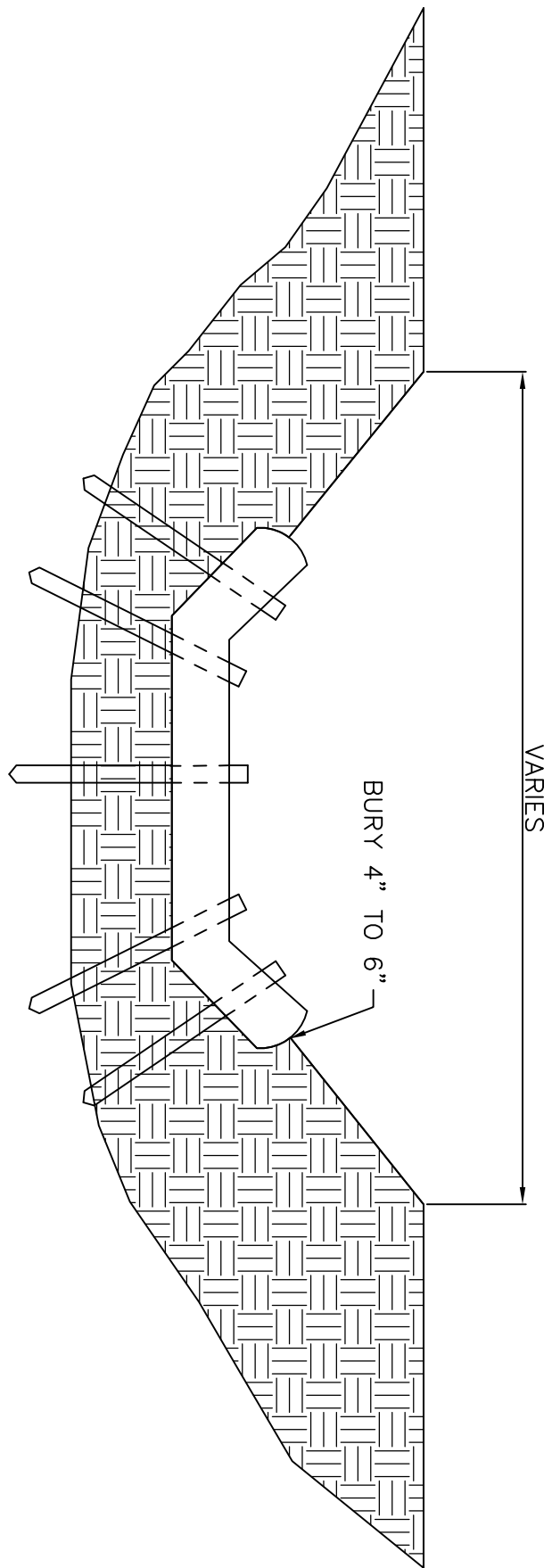
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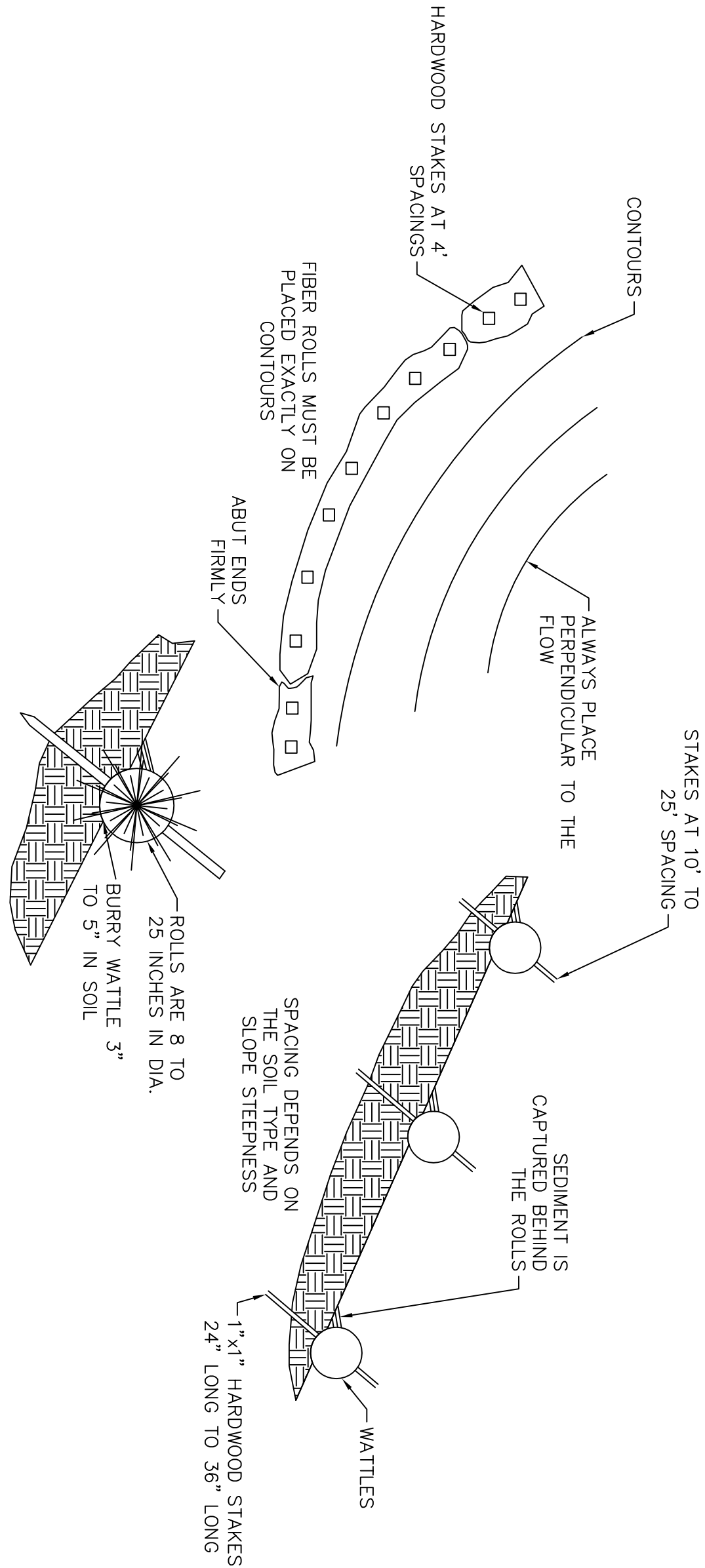
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C-006 NTS



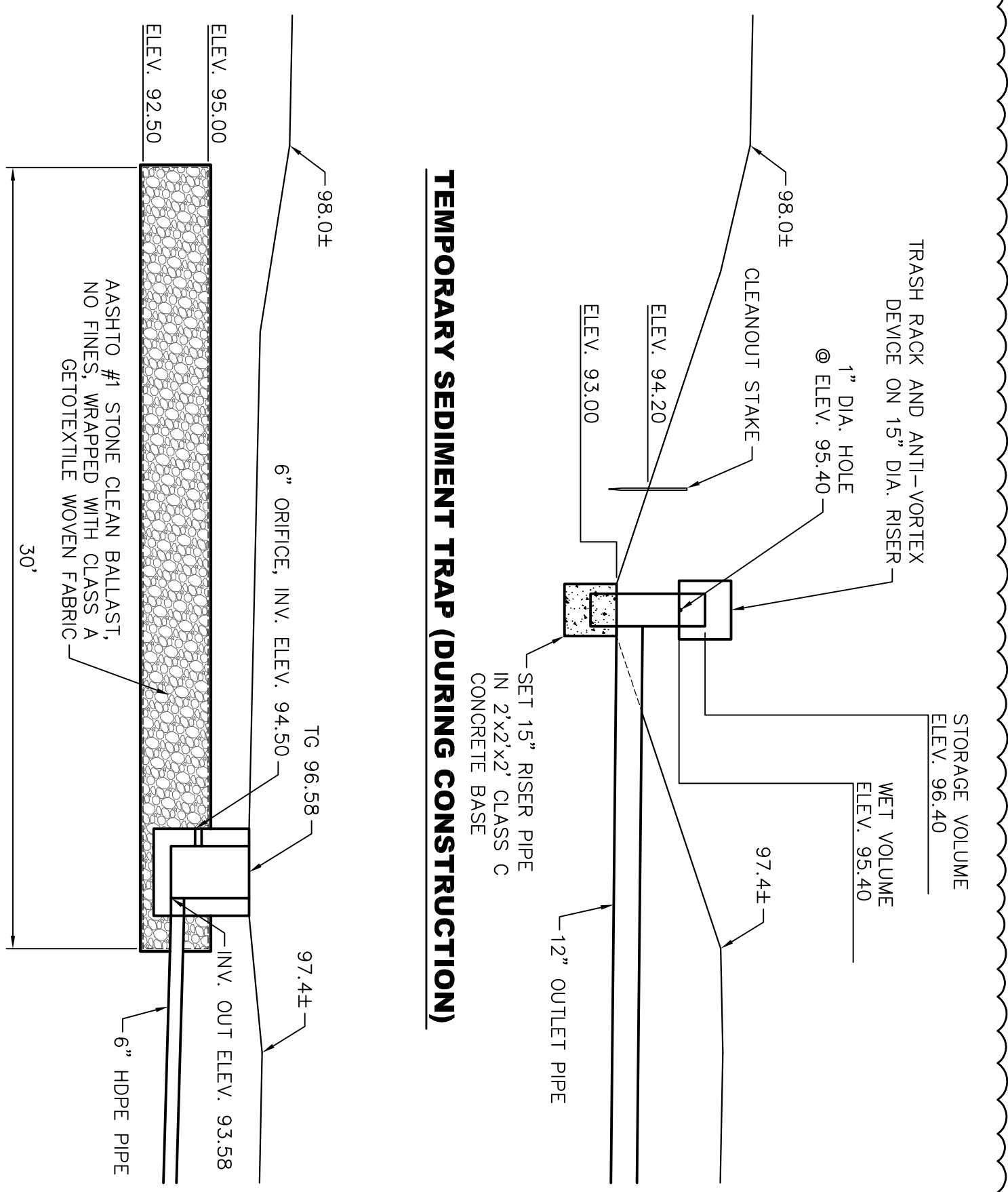




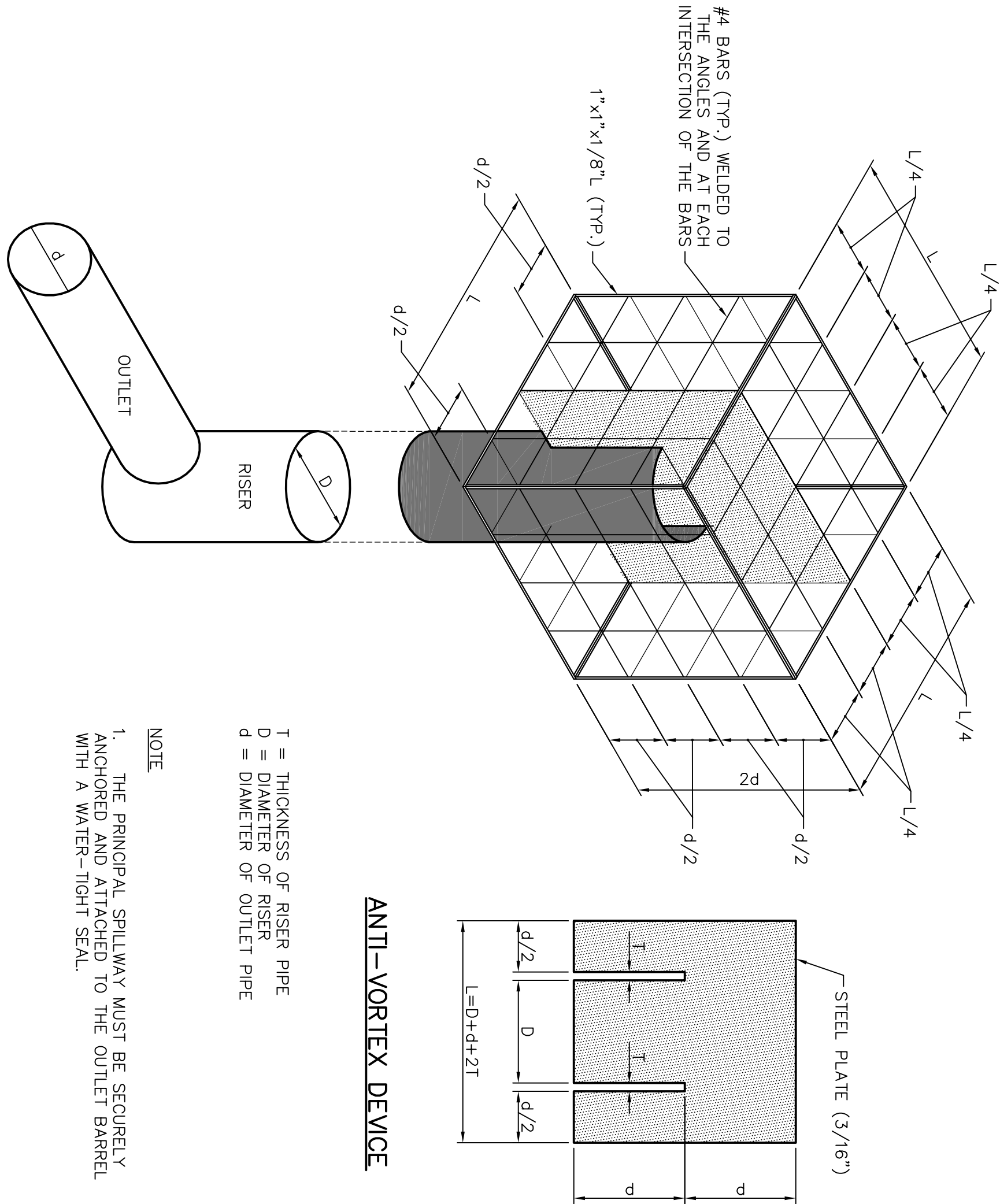
1  
C-009 NTS  
**STRAW WATTLE DITCH CHECK**



2  
C-009 NTS  
**WATTLES**



3  
C-009 SCALE: 1" = 5'  
**SECTION**



4  
C-009 NTS  
**TRASH RACK AND ANTI-VORTEX DEVICE**

## SEQUENCE OF CONSTRUCTION

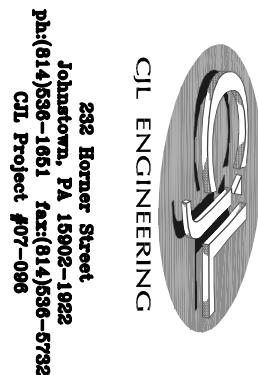
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE.
- THE CONTRACTOR SHALL CONTACT THE STATE DEP AT LEAST SEVEN DAYS PRIOR TO START OF CONSTRUCTION TO SCHEDULE A PRECONSTRUCTION CONFERENCE AS REQUIRED BY THE NPDES PERMIT. THE MEETING ATTENDANCE SHOULD INCLUDE: THE CONTRACTOR, ANY OTHERS UNDERTAKING THE EARTH DISTURBANCE ACTIVITIES, THE OWNER'S ENGINEER AND OTHER REPRESENTATIVES, THE DEP, THE CONSERVATION AGENCY AND ANY OTHER AGENCY REPRESENTATIVES. THE CONTRACTOR MUST HAVE ON SITE COPIES OF THEIR APPLICABLE PLANS, REPORTS, AND ALL ASSOCIATED DEPARTMENT APPROVALS AND PERMITS AVAILABLE AT THE CONFERENCE UPON REQUEST. ALSO, AT LEAST 3 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE APPLICABLE UTILITY ONE CALL SYSTEM FOR BURIED UTILITIES LOCATIONS TO BE MARKED IN THE FIELD.
- CONTRACTOR SHALL BEGIN INSTALLATION OF E&S CONTROLS, INCLUDING BUT NOT LIMITED TO: TREE PROTECTION, CONSTRUCTION AND FILTER FABRIC FENCES, A STABILIZED CONSTRUCTION ENTRANCE, AND INLET PROTECTION ON EXISTING INLETS.
- PRIOR TO PHASE 1 DEMOLITION OF PAVEMENT AND PARKING ISLANDS, REMOVE PORTIONS OF ISLANDS AS SHOWN AND INSTALL TEMPORARY PAVEMENT TO MAINTAIN TRAFFIC FLOW IN REMAINING PARKING AREA. PROVIDE CONSTRUCTION FENCE TO LIMIT ACCESS BETWEEN CONSTRUCTION SITE AND ACTIVE PARKING AREAS.
- BEGIN DEMOLITION OF SITE FEATURES TO BE REMOVED, SUCH AS: PAVEMENT, CURB AND SIDEWALK, SITE LIGHTS, SIGNS, PILES AND UTILITIES, STOCKPILE AND PROTECT LIGHT SANDS AND OTHER FEATURES TO BE REUSED. OTHER DEBRIS SHALL BE DISPOSED OF PROPERLY OFF-SITE. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIAL OR WASTES AT THIS SITE.
- EXCAVATE EXISTING PAVEMENT AREA FOR PROPOSED SEDIMENT TRAP. INSTALL PIPE, RISER AND OTHER STORM SEWER NEEDED TO MAKE TRAP FUNCTIONAL.
- STRIP AND STOCKPILE TOPSOIL, PLACE SILT FENCE AT TOE OF STOCKPILE SLOPE.
- EXCAVATE TRENCHES FOR STORM SEWER AND UTILITY REMOVAL, RELOCATION OR CONSTRUCTION. FOLLOW GUIDELINES FOR TRENCH EXCAVATION AS DESCRIBED IN THE REPORT AND ON THE PLANS.
- CONSTRUCT NEW STORM SEWER, PLACING INLET PROTECTION ON NEW INLETS.
- CONSTRUCT LOADING DOCK BUILDING, CURB, SIDEWALK AND PAVING. REMOVE PHASE 2 PAVING AREAS, INCLUDING TEMPORARY PAVING. RECONSTRUCT ISLANDS, REGRADE AND REPAVE PARKING AREAS.
- SPREAD TOPSOIL, LANDSCAPE, SEED AND MULCH AS DIRECTED. PROTECT AREAS FROM TRAFFIC AND EROSION UNTIL FINAL STABILIZATION IS ACHIEVED. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE, AND WHICH WILL BE RE-DISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINISHED GRADE OR WHICH WILL NOT BE RE-DISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.
- AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.
- UPON FINAL STABILIZATION, REMOVE ALL REMAINING E&S CONTROLS. CLEAN OUT ANY INLETS, PIPES AND OTHER AREAS WHERE SEDIMENT HAS ACCUMULATED. ANY AREAS DISTURBED DURING REMOVAL MUST BE RE-STABILIZED IMMEDIATELY.

## UTILITY LINE TRENCH EXCAVATION NOTES

- LIMIT ADVANCED CLEARING AND GRUBBING OPERATIONS TO A DISTANCE EQUAL TO TWO TIMES THE LENGTH OF PIPE INSTALLATION THAT CAN BE COMPLETED IN ONE DAY.
- WORK GREYS AND EQUIPMENT FOR TRENCHING, PLACEMENT OF PIPE, PLUG CONSTRUCTION AND BACKFILLING WILL BE SELE CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING AND SITE RESTORATION AND STABILIZATION OPERATIONS.
- ALL SOIL EXCAVED FROM THE TRENCH WILL BE PLACED ON THE UP HILL SIDE OF THE TRENCH.
- LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT, PLUG INSTALLATION AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY.
- WATER THAT ACCUMULATES IN THE OPEN TRENCH WILL BE COMPLETELY REMOVED BY PUMPING BEFORE PIPE PLACEMENT AND / OR BACKFILLING BEGINS. WATER REMOVED FROM THE TRENCH SHALL BE PUMPED THROUGH A FILTRATION DEVICE.
- ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND IMMEDIATELY

PERFIDO  
WEISKOPF  
WAGSTAFF +  
GOETTEL

4 BOULEVARD OF THE ALLEES  
PITTSBURGH, PA 15219-13 1  
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412.39111 57 FX  
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C-009

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WEST VIRGINIA STATE  
OFFICE BUILDING NO.3  
RENOVATION

1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITAL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305  
STORMWATER POLLUTION  
PREVENTION DETAILS

PWVG PROJECT NO. 20702300  
100% CD SUBMISSION OCTOBER 8, 2010  
ADDENDUM #2 DECEMBER 8, 2010  
ADDENDUM #3 JANUARY 21, 2011



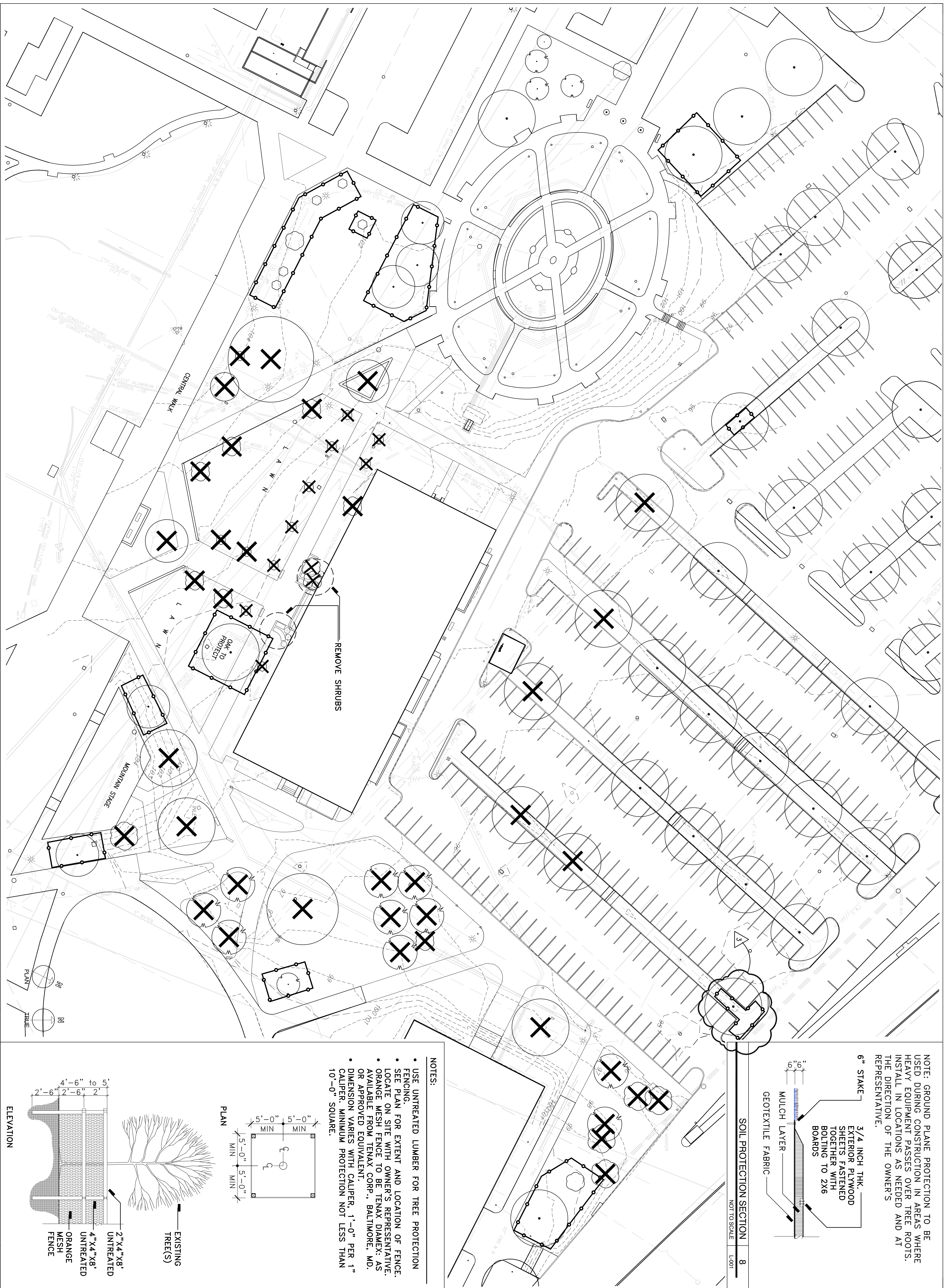
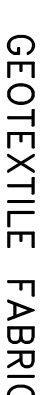
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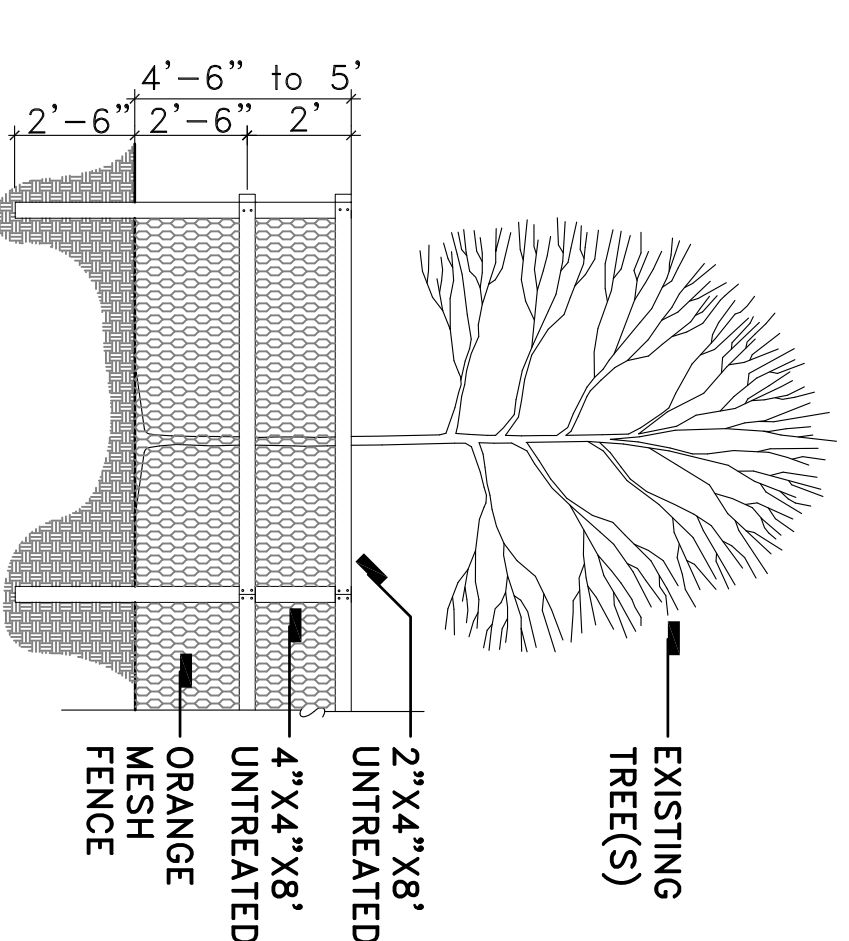
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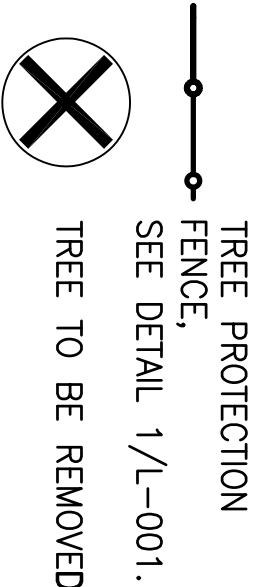
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| NOT TO SCALE | L-000 |
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- USE UNTREATED LUMBER FOR TREE PROTECTION FENCING.
- SEE PLAN FOR EXTENT AND LOCATION OF FENCE.
- LOCATE ON SITE WITH OWNER'S REPRESENTATIVE.
- ORANGE MESH FENCE TO BE TENAX DIAMEX<sup>®</sup> AS AVAILABLE FROM TENAX CORP., BALTIMORE, MD. OR APPROVED EQUIVALENT.
- DIMENSION VARIES WITH CALPER, 1'-0" PER 1" CALPER. MINIMUM PROTECTION NOT LESS THAN 10'-0" SQUARE.



**KEY**



**Heritage Landscapes LLC**  
PRESERVATION LANDSCAPE  
ARCHITECTS & PLANNERS  
Charlotte, VT    Norwalk, CT    Asheville, NC

WEST VIRGINIA STATE  
OFFICE BUILDING NO.3  
RENOVATION

1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305

---

**TREE PROTECTION PLAN**



# KEY NOTES

- 3.1 CAST-IN-PLACE CONCRETE
- 3.2 CONCRETE ON METAL DECK
- 4.1 EXISTING BRICK
- 4.2 EXISTING GRANITE
- 4.3 EXISTING LIMESTONE
- 4.4 EXISTING VIRGINIA GREENSTONE
- 4.5 EXISTING MARBLE PANEL
- 4.6 EXISTING MARBLE BASE
- 4.7 MODULAR BRICK VENEER
- 4.8 CONCRETE MASONRY UNIT
- 4.9 CAST STONE CONCRETE
- 4.10 SALVAGED MARBLE PANEL
- 4.11 SALVAGED MARBLE BASE
- 4.12 GRANITE
- 4.13 LIMESTONE VENEER TO MATCH EXISTING
- 4.14 EXISTING STONE THRESHOLD
- 4.15 STONE THRESHOLD
- 5.1 STRUCTURAL STEEL FRAMING - SEE STRUCT DWGS
- 5.2 STEEL DECK - SEE STRUCT DWGS
- 5.3 STEEL PAN STAIR
- 5.4 COLD FORMED METAL FRAMING
- 5.5 DECORATIVE METAL GUARDRAIL OR HANDRAIL
- 5.6 PIPE AND TUBE RAILING
- 5.7 METAL GRATING
- 6.1 WOOD BLOCKING
- 6.2 PLYWOOD SHEATHING
- 6.3 INTERIOR ARCHITECTURAL WOODWORK
- 7.1 SELF ADHERING WATERPROOF MEMBRANE
- 7.2 SPRAY APPLIED INSULATION
- 7.3 BLANKET INSULATION (ACOUSTIC OR THERMAL)
- 7.4 RIGID INSULATION
- 7.5 MEMBRANE ROOFING
- 7.6 CLAY TILE ROOF
- 7.7 GREENROOF SYSTEM
- 7.8 ROOF DRAIN
- 7.9 ----- NOT USED -----
- 7.10 SHEET METAL FLASHING/TRIM
- 7.11 APPLIED FIREPROOFING
- 7.12 JOINT SEALANT AND/OR BACKER ROD (AS SHOWN)
- 7.13 FOUNDATION WATERPROOFING & DRAINAGE BOARD
- 7.14 FLUID-APPLIED AIR & WATER BARRIER
- 7.15 FLEXIBLE MEMB FLASHING OVER MTL DRIP EDGE
- 7.16 COMPRESSIVE FILLER
- 7.17 ZINC METAL CLADDING
- 8.1 HM DOOR AND/OR FRAME
- 8.2 FLUSH WD DOOR IN HM FRAME
- 8.3 EXISTING METAL DOOR AND FRAME
- 8.4 ACCESS DOOR AND FRAME
- 8.5 ALUM AND GLASS STOREFRONT
- 8.6 GLAZING
- 8.7 ALL-GLASS STOREFRONT SYSTEM
- 8.8 REFURBISH AND REGLAZE EXIST BRONZE WINDOWS
- 8.9 ARCHITECTURAL LOWER
- 8.10 INTERIOR STEEL WINDOW FRAME GLAZED W/ GL-3
- 9.1 GYPSUM BOARD CEILING
- 9.2 EXIST TERRAZZO FLOORING
- 9.3 GYP. BD. AND/OR NON-STRUCT METAL FRAMING
- 9.4 ACOUSTICAL PANEL CEILING
- 9.5 RESILIENT TILE FLOORING
- 9.6 CARPET
- 9.7 RESILIENT WALL BASE
- 9.8 TERRAZZO FLOORING
- 9.9 TILE
- 9.10 ----- NOT USED -----
- 9.11 PREFINISHED WOOD PANEL SYSTEM
- 9.12 GYPSUM VENEER PLASTER
- 10.1 TOILET PARTITIONS
- 10.2 DEMOUNTABLE PARTITIONS
- 10.3 FIRE EXTINGUISHER CABINET
- 10.4 METAL LOCKERS
- 10.5 BRACKET MOUNTED FIRE EXTINGUISHER
- 12.1 MANUFACTURED CASEWORK
- 12.2 RECESSED FLOOR MAT
- 12.3 ROLLER WINDOW SHADE
- 12.4 SOLID SURFACE COUNTERTOP
- 15.1 WATER COOLER
- 15.2 BLOWER COIL UNIT
- 15.3 RADIANT CEILING PANEL
- 15.4 SIDEWALL DIFFUSER GRILLE
- 15.5 SPRINKLER HEAD
- 15.6 MESH LOUVER
- 15.7 HVAC DUCT
- 16.1 LIGHT FIXTURE

PWWG PROJECT NO. 20703.00

100% CD SUBMISSION OCTOBER 8, 2010  
ADDENDUM NO.3 JANUARY 21, 2011

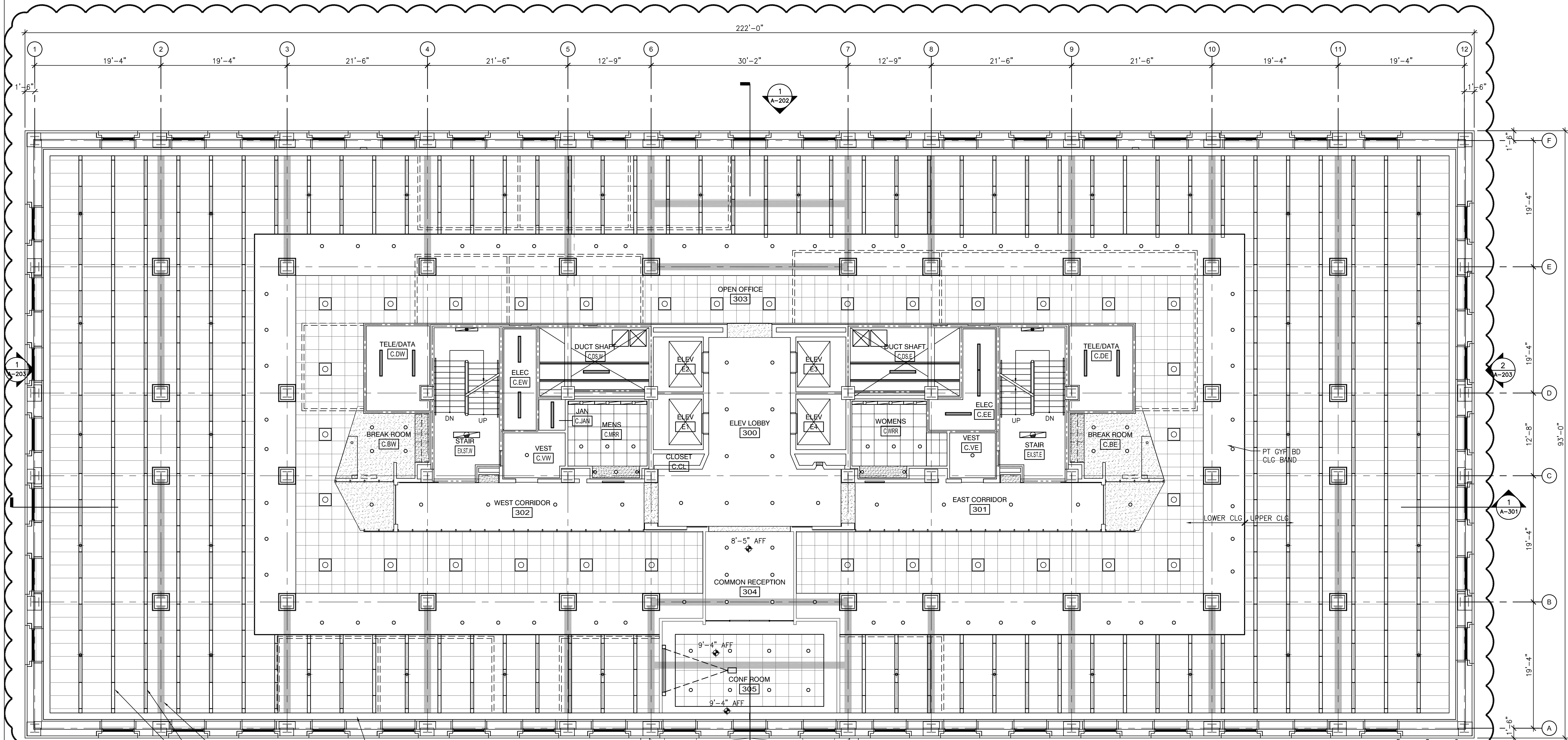
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## WEST VIRGINIA STATE OFFICE BUILDING NO.3 RENOVATION

1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305

### REFLECTED CEILING PLAN - THIRD FLOOR

AC-103



HATCH INDICATES BEAM ABOVE CLNG @ 9'-9" AFF, TYP ON FLRS 2-5

RADIANT CLG PANELS (TYP @ PERIMETER)

6" UTILITY CHANNEL ACCOMMODATES 48" LIGHT FIXTURES OR HVAC DIFFUSERS, SPRINKLER HEADS & PERFORATED MTL PANELS FOR RETURN AIR CLNG PLENUM. PLAN SHOWS TYPICAL LAYOUT FOR SPRINKLERS AND LIGHT FIXTURES ON FLRS 2-6. SPECIFIC LOCATIONS OF SPRINKLERS, HVAC & LIGHTING COMPONENTS ARE SHOWN ON FP/M/EL DWGS. ALL LAYOUTS ARE TO BE COORD W/ OWNERS FINAL APPROVED TENANT LAYOUT PLANS PRIOR TO INSTALLATION.

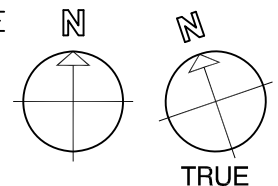
- LEGEND**
- SUSPENDED DIRECT/INDIRECT\*
  - LAY-IN DIRECT/INDIRECT 2'x2'
  - LAY-IN DIRECT/INDIRECT 2'x4'
  - LAY-IN LINEAR DIRECT/INDIRECT 1'x4'
  - RECESSED WALL SLOT\*
  - SURFACE MOUNTED LINEAR\*
  - WALL MOUNTED LINEAR\*
  - LINEAR RECESSED 4'x6'
  - REFURBISHED EXIST RECESSED 2'x2'
  - RECESSED FIXTURE\*
  - 4" INDUSTRIAL\*
  - CF RECESSED DOWNLIGHT - ROUND OR SQUARE
  - EXTENDED COVERAGE SPRINKLER HEAD (SEE FP DWGS)
  - 6" PERFORATED MTL PANEL IN UTILITY CHANNEL
  - DECORATIVE PENDANT LIGHT\*
  - ORNAMENTAL PENDANT\*
  - RECESSED WALL FIXTURE\*
  - GYP BD BULKHEAD, UNO
  - 2'x2' SUSPENDED ACOUSTICAL PANEL CEILING
  - 2'x4' SUSPENDED ACOUSTICAL PANEL CEILING
  - 24"x54" W/ 6" UTILITY CHANNEL SUSPENDED ACOUSTICAL PANEL CEILING
  - NEW TEXTURED PLASTER CLG TO MATCH ORIGINAL PLASTER CLG
  - NEW SMOOTH PLASTER CLG TO MATCH ORIGINAL PLASTER CLG
  - EXIST LOW BEAM ABOVE CLG PLANE, LOW CLEARANCE, VIF
- \* REFER TO EL DWGS

#### GENERAL SHEET NOTES:

1. ALL CLINGS TO BE COORD WITH MEP/FP, AUDIO VISUAL & SECURITY SYSTEMS PRIOR TO INSTALLATION

#### SHEET NOTES:

1. ALL CEILINGS ARE NEW CONSTRUCTION. EXISTING CEILINGS REMOVED DURING DEMOLITION PHASE.
2. ALL CEILINGS ARE PT GYP BD UNO.
3. CEILING NOTES AT 2ND FLOOR CORE AND CORRIDOR (BETWEEN COLUMN LINES 3 AND 10) TYPICAL FOR ALL OFFICE FLOORS (2-8), UNO.
4. "LOWER CLG" REFERS TO: 8'-5" CEILING @ FLRS 2-5
5. "UPPER CLG" REFERS TO: 9'-4" CEILING @ FLRS 2-5 9'-1" CEILING @ FLRS 6-8
6. MOTORIZED WINDOW SHADE
7. MANUAL WINDOW SHADE



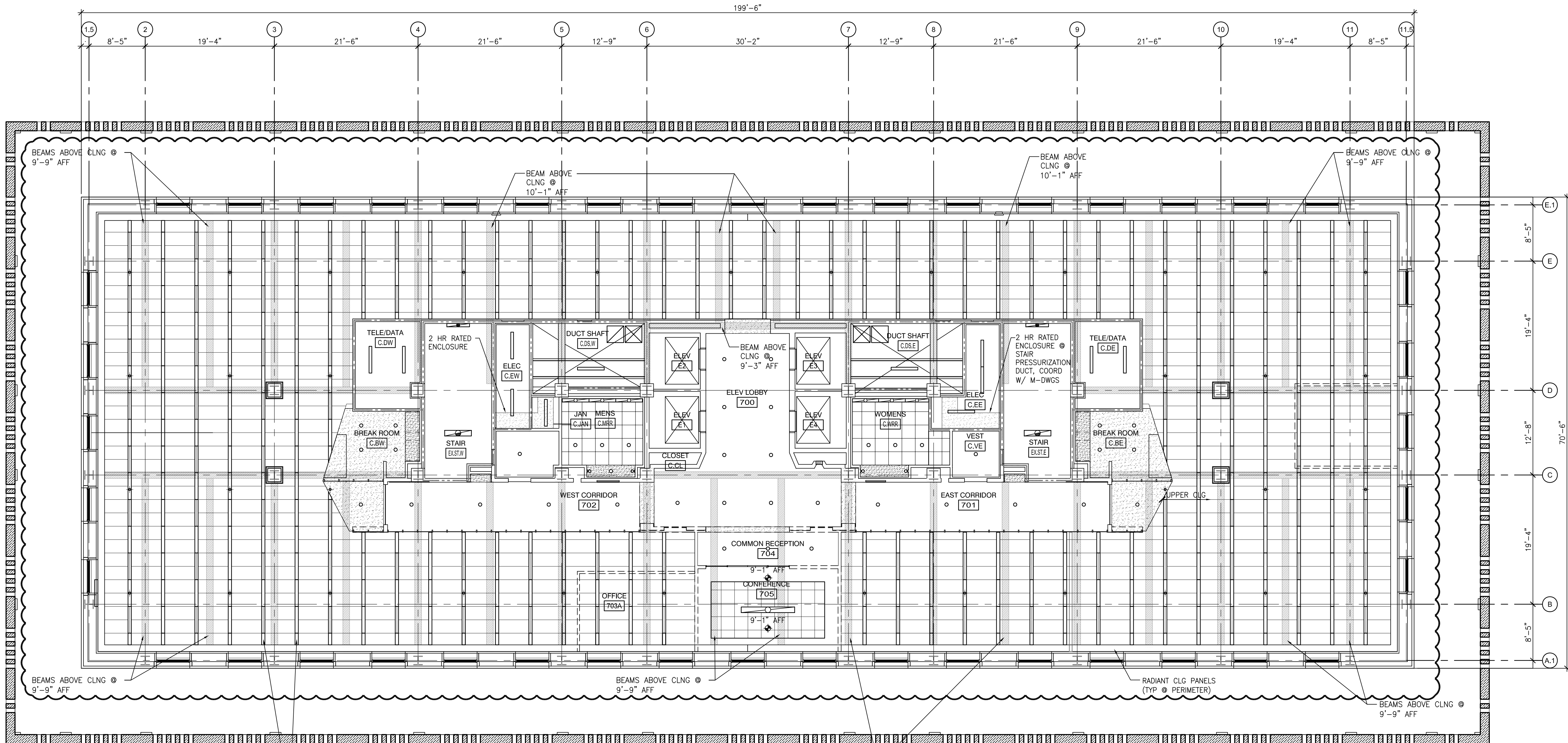
TYPICAL REFLECTED CEILING PLAN

1

1/8" = 1'-0" AC-103

KEY NOTES

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3.2 CONCRETE ON METAL DECK
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7.8 ROOF DRAIN  
7.9 - - - - - NOT USED - - - - -  
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9.3 GYP. BD. AND/OR NON-STRUCT METAL FRAMING  
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9.6 CARPET  
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9.8 TERRAZZO FLOORING  
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15.5 SPRINKLER HEAD  
15.6 MESH LOUVER  
15.7 HVAC DUCT
- 16.1 LIGHT FIXTURE



6" UTILITY CHANNEL ACCOMMODATES 48" LIGHT FIXTURES OR HVAC DIFFUSERS, SPRINKLER HEADS & PERFORATED MTL PANELS FOR RETURN AIR CLNG PLENUM. PLAN SHOWS TYPICAL LAYOUT FOR SPRINKLERS AND LIGHT FIXTURES ON FLRS 7 & 8. SPECIFIC LOCATIONS OF SPRINKLERS, HVAC & LIGHTING COMPONENTS ARE SHOWN ON FP/M/EL DWGS. ALL LAYOUTS ARE TO BE COORD W/ OWNERS FINAL APPROVED TENANT LAYOUT PLANS PRIOR TO INSTALLATION.

HATCH INDICATES BEAMS ABOVE CLNG @ 9'-6" AFF, TYP UNO ON 7TH FLOOR

**LEGEND**

|  |                                                |  |                                                                  |
|--|------------------------------------------------|--|------------------------------------------------------------------|
|  | SUSPENDED DIRECT/INDIRECT*                     |  | DECORATIVE PENDANT LIGHT*                                        |
|  | LAY-IN DIRECT/INDIRECT 2'x2'*                  |  | ORNAMENTAL PENDANT*                                              |
|  | LAY-IN DIRECT/INDIRECT 2'x4'*                  |  | RECESSED WALL FIXTURE*                                           |
|  | LAY-IN LINEAR DIRECT/INDIRECT 1'x4'*           |  | GYP BD BULKHEAD, UNO                                             |
|  | RECESSED WALL SLOT*                            |  | 2'x2' SUSPENDED ACOUSTICAL PANEL CEILING                         |
|  | SURFACE MOUNTED LINEAR*                        |  | 2'x4' SUSPENDED ACOUSTICAL PANEL CEILING                         |
|  | WALL MOUNTED LINEAR*                           |  | 24'x54' W/ 6' UTILITY CHANNEL SUSPENDED ACOUSTICAL PANEL CEILING |
|  | LINEAR RECESSED 4'x6'*                         |  | NEW TEXTURED PLASTER CLG TO MATCH ORIGINAL PLASTER CLG           |
|  | REFURBISHED EXIST RECESSED 2'x2'*              |  | NEW SMOOTH PLASTER CLG TO MATCH ORIGINAL PLASTER CLG             |
|  | RECESSED FIXTURE*                              |  | EXIST LOW BEAM ABOVE CLG PLANE, LOW CLEARANCE, VIF               |
|  | 4' INDUSTRIAL*                                 |  |                                                                  |
|  | CF RECESSED DOWNLIGHT - ROUND OR SQUARE        |  |                                                                  |
|  | EXTENDED COVERAGE SPRINKLER HEAD (SEE FP DWGS) |  |                                                                  |
|  | 6' PERFORATED MTL PANEL IN UTILITY CHANNEL     |  |                                                                  |

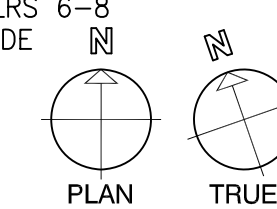
\* REFER TO EL DWGS

GENERAL SHEET NOTES:

1. ALL CLNGS TO BE COORD WITH MEP/FP, AUDIO VISUAL & SECURITY SYSTEMS PRIOR TO INSTALLATION

SHEET NOTES:

1. ALL CEILINGS ARE NEW CONSTRUCTION. EXISTING CEILINGS REMOVED DURING DEMOLITION PHASE.
2. ALL CEILINGS ARE PT GYP BD UNO.
3. CEILING NOTES AT 2ND FLOOR CORE AND CORRIDOR (BETWEEN COLUMN LINES 3 AND 10) TYPICAL FOR ALL OFFICE FLOORS (2-8), UNO.
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5. "UPPER CLG" REFERS TO: 9'-4" CEILING @ FLRS 2-5 9'-1" CEILING @ FLRS 6-8
6. MOTORIZED WINDOW SHADE
7. MANUAL WINDOW SHADE



TYPICAL UPPER FLOOR REFLECTED CEILING PLAN (7TH FLOOR)

WEST VIRGINIA STATE  
OFFICE BUILDING NO.3  
RENOVATION

1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305

REFLECTED CEILING PLAN -  
SEVENTH FLOOR



408 BOULEVARD OF THE ALLIES

PITTSBURGH, PA 15219-1301

412.391.2884 PH

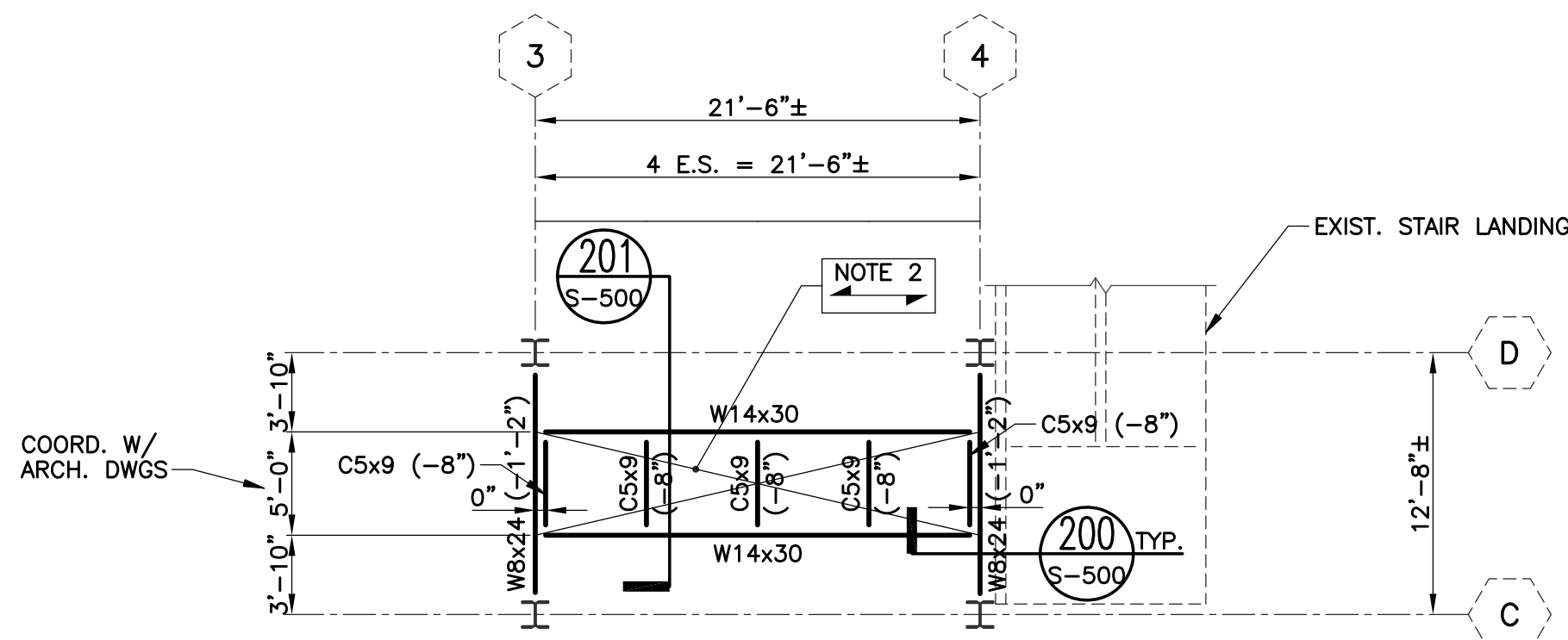
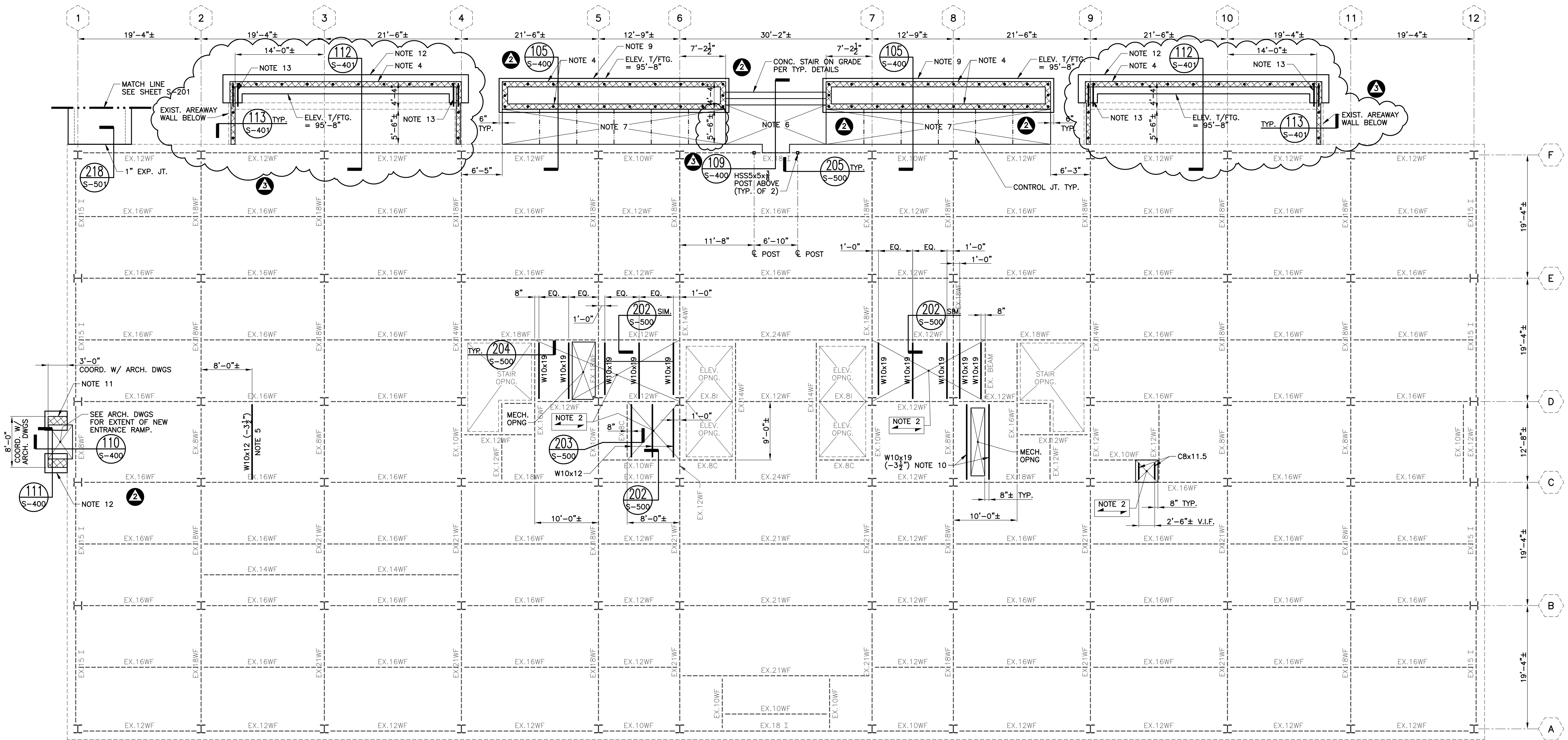
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AES PROJECT # 08-103  
AES PLOT DATE: 01.21.11



### STAIR #1 EXITWAY PLATFORM BETWEEN FLOORS 1 AND 2

SCALE:  $\frac{1}{8}'' = 1'-0''$

#### NOTES:

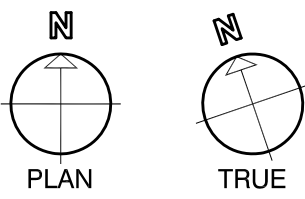
- ELEV. T/STEEL = 108'-5" TYP. U.N.O. (±) FROM 108'-5".
- 3" N.W.T. CONC. SLAB ON 2'-20 GA. COMP. STEEL DECK (TOTAL SLAB THICKNESS = 5") REINF. W/ 6x6-W1.4xW1.4 W.W.F. ELEV. T/SLAB = 108'-2".
- CONTRACTOR TO VERIFY ELEV. T/SLAB MATCHES ELEV. T/EXIST. STAIR LANDING SLAB.

### FIRST FLOOR FRAMING AND FOUNDATION PLAN

SCALE:  $\frac{1}{8}'' = 1'-0''$

#### NOTES:

- ELEV. T/STEEL = 99'-6 $\frac{1}{2}$ " TYP. UNLESS NOTED (±) FROM 99'-6 $\frac{1}{2}$ "
- 3 $\frac{1}{2}$ " N.W.T. CONC. SLAB ON 2'-20 GA. COMP. STEEL DECK (TOTAL SLAB THICKNESS = 5") REINF. W/ 6x6-W1.4xW1.4 W.W.F. ELEV. T/SLAB = 100'-0".
- PROVIDE NEW MECH. DUCT OPNG. THROUGH EXIST. 9"± CONC. FLOOR SLAB PER MECH. DWGS (NOT SHOWN FOR CLARITY) & PROVIDE SUPPLEMENTAL FRAMING PER TYP. FLOOR OPNG. FRAMING DETAILS ON SHEET S-301 AT EACH OPNG.
- 10" CONC. MASONRY WALL REINF. W/ #5 @ 48" O.C. VERT. GROUT CELLS W/ REINF. SOLID F'm = 1,500 PSI.
- COORD. LOCATION OF W10 W/ PLATFORM STAIR STRINGER LOCATION PER ARCH. DWGS. DRYPACK BEAM TIGHT TO U/S OF EXIST. SLAB W/ NON-SHRINK GROUT.
- 4" CONC. SLAB ON GRADE REINF. W/ 6x6-W1.4xW1.4 W.W.F. ELEV. T/SLAB = SEE ARCH. DWGS. COORD. EXTENTS W/ ARCH. DWGS.
- 4" CONC. RAMP SLAB ON GRADE REINF. W/ 6x6-W1.4xW1.4 W.W.F. ELEV. T/SLAB = SLOPES, SEE ARCH. DWGS.
- ELEV. T/EXIST. STEEL = -0'-5 $\frac{1}{2}$ " BELOW FINISHED FLOOR TYP. PER EXIST. STRUCTURAL DRAWINGS. FIELD VERIFY ELEV. T/EXIST. STEEL AS REQ'D.
- 5'-4"x1'-0" THICK CONT. WALL FTG. REINF. W/ 3-#5 LONG. TOP & BOT. & #5 @ 12" O.C. TRANSVERSE TOP & BOT.
- COORD. LOCATION OF W10'S W/ MECH. OPNG. PER ARCH. & MECH. DWGS. DRYPACK BEAM TIGHT TO U/S PF EXIST. SLAB W/ NON-SHRINK GROUT.
- 16" CONC. MASONRY WALL GROUTED SOLID.
- 3'-0"x1'-0" THICK CONT. CONC. WALL FTG. REINF. W/ 3-#5 LONG. & #5 @ 12" O.C. TRANS.



13. DOWEL NEW FTG. TO EXIST. WALL W/ 2-#5 x 3'-6" DOWELS DRILLED & EPOXIED INTO EXIST. CONC. FDN. WALL W/HILT/ HIT HY-150 MAX. ADHESIVE SYSTEM OR APPROVED EQUIV. W/ MIN. 6" EMBED.

PWWG PROJECT NO. 20703.00

100% CD SUBMISSION OCTOBER 8, 2010

ADDENDUM #2 DECEMBER 8, 2010

ADDENDUM #3 JANUARY 21, 2011

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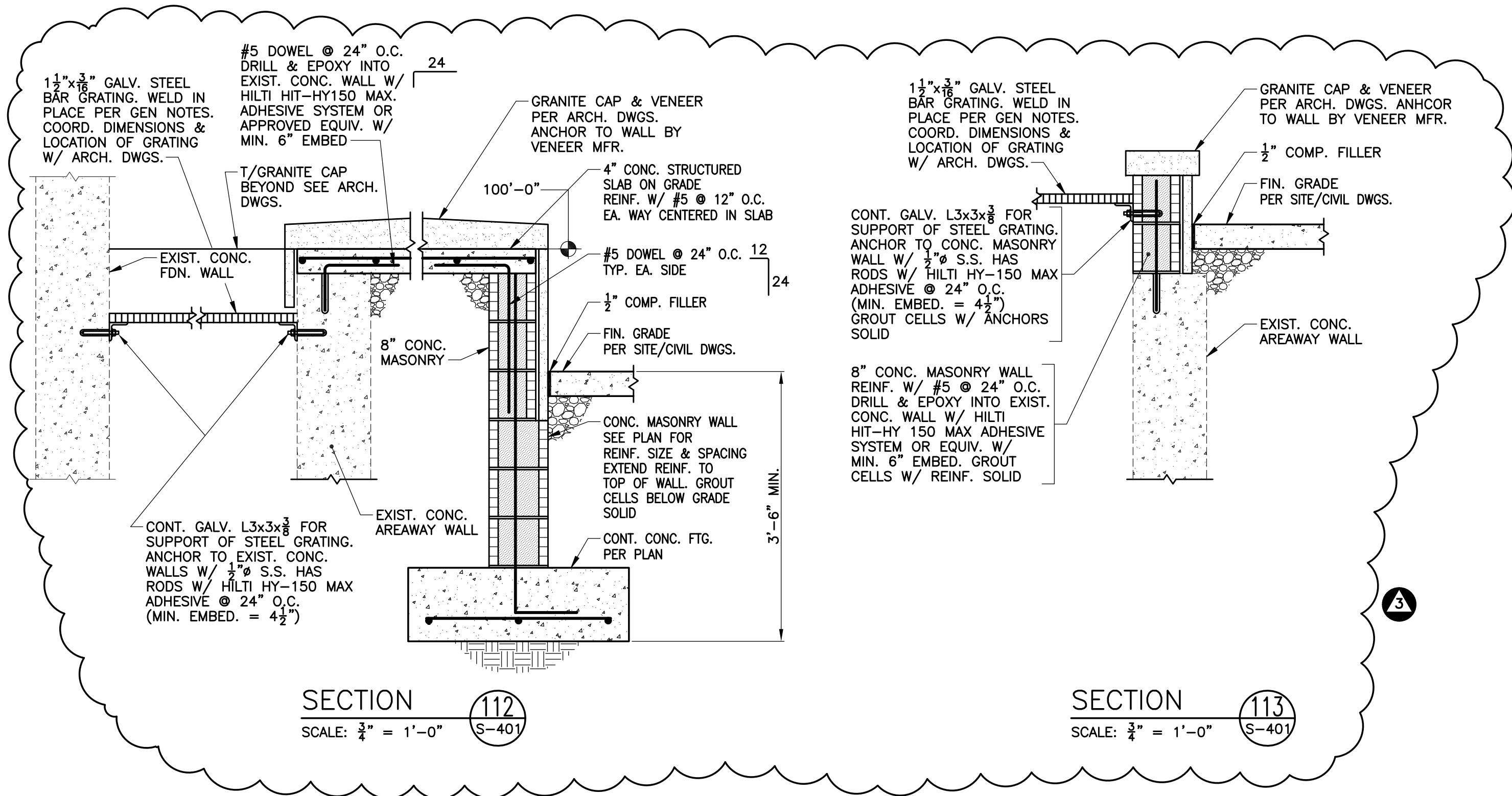
### WEST VIRGINIA STATE OFFICE BUILDING NO.3 RENOVATION

1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305

### FIRST FLOOR FRAMING PLAN

# S-101





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AES PROJECT # 08-103  
AES PLOT DATE: 01.21.11

|                           |                  |
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| 100% CD SUBMISSION        | OCTOBER 8, 2010  |
| ADDENDUM #2               | DECEMBER 8, 2010 |
| ADDENDUM #3               | JANUARY 21, 2011 |

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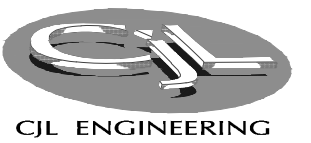
## WEST VIRGINIA STATE OFFICE BUILDING NO.3 RENOVATION

1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305

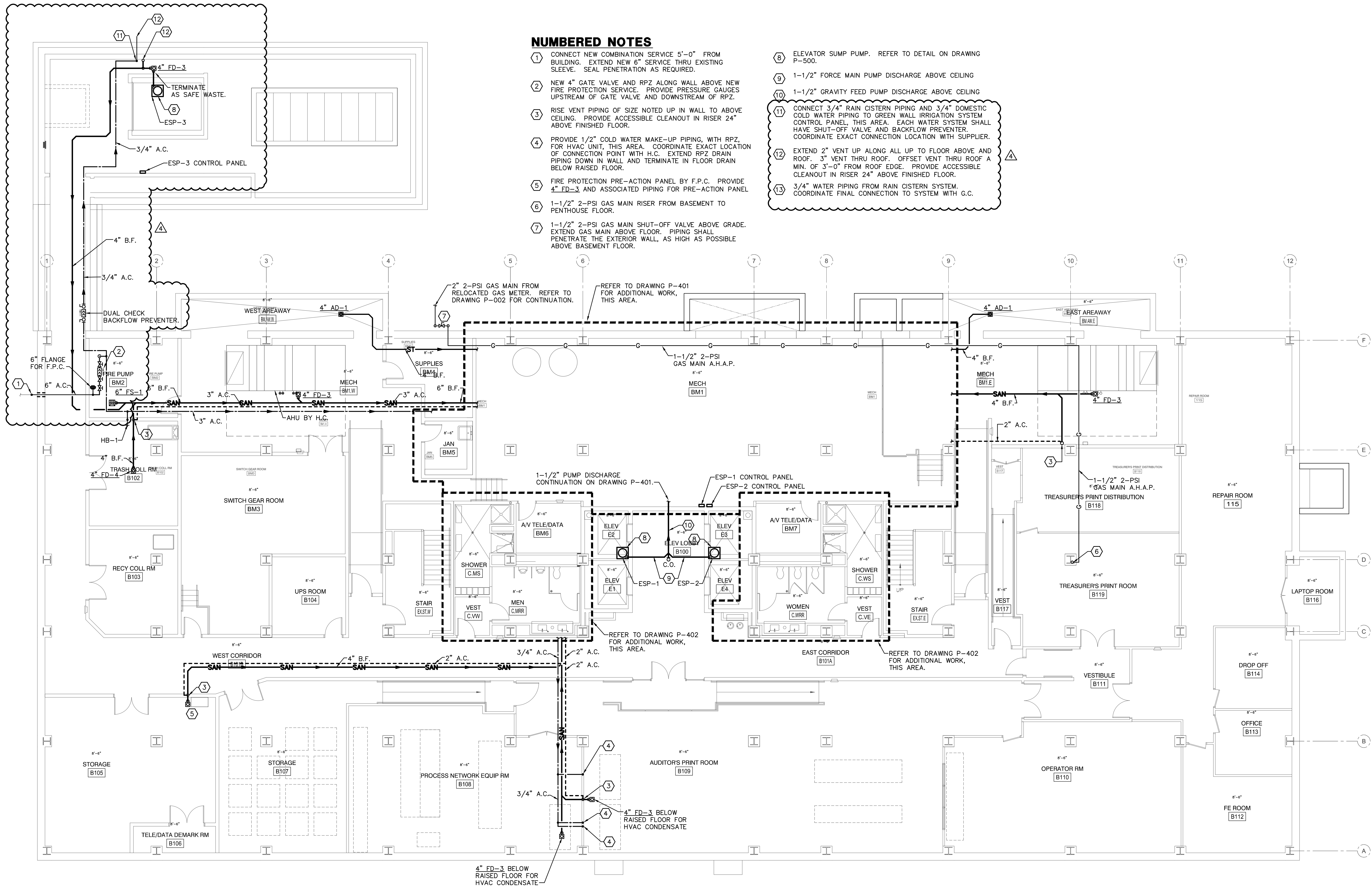
### SECTIONS & DETAILS

S-401





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CJL Project #07-006



### NUMBERED NOTES

- CONNECT NEW COMBINATION SERVICE 5'-0" FROM BUILDING. EXTEND NEW 6" SERVICE THRU EXISTING SLEEVE. SEAL PENETRATION AS REQUIRED.
- NEW 4" GATE VALVE AND RPZ ALONG WALL ABOVE NEW FIRE PROTECTION SERVICE. PROVIDE PRESSURE GAUGES UPSTREAM OF GATE VALVE AND DOWNSTREAM OF RPZ.
- RISE VENT PIPING OF SIZE NOTED UP IN WALL TO ABOVE CEILING. PROVIDE ACCESSIBLE CLEANOUT IN RISER 24" ABOVE FINISHED FLOOR.
- PROVIDE 1/2" COLD WATER MAKE-UP PIPING, WITH RPZ, FOR HVAC UNIT, THIS AREA. COORDINATE EXACT LOCATION OF CONNECTION POINT WITH H.C. EXTEND RPZ DRAIN PIPING DOWN IN WALL AND TERMINATE IN FLOOR DRAIN BELOW RAISED FLOOR.
- FIRE PROTECTION PRE-ACTION PANEL BY F.P.C. PROVIDE 4" FD-3 AND ASSOCIATED PIPING FOR PRE-ACTION PANEL.
- 1-1/2" 2-PSI GAS MAIN RISER FROM BASEMENT TO PENTHOUSE FLOOR.
- 1-1/2" 2-PSI GAS MAIN SHUT-OFF VALVE ABOVE GRADE. EXTEND GAS MAIN ABOVE FLOOR. PIPING SHALL PENETRATE THE EXTERIOR WALL, AS HIGH AS POSSIBLE ABOVE BASEMENT FLOOR.
- ELEVATOR SUMP PUMP. REFER TO DETAIL ON DRAWING P-500.
- 1-1/2" FORCE MAIN PUMP DISCHARGE ABOVE CEILING.
- 1-1/2" GRAVITY FEED PUMP DISCHARGE ABOVE CEILING.
- CONNECT 3/4" RAIN CISTERN PIPING AND 3/4" DOMESTIC COLD WATER PIPING TO GREEN WALL IRRIGATION SYSTEM CONTROL PANEL, THIS AREA. EACH WATER SYSTEM SHALL HAVE SHUT-OFF VALVE AND BACKFLOW PREVENTER. COORDINATE EXACT CONNECTION LOCATION WITH SUPPLIER.
- EXTEND 2" VENT UP ALONG ALL UP TO FLOOR ABOVE AND ROOF. 3" VENT THRU ROOF. OFFSET VENT THRU ROOF A MIN. OF 3'-0" FROM ROOF EDGE. PROVIDE ACCESSIBLE CLEANOUT IN RISER 24" ABOVE FINISHED FLOOR.
- 3/4" WATER PIPING FROM RAIN CISTERN SYSTEM. COORDINATE FINAL CONNECTION TO SYSTEM WITH G.C.

1 BASEMENT FLOOR PLAN - PLUMBING  
P-100 1/8" = 1'-0"

PWWG PROJECT NO. 20703.00  
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WEST VIRGINIA STATE  
OFFICE BUILDING NO.3  
RENOVATION

1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305

BASEMENT FLOOR PLAN -  
PLUMBING

P-100



GENERAL NOTES

- 1. ALL WORK ASSOCIATED WITH CONNECTION AT THE UTILITY MANHOLE, RUNNING 15KV FEEDS IN DUCTBANK TO THE LOADING PAVILION, PROVIDING 15KV UTILITY SWITCHES, AND PROVIDING THE 15KV POWER CONNECTION TO THESE NEW SWITCHES SHALL BE DONE BY APPALACHIAN POWER CO. AN ALLOWANCE HAS BEEN PROVIDED IN THE GENERAL CONTRACTOR'S BID FOR THIS WORK IN ACCORDANCE WITH SPECIFICATION SECTION 012100.
- 2. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES, TO ENSURE ADEQUATE SLOPES ARE AVAILABLE FOR UNDERGROUND PLUMBING AND THAT ALL REQUIRED CLEARANCES ARE MET.

NUMBERED NOTES

- 1 60A EVENT BOX TO REMAIN. CIRCUIT TO BE REFEED FROM NEW PANEL BOARD IN BASEMENT LEVEL.
- 2 100A EVENT BOX TO REMAIN. CIRCUIT TO BE REFEED FROM NEW PANEL BOARD IN BASEMENT LEVEL.
- 3 EXISTING (3) 6" CONDUIT (1) SPARE TO REMAIN.
- 4 EXISTING (2) 15KV UNDERGROUND ELECTRIC CIRCUITS TO BE REMOVED UPON COMPLETION OF THE NEW ELECTRICAL SERVICE INTO THE LOADING PAVILION AND THEN INTO BUILDING #3.
- 5 EXISTING ELECTRIC MANHOLE TO REMAIN.
- 6 EXISTING TELECOMMUNICATIONS CONDUIT AND FIBER OPTIC CABLE TO REMAIN. MAINTAIN CONTINUITY OF THIS LINE THROUGHOUT CONSTRUCTION.
- 7 EXISTING DUCTBANK SHALL BE EXISTING TO BE REMOVED.
- 8 EXISTING TRANSFORMER IN UNDERGROUND VAULT TO BE REMOVED. ASSOCIATED WORK TO BE COORDINATED WITH UTILITY COMPANY. VAULT SHALL BE EXISTING TO BE ABANDONED AND FILLED.
- 9 LOCATION OF EMERGENCY GENERATOR.
- 10 EXISTING SITE POLE LIGHTING CIRCUIT TO BE MAINTAINED AND REFEED FROM NEW PANEL LOCATED IN THE BASEMENT. COORDINATE WITH ARCHITECT AND CIVIL SITE PLAN.
- 11 EXISTING SITE POLE LIGHTING TO BE REMOVED AND RELOCATED. MAINTAIN CONTINUITY OF EXISTING CIRCUIT AND EXTEND ASSOCIATED WIRE AND CONDUIT AS REQUIRED TO NEW POLE LOCATION.
- 12 15KV TO 480V TRANSFORMERS OWNED BY THE STATE. PROVIDE PAD AS RECOMMENDED BY TRANSFORMER MANUFACTURER.
- 13 EXISTING POWER COMPANY MANHOLE TO REMAIN. THIS MANHOLE IS IDENTIFIED ON THE SINGLE LINE DIAGRAM AS MH#1.
- 14 EXISTING POLE BASE TO REMAIN. MATCH POLE BOLT PATTERN TO EXISTING POLE BASE BOLT PATTERN. REPLACE EXISTING FIXTURE WITH NEW TYPE 'SL' LIGHT FIXTURE.
- 15 NEW POWER COMPANY MANHOLES.
- 16 APPROXIMATE LOCATION OF UNDERGROUND GENERATOR FUEL TANK. SEE DWG EP-101 FOR DETAIL.
- 17 CIRCUIT SHALL BE CONTROLLED VIA LIGHTING CONTROL PANEL AND PHOTOCELL. PROVIDE #8 AWG WIRE FOR ENTIRE CIRCUIT.
- 18 COORDINATE LOCATION AND MOUNTING OF PHOTOCELL IN THE FIELD. PROVIDE CONNECTION TO LIGHTING CONTROL PANEL. COORDINATE WIRING REQUIREMENTS WITH MANUFACTURER.
- 19 SEE DRAWING EM-100 FOR CONTINUATION.
- 20 NEW MANHOLE #3.
- 21 LIFT STATION PUMPS.
- 22 EXISTING JUNCTION BOX TO BE REMOVED.
- 23 HYDRAULIC RETRACTABLE BOLLARDS

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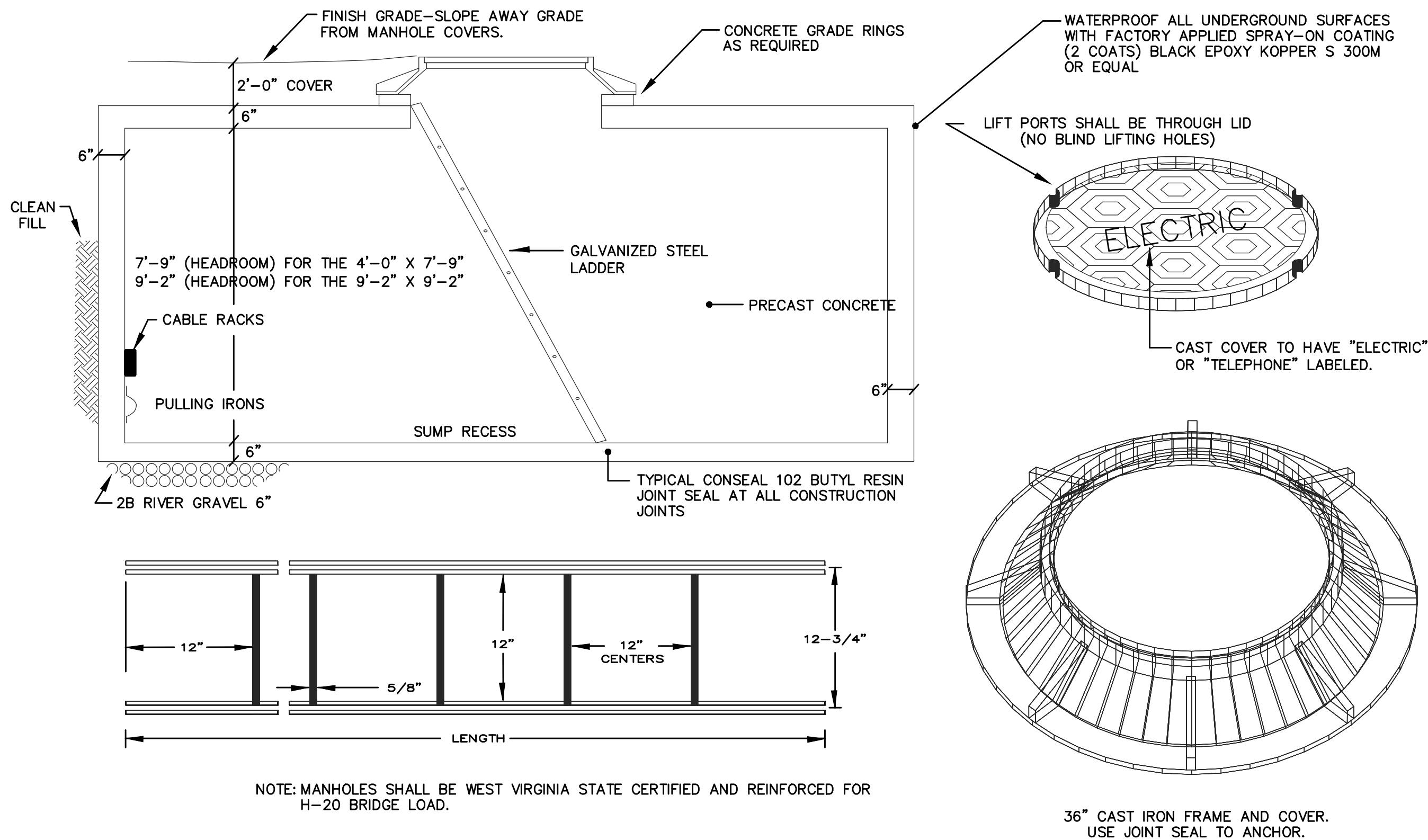
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| 100% CD SUBMISSION                                  | OCTOBER 8, 2010   |
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| ADDENDUM #3                                         | JANUARY 21, 2011  |
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WEST VIRGINIA STATE  
OFFICE BUILDING NO.3  
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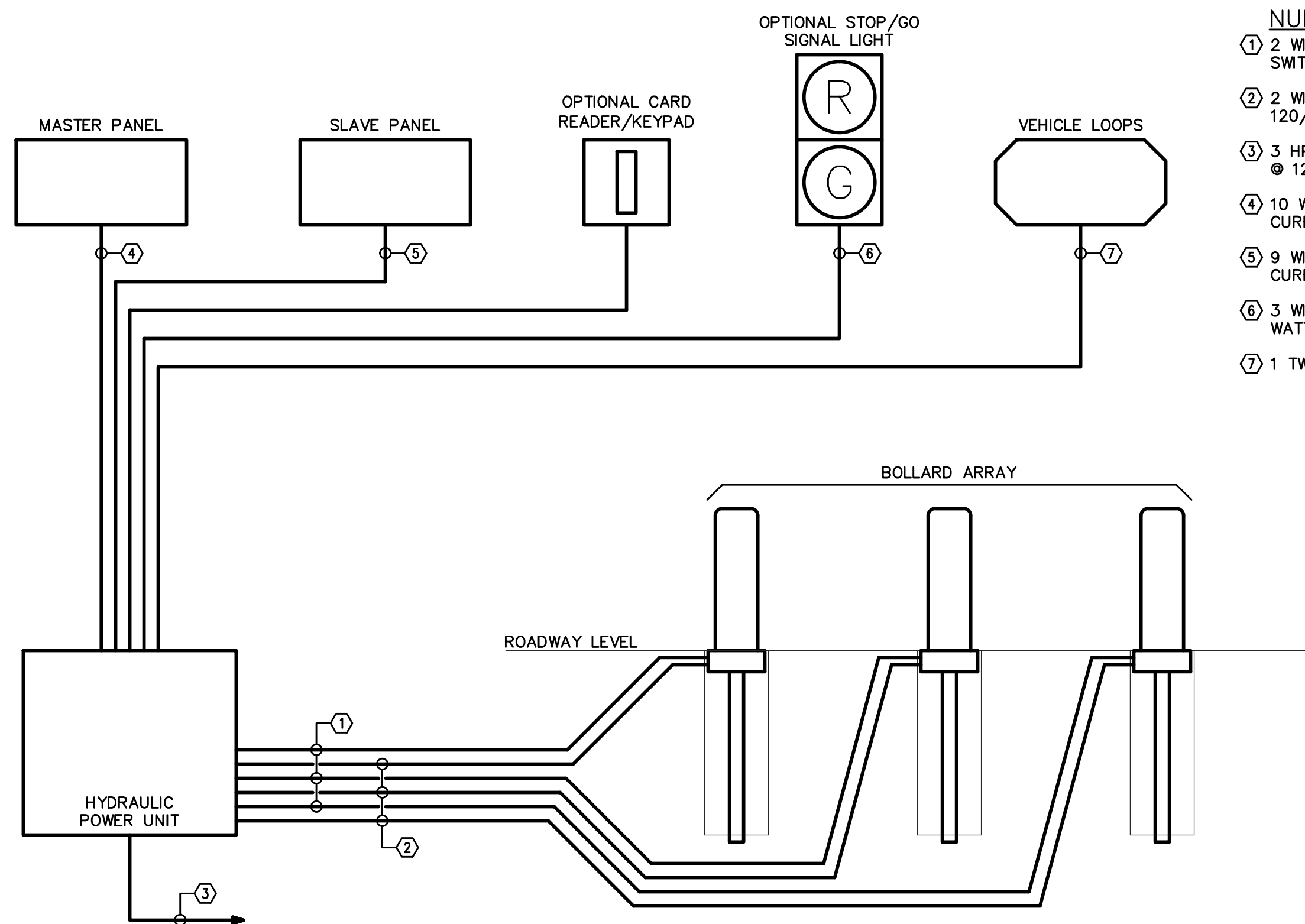
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SITE PLAN

ES-001



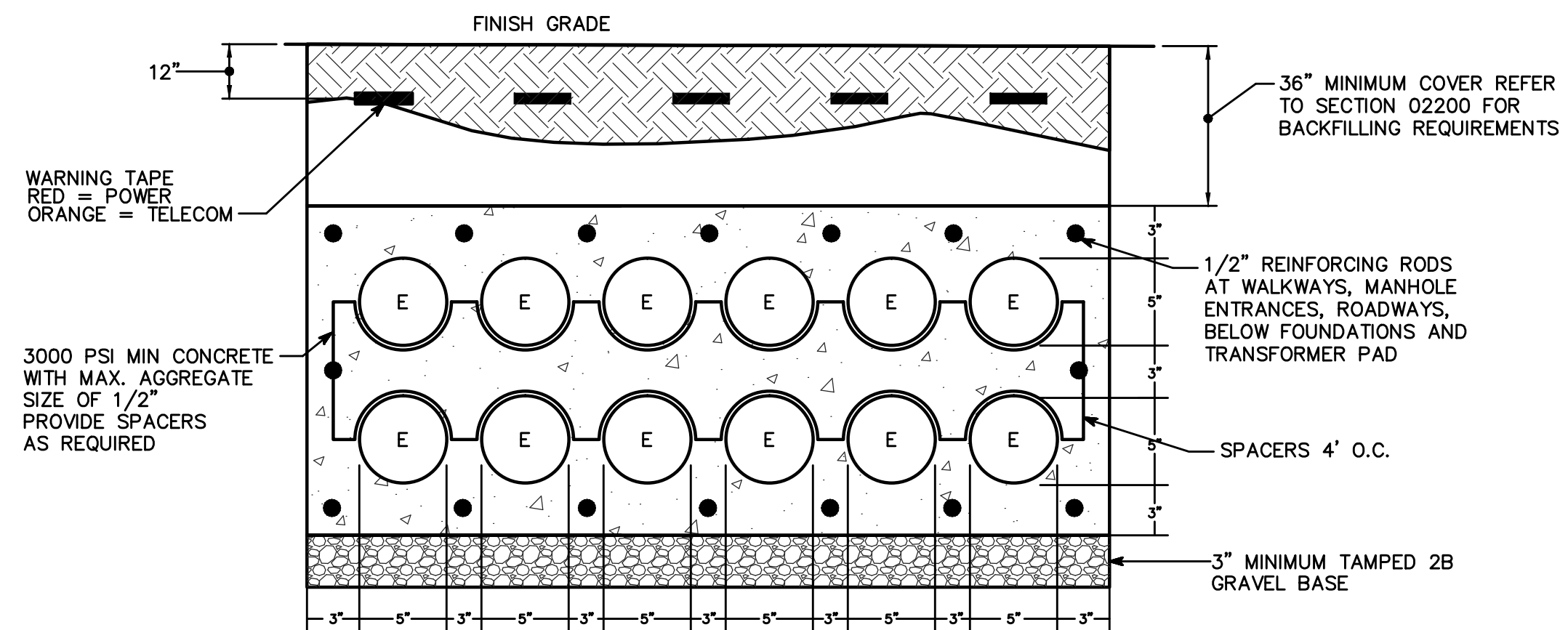
1 ELECTRICAL MAN HOLE DETAIL  
ES-002 NO SCALE



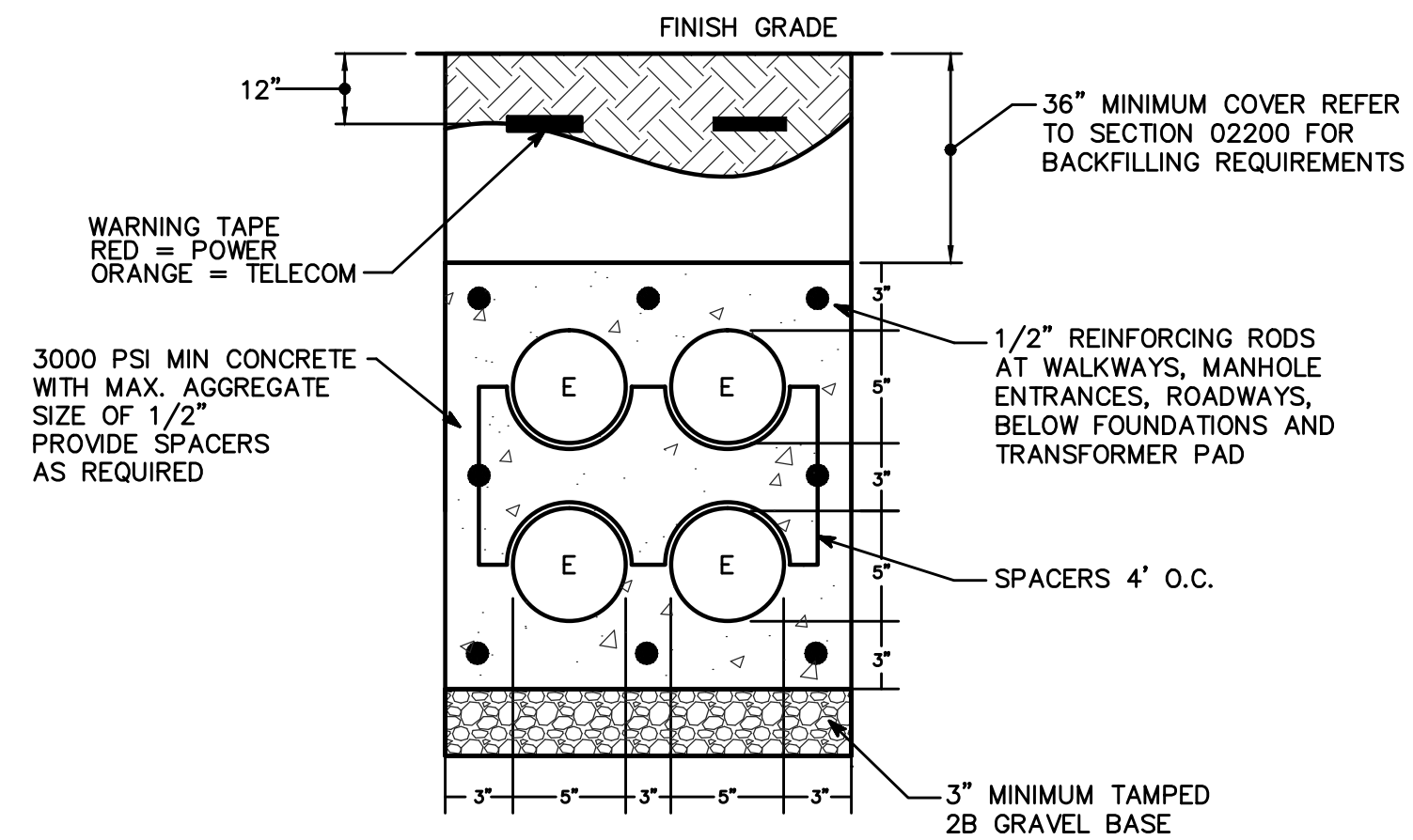
4 HYDRAULIC BOLLARD DETAIL  
ES-002 NO SCALE

#### NUMBERED NOTES

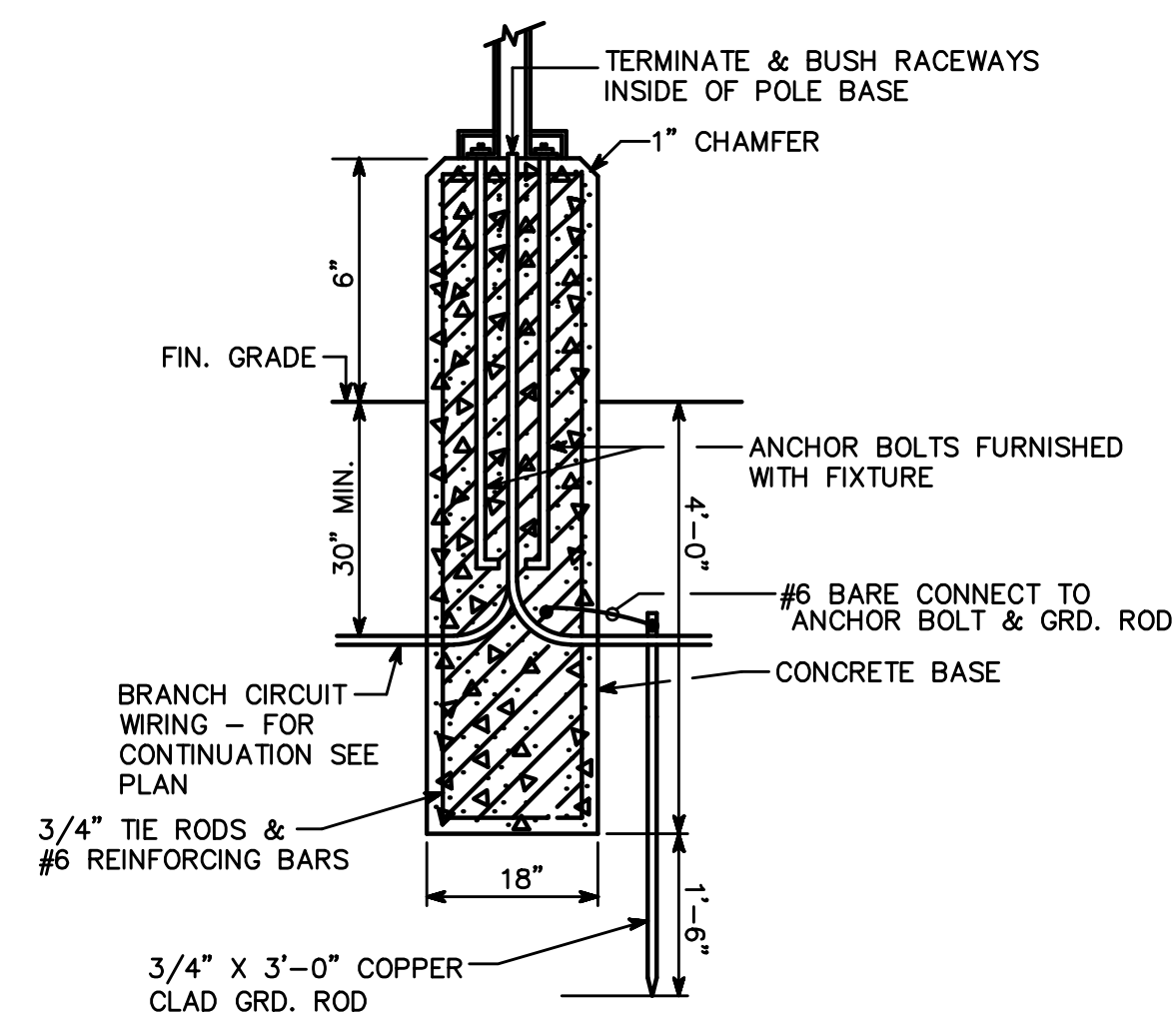
- ① 2 WIRES - L.S./CONTROL CIRCUIT (0.0038 AMP @ 24 VDC) SWITCHES WIRED IN SERIES.
- ② 2 WIRES - HEATERS/CONTROL CIRCUIT (200 WATTS @ 120/240 VAC) WIRED IN PARALLEL.
- ③ 3 HP @ 208-230/260/3/60 MOTOR POWER & 15 AMP @ 120-240/1/50-60 CONTROL POWER.
- ④ 10 WIRES - MASTER/CONTROL CIRCUIT (2 AMP MAXIMUM CURRENT @ 24 VDC).
- ⑤ 9 WIRES - SLAVE/CONTROL CIRCUIT (2 AMP MAXIMUM CURRENT @ 24 VDC).
- ⑥ 3 WIRES CONTROL CIRCUIT TO EACH SIGNAL LIGHT (40 WATTS @ 120-240/1/50-60).
- ⑦ 1 TWISTED PAIR.



2 DUCT BANK DETAIL 'B-B'  
ES-002 NO SCALE



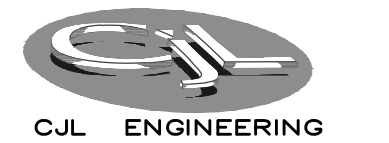
3 DUCT BANK DETAIL 'A-A'  
ES-002 NO SCALE



5 POLE BASE MOUNTING DETAIL  
ES-002 NO SCALE

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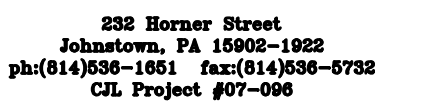
WEST VIRGINIA STATE  
OFFICE BUILDING NO.3  
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BUILDING NO. 3, CAPITOL COMPLEX  
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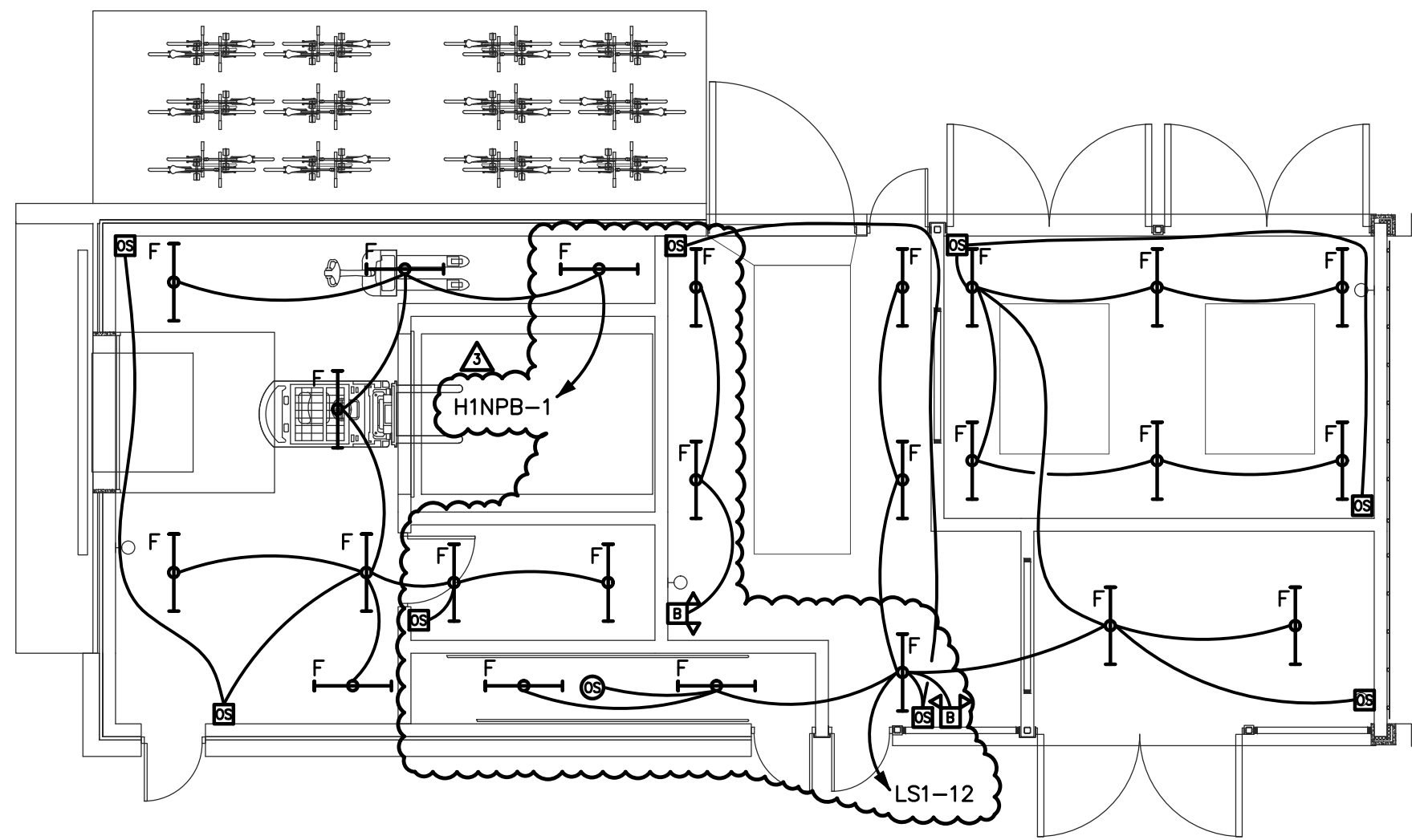
SITE PLAN DETAILS

ES-002

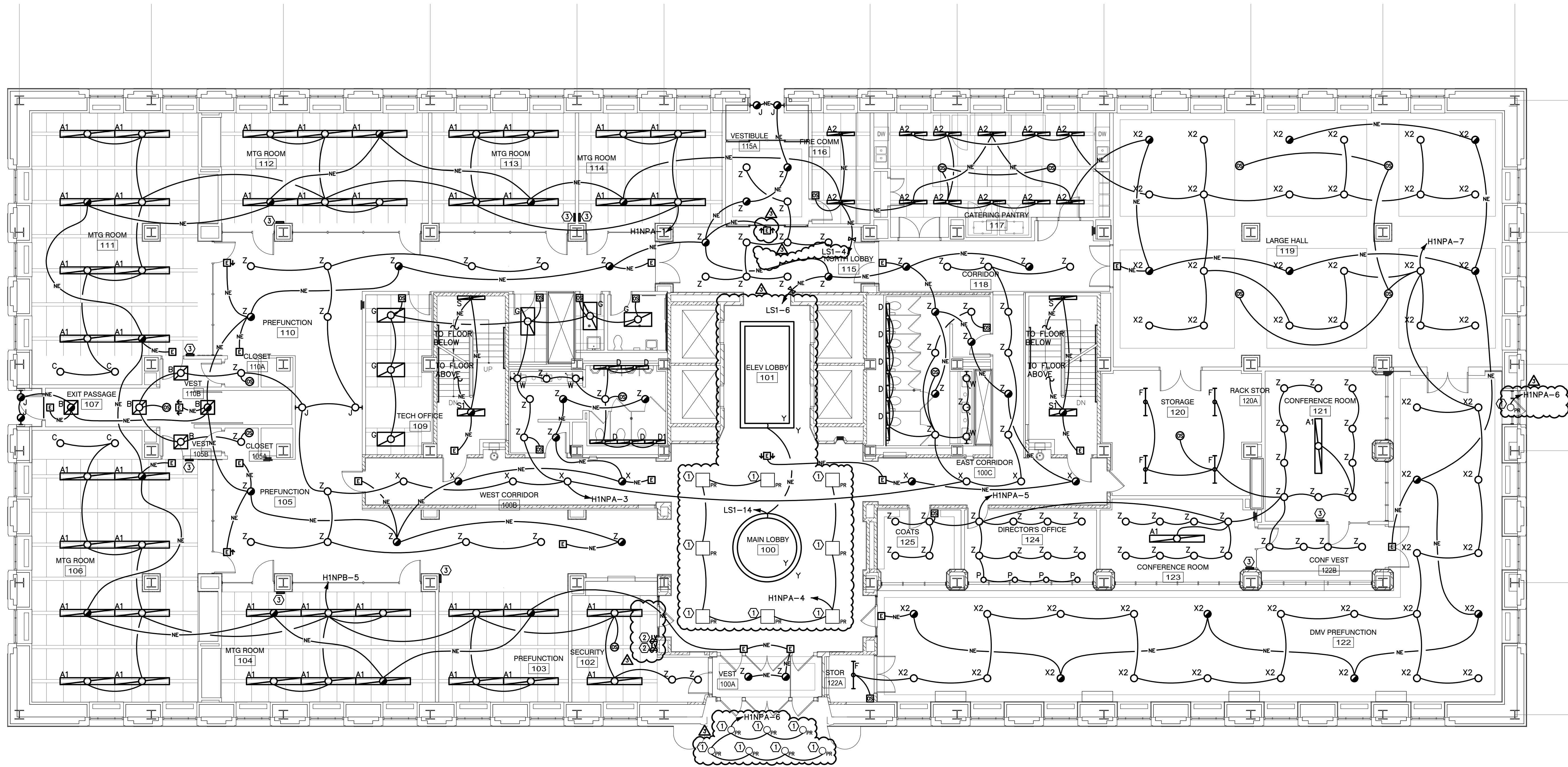




# EL-100



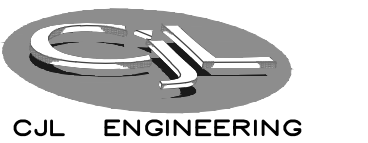
- NUMBERED NOTES**
- ① FIXTURE IS PRESENT TO REMAIN AND SHALL BE RELAMPED.
  - ② LOW VOLTAGE LIGHTING CONTROL SWITCHES TO BE PROGRAMMED AS DIRECTED BY THE WEST VIRGINIA FACILITIES PLANNING OFFICE.
  - ③ LIGHTING CONTROL PANEL. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.



1 FIRST FLOOR PLAN - LIGHTING  
EL-101 1/8" = 1'-0"

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WEST VIRGINIA STATE  
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FIRST FLOOR PLAN -  
LIGHTING

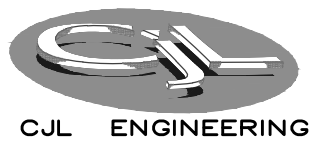
EL-101

NUMBERED NOTES:

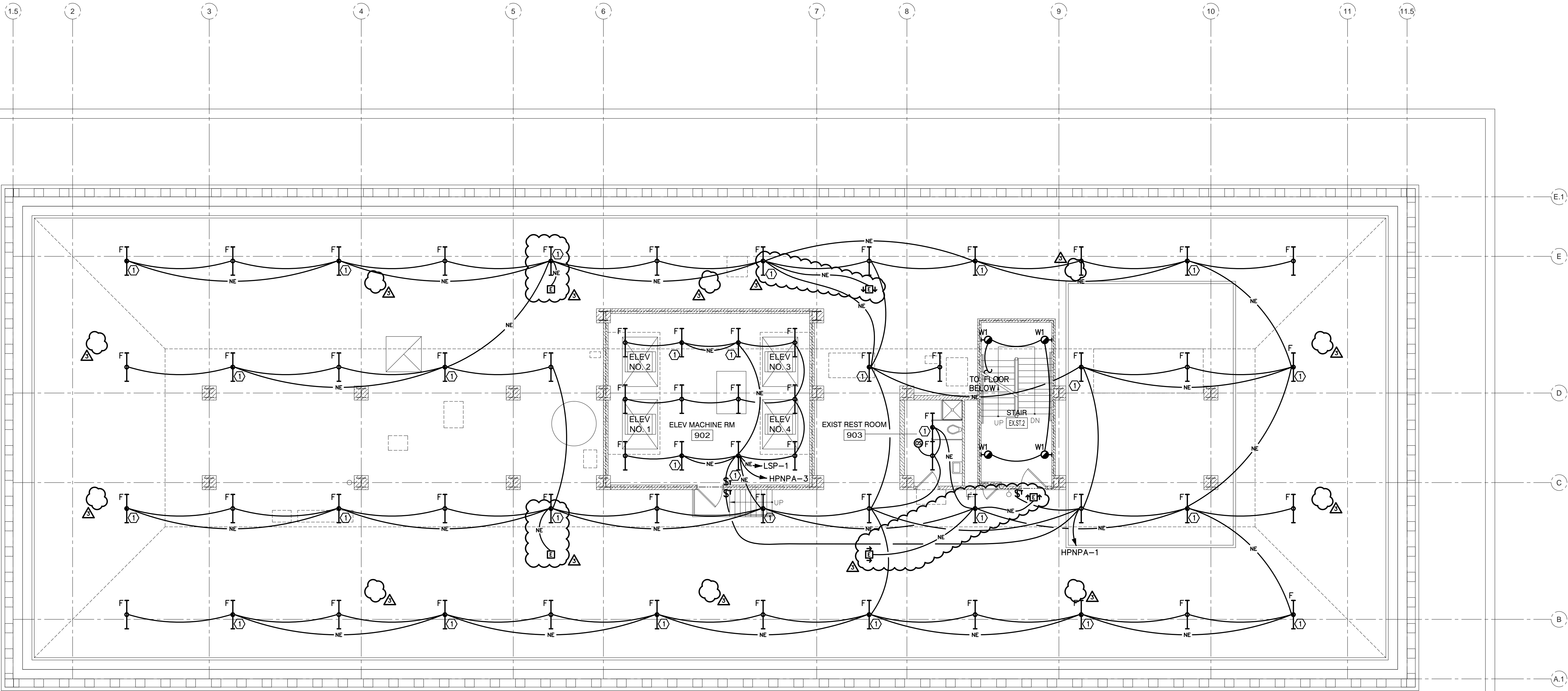
① PROVIDE A BODINE GTD ON THESE FIXTURES WIRED SUCH THAT THEY ARE POWERED FROM THE NORMAL CIRCUIT UNDER NORMAL POWER CONDITIONS AND SWITCHED WITH THE SWITCHES SHOWN. UNDER EMERGENCY POWER CONDITIONS, THE BODINE GENERATOR TRANSFER DEVICE SHALL TRANSFER OVER TO THE UNSWITCHED NORMAL/EMERGENCY CIRCUIT.

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1 PENTHOUSE PLAN - LIGHTING  
EL-109 1/8" = 1'-0"

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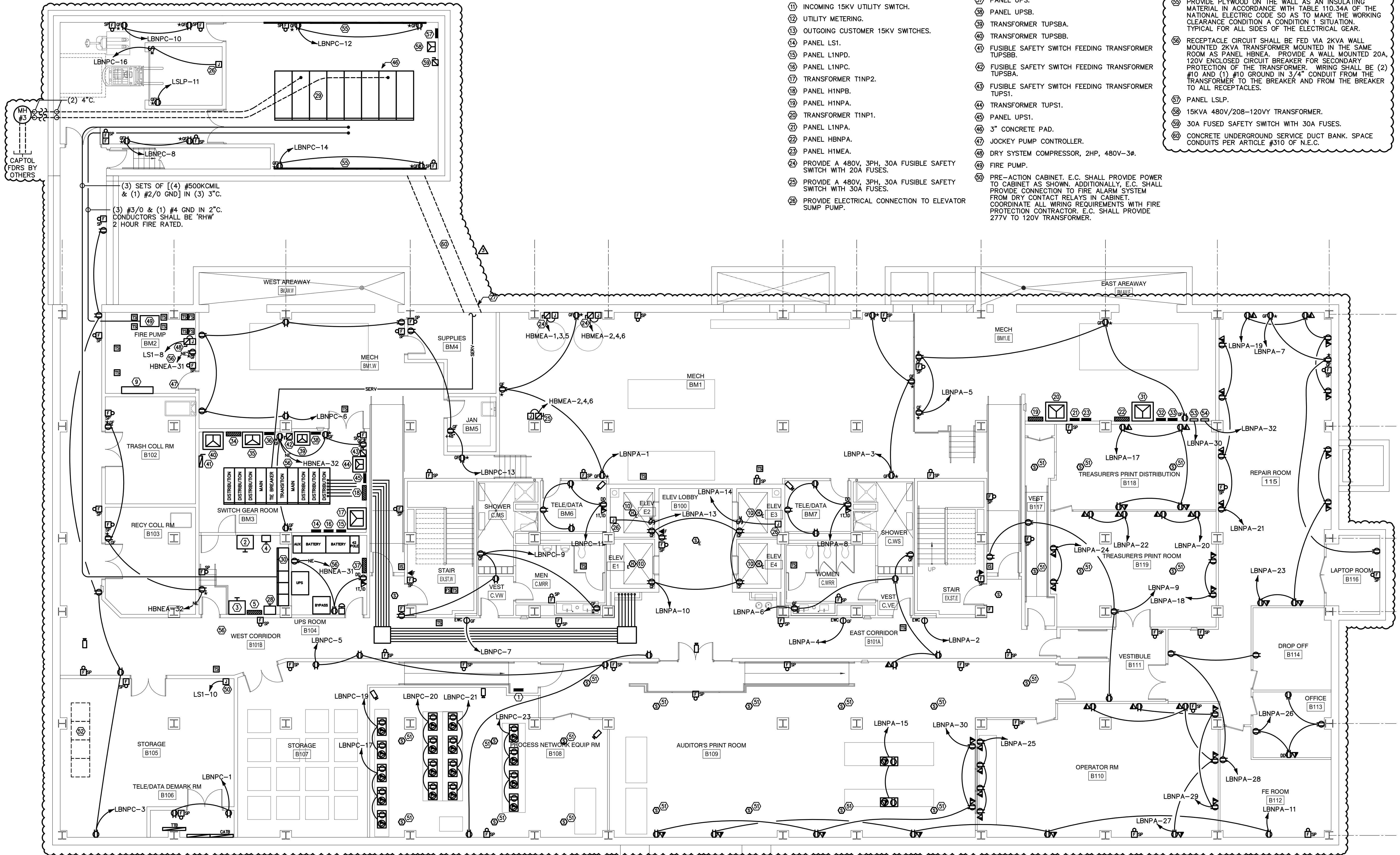
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PENTHOUSE PLAN - LIGHTING

EL-109





1 BASEMENT FLOOR PLAN - POWER & SYSTEMS  
EP-100 1/8" = 1'-0"

NUMBERED NOTES:

- 1 PANEL AUDIT UPS.
- 2 AUTOMATIC TRANSFER SWITCH ATS-NE.
- 3 AUTOMATIC TRANSFER SWITCH ATS-UPS.
- 4 AUTOMATIC TRANSFER SWITCH ATS-LS.
- 5 PANEL HBNEA.
- 6 NOT USED.
- 7 NOT USED.
- 8 NOT USED.
- 9 FIRE PUMP CONTROLLER.
- 10 DEVICE SHALL BE MOUNTED IN THE ELEVATOR PIT WITHIN 2'-0" OF THE SPRINKLER HEAD.
- 11 INCOMING 15KV UTILITY SWITCH.
- 12 UTILITY METERING.
- 13 OUTGOING CUSTOMER 15KV SWITCHES.
- 14 PANEL LS1.
- 15 PANEL L1NPD.
- 16 PANEL L1NPC.
- 17 TRANSFORMER T1NP2.
- 18 PANEL H1NPB.
- 19 PANEL H1NPA.
- 20 TRANSFORMER T1NP1.
- 21 PANEL L1NPA.
- 22 PANEL HBNEA.
- 23 PANEL H1MEA.
- 24 PROVIDE A 480V, 3PH, 30A FUSIBLE SAFETY SWITCH WITH 20A FUSES.
- 25 PROVIDE A 480V, 3PH, 30A FUSIBLE SAFETY SWITCH WITH 30A FUSES.
- 26 PROVIDE ELECTRICAL CONNECTION TO ELEVATOR SUMP PUMP.

NUMBERED NOTES:(cont.)

- 27 SEE STRUCTURAL DRAWING FOR WALL OPENINGS.
- 28 AUTOMATIC TRANSFER SWITCH ATS-ELEV.
- 29 15KV WEST VIRGINIA CAPITOL SWITCHGEAR.
- 30 EMERGENCY ONLY SWITCHBOARD.
- 31 TRANSFORMER TBNP1.
- 32 PANEL LBNPA.
- 33 PANEL HBMEA.
- 34 PANEL HBNPB.
- 35 TRANSFORMER TBNP2.
- 36 PANEL LBNPC.
- 37 PANEL UPS.
- 38 PANEL UPSB.
- 39 TRANSFORMER TUPSBA.
- 40 TRANSFORMER TUPSBB.
- 41 FUSIBLE SAFETY SWITCH FEEDING TRANSFORMER TUPSBB.
- 42 FUSIBLE SAFETY SWITCH FEEDING TRANSFORMER TUPSBA.
- 43 FUSIBLE SAFETY SWITCH FEEDING TRANSFORMER TUPS1.
- 44 TRANSFORMER TUPS1.
- 45 PANEL UPS1.
- 46 3" CONCRETE PAD.
- 47 JOCKEY PUMP CONTROLLER.
- 48 DRY SYSTEM COMPRESSOR, 2HP, 480V-3Ø.
- 49 FIRE PUMP.
- 50 PRE-ACTION CABINET. E.C. SHALL PROVIDE POWER TO CABINET AS SHOWN. ADDITIONALLY, E.C. SHALL PROVIDE CONNECTION TO FIRE ALARM SYSTEM FROM DRY CONTACT RELAYS IN CABINET. COORDINATE ALL WIRING REQUIREMENTS WITH FIRE PROTECTION CONTRACTOR. E.C. SHALL PROVIDE 277V TO 120V TRANSFORMER.

NUMBERED NOTES:(cont.)

- 51 DETECTORS SHALL BE FURNISHED AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR.
- 52 BUILDING NO.1 AND NO.3 EXISTING 15KV SWITCHGEAR. THE EXISTING ELECTRICAL SERVICE FEEDS TO BUILDING NO.1 SHALL REMAIN ENERGIZED UNTIL COMPLETION OF BUILDING NO.3 NEW ELECTRICAL SERVICE, AND BUILDING NO.1 NEW ELECTRICAL SERVICE FEEDS (BY WEST VIRGINIA STATE CAPITOL FACILITIES DEPARTMENT). COORDINATE ALL WORK ASSOCIATED WITH BUILDING NO.1 ELECTRICAL SERVICE TIE IN AND DEMOLITION OF EXISTING 15KV SWITCHGEAR WITH WEST VIRGINIA STATE CAPITOL FACILITIES DEPARTMENT.
- 53 PANEL DPG.
- 54 PANEL DP1.
- 55 PROVIDE PLYWOOD ON THE WALL AS AN INSULATING MATERIAL IN ACCORDANCE WITH TABLE 110.3.4A OF THE NATIONAL ELECTRIC CODE SO AS TO MAKE THE WORKING CLEARANCE CONDITION A CONDITION 1 SITUATION. TYPICAL FOR ALL SIDES OF THE ELECTRICAL GEAR.
- 56 RECEPTACLE CIRCUIT SHALL BE FED VIA 2KVA WALL MOUNTED 2KVA TRANSFORMER MOUNTED IN THE SAME ROOM AS PANEL HBNEA. PROVIDE A WALL MOUNTED 20A, 120V ENCLOSED CIRCUIT BREAKER FOR SECONDARY PROTECTION OF THE TRANSFORMER. WIRING SHALL BE (2) #10 AND (1) #10 GROUND IN 3/4" CONDUIT FROM THE TRANSFORMER TO THE BREAKER AND FROM THE BREAKER TO ALL RECEPTACLES.
- 57 PANEL LSLP.
- 58 15KVA 480V/208-120V TRANSFORMER.
- 59 30A FUSED SAFETY SWITCH WITH 30A FUSES.
- 60 CONCRETE UNDERGROUND SERVICE DUCT BANK. SPACE CONDUITS PER ARTICLE #310 OF N.E.C.

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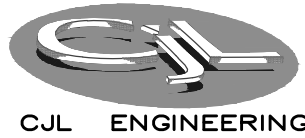
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CJL Project #07-006

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ADDENDUM #2 DECEMBER 8, 2010  
ADDENDUM #3 JANUARY 21, 2011

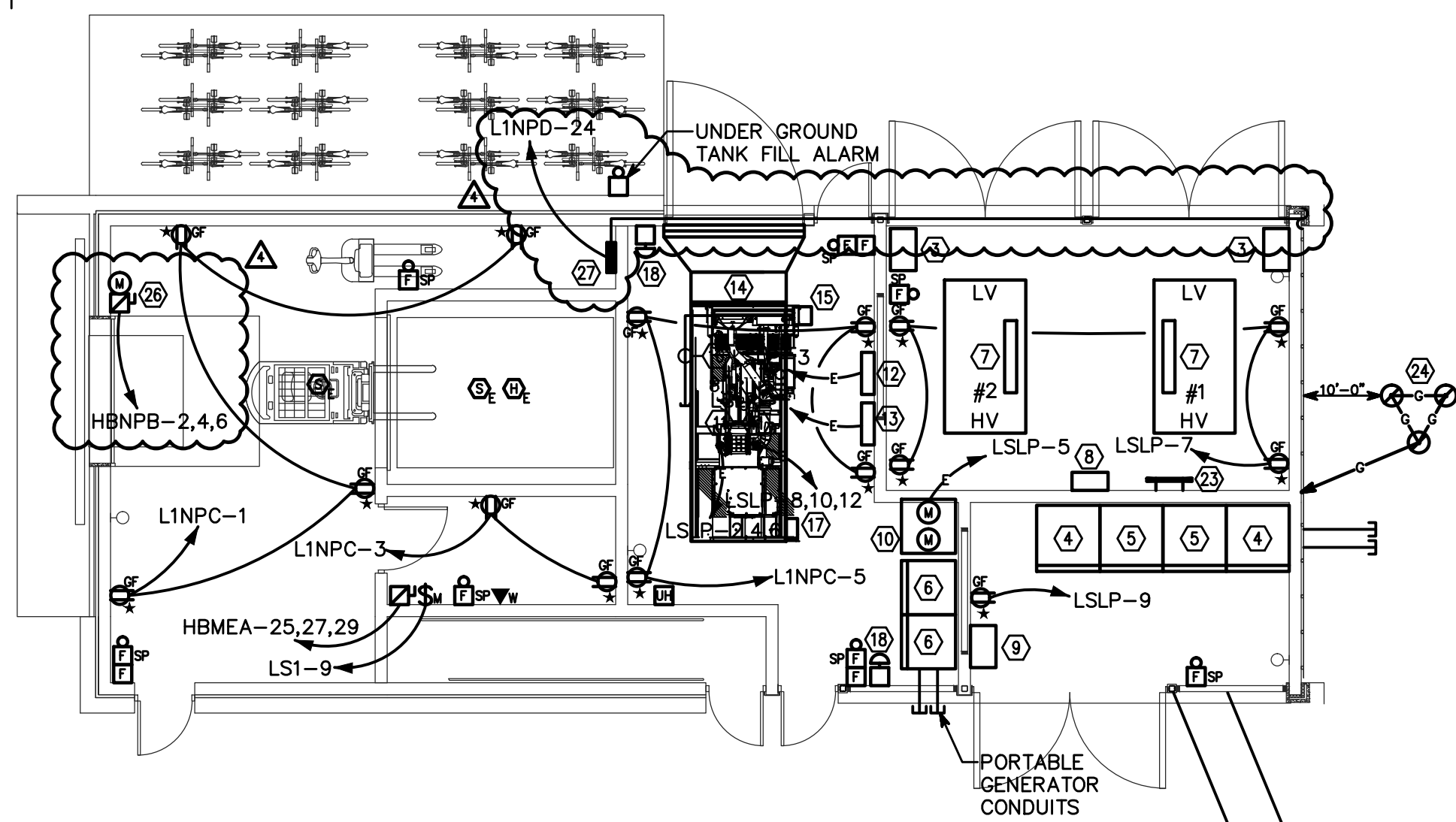
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WEST VIRGINIA STATE  
OFFICE BUILDING NO.3  
RENOVATION

1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305

BASEMENT FLOOR PLAN -  
POWER & SYSTEMS

EP-100



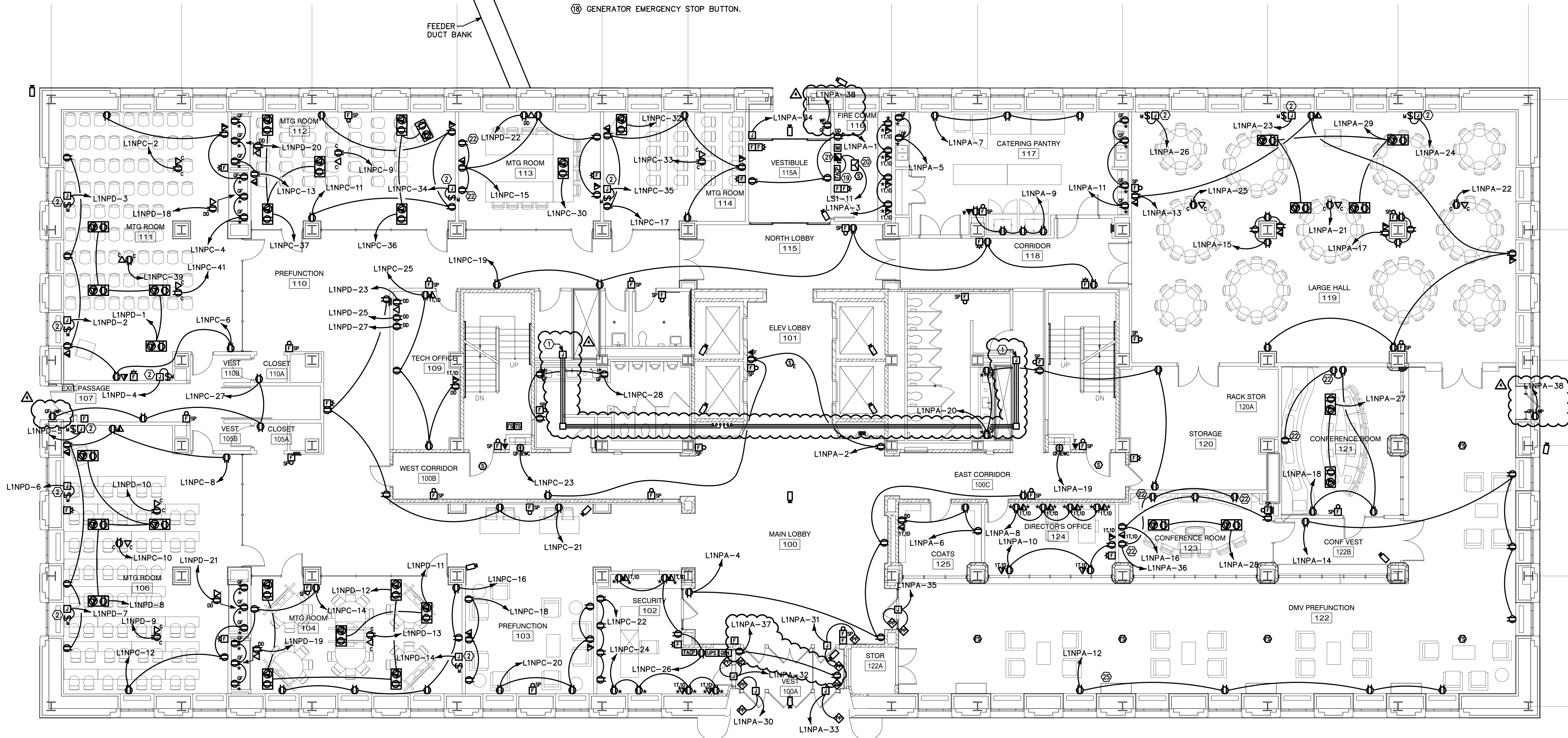
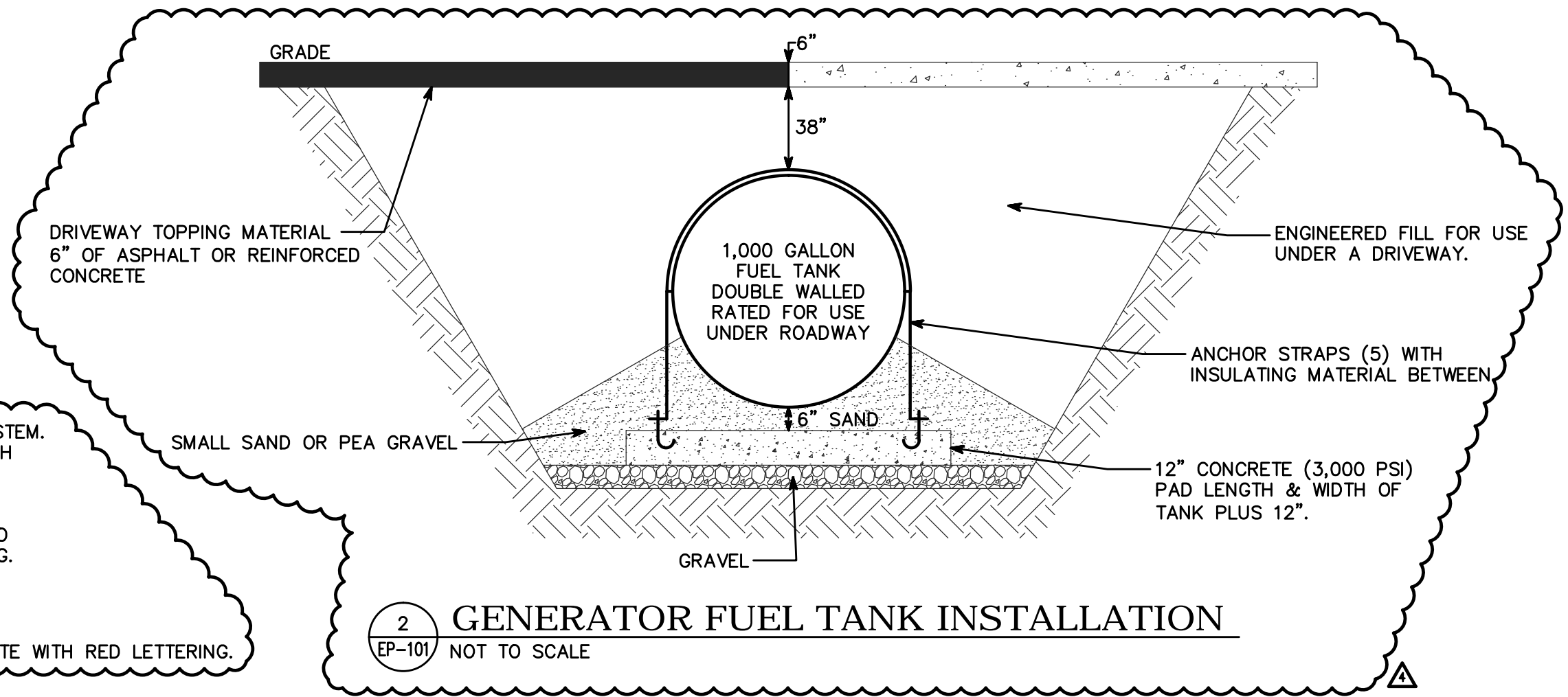
#### NUMBERED NOTES

- ① JUNCTION BOX TO ACT AS FEEDER ENTRANCE TO BUS DUCT ON FLOOR ABOVE
- ② PROVIDE POWER CONNECTION TO MOTORIZED PROJECTOR SCREEN.
- ③ 2000A, 3PH PRINGLE SWITCH. SER #1 & SER #2.
- ④ APPALACHIAN POWER COMPANY UTILITY SWITCHES.
- ⑤ APPALACHIAN POWER COMPANY METERING.
- ⑥ 1200A DOUBLE THROW TRANSFER SWITCH.
- ⑦ 1500KVA TRANSFORMER #1 & #2.
- ⑧ FIRE PUMP SWITCH.
- ⑨ APC METER.
- ⑩ 1/4 H.P. DAY TANK.
- ⑪ 3 KW 208V JACKET WATER HEATERS.
- ⑫ FUEL TANK MONITORING PANEL.
- ⑬ BATTERY CHARGER.
- ⑭ 200 KW LOAD BANK.
- ⑮ BATTERY.
- ⑯ 2" CONDUIT FOR BATTERY CABLE TO STARTER.
- ⑰ GENERATOR BREAKER.
- ⑱ GENERATOR EMERGENCY STOP BUTTON.

- ⑲ FIRE ALARM CONTROL PANEL.
- ⑳ 2KVA WALL MOUNTED TRANSFORMER.
- ㉑ 20A, 120V ENCLOSED CIRCUIT BREAKER.
- ㉒ DUPLEX RECEPTACLE FOR FLAT PANEL DISPLAY. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH-IN.
- ㉓ INTER SYSTEM GROUND BAR.
- ㉔ GROUNDING TRIPOD. SEE DWG E-501.
- ㉕ GRANITE WALL.
- ㉖ PROVIDE POWER TO DOCK LEVELING SYSTEM. PROVIDE 30A FUSED DISCONNECT SWITCH FUSED AT 20A.
- ㉗ IRRIGATION CONTROL UNIT. PROVIDE A DEDICATED PHONE LINE TO PANEL. ALSO PROVIDE A 1" C. TO EAST WALL BUILDING.

#### GENERAL NOTES

1. ALL FIRE ALARM DEVICES SHALL BE WHITE WITH RED LETTERING.



#### 1 FIRST FLOOR PLAN - POWER & SYSTEMS

EP-101 1/8" = 1'-0"

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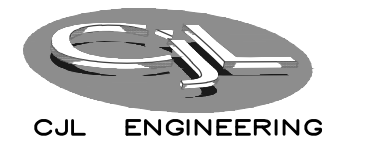
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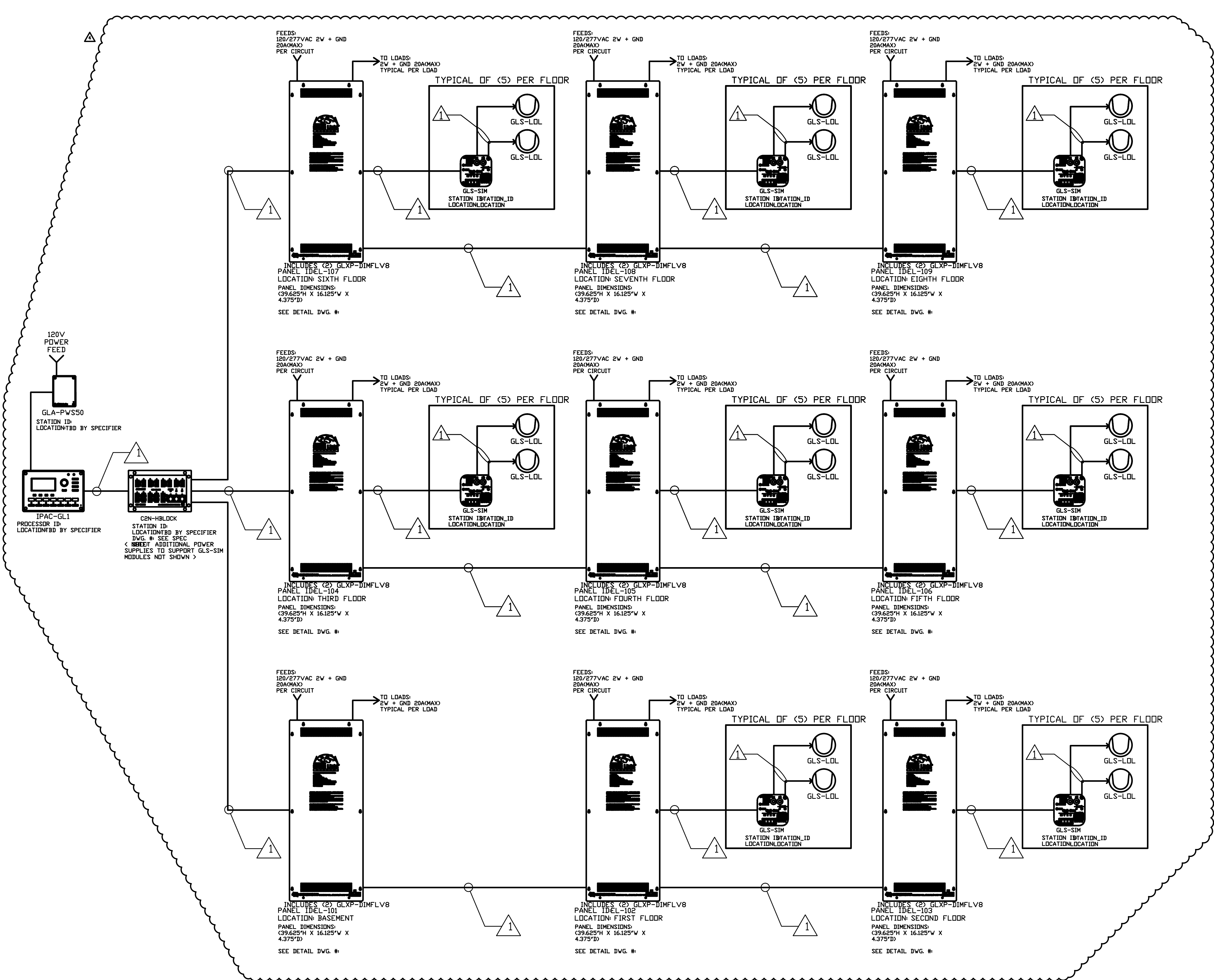
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1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
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FIRST FLOOR PLAN -  
POWER & SYSTEMS

EP-101





NOTES:

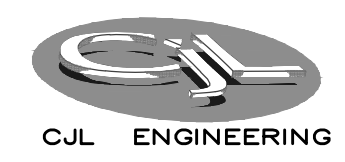
1 'CRESNET' CABLE:  
(1) PAIR #18AWG,  
(1) TWISTED PAIR 22AWG  
W/SHIELD (BY E.C.)  
NON-PLENUM PM CRESNET-NP-TL  
PLENUM PM CRESNET-P-TL

\*\*\*ALL PHYSICAL DEVICE LOCATIONS TO BE COORDINATED WITH ARCHITECT.

CRESNET WIRING RUNS SHOWN AS HOME RUN TO EACH DEVICE FOR OPTIMAL PERFORMANCE. DAISY CHAIN AND OR STAR TOPOLOGIES ARE PERMITTED TO SUIT INSTALLATION NEEDS. TOTAL END TO END WIRE LENGTH NOT TO EXCEED 500'.



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1 LIGHTING CONTROL SYSTEM WIRING DIAGRAM  
E-504 NOT TO SCALE

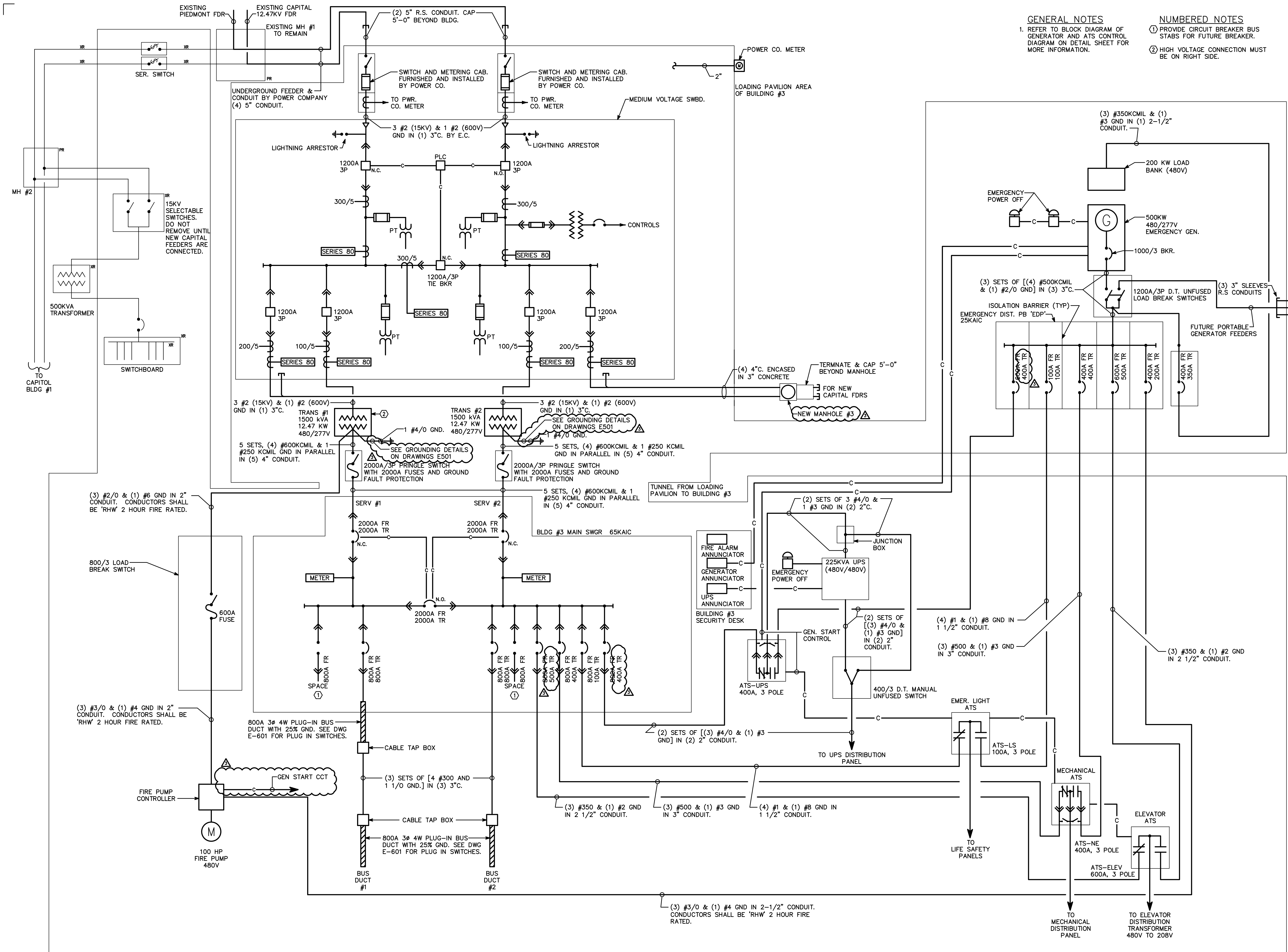
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OFFICE BUILDING NO.3  
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CHARLESTON, WEST VIRGINIA 25305

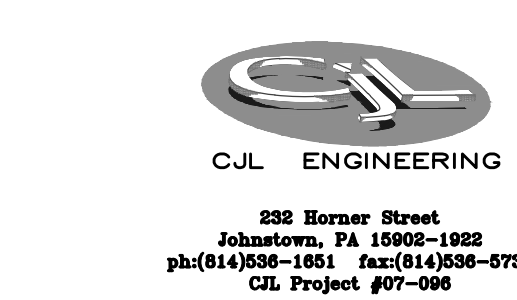
DETAILS V



- GENERAL NOTES**
1. REFER TO BLOCK DIAGRAM OF GENERATOR AND ATS CONTROL DIAGRAM ON DETAIL SHEET FOR MORE INFORMATION.
- NUMBERED NOTES**
- ① PROVIDE CIRCUIT BREAKER BUS STABS FOR FUTURE BREAKER.
  - ② HIGH VOLTAGE CONNECTION MUST BE ON RIGHT SIDE.



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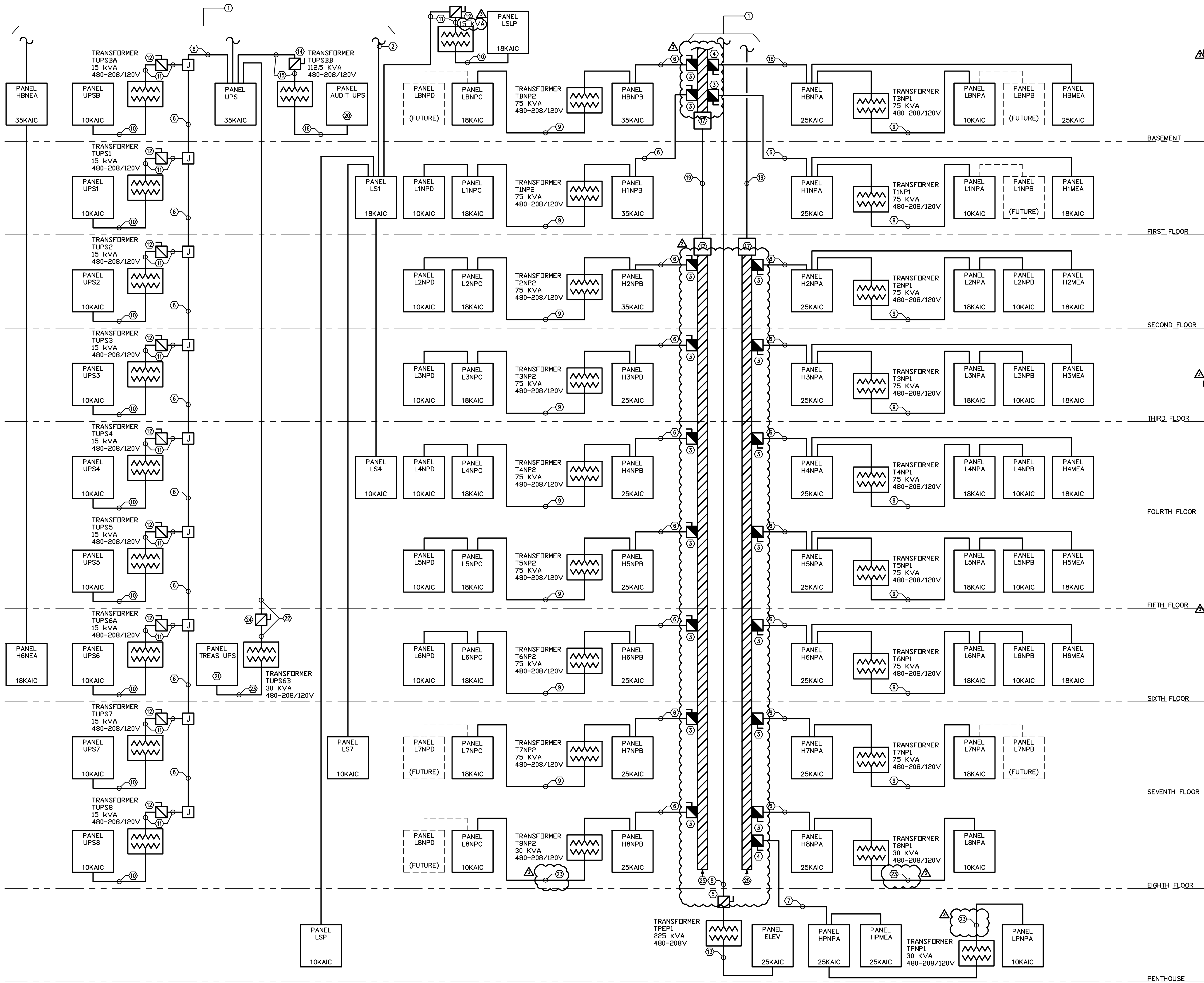
## WEST VIRGINIA STATE OFFICE BUILDING NO.3 RENOVATION

1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305

SINGLE LINE RISER DIAGRAM  
POWER DISTRIBUTION  
SYSTEM

# E-600

1 SINGLE LINE DIAGRAM POWER DISTRIBUTION SYSTEM  
E-600 NO SCALE



# NUMBERED NOTES:

- CONTINUED FROM DRAWING E-600
- TO EMERGENCY LIGHTING ATS.
- 225A BUS DUCT FEEDER BREAKER.
- 400A BUS DUCT FEEDER BREAKER.
- 600A FUSIBLE SAFETY SWITCH WITH 500A FUSES.
- (4) #4/0 AND (1) #4 GND IN (1) 2 1/2" CONDUIT.
- (4) #500 AND (1) #3 GND IN (1) 3" CONDUIT.
- (3) #350 AND (1) #2 GND IN (1) 2 1/2" CONDUIT.
- (4) #300 AND (1) #4 GND IN (1) 2 1/2" CONDUIT.
- (4) #6 AND (1) #10 GND IN (1) 1" CONDUIT.
- (3) #10 AND (1) #10 GND IN (1) 3/4" CONDUIT.
- 30A FUSIBLE SAFETY SWITCH WITH 30A FUSES.
- (2) SETS OF [(4) #600 AND (1) #1/0 GND] IN (2) 3 1/2" CONDUITS.
- 400A FUSIBLE SAFETY SWITCH WITH 250A FUSES.
- (3) #2/0 AND (1) #4 GND IN 2" CONDUIT.
- (2) SETS OF [(4) #3/0 AND (1) #3 GND] IN (2) 2" CONDUITS.
- CABLE TAP BOX.
- (4) #500 AND (1) #3 GND IN 3" CONDUIT.
- (3) SETS OF [(4) #300 AND (1) #1/0 GND] IN (3) 3" CONDUITS.
- PROVIDE 120/208V PANEL TO FEED AUDITOR'S DATA RACKS. PANEL SHALL BE 3PH, 4W, 400A 18KAIC PANEL. COORDINATE BRANCH BREAKERS WITH THE PANEL CURRENTLY SERVING THE AUDITOR'S UPS IN BUILDING #1 PRIOR TO PURCHASE. BID SHALL INCLUDE (1) 80A/3P, (2) 80A/2P, (1) 30A/2P, (1) 60A/2P, (1) 50A/2P, (28) 20A/1P.
- PROVIDE 120/208V PANEL TO FEED TREASURER'S DATA RACKS. PANEL SHALL BE 3PH, 4W, 100A 10KAIC PANEL. COORDINATE BRANCH BREAKERS WITH THE PANEL CURRENTLY SERVING THE TREASURER'S UPS IN BUILDING #1 PRIOR TO PURCHASE. BID SHALL INCLUDE (10) 30A/2P & (4) 20A/1P.
- (3) #6 AND (1) #10 GND IN (1) 3/4" CONDUIT.
- (4) #1 AND (1) #6 GND IN (1) 1 1/2" CONDUIT.
- 60A FUSIBLE SAFETY SWITCH WITH 60A FUSES.
- 800A 3Ø 4W BUS DUCT.

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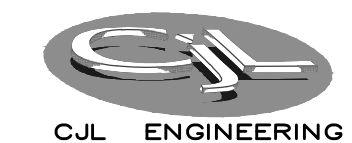
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OCTOBER 8, 2010

ADDENDUM #2

DECEMBER 8, 2010

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WEST VIRGINIA STATE  
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1900 KANAWHA BOULEVARD EAST  
BUILDING NO. 3, CAPITOL COMPLEX  
CHARLESTON, WEST VIRGINIA 25305

RISER DIAGRAM II

E-601



| LIGHTING FIXTURE SCHEDULE |                                                                                                                         |                                |                     |                                            |         |                  |                              |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------|--------------------------------------------|---------|------------------|------------------------------|
| TYPE                      | DESCRIPTION                                                                                                             | NUMBER OF LAMPS AND WATTAGE    | MANUFACTURER        | CATALOG NUMBER                             | VOLTAGE | TYPE OF MOUNTING | APPROVED EQUAL MANUFACTURERS |
| A                         | RECESSED 6'X4' TROFFER                                                                                                  | (1) 28 T5 SPX35                | PINNACLE            | ETA-1T5-4'-G9-UNV-1C-W                     | 277     | RECESSED         | FOCAL POINT ZUMTOBEL         |
| A1                        | PENDANT MOUNTED DIRECT/INDIRECT FIXTURE                                                                                 | (2) 28 T5 SPX35                | LEDALITE            | 7308-F02-I-G-4-(PER PLANS)-2-E-W           | 277     | PENDANT          | FOCAL POINT ZUMTOBEL         |
| A2                        | RECESSED 6'X4' TROFFER                                                                                                  | (1) 28 T5 SPX35                | PINNACLE            | ETA-1T5-4'-G9-UNV-1D-W                     | 277     | RECESSED         | FOCAL POINT ZUMTOBEL         |
| A3                        | RECESSED 4" LOW VOLTAGE DOWNLIGHT                                                                                       | (1) 50W MR16<br>USHIO 10,000HR | CAPRI               | P4LVR-EB1-P4LRW                            | 277     | RECESSED         | SPECTRUM HALO                |
| B                         | 2 X 2 TROFFER                                                                                                           | (4) 35W T5 SPX35               | LINEAR LIGHTING     | QB22-D-4-ET5-277-PRD-G-BW-NO-2             | 277     | RECESSED         | FOCAL POINT PMC              |
| C                         | COMPACT FLUORESCENT LENSED DOWNLIGHT                                                                                    | (2) 26W TT                     | OMEGA               | OM6 2H26PLT SRD SPL CL 120/277             | 277     | RECESSED         | SPECTRUM PORTFOLIO           |
| D                         | RECESSED WALL SLOT (4' FIXTURE)                                                                                         | (3) 28 T5 SPX35                | LITECONTROL         | 20-1-4-T5-CWM-LP/ELB-277                   | 277     | RECESSED         | PRUDENTIAL NEORAY            |
| D1                        | RECESSED WALL SLOT (3' FIXTURE)                                                                                         | (3) 28 T5 SPX35                | LITECONTROL         | 20-1-3-T5-CWM-LP/ELB-277                   | 277     | RECESSED         | PRUDENTIAL NEORAY            |
| F                         | 4' INDUSTRIAL WITH WIRE GUARD                                                                                           | (2) 28 T5 SPX35                | DAY-BRITE           | 1F-228-PP-UNV-1/2EB10R-FL173               | 277     | CHAIN            | LITHONIA METALUX             |
| G                         | 2'X4' LENSED TROFFER                                                                                                    | (2) 28 T5 SPX35                | DAY-BRITE           | 2STG228D-UNV-1/2-EB115                     | 277     | RECESSED         | FINELITE METALUX             |
| J                         | COMPACT FLUOR. WALL SCONCE                                                                                              | (2) CF18W                      | DAY-BRITE           | AVSQ2CF18-PMW-UNV-EB                       | 277     | WALL             | LIGHTWAY SHAPER              |
| L                         | SOFTLITE W/ PHASE CONTROL DIM                                                                                           | (2) 55W BIAx                   | VIDESSENCE          | S110-255BX-TB-D/PM-277                     | 277     | RECESSED         |                              |
| M                         | SOFTWASH W/ PHASE CONTROL DIM                                                                                           | (1) 55W BIAx                   | VIDESSENCE          | SW055-155BX-TB-D/PM-277                    | 277     | RECESSED         |                              |
| P                         | GLASS SHADE MONOPOINT                                                                                                   | (1) 50W MR16<br>USHIO 10,000HR | SOLIS               | TX141LV-BL-GYC-50-M-A                      | 277     | PENDANT          | NORA PRIMA                   |
| S                         | 8'X4' WALL MOUNTED STAIRWELL FIXTURE                                                                                    | (2) 28 T5 SPX35                | KENALL              | MLHA8-48-R-MW-CP-28-RS-1-DV                | 277     | SURFACE          | LUMINAIRE FAILSAFE           |
| S1                        | 1'X4' CEILING MOUNTED STAIRWELL FIXTURE                                                                                 | (2) 28 T5 SPX35                | KENALL              | MLHA12-48-R-MW-CP-28-RS-1-DV               | 277     | SURFACE          | LUMINAIRE FAILSAFE           |
| SL                        | ACORN-STYLE FULL-CUTOFF 4500K LED SITE LIGHTING FIXTURE WITH TYPE V DIST. AND 12' POLE. COLOR/FINISH TO MATCH EXISTING. | 96W LED                        | STERNBERG LIGHTING  | A850SRLED-5P-ML-6ARC45T5-XX POLE: 93-12-TO | 277     | POLE             | SPRING CITY AMERLUX          |
| T                         | LENSED SHOWER DOWNLIGHT                                                                                                 | (1) 26W TT                     | OMEGA               | S8-1H26-32-42PLT-D-T6SRD-1H SHWR-CP        | 277     | RECESSED         | SPECTRUM PORTFOLIO           |
| W                         | WALL MOUNTED BATHROOM SCONCE                                                                                            | (2) 28 T5 SPX35                | DAY-BRITE           | AVS228-PMWV-UNV-1/2-EB10R                  | 277     | WALL             | PRUDENTIAL EQUIPSE           |
| V                         | COVE FIXTURE                                                                                                            | (1) 28W T5HO                   | ELLIPTIPAR          | F305-T128-S-00-2-00-0                      | 277     | SURFACE          |                              |
| X                         | 15"X15" ART DECO SQUARE DOWNLIGHT                                                                                       | (2) 26W G24Q-3                 | SCOTT ARCHITECTURAL | S7045-2C26E-BB-DIM                         | 277     | RECESSED         | SPECTRUM OMEGA               |
| X2                        | 20"X20" ART DECO SQUARE DOWNLIGHT                                                                                       | (4) 26W G24Q-3                 | SCOTT ARCHITECTURAL | S7046-4C26E-BB-DIM                         | 277     | RECESSED         | SPECTRUM OMEGA               |
| Y                         | LED ROPE LIGHT                                                                                                          | LED                            | TIVOLI              | CLL-SF-2.0-WW-12                           | 12V     | COVE             | TOKISTAR LEDALUX             |
| Z                         | 6" SQUARE DOWNLIGHT                                                                                                     | (2) 32W TT                     | OMEGA               | OM6 2 H 32PLT SQ CSS SL DL2 277            | 277     | RECESSED         | SPECTRUM OMEGA               |
| EP                        | ELEVATOR PIT LIGHT                                                                                                      | (1) 26W TT                     | CANLET              | GFWF26N27DPPC                              | 277     | WALL             | PHOENIX TRACELITE            |
| E                         | LED EXIT SIGN                                                                                                           | LED                            | MCPHILBEN           | 55L-1-R                                    | 277     | UNIVERSAL        | LITHONIA SURELITES           |

MOUNTING HEIGHT INFORMATION:  
FIXTURE TYPE A1: 12'-5" A.F.F. ON THE FIRST FLOOR, 7'-4" A.F.F. ON FLOORS 2-5, AND 7'-1" A.F.F. ON FLOORS 6-8  
FIXTURE TYPE P: BOTTOM OF THE FIXTURE SHALL BE MOUNTED AT 6'-0" A.F.F.  
EMERGENCY CIRCUITS:  
ALL EMERGENCY FIXTURES SHALL BE PROVIDED WITH A BODINE GENERATOR TRANSFER DEVICE. EMERGENCY CIRCUIT SHALL BE AS SHOWN ON THE PLANS. NORMAL CIRCUIT SHALL BE THE SAME DIMMABLE LIGHTING CIRCUIT FEEDING THE OTHER FIXTURES IN THE ROOM.  
PROVIDE A UNIT PRICE FOR FIXTURE TYPES A2 & A3.

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FIXTURE SCHEDULE

E-700