CIRCUIT NUMBER

SYMBOL DESCRIPTION

DDC
J
MULTI-SERVICE POKE-THRU WITH TWO INTEGRAL DUPLEX RECEPTACLES

TAMPERPROOF T =
UP
3R
3R
COMBINATION SPEAKER/STROBE, CEILING MOUNTED, 75CD UNLESS
COMBINATION SPEAKER/STROBE, WALL MOUNTED, 75CD UNLESS
NOTED, CEILING MOUNTED

FIRE ALARM TERMINAL CABINET

CONDUIT TURNING UP
ZX-X
LINEAR FLUORESCENT, LED, RECESSED, PENDANT OR SURFACE CEILING

ABBREVIATIONS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

E814 PANEL SCHEDULES

TERRAZZO, ETC.)

SW SWITCH
PNL PANEL

E811 PANEL SCHEDULES

E132 ELECTRICAL HIGH ROOF PLAN - AREA 2 - EVENTS CENTER

TLC No.:

BAS BUILDING AUTOMATION SYSTEM CONTROL PANEL

EPO
LV

CONDUIT STUBBED OUT OR UP

CONDUIT TURNING DOWN

GFCI RECEPTACLE; "WP" INDICATES CAST METAL "IN-USE" WEATHERPROOF
(PROVIDE BREAKER WITH 2-POLE COMMON TRIP HANDLE)

TWO DUPLEX RECEPTACLES (QUAD) WITH COMMON COVER MOUNTED

NOTE: DIAGONAL MARKS INDICATED ON ANY DEVICE REPRESENTS
OWNER'S VENDOR DRAWINGS FOR LOW VOLTAGE REQUIREMENTS), OR

POKE-THRU WITH 6" CORE DRILL 6C =
30/3
20AF

MASS NOTIFICATION SYSTEM PANEL MNS

MANHOLE MH

CONDUIT HEADS)

TRACK HEADS)

EMERGENCY TWIN-HEAD LIGHT WITH INTEGRAL BATTERY PACK, WALL

LED OR FLUORESCENT FIXTURE RECESSED, PENDANT OR SURFACE

SPST SINGLE POLE SINGLE THROW

S/N SOLID NEUTRAL

NEMA RATING; NEMA 1 UNLESS OTHERWISE NOTED

4X SS = NEMA 4X STAINLESS STEEL ENCLOSURE

FCU FAN COIL UNIT

EDH ELECTRIC DUCT HEATER

EWC ELECTRIC WATER COOLER

E601 POWER RISER DIAGRAM

E702 ELECTRICAL DETAILS

E121 POWER PLAN - 2ND LEVEL - AREA 1 - LIBRARY

E002 GENERAL NOTES

Suite 1600

Copyright

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Adjaye Associates

E001

CITY OF WINTER PARK
LIBRARY AND EVENT CENTER

ELECTRICAL SYMBOL LEGEND

ELECTRICAL DRAWING INDEX

NOTE: 2008 SYMBOLS SHOWN ON THE LEGEND MAY NOT PERTAIN TO THIS PROJECT.
ELECTRICAL GENERAL NOTES

1. PROVIDE NATEC MINI-CIRCUIT BREAKERS ON ALL CIRCUITS OF HEALTH CARE HOSPITALS, LONG-TERM CARE FACILITIES, DAY CARE SCHOOLS, AND SCHOOLS WITH SPECIAL EDUCATION PROGRAMS. THE APPROPRIATE SIZE BREAKER SHALL BE PROVIDED AS APPROPRIATE FOR THE APPLIANCE TO BE SERVED.


3. PROVIDE PROPERLY RATED CIRCUIT BREAKERS ON ALL CIRCUITS TO HANDLE THE CURRENT HANDLED AND THE CLASSIFICATION OF THE ROOM.

4. PROVIDE PROPERLY RATED CIRCUIT BREAKERS ON ALL CIRCUITS TO HANDLE THE CURRENT HANDLED AND THE CLASSIFICATION OF THE ROOM.

FIRE ALARM SYSTEM NOTES

1. PROVIDE ALL HARDWARE, CIRCUITRY, AND CABLES TO BE COMPATIBLE WITH THE FIRE ALARM SYSTEM TO BE INSTALLED. PROVIDE ALL HARDWARE, CIRCUITRY, AND CABLES TO BE COMPATIBLE WITH THE FIRE ALARM SYSTEM TO BE INSTALLED.

2. PROVIDE ALL HARDWARE, CIRCUITRY, AND CABLES TO BE COMPATIBLE WITH THE FIRE ALARM SYSTEM TO BE INSTALLED.

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4. PROVIDE ALL HARDWARE, CIRCUITRY, AND CABLES TO BE COMPATIBLE WITH THE FIRE ALARM SYSTEM TO BE INSTALLED.

5. PROVIDE ALL HARDWARE, CIRCUITRY, AND CABLES TO BE COMPATIBLE WITH THE FIRE ALARM SYSTEM TO BE INSTALLED.

APPLICABLE CODES

1. ELECTRICAL CODE (NEC), 2014 EDITION

2. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).

3. NATIONAL ELECTRICAL CODE (NEC), 2014 EDITION

4. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).

5. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).

WHERE THERE IS A DISCREPANCY BETWEEN ABOVE GENERAL NOTES AND SPECIFICATIONS, WHERE APPLICABLE, SPECIFICATIONS SHALL BE FOLLOWED
### Parking_Northeast Illuminance (Fc)
- Average: 1.60
- Maximum: 3.5
- Minimum: 0.4
- Avg/Min Ratio: 4.00
- Max/Min Ratio: 8.75

### Port Cochere Illuminance (Fc)
- Average: 11.67
- Maximum: 27.2
- Minimum: 0.2
- Avg/Min Ratio: 58.35
- Max/Min Ratio: 136.00

### Parking_Southwest Illuminance (Fc)
- Average: 1.49
- Maximum: 2.2
- Minimum: 0.2
- Avg/Min Ratio: 7.45
- Max/Min Ratio: 11.00

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### SEAL SHEET PROJ. NO. DRAWN DATE SUBMISSION NO.

ANY SUBSTITUTION OF SITE LIGHTING FIXTURES SHALL REQUIRE A NEW POINT...
1. ALL EQUIPMENT AND RECEPTACLES ARE TO BE CIRCUITED TO PANEL LR1B, UNLESS OTHERWISE NOTED.

2. PROVIDE NEMA 6-20R RECEPTACLE FOR POWER CONNECTION TO SUMP PUMP. COORDINATE EXACT LOCATION WITH ELEVATOR SHOP DWGS AND CONNECTION REQUIREMENTS WITH DIV 22 PRIOR TO ROUGH-IN.

3. PROVIDE J-BOX FOR POWER TO POWERED DOOR. COORDINATE WITH TECHNOLOGY DRAWINGS FOR CONNECTION TO ACCESS CONTROLS. RECEPTACLE TO BE MOUNTED INTO STEP BENEATH SEATING. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.

4. POWER FOR SMART SECURITY GATE. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS WITH TECHNOLOGY DRAWINGS AND GATE MANUFACTURER PRIOR TO ROUGH-IN.

5. ROUTE 3/4" CONDUIT IN SLAB AND UP WALL TO NEAREST ACCESSIBLE CEILING.

6. PROVIDE RELAY AND CONNECTION TO AV RACK FOR AUDIO OVERRIDE FROM FIRE ALARM SYSTEM.
GENERAL NOTES:
1. PROVIDE COMPLETE LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA 780, FOR UL MASTER LABEL, INCLUDING BURIED COUNTERPOISE CONDUCTOR, BONDED TO COPPER DOWN CONDUCTORS; COPPER DOWN CONDUCTORS ARE TO BE A MAXIMUM 100' CENTER TO CENTER AT ROOF PERIMETER, CONCEALED IN 1" PVC CONDUIT IN EXTERIOR COLUMN OR WALL, DOWN TO BURIED COUNTERPOISE. PROVIDE GROUND TEST WELLS, WITH APPROPRIATE TRAFFIC RATED COVERS, FOR GROUND RODS; COORDINATE LOCATION WITH LANDSCAPING AND HARDSCAPE AROUND BUILDING, AND WITH SITE UTILITIES. ALL CONNECTIONS ARE TO BE BY EXOTHERMIC WELD. ALL CONDUCTORS FROM HIGHER TO LOWER ROOFS SHALL BE CONCEALED FROM VIEW. PROVIDE COMPLETE 1/8" SCALE = 1'-0" SCALED SHOP DRAWINGS SHOWING ALL COMPONENTS, MOUNTING DETAILS, ROOF PENETRATION DETAILS, BONDS TO ROOF EQUIPMENT, ETC. FROM ROOF LIGHTNING PROTECTION CONDUCTORS. ANY AIR TERMINALS MOUNTED IN THE INTERIOR OF THE ROOF SHALL BE BLUNT TIP TYPE.
POWER REQUIREMENTS AND MOUNTING WITH EQUIPMENT

GENERAL NOTES:

- TAMPER RESISTANT OUTLETS.
- PROVIDE POWER FOR WASHER/DRYER. PROVIDE NEMA 14 IN. COORDINATE WITH PLUMBING DRAWINGS PRIOR TO ROUGH IN.
- PROVIDE POWER FOR DOOR HARDWARE. COORDINATE EXACT IN.
- POWER FOR ELECTRIC WATER COOLER. COORDINATE WITH PLUMBING DRAWINGS PRIOR TO ROUGH IN.
- POWER FOR PARTITION DOOR. COORDINATE POWER CIRCUIT NUMBERS ARE LOCATED ADJACENT TO EQUIPMENT OR CONDUIT AND WIRING.
- OVERRIDE FROM FIRE ALARM SYSTEM.
- WIREMOLD AL2000 SERIES PLUG MOLD. 12" SPACING OF LINE ARE TO PANEL INDICATED, UNLESS OTHERWISE NOTED.

ARCHITECTURAL DRAWINGS PRIOR TO ROUGH IN.

- LINE ARE TO PANEL INDICATED, UNLESS OTHERWISE NOTED.
- POWER FOR PARTITION DOOR. COORDINATE POWER CIRCUIT NUMBERS ARE LOCATED ADJACENT TO EQUIPMENT OR CONDUIT AND WIRING.
- OVERRIDE FROM FIRE ALARM SYSTEM.
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- OVERRIDE FROM FIRE ALARM SYSTEM.
- WIREMOLD AL2000 SERIES PLUG MOLD. 12" SPACING OF LINE ARE TO PANEL INDICATED, UNLESS OTHERWISE NOTED.
PROVIDE COMPLETE LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA 780, UL MASTER LABEL, INCLUDING BURIED COUNTERPOISE CONDUCTOR, PERIMETER CONDUCTOR AT INTERMEDIATE LEVELS BONDED TO COPPER DOWN CONDUCTORS; COPPER DOWN CONDUCTORS TO BE AT MAXIMUM 100' CENTER TO CENTER, CONCEALED IN 1" PVC CONDUIT IN EXTERIOR COLUMN OR WALL DOWN TO BURIED COUNTERPOISE. PROVIDE GROUND TEST WELLS, WITH APPROPRIATE TRAFFIC RATED COVERS, FOR GROUND RODS - COORDINATE LOCATION WITH LANDSCAPING AND HARDSCAPE AROUND BUILDING, AND SITE UTILITIES. ALL CONNECTIONS ARE TO BE BY EXOTHERMIC WELD. ALL CONDUCTORS FROM HIGHER TO LOWER ROOFS SHALL BE CONCEALED FROM VIEW. PROVIDE COMPLETE 1/8" = 1'-0" SCALED SHOP DRAWINGS, SHOWING ALL COMPONENTS, MOUNTING DETAILS, ROOF PENETRATION DETAILS, BONDS TO ROOF EQUIPMENT FROM ROOF LIGHTNING PROTECTION CONDUCTOR, ETC.

AIR TERMINAL MOUNTING; PROVIDE PARAPET TYPE BASE WHERE MOUNTED ON PARAPET; PROVIDE FLAT BASE FOR MECHANICAL EQUIPMENT OR ROOF PERIMETER WITH NO PARAPET; PROVIDE BLUNT TIP WHERE MOUNTED ON INTERIOR OF ROOF, UNLESS OTHERWISE NOTED ON LIGHTNING PROTECTION PLANS.
GENERAL NOTES:

1. PROVIDE COMPLETE LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA 780, UL MASTER LABEL, INCLUDING BURIED COUNTERPOISE CONDUCTOR, PERIMETER CONDUCTOR AT INTERMEDIATE LEVELS BONDED TO COPPER DOWN CONDUCTORS; COPPER DOWN CONDUCTORS TO BE AT MAXIMUM 100' CENTER TO CENTER, CONCEALED IN 1" PVC CONDUIT IN EXTERIOR COLUMN OR WALL DOWN TO BURIED COUNTERPOISE. PROVIDE GROUND TEST WELLS, WITH APPROPRIATE TRAFFIC RATED COVERS, FOR GROUND RODS - COORDINATE LOCATION WITH LANDSCAPING AND HARDSCAPE AROUND BUILDING, AND SITE UTILITIES. ALL CONNECTIONS ARE TO BE BY EXOTHERMIC WELD. ALL CONDUCTORS FROM HIGHER TO LOWER ROOFS SHALL BE CONCEALED FROM VIEW. PROVIDE COMPLETE 1/8" = 1'-0" SCALED SHOP DRAWINGS, SHOWING ALL COMPONENTS, MOUNTING DETAILS, ROOF PENETRATION DETAILS, BONDS TO ROOF EQUIPMENT FROM ROOF LIGHTNING PROTECTION CONDUCTOR, ETC. AIR TERMINAL MOUNTING; PROVIDE PARAPET TYPE BASE WHERE MOUNTED ON PARAPET; PROVIDE FLAT BASE FOR MECHANICAL EQUIPMENT OR ROOF PERIMETER WITH NO PARAPET; PROVIDE BLUNT TIP WHERE MOUNTED ON INTERIOR OF ROOF, UNLESS OTHERWISE NOTED ON LIGHTNING PROTECTION PLANS.
PLAN NOTES:
1. PROVIDE CRESTRON ROOM CONTROL INTERFACE MOUNTED ON WALL AT 48" FOR MEETING ROOM 1.133. PROVIDE CRESTRON CONTROLLER ON WALL ABOVE INTERFACE AT 84".

GENERAL NOTES:
1. REFER TO SHEET E801 FOR LIGHTING CONTROL ZONE PROGRAMMING/COMMISSIONING REQUIREMENTS.
2. ALL EXIT SIGNS SHALL BE CIRCUITED TO NEAREST LIGHTING CIRCUIT WITHIN SAME ROOM OR AREA AHEAD OF ANY LOCAL SWITCHING.
GENERAL NOTES:

1. REFER TO SHEET E801 FOR LIGHTING CONTROL ZONE PROGRAMMING/COMMISSIONING REQUIREMENTS.
   ALL EXIT SIGNS SHALL BE CIRCUITED TO NEAREST LIGHTING CIRCUIT WITHIN SAME ROOM OR AREA AHEAD OF ANY LOCAL SWITCHING.

2. PLAN NOTES:
   CIRCUIT TO BE RUN THROUGH INVERTER INV-C2. SEE ENLARGED PLAN G13 ON SHEET E500 FOR ADDITIONAL INFORMATION.
FOR FEEDER CODES, "N" = 100" RATED NEUTRAL, "NN" = DOUBLE GROUND CODE

3/4" 2 SETS OF ARC FLASH ENERGY REDUCTION MAINTENANCE SWITCH (ERMS)

FUTURE TENANT EQUIPMENT; EQUIPMENT WITH SOLID, LINEWEIGHT 3#4-
3"-
3#2/0-

DRY-TYPE TRANSFORMER, MOUNTED ON CONCRETE HOUSEKEEPING LEVEL 2 NORTH LIBRARY

3PH, 480V TO 208Y/120V UNLESS OTHERWISE INDICATED

75 KVA

BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR.

REFERENCE PANEL/SWITCHBOARD FEEDER SCHEDULE FOR PHASE, NEUTRAL, GROUND

ALL FEEDERS ARE BASED ON COPPER (SEE TRANSFORMER SCHEDULE BELOW FOR TRANSFORMER FEEDERS)

POWER RISER SYMBOL LEGEND

CONDUIT CODE

NEUTRAL

CONDUIT

NEUTRAL

VOLTAGE DROP = 2% MAX (PER FBC ENERGY CONSERVATION C405.7.3)

CIRCUIT BREAKER AND DISCONNECT RATINGS INDICATED ARE 3-POLE UNLESS NOTED OTHERWISE.

SECONDARY FEEDER SIZES OF ALL DRY-TYPE STEP-DOWN TRANSFORMERS.

SECONDARY VOLTAGE (V)

POWER RISER DIAGRAM
CONTROL UNIT ANNUNCIATION NOTIFICATION FIRE SAFETY CONTROL

EVENT CENTER LIBRARY

FIRE ALARM SEQUENCE OF OPERATIONS MATRIX

FIRE ALARM RISER NOTES:

1. ANNUNCIATING CIRCUITS TO OTHER

3. EOR

4. - STAGE II PANELS ARE SHOWN FOR REFERENCE ONLY.

5. PROVIDE AMPLIFIER CAPACITY FOR 175 SPEAKERS PER FLOOR.

6. WIRING SUPERVISION FOR THE FIRE ALARM SYSTEM SHALL BE PROVIDED AS DEFINED IN NFPA 72.

7. WIRING SUPERVISION SHALL BE PROVIDED AS DEFINED IN NFPA 72.

8. WIRING SUPERVISION FOR THE FIRE ALARM SYSTEM SHALL BE PROVIDED AS DEFINED IN NFPA 72.

9. PROVIDE AMPLIFIER CAPACITY FOR 175 SPEAKERS PER FLOOR.

10. PROVIDE POWER SUPPLY CAPACITY FOR 75 VISUAL INDICATING DEVICES PER FLOOR.

11. PROVIDE POWER SUPPLY CAPACITY FOR 75 VISUAL INDICATING DEVICES PER FLOOR.

12. PROVIDE POWER SUPPLY CAPACITY FOR 75 VISUAL INDICATING DEVICES PER FLOOR.

13. OPEN CIRCUIT

14. GROUND FAULT NOTIFICATION APPLIANCE CIRCUIT SHORT

15. PROVIDE AMPLIFIER CAPACITY FOR 175 SPEAKERS PER FLOOR.

16. PROVIDE AMPLIFIER CAPACITY FOR 175 SPEAKERS PER FLOOR.

17. OPEN CIRCUIT

18. PROVIDE AMPLIFIER CAPACITY FOR 175 SPEAKERS PER FLOOR.

19. PROVIDE AMPLIFIER CAPACITY FOR 175 SPEAKERS PER FLOOR.

20. PROVIDE AMPLIFIER CAPACITY FOR 175 SPEAKERS PER FLOOR.

NOTICE: THE ABOVE INFORMATION IS NOT TO BE CONSTRUED AS LEGAL ADVICE. IT IS PROVIDED AS A GENERAL GUIDE AND SHOULD NOT BE CONSIDERED AS LEGALLY BINDING. IT IS THE RESPONSIBILITY OF THE PROJECT TEAM TO CONSULT WITH THEIR LEGAL COUNSEL TO DETERMINE THE APPLICABILITY OF ANY LEGAL REQUIREMENTS.

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117033

FIRE ALARM RISER DIAGRAM

E602

CITY OF WINTER PARK
LIBRARY AND EVENT CENTER

FIRE ALARM RISER DIAGRAM
1. CONTROLLED RECEPTACLES TURN ON AUTOMATICALLY WHEN OCCUPANT ENTERS THE SPACE.
2. CONTROLLED RECEPTACLES TURN OFF AUTOMATICALLY 15 MINUTES AFTER OCCUPANTS LEAVE THE SPACE.
## LIGHTING FIXTURE SCHEDULE

### General Notes:
1. All LED fixtures shall be minimum 50,000 hours L70, CRI 80+.

### Integration Lighting Control System:
- Library Meeting Room: All other spaces shall be provided with stand-alone lighting control systems.

### Fire-Rated Enclosures:
- Provide approved fire-rated enclosures for all lights fixtures located in fire-suspended from structure with threaded rods.
- Fixtures shall be mounted at 10'-0".

### Lighting Specifications and Catalog Number:
- The lighting specifications and the catalog number listed the fixture switches. Individual private offices and other rooms noted on the lighting plans are intended to be a stand-alone system.

### ETC Coordination:
- Elements of the lighting plans (ETC) shall be carefully coordinated with owner, engineer, architect, and contractor, as part of required shop drawing submittal.

### Lighting Controls:
- Provide a complete lighting control system complete with lighting control relay panels, switches, occupancy sensors, daylight sensors, etc. for a complete and operational system.

### Operational System:
- Local dimming equipment shall be located at the location of the electrical panel box and be a single device.

### Power Plans:
- Refer to power plans for occupancy sensor controlled receptacles in offices, open offices, and computer labs.

### Photometric Calculations:
- Photometric calculations shall be included as part of the shop drawing submittal.

### DBR and LBR:
- Daylight sensors and occupancy control, and/or manual lighting control per space requirements.

### Night Lighting:
- Lighting is controlled through a stand-alone lighting control system.

### Daylight Sensor:
- Daylight sensor: For automatic control of lighting for dimming fixtures sensor to dim to no less than 30%, "fast" dimming rate.

### Fastest Settings:
- Fastest - programmed to be set to "normal" specific color-coded area.

### Time-of-Day:
- System components settings symbol.

### System Component Settings:
- Daylight sensor - ceiling daylight sensor.
- Exterior lighting is controlled through relay panel.

### General Notes:
1. Project Data Sheets Cover Sheets, Dimensions, Administrative Manual.
2. Assembly drawings. The buyer may include other drawings for additional detail.
3. Cable Marking and Spacing Specification.

### Graphical Representation of Systems:
- Graphical representation of systems shall be shown in a block diagram indicating the location of the system, control, and inspection.

### Lighting Control System:
- Lighting control system. Programming is to be done division 26 contractor.

### System Settings:
- System settings symbol.

### Building Codes:
- Florida Energy Conservation Code; any lights within this area are based on daylight levels for lights within daylight zones shown at building perimeter.

### Lighting Zones:
- Magenta/Green Zones: Automatic on and automatic off.
- Red/Blue/Green Zones: Daylight control system.

### Manual Switches:
- Manual Override Switches are keyed override switches for manual light control.

### Control System Elements:
- Control system elements.

### Lighting Control System Program:
- Lighting control system program.

### Lighting Control System Design:
- Lighting control system design.

### Lighting Control System Specifications:
- Lighting control system specifications.

### Lighting Control System Data Sheets:
- Lighting control system data sheets.

### Lighting Control System Product Data Sheets:
- Lighting control system product data sheets including all devices, dimensions, wiring details, nomenclature.
MECHANICAL EQUIPMENT SCHEDULE NOTES:

- DISCREPANCY IN BREAKER RATING ON PANEL SCHEDULE AND THIS SCHEDULE, RATING ON THIS
  SCHEDULE SHALL TAKE PRECEDENCE.
- VARIABLE FREQUENCY DRIVE (VFD) IS FURNISHED BY DIVISION 23, INSTALLED AND CONNECTED BY
  VERIFY DISCONNECT FRAME SIZE AND FUSE RATING/TYPE BASED ON DIVISION 23 SHOP DRAWINGS
  NECESSARY.
- PROVIDE ONE CIRCUIT TO POWER THESE PIECES OF EQUIPMENT. REFER TO PLAN DRAWINGS AND
  PANEL SCHEDULES FOR CIRCUITING OF MULTIPLE PIECES OF EQUIPMENT.
- PROVIDE 208V 1-PH FULL VOLTAGE CONTACTOR AND MANUAL MOTOR-RATED SWITCH. CONNECT TO
  DISCONNECTING MEANS, CONTROL AND FIRE ALARM INTERFACE. FEATURES TO INCLUDE 120V SHUNT
  GLASS J FUSE MOUNTING AND FUSES, MECHANICALLY-INTERLOCKED AUXILIARY CONTACTS FOR
  PROVIDE 480V 3-PH 100A BUSSMAN POWER MODULE SWITCH, OR EQUAL, FOR ELEVATOR
  TRIP, CONTROL POWER TRANSFORMER WITH FUSES AND TERMINAL BLOCKS, FIRE ALARM INTERFACE
  RELAY, FIRE ALARM VOLTAGE MONITORING RELAY TO MONITOR SHUNT TRIP VOLTAGE, GROUND LUG,
  PROVIDE NEUTRAL CONDUCTOR AND TAP FROM ONE PHASE CONDUCTOR FOR 120V CONNECTION TO
  ON THE SCHEDULE FOR APPLICABLE NOTES.

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MECHANICAL EQUIPMENT CONNECTION SCHEDULE - COOLING

---

MECHANICAL EQUIPMENT CONNECTION SCHEDULE - ELEVATORS

---

MECHANICAL EQUIPMENT CONNECTION SCHEDULE - HEATING

---

MECHANICAL EQUIPMENT CONNECTION SCHEDULE - MOTOR
### Branch Panel: CM1
- Location: Main ELECTRICAL
- Panel: CM1
- Mains Type: Type 1
- Mains Rating: 250 A
- Supply From: 1335 A
- Volts: 480/277 Wye
- Mains Type: Type 1
- Mains Rating: 11700 A
- Notes: Mains Type: Type 1
- Copyright (c) HuntonBrady Architects, 2018

### Branch Panel: CL1
- Location: Main ELECTRICAL
- Panel: CL1
- Mains Type: Type 1
- Mains Rating: 250 A
- Supply From: 1335 A
- Volts: 480/277 Wye
- Mains Type: Type 1
- Mains Rating: 11700 A
- Notes: Mains Type: Type 1
- Copyright (c) HuntonBrady Architects, 2018

### Switchboard: MSB
- Location: Main ELECTRICAL
- Panel: MSB
- Mains Type: Type 1
- Mains Rating: 250 A
- Supply From: 1335 A
- Volts: 480/277 Wye
- Mains Type: Type 1
- Mains Rating: 11700 A
- Notes: Mains Type: Type 1
- Copyright (c) HuntonBrady Architects, 2018

### Panel Schedules
- Panel: CM1
- Panel: CR1B
- Panel: CR1A
- Panel: SL1
- Panel: CL1
- Panel: MDB

### Electrical Load Data
- Load Classification
- Connected Load
- Demand Factor
- Estimated Demand
- Panel Totals

### CKT Circuit Description
- CKT
- Circuit Description
- # of Poles
- Trip
- Pole
- Branch Panel

### Other Notes
- Mains Rating: 250 A
- Supply From: 1335 A
- Volts: 480/277 Wye
- Mains Type: Type 1
- Mains Rating: 11700 A
- Notes: Mains Type: Type 1
- Copyright (c) HuntonBrady Architects, 2018
### Load Classification

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**Branch Panel: LL1B**
- Location: ELECTRIC EQUIPMENT.
- Label: 202-03
- Rating Type: E

**Branch Panel: LL1A**
- Location: ELECTRIC EQUIPMENT.
- Label: 202-03
- Rating Type: E

**Switchboard: LOP**
- Location: ELECTRIC EQUIPMENT.
- Label: 202-03
- Rating Type: E
### DESIGN CRITERIA

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<td>2.</td>
<td>PROVIDE A TEMPORARY STANDPIPE SYSTEM WITH FIRE DEPARTMENT CONNECTIONS DURING CONSTRUCTION.</td>
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### FIRE PROTECTION GENERAL NOTES

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### FIRE PROTECTION DRAWING INDEX

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<td>F001 FIRE PROTECTION SYMBOLS, LEGEND, NOTES AND INDEX</td>
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<td>F122 FIRE PROTECTION PLAN - 2ND LEVEL - AREA 2 - EVENTS CENTER</td>
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<td>F301 FIRE PROTECTION SECTIONS</td>
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<td>F701 FIRE PROTECTION DETAILS</td>
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BUILDING TO BE FULLY SPRINKLERED, SEE DESIGN CRITERIA ON FP0.00

EVENT CENTER SPRINKLER RISER
6" FIRE PROTECTION SUPPLY, SEE CIVIL FOR CONT.
1. ELECTRICAL PLAN SHOWS ROUGH-IN AND CONNECTION LOCATIONS WITH CAPACITIES SEE ROUGH-IN DRAWINGS FURNISHED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR FOR ACTUAL ROUGH-IN.

2. ELECTRICAL SYSTEM IS DESIGNED FOR _____ VOLTS, _____ PHASE, _____ HERTZ, _____WIRE SYSTEM.

3. DIVISION 26 SHALL FURNISH AND INSTALL ALL JUNCTION BOXES, RECEPTACLES, COVER PLATES, PULL BOXES, AND INSTALLATION BY DIVISION 26.

4. ALL CONDUIT RUNS INDICATED FOR REFRIGERATION, DRINK AND LIQUOR SYSTEM LINES SHALL BE FURNISHED AND INSTALLED BY DIVISION 26.

5. DIVISION 26 TO FURNISH & INSTALL SAFETY DISCONNECT SWITCHES WHERE REQUIRED, REFER TO ELECTRICAL SCHEDULE & CONTRACT DOCUMENTS. SDS TO BE S/S OR ALUMINUM.

6. FSE CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL WORK FOR FABRICATED EQUIPMENT ITEMS (CHEF'S COUNTER, TABLES, ETC.) AS NOTED: COMPLETE WITH JUNCTION BOXES, CONDUIT, SURFACE MOUNTED ELECTRIC BOXES, COVER PLATES, ELECTRIC RACEWAYS AND CIRCUIT BREAKER PANEL, WHEN SPECIFIED. DIVISION 26 SHALL PULL WIRING AND MAKE FINAL CONNECTION.

7. DIVISION 26 TO FURNISH & INSTALL SHUNT TRIP TYPE BREAKER DISCONNECT TO FOOD SERVICE EQUIPMENT UNDERNEATH EXHAUST VENTILATOR. COORDINATE SHUNT TRIP BREAKER REQUIREMENTS WITH FOOD SERVICE EQUIPMENT CONTRACTOR.

8. DIVISION 26 TO FURNISH & INSTALL ALL INTERCONNECTING CONDUIT AND WIRING BETWEEN FOOD SERVICE SWITCH, FAN DOOR SWITCH AND COMPRESSOR CONTROL PANEL.

9. DIVISION 26 TO FURNISH & INSTALL ALL INTERCONNECTING CONDUIT AND WIRING BETWEEN FOOD SERVICE ROOM THERMOSTAT, LIQUID LINE SOLENOID VALVE, FAN DOOR SWITCH/RELAY, EVAPORATOR COIL DRAIN LINE HEAT TAPE AND COMPRESSOR CONTROL PANEL.

10. DIVISION 26 TO FURNISH & INSTALL SHUNT TRIP TYPE BREAKER DISCONNECT TO FOOD SERVICE EQUIPMENT UNDERNEATH EXHAUST VENTILATOR. COORDINATE SHUNT TRIP BREAKER REQUIREMENTS WITH FOOD SERVICE EQUIPMENT CONTRACTOR.

11. DIVISION 26 TO FURNISH & INSTALL ALL INTERCONNECTING CONDUIT AND WIRING BETWEEN FOOD SERVICE....
Refrigeration line connections required from ice machine #7 to remote air cooled condenser on roof. See mechanical drawings.
**Disclaimer Note**

This drawing is intended to provide information to be included on the equipment schedule. It is not intended and should not be used for construction.

**Equipment Schedule**

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<td>15</td>
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<td>Work Table, Mobile A Custom Fabricated</td>
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<td>16</td>
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<td>Water Filter A PENTAIR EV929321</td>
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<td>Exhaust Hood with Make-Up Air A CaptiveAire 5424</td>
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<td>Wall Mount Hand Sink A Krowne Metal HS-7</td>
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<td>Floor Trough A IMC Teddy FT-1230-SG</td>
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**FOR REFERENCE ONLY**

Winter Park Library and Event Center

Hunton Brady Architects
Adjaye Associates
ROUGH WATER PRESSURE IN FOOD, SERVICE AND BEVERAGES AREAS SHOULD BE 50 PSIG (344,750 N/M²) MAXIMUM.

DIVISION 22 SHALL INSTALL & CONNECT ALL FAUCETS AND DRAINS FURNISHED WITH FOOD SERVICE AND BEVERAGE EQUIPMENT.

DIVISION 22 SHALL FURNISH & INSTALL ALL INDIRECT WASTE LINES FROM FOOD SERVICE AND BEVERAGE EQUIPMENT.

DIVISION 22 SHALL FURNISH AND INSTALL ALL NECESSARY VALVES, TRAPS, TAIL PIECES, LINE STRAINERS, AND WATER FILTER SYSTEMS PROVIDED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR.

FOOD SERVICE EQUIPMENT CONTRACTOR SHALL FURNISH & INSTALL FIRE SUPPRESSION SYSTEM. FSE CONTRACTOR TO PROVIDE, DIVISION 22 TO INSTALL, FLEXIBLE CONNECTORS TO SUPPLY WATER TO FIRE FIGHTING DEVICES.

PLUMBING PLANS SHOWS ROUGH WATER HEAT EXCHANGE SYSTEMS TO BE LOCATED AND SPECIFIED BY THE PLUMBING ENGINEER. THIS IS NOT IN CONTRACT.

DIVISION 22 SHALL INSTALL WATER FILTER SYSTEMS PROVIDED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR.

GENERAL PURPOSE AREA DRAINS SHALL BE LOCATED AND SPECIFIED BY THE PLUMBING ENGINEER. THIS IS NOT IN CONTRACT.

12.11. PLUMBING PLANS SHOWS ROUGH WATER HEAT EXCHANGE SYSTEMS TO BE LOCATED AND SPECIFIED BY THE PLUMBING ENGINEER. THIS IS NOT IN CONTRACT.

ELECTRICAL CONNECTIONS ARE AS INDICATED, GROUND TYPE, HORIZONTAL MOUNT. CONDUIT RUNS INDICATED FOR REFRIGERATION, DRINK AND LIQUOR SYSTEM LINES SHALL BE FURNISHED; REFER TO BUILDING WORKS PLAN FOR ROUTING AND DETAILS.

6. FOOD SERVICE EQUIPMENT CONTRACTOR SHALL FURNISH & INSTALL VAPOR PROOF VENTILATOR LIGHTS COMPLETE WITH LAMPS - INTERCONNECTING CONDUIT, WIRING AND WALL SWITCH FURNISHED AND INSTALLED.

8. ADDITIONAL CONVENIENCE RECEPTACLES, TELEPHONE AND INTERCOM JACKS SHALL BE LOCATED BY THE PLUMBING ENGINEER. ELECTRICAL WORK FOR FABRICATED EQUIPMENT ITEMS SHALL BE PRODUCED BY THE FSE CONTRACTOR.


15. DIVISION 26 TO FURNISH & INSTALL SHUNT TRIP TYPE BREAKER DISCONNECT TO FOODSERVICE & BEVERAGE EQUIPMENT REQUIRING GAS, WATER & STEAM CONNECTIONS. REFER TO MANUAL IN FOR DISCHARGE LINE HEAT TAPE AND COMPRESSOR CONTROL PANEL.

10.22.19 CONSTRUCTION DOCUMENTS
EQUIPMENT SHALL BE PROVIDED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR
## EXHAUST FAN INFORMATION -

<table>
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<tr>
<th>WEIGHT</th>
<th>UNIT</th>
<th>TAG FAN UNIT MODEL #</th>
<th>CFM</th>
<th>ESP.</th>
<th>RPM</th>
<th>H.P.</th>
<th>B.H.P.</th>
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## ACCORDANCE DETAILS

- No. 96

## MIN. WIRE UNIT TAG

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<th>CONDENSER NO.</th>
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<th>RLA</th>
<th>MAX. FUSE</th>
<th>SIZE</th>
<th>SEER</th>
</tr>
</thead>
</table>

## GAS FIRED MAKE-UP AIR

- www.captiveaire.com

## GAS COOLING COIL

- COOLING COIL

## TOTAL ENTERING DB TEMP.

- 31 deg F

## PRESSURE GAUGE

- -5 TO +15 INCHES WC.

## SEPARATE 120VAC WIRING PACKAGE FOR MAKE-UP AIR UNITS

- OPTION MUST BE SELECTED WHEN MOUNTING VFD IN PREWIRE PANEL OR WITH DCV PACKAGE.

## BI18 - 24" DISCHARGE EXTENSION

- BI18 - 24" DISCHARGE EXTENSION.

## SUPPLY SIDE HEATER INFORMATION:

- GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE

## GENERAL CONSTRUCTION:

- Profile plates shall be formed from G90 galvanized steel.

## FEATURES:

- UL705
- UL762 AND ULC-S645 (RESTAURANT MODEL)
- HIGH HEAT OPERATION DIRECT DRIVE 350°F (176°C)
- HIGH HEAT OPERATION BELT DRIVE 350°F (176°C)
- GREASE CLASSIFICATION TESTING
- SCROLL ACCESS DOOR

## OPTIONS

- FLANGE 1 1/4" - 11 THRU 20.
- FLANGE 2" - 24 THRU 36.

## NOTES

- Use only low profile couplings
- Add clean out as shown
- GREASE CLASSIFICATION TESTING
- SCROLL ACCESS DOOR
- FLANGE 1 1/4" - 11 THRU 20.
- FLANGE 2" - 24 THRU 36.

## GENERAL

- Direct fired burners shall have patented (US Patent No.: US6629523B2), self-adjusting profile
- Application:
- Certification:
- All profile plate assemblies shall be included in the DF unit's ETL listing and comply with combined (recirculating DF heaters).

## EQUIPMENT CURB

- MIN 14"

## LIFTING LUG

- 3/4" NPTпуб

## SHEET NO.

- 2

## FOR REFERENCE ONLY

- Winter Park Library and Event Center
CITY OF WINTER PARK
LIBRARY AND EVENTS CENTER
1050 W. MORSE BOULEVARD
WINTER PARK, FLORIDA 32890
HUNTON BRADY PROJECT NO.E - 16078.00

LEGAL DESCRIPTION
A PORTION OF LAKE ISLAND ESTATES, AS RECORDED IN PLAT RECORDED IN ORANGE COUNTY, FLORIDA, BEING PARTICULARLY AS FOLLOWS:
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**CITY OF WINTER PARK**

**LIBRARY AND EVENTS CENTER**

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**HuntonBrady**

**Adjaye Associates**

**Architects P.A. All Rights Reserved.** 800 N. Magnolia Ave., Suite 600, Orlando, Florida 32803  (407) 839-0886  (407) 839-1709/Fax  [www.huntonbrady.com](http://www.huntonbrady.com)  License AAC001744
COMMISSIONING NOTES

GENERAL NOTES FOR KITCHEN HOODS, VENTILATION SYSTEM DUCTS AND EXHAUST EQUIPMENT

1. COMMERCIAL KITCHEN HOODS, GREASE DUCTS AND EXHAUST EQUIPMENT, MAKE-UP AIR AND FIRE SUPPRESSION SYSTEMS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND THE TERMS OF THE LISTING.


4. HOODS PENETRATING A CEILING: TYPE I HOODS OR PORTIONS THEREOF PENETRATING A CEILING, WALL OR FURRED SPACE SHALL BE LISTED FOR THE APPLICATION. EXHAUST FAN HOUSINGS SERVING A TYPE I HOOD SHALL BE CONSTRUCTED AS REQUIRED FOR THE APPLICATION.

GREASE EXHAUST SHALL BE PROVIDED BY THE MANUFACTURER.

RETURN GRILLE TRANSFER BOOT. PROVIDE RATED GREASE DUCT ACCESS DOOR.

MAINTAIN REQUIRED LENGTH FOR INTEGRAL SILENCER. COORDINATE LOCATION TO

KEYNOTES:

3. PROVIDE ACCESS PANEL ON GREASE EXHAUST AT EACH

SECONDARY LOCATION FOR HUB DRAIN LOCATIONS.

4. PROVIDE RATED GREASE DUCT ACCESS DOOR.

5. PROVIDE ACCESS PANEL ON GREASE EXHAUST AT EACH

NORTH SIDE OF AREA 2.
ROUTE REFRIGERANT TO CRAC - 1 IN ARCHIVES ROOM ON LEVEL 1. PROVIDE 3/4" SUCTION LINE AND 3/8" LIQUID LINE.
PROVIDE ACOUSTICAL CURB AND SILENCERS TO SUPPLY AND RETURN DUCTWORK AT THE AIR HANDLING UNIT. SEE DETAIL 4 ON M703 AND THE DUCT SILENCER SCHEDULE ON M802.

DRYER EXHAUST DUCT UP FROM 2ND LEVEL. PROVIDE GOOSENECK ON ROOF. SEE DETAIL 5 ON M703.

ROUTE EXHAUST DUCTWORK DOWN TO ELECTRICAL ROOM M1.111.

ROUTE EXHAUST DUCTWORK DOWN TO ELECTRICAL ROOM M1.137.

ROUTE EXHAUST DUCTWORK DOWN TO ELEVATOR EQUIPMENT ROOM IN BASEMENT.

MAINTAIN A MINIMUM OF 10'-0" BETWEEN EXHAUST FAN DISCHARGE AND ANY OUTSIDE AIR INTAKE.

ROOFTOP PIPE CHANNEL SUPPORT EQUAL TO CLEARLINE TECHNOLOGIES C-PORT C-SERIES WITH 14 GAUGE GALVANIZED ALUMINUM CHANNEL.

MECHANICAL CONTRACTOR TO REDUCE, EXTEND AND CONNECT CONDENSATE DRAIN TO ROOFTOP UNIT. 1/4" CONDENSATE DRAIN TO TERMINATE IN PRIMARY ROOF DRAIN.

REFRIGERANT PIPING DOWN THROUGH ROOF. PROVIDE PIPE PORTAL. REFERENCE DETAIL 12/M703.

PROVIDE ROOFTOP EQUIPMENT SUPPORT. REFER TO DETAIL 1/M702. CLEARANCE BELOW ELEVATED EQUIPMENT SHALL COMPLY WITH FLORIDA BUILDING CODE BUILDING TABLE 1510.10.

ROUTE EXHAUST DUCTWORK DOWN TO ELEVATOR MACHINE ROOM ON 1ST LEVEL.

3/8" RL AND 5/8" RS PIPING DOWN TO SSAC-1.
CONDENSATE DRAIN LINE. EXTEND & REFURBISHABLE COOLING COIL

SPECIFICATIONS FOR INSTALLATION REQUIREMENTS.

4. FABRICATION AND ARRANGEMENT DETAILS: DETAIL ATTACHMENTS OF RESTRAINTS TO THE RESTRAINED

MPH, ACTING NORMAL TO THE BUILDING FACE. DESIGN ROOF- AND GROUND-MOUNTED MECHANICAL

FOR APPROVAL (TESTS OR CALCULATIONS).

EQUIPMENT UNIT, IDENTIFYING CENTER OF GRAVITY AND LOCATION AND DESCRIPTION OF MOUNTING AND

NOTES:

TWO PIECE PIPE CLAMP

CONDENSATE OVERFLOW

ANCHOR TO ROOF

CONDENSING UNIT PLUS 2" ON WIDTH TO MATCH

FLOOR

CONDENSING UNIT TO UNIT START UP.

NOTE: MANUALLY FILL TRAP PRIOR

ELBOW

CP-2 & CP-3 WITH 1/2 GAL. TANK

1" CONDENSATE FROM INSTALL S.D. IN LOCATION ACCESSIBLE WITH

MANUAL OPPOSED

36" MIN.

RTU

W-SS

Flex Connector

Curb Structure

Acoustic element

BY DIV. 16

SERVICE RECEPTACLE

CONTROLS PACKAGE

AIRFLOW SENSOR

STRAIGHT SECTION OF METAL INLET DUCT IN SIZE

AND NO GREATER THAN 750 FPM. COORDINATE

SHEET METAL DUCTWORK

THREADED ROD HANGER W/ SPRING

EXTERNAL INSULATION

117033

LIBRARY AND EVENT CENTER

No Scale

PRESSURE INDEPENDENT

1.

AUTHORITIES HAVING JURISDICTION, SHOWING MAXIMUM RATINGS OF RESTRAINT ITEMS AND THE BASIS

CONNECTION POINTS TO THE BUILDING STRUCTURE.

RESTRAINTS. INCLUDE CALCULATIONS OF COMBINED TENSILE AND SHEAR LOADS. PROVIDE REACTIONS AT

6. WIND RESTRAINT QUALIFICATION CERTIFICATES: PROVIDE, FROM THE MANUFACTURER, FOR ALL ROOF-

SIMILAR)

WHERE SHOWN ON ROOF PLAN.

BIRD SCREEN

INSULATED

ANCHORS SHALL NOT

MORE THAN 3/4".

7.

Piping shall be sloped toward the condensing units.

2.

1-1/4" WATER SOLDERED SEAMS. PROVIDE HOOD

GALV. SHEET METAL HOOD WITH

SOLDERED CONNECTIONS TO THE BUILDING STRUCTURE.

FORMS AN INTEGRAL PART OF THE CODING UNIT.

3.

FABRICATE TO RESIST THE EFFECTS OF WIND. WIND LOADS SHALL BE BASED ON A WIND SPEED OF

INDICATED.

4.

(3" OF AREA

PATHS AND ACOUSTIC ELEMENT CONFIGURATIONS. OTHER

NOTE: SECTION 1 SHOWS A POSSIBLE CONFIGURATION FOR AIRFLOW

1-5/8", 16 GA. SPOT

1-1/4" WELDED CHANNELS BACK

TAPERED INSULATION

INLET COLLAR, ROUND OR OVAL. SEE SCHEDULE FOR

DIAMETER

INLET COLLAR, ROUND OR OVAL. MAINTAIN NECESSARY

SHARP ENDS OF AREA.

RTU Base

MAINTAIN NECESSARY

5.

SUPPORT STRAP HANGERS, SECURE

HOUSEKEEPING PAD.

6.

STATURAL FRAMING

PREDIAMETER PIPING

FOR PIPING EXITING ON TWO SIDES

DISCONNECT AND

SPOT WELDED

WHERE REQUIRED

J-BOX

CONDUIT AND WIRE

TYPICAL REFRIGERANT PIPING ROOF CAP DETAIL

DRAW-THRU AHU CONDENSATE DETAIL

ROOFTOP UNIT INSTALLATION DETAIL

VARIABLE VOLUME TERMINAL W/ ELECTRIC HEAT

VARIABLE VOLUME TERMINAL NO HEATER

SPLIT DUCTLESS UNIT SUPPORT DETAIL

NOISE CONTROL CURBS (NCC-VCR) TYPICAL DETAIL

FAN POWERED TERMINAL UNIT W/ ELECTRIC HEAT

REFRIGERANT PIPING DIAGRAM

CONDENSATE REMOVAL PUMP DETAIL

RECTANGULAR GOOSENECK

TYPICAL REFRIGERANT PIPING ROOF CAP DETAIL

SHEET METAL DUCTWORK W/

CONCRETE ROOF SLAB

CURB DETAIL

OUTSIDE AIRHOOD

ELECTRICAL

CONNECTOR

DISCONNECT AND

METERING ORIFICE OR

METERING ORIFICE OR

CONCRETE ROOF DECK

ANCHORED TO ROOF DECK.
**IF VAV UNITS MUST BE INSTALLED OVER SPACES WITH NC RATINGS OF 35, PROVIDE A GYPSUM BOARD CEILING OPEN OFF.**

<table>
<thead>
<tr>
<th>PRIVATE CARREL</th>
<th>CONFERENCE ROOM (IF NOT USED FOR TELECONFERENCING)</th>
<th>LOBBIES, CORRIDOR, CAFE, AND BOOKSTORE</th>
<th>MEETING ROOM</th>
<th>STAFF BREAKROOM</th>
<th>AUDIO ROOM</th>
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<tbody>
<tr>
<td>NC 25*</td>
<td>NC 35</td>
<td>NC 40</td>
<td>NC 25</td>
<td>NC 30</td>
<td>NC 25</td>
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**RECOMMENDED SILENCER AND DUCT LENGTHS FOR ROOMS WITH BACKGROUND NOISE LEVELS FROM NC 25 TO 40:**

<table>
<thead>
<tr>
<th>Duct Location</th>
<th>Recommended Silencer Length</th>
<th>Typical Duct Velocities</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>11' TO 20'</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Duct Location</th>
<th>Recommended Silencer Length</th>
<th>Typical Duct Velocities</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>6' TO 8'</td>
</tr>
</tbody>
</table>

<table>
<thead>
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<th>Duct Location</th>
<th>Recommended Silencer Length</th>
<th>Typical Duct Velocities</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>3' TO 7'</td>
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**NC LEVELS FOR LIBRARY/EVENTS CENTER SPACES**

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<thead>
<tr>
<th>NC Level</th>
<th>Valve Size</th>
<th>Material</th>
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<tr>
<td>NC 25</td>
<td>1-1/2</td>
<td>Galvanized Steel</td>
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<tr>
<td>NC 30</td>
<td>2-1/2</td>
<td>Aluminum</td>
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**TYPICAL VELOCITY AT A GIVEN DISTANCE TO TAKE-OFF**

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<tr>
<th>Distance</th>
<th>Velocity</th>
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<tr>
<td>10 FT</td>
<td>40 FPM</td>
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<tr>
<td>20 FT</td>
<td>30 FPM</td>
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<tr>
<td>30 FT</td>
<td>25 FPM</td>
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<td>40 FT</td>
<td>20 FPM</td>
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<tr>
<td>50 FT</td>
<td>15 FPM</td>
</tr>
<tr>
<td>60 FT</td>
<td>10 FPM</td>
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**RECOMMENDED SILENCER AND DUCT LENGTHS**

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<thead>
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<th>Recommended Silencer Length</th>
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<tr>
<td></td>
<td></td>
<td>600 / 700 FPM</td>
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</tbody>
</table>

<table>
<thead>
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<th>Recommended Silencer Length</th>
<th>Typical Duct Velocities</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>425 / 500 FPM</td>
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</tbody>
</table>

<table>
<thead>
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<th>Recommended Silencer Length</th>
<th>Typical Duct Velocities</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>350 / 425 FPM</td>
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</tbody>
</table>

<table>
<thead>
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<th>Duct Location</th>
<th>Recommended Silencer Length</th>
<th>Typical Duct Velocities</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>250 / 350 FPM</td>
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**TYPICAL DUCT VELOCITIES**

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<th>Duct Location</th>
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<tbody>
<tr>
<td></td>
<td>5 FT TO 7 FT</td>
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<td></td>
<td>6 FT TO 8 FT</td>
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<tr>
<td></td>
<td>9 FT TO 10 FT</td>
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</table>

<table>
<thead>
<tr>
<th>Duct Location</th>
<th>Recommended Velocities</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3 FT TO 5 FT</td>
</tr>
<tr>
<td></td>
<td>6 FT TO 8 FT</td>
</tr>
<tr>
<td></td>
<td>9 FT TO 10 FT</td>
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</table>

<table>
<thead>
<tr>
<th>Duct Location</th>
<th>Recommended Velocities</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6 FT TO 8 FT</td>
</tr>
<tr>
<td></td>
<td>9 FT TO 10 FT</td>
</tr>
<tr>
<td></td>
<td>11 FT TO 12 FT</td>
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</tbody>
</table>

**Note:** The values in the table are recommended by the acoustical consultant.
RTU-6 AND RTU-7 COMPONENT DIAGRAM

Front View

Side View

Bottom View

CITY OF WINTER PARK
LIBRARY AND EVENT CENTER
### AIR HANDLING UNIT SCHEDULE

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Energy Recovery Filters</th>
<th>Electrical Weight (LB)</th>
<th>Octave Band Center Frequency (HZ)</th>
<th>Standard Radiated Sound Power (W)</th>
<th>Approximate Distance to Ground (FT)</th>
<th>Purchase Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>M801</td>
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<td></td>
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</tbody>
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### AIR HANDLING UNIT SCHEDULE CONTINUED

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Energy Recovery Filters</th>
<th>Electrical Weight (LB)</th>
<th>Octave Band Center Frequency (HZ)</th>
<th>Standard Radiated Sound Power (W)</th>
<th>Approximate Distance to Ground (FT)</th>
<th>Purchase Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>M801</td>
<td></td>
<td></td>
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</table>

### ROOFTOP UNIT CURB SCHEDULE

<table>
<thead>
<tr>
<th>Unit</th>
<th>Model</th>
<th>Type</th>
<th>Energy Recovery Filters</th>
<th>Electrical Weight (LB)</th>
<th>Octave Band Center Frequency (HZ)</th>
<th>Standard Radiated Sound Power (W)</th>
<th>Approximate Distance to Ground (FT)</th>
<th>Purchase Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTU1-S</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</table>

### MAKE-UP AIR HANDLING UNIT SCHEDULE

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Energy Recovery Filters</th>
<th>Electrical Weight (LB)</th>
<th>Octave Band Center Frequency (HZ)</th>
<th>Standard Radiated Sound Power (W)</th>
<th>Approximate Distance to Ground (FT)</th>
<th>Purchase Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>M801</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2. AIR DISTRIBUTION DEVICES LOCATED IN SMALL ROOMS WHERE FULL 24x24 LAY-IN GRID SPACE IS NOT AVAILABLE SHALL

3. BRANCH DUCTWORK SHALL BE RAN FULL SIZE OF DIFFUSER/GRILLE NECK SIZE UNLESS OTHERWISE NOTED.

---

<table>
<thead>
<tr>
<th>CFM/FT</th>
<th>SLOTS</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>826-1120</td>
<td>0-530</td>
<td>36x18</td>
</tr>
<tr>
<td>1121-1450</td>
<td>181-275</td>
<td>18x8</td>
</tr>
<tr>
<td>1381-2140</td>
<td>281-385</td>
<td>8x6</td>
</tr>
</tbody>
</table>

**NOTE:** MARK CFM, MARK CFM/FT SLOTS, and PLAN MARK BASIS OF DESIGN.

---

**AIR DISTRIBUTION SCHEDULE**

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS AND ADDITIONAL REQUIREMENTS.

2. UNITS SHALL BE PRESSURED AND CONDITIONED WITH AMF FRAME.

3. UNITS SHALL BE PRESSURED AND CONDITIONED TO MEET THE SCHEDULED ACOUSTICAL PERFORMANCE.

---

**MECHANICAL SCHEDULES**

---

**FAN SCHEDULE**

---

**VAV UNIT SCHEDULE**

---

**SINGLE DUCT VAV TERMINAL UNIT SCHEDULE (ELECTRIC HEAT)**

---

**UNIT HEATER SCHEDULE (ELECTRIC HEAT)**

---

**PARALLEL FAN-POWERED TERMINAL UNIT SCHEDULE (ELECTRIC HEAT)**

---

**CONSTANT VOLUME TERMINAL UNIT SCHEDULE (ELECTRIC HEAT)**

---

**NOTES:**

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS AND ADDITIONAL REQUIREMENTS.

2. UNITS SHALL BE PRESSURE-610 & EXHAUST, SIZE PER SCHEDULE FOR

---

**MATERIAL:** ALUMINUM

---

**COLOR:** WHITE

---

**ADJUSTABLE PATTERN CONTROLLER**

---

**AND PRICE RETURN AIR SIGHT BAFFLE FOR**

---

**OPPOSED BLADE DAMPER:** NO

---

**SPACING, FRONT BLADES PARALLEL**

---

**SIDE DUCTS**

---

**FOR LAY-IN MOUNTING.**

---

**AIR DISTRIBUTION DEVICES LOCATED WITHIN GYPSUM BOARD CEILINGS OR WALLS SHALL BE**

---

**NOTES:**

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS AND ADDITIONAL REQUIREMENTS.

2. UNITS SHALL BE PRESSURE-635 & EXHAUST, SIZE PER SCHEDULE FOR
NOTES:
1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS AND ADDITIONAL REQUIREMENTS.
2. PROVIDE ONE (1) SET OF MECHANICAL SCHEDULES.
3. PROVIDE MECHANICAL SCHEDULES TO MATCH ARCHIVES FAN COIL UNIT SCHEDULE.
4. PROVIDE DRAIN PAN TIED INTO THE FAN SHUTDOWN FOR SECONDARY CONDENSATE DRAINAGE SYSTEM.
5. PROVIDE HOT GAS RE-HEAT FOR CRAC-1.

ARCHIVES FAN COIL UNIT SCHEDULE

<table>
<thead>
<tr>
<th>Model</th>
<th>Make</th>
<th>Cooling Data</th>
<th>Electrical Data</th>
<th>Refrigerant Mfr.</th>
<th>Model</th>
<th>Total HP</th>
<th>Gal. Per Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRCU-1</td>
<td>CRAC-1</td>
<td>22724.6</td>
<td>19.6</td>
<td>94</td>
<td>19</td>
<td>25208/1 R-410A</td>
<td></td>
</tr>
<tr>
<td>CRCU-2</td>
<td>CRAC-2</td>
<td>17043.4</td>
<td>18.5</td>
<td>94</td>
<td>11</td>
<td>208/1 R-410A</td>
<td></td>
</tr>
</tbody>
</table>

NOTES:
1. PROVIDE WITH MINIMUM 6 FOOT GROUNDED 3-PRONG PLUG.
2. PROVIDE WITH OVERFLOW DETECTION SWITCH.
3. PROVIDE WITH MINIMUM 3 YEAR WARRANTY.
4. CONDENSATE PUMP SHALL HAVE AUTOMATIC START AND STOP OPERATION.
5. PROVIDE WITH STAINLESS STEEL MOTOR SHAFT.

CONDENSATING UNIT SCHEDULE

<table>
<thead>
<tr>
<th>Model</th>
<th>Make</th>
<th>Cooling Data</th>
<th>Electrical Data</th>
<th>Refrigerant Mfr.</th>
<th>Model</th>
<th>Total HP</th>
<th>Gal. Per Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSCU-1</td>
<td>SSAC-1</td>
<td>22724.6</td>
<td>19.6</td>
<td>94</td>
<td>19</td>
<td>25208/1 R-410A</td>
<td></td>
</tr>
<tr>
<td>SSCU-2</td>
<td>SSAC-2</td>
<td>17043.4</td>
<td>18.5</td>
<td>94</td>
<td>11</td>
<td>208/1 R-410A</td>
<td></td>
</tr>
</tbody>
</table>

NOTES:
1. PROVIDE WITH MINIMUM 6 FOOT GROUNDED 3-PRONG PLUG.
2. PROVIDE WITH OVERFLOW DETECTION SWITCH.
3. PROVIDE WITH MINIMUM 3 YEAR WARRANTY.
4. CONDENSATE PUMP SHALL HAVE AUTOMATIC START AND STOP OPERATION.
5. PROVIDE WITH STAINLESS STEEL MOTOR SHAFT.
26. All process variables and equipment shall have alarms and notification upon failure or non-standard operating.

25. All inputs and outputs shall be trended. Trend all analog inputs/outputs at 15-minute intervals (adj.).

11. Refer to Division 26 for electrical component product standards.

13. Panels to have locking doors and be keyed alike.

17. Review specifications for work requirements.

16. Coordinate interposing relay coil voltage and contacts to the application.

8. Single line diagrams, schematics, details and conduit paths are conceptual and illustrate the functional accommodate field conditions.

10. Conduit routings are shown diagrammatically. Provide any additional conduits as required to work scope division 23.

9. Outdoor conduit fittings, connections, junction boxes, panels and pull boxes are to be waterproof (NEMA).

5. Refer to general conditions of the specifications for restrictions on demolition and new construction.

24. Set-points, reset schedules and dead bands shall be user adjustable.

20. Emergency power to serve controls on equipment served by emergency power.

10. Conduit routings are shown diagrammatically. Provide any additional conduits as required to work scope division 23.

7. Prior to the start of work, field verify exact locations of mechanical and electrical equipment, field electrical and data conduits, wiring and other related items.

15. Coordinate shop drawings with other trades, indicating locations of light fixtures, cable trays, beams, electrical and data conduits, wiring and other related items.

120VAC/1PH/60~ with ground emergency generator.

Provide 120VAC conduit and wire not required to operate controls.

Provide workstations, hubs, printers, file servers, work-stations, hubs, printers, file servers, work-stations, hubs, printers.

Provide 120VAC conduit and wire not required to operate controls.

Provide switches.

Provide workstations, hubs, printers, file servers, work-stations, hubs, printers.

Provide switches.

Provide workstations, hubs, printers, file servers, work-stations, hubs, printers.

Provide switches.

Provide workstations, hubs, printers, file servers, work-stations, hubs, printers.

Provide switches.

Provide workstations, hubs, printers, file servers, work-stations, hubs, printers.

Provide switches.

Provide workstations, hubs, printers, file servers, work-stations, hubs, printers.

Provide switches.
### PLUMBING SYMBOLS

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<thead>
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<th>Symbol</th>
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<tr>
<td>WC</td>
<td>Water Closet</td>
</tr>
<tr>
<td>UR</td>
<td>Urinal</td>
</tr>
<tr>
<td>V</td>
<td>Vessel</td>
</tr>
<tr>
<td>P</td>
<td>Trap</td>
</tr>
<tr>
<td>S</td>
<td>Sanitary Fixture</td>
</tr>
<tr>
<td>F</td>
<td>Fixtures</td>
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<tr>
<td>D</td>
<td>Drains</td>
</tr>
<tr>
<td>C</td>
<td>Connection</td>
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<td>VV</td>
<td>Valve</td>
</tr>
<tr>
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<td>S</td>
<td>Size</td>
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### PLUMBING ABBREVIATIONS

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<th>Description</th>
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<tbody>
<tr>
<td>WS</td>
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</tr>
<tr>
<td>VS</td>
<td>Water Valve</td>
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<tr>
<td>WC</td>
<td>Water Closet</td>
</tr>
<tr>
<td>UR</td>
<td>Urinal</td>
</tr>
<tr>
<td>V</td>
<td>Vessel</td>
</tr>
<tr>
<td>P</td>
<td>Trap</td>
</tr>
<tr>
<td>S</td>
<td>Sanitary Fixture</td>
</tr>
<tr>
<td>F</td>
<td>Fixtures</td>
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<td>Drains</td>
</tr>
<tr>
<td>C</td>
<td>Connection</td>
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<tr>
<td>VV</td>
<td>Valve</td>
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<tr>
<td>VS</td>
<td>Valve Stem</td>
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### PLUMBING GENERAL NOTES

1. Review the Architectural Drawings for Fixtures Locations and Mounting Heights.
2. EWH-1 LOCHINVAR HCW12 050 50 130 110 277

### PLUMBING SYMBOLS & LEGEND NOTES INDEX

### PLUMBING DRAWING INDEX

### CITY OF WINTER PARK

### Library and Events Center

### Hunton Brady

### Adjaye Associates

### PLUMBING SYMBOLS & LEGEND NOTES INDEX

### PLUMBING DRAWING INDEX

### CITY OF WINTER PARK

### Library and Events Center
THE CIRCUIT SOLVER IS A SELF SEAL VALVE THAT AUTOMATICALLY AND CONTINUOUSLY RESPONDS TO WATER TEMPERATURE FLUCTUATION TO CONTROL FLOW TO THE RETURN.

PROVIDE THERMOSTATIC BALANCING VALVE ON ALL INDIVIDUAL HOT WATER BRANCH LOOPS.

CIRCUIT SOLVER ASSEMBLY No. CSUA

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TO THE BEST OF THE STRUCTURAL ENGINEER’S

...
TO THE BEST OF THE STRUCTURAL ENGINEER'S

1. DURING AN INSPECTION, IF A DEFICIENCY IS OBSERVED AND HAS NOT BEEN CORRECTED PRIOR TO LEAVING THE DECK SHALL HAVE DEFORMATIONS TO PROVIDE ADEQUATE MECHANICAL INTERLOCKING

5. a. CHECK THAT CONDUITS PLACED IN THE SLAB ARE REASONABLY SPACED TO ENSURE INTEGRITY OF THE

6. COLUMNS: INSPECT REINFORCING STEEL AND OTHER EMBEDDED ITEMS. CHECK TIE SPACING.

PLACE PRIOR TO CONCRETE PLACEMENT.

5310 STEEL ROOF DECK:

MINIMUM TENSILE STRENGTH OF ELECTRODE MATERIAL, F

5124 SHEAR STUD CONNECTORS:

TO CARRY OUT HIS OWN QUALITY CONTROL INSPECTIONS AND TESTING. THIS PLAN INTENDS THAT ALL

1. CONFIRM THAT THE CONTRACTOR HAS OBTAINED APPROVED SHOP DRAWINGS FOR SPECIFIED ITEMS PRIOR TO

OF STANDARD PRACTICE FOR COLD

FORMED STEEL ENGINEERS INSTITUTE TECH NOTE 5606®

EXISTING FOOTINGS FOR ANY REASON, E.G. TO INSTALL UNDERGROUND UTILITIES AND PIPING, ETC.

UNLESS NOTED OTHERWISE ON THE DRAWINGS, GROOVE WELDS SHALL BE FULL

ENGINEERED STEEL STAIR SYSTEM AND CONNECTIONS OF SAME TO THIS STRUCTURE

INDIVIDUAL STUD.

MASONRY

IN A PATTERN AS INDICATED ON PLANS. FASTEN SIDE LAPS AS INDICATED ON PLANS.

INTERIOR DOORS.

REAPPLY MORTAR TO EXISTING FOOTINGS AND RENEW ALL BOLTS AND NUTS.

THE FOLLOWING.

IF THE SLUMP TEST DOES NOT MEET THE PROJECT'S REQUIREMENTS, THE CONCRETE IS SUBJECT TO REJECTION.

14. REVIEW THE TIME SEQUENCE OF FORM REMOVAL AND RE-SHORING PROCEDURES AND SCHEDULE FOR STRUCTURAL COMPONENTS OF THE BUILDING, NOR DOES IT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES

THE FOLLOWING.

RE-SHORING SHALL INSPECT IT FOR CONFORMANCE WITH THE PLANS SUBMITTED TO THE ENFORCING AGENCY

FORMED STEEL STRUCTURAL MEMBERS, THE AWWA MANUAL COLD

IF THE DRIVER'S LICENSE HAS BEEN SUSPENDED OR REVOKED, OR IF THE INSPECTOR IS NOT SATISFIED WITH THE STRUCTURAL MEMBERSHIP OF THE CONTRACTOR OR THE CONTRACTOR'S QUALITY CONTROL PROGRAM, THE INSPECTOR MAY SUSPEND OR REFUSE TO SIGN THE

THE INSPECTOR SHALL PERFORM site VISITS AT A FREQUENCY DETERMINED BY HIM TO SATISFY HIM

OF THE INSPECTOR TO PROVIDE ADEQUATE MECHANICAL INTEGRITY OF THE

PERIODIC CHECK of THE STRUCTURAL MEMBERSHIP OF THE CONTRACTOR OR THE CONTRACTOR'S QUALITY CONTROL PROGRAM, THE INSPECTOR MAY SUSPEND OR REFUSE TO SIGN THE

THE INSPECTOR SHALL PERFORM site VISITS AT A FREQUENCY DETERMINED BY HIM TO SATISFY HIM

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INTERNAL PRESSURE COEFFICIENT FOR PARTIALLY ENCLOSED STRUCTURE EQUALS +/- 0.55

ULTIMATE C&C WIND PRESSURES (ASCE 7-16)

1. WIND PRESSURE TABLE IS BASED ON FBC 2017/ASCE 7-10 ULTIMATE WIND SPEED. PRESSURES SHOWN ABOVE AND BELOW CENTERLINE TO AND INCLUDING PRESSURED.

2. INTERNAL PRESSURE COEFFICIENTS FOR WALLS AND ROOFING, DECKING, EAVES, ROOF EDGES/DECK IS FOR DESIGN IN WIND SOLUTION.

3. INTERNAL PRESSURE COEFFICIENTS FOR ROOF DECKING, EAVES, ROOF EDGES/DECK IS FOR DESIGN IN WIND SOLUTION.

4. INTERNAL PRESSURE COEFFICIENTS FOR ROOF DECKING, EAVES, ROOF EDGES/DECK IS FOR DESIGN IN WIND SOLUTION.

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17. INTERNAL PRESSURE COEFFICIENTS FOR ROOF DECKING, EAVES, ROOF EDGES/DECK IS FOR DESIGN IN WIND SOLUTION.

18. INTERNAL PRESSURE COEFFICIENTS FOR ROOF DECKING, EAVES, ROOF EDGES/DECK IS FOR DESIGN IN WIND SOLUTION.
1. REFER TO THE GENERAL STRUCTURAL NOTES FOR SPECIFICATIONS AND OTHER INFORMATION. CONTRAST COLOR SHADING TO IDENTIFY SPECIFICATIONS.

2. REFER TO THE GENERAL STRUCTURAL NOTES AND REQUIREMENTS FOR STRUCTURAL SYSTEMS AND CONSTRUCTION IN.ADDITION TO MANUFACTURER'S DRAWINGS.

3. TYPICAL DETAIL SHOWN ARE APPLICABLE TO HEAVY CONSTRUCTION AND ARE SUITABLE FOR USE WHERE THERE IS NO RISK OF CORROSION.

4. COORDINATES ARE INDICATED ON THE ROOF FRAMING PLAN. ALL MARKERS SHALL BE SHOWN ON THE DETAIL.

5. TYPICAL SECTIONS SHOWN ARE APPLICABLE TO THE DETAIL. SECTIONS SHOWN ON THE DETAIL SHALL BE CONSTRUCTED PER THE "TYPICAL SECTION" SHOWN.

6. UNDERSIDE OF METAL DECK (U.M.D.) EXISTING CONSTRUCTION AS IT RELATES TO THE INTENDED SPAN.

7. TRANSITION. SEE DETAIL X/SXXX.

8. SYMBOLS ON PLAN FOR THE INTENDED SPAN.

9. DROP TUBES, TRAPS, CONNECTIONS SHOWN ON THE DETAIL, ARE NOT CONSTRUCTED AS SHOWN.

10. UNDERSIDE OF METAL DECK (U.M.D.) EXISTING CONSTRUCTION AS IT RELATES TO THE INTENDED SPAN.

11. COORDINATE FINAL SIZE AND LOCATION OF OPENINGS IN METAL DECK PER ARCHITECTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR THE INTENDED SPAN. ALL MARKERS SHALL BE SHOWN ON THE DETAIL.

12. DASHED LINE ADJACENT TO FRAMING MARKS ARE NOT SHOWN.

13. THIS PLAN, BOTH BY THE "TYPICAL SECTION" SHOWN.

14. THE DETAIL. FOR OPENINGS IN METAL ROOF DECK PER ARCHITECTURAL AND INSTRUCTIONS SHOWN.

15. THIS PLAN, BOTH BY THE "TYPICAL SECTION" SHOWN.

16. THE DETAIL. FOR OPENINGS IN METAL ROOF DECK PER ARCHITECTURAL AND INSTRUCTIONS SHOWN.

17. THIS PLAN, BOTH BY THE "TYPICAL SECTION" SHOWN.

18. THE DETAIL. FOR OPENINGS IN METAL ROOF DECK PER ARCHITECTURAL AND INSTRUCTIONS SHOWN.

19. THIS PLAN, BOTH BY THE "TYPICAL SECTION" SHOWN.

20. THE DETAIL. FOR OPENINGS IN METAL ROOF DECK PER ARCHITECTURAL AND INSTRUCTIONS SHOWN.
10'-0" CONCRETE SLAB REINFORCED WITH #5 @ 10" OC

EPOXY COATED BARS TOP AND BOTTOM EA WAY.

PARTIAL PLAN AT CONCRETE JETTY

SCREEN WALL FRAMING PLAN - LIBRARY

ADDL' #5 @ 10" T x 20'

ADD'L #5 @ 10" T x 15'

TO THE BEST OF THE STRUCTURAL ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM CODES AS REQUIRED.

KNOWLEDGED BY:

Hunton Brady Architects, P.A.

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Address: 255 S. Orange Avenue, Orlando, Florida 32803

TLC No.: S717

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

Sheets: 2

Drawing No.: S501

Sheet Date: 10.22.19

Scale: 1/8" = 1'-0"
1. CONTRACTOR SHALL PROVIDE (1) STUD PER RIB WHERE METAL DECK CROSSES COMPOSITE BEAMS. SHEAR STUDS REQUIRED EXCEEDS NUMBER OF RIBS, TWO STUDS PER RIB ARE REQUIRED.

2. CONTRACTOR SHALL PROVIDE, PLACED FROM ENDS AS SHOWN.

3. STUDS EQUALLY SPACED 5 1/3" OC.

4. SHEAR STUDS TYP.

5. SHEAR STUD CONNECTORS SHALL BE LOCATED CLEANER THAN 1/2" FROM THE DECK FLUTE DEPTH.

6. SHEAR STUD CONNECTORS SHALL BE LOCATED CLEANER THAN 1/2" FROM THE DECK FLUTE DEPTH.

7. SHEAR STUD CONNECTORS SHALL BE LOCATED CLEANER THAN 1/2" FROM THE DECK FLUTE DEPTH.

8. SHEAR STUD CONNECTORS SHALL BE LOCATED CLEANER THAN 1/2" FROM THE DECK FLUTE DEPTH.

9. DECK PLATE TO ATTACH SLAB EDGE TO STEEL BM.

10. DECK PLATE TO ATTACH SLAB EDGE TO STEEL BM.

11. DECK PLATE TO ATTACH SLAB EDGE TO STEEL BM.

12. DECK PLATE TO ATTACH SLAB EDGE TO STEEL BM.

13. DECK PLATE TO ATTACH SLAB EDGE TO STEEL BM.

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17. DECK PLATE TO ATTACH SLAB EDGE TO STEEL BM.

18. DECK PLATE TO ATTACH SLAB EDGE TO STEEL BM.

19. DECK PLATE TO ATTACH SLAB EDGE TO STEEL BM.

20. DECK PLATE TO ATTACH SLAB EDGE TO STEEL BM.
Event Center Framing Section

Event Center Framing Section @ Portal

Bent Column Event Center (BCE-X)

Reinforced Concrete Curb Detail

Sloped Column at Foundation Detail
KEYED NOTES

1. PROVIDE (1) 1" CONDUIT WITH PULLSTRING TO BE USED FOR DATA CABLING. STUB CONDUIT(S) BELOW FLOOR TO NEAREST ACCESSIBLE J-HOOK. 2 PROVIDE DATA AND COAX CABLE IN SINGLE FACEPLATE BEHIND TV. 3 PROVIDE DATA OUTLET FOR A/V KEYPAD. 4 PROVIDE DATA OUTLET FOR A/V KEYPAD.

GENERAL NOTES:

PRIMARY PATHWAY FOR HORIZONTAL CAT6 CABLE AND OTHER LOW VOLTAGE CABLE IS J-HOOKS. PAGING AND AV CABLES SHALL BE IN SEPERATE J-HOOK SYSTEM FROM DATA CABLES. 5 FOOT IS THE MAX SPACING FOR J-HOOKS. VARY THE SPACING FROM 3 FEET TO 5 FEET. PROVIDE (2) J-HOOKS AT EVERY TURN GREATER THAN 45 DEGREES.
KEYED NOTES

1 PROVIDE (1) 1" CONDUIT WITH PULLSTRING TO BE USED FOR DATA CABLING. STUB CONDUIT(S) BELOW FLOOR TO NEAREST ACCESSIBLE BOX. TERMINATE IN BISCUIT JACK. LOCATE DATA OUTLET IN FLAT PANEL WALL BOX BEHIND DISPLAY.

GENERAL NOTES:

1. PRIMARY PATHWAY FOR HORIZONTAL CAT6 CABLE AND OTHER LOW VOLTAGE CABLE IS J-HOOKS. PAGING AND AV CABLES SHALL BE IN SEPERATE J-HOOK SYSTEM FROM DATA CABLES.
2. 5 FOOT IS THE MAX SPACING FOR J-HOOKS. VARY THE SPACING FROM 3 FEET TO 5 FEET. PROVIDE (2) J-HOOKS AT EVERY TURN GREATER THAN 45 DEGREES.
KEYED NOTES

1 PROVIDE WIRELESS ACCESS POINT JUNCTION BOX ANTENNA, DESIGN SELECTION: VENTEV TERRAWAVE DIRECTION WI-FI JUNCTION BOX ... IN BISCUIT JACK. 3 PROVIDE DATA AND COAX CABLE IN SINGLE FACEPLATE BEHIND TV. 4 PROVIDE DATA OUTLET FOR A/V KEYPAD.

GENERAL NOTES:

PRIMARY PATHWAY FOR HORIZONTAL CAT6 CABLE AND OTHER LOW VOLTAGE CABLE IS J-HOOKS. PAGING AND AV CABLES SHALL BE IN SEPERATE J-HOOK SYSTEM FROM DATA CABLES. 5 FOOT IS THE MAX SPACING FOR J-HOOKS. VARY THE SPACING FROM 3 FEET TO 5 FEET. PROVIDE (2) J-HOOKS AT EVERY TURN GREATER THAN 45 DEGREES.
KEYED NOTES

1 PROVIDE A/V KEYPAD. REFER TO A/V RISER DIAGRAMS FOR DESIGN SELECTION AND BUTTON ASSIGNMENT. PROVIDE A DOUBLE GANG BOX. PROVIDE A TV WALL MOUNT. PROVIDE TV OUTLET. REFER TO DETAIL 4 ON SHEET T702 FOR CONDUIT AND CABLING REQUIREMENT.

49" TV
56" AFF
KEYED NOTES

1. PROVIDE MOTORIZED SWITCH FOR PROJECTION SCREEN.
2. PROVIDE A/V TRANSMITTER BOX. MOUNT AT 18" AFF. REFER TO A/V RISER ... 48" AFF TO THE TOP OF THE BOX.
3. PROVIDE TV OUTLET. REFER TO DETAIL 4 ON SHEET T702 FOR CONDUIT AND CABLING REQUIREMENT.
KEYED NOTES

1. PROVIDE 18" LADDER RACK MOUNTED AT 8' A.F.F.
2. PROVIDE MINIMUM 8' HIGH, 3/4" THICK PLYWOOD BACKBOARD PAINTED WITH FIRE RESISTANT PAINT
3. PROVIDE CABINET MOUNTED CABLE MANAGEMENT PANEL
4. PROVIDE CABINET MOUNTED WAP PATCH PANEL
5. PROVIDE RACK MOUNTED PHONE PATCH PANEL
6. PROVIDE WALL MOUNTED INTRUSION DETECTION PANEL
(1) 4" Schedule 40 PVC Conduit

- To Pullbox Northwest of Library
- To Fiber Connection Point

(2) 2" Conduits to Roof for Distributed Antenna System
QSC CX-302V
200W
SPEAKER
8W
ZONE 2-1
REFER TO FLOOR PLAN FOR LOCATION, QUANTITIES, AND SPEAKER TYPES

REFER TO FLOOR PLAN FOR SPEAKER TYPES

ZONE 1-1
SPEAKER
8W

ZONE 1-2
SPEAKER
8W

ZONE 1-3
SPEAKER
8W

MICROPHONE IN (OFE)
PROVIDE VOIP SIP INPUT
BGM IN (OFE PC)
CRESTRON AUDIO
FROM EVENT CENTER
CRESTRON AUDIO
FROM LIBRARY

AV RISER - PAGING AND BGM

AV RISER - COLLABORATION
ROOM 1.250 / 1.229 / 1.231 / RESERVATION OFFICE 2.121
CRESTRON MPC3-302-B

CRESTRON DM-TX-200-C-2G-B-T

SPEAKER

CRESTRON AM-200 (CONNECT TO WIFI LAN)

MOUNTED IN A/V RACK

WIRELESS MOUSE & KEYBOARD

POWER OVER DM

SHURE SLX4

CRESTRON DMPS3-4K-350-C

CRESTRON DM-RMC-4KZ-SCALER-C

PANASONIC PT-MZ770

CRESTRON AMP-1200-70

MOUNTED IN MOBILE PODIUM

FLOOR BOX (CENTER STAGE)

FLOOR BOX (STAGE LEFT)

FLOOR BOX (STAGE RIGHT)

PROVIDE BUTTONS FOR SELECTION OF:
  • COMPUTER (OFE)
  • LAPTOP
  • BLURAY
  • WIRELESS
  • VOLUME ADJUSTMENT FOR SPEAKERS
  • SYSTEM ON/OFF (PROGRAM PROJECTOR SCREEN TO RAISE AND LOWER WITH SYSTEM ON/OFF)

PROVIDE BUTTONS FOR BLURAY CONTROL:
  • PLAY
  • PAUSE
  • STOP
  • FAST FORWARD
  • REWIND

PROVIDE WIRELESS KEYBOARD AND MOUSE

REFER TO FLOOR PLAN FOR LOCATION, QUANTITIES, AND SPEAKER TYPES

SCREEN INOVATIONS ZERO G WITH SLATE 1.2 MATERIAL

REFER TO FLOOR PLAN FOR SPEAKER TYPES
LOCATED IN A/V RACK

AM-200

CRESTRON AM-200

LOCATED IN A/V RACK

COMMUNITY ROOM

IMAGINATION ROOM

PROVIDE WIRELESS MOUSE & KEYBOARD

PROVIDE BUTTONS FOR SELECTION OF:

• COMPUTER (OFE)
• LAPTOP
• BLURAY
• WIRELESS
• VOLUME ADJUSTMENT FOR SPEAKERS
• SYSTEM ON/OFF (PROGRAM PROJECTOR SCREEN TO RAISE AND LOWER WITH SYSTEM ON/OFF)

PROVIDE BUTTONS FOR BLURAY CONTROL:

• PLAY
• PAUSE
• STOP
• FAST FORWARD
• REWIND

CRESTRON MPC3-302-B

PROVIDE WIRELESS MOUSE & KEYBOARD

CRESTRON MPC3-302-B

SHURE SLX4

SHURE SLX4

CRESTRON CP3

CRESTRON GLS-PART-CN

CRESTRON DM-MD8X8-CPU3

CRESTRON DM-RMC-4KZ-100-C

CRESTRON AMP-1200-70

CRESTRON AMP-1200-70

CRESTRON DSP-1280

PANASONIC PT-MZ770

PANASONIC PT-MZ770

CRESTRON DM TX-200-C-2G-B-T

SEE FLOOR PLANS FOR EXACT SPEAKER COUNT

SEE FLOOR PLANS FOR EXACT SPEAKER COUNT

SEE FLOOR PLANS FOR EXACT SPEAKER COUNT

SEE FLOOR PLANS FOR EXACT SPEAKER COUNT

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12" = 1'-0"

CITY OF WINTER PARK

LIBRARY AND EVENT CENTER

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12" = 1'-0"

CITY OF WINTER PARK

LIBRARY AND EVENT CENTER

12" = 1'-0"

CITY OF WINTER PARK

LIBRARY AND EVENT CENTER

12" = 1'-0"

CITY OF WINTER PARK

LIBRARY AND EVENT CENTER

12" = 1'-0"
1. NOTES:

ALL CONDUIT SHALL BE CONCEALED IN FINISHED AREAS.

CABLE TYPE AND SIZE MUST COMPLY WITH ALL ESTABLISHED REQUIREMENTS AND APPLICABLE CODES.

NOTES:

FINISHED FLOOR

6"

HARDWARE

1" CONDUIT TO ACCESS CONTROL

1" CONDUIT TO DOOR & DOOR FRAME

DOOR POSITION SWITCH

1/2" CONDUIT.

AND LOW VOLTAGE POWER

ELECTRIC HINGE

INSTALLER PER

FINISHED CEILING

FINISHED FLOOR

1. NOTES:

CABLE TYPE AND SIZE MUST COMPLY WITH ALL ESTABLISHED REQUIREMENTS AND APPLICABLE CODES.

NOTES:

FINISHED CEILING

A.F.F.

AWG. FOR CARD

REQUIRED PLACEMENT.

FOR CARD READER

2-CONDUCTOR 18 AWG.

MAGNETIC DOOR CONTACT SWITCH EMBEDDED IN DOOR & DOOR FRAME

POWER TRANSFER

FINISHED CEILING

MAGNETIC DOOR POSITION SWITCH (DPS)

REQUEST TO EXIT SWITCH

TLC No.:

SECURITY SINGLE DOOR

No Scale

MAGNETIC DOOR POSITION SWITCH (DPS)

5

MUD RING. REFERENCE

2-CONDUCTOR 18 AWG.

FINISHED FLOOR

255 S. Orange Avenue Suite 1600 Orlando, FL 32801 P 407.841.9050

DOOR HARDWARE SHOWN FOR GRAPHICAL ILLUSTRATION ONLY, REFERENCE DIVISION 8 HARDWARE

SCHEDULE AS NEEDED FOR ACTUAL HARDWARE SET.

CABLE TYPE AND SIZE MUST COMPLY WITH ALL ESTABLISHED REQUIREMENTS AND APPLICABLE CODES.

ALL CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED.

2. ALL CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED.

HARDWARE SCHEDULE AS NEEDED FOR ACTUAL HARDWARE SET.

DOOR HARDWARE SHOWN FOR GRAPHICAL ILLUSTRATION ONLY, REFERENCE DIVISION 8

SCHEDULE AS NEEDED FOR ACTUAL HARDWARE SET.

SECURITY DETAILS

CITY OF WINTER PARK

LIBRARY AND EVENT CENTER

Hunton Brady Architects P.A. All Rights Reserved. 800 N. Magnolia Ave., Suite 600, Orlando, Florida 32803  (407) 839-0886  (407) 839-1709/Fax  www.huntonbrady.com  License AAC001744
ACCESSIBLE CEILING SPACE

NEAREST WALL

PROVIDE BUSHING JUNCTION BOX (120V)

CONDUIT IN WALL

ROUTE CONDUITS IN SLAB AND UP INTO GATES

120 VAC POWER. COORDINATE WITH ELECTRICAL

NEMA 4X SECURE ENCLOSURE WITH 3PT LATCH DOOR

BACKPLANE TO IN-GROUND PULL BOX

120V SURGE PROTECTION MODULE.

EDCO HSP121BT-1 DIN RAIL MOUNTED INDUSTRIAL NETWORK SWITCH . ANTARIA LDP SERIES CAT6 PATCH CABLE TO CAMERA(S)

6 STRAND FIBER OPTIC CABLE

LOW VOLTAGE POWER SUPPLY NETWORK SURGE PROTECTION MODULE FOR EACH DEVICE.

EDCO CAT 5/6 POE NEMA 4X ENCLOSURE TO BE SIZED TO ACCOMMODATE REQUIRED ELECTRONICS.

BASIS OF DESIGN ESTIMATE 24”x20”x10”.

HOFFMAN A24H2010SSLP3PT CORNING FIBER CASSETTE.

TERMINATE ALL FIBER STRANDS ON FIBER PATCH PANEL.

DUPLEX POWER OUTLET DIN MOUNTED GROUND BAR

#6 AWG INSULATED GROUND CONDUCTOR IN 3/4” CONDUIT TO POLE GROUND ROD.

CATAGORIE 6 PATCH PANEL.

FIBER PATCH CABLE

4” x 4” J-BOX CONDUIT TO CABINET WALL POLE MOUNTED CAMERA NOTES INGROUND COMMUNICATIONS HANDHOLE.

SECURITY CAMERA ELECTRONICS ENCLOSURE. LOCKABLE NEMA 4X . REFERENCE DETAILS FOR REQUIREMENTS.

3/4” CONDUIT ROUTED UP POLE TO CAMERA FOR NETWORK CABLING.

NEW FIXED BULLET STYLE EXTERIOR CAMERA . POLE MOUNT TO BE SECURED TO POLE BY STAINLESS STEEL STRAPS.

SURFACED MOUNTED CONDUIT STUBBED UP FROM MANHOLE.

REFERENCE SITE PLAN FOR INTENDED VIEW FROM POLE MOUNTED CAMERA. ROUTE CONDUIT TO AVOID CONFLICT WITH ANY EXISTING SURFACE MOUNTED UTILITIES.

20’-0” 30-0” EMBED DEPTH AS REQUIRED FOR SITE SOIL CONDITIONS

4’-0” JUNCTION BOX AS REQUIRED FOR TRANSITION TO CAMERA.

SQUARE TAPERED CONCRETE POLE. REFERENCE SITE PLAN FOR LOCATIONS. USE LIGHT POLE IN OTHER LOCATIONS. POLE SIZE TO BE DETERMINED BY SOIL CONDITIONS TO ALLOW 30’ ABOVE GRADE.

AIR TERMINAL FOR LIGHTNING PROTECTION ENSURE PROPER GROUNDING 120V POWER TO CCTV ENCLOSURE CONDUIT ROUTED FROM UNDER ENCLOSURE UP POLE.