9.0 - DESIGN LOADS: 9.01 GENERAL DESIGN REQUIREMENTS (IBC 2018, SECTION 1604) (A) RISK CATEGORY IV (ASCE 7-16, TABLE 1.5-1) (B) MUNICIPALITY_ VILLAGE OF ARDSLEY, NY 9.02 DESIGN LOADS TO BE VERIFIED BY PRE-ENGINEERED METAL BUILDING DESIGNER. 9.03 FLOOR DESIGN LOADING CRITERIA LOADS (IBC 2018, SECTION 1607) LIVE LOADS **SUPERIMPOSED** OCCUPANCY / USE DEAD LOAD ^a UNIFORM CONCENTRATED OFFICE + PARTITIONS 2000 lbs 20 psf LOBBIES, 1st FLOOR CORRIDORS, CONFERENCE 2000 lbs 20 psf 100 psf SLABS-ON-GRADE IN VEHICLE STORAGE, 250 psf OR **WEIGHT OF** VEHICLE MAINTENANCE, AND SHOPS HS-20 ^g **EQUIPMENT ROOF** 16 psf b 20 psf c MEZZANINE 20 psf 250 psf 3000 lbs MECHANICAL ROOMS 20 psf 150 psf STAIRS AND EXITS 5 psf 100 psf 300 lbs ^d MAINTENANCE CATWALKS 300 lbs ^d 5 psf 40 psf HANDRAIL AND GUARDRAIL SYSTEMS 50 lb/ft e 200 lbs f

(a) SUPERIMPOSED DEAD LOADS ARE APPLIED IN ADDITION TO FRAMING AND SLAB SELF-WEIGHTS.

(c) ROOF LIVE LOAD. ALSO REFER TO SNOW LOAD REQUIREMENTS IN 9.04.

CONCENTRATED LOADS ARE NOT APPLIED CONCURRENTLY.

(G) * ADJUST FOR SNOW DRIFT AND UNBALANCED SNOW LOADING

(A) BASIC WIND SPEED, V (3-SECOND GUST WIND SPEED)

(a) WIND DIRECTIONALITY FACTOR, Kd

(e) GROUND ELEVATION FACTOR, Ke

(c) VELOCITY PRESSURE COEFFICIENT, Kz

(d) INTERNAL PRESSURE COEFFICIENT, GCpi

COMPONENTS AND CLADDING WIND PRESSURE LOADS ON BUILDING

ROOF LOADS (psf)

ZONE 2

ZONE 2e -

ZONE 2r

ZONE 4

ZONE 3

POS | NEG | POS | NEG | POS | NEG | POS | NEG | POS | NEG

17.09 | -66.8 | 17.09 | -88.13 | 17.09 | -120.1 | N/A | N/A | N/A | N/A

14.6 | -56.55 | 14.6 | -75.0 | 14.6 | -93.8 | N/A | N/A | N/A | N/A

| 13.51 | -52.1 | 13.51 | -69.2 | 13.51 | -82.5 | N/A | N/A | N/A | N/A

| 13.51 | -52.1 | 13.51 | -69.2 | 13.51 | -82.5 | N/A | N/A | N/A | N/A

ZONE 2n -

ZONE 3e-

(A) POS - INDICATES POSITIVE PRESSURE (INWARD OR TOWARD THE SURFACES) (B) NEG - INDICATES NEGATIVE PRESSURE (OUTWARD OR AWAY FROM SURFACES)

(b) TOPOGRAPHIC FACTOR, Kzt

(b) PRE-ENGINEERED METAL BUILDING COLLATERAL LOAD AND 8PSF ALLOWANCE FOR FUTURE SOLAR PANEL SYSTEM.

(e) APPLIED IN ANY DIRECTION ALONG THE HANDRAIL OR TOP RAIL TO PRODUCE THE MAXIMUM EFFECTS. UNIFORM AND

(f) APPLIED NORMAL TO THE SURFACE ON AN AREA NOT TO EXCEED 12"x12" (NOT CONCURRENT WITH TOP RAIL LOADS).

(d) NOT CONCURRENT WITH THE UNIFORM LOAD. THE CONCENTRATED LOAD ON STAIR TREADS SHALL BE APPLIED ON AN AREA

50 lb/ft e

WALL LOADS (psf)

−ZONE 3r

EQUIVALENT LATERAL FORCE ANALYSIS (ASCE 7-16, SEC. 12.8)

ZONE 4

_(IBC 2018, SECTION 1608)

30 PSF (ASCE 7-16, FIGURE 7.2-1)

27.72 PSF* (ASCE7-16, SEC. 7.3)

1.1 (ASCE 7-16, TABLE 7.3-1)

1.0 (ASCE 7-16, FIGURE 7.4-1)

1.0 (ASCE 7-16, TABLE 7.3-2) 1.2 (ASCE 7-16, TABLE 1.5-2)

(IBC 2018, SECTION 1609)

ENCLOSED (ASCE 7-16, SEC. 26.2)

_C (ASCE 7-16, SEC. 26.7)

(ASCE 7-16, SEE TABLE)

1.0 (ASCE 7-16, SECTION 26.8)

+/-0.18 (ASCE 7-16, TABLE 26.13-1)

_1.0 (ASCE 7-16, TABLE 26.9-1)

0.94 (ASCE 7-16, TABLE 26.10-1)

_0.85 (ASCE 7-16, TABLE 26.6-1)

LOW RISE BUILDINGS (ASCE 7-16)

INTERMEDIATE RAILS & PANEL FILLERS

OF 2 INCHES BY 2 INCHES.

(A) GROUND SNOW LOAD, Pg

(F) ROOF SLOPE FACTOR, Cs

(C) WIND EXPOSURE CATEGORY

(D) DESIGN BUILDING DIMENSIONS

(E) COMPONENTS AND CLADDING

(1) ANALYSIS PROCEDURE

EFFECTIVE

WIND AREA

(D) THERMAL FACTOR, Ct

9.04 ROOF SNOW LOAD

9.05 WIND LOADS _

(g) VEHICLE LOADING PER IBC 2015 1607.7.

(B) MINIMUM FLAT ROOF SNOW LOAD, Pf

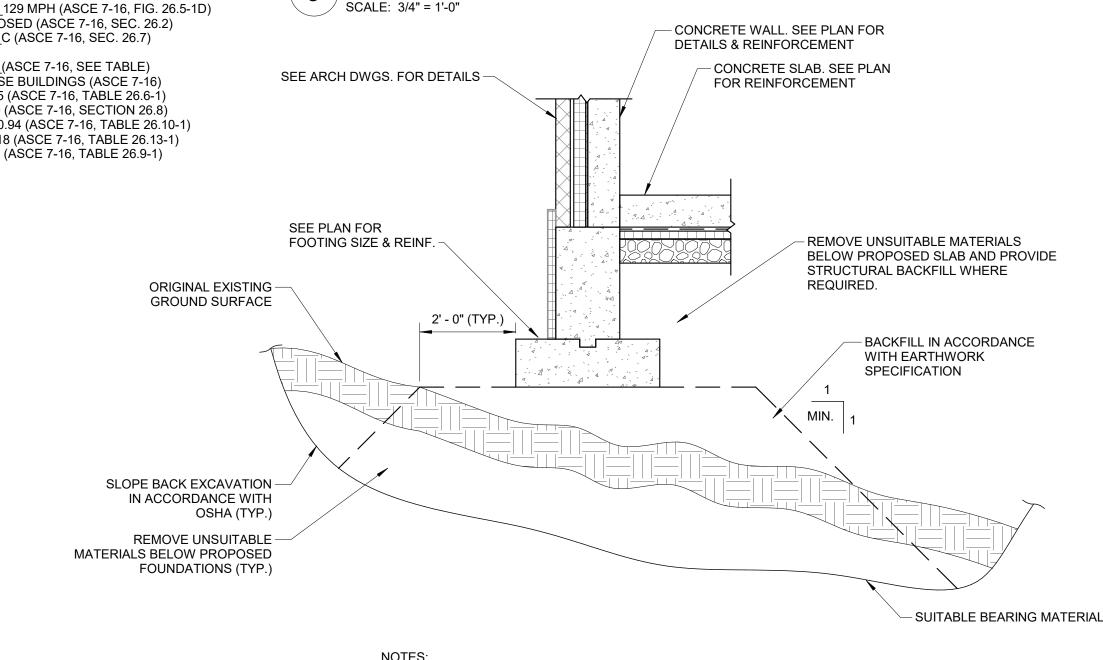
(E) SNOW LOAD IMPORTANCE FACTOR,

(B) BUILDING ENCLOSURE CLASSIFICATION

(C) SNOW EXPOSURE FACTOR, Ce

- SLAB ON GRADE 6" MIN. CRUSHED STONE AROUND PIPE FILL MATERIAL THRU WALL

1. PIPE SHALL NOT PASS UNDER OR THRU WALL FOOTING. LOWER FOOTING BY STEPPING TO AVOID INTERFERENCE.



SLOPE BACK EXCAVATION -IN ACCORDANCE WITH OSHA (TYP.) REMOVE UNSUITABLE MATERIALS BELOW PROPOSED **FOUNDATIONS (TYP.)** NOTES:

1. REFER TO EARTHWORK SPECIFICATION FOR DESCRIPTION OF UNSUITABLE MATERIALS AND SUITABLE BEARING MATERIAL. AS OCCURS, SEE PLANS TYPICAL REMOVAL OF UNSUITABLE MATERIALS

ZONE 5 9.06 EARTHQUAKE LOADS (IBC 2018, SECTION 1613) (A) SITE CLASS _C (GEOTECH REPORT) (B) SPECTRAL RESPONSE ACCELERATIONS 0.295 (ASCE 7-16, SEC. 11.4.2) (1) Ss 0.061 (ASCE 7-16, SEC. 11.4.2) (C) SPECTRAL RESPONSE COEFFICIENTS 0.256 (ASCE 7-16, SEC. 11.4.5) (1) Sds _ (2) Sd1 0.061 (ASCE 7-16, SEC. 11.4.5) (D) SEISMIC DESIGN CATEGORY C (ASCE 7-16, SEC 11.6) (E) SEISMIC IMPORTANCE FACTOR, le 1.5 (ASCE 7-16, TABLE 1.5-2) (F) SEISMIC FORCE RESISTING SYSTEM: (1) STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE

ZONE 4

(a) RESPONSE MODIFICATION COEFFICIENT, R _ 3

(b) SYSTEM OVERSTRENGTH PARAMETER,Ωo 3 (c) DEFLECTION AMPLIFICATION FACTOR, Cd 3

LOADING NOTES SCALE: 1/2" = 1'-0"

10.0 - BUILDING DEFLECTION LIMITS

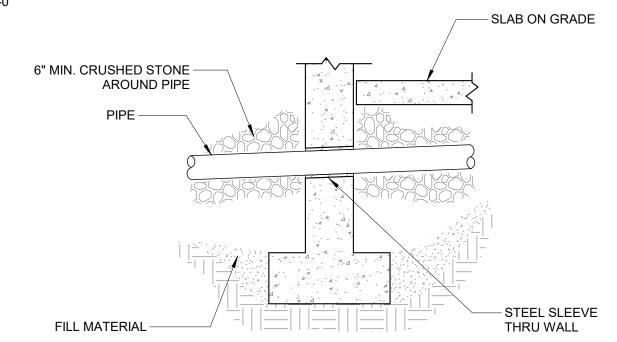
| BUILDING DEFLECTION LIMI | TS | | |
|--|--------------------------------|--------------------------------|-------------------------|
| CONSTRUCTION | LIVE | SNOW OR WIND (c) | DEAD+LIVE |
| ROOF MEMBER (d) SUPPORTING PLASTER CEILING SUPPORTING NON PLASTER CEILING | (a) 1/360 1/240 1/180 | (a) 1/360 1/240 1/180 | 1/360 1/240 1/180 |
| FLOOR MEMBERS | (b) 1/360 | - | 1/240 |
| EXTERIOR WALLS AND INTERIOR PARTITIONS WITH MASONRY VENEER ALL OTHER CASES | - | 1/600 1/240 | - |

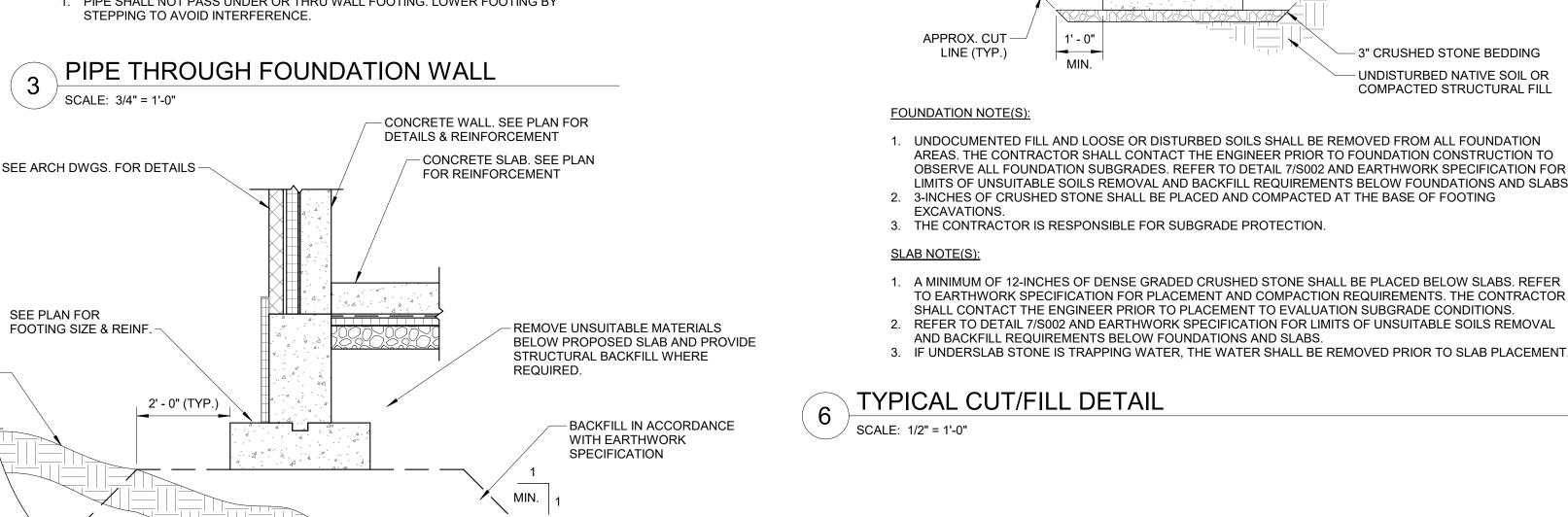
(A) TOTAL ROOF SNOW LOAD DEFLECTION SHALL NOT EXCEED 1 1/4".

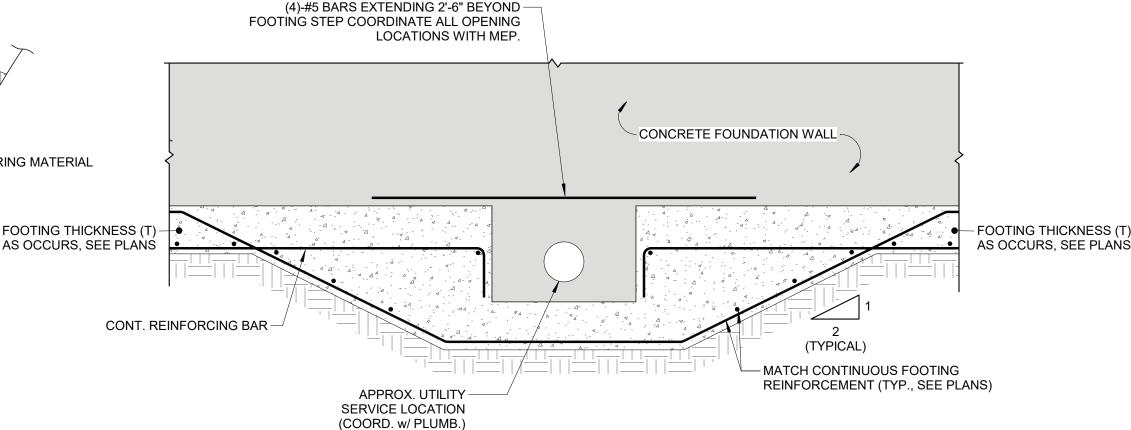
(B) TOTAL FLOOR LIVE LOAD DEFLECTION SHALL NOT EXCEED 1". (C) WIND DEFLECTIONS MAY BE BASED ON A 10-YEAR WIND.

(D) DEFLECTIONS OF MEMBERS SUPPORTING CRANES SHALL MEET DEFLECTION CRITERIA REQUIRED BY THE CRANE MANUFACTURER OR AS SPECIFIED IN THE ABOVE, WHICHEVER IS

BUILDING DEFLECTION LIMITS



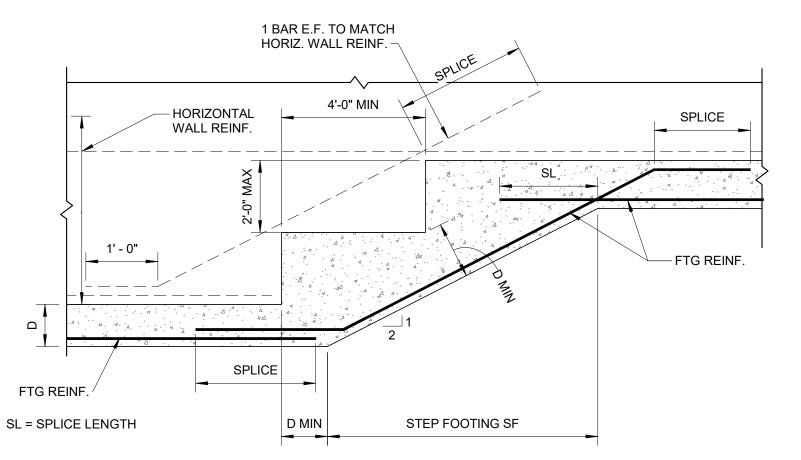




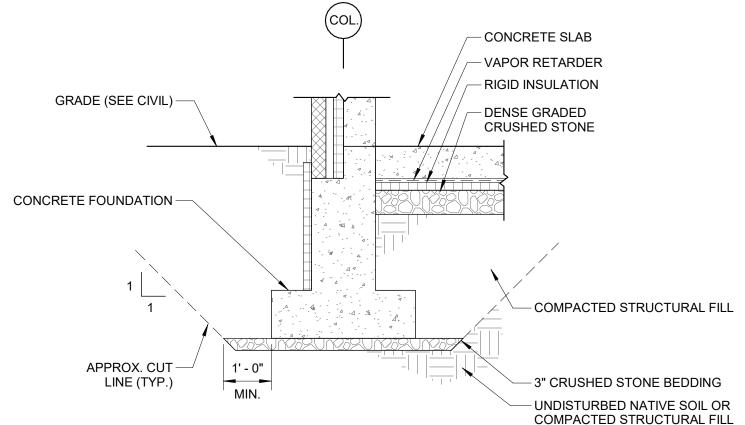
NOTE(S):

THESE DRAWINGS. REQUIREMENTS MAY INCLUDE BUT ARE NOT LIMITED TO: PERIMETER DRAINS, INSULATION, WEEP HOLES, & SITE





STEP FOOTING DETAIL SCALE: 3/4" = 1'-0"



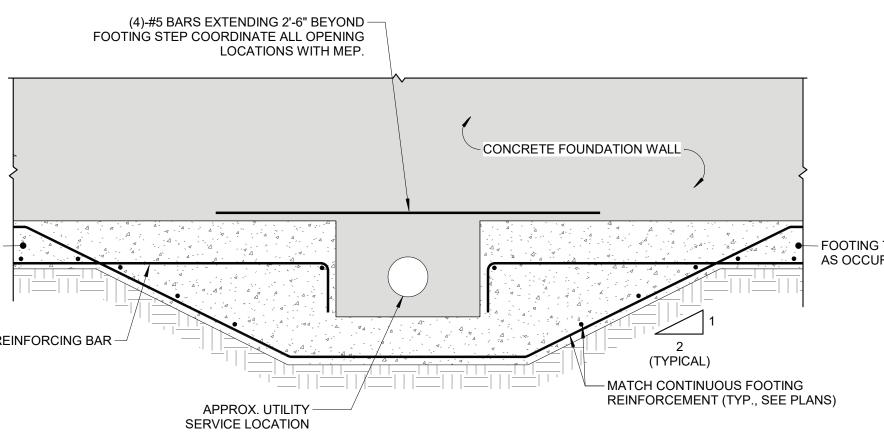
FOUNDATION NOTE(S):

1. UNDOCUMENTED FILL AND LOOSE OR DISTURBED SOILS SHALL BE REMOVED FROM ALL FOUNDATION AREAS. THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO FOUNDATION CONSTRUCTION TO OBSERVE ALL FOUNDATION SUBGRADES. REFER TO DETAIL 7/S002 AND EARTHWORK SPECIFICATION FOR LIMITS OF UNSUITABLE SOILS REMOVAL AND BACKFILL REQUIREMENTS BELOW FOUNDATIONS AND SLABS. 2. 3-INCHES OF CRUSHED STONE SHALL BE PLACED AND COMPACTED AT THE BASE OF FOOTING

3. THE CONTRACTOR IS RESPONSIBLE FOR SUBGRADE PROTECTION.

- 1. A MINIMUM OF 12-INCHES OF DENSE GRADED CRUSHED STONE SHALL BE PLACED BELOW SLABS. REFER TO EARTHWORK SPECIFICATION FOR PLACEMENT AND COMPACTION REQUIREMENTS. THE CONTRACTOR
- SHALL CONTACT THE ENGINEER PRIOR TO PLACEMENT TO EVALUATION SUBGRADE CONDITIONS. 2. REFER TO DETAIL 7/S002 AND EARTHWORK SPECIFICATION FOR LIMITS OF UNSUITABLE SOILS REMOVAL AND BACKFILL REQUIREMENTS BELOW FOUNDATIONS AND SLABS

TYPICAL CUT/FILL DETAIL



1. REFER TO ARCH./CIVIL/GEOTECHNICAL DETAILS FOR ADDITIONAL UNDER SLAB & FOUNDATION REQUIREMENTS NOT SHOWN ON PREPARATION. REPORT ANY DISCREPANCIES BETWEEN DISCIPLINES TO A/E FOR CLARIFICATION PRIOR TO PROCEEDING WITH WORK.



FOR BIDDING NOT FOR CONSTRUCTION ARDSLEY DEPARTMENT OF VILLAGE OF ARDSLEY, NY

WESTON & SAMPSON, PE, LS, LA, PC

220 HEATHERDELL ROAD

VILLAGE OF ARDSLEY,

NEW YORK 10502

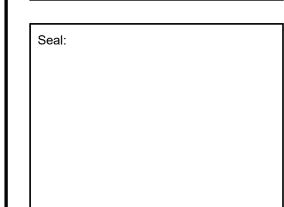
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Revisions: Rev Date Description 2 4/28/22 ADDENDUM NO. 2 ssued For: BID

PROJECT TRUE

SCALE: AS NOTED

APRIL 7, 2022 BUD/SAC Drawn By: Reviewed By:

Approved By: JFB W&S Project No: ENG20-0501

Drawing Title:

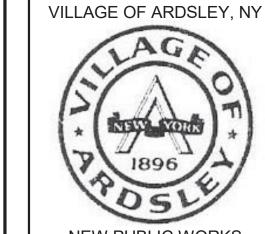
GENERAL NOTES & TYPICAL **DETAILS**

Sheet Number:

- A. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE (2)#12, (1)#12G, 3/4"C. TO PANEL LP1, UNLESS OTHERWISE NOTED.
- B. REFER TO ONE-LINE DIAGRAM, SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

E102 DRAWING NOTES:

- 1. RECEPTACLE AND DATA DROP ARE FOR WALL MOUNTED TV. CONTRACTOR TO COORDINATE MOUNTING HEIGHTS IN FIELD PRIOR TO ROUGH-IN.
- 2. SMOKE DETECTORS ARE PART OF ADD ALTERNATE 1. SHOULD ADD ALTERNATE 1 BE ACCEPTED PROVIDE SMOKE DETECTORS MOUNTED TO UNDERSIDE OF MEZZANINE 2A.
- 3. E3POINT SENSOR PROVIDED BY OTHERS. PROVIDE (2)#12, (1)#12G, 3/4"C. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.



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Revisions:

Rev Date Description 1 04/22/22 ADDENDUM NO. 1

Issued For:

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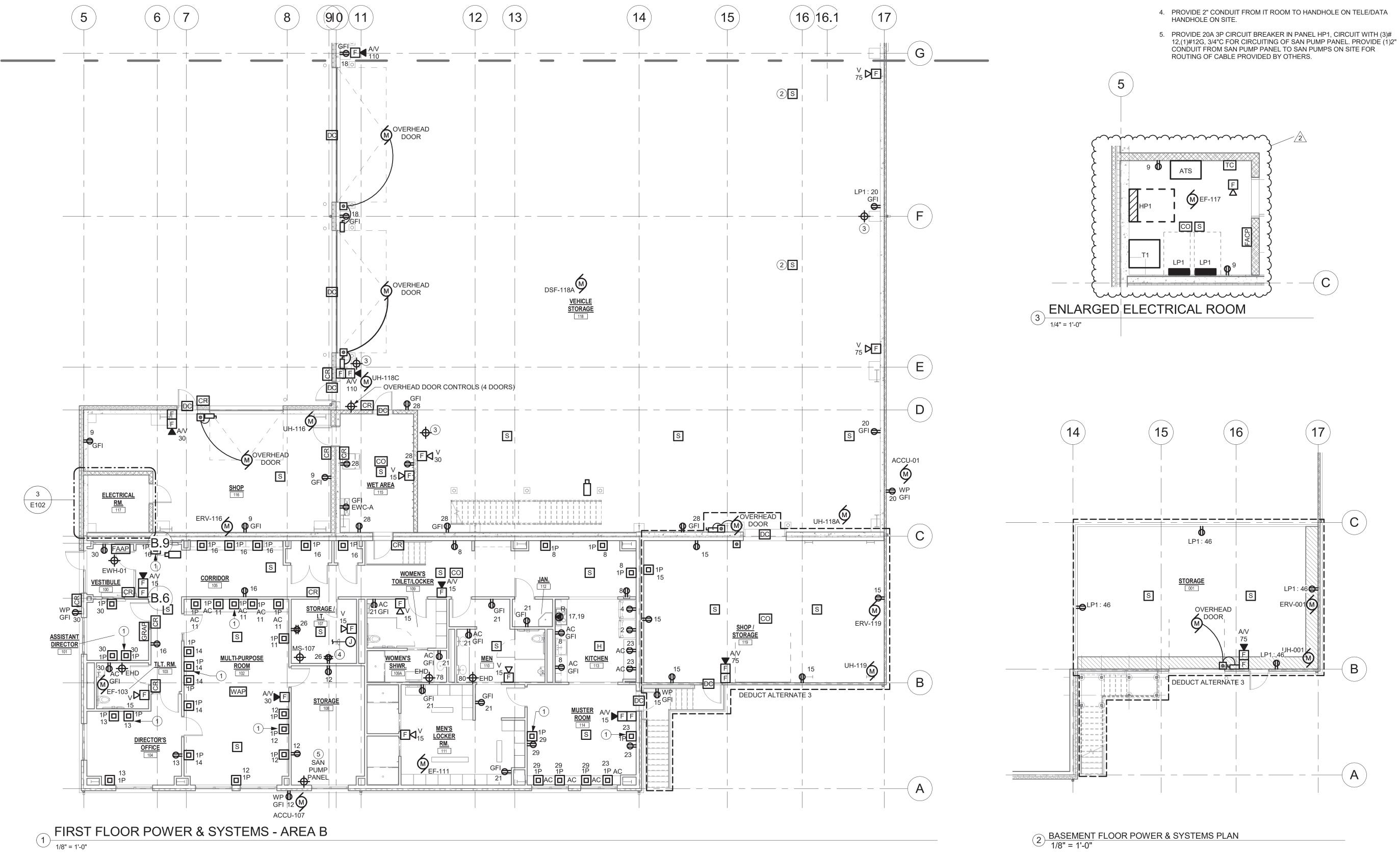
Approved By: BAB

W&S Project No: N2190088

Drawing Title:

FIRST FLOOR AREA B AND **BASEMENT** POWER & SYSTEMS PLAN

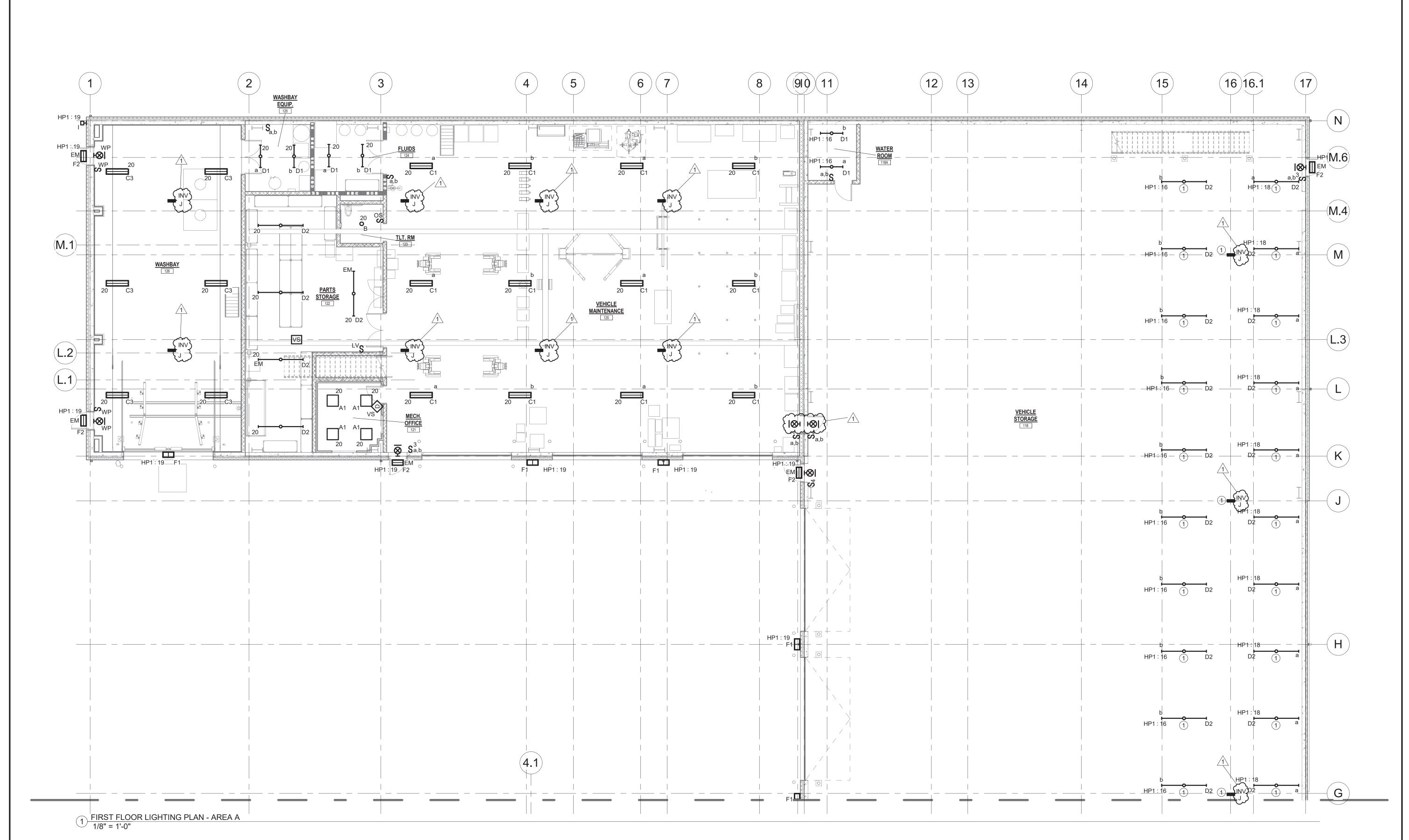
Sheet Number:



- A. UNLESS OTHERWISE NOTED, CIRCUIT ALL LUMINAIRES AND DEVICES USING (2)# 12,(1)#12G, 3/4"C TO PANEL HP2 UNLESS OTHERWISE NOTED.
- B. COORDINATE MOUNTING OF ALL CEILING MOUNTED LUMINAIRES WITH OTHER TRADES PRIOR TO INSTALLATION.
- C. ALL EXIT SIGNS SHALL BE POWERED FROM THE LOCAL LIGHTING CIRCUIT, TAPPED UPSTREAM OF ANY CONTROL DEVICES.
- D. ALL EXTERIOR LIGHT FIXTURES SHAL BE ON THE SAME CIRCUIT AND CONTROLLED BY THE TIME CLOCK LOCATED IN ELEC. ROOM 117.

E201 DRAWING NOTES

1 LIGHT FIXTURE IS PART OF MEZZANINE 2A ALTERNATE 1, FOR BASE BID LIGHTING LAYOUT SEE DRAWINGS E203 & E204. BASE BID PROVIDE CIRCUITING AS SHOWN TO A JUNCTION BOX FOR UNDER MEZZANINE LIGHTING.



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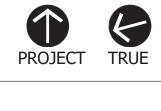
RHINEBECK ARCHITECTURE

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Date: APRIL 7, 2022

Drawn By: KML

Reviewed By: SZE

Approved By: BAB

W&S Project No: N2190088

Drawing Title:

FIRST FLOOR AREA A LIGHTING PLAN

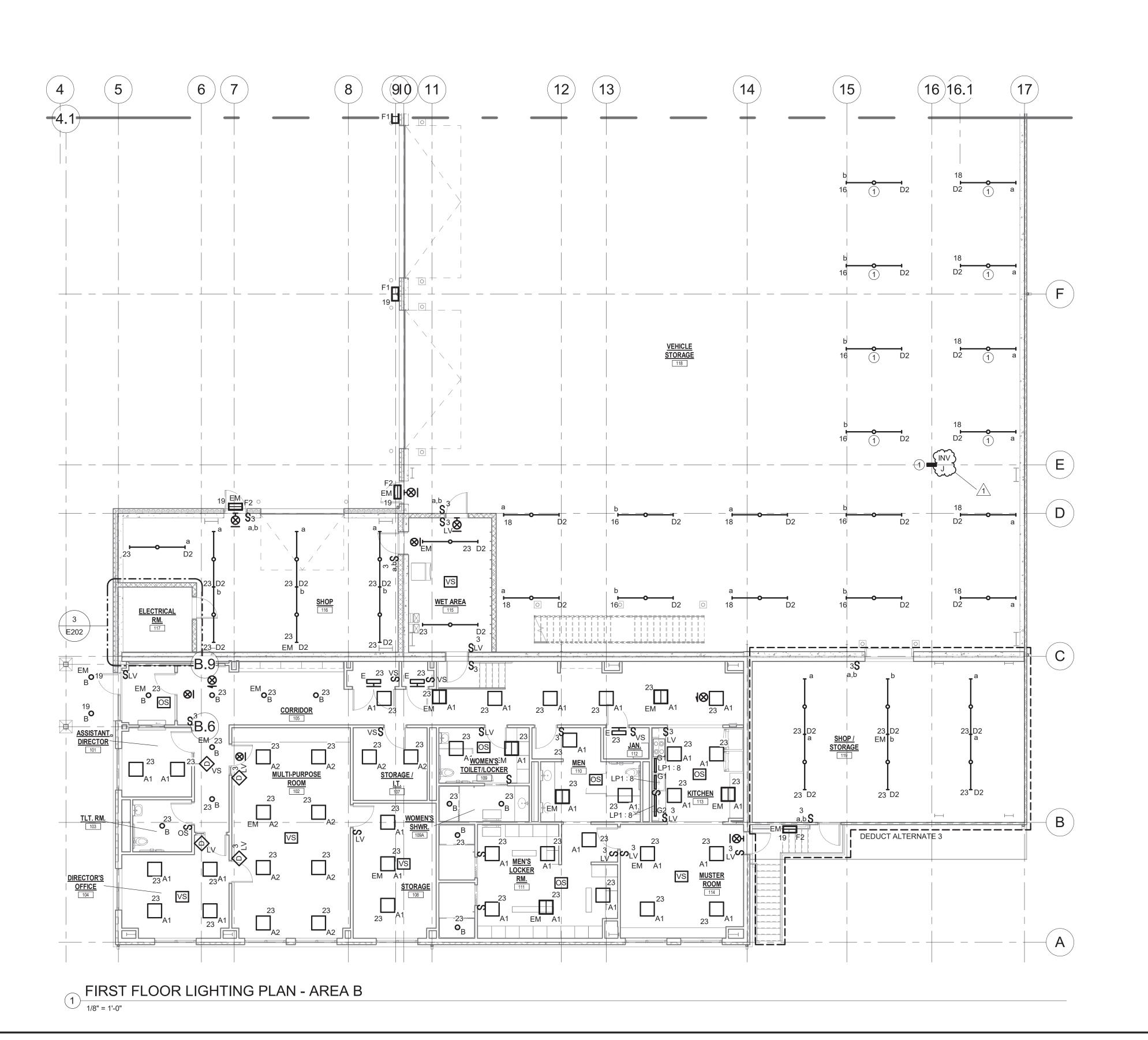
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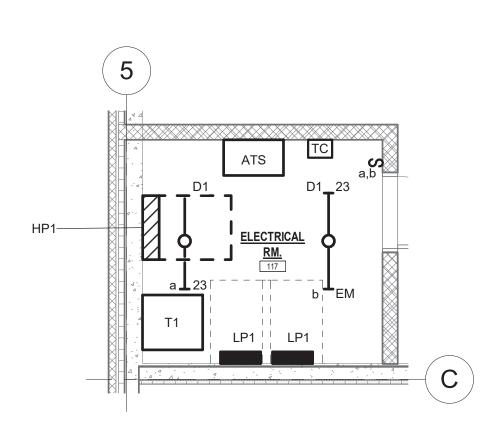
E201

- A. UNLESS OTHERWISE NOTED, CIRCUIT ALL LUMINARIES AND DEVICES USING (2)# 12,(1)#12G, 3/4"C TO PANEL HP1, UNLESS OTHERWISE NOTED.
- B. COORDINATE MOUNTING OF ALL CEILING MOUNTED LUMINARIES WITH OTHER TRADES PRIOR TO INSTALLATION.
- C. ALL EXIT SIGNS SHALL BE POWERED FROM THE LOCAL LIGHTING CIRCUIT, TAPPED UPSTREAM OF ANY CONTROL DEVICES.
- D. ALL EXTERIOR LIGHT FIXTURES SHALL BE ON THE SAME CIRCUIT AND CONTROLLED BY THE TIME CLOCK LOCATED IN ELEC. ROOM 117

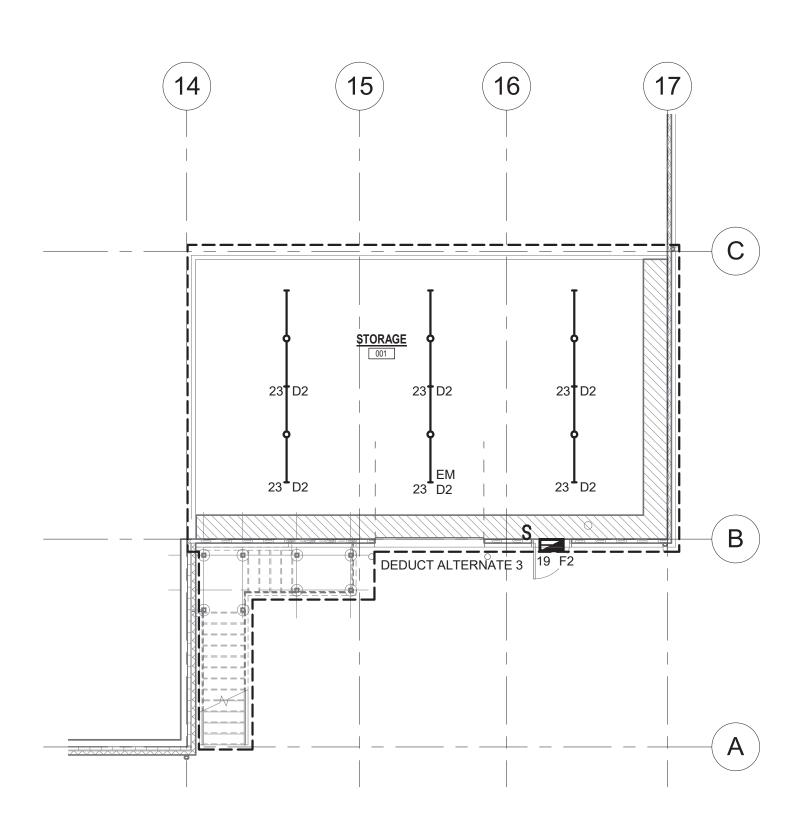
E202 DRAWING NOTES

1 LIGHT FIXTURE IS PART OF MEZZANINE ALTERNATE 1, FOR BASE BID LIGHTING LAYOUT SEE DRAWINGS E203 & E204. BASE BID PROVIDE CIRCUITING AS SHOWN TO A JUNCTION BOX FOR UNDER MEZZANINE LIGHTING.





3 ENLARGED ELECTRIC ROOM LIGHTING PLAN 1/4" = 1'-0"



2 BASEMENT FLOOR LIGHTING PLAN
1/8" = 1'-0"

Project

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ARCHITECTURE

Seal:

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wn By: KML

Reviewed By: SZ

Approved By: BAB

W&S Project No: N2190088

Drawing Title:

FIRST FLOOR AREA B AND BASEMENT LIGHTING PLAN

Sheet Number:

E202

12) (16)16.1 1)¬ -(M.4)C2 18 C1 16 C1 K 21 C2 18 C 16 C1 18 C1 C2 H c 21 C2 16 C1 21 C 18 18 C1 MEZZANINE LIGHTING PLAN - MEZZANNINE 2A 1/8" = 1'-0"

GENERAL NOTES:

- A. UNLESS OTHERWISE NOTED, CIRCUIT ALL LUMINARIES AND DEVICES USING (2)# 12,(1)#12G, 3/4"C TO PANEL HP1, UNLESS OTHERWISE NOTED.
- B. COORDINATE MOUNTING OF ALL CEILING MOUNTED LUMINARIES WITH OTHER TRADES PRIOR TO INSTALLATION.
- C. ALL EXIT SIGNS SHALL BE POWERED FROM THE LOCAL LIGHTING CIRCUIT, TAPPED UPSTREAM OF ANY CONTROL DEVICES.
- D. ALL EXTERIOR LIGHT FIXTURES SHALL BE ON THE SAME CIRCUIT AND CONTROLLED BY THE TIME CLOCK LOCATED IN ELEC. ROOM 117

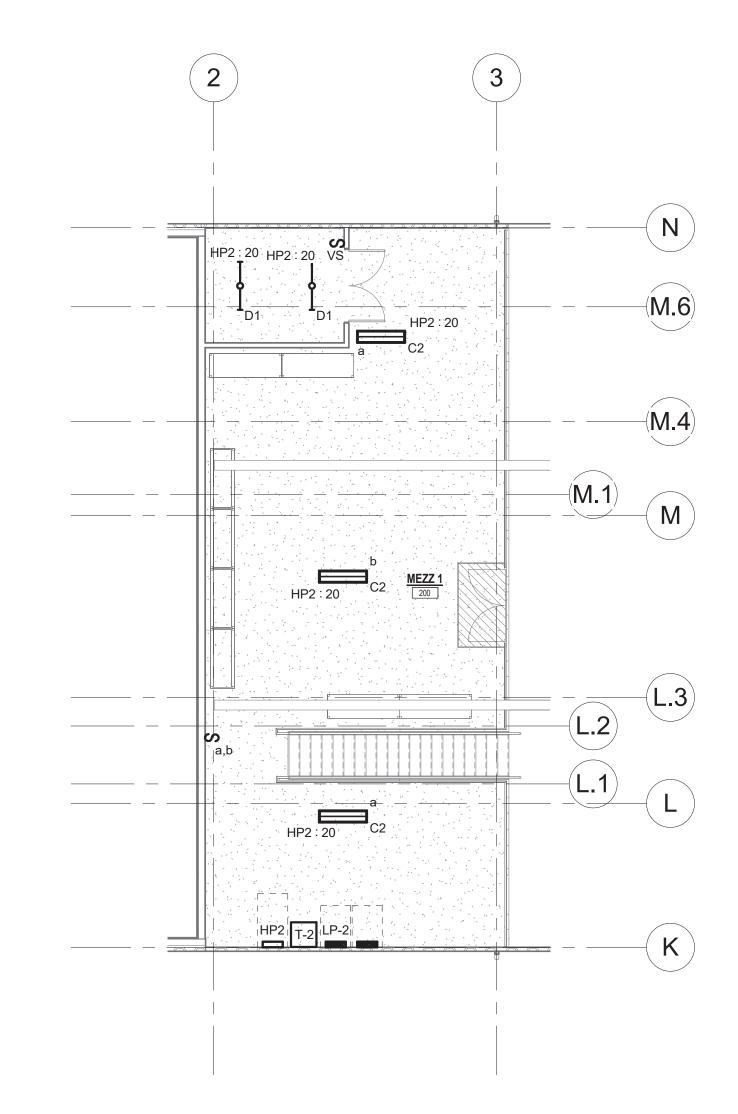
E203 DRAWING NOTES

1 AREA IS PART OF THE MEZZANINE 2A ALTERNATE 1, SHOULD ADD ALTERNATE NOT BE ACCEPTED LIGHT FIXTURES SHOWN SHALL BE TYPE "C1", AND SHALL BE CONNECTED TO THE VEHICLE STORAGE LIGHTING CONTROLS.

2 PROVIDE CENTRAL BATTERY SYSTEM FOR TYPE "INV" LIGHTS (DESIGN MAKE: SIGNTEX SERIES CBL) SUITABLE FOR 277V INPUT. PROVIDE WITH OPTIONAL LCD DISPLAY SCREEN. CIRCUIT ALL TYPE "INV" LIGHTS FROM CENTRAL BATTERY SYSTEM USING #10



3 CIRCUIT ALL FIXTURES ON SWITCHLEG "a" IN VEHICLE STORAGE 118 WITH (2)#10, (1)#10 3/4"C. PROVIDE 30A/1P BREAKER.



MEZZANINE LIGHTING PLAN - MEZZANNINE 1

1/8" = 1'-0"

Project:

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Reviewed By: SZI

Approved By: BAB

W&S Project No: N2190088

Drawing Title:

MEZZANNINE LIGHTING PLAN

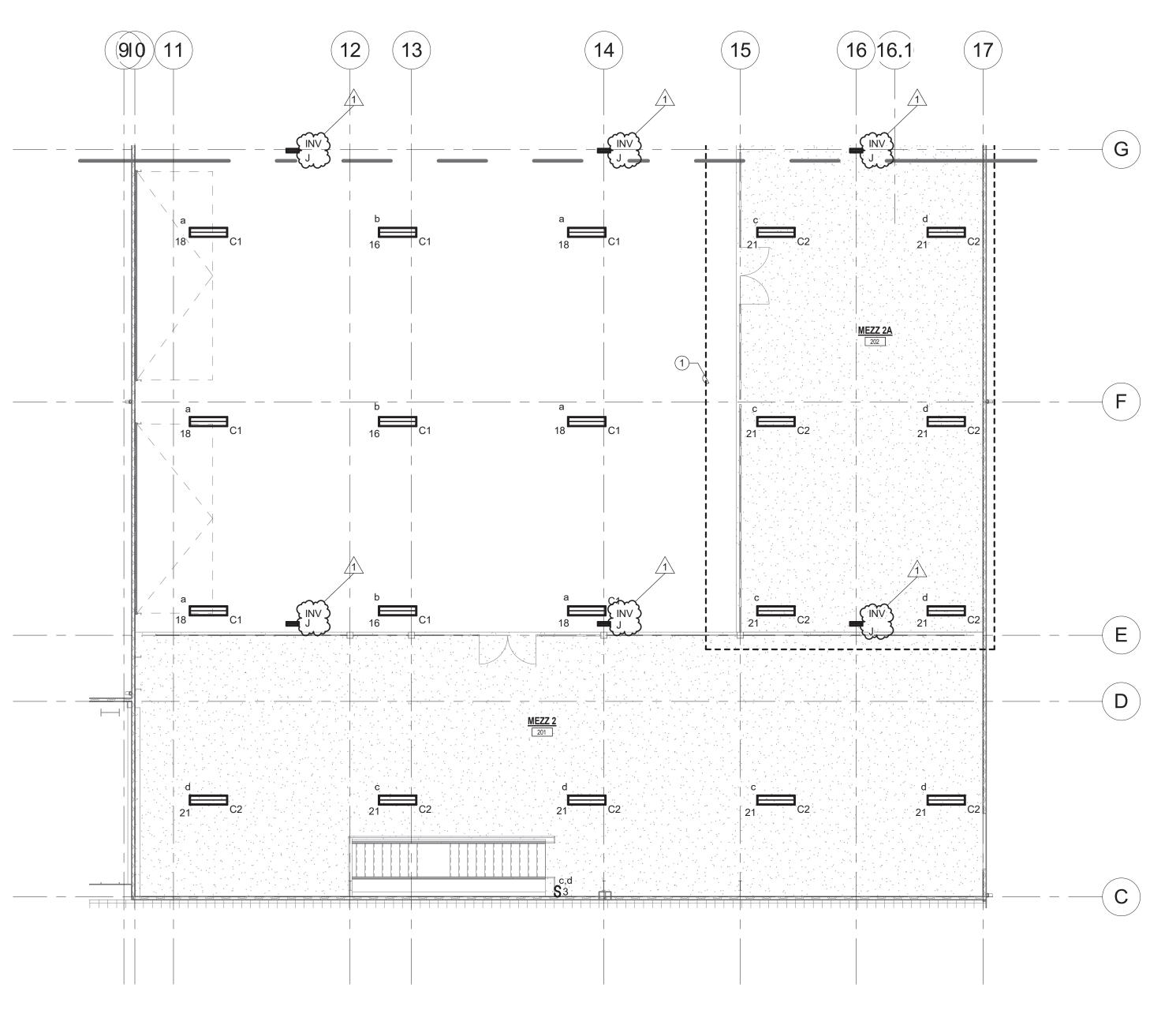
Sheet Number:

E203

- 12,(1)#12G, 3/4"C TO PANEL HP1, UNLESS OTHERWISE NOTED.
- B. COORDINATE MOUNTING OF ALL CEILING MOUNTED LUMINARIES WITH OTHER TRADES PRIOR TO INSTALLATION.
- C. ALL EXIT SIGNS SHALL BE POWERED FROM THE LOCAL LIGHTING CIRCUIT,
- D. ALL EXTERIOR LIGHT FIXTURES SHALL BE ON THE SAME CIRCUIT AND CONTROLLED BY THE TIME CLOCK LOCATED IN ELEC. ROOM 117

E204 DRAWING NOTES

1 AREA IS PART OF THE MEZZANINE 2A ADD ALTERNATE, SHOULD ADD ALTERNATE NOT BE ACCEPTED LIGHT FIXTURES SHOWN SHALL BE TYPE "C1", AND SHALL BE CONNECTED TO THE VEHICLE STORAGE LIGHTING CONTROLS.



MEZZANINE LIGHTING PLAN - MEZZANNINE 2/2A

1/8" = 1'-0"

A. UNLESS OTHERWISE NOTED, CIRCUIT ALL LUMINARIES AND DEVICES USING (2)#

TAPPED UPSTREAM OF ANY CONTROL DEVICES.

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APRIL 7, 2022

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Drawn By:

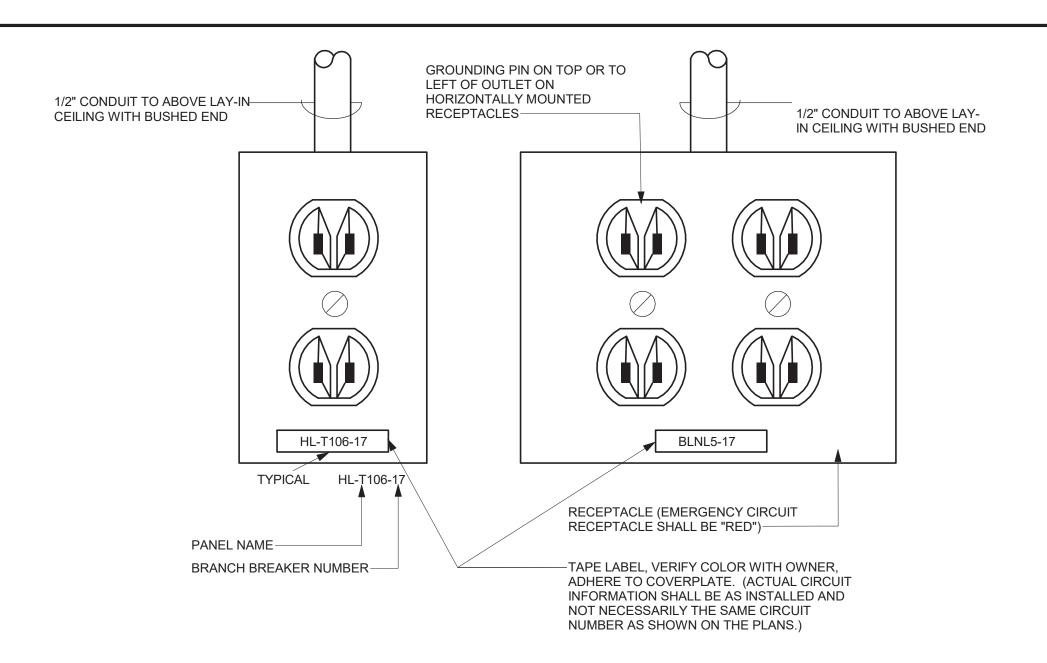
Approved By: BAB

W&S Project No: N2190088

Drawing Title:

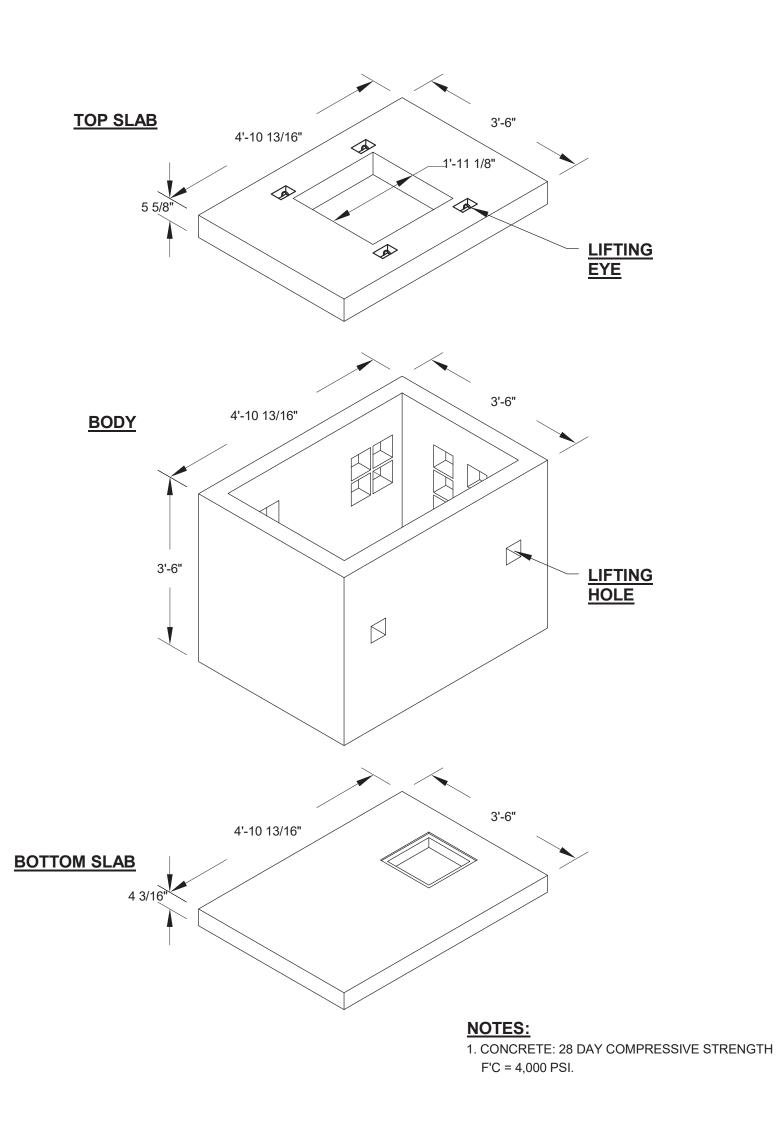
MEZZANNINE LIGHTING PLAN

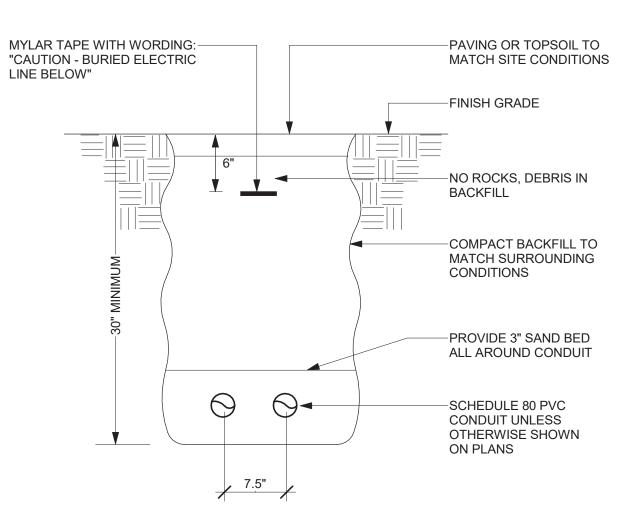
Sheet Number:



GENERAL DETAIL NOTES:

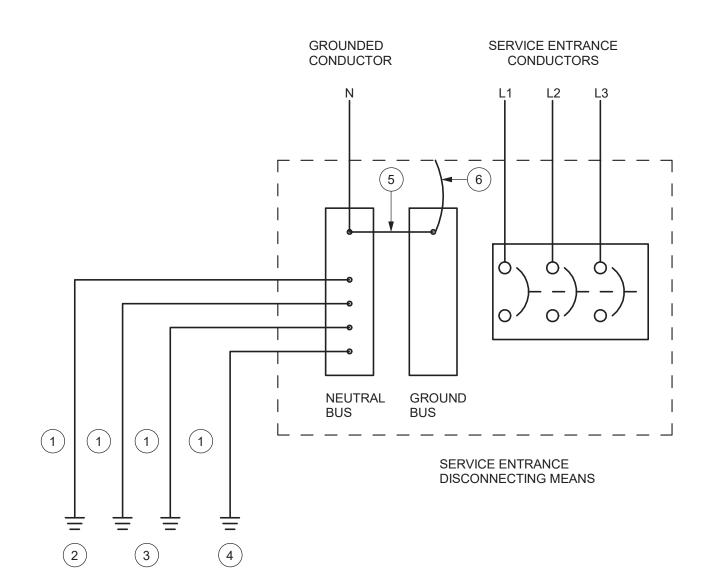
- A. PROVIDE GREEN GROUND WIRE IN ALL RECEPTACLE CIRCUITS. CONNECT TO GROUND BUS IN PANEL.
- B. DO NOT INSTALL RECEPTACLES, COMPUTER OR TELEPHONE OUTLETS BACK TO BACK. INSTALL IN ADJACENT STUD CAVITIES, TO REDUCE SOUND TRANSMISSION.
- $\underbrace{1}_{\mbox{NTS}} \underbrace{\mbox{TYPICAL RECEPTACLE IDENTIFICATION REQUIREMENTS}}_{\mbox{NTS}}$





DETAIL NOTES:

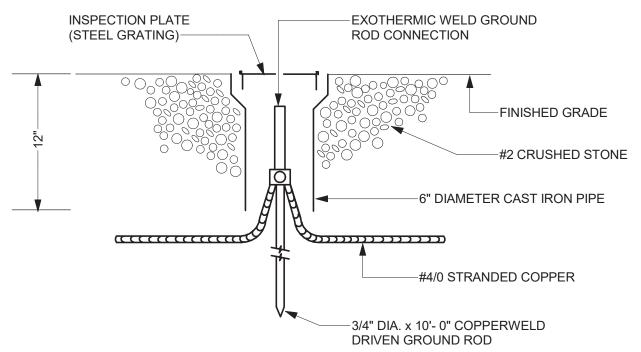
- A. READ THE SPECIFICATIONS.
- B. REPAIR ALL SETTLEMENT.
- C. MINIMUM TOP SOIL 6".
- D. WHERE ADDITIONAL CONDUITS ARE REQUIRED, INCREASE TRENCH WIDTH AND INSTALL CONDUITS WITH 3" MINIMUM SPACING.
- 2 TYPICAL DIRECT BURIED CONDUIT DETAIL NTS



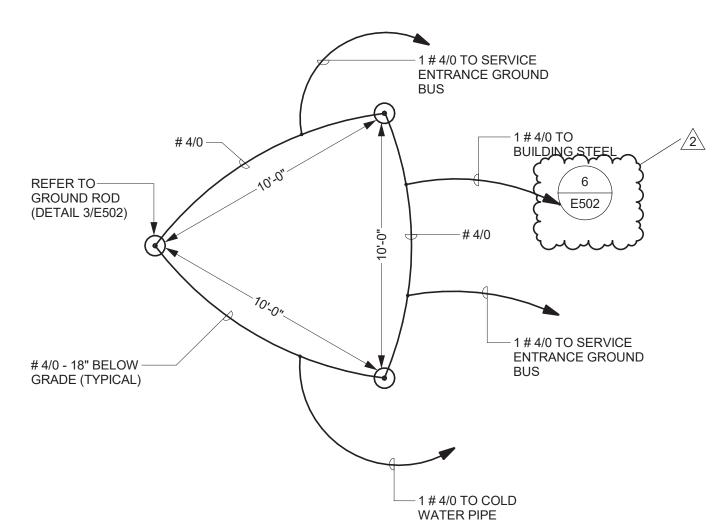
DETAIL NOTES:

- (1) GROUNDING ELECTRODE CONDUCTOR. PROVIDE INSULATED COPPER CONDUCTOR PER SPECIFICATIONS. IF NO SIZE IS SPECIFIED, PROVIDE INSULATED COPPER CONDUCTOR SIZED PER N.E.C., TABLE 250-66. INSTALL IN RIGID, SCHEDULE 40, PVC RACEWAY.
- 2 METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH EARTH FOR 10 FEET OR MORE. SHALL BE SUPPLEMENTED BY ITEMS 3 & 4.
- BUILDING STRUCTURAL STEEL.
- MADE GROUNDING ELECTRODE. REFER TO MADE GROUNDING ELECTRODE-GROUND GRID" DETAIL & SPECIFICATIONS.
- MAIN BONDING JUMPER. PROVIDE INSULATED COPPER CONDUCTOR
- PER N.E.C. ARTICLE 250-28.
- BOND GROUND BUS TO EQUIPMENT ENCLOSURE WITH BARE COPPER BONDING

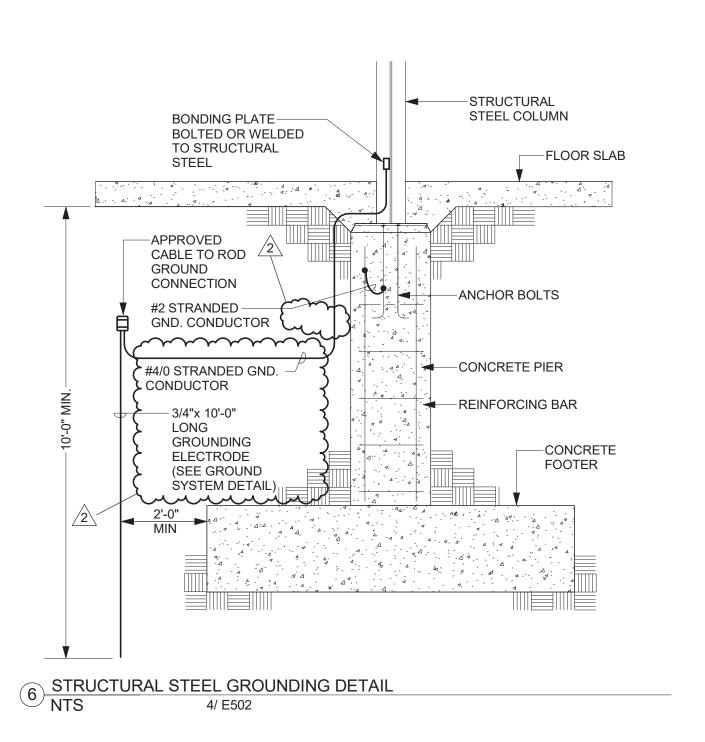
JUMPER PER N.E.C ARTICLE 250-28. 5 SERVICE ENTRANCE GROUNDING NTS

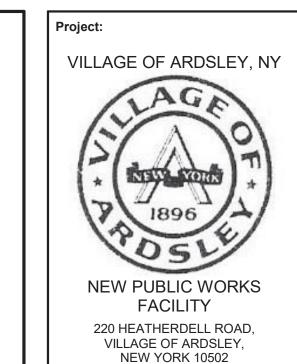


3 TYPICAL GROUND ROD DETAIL 1/8" = 1'-0"



4 GROUNDING SYSTEM DETAIL NTS

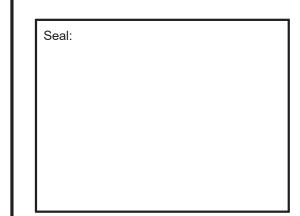


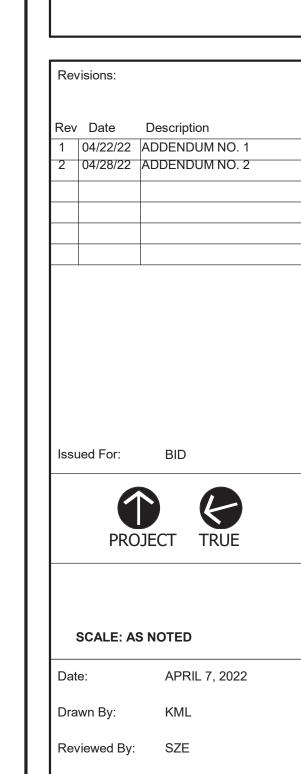


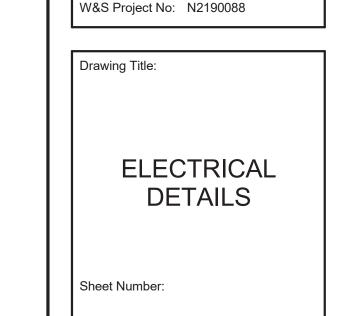
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ARCHITECTUR



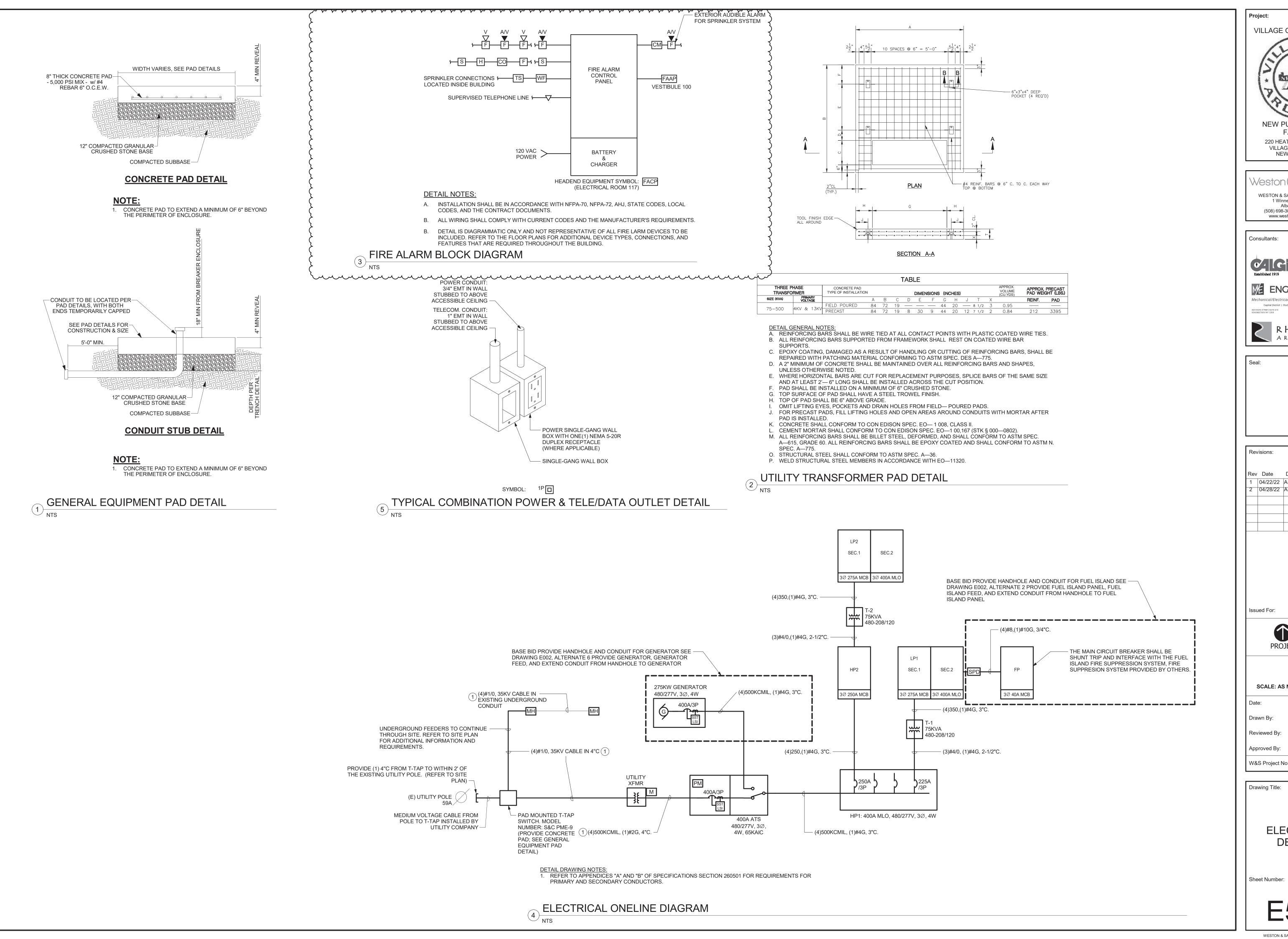




Approved By: BAB

7 MANHOLE DETAIL

NTS



VILLAGE OF ARDSLEY, NY **NEW PUBLIC WORKS FACILITY** 220 HEATHERDELL ROAD, VILLAGE OF ARDSLEY,

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Revisions Rev Date Description 1 04/22/22 ADDENDUM NO. 1

Issued For:



BID

SCALE: AS NOTED

APRIL 7, 2022 KML Drawn By: SZE

Approved By: BAB

W&S Project No: N2190088

Drawing Title:

ELECTRICAL DETAILS

Sheet Number:

| | | | | F | PANELE | BOAF | RD DIRI | ECTOF | RY | | | | |
|------------|-----------------------------------|-------|---------|--------|---------|----------|-------------------|--------|----------|------|-------|------------------------------|------------|
| | M/E PROJECT: NEW PUBLIC W | VORKS | FACILIT | Υ | PANEL N | AME: | | HP2 | | | | TYPE: BRANCH NTING: SURFACE | |
| | FACILITY: LOCATION: MEZZ 1 200 | | | | VC | LTAGE: | 480/277 Wye 14 | L-L F | PHASE: 3 | | | TYPE: MCB ATING: 400 A | |
| | | | | | S | OURCE: I | HP1 | | | | | ATING: 225 A | |
| CKT NO. | CIRCUIT DESCRIPTION | TRIP | POLE | | А | | В | | С | POLE | TRIP | CIRCUIT DESCRIPTION | CKT NO. |
| 1 | | | | 3879.8 | 1662.8 | | | | | | | | 2 |
| 3 | 5 TON CRANE | 35 A | 3 | | | 3879.8 | 1662.8 | | | 3 | 20 A | OH DOORS VEHICLE MAINT 120 | 4 |
| 5 | | | | | | | | 3879.8 | 1662.8 | 1 | | | 6 |
| 7 | | | | 3048.4 | 23453 | | | | | | | | 8 |
| 9 | VEHICLE WASH PRESS PLANT | 20 A | 3 | | | 3048.4 | 28503.4 | | | 3 | 225 A | T2 (FEEDING LP2) | 10 |
| 11 | | | | | | | | 3048.4 | 19190.6 | | | | 12 |
| 13 | | | | 5819.7 | 19399 | | | | | | | | 14 |
| 15 | COMP-1 | 60 A | 3 | | | 5819.7 | 19399 | | | 3 | 90 A | AUTO UNDERCARRIAGE PUMP SKID | 16 |
| 17 | | | | | | | | 5819.7 | 19399 | | | | 18 |
| 19 | DSF-120A,B | 15 A | 1 | 127.4 | 4329 | | | | | 1 | 20 A | VEHICLE MAINT/ WASHBAY LTG | 20 |
| 21 | DSF-126 | 15 A | 1 | | | 63.7 | 0 | | | | | SPACE | 22 |
| 23 | SPACE | | | | | | | 0 | 0 | | | SPACE | 24 |
| 25 | SPACE | | | 0 | 0 | | | | | | | SPACE | 26 |
| 27 | SPACE | | | | | 0 | 0 | | | | | SPACE | 28 |
| 29 | SPACE | | | | | | | 0 | 0 | | | SPACE | 30 |
| 31 | SPACE | | | 0 | 0 | | | | | | | SPACE | 32 |
| 33 | SPACE | | | | | 0 | 0 | | | | | SPACE | 34 |
| 35 | SPACE | | | | | | | 0 | 0 | | | SPACE | 36 |
| 37 | SPACE | | | 0 | 0 | | | | | | | SPACE | 38 |
| 39 | SPACE | | | | | 0 | 0 | | | | | SPACE | 40 |
| 41 | SPACE | | | | | | | 0 | 0 | | | SPACE | 42 |

| | M/E PROJECT: NEW PUBLIC W | VORKS | FACILIT | Υ | DANIEL N | A B 4 == | | | | | | TYPE: BRANCH | |
|------------|---------------------------------|-------|---------|-------|----------|----------|-------------|-----|--------|------|--------|--------------------------|-----------------------|
| | PROJECT NO.: 203050 | | | | PANEL N | AME: | | LP- | 2 | | MOU | NTING: SURFACE | |
| | FACILITY: | | | | VC | DLTAGE: | 120/208 Wye | L-L | PHASE: | 3 | OCP | TYPE: MCB | |
| | LOCATION: MEZZ 1 200 | | | | | AIC: | 10 | k | WIRE: | 4 | | ATING: 400 A | |
| | | | | | S | OURCE: | T2 | 1 | | | MCB RA | ATING: 275 A | |
| CKT NO. | CIRCUIT DESCRIPTION | TRIP | POLE | | Α | | В | | С | POLE | TRIP | CIRCUIT DESCRIPTION | CK ⁻ NO |
| 1 | 1111 400 | 45.0 | | 124.8 | 312 | | | | | 1 | 20 A | ERV-126,122 | 2 |
| 3 | UH-122 | 15 A | 2 | | | 124.8 | 3 168 | | | 1 | 20 A | PARTS WASHER | 4 |
| 5 | VEHICLE WASH HOT WATER HEATER | 20 A | 1 | | | | | 120 | 180 | 1 | 20 A | BATTERY CHARGER | 6 |
| 7 | CHAINSAW SHARPENER | 20 A | 1 | 252 | 624 | | | | | 1 | 20 A | 4 POST MOBILE LIFT | 8 |
| 9 | DEF MOBILE CART W/ PUMP | 20 A | 1 | | | 336 | 720 | | | 1 | 20 A | GAS DETECTION SYSTEM | 10 |
| 11 | WH-2 | 15 A | 1 | | | | | 600 | 696 | 1 | 15 A | EF-200 | 12 |
| 13 | REC EXTERIOR | 20 A | 1 | 720 | 900 | | | | | 1 | 20 A | REC MEZZ 2A | 14 |
| 15 | REC WASHBAY EQP, FLUIDS, & TLT | 20 A | 1 | | | 1080 | 972 | | | 1 | 20 A | AC RECHARGE MACHINE | 16 |
| 17 | ELECTRICAL REEL | 20 A | 1 | | | | | 900 | 7.2 | 1 | 20 A | FLUID STORAGE SUMP ALARM | 18 |
| 19 | BACK GATE | 20 A | 1 | 1176 | 1800 | | | | | 1 | 20 A | CHARGING STATION | 20 |
| 21 | REC MECH OFF & PARTS STOR | 20 A | 1 | | | 1260 | 416 | | | 2 | 15 A | EF-124 | 22 |
| 23 | DRILL PRESS | 20 A | 1 | | | | | 230 | 0 416 | | 13 A | L1 -124 | 24 |
| 25 | HYDRAULIC HOSE CRIMPING | 40 A | 1 | 2400 | 2912 | | | | | 2 | 50 A | TWO POST LIFT | 26 |
| 27 | HOSE SAW | 20 A | 1 | | | 6700 | 2912 | | | | 30 A | TWO FOST EII T | 28 |
| 29 | TIRE CHANGER | 20 A | 2 | | | | | 624 | 1040 | 2 | 20 Δ | TIRE BALANCER | 30 |
| 31 | TINE CHANGER | 20 A | | 624 | 1040 | | | | | | 20 / | TIVE BALANCEIX | 32 |
| 33 | WASTE ANTIFREEZE HIGH LVL ALARM | 20 A | 1 | | | 7.2 | 1320 | | | 1 | 20 A | BENCH GRINDER | 34 |
| 35 | SPACE | | | | | | | 0 | 0 | | | SPACE | 36 |
| 37 | SPACE | | | 0 | 0 | | | | | | | SPACE | 38 |
| 39 | SPACE | - | | | | 0 | 0 | | | | | SPACE | 40 |
| 41 | SPACE | | | | | | | 0 | 0 | | | SPACE | 42 |

| | | | | F | PANELE | 30ARI | D DIRE | ECT | ORY | | | | |
|------------|-------------------------|----------|----------|--------|----------|-----------|------------|------|---------|------|----------|---------------------|-----------|
| | M/E PROJECT: NEW PUBLIC | WORKS | FACILIT | ΓΥ | PANEL N | ∧ | | LP- | າ | | | TYPE: BRANCH | |
| | PROJECT NO.: 203050 | | | | PANEL IV | AIVIE. | | LP- | 2 | | MOUN | NTING: SURFACE | |
| | FACILITY: | | | | VC | LTAGE: 12 | 20/208 Wye | L-L | PHASE: | 3 | OCP | TYPE: MLO | |
| | LOCATION: MEZZ 1 200 | | | | | AIC: | | k | WIRE: | | | ATING: 400 A | |
| | | | , | | S | OURCE: LP | -2 | | | | MCB RA | ATING: | |
| CKT NO. | CIRCUIT DESCRIPTION | TRIP | POLE | | Α | | В | | С | POLE | TRIP | CIRCUIT DESCRIPTION | CK1 NO |
| 43 | OIL HIGH LEVEL ALARM | 20 A | 1 | 7.2 | 900 | | | | | 1 | 20 A | REC MEZZ 1 | 44 |
| 45 | WELDED | 50 A | | | | 5928 | 260 | | | | 45.0 | LUL 400 A | 46 |
| 47 | WELDER | 50 A | 2 | | | | | 592 | 3 260 | 2 | 15 A | UH-120A | 48 |
| 49 | REC VEHICLE MAINT | 20 A | 1 | 900 | 1393.6 | | | | | | 00.4 | VPE 404 | 50 |
| 51 | | 15.0 | | | | 260 | 1393.6 | | | 2 | 20 A | VRF-121 | 52 |
| 53 | -UH-120C | 15 A | 2 | | | | | 260 | 1508 | | | | 54 |
| 55 | | 00.4 | | 1508 | 1508 | | | | | 2 | 20 A | EUH-2 | 56 |
| 57 | -EUH-1 | 20 A | 2 | | | 1508 | 300.2 | | | | | | 58 |
| 59 | | | | | | | | 936. | 7 300.2 | 3 | 15 A | EF-126 | 60 |
| 61 | EF-120 | 20 A | 3 | 936.7 | 300.2 | | | | | | | | 62 |
| 63 | | | | | | 936.7 | 0 | | | | | | 64 |
| 65 | | | | | | | | 1200 | .9 0 | 2 | 20 A | WELDER | 66 |
| 67 | MONOXIVENT | 20 A | 3 | 1200.9 | 0 | | | | | | . | | 68 |
| 69 | | | | | | 1200.9 | 0 | | | 2 | 20 A | WELDER | 70 |
| 71 | | — | <u> </u> | | | | | 0 | 1393.6 | 1. | | | 72 |
| 73 | WELDER | 20 A | 2 | 0 | 1393.6 | | | | | 2 | 15 A | ACCU-121 | 74 |
| 75 | REC LIFT UTILITY | 20 A | 1 | | | 180 | 260 | | | | | | 76 |
| 77 | | 1 | | | | | | 260 | 260 | 2 | 15 A | UH-120B | 78 |
| 79 | -UH-126A | 15 A | 2 | 260 | 260 | | | | | | | | 80 |
| 81 | SPACE | | | | | 0 | 260 | | | 2 | 15 A | UH-126B | 82 |
| | SPACE | | | | | | | 0 | 0 | | | SPACE | 84 |

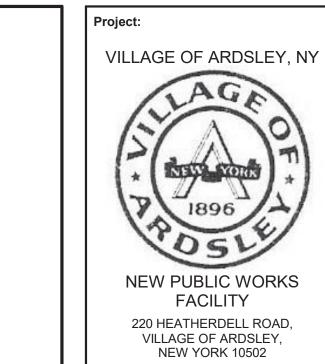
| | | | | F | PANELE | BOAF | RD DIRE | ECT | ORY | | | | | | |
|------------|-------------------------|-------|---------|-------|-------------|-----------|-------------|-----|-------|----------|------|--------|--------|---------------------|------------|
| | M/E PROJECT: NEW PUBLIC | WORKS | FACILIT | ΓΥ | | Λ N 4 I . | | | D | | | | TYPE: | BRANCH | |
| | PROJECT NO.: 203050 | | | | PANEL NAME: | | FP | | | | | MOUN | ITING: | SURFACE | |
| | FACILITY: | | | | VOLTAGE: | | 120/208 Wye | L-L | PHAS | PHASE: 3 | | OCP | TYPE: | MCB | |
| | LOCATION: | | | | AIC: | | | | WIR | E: 4 | 1 | BUS RA | ATING: | 100 A | |
| | | | | | S | OURCE: | LP1 | | | | _ | MCB RA | ATING: | 40 A | |
| CKT NO. | CIRCUIT DESCRIPTION | TRIP | POLE | | Α | | В | | С | | POLE | TRIP | | CIRCUIT DESCRIPTION | CKT NO. |
| 1 | HEATER | 20 A | 1 | 500.4 | 600 | | | | | | 1 | 20 A | FUEL | ISLAND LIGHTS | 2 |
| 3 | GAS DISPENSER | 20 A | 1 | | | 1200 | 1656 | | | | 1 | 25 A | GAS F | PUMP | 4 |
| 5 | DIESEL PUMP | 40 A | 1 | | | | | 24 | 100 2 | 240 | 1 | 20 A | TANK | MONITORING SYSTEM | 6 |
| 7 | FUEL MANAGEMENT UNIT | 15 A | 1 | 600 | 1200 | | | | | | 1 | 20 A | DIESE | L DISPENSER | 8 |
| 9 | GAS ANTI-SIPHON VALVE | 20 A | 1 | | | 240 | 240 | | | | 1 | 20 A | DIESE | L ANTI-SIPHON VALVE | 10 |
| 11 | SPARE | 20 A | 1 | | | | | (| 0 | 0 | 1 | 20 A | SPARI | E | 12 |
| 13 | SPARE | 20 A | 1 | 0 | 0 | | | | | | 1 | 20 A | SPARI | E | 14 |
| 15 | SPARE | 20 A | 1 | | | 0 | 0 | | | | 1 | 20 A | SPARI | E | 16 |
| 17 | SPACE | | | | | | | (| 0 | 0 | | | SPACI | E | 18 |
| 19 | SPACE | | | 0 | 0 | | | | | | | | SPACI | E | 20 |

| | | LUMINA | AIRE SCHE | DULE | | | |
|----------------|--|---|------------------------------|---------|-------------------------|------------|----------------|
| TYPE | DESCRIPTION | MFR. & CATALOG No. | LAMP | VOLTAGE | MOUNTING | UNIT WATTS | REFERENCE NOTE |
| A1 | 2X4 RECESSED TROFFER WITH CURVED, RIBBED DIFFUSER | LITHONIA LIGHTING 2BLT2 SERIES | LED 3300 LUMENS 3500K | MVOLT | RECESSED | 27W | 1 |
| A2 | SAME AS A1 EXCEPT LUMENS AND WATTAGE | LITHONIA LIGHTING 2BLT2 SERIES | LED 5100 LUMENS 3500K | MVOLT | RECESSED | 45W | 1 |
| В | 6" RECESSED DOWNLIGHT WITH MEDIUM DISTRIBUTION, CLEAR REFLECTOR AND SEMI-SPECULAR FINISH | GOTHAM LIGHTING EVO SERIES | LED 2000 LUMENS 3500K | MVOLT | RECESSED | 23W | 1 |
| C1 | HIGHBAY FIXTURE WITH STANDARD EFFICIENCY, ACRYLIC FROSTED LENS, AND GENERAL DISTRIBUTION | LITHONIA LIGHTING IGB SERIES | LED 30000 LUMENS 3500K | MVOLT | SUSPENDED 25'-0" AFF | 186W | |
| C2 | SAME AS C1 EXCEPT LUMENS AND WATTAGE | | LED 15000 LUMENS 3500K | MVOLT | SUSPENDED 25'-0" AFF | 95W | |
| C3 | 4' HIGH PRESSURE HOSE DOWN FIXTURE WITH CLEAR LENS AND MEDIUM DISTRIBUTION | LITHONIA LIGHTING FHE SERIES | LED 28000 LUMENS 3500K | MVOLT | SUSPENDED 25'-0" AFF | 173W | |
| D1 | 4' LED STRIP LIGHT | LITHONIA LIGHTING ZL1D SERIES | LED 5500 LUMENS 3500K | MVOLT | SUSPENDED 13'-0" AFF | 41W | 1 |
| D2 | 8' LED STRIP LIGHT | LITHONIA LIGHTING ZL1D SERIES | LED 11000 LUMENS 3500K | MVOLT | SUSPENDED 13'-0" AFF | 81W | 1 |
| E | 2' LED STRIP | LITHIONIA LIGHTING WL2 SERIES | LED 800 LUMENS 3500K | MVOLT | WALL | 8W | |
| F1 | LED WALL PACK WITH T3M DISTRIBUTION AND PIRH LIGHT SENSOR | LITHONIA LIGHTING DSXW2 SERIES | LED 5500 LUMENS 4000K | MVOLT | WALL 14'-0" AFF | 47W | |
| F2 | LED WALL PACK WITH SR3 DISTRIBUTION, PIR LIGHT SENSOR, AND EMERGENCY BATTERY BACKUP | LITHONIA LIGHTING WSQ SERIES | LED 2000 LUMENS 4000K | MVOLT | WALL 8'-0" AFF | 20W | 1 |
| G1 | 2' LINKABLE UNDER CABINET LIGHT | LITHONIA LIGHTING UCEL SERIES | LED 750 LUMENS 3000K | 120V | SURFACE | 10W | |
| G2 | 3' LINKABLE UNDER CABINET LIGHT | LITHONIA LIGHTING UCEL SERIES | LED 1200 LUMENS 3000K | 120V | SURFACE | 15W | |
| Н | WALL MOUNT ARCHITECTURAL SIGN LIGHT, TYPE II LATERAL THROW, 12" STEM | COOPER LIGHTING EON 303 S1-LEDB1 SERIES | LED 568 LUMENS 4000K | MVOLT | SURFACE | 8.5W | |
| I | WALL MOUNTD EXTERIOR FLOOD LIGHT | LITHONIA LIGHTING TFX1 SERIES | LED 7300 LUMENS 4000K | MVOLT | WALL | 54W | 1 |
| | LED HIGH BAY EMERGENCY LIGHT | SIGNTEX LIGHTING MHE SERIES | LED 6637 LUMENS 4700K | 24VDC | SURFACE | 40W | 2 |
| ⊗ | EXIT SIGNS WITH WHITE HOUSING, STENCIL FACE, AND RED LETTERING | LITHONIA LQM SERIES | LED | MVOLT | CEILING | | |
| ⊗ WP | EXIT SIGNS WITH WHITE HOUSING, STENCIL FACE, AND RED LETTERING, WET LOCATION RATED | LITHONIA WLTE SERIES | LED | MVOLT | WALL | | |

REFERENCE NOTES:

1. PROVIDE INTEGRAL BATTERY BACKUP FO ALL FIXTURES TAGGED AS "EM" ON THE FLOOR PLANS

(2. SEE DRAWING E203 DRAWING NOTE 2 FOR INFORMATION ON CIRCUITING TO CENTRAL BATTERY SYSTEM.)



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| Rev | isions: | |
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| Rev | Date | Description |
| 1 | 04/28/22 | ADDENDUM NO. 2 |
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Issued For: BID



SCALE: AS NOTED

Date: APRIL 7, 2022

Drawn By: KML

Reviewed By: SZE

Approved By: BAB

W&S Project No: N2190088

Drawing Title:

ELECTRICAL SCHEDULES

Sheet Number:

E704