POST – BID ADDENDUM #1

TO PLANS AND SPECIFICATIONS FOR
New Music Building
Ft. Sam Houston Independent School District

04/15/15

NOTE:
If you have questions about this project, please contact
Edward J. Rodriguez, Senior Project Manager
ed.rodriguez@stantec.com
210.223.9588

Wanira Magaloni, Designer
Wanira.magaloni@stantec.com
210.223.9588

This Post – Bid Addendum is generally separated into sections for convenience; however, all contractors, subcontractors, material suppliers and other involved parties shall be responsible for reading the entire Addendum. Failure to list an item(s) in all affected sections of this Addendum does not relieve any party affected from performing per instructions, provided the information is set forth one time anywhere in the Addendum.

This document shall become attached to and part of the Construction Documents for the aforementioned project.

BID DATE and TIME: Coordinate with D.L. Bandy Constructors, Inc.

DELIVER PROPOSALS TO: D.L. Bandy Constructors, Inc.
Attention: David Bandy
P.O. Box 1529
San Marcos TX
78667
512-754-6661
512-754-6662 fax

04/15/15

GENERAL ITEMS:
Where materials and manufacturers are deleted, clarified or added to the project via this post-bid addendum, refer to and coordinate with, the applicable specification sections.

LIST OF ATTACHMENTS:

<table>
<thead>
<tr>
<th>Architectural Sheets</th>
<th>MEP Sheets</th>
</tr>
</thead>
<tbody>
<tr>
<td>A121R</td>
<td>M11R</td>
</tr>
<tr>
<td>A201R</td>
<td>M301R</td>
</tr>
<tr>
<td>A211R</td>
<td>M302R</td>
</tr>
<tr>
<td>A401R</td>
<td>E111R</td>
</tr>
<tr>
<td>A501R</td>
<td>E211R</td>
</tr>
<tr>
<td>A611R</td>
<td>E501</td>
</tr>
<tr>
<td>A631R</td>
<td>MEP Narrative</td>
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SPECIFICATIONS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SECTION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>08 03 85-Steel Acoustical Door Assemblies</td>
<td>Security Metal Products Model # AW50C-STC50 is an acceptable manufacturer;</td>
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<tr>
<td>2</td>
<td>02 25 00-Allowances</td>
<td>Delete “Allowance No. 4”, in the amount of $100,000 from the project</td>
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DRAWINGS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SHEET NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>A121R</td>
<td>• Windows at upper level of building are deleted.</td>
</tr>
</tbody>
</table>
| 4    | A201R        | • Windows at upper level of building are deleted.  
• Metal Building panels are revised as indicated in the “Panel Profile Schedule” Coordinate the requirements of Specification Section |
| 5    | A211R        | • Windows at upper level of building are deleted.  
• The layout of the acoustical wall panels are revised |
| 6    | A401R        | • The ceramic tile indicated at the wall elevations is revised.  
• Refer to Room Finish Schedule |
| 7    | A501R        | • The “Window Types” schedule is revised. |
| 8    | A611R        | • The reflected ceiling plan is revised.  
• Delete Wood Panel ceiling.  
• Add 2x2 acoustical panel ceiling system.  
• Refer to Room Finish Schedule |
| 9    | A631R        | • The ceiling system is revised.  
• Delete Wood Panel ceiling.  
• Add 2x2 acoustical panel ceiling system.  
• Refer to Room Finish Schedule. |
| 10   | A711R        | • B1-First Level Floor Plan is revised to show VCT flooring  
• A6-Corridor Floor and Wall Pattern AXO is revised to indicate ceramic tile |
| 11   | A801R        | • The Room Finish Schedule is revised.  
• The Material Schedule is revised. |
| 12   | A821R        | • The layout of the acoustical wall panels is revised. |
| 13   | MEP          | • Refer to attached MEP narrative for additional information. |
| 14   | MEP          | • Refer to attached MEP narrative for additional information. |

END OF POST – BID ADDENDUM # 1
GENERAL DOOR & WINDOW NOTES:
1. REFER TO SHEETS A501 FOR DOOR SCHEDULE.
2. REFER TO SHEET A003 FOR LINTEL SCHEDULES AND DOOR CONTROL JOINTS IN STEEL STUD FRAMED WALLS.
3. ALL DOORS TO BE 1 3/4" THICK (UON)
4. STEEL FRAME DEPTHS INDICATED IN THE DETAILS ARE FINISHED DIMENSIONS.
5. PROVIDE WD BLKG IN GYP BD WALLS BEHIND DOORS.
6. PROVIDE TREATED WOOD BLOCKING AT WINDOW SURROUND MEMBERS AS REQUIRED FOR PROPER ATTACHMENT WHERE ALUMINUM WINDOWS ARE TO BE INSTALLED IN EXISTING JOINTS IN MASONRY WALLS. REFER TO A004 FOR TYP WINDOW AND DOOR CONTROL JOINTS IN STEEL STUD FRAMED WALLS.
7. PROVIDE 1: LOUVER BLINDS AT WINDOWS TYPE A7, TYP.
8. INTERIOR DOORS TO HAVE CLEAR GLAZING.
9. ABOVE CEILING SOUND ABSORPTION SHALL BE 50% OF CEILING AREA AT CHORAL ROOM.
10. PROVIDE WOOD BLOCKING IN MASONRY WALLS TO ATTACH MOUNTED ITEMS.

GENERAL ACOUSTICAL PANEL NOTES:
1. REFER TO SHEETS A821 FOR ACOUSTICAL PANEL LAYOUT.
2. ACOUSTICAL PANELS SHALL NOT BE FIELD CUT FOR UTILITIES, ETC. NOTIFY ARCHITECT OF CONFLICTING WALL MOUNTED ITEMS.
3. ACOUSTICAL PANELS SHALL NOT BE FIELD CUT FOR UTILITIES, ETC. NOTIFY ARCHITECT OF CONFLICTING WALL MOUNTED ITEMS.
4. REFER TO SHEET A501 FOR DOOR SCHEDULE.
5. PROVIDE 1: LOUVER BLINDS AT WINDOWS TYPE A7, TYP.
6. INTERIOR DOORS TO HAVE CLEAR GLAZING.
7. ABOVE CEILING SOUND ABSORPTION SHALL BE 50% OF CEILING AREA AT CHORAL ROOM.
8. PROVIDE WOOD BLOCKING IN MASONRY WALLS TO ATTACH MOUNTED ITEMS.
9. PROVIDE WOOD BLOCKING IN MASONRY WALLS TO ATTACH MOUNTED ITEMS.
10. PROVIDE WOOD BLOCKING IN MASONRY WALLS TO ATTACH MOUNTED ITEMS.

ACOUSTICAL PANEL LEGEND
- 2" ACOUSTICAL WALL PANEL
- 4" ACOUSTICAL WALL PANEL
- IMPACT ACOUSTICAL SHEET METAL
SUSPENDED ACOUSTICAL PANEL CEILING AS SCHEDULED (GYP BD WHERE NOTED)

CONTINUOUS BENT PLATE BETWEEN JOISTS

STUD FRAMING AT 16" O.C.

SUSPENDED ACOUSTICAL PANEL CEILING AS SCHEDULED 5/8" GYP BD (PT)

CORNER BEAD

SHEET METAL CLIP ANGLES - TYP AT CORNERS

GYP BD CEILING AS SCHEDULED 2" 8"

STUD FRAME DIAGONAL BRACE AT 4'-0" OC MAX. (ANCHOR TO STRUCTURE)

CONT. RUNNER TRACK ANCHOR TO B.O. STRUCT

1' - 2"
GENERAL DOOR & WINDOW NOTES:
1. REFER TO SHEETS A501 FOR DOOR SCHEDULE.
2. PROVIDE DRIP EDGE AT HEAD OF DOOR
3. PROVIDE COMPLETE DOOR, FRAME & HARDWARE SOUND SEAL (STC 50) ASSEMBLY PER MANUFACTURER - REF SPECS.
4. PROVIDE 1: LOUVER BLINDS AT WINDOWS TYPE A7, TYP.
5. PROVIDE REMOVABLE MULLION.
6. DOOR AS PART OF PRACTICE ROOM SYSTEM - REF SPECS.
7. F5 (BLAST MITIGATION)
8. EXTERIOR DOORS TO HAVE TINTED GLAZING (UON) AND INTERIOR DOORS TO HAVE CLEAR GLAZING.
9. FIELD VERIFY DIMENSIONS PRIOR TO FABRICATING FRAMES.
10. PROVIDE WD BLKG IN GYP BD WALLS BEHIND DOORS HARDWARE SCHEDULE SUBMITTAL).
11. REFER TO A004 FOR TYP WINDOW AND DOOR CONTROL AND DOOR CONTROL JOINTS IN STEEL STUD FRAMED WALLS.
12. PROVIDE INTERMEDIATE RAIL (ADJACENT TO DOOR)
13. PROVIDE SOUND SEALS FOR AN EQUIVALENT STC 50 DOOR AT EXTERIOR DOORS
14. FIELD VERIFY DIMENSIONS OF EXISTING FRAMES TO REMAIN.
15. PROVIDE STANDARD WOOD DOORS OR METAL (AS TYPED).
TOILET PLAN

GENERAL NOTES

1. REFER TO 'SHEETS A009 FOR WALL TYPES, UON.
2. ALL TOILET ROOM WALLS TO DECK, UON.
3. PROVIDE ACOUSTICAL BATT INSULATION IN STUD OS. REFER TO 'TOILET ROOM LEGEND' ON A401 FOR FIXTURES AND ACCESSORY INFO, TYP.
4. PROVIDE THE SAME FIXTURES AND ACCESSORIES ON A401 FOR MOUNTING HEIGHT INFO, TYP
5. ALL ELECTRIC FIXTURES TO BE ADULT HEIGHT
6. REFER TO SHEETS A009 FOR FINISH SCHEDULE
7. COORDINATE INSTALLATION OF REQD BLOCKING AND STABILIZING FOR FIXTURES.
8. PROVIDE MOP & BROOM HOLDER RACK
9. LOCATION OF ACCESSIBLE FIXTURES AND EQUIPMENT ARE TO BE MOUNTED AT SPECIFIED SCHOOL HEIGHTS, UON BY 'ACF' (ADULT FIXTURE), TYP.
10. LOCATION OF ACCESSIBLE FIXTURES AND EQUIPMENT ARE TO BE MOUNTED AT SPECIFIED SCHOOL HEIGHTS, UON BY 'ACF' (ADULT FIXTURE), TYP.
11. LOCATION OF ACCESSIBLE FIXTURES AND EQUIPMENT ARE TO BE MOUNTED AT SPECIFIED SCHOOL HEIGHTS, UON BY 'ACF' (ADULT FIXTURE), TYP.
12. LOCATION OF ACCESSIBLE FIXTURES AND EQUIPMENT ARE TO BE MOUNTED AT SPECIFIED SCHOOL HEIGHTS, UON BY 'ACF' (ADULT FIXTURE), TYP.
13. LOCATION OF ACCESSIBLE FIXTURES AND EQUIPMENT ARE TO BE MOUNTED AT SPECIFIED SCHOOL HEIGHTS, UON BY 'ACF' (ADULT FIXTURE), TYP.
Date: April 7, 2015
Client: Stantec
Project Name: New Band Hall – Cole High School, Ft. Sam Houston ISD
Project Number: 14-066

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PLAN ITEMS

RE: Plan Sheet M111:
  Item 1: Replaced slot diffusers with 2’x2’ supply diffusers.
  Item 2: Added 2’x2’ return air grilles.
  Item 3: Changed round supply duct to rectangular duct and updated supply silencers S-1, S-2 and S-3 to rectangular silencers.

RE: Plan Sheet M301:
  Item 1: Updated Air Device Schedule to reflect changes to air devices.

RE: Plan Sheet M302:
  Item 1: Updated Sound Attenuator Schedule to reflect changes to S-1, S-2 and S-3.

RE: Plan Sheet E111:
  Item 1: Replaced decorative pendant light fixture types ‘P2’ and ‘P2E’ with dimmable 2x4 LED volumetric light fixture types ‘A2’ and ‘A2E’ in Choral Hall 115 and Band Hall 105.

RE: Plan Sheet E211:
  Item 1: Removed power and switch for shades in Choral Hall 115 and Band Hall 105.

RE: Plan Sheet E501:
  Item 1: Removed decorative pendant light fixture types ‘P2’ and ‘P2E’.
  Item 2: Added dimmable 2x4 LED volumetric light fixture types ‘A2’ and ‘A2E’.

END OF ITEMS FOR V.E.
ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED AS PER ASHRAE 6"x6" 12"x6".

CONTROL DAMPER ON EACH ROUND SUPPLY BRANCH DUCT SERVING A...
### Air Device Schedule

<table>
<thead>
<tr>
<th>MARK</th>
<th>SERVICE</th>
<th>FACE SIZE</th>
<th>TITUS</th>
<th>CONN. SIZE</th>
<th>FLOW MAX. NC</th>
<th>PATTERN TYPE</th>
<th>MODEL</th>
<th>FINISH</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1</td>
<td>EXHAUST</td>
<td>12x12</td>
<td>TITUS</td>
<td>350</td>
<td>15</td>
<td>N/A</td>
<td>SURFACE</td>
<td>50R</td>
<td>NO WHITE</td>
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<tr>
<td>F2</td>
<td>RETURN</td>
<td>24x12</td>
<td>TITUS</td>
<td>600</td>
<td>15</td>
<td>N/A</td>
<td>LAY-IN</td>
<td>50R</td>
<td>NO WHITE</td>
</tr>
<tr>
<td>F3</td>
<td>RETURN</td>
<td>24x24</td>
<td>TITUS</td>
<td>100</td>
<td>20</td>
<td>4-WAY</td>
<td>LAY-IN</td>
<td>OMNI</td>
<td>NO WHITE</td>
</tr>
<tr>
<td>F4</td>
<td>SUPPLY</td>
<td>24x24</td>
<td>TITUS</td>
<td>220</td>
<td>20</td>
<td>4-WAY</td>
<td>LAY-IN</td>
<td>OMNI</td>
<td>NO WHITE</td>
</tr>
<tr>
<td>F5</td>
<td>SUPPLY</td>
<td>14&quot; DIA.</td>
<td>TITUS</td>
<td>250</td>
<td>25</td>
<td>360 DEG.</td>
<td>HPM</td>
<td>NO WHITE</td>
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</tr>
<tr>
<td>F6</td>
<td>SUPPLY</td>
<td>8x8</td>
<td>TITUS</td>
<td>115</td>
<td>20</td>
<td>DOUBLE DEFACT</td>
<td>SURFACE</td>
<td>300 RL NO WHITE</td>
<td></td>
</tr>
<tr>
<td>F7</td>
<td>SUPPLY</td>
<td>14x12</td>
<td>TITUS</td>
<td>400</td>
<td>20</td>
<td>DOUBLE DEFACT</td>
<td>SURFACE</td>
<td>300 RL NO WHITE</td>
<td></td>
</tr>
<tr>
<td>X1</td>
<td>TRANSFER</td>
<td>14x14</td>
<td>TITUS</td>
<td>400</td>
<td>15</td>
<td>N/A</td>
<td>SURFACE</td>
<td>350 RL NO WHITE</td>
<td></td>
</tr>
</tbody>
</table>

* TITUS is basis of design; other acceptable manufacturers include: Krueger, Metal*Aire, Price, Nailor.

1. Frames shall be suitable for ceiling or finish type. Refer to architectural documents.
2. Provide for all accessories or installation requirements.

### Fan Schedule

<table>
<thead>
<tr>
<th>MARK</th>
<th>SERVICE</th>
<th>TYPE</th>
<th>WHEEL</th>
<th>AMPS</th>
<th>STATIC PRESSURE (IN. W.C.)</th>
<th>SOUND LEVEL</th>
<th>INPUT POWER</th>
<th>MOTOR SIZE</th>
<th>FAN SPEED (RPM)</th>
<th>MOTOR SPEED (RPM)</th>
<th>FAN CONTROL</th>
<th>VOLTS</th>
<th>PH.</th>
<th>WEIGHT (LBS)</th>
<th>MFG</th>
<th>MODEL</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1</td>
<td>COOK</td>
<td>30S</td>
<td>40</td>
<td>10</td>
<td>1000</td>
<td>75</td>
<td>100</td>
<td>1/2 HP</td>
<td>1200 RPM</td>
<td>1200 RPM</td>
<td>DDC</td>
<td>115</td>
<td>1</td>
<td>100</td>
<td>DDC</td>
<td>115</td>
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* FAN CONTROL: DDC, DDC-115, DDC-120, DDC-1200, DDC-12000

### Gravity Ventilator Schedule

<table>
<thead>
<tr>
<th>MARK</th>
<th>SERVICE</th>
<th>THROAT SIZE</th>
<th>MAX. STATIC PRESSURE (IN. W.C.)</th>
<th>MFR</th>
<th>MODEL</th>
<th>WEIGHT (LBS)</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>V1</td>
<td>COOK</td>
<td>12x12</td>
<td>100</td>
<td>DDC</td>
<td>115</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

* PROVIDE FACTORY DISCONNECT. 2. PROVIDE FAN SPEED CONTROLLER FOR FAN BALANCING. 3. PROVIDE FACTORY WHITE ALUMINUM ARCH. SQUARE PLAQUE DIFFUSER; STEEL; THERMAL BACKPAN BLANKET. 4. PROVIDE GEARLESS DIRECT DRIVE MOTOR. 5. PROVIDE TIME DELAY SWITCH. 6. PROVIDE GEARLESS DIRECT DRIVE MOTOR. 7. PROVIDE WIRED WALL CONTROLLER. 8. PROVIDE MOTORIZED DAMPER ON DISCHARGE OF FAN.
### Variable Refrigerant Fan Coil Schedule

<table>
<thead>
<tr>
<th>MARK</th>
<th>SYSTEM</th>
<th>TYPE</th>
<th>SERVICE</th>
<th>VOLTS</th>
<th>PH</th>
<th>MCA (A)</th>
<th>MOCP (A)</th>
<th>MAX FLOW (CFM)</th>
<th>MIN FLOW (CFM)</th>
<th>OUTSIDE AIR (CFM)</th>
<th>SOUND RATING (DBA)</th>
<th>NOM. CAP. (BTU/HR)</th>
<th>NOM. CAP. (BTU/HR)</th>
<th>KW</th>
<th>MCA (A)</th>
<th>MOCP (A)</th>
<th>WEIGHT (LBS)</th>
<th>MPG</th>
<th>MODEL</th>
<th>MARK</th>
<th>MODEL</th>
<th>VOLTAGE</th>
<th>PHASE</th>
<th>MCA (A)</th>
<th>MOCP (A)</th>
<th>WEIGHT (LBS)</th>
<th>NOTES</th>
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<tbody>
<tr>
<td>VFC-1</td>
<td>SYSTEM 1</td>
<td>DUCTED CORRIDOR/RESTROOMS</td>
<td>208</td>
<td>1</td>
<td>2.9</td>
<td>15</td>
<td>1130</td>
<td>810</td>
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<td>BSVQ36PVJU</td>
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<td>15</td>
<td>30</td>
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<tr>
<td>VFC-3</td>
<td>SYSTEM 1</td>
<td>DUCTED CHORAL HALL</td>
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<td>2540</td>
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<td>800</td>
<td>49</td>
<td>96000</td>
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<tr>
<td>VFC-2A</td>
<td>SYSTEM 2</td>
<td>DUCTED BAND HALL</td>
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<td>9.0</td>
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<td>1780</td>
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<tr>
<td>VFC-2B</td>
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<td>SYSTEM 2</td>
<td>DUCTED UNIFORM STORAGE/ENSEMBLE</td>
<td>208</td>
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<td>15</td>
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<td>VFC-5</td>
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<td>DUCTED LIBRARY/OFFICE/CHORAL PRACTICE</td>
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<td>1.5</td>
<td>15</td>
<td>635</td>
<td>530</td>
<td>115</td>
<td>41</td>
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<tr>
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<td>SYSTEM 3</td>
<td>DUCTED OUTSIDE AIR</td>
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**Notes:**
1. PROVIDE FIELD OR FACTORY MOUNTED CONDENSATE PUMP ON ALL INDOOR UNITS CAPABLE OF MINIMUM 24" LIFT.
2. PROVIDE DAIKIN BRC1E72 NAVIGATION STAT, OR EQUAL APPROVED BY ENGINEER FOR ALL FCU WITH AUTO CHANGE OVER AND DUAL HEAT AND COOL SETPOINTS, UNLESS NOTED OTHERWISE ON DRAWINGS.
3. VRV SUPPLIER TO INCLUDE SCR STRIP HEAT FOR SUPPLY SIDE OF OA UNITS.
4. SCR STRIP HEAT TO BE FIELD MOUNTED IN DUCTWORK & REQUIRES SEPARATE POWER SUPPLY FROM VRV INDOOR UNIT.
5. PROVIDE BACNET/IP GATEWAY TO CONNECT VRV SYSTEM TO BAS.
6. OUTSIDE AIR IS DUCTED DIRECTLY INTO SPACE FROM VOA-3, VOLUME EQUAL TO 360 CFM. OUTSIDE AIR IS PROVIDED TO SPACE, IT JUST IS NOT PROVIDED THROUGH UNIT VFC-1.
KEYED NOTES

1. PROVIDE STUD WALLS OR STUD WALLS WITH THE INTERNAL ELECTRICAL BOX AND HOLLOW STUD WALLS IN OR WITH THE BOX.
2. ALL STUD WALLS MOUNTED TO BE LOCATED 1/2" TO BOTTOM OF STUD.
3. PROVIDE STUD WALLS WITH MINIMUM CLEARANCES AS SHOWN IN PLAN.
4. PROVIDE STUD WALLS WITH MINIMUM CLEARANCES AS SHOWN IN PLAN.
5. PROVIDE STUD WALLS WITH MINIMUM CLEARANCES AS SHOWN IN PLAN.
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24. PROVIDE STUD WALLS WITH MINIMUM CLEARANCES AS SHOWN IN PLAN.
25. PROVIDE STUD WALLS WITH MINIMUM CLEARANCES AS SHOWN IN PLAN.

GENERAL POWER NOTES

20. PROVIDE CEILING ACCESS DOORS TO GAIN ACCESS TO EQUIPMENT ABOVE HARD CEILINGS.
19. REFER TO BRANCH CIRCUIT SCHEDULES FOR CONDUCTOR SIZING.
18. PROVIDE COMPLETE CONNECTION TO HVAC CONTROL PANEL.
17. ALL DATA CONDUITS, SLEEVES AND STUBS SHALL BE TERMINATED WITH WP/GFCI/LOCKABLE ENCLOSURE TO HOUSE SMARTSTRUCTURE AUTOMATION SERVER AND OTHER REQUIRED MODULES. REFER TO INTERIOR AND EXTERIOR LIGHTING CONTROL PANEL ON TECHNOLOGY SHEET.
16. LIQUIDTIGHT FLEXIBLE CONDUIT (LFMC) SHALL BE USED FOR GENERAL POWER NOTES.
15. FLEXIBLE METAL CONDUIT (FMC) CAN BE USED ONLY FOR FINAL HOME RUNS IN WALLS AND CEILINGS.
14. IN ALL CASES VOLTAGE DROP TO LAST OUTLET MUST NOT EXCEED 3%.
13. ALL OUTLETS SHOWN AS "AC" (ABOVE COUNTER) ARE TO BE INSTALLED 3" ABOVE COUNTER OR BACK SPLASH TO BOTTOM OF BOX.
12. ALL WALL MOUNTED RECEPTACLES TO BE LOCATED 18" A. F.F. TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
11. ALL FEEDER AND BRANCH CIRCUIT WIRING SHALL BE COPPER.
10. ALL SWITCHES AND RECEPTACLES SHALL BE U.L. LISTED AND SHALL BE SPECIFICATION GRADE.
9. ELECTRICAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF FUSES, CIRCUIT BREAKERS, RELAYS, AND TRANSFORMERS AS REQUIRED. PROVIDE TRANSFORMER IN ACCESSIBLE TRANSFORMER ENCLOSURE TO HOUSE SMARTSTRUCTURE AUTOMATION SERVER AND OTHER REQUIRED MODULES. REFER TO INTERIOR AND EXTERIOR LIGHTING CONTROL PANEL ON TECHNOLOGY SHEET.
8. PROVIDE NEMA 5-20R RECEPTACLE MOUNTED TO UNISTRUT ABOVE LADDER RACK. REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.
7. PROVIDE COMPLETE CONNECTION TO SECURITY PANEL AND POWER FROM MEN TLT.. REFER TO SECURITY SHEET FOR ADDITIONAL INFORMATION.
6. ALL HOMERUNS AND RUNS BETWEEN JUNCTION BOXES TO BE A MINIMUM OF 3/4" CONDUIT WITH #10 WIRE. NO MORE THAN THREE (3) CIRCUITS PER HOME RUN.
5. PROVIDE COMPLETE CONNECTION TO SECURITY PANEL AND POWER FROM MEN TLT.. REFER TO SECURITY SHEET FOR ADDITIONAL INFORMATION.
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POWER FLOOR PLAN - LEVEL 1

LEVEL 1
### Circuit Description CKT

83 Spare

81 FIRE ALARM CONTROL PANEL

69 Spare

57 Receptacles - OFFICE 106

53 Spare

51 Spare

39 Receptacles

35 Receptacles - IDF 114

27 Receptacles - BAND HALL 105

21 Receptacles - ENSEMBLE 112

17 Receptacles - UNIFORM STOR 111

15 Practice Room Power - C PRACTICE 118

11 Receptacles - CHORAL HALL 115

9 Receptacles - CHORAL HALL 115

---

### Load Classification

<table>
<thead>
<tr>
<th>Connected Load(KVA)</th>
<th>Demand Factor</th>
<th>Estimated Demand</th>
<th>Panel Totals</th>
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<td>10000 A</td>
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### Supply From:

Location: SURFACE

Mains Rating: 400 A

MCB: 22000 A

Wires: 120/208 Wye

### Lighting

- 4 LED LITHONIA 2VTL4 72L ADP EZ1 LP840 2x4 VOLUMETRIC LED TROFFER, 0-10 VOLT DIMMING DOWN TO 1%. CONTRACTOR
- 3 LED W2E LITHONIA WSQLED 1 10A700/40K SR4 277 ELCW EXTERIOR WALL MOUNTED EMERGENCY FULL CUT OFF LED FIXTURE. VERIFY
- 2 LED F1 LITHONIA FEM8 LED 9L IMAFL 277 DPMB 8' ENCLOSED AND GASKETED LINEAR LED. VERIFY MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ORDERING.
- 1 LED D1E GOTHAM AF 1/42TRT 6AR MVOLT ELHL SAME AS ABOVE, EXCEPT WITH EMERGENCY 90 MINUTE HIGH LUMEN BATTERY BACKUP.
- 1 LED C1E LITHONIA C 2 32 MVOLT GEB10PS WGCUN NST EL SAME AS ABOVE, EXCEPT WITH EMERGENCY BATTERY PACK 2 32W T8 4100K 1 ELECTRONIC CHAIN SURFACE 277 V 62 VA

### Cooling

- 3 HVAC Unit(s) 'OAU-2(HEAT)' - LIBRARY/STORAGE 110
- 2 HVAC Unit(s) 'FC-6' - MECH PLATFORM 200 40
- 1 HVAC Unit(s) 'FC-4' - UNIFORM STOR 111
- 1 HVAC Unit(s) 'MS-CU-1'

### Miscellaneous

- Display Case Lighting 32
- Outdoor Fan 10
- Receptacles 2