VII. LIGHTING

1. VERIFY THE COMPATIBILITY OF ALL LIGHT FIXTURES WITH CEILING MATERIALS, ADJACENT CONSTRUCTION AND ADJACENT FINISHES PRIOR TO SUBMITTING SHOP DRAWINGS, ORDERING FIXTURES AND NOTIFYING THE ARCHITECT OF ANY CONFLICTS WITH THE PROPOSED INSTALLATION.

2. PROVIDE ALL MISCELLANEOUS HARDWARE, ATTACHMENT DEVICES, TRANSFORMERS, ETC. AS NECESSARY TO PROVIDE A COMPLETED INSTALLATION.

3. ALL CEILING PENETRATIONS SHALL BE CHECKED AND CONFIRMED BUILDABLE BEFORE ANY RELATED ELEMENTS ARE CONSTRUCTED. IF ANY LIGHT FIXTURE CANNOT BE INSTALLED DUE TO CONFLICTS WITH SPRINKLERS, BEAMS, H.V.A.C., ETC. OR ANY DISCREPANCIES OR QUESTIONS ARISE, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ARCHITECT IMMEDIATELY. DO NOT PROCEED WITH THE WORK WITHOUT THE APPROVAL OF THE ARCHITECT. IF WORK PROCEEDS WITHOUT THE ARCHITECT'S APPROVAL/CONFIRMATION REWORK/RELOCATION WILL BE AT THE GENERAL CONTRACTOR'S EXPENSE.

4. LAY OUT THE TOTAL WORK AREA PRIOR TO PROCEEDING WITH CONSTRUCTION TO ALLOW THE ARCHITECT THE OPPORTUNITY TO REVIEW ANY CONFLICTS IN THE FIELD.

5. ALL INCANDESCENT TYPE LIGHT FIXTURES SHALL BE SWITCHED AND CIRCUITED SEPARATELY FROM ALL FLUORESCENT LIGHT FIXTURES. ALL INCANDESCENT FIXTURES SHALL BE CONTROLLED WITH A DIMMER SWITCH UNLESS OTHERWISE NOTED.

6. ALL DOWN LIGHTS AND WALL WASHERS SHALL BE INSTALLED IN THE CENTER OF CEILING TILES UNLESS NOTED OTHERWISE.

7. ALL RECESSED LIGHT FIXTURES MUST BE INSTALLED SO THAT THE BOTTOM OF THE THROAT IS EVEN WITH THE FINISHED CEILING PLANE. THE OVERLAPPING FLANGE MUST THEN FIT FLUSH WITH THE CEILING PLANE/THROAT. NO LIGHT LEAK SHALL BE VISIBLE. ALL MISCELLANEOUS HARDWARE AND CEILING MODIFICATIONS NECESSARY ABOVE THE CEILING PLANE SHALL BE INCLUDED IN THE BASE CONSTRUCTION BID.

8. ALL EXIT LIGHTS AND EMERGENCY LIGHTING SHALL BE INSTALLED PER CODE REQUIREMENTS (CONFIRM PRIOR TO SUBMISSION OF BID). IF A DISCREPANCY EXISTS BETWEEN THE CONTRACT DOCUMENTS, CONFIRM WITH THE ARCHITECT THE REQUIRED LOCATION AND MOUNTING DETAILS.

9. ALL LIGHT FIXTURES TYPES ARE INDICATED ON THE CONTRACT DOCUMENTS, SEE REFLECTED CEILING PLAN.

10. ALL LIGHT FIXTURES AND ASSOCIATED DEVICES SHALL BE U.L. APPROVED.

11. ALL LIGHT FIXTURES AND ASSOCIATED DEVICES SHALL BE SUPPORTED INDEPENDENT OF THE CEILING GRID IN ACCORDANCE WITH SEISMIC REGULATIONS APPLICABLE WITHIN LOCAL BUILDING CODES. REFER TO SEISMIC DETAILS.

12. REFER TO PLANS AND ELEVATIONS FOR EXACT MOUNTING HEIGHTS, LOCATION, DETAILS AND CONFIGURATIONS OF ALL LIGHT FIXTURES AND RELATED DEVICES.

13. ANY ITEM NOT SHOWN ON THE CONTRACT DOCUMENTS THAT IS IN VIEW FROM THE FINISHED SPACE SHALL NOT BE INSTALLED WITHOUT THE APPROVAL OF THE ARCHITECT.

14. NO SUBSTITUTIONS OF LIGHT FIXTURES, LAMPS AND BALLASTS WILL BE ACCEPTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT. PROVIDE COST IMPLICATIONS IF ANY WITH PROPOSED SUBSTITUTIONS

15. PROVIDE ADDITIONAL SUPPORT AS REQUIRED FOR LIGHT FIXTURES, WHICH ARE MOUNTED DIRECTLY TO SUSPENDED CEILING TILES.

16. ALL WIRING CHANNELS (FLUORESCENT AND INCANDESCENT) AND BAFFLES SHALL BE COLD ROLLED STEEL OF MINIMUM GAUGE, OR AS REQUIRED BY LOCAL CODE.

17. ALL SOCKETS SHALL BE OF THE PORCELAIN TYPE AND SHALL BE SECURELY MOUNTED TO CHANNELS WITH SCREWS. SPRING MOUNTED SOCKETS ARE NOT ACCEPTABLE. MANUFACTURER IS RESPONSIBLE FOR SUPPLYING CORRECT SOCKETS FOR LAMPS INDICATED FOR USE IN FIXTURE.

18. ALL FIXTURE WIRING SHALL BE OF THE HEAT RESISTANT TYPE, OR AS REQUIRED BY LOCAL CODE.

19. MANUFACTURER AND GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER VENTILATION AND TEMPERATURE CONDITIONS OF LIGHT FIXTURES.

20. ALL FIXTURES WITH REMOVABLE COVERS OR CONES SHALL BE SUPPLIED WITH SAFETY CHAINS SECURELY ATTACHED TO MAIN HOUSINGS. THERE SHALL BE A SUFFICIENT QUANTITY OF SAFETY CHAINS TO SUPPORT TOTAL WEIGHT OF FIXTURE.

21. VERIFY WITH THE ARCHITECT AND/OR ENGINEER THAT ALL LIGHTING EQUIPMENT MEETS ALL NATIONAL AND LOCAL CODES AS APPLICABLE, E.G. THERMAL PROTECTION AND U.L. LABEL.

22. CONTRACTOR SHALL BE RESPONSIBLE FOR NUMBERS OF FIXTURES ON CIRCUITS AND CODE COMPLIANCE.

23. MANUFACTURER AND/OR GENERAL CONTRACTOR SHALL SUBMIT FOR APPROVAL OF THE SHOP DRAWINGS OF ALL CUSTOM FIXTURES PRIOR TO FABRICATION OF SAME.

24. ALL COMPONENT PARTS OF ARCHITECTURAL LIGHTING INSTALLATIONS (I.E. LINEAR FIXTURES) SHALL BE PROVIDED BY GENERAL CONTRACTOR. COLOR AND FINISH SPECIFICATION SHALL BE BY THE ARCHITECT.

25. ELECTRICAL CONTRACTOR SHALL VERIFY CEILING CONSTRUCTION FOR EACH FIXTURE TYPE AND LOCATION AND SHALL COORDINATE TRIM DETAILS WITH ARCHITECT PRIOR TO ORDERING.

26. BY APPROVING AND SUBMITTING SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS, THE GENERAL CONTRACTOR CONFIRMS THAT HE/SHE HAS DETERMINED AND VERIFIED MATERIALS, FIELD MEASUREMENTS AND FIELD CONSTRUCTION CRITERIA, AND HAS CHECKED AND COORDINATED THE INFORMATION CONTAINED WITHIN SUCH SUBMITTALS WITH THE REQUIREMENTS OF THE WORK AND OF THE CONTRACT DOCUMENTS.

27. UNLESS OTHERWISE SPECIFIED, VOLTAGES OF ALL LAMPS SHALL BE DETERMINED BY ELECTRICAL ENGINEER. COORDINATE PROPER LAMP BASE TYPES WITH SOCKETS PROVIDED IN SPECIFIED FIXTURE.

28. MANUFACTURER AND/OR GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO ASSURE THAT ALL FIXTURES SPECIFIED FOR EXTERIOR USE SHALL BE TREATED WITH A WEATHER-RESISTANT COATING TO PROTECT FROM CORROSION.

29. ALL NEW FLUORESCENT LAMPS SHALL MATCH BUILDING STANDARD "KELVIN" TEMPERATURE COLOR.

VIII. ELECTRICAL, COMMUNICATIONS AND DATA

1. ALL ELECTRICAL WORK SHALL BE "DESIGN/BUILD" BY THE ELECTRICAL CONTRACTOR. INDIVIDUAL ELECTRICAL COMPONENTS, WHICH INCLUDES BUT IS NOT LIMITED TO LIGHT FIXTURES, ELECTRICAL OUTLETS, PHONE, DATE AND ETC. AS SHOWN, ARE NOT TO BE USED AS ARCHITECTURAL GUIDELINES FOR LOCATION OF THESE ITEMS IN THE SPACE. REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFIC LOCATIONS. THE SPECIFIC SIZING & ENGINEERING OF THESE COMPONENTS, TO ENSURE ACCEPTABLE OPERATION OF THE INDIVIDUAL SYSTEMS AND CONFORMANCE WITH APPLICABLE CODES AND REGULATIONS, ARE THE RESPONSIBILITY OF THE DESIGN/BUILD ELECTRICAL CONTRACTOR. THE DESIGN/BUILD ELECTRICAL CONTRACTOR SHALL PRODUCE DRAWINGS AS REQUIRED FOR PERMITS, AT NO EXPENSE TO THE OWNER, ARCHITECT OR TENANT. UPON COMPLETION ALL TRADES SHALL PROVIDE OWNER WITH A COMPLETE RECORD SET OF DRAWINGS (OFTEN REFERRED TO AS "AS-BUILTS"). THE LANDLORD, TENANT AND ARCHITECT SHALL ASSUME NO RESPONSIBILITY FOR THE PROPER DESIGN AND INSTALLATION OF THE ELECTRICAL SYSTEMS.

2. ALL ELECTRICAL/DATA AND COMMUNICATION RECEPTACLES SHALL BE LOCATED VERTICALLY 1'-6" A.F.F., UNLESS NOTED OTHERWISE. REFER TO PLANS, ELEVATIONS AND DETAILS FOR CENTERLINE OF MOUNTING HEIGHTS. MATCH EXISTING HEIGHT IF ADA COMPLIANT, MINIMUM 1'-3" A.F.F.

3. ALL SWITCHES/DIMMERS/LIGHT CONTROLS SHALL ALIGN WITH ADJACENT DOOR HARDWARE, AND BE LOCATED 6" FROM THE OUTSIDE OF THE DOOR FRAME/WINDOW FRAME, UNLESS NOTED OTHERWISE.

VIII. ELECTRICAL, COMMUNICATIONS AND DATA

4. ELECTRICAL OUTLETS WITHIN 6'-0" OF SINKS AND OTHER WATER SOURCES SHALL BE GFI.

5. IF ANY EXPOSED ITEM IN THE CEILING REQUIRES RELOCATION DUE TO CONFLICT OR DISCREPANCIES, DO NOT PROCEED WITHOUT CLARIFICATION FROM THE ARCHITECT. VERIFY THE COMPATIBILITY OF ALL LIGHT FIXTURES WITH CEILING MATERIALS AND ADJACENT CONSTRUCTION.

6. PROVIDE RATED ASSEMBLY AT ALL SLAB AND WALL PENETRATIONS. INCLUDING PENETRATIONS WHERE RECEPTACLES ETC. WERE REMOVED DURING DEMOLITION. ALL EXISTING AND NEW PENETRATIONS SHALL BE PROVIDED WITH RATED ASSEMBLIES TO MATCH RATING OF WALL OR FLOOR RESPECTIVELY. REFER TO HILTI FIRESTOPPING SCHEDULE FOR TYPICAL RATED ASSEMBLY PENETRATION REQUIREMENTS

7. VERIFY POWER REQUIREMENTS FOR ALL APPLIANCES, SPECIAL EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC.

8. ALL FURNITURE IS N.I.C. (NOT IN CONTRACT) TENANT TO SUPPLY AND INSTALL-ELECTRICAL CONTRACTOR SHALL PROVIDE POWER AND MAKE FINAL HOOK UP OF SYSTEMS FURNITURE USING TENANT PROVIDED PIGTAIL OR WHIP CONNECTOR.

9. PROVIDE THE ARCHITECT WITH SWITCHING/DIMMING DRAWINGS AND THE LAYOUT OF THE REQUIRED EMERGENCY LIGHTING PRIOR TO PROCEEDING WITH CONSTRUCTION.

10. INSTALL ALL WET AREA DEVICES, RECEPTACLES AND FIXTURES IN COMPLIANCE AND ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS, AS WELL AS ALL APPLICABLE CODES, LAWS AND REGULATIONS. DEVICE FINISHES TO MATCH DEVICES IN NON-WET AREAS. ALL DEVICES WITHIN THE AREA SHALL MATCH IN STYLE AND COLOR.

11. THE CONTRACT DOCUMENTS INDICATE DEVICE LOCATION, SPECIFICATION, TYPE ONLY WITHIN A SPACE OR AT A SINGLE LOCATION. ALL EXISTING DEVICES TO BE RE-USED SHALL BE CHANGED TO MATCH NEW, UNLESS OTHERWISE NOTED. ALL DEVICES/COVER PLATES WITHIN AN AREA OF ROOM SHALL MATCH IN STYLE, COLOR AND SIZE.

12. ALL SWITCHES AND RECEPTACLES DIMMERS SHALL BE OF SAME STYLE AND MANUFACTURER. REMOVE ALL ABANDONED RECEPTACLES NOT SHOWN ON PLANS. DEVICE COVER PLATES SHALL BE COMMERCIAL QUALITY "HARD PLASTIC" U.N.O.

13. SUPPLY AND INSTALL EXIT LIGHTS, AUDIO ALARMS AND EMERGENCY LIGHTING CIRCUITRY AS REQUIRED BY GOVERNING BUILDING CODES. THE ELECTRICAL SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL DEVICES WITH THE ARCHITECT PRIOR TO BEGINNING CONSTRUCTION.

14. ELECTRICAL CONTRACTORS SHALL PROVIDE 3/4" CONDUIT AND BOX WITH A PULL STRING FOR OWNER/TENANT TELEPHONE/DATA AT LOCATIONS SHOWN ON PLAN. STUB CONDUIT TO ABOVE CEILING. COORDINATE ONLY, THE INSTALLATION OF TELEPHONE AND COMPUTER CABLES, JACKS AND EQUIPMENT WITH TENANT AND OWNER. WIRING TO BE COMPLETE BEFORE INSTALLATION OF CEILING TILES. COORDINATE WITH TENANT'S CABLE CONTRACTOR ON ALL ITEMS INCLUDING EXISTING CABLE TO REMAIN. ALL NEW CABLE LOCATED ABOVE CEILING SHALL BE PLENUM RATED.

15. FLOOR RECEPTACLES FOR POWER, TELEPHONE, DATA, ETC. SHALL BE FLUSH TYPE (PROVIDE SPECIFICATION AND CATALOG CUT SHEET TO ARCHITECT). ALL FLOOR PENETRATIONS MUST BE X-RAYED AND COORDINATED WITH STRUCTURAL CONSULTANT AND BUILDING MANAGEMENT.

16. DO NOT MOUNT THERMOSTATS, SWITCHES OR OUTLETS AT A/V BOARDS, WALL CABINETS OR WOOD WALL PANELING. COORDINATE LOCATIONS WITH FURNITURE INSTALLER AND ARCHITECT.

17. DO NOT ATTACH CABLING TO CEILING SUSPENSION WIRES. ATTACH TO BUILDING STRUCTURE ONLY.

18. PROVIDE TYPED PANEL DIRECTORIES AT ALL NEW AND MODIFIED PANEL BOARDS UPON COMPLETION OF CONSTRUCTION.

IX. MECHANICAL/PLUMBING/FIRE SAFETY

1. ALL MECHANICAL, PLUMBING AND FIRE PROTECTION WORK SHALL BE "DESIGN/BUILD" BY RESPECTIVE CONTRACTORS. INDIVIDUAL MECHANICAL, SPRINKLER AND PLUMBING COMPONENTS, WHICH INCLUDE BUT ARE NOT LIMITED TO SPRINKLER HEADS, THERMOSTATS, HVAC GRILLS, AND ETC. AS SHOWN, ARE TO BE USED AS ARCHITECTURAL GUIDELINES FOR LOCATION OF THESE ITEMS IN THE SPACE. THE SPECIFIC SIZING AND ENGINEERING OF THESE COMPONENTS, TO ENSURE ACCEPTABLE OPERATION OF THE INDIVIDUAL SYSTEMS AND CONFORMANCE WITH APPLICABLE CODES AND REGULATIONS, ARE THE RESPONSIBILITY OF THE DESIGN BUILD CONTRACTOR AND HIS DESIGN BUILD SUBCONTRACTORS. THE SUBCONTRACTOR SHALL PRODUCE DRAWINGS AS REQUIRED FOR PERMITS, AT NO EXPENSE TO THE OWNER, ARCHITECT OR TENANT. UPON COMPLETION, ALL TRADES SHALL PROVIDE OWNER WITH A COMPLETE RECORD SET OF DRAWINGS (OFTEN REFERRED TO AS "AS-BUILTS"). THE LANDLORD, TENANT AND ARCHITECT SHALL ASSUME NO RESPONSIBILITY FOR THE PROPER DESIGN AND INSTALLATION OF MECHANICAL, PLUMBING OR FIRE PROTECTION SYSTEMS.

2. THE GENERAL CONTRACTOR AND HIS RESPECTIVE SUBCONTRACTORS ARE RESPONSIBLE FOR THE ADHERENCE TO ALL APPLICABLE CODES, LAWS AND REGULATIONS.

3. ALL CONTRACTORS ARE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH EXISTING CONSTRUCTION AND CONDITIONS PRIOR TO SUBMITTAL OF A BID AND SHALL PREPARE DRAWINGS OF DUCTWORK AND DIFFUSERS FOR COORDINATION WITH ARCHITECTURAL REFLECTED CEILING PLAN.

4. ALL CONTRACTORS ARE RESPONSIBLE FOR NOTIFYING THE ARCHITECT OF ANY CODE RELATED ITEMS REQUIRED FOR THE EQUIPMENT LOCATION PRIOR TO PROCEEDING WITH CONSTRUCTION.

5. ALL THERMOSTAT LOCATIONS SHALL BE VERIFIED WITH THE ARCHITECT. THERMOSTATS SHALL BE MOUNTED 54" ABOVE THE FINISHED FLOOR, UNLESS NOTED OTHERWISE.

6. DO NOT MOUNT THERMOSTATS, SWITCHES OR OUTLETS AT A/V BOARDS, WALL CABINETS OR WOOD PANELED WALLS. COORDINATE DRAWINGS WITH FURNITURE INSTALLER AND ARCHITECT.

7. PROVIDE APPROPRIATE FIRE AND/OR SMOKE DAMPERS AT ALL FIRE RATED PARTITIONS.

8. BALANCE SYSTEM AND PROVIDE REPORTS TO BUILDING MANAGEMENT UPON COMPLETION OF CONSTRUCTION.

9. NO THERMOSTAT SHALL BE LOCATED WITHIN 12" HORIZONTALLY OF A DIMMER SWITCH.

10. ALL EXPOSED DUCTWORK SHALL BE SPIRAL UNLESS OTHERWISE NOTED BY ARCHITECT. EXPOSED SPIRAL DUCTWORK SHALL BE GALVANIZED. ALL GRILLS TO BE ALUMINUM UNLESS OTHERWISE NOTED.

11. ALL CONTRACTORS ARE RESPONSIBLE FOR LOCATING ALL DIFFUSERS, REGISTERS, THERMOSTATS, ETC. PER CONTRACT DOCUMENTS REFER TO TYPICAL DEVICE MOUNTING DETAIL FOR HEIGHTS AND PROXIMITY TO OTHER WALL MOUNTED DEVICES.

12. PROVIDE CIRCULAR AIR DIFFUSERS AT GYPSUM BOARD CEILING ELEMENTS AND BOND TO CEILING UNLESS NOTED OTHERWISE.

13. ANY ITEM NOT SHOWN IN CONTRACT DOCUMENTS THAT IS IN VIEW FROM THE FINISHED SPACE SHALL NOT BE INSTALLED WITHOUT THE APPROVAL OF THE ARCHITECT.

14. ALL CEILING PENETRATIONS SHOULD BE CHECKED AND CONFIRMED BUILDABLE BEFORE ANY RELATED ELEMENTS ARE CONSTRUCTED. IF THERE ARE ANY QUESTIONS OR DISCREPANCIES REGARDING THESE ELEMENTS, OBTAIN A CLARIFICATION FROM THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK.

IX. MECHANICAL/PLUMBING/FIRE SAFETY

15. THE CONTRACT DOCUMENTS ARE FOR LOCATION, TYPE AND QUANTITY ONLY. ALL VAV BOXES, ACCESSIBLE MECHANICAL DEVICES, ETC. ARE TO BE LOCATED IN ACCESSIBLE AREAS OUTSIDE OF THE GYPSUM BOARD CEILINGS. NO EXCEPTIONS WITHOUT PRIOR APPROVAL BY THE ARCHITECT.

16. FIRE PROTECTION CONTRACTOR SHALL LOCATE ALL FIRE SAFETY DEVICES AND FIRE EXTINGUISHERS PER GOVERNING CODE. FIRE EXTINGUISHERS SHALL BE INSTALLED PER NFPA STANDARD NUMBER 10 REQUIREMENTS AND BY LOCAL FIRE PROTECTION DISTRICT. CENTER ON WALL/COLUMN TYPICAL, UNLESS OTHERWISE NOTED IN ARCHITECTURAL DOCUMENTS. PROVIDE ARCHITECT WITH LAYOUT PLAN FOR REVIEW PRIOR TO INSTALLATION.

17. SUPPLY AND INSTALL EXIT LIGHTS, AUDIBLE AND VISIBLE ALARMS AND THE EMERGENCY LIGHTING CIRCUITRY AS REQUIRED BY GOVERNING BUILDING CODES. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL DEVICES WITH THE ARCHITECT.

18. LOCATE FAN MOTORS OF SUPPLEMENTARY HVAC EQUIPMENT AWAY FROM AIR SUPPLY DIFFUSERS AND RETURN AIR GRILLS TO REDUCE NOISE

19. PROVIDE AND INSTALL SOUND DAMPERS IN DUCTWORK PENETRATING ACOUSTICAL INSULATED PARTITIONS. PROVIDE AND INSTALL FIRE DAMPERS IN DUCTWORK PENETRATING ANY FIRE RATED PARTITIONS.

20. PROVIDE SPRINKLER COVERAGE WHICH MEETS ALL APPLICABLE CODES AND REGULATIONS. VERIFY HAZARD CLASSIFICATIONS AND COORDINATE OBSTRUCTIONS, COVERAGE DENSITY, ETC.

21. INSTALL NEW (AND EXTEND EXISTING) AUTOMATIC SPRINKLER HEADS AND ALARM SYSTEM(S) TO MEET ALL APPLICABLE LOCAL BUILDING CODE REQUIREMENTS AND ADA REQUIREMENTS.

22. REWORK ANY SPRINKLERS AND PIPING REQUIRED TO PERMIT THE LIGHTING LAYOUT SHOWN. VISIT THE SITE PRIOR TO BIDDING AND BE FAMILIAR WITH THE BUILDING AND ITS SYSTEM. CONFLICTS WITH THE WORK TO BE PERFORMED ARE TO BE NOTED AND BROUGHT TO THE ATTENTION OF THE ARCHITECT. ANY ASSOCIATED WORK IS TO BE INCLUDED WITH THE BID.

23. SPRINKLER HEADS IN ALL DRYWALL CEILING SHALL BE CONCEALED TYPE, AND COLOR FACTORY APPLIED AND MATCHED TO CEILING COLOR.

24. NOTIFY THE FIRE MARSHALL IN ADVANCE BEFORE PRE-TESTING THE ALARM AND SPRINKLER SYSTEMS.

25. ANY DAMAGED OR MISSING SPRAY-ON FIREPROOFING TO BE REPLACED.

X. FINAL PUNCHLIST, CLEAN UP AND PROJECT CLOSE OUT

1. PRIOR TO THE PUNCHLIST, TEST ALL ELECTRICAL, FIRE PROTECTION, PLUMBING, HVAC AND RELATED EQUIPMENT. ALL DOORS, HARDWARE, MILLWORK AND GENERAL FINISHES SHALL BE INSPECTED FOR COMPLETENESS OF INSTALLATION AND SMOOTHNESS OF OPERATION.

2. PRIOR TO THE FINAL PUNCHLIST, CLEAN SPACE GENERALLY INCLUDING REMOVAL OF ALL CONSTRUCTION DEBRIS, WIPE DOWN ALL WALLS, CEILING, GLASS, MILLWORK, ETC. AND CLEANING OF FLOOR COVERING, LIGHT FIXTURES, RECEPTACLES, ETC.

3. AFTER COMPLETION OF PUNCHLIST, PROVIDE FINAL THOROUGH CLEANING SERVICES INCLUDING CARPET SHAMPOOING, FINAL CLEANING OF GLASS AND WINDOW BLINDS, MILLWORK AND DOORS.

4. AFTER COMPLETION OF PUNCHLIST, SUPPLY THE OWNER/TENANT WITH A PROJECT MANUAL THAT SHALL INCLUDE ALL WARRANTIES WITH CONTRACT INFORMATION AS WELL AS CLEANING, REPAIR AND MAINTENANCE INSTRUCTIONS TO COVER ALL AREAS OF CONSTRUCTION.

5. REMOVE ALL LABELS, STICKERS, ETC. FROM APPLIANCES AND PROVIDE TO CLIENT. REMOVE ANY RESIDUE FROM LABELS.

6. PROVIDE REDLINED "RECORD SET" DOCUMENTS FROM EACH SUBCONTRACTOR TO ARCHITECT/OWNER UPON PROJECT COMPLETION.

7. PROVIDE TENANT WITH A LIST OF ALL RE-SUPPLY VENDORS TO INCLUDE NAMES, ADDRESSES AND PHONE NUMBERS AND WEBSITES.

NOTE:
GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING VERTICAL SPAN OF FRAMING ASSEMBLIES AND VERIFYING THE STUD GAUGE AND DEPTH LIMITS ARE NOT EXCEEDED, PRIOR TO ORDERING MATERIALS. ARCHITECT SHALL BE NOTIFIED IMMEDIATELY IF ANY DISCREPENCIES ARE FOUND. THE SCHEDULE BELOW IS BASED ON PUBLISHED DIETRICH METAL FRAMING CHARTS. ARCHITECT SHALL NOT ASSUME LIABILITY FOR ANY MODIFICATIONS OR ALTERATIONS TO THESE PUBLISHED STANDARDS BY DIETRICH METALS.

INTERIOR FRAMING LIMITING HEIGHTS

STUD DEPTH (IN.)	STUD SPACING (IN.)	DESIGN LIMIT (PSF)	ALLOWABLE DEFLECTION	SPAN
1-5/8 - STN 25 GA.	16	5	L/360	6-0
1-5/8 - STE 20 GA.	16	5	L/360	7-3
1-5/8 - STX 20 GA.	16	5	L/360	8-5
2-1/2 - STN 25 GA.	16	5	L/360	9-10
2-1/2 - STE 20 GA.	16	5	L/360	10-6
2-1/2 - STX 20 GA.	16	5	L/360	11-2
3-5/8 -STN 25 GA.	16	5	L/360	12-4
3-5/8 -STN 25 GA.	24	5	L/360	11-7
3-5/8 -STE 20 GA.	16	5	L/360	13-7
3-5/8 -STE 20 GA.	24	5	L/360	12-0
4 - STN 25 GA.	16	5	L/360	13-4
4 - STN 25 GA.	24	5	L/360	12-4
4 - STE 20 GA.	16	5	L/360	15-2
4 - STE 20 GA.	24	5	L/360	13-5
6 - STN 25 GA.	16	5	L/360	17-11
6 - STN 25 GA.	24	5	L/360	16-9
6 - STE 20 GA.	16	5	L/360	20-3
6 - STE 20 GA.	24	5	L/360	17-8

THIS LIMITING HEIGHTS DATA IS FROM ASTM C754. DIETRIC METAL FRAMING LIMITING HEIGHTS IS USED AS THE DESIGN BAISIS. THIS INFORMATION IS ONLY PROVIDED AS A REFERENCE, AND ARCHITEXTURES WILL NOT BE RESPONSIBLE FOR THE PERFORMANCE OF WALLS BASED ON THIS TABLE. CONSULT CURRENT INFORMATION FROM ASTM C754 AND SSMA (STEEL STUD MANUFACTURERS ASSOCIATION), AND THE STUD MANUFACTURERS FOR LIMITING HEIGHTS CHARACTERISTICS OF THEIR PARTICULAR PRODUCTS.

LIMITING HEIGHTS APPLY TO WALLS CONSTRUCTED WITH MINIMUM 1/2" THICKNESS OF GYPSUM BOARD AND WITH A MINIMUM OF ONE FULL-HEIGHT LAYER ON BOTH SIDES OF THE STUD FRAMING.

LIMITING HEIGHTS ARE BASED ON TESTS CONDUCTED WITH GYPSUM BOARD ATTACHED WITH SCREWS SPACED 12" O.C. TO FRAMING MEMBERS.

Most Common UL Systems Through Concrete Floor/Wall or Block Wall		
Penetrant	U.L. System	
Metal Pipe	C-AJ-1226	
PVC 3" Max	C-AJ-2168	
PVC 6" Max	C-AJ-2243	
PVC 12" Max	C-AJ-2115	
Cable Bundle	C-AJ-3180	
Metal Pipe w/ Glass Fiber Insulation	C-AJ-5091	
Metal Pipe w/ AB/PVC Insulation	C-AJ-5090	
Sheet Metal Duct	C-AJ-7051	
Multiple Penetrants	C-AJ-8099	
Most Common UL Systems Through Gypsum Walls		
Penetrant	U.L. System	
Metal Pipe	W-L-1054	
PVC 3" Max	W-L-2128	
PVC 6" Max	W-L-2078	
PVC 12" Max	W-L-2315	
Cable Bundle	W-L-3065	
Metal Pipe w/ Glass Fiber Insulation	W-L-5029	
Metal Pipe w/ AB/PVC Insulation	W-L-5028	
Sheet Metal Duct	W-L-7040	
Multiple Penetrants	W-L-8004	
Most Common UL Systems for Top of Wall Joints w/ Gypsum Walls		
Deck Type/Wall Orientation	U.L. System (CP-606)	U.L. System (CP-612)
Perpendicular to Metal Deck	HW-D-0045	HW-D-0042
Parallel to Metal Deck	HW-D-0184	HW-D-0049
Flat Concrete	HW-D-0209	HW-D-0106
Cut to Profile (Castle Cut)	HW-D-0077	N/A
Most Common UL Systems for Top of Wall Joints w/ Concrete/Block Walls		
Deck Type/Wall Orientation	U.L. System (CP-606)	U.L. System (CP-612)
Perpendicular to Metal Deck	HW-D-0081	HW-D-1037
Parallel to Metal Deck	N/A	HW-D-0181
Flat Concrete	HW-D-0268	HW-D-0097

CITY OF PORTLAND, MAINE — RESURGAM

Inspections Division
Date: 06/03/15

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Construction Documents For:
The Hanover Insurance Group
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2 Monument Square - Eighth Floor
Portland, Maine

Revisions:
Description: Date:

Issue date: 05.11.15
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General Notes
Continued

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