

GEN. SPECIAL SYSTEMS NOTES

- 1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
- 2. REFER TO LOW VOLTAGE RISER DIAGRAMS / DETAILS FOR WORK THAT MAY NOT BE SHOWN ON PLANS.
- 3. EXACT MECHANICAL EQUIPMENT LOCATIONS MAY NOT BE SHOWN FOR CLARITY. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR.
- 4. COORDINATE EXACT LOCATIONS OF CEILING MOUNT DEVICES WITH MECHANICAL EQUIPMENT, DUCTWORK, PIPING, HVAC DIFFUSERS, SPRINKLER HEADS, LIGHT
- 5. RECESS MOUNT ALL DEVICES AND CONCEAL CONDUIT IN METAL STUD AND CMU WALLS (TYPICAL). DEVICES AND CONDUIT MAY RUN EXPOSED ON PRECAST WALLS, ONLY AS APPROVED. WHERE CONDUIT MUST BE RAN EXPOSED IN OPEN CEILING AREAS, PAINT ALL CONDUIT AND MOUNTING
- 6. ALL CONDUIT AND WIRING/CABLING SHALL BE RAN OVERHEAD AND NOT DOWN THROUGH FLOOR/BELOW SLAB, U.N.O.

ACCESSORIES TO MATCH SURROUNDING SURFACES.

- 7. PLENUM RATED CABLING MAY BE RAN OPEN ABOVE LAY-IN CEILINGS. WHERE CABLING IS RAN IN OPEN CEILING AREAS, ROUTE IN CONDUIT.
- 8. ALL WIRELESS ACCESS POINTS TO BE OWNER PROVIDED AND CONTRACTOR

SPECIAL SYSTEMS KEYED NOTES (SOME NOTES MAY NOT BE USED.)

- 1 PAGING SYSTEM, POWER SUPPLIES, ETC., MOUNTED ON WALL. REFER TO PAGING SYSTEM DIAGRAM AND SPECIFICATIONS FOR ADDITIONAL
- INFORMATION.
- 2 VERIFY EXACT DATA OUTLET LOCATION/REQUIREMENT FOR EQUIPMENT WITH EQUIPMENT INSTALLER/SUPPLIER PRIOR TO ROUGH—IN. 3 INSTALL OUTLETS IN CASEWORK. CONCEAL ALL CONDUITS FOR SAME.
- COORDINATE EXACT LOCATIONS WITH ARCHITECT/OWNER. 4 INSTALL OUTLETS IN PARTIAL HEIGHT WALL. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
- 5 RECESSED FLOOR BOX. FURNISH WITH RECEPTACLES AND DATA OUTLETS INDICATED. REFER TO NOTES ON POWER PLAN FOR ADDITIONAL INFORMATION. VERIFY EXACT LOCATION WITH ARCHITECT. ROUTE CONDUITS IN FLOOR SLAB, THROUGH WALL, AND UP TO ABOVE
- THE ACCESSIBLE CEILING. 6 SECURITY SYSTEM EQUIPMENT BY OTHERS.
- 7 INSTALL CONDUITS FOR NEW TELECOMMUNICATIONS SERVICE ENTRANCE. STUB UP AT BACKBOARD LOCATION AS DIRECTED BY THE TELECOMMUNICATIONS UTILITY(S). REFER TO SITE PLAN FOR ADDITIONAL INFORMATION AND CONTINUATION.
- 8 4'x8'x3/4" THICK FIRE—RATED PLYWOOD BACKBOARD(S) ALONG LENGTH ─ OF WALLS THIS ROOM FOR TELECOMMUNICATIONS/DATÁ EQUIPMENT.
- 9 TELECOMMUNICATIONS SYSTEM FLOOR MOUNT RACK 'MDF'/IDF'. ALL □ DATA DROPS IN OFFICE AREA AND LINE SHOP TO BE EXTENDED TO THIS LOCATION. REFER TO RISER ON SHEET E5.02 FOR ADDITIONAL
- INFORMATION. [10] COORDINATE EXACT EQUIPMENT LAYOUT THIS ROOM WITH OWNER PRIOR TO INSTALLATION.
- 11 COMBINATION RECESSED WALL BOX. FURNISH WITH RECEPTACLES AND DATA/TV OUTLETS INDICATED. REFER TO NOTES THIS SHEET FOR ADDITIONAL INFORMATION.
- 12 PROVIDE TWO (2) 4" EMPTY CONDUIT SLEEVES WITH BUSHED ENDS THROUGH WALL ABOVE ACCESSIBLE CEILING FOR LOW VOLTAGE CABLING. FIELD VERIFY EXACT LOCATION.
- 13 PROVIDE 2" EMPTY CONDUIT SLEEVE WITH BUSHED ENDS THROUGH WALL ABOVE ACCESSIBLE CEILING FOR LOW VOLTAGE CABLING. FIELD VERIFY EXACT LOCATION.
- FIRE SUPPRESSION MONITORING PANEL. E/C SHALL MAKE PROVISIONS FOR AUTO—DIALER/COMMUNICATOR FOR MONITORING TO REMOTE LOCATION AS DIRECTED BY THE LOCAL AHJ. FIELD VERIFY EXACT LOCATION WITH SPRINKLER SYSTEM CONTRACTOR.
- 15 PROVIDE BACKBOX AND 1" CONDUIT FOR DATA CABLING WHERE □ WIRELESS ACCESS POINT IS LOCATED IN EXPOSED CEILING.
- 16 E/C TO INSTALL EXTERIOR WALL-MOUNT ANTENNA, WIRELESS ACCESS POINT, AND 36" CABLE LEADS PROVIDED BY OWNER. ROUTE (4) CABLES BETWEEN ANTENNA AND WAP THROUGH 1" SLEEVE IN EXTERIOR WALL. ROUTE CAT. 6 DATA CABLE TO WALL-MOUNT WAP IN 1" CONDUIT. COORDINATE EXACT LOCATION WITH OWNER. MAKE ALL
- 17 QUANTITY OF DEVICES AS REQUIRED PER SPRINKLER SYSTEM DESIGN. COORDINATE WORK WITH SPRINKLER SYSTEM CONTRACTOR. PROVIDE FINISHED BACKBOX AND 3/4" CONDUIT FOR PAGING SPEAKER AND CABLING WHERE SPEAKER IS LOCATED IN EXPOSED CEILING.
- 19 INSTALL OUTLET FOR MIXING ROOM COMPUTER OUTSIDE OF CLASSIFIED HAZARDOUS AREA, AND A MINIMUM OF 3' AWAY FROM PERSONNEL DOOR OPENINGS. COORDINATE EXACT LOCATION WITH PAINT BOOTH EQUIPMENT SUPPLIER/INSTALLER.
- 20 TELECOMMUNICATIONS SYSTEM WALL MOUNT RACK 'IDF'. ALL DATA DROPS IN BODY SHOP AND WAREHOUSE/MEZZANINE TO BE EXTENDED TO THIS LOCATION. REFER TO TELECOMMUNICATIONS RISER ON SHEET E5.02 FOR ADDITIONAL INFORMATION.
- 21 INTERLOCK FAN CONTROLLER/VFD WITH FIRE SUPPRESSION MONITORING SYSTEM VIA INTEGRAL FIRE RELAY IN THE FAN CONTROLLER TO SHUT DOWN HIGH VOLUME LOW SPEED FAN UPON ACTIVATION OF THE FIRE SUPPRESSION SYSTEM (SPRINKLER SYSTEM WATERFLOW). COORDINATE WORK WITH MECHANICAL CONTRACTOR.
- ONE (1) 1" CONDUIT STUBBED UP TO ROOF FOR SATELLITE ANTENNA CABLING. 23 PROVIDE ROUGH—IN FOR TEMPERATURE CONTROL DEVICES. PROVIDE
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 ightharpoonup}$ recessed junction box with 3/4" conduit stubbed up to above ACCESSIBLE CEILING FOR EACH DEVICE. REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS. COORDINATE EXACT BOX SIZE, HEIGHT, LOCATION, AND ANY 120V POWER REQUIREMENTS FOR ALL TEMPERATURE CONTROL EQUIPMENT AND DEVICES WITH MECHANICAL
- 24 PROVIDE ROUGH-IN FOR GAS DETECTION SYSTEM AUDIBLE/VISUAL NOTIFICATION DEVICES. PROVIDE RECESSED JUNCTION BOX WITH 3/4" CONDUIT TO GAS DETECTION CONTROL PANEL. REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS. COORDINATE EXACT BOX SIZE, HEIGHT, LOCATION FOR ALL DEVICES WITH MECHANICAL CONTRACTOR.
- MOTION SENSOR MOUNTED TO BOTTOM OF STRUCTURE, ROUTE ONE (1) 3/4" CONDUIT TO OVERHEAD DOOR OPENER FOR OPERATION. 26 1-1/4" CONDUIT FROM FLOOR BOX TO TV BACK BOX FOR HDMI/DATA. 7 WIRELESS ACCESS POINT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED. TYPICAL ALL WIRELESS ACCESS POINTS.

POWER SYSTEM

POWER RECEPTACLES AND EQUIPMENT INFORMATION SHOWN ON THIS SHEET IS FOR THE PURPOSE OF COORDINATING LOCATIONS WITH POWER DEVICES AND EQUIPMENT AND SHOWN FOR REFERENCE ONLY. REFER TO POWER PLANS FOR COMPLETE POWER SYSTEMS INFORMATION.

DESCRIPTION OF WORK

ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE TELECOMMUNICATIONS SYSTEM INCLUDING CONDUIT, BACKBOXES, CONDUIT SUPPORT, CONDUIT SLEEVES, CABLING, FIBER, CABLING SUPPORT, CABLE TRAY, DEVICES, COVERPLATES, EQUIPMENT RACK, PATCH PANELS, PATCH CORDS, TERMINATIONS, LABELING, ETC., FOR A COMPLETE TELECOMMUNICATIONS SYSTEM FOR PHONE, DATA, AND CABLE T ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE PAGING SYSTEM INCLUDING CABLING, CONDUIT, CONDUIT AND CABLING SUPPORT, SPEAKERS, EQUIPMENT, POWER SUPPLIES, TERMINATIONS, ETC., FOR A COMPLETE PAGING

HAZARDOUS AREA ELECTRICAL NOTES

SPECIAL SYSTEMS EQUIPMENT AND CABLING INSTALLATION IN LINE SHOP AND AT ALL ROOMS OPEN TO THESE AREAS, SHALL COMPLY WITH HAZARDOUS AREA CLASSIFICATION REQUIREMENTS AS OUTLINED ON THE POWER PLANS. REFER TO POWER PLANS FOR ADDITIONAL INFORMATION.



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REGISTRATION



FINKLE+WILLIAMS ARCHITECTURE KIMLEY-HORN LANDSCAPE KIMLEY- HORN FOUNDATIONS BSE STRUCTURAL BSE

PROJECT TEAM

PLUMBING MECHANICAL

ELECTRICAL PKMR FIRE PROTECTION

BRINKMANN CONTRACTOR CONSTRUCTORS



SHEET TITLE FLOOR PLAN LINE SHOP **ELECTRICAL** SPECIAL SYSTEMS

E3.02