THE REESE
PROBAR FINISH OUT - LEVEL 2
202 S. 1st Street
Harlingen, Texas

MEP Engineer: Ethos Engineering
119 W. Van Buren Ave.
Harlingen, Texas 78550
956-230-3435

Architect: Megamorphosis, Inc.
324 W. Van Buren Ave.
Harlingen, Texas 78550
956-428-1779

GENERAL DEMOLITION REQUIREMENTS

DEFINITIONS

1. REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM ON SITE UNLESS INDICATED TO BE REMOVED AND SALVAGED OR REMOVED AND REINSTALLED.

2. REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND DELIVER TO REPAIR OWNER.

3. REMOVE AND REINSTALL: DETACH ITEMS FROM EXISTING CONSTRUCTION, PREPARE THEM FOR REUSE, AND INSTALL THEM WHERE INDICATED.

4. EXISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE REMOVED AND REINSTALLED.

EXISTING SUBSTRATE PRIOR TO INSTALLATION OF NEW FINISH MATERIAL. STRIP, REPLACED WITH NEW FINISHES, SURFACES TO REMAIN SHALL BE STRIPPED CLEAN OF CORRECT MATCH PATTERN TO MATCH EXISTING CONDITIONS AND MAKE THEM READY REQUIREMENTS.

EXISTING CONDITIONS PRIOR TO BIDDING THIS PROJECT. REPORT DISCREPANCIES OR REQUIREMENTS.

EXISTING ITEMS OF CONSTRUCTION SO AS NOT TO DAMAGE EXISTING OR BETTER WORK THAN THAT BEING CUT OR PATCHED APPROVED BY.

ADHESIVE AND SUITABLE FOR APPLICATION OF NEW FINISH MATERIAL.

ALL EXISTING FINISHES AND MADE READY TO RECEIVE NEW FINISHES.

EXISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE PERMANENTLY REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED, REMOVED AND SALVAGED, OR REMOVED AND REINSTALLED.

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<th>Type</th>
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<td>CR/INT</td>
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<td>RECEPTION MULTIPURPOSE - 100E</td>
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<tr>
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<td>LEASE SPACE (LEVEL 1)</td>
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<td>LEASE SPACE (LEVEL 1)</td>
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<td>106E</td>
<td>REPAIR &amp; MEP. SLAB CUTS.</td>
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<td>107E</td>
<td>PANELS RE: A-8.2 NEW GATE &amp; INFILL</td>
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<td>109</td>
<td>FOYER</td>
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<td>112</td>
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<tr>
<td>115</td>
<td>KITCHEN</td>
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<tr>
<td>116</td>
<td>6'-0&quot; 12&quot; STEP</td>
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<td>117</td>
<td>TAILGATE</td>
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<tr>
<td>118</td>
<td>FRAME WEATHERTIGHT</td>
</tr>
<tr>
<td>119</td>
<td>REMOVE TOP TWO EXISTING GLAZING LOUVER- SEAT TO EXIST. WINDOW LITES AND REPLACE WITH ONE (1) F.A.I.</td>
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<tr>
<td>120</td>
<td>TYPE X</td>
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## Plan Notes

- **EXISTING EXTERIOR METAL STUD WALL - PROVIDE 5/8" GYP. BD.**
- **NEW CEMENTITIOUS OVERLAY AS SHOWN**
- **NEW LANDING AND H.C. RAMP OVER EXIST. PROVIDE EMBED IN WALL.**
- **LIGHTING PROTECTION. RELOCATE IF NECESSARY TO ELASTOMERIC PAINT TO EXTERIOR WALL; REF. SPECS.**
- **PROVIDE NEW METAL LATHE, STUCCO, AND FLOORS**
- **POUR AND LEVEL FLOOR TO ALIGN WITH ADJACENT MATCH ADJACENT WALL FINISH**
- **PROVIDE METAL STUDS & SHEATHING IN OPENINGS.**
- **SCARIFY EXISTING CONCRETE. APPLY BONDING AGENT.**
- **INSULATION IN STUD CAVITY.**
- **MECHANICAL ROOM SIDE & SOUND BATT INSULATION BOTH SIDES & SOUND BATT INSULATION**
- **6" MTL. STUDS TO UNDERSIDE OF DECK W/ 5/8" GYP. BD.**
- **3 5/8" MTL. STUDS TO UNDERSIDE OF DECK W/ ONE LAYER 5/8" TYPE X**
- **2 1/2" MTL. STUDS TO UNDERSIDE OF DECK W/ 5/8" GYP. BD.**
- **FRAME WEATHERTIGHT - PROVIDE OF CYPR. ES**
- **2 HOUR FIRE BARRIER (UL DESIGNS U411 & U412) - 6" MTL.**
- **6'-0" 12" STEP**
- **FRAME WEATHERTIGHT - PROVIDE OF CYPR. ES**

### Additional Notes

- Provide CEMENT BOARD IN LIEU OF GYP. BD. AT RESTROOM 112.
- Reference Interior Elevations for Wall Tile Locations.
EXISTING EXTERIOR METAL STUD WALL - PROVIDE 5/8" GYP. BD.

3/A-2.3

5/A-2.4

238

236

227A

2

5

249A

3. [H]

D

C

A

L

J

AND AS CLARIFIED BELOW.

XX

6

4

3

2

1

HOURS

FLOOR MATCH ADJACENT WALL FINISH

MECHANICAL ROOM SIDE & SOUND BATT INSULATION

BOTH SIDES & SOUND BATT INSULATION

GYP. BD. BOTH SIDES, FIRESEAL

3 5/8" MTL. STUDS TO UNDERSIDE OF DECK W/ ONE LAYER 5/8" TYPE X

SIDE & SOUND BATT INSULATION

6" MTL. STUDS TO UNDERSIDE OF DECK W/ 5/8" GYP. BD.

ONE SIDE & SOUND BATT INSULATION

3 5/8" MTL. STUDS TO UNDERSIDE OF DECK W/ 5/8" GYP. BD.

2 HOUR FIRE BARRIER (UL DESIGNS U411 & U412) - 6" MTL.

KEYED RENOVATION NOTES

WALL TYPES

DESCRIPTION

11'-3"

11'-10"

K

4

4

11'-5"

11'-3"

11'-8"

SUPERVISOR

BUS. ADMIN.

OFFICE

OFFICE

246

248

247

5

5

5

5

5

5

FE

212

211

210

247

209

206

245

WALL - RE: MEP (TYP.)

1'-1"

5'-0"

MECH.

5'-5"

IT/COPY/MAIL

5'-6"

ROOM

1'-8"

5'-4"

RESTROOM

14'-3"

4'-7"

ELEV

11'-3"

214

218

200E

RESTROOM

217A

216

213

23/A-5.1

STORAGE

1'-11 3/4"

5'-5"

CLOSET

6'-3"

5'-5"

ROOM

6/A-2.3

5'-4"

ROOM

5'-4"

SHELF & ROD

1'-4 3/4"

8'-4"

MEP)

NEW WINDOW FRAME (IN LIEU OF NEW WINDOWS GLAZING LITE) RE: A8.1

209

206

246

209

205B

207

204

204B

203

240A

240B

249A

250A

250B

242

1/A-2.3

6/A-2.3

17'-1"

205

207

204

204B

203

240A

240B

249A

250A

250B

242

1/A-2.3

6/A-2.3

17'-1"

205

207

204

204B

203

240A

240B

249A

250A

250B

242

1/A-2.3

6/A-2.3

17'-1"

205

207

204

204B

203

240A

240B

249A

250A

250B

242
SECTION AT SINK

TYPICAL SECTION

MIRROR AS SPEC'D
GRANITE TOP AND EDGE
UNDER-MOUNT LAVATORY, REF. MEP

1x2 STL. TUBE SUPPORT
WELDED TO STL TUBE IN WALL
INSULATE EXPOSED PIPING

FAUCET- RE: M.E.P.

40" MAX. TO REFLECTING SURFACE
2'-3" MIN. TO BOTTOM OF APRON
7"
2'-10" MAX. TO TOP OF LAV.

1 1/2" EASED EDGE SINK, REF. MEP
P.LAM. ON 3/4" TREATED PLYWOOD REMOVABLE APRON PANELS WITH Z-CLIPS MOUNTED TO 3 X 3 CLEAT EACH END

SOFFIT AT KITCHENETTE
PTD. GYP. WALL BOARD @ TRAINING ROOM AND COPY/MAIL ROOMS
LIGHT VALANCE

1/4" PLYWOOD BACK
ADJ. 3/4" PLYWOOD SHELVES W/ EDGE BANDS
1/2" WD. DOOR W/ 1 4" TRIM
PLYWOOD FULL FACE FRAME
SLOTTED STANDARDS
CONTINUOUS CLEAT
P-LAM CLAD WD. DRAWER WITH PULL
P-LAM CLAD DOOR
P-LAM CLAD UPPERS

MATERIAL
PRODUCT
TRADENAME
MODEL NUMBER

A-5.2
1. Exposed structure to be painted, unless noted otherwise.
2. Existing concrete shall be cleaned of dirt, grease, paint, and loose or scaled concrete.
3. Where rebar is exposed, clean and coat steel and adjacent concrete with corrosion inhibitor and bonding agent. Cover with Portland cement mortar to be level with adjacent concrete.
4. Cast-in-place junction boxes in ceilings shall be abandoned. Blank metal cover plates shall be installed and painted to match ceiling.
5. Where stucco has failed and lath is exposed, both shall be removed down to the structure.
NOTES:
1. EXPOSED STRUCTURE TO BE PAINTED, UNLESS NOTED OTHERWISE.
2. EXISTING CONCRETE SHALL BE CLEANED OF DIRT, GREASE, PAINT, AND LOOSE OR SCALLED CONCRETE.
3. WHERE REBAR IS EXPOSED, CLEAN AND COAT STEEL AND ADJACENT CONCRETE WITH CORROSION INHIBITOR AND BONDING AGENT. COVER WITH PORTLAND CEMENT MORTAR TO BE LEVEL WITH ADJACENT CONCRETE.
4. CAST-IN-PLACE JUNCTION BOXES IN CEILINGS SHALL BE ABANDONED. BLANK METAL COVER PLATES SHALL BE INSTALLED AND PAINTED TO MATCH CEILING.
5. WHERE STUCCO HAS FAILED AND LATH IS EXPOSED, BOTH SHALL BE REMOVED DOWN TO THE STRUCTURE.
**MECHANICAL SYMBOLS LEGEND**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
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<tbody>
<tr>
<td>T</td>
<td>Temperature</td>
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<tr>
<td>P</td>
<td>Pressure</td>
</tr>
<tr>
<td>V</td>
<td>Volume</td>
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<tr>
<td>D</td>
<td>Diameter</td>
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<tr>
<td>L</td>
<td>Length</td>
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**ABBREVIATIONS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>A/C</td>
<td>Air Conditioner</td>
</tr>
<tr>
<td>P/M</td>
<td>Pump-Motor</td>
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<tr>
<td>V/C</td>
<td>Valve-Control</td>
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<tr>
<td>C/E</td>
<td>Control-Execut</td>
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<tr>
<td>S/E</td>
<td>Sensor-Execut</td>
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<tr>
<td>H/V</td>
<td>Heated-Vented</td>
</tr>
<tr>
<td>L/R</td>
<td>Left/Right</td>
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**CODES & ORDINANCES**

1. **CONSTRUCTION:**
   - All construction work shall be in accordance with the provisions of the applicable building codes and regulations.
   - All construction work shall be performed in a manner that complies with the latest edition of the National Electrical Code (NEC).

2. **DATA & INFORMATION:**
   - All data and information provided to the contractor shall be accurate and complete.
   - All contractors shall maintain accurate and current records of all work performed.

3. **INSURANCE:**
   - Each contractor shall maintain liability insurance as required by the general contractor.
   - Each contractor shall maintain workers' compensation insurance as required by law.

4. **PAYMENTS:**
   - Payments shall be made in accordance with the terms of the contract.
   - All invoices shall be submitted in a timely manner.

**GENERAL NOTES**

1. **REVISIONS:**
   - All revisions to the drawings and specifications shall be in writing and approved by the owner and the architect.
   - All changes to the drawings and specifications shall be noted on the plans.

2. **INSULATION:**
   - All insulation shall be installed in accordance with the manufacturer's instructions.
   - All insulation shall be installed in a manner that complies with local building codes.

3. **MECHANICAL SYSTEMS:**
   - All mechanical systems shall be installed in accordance with the latest edition of the ASHRAE Handbook.
   - All mechanical systems shall be tested and balanced in accordance with ASHRAE Standard 180.

4. **ELECTRICAL SYSTEMS:**
   - All electrical systems shall be installed in accordance with the latest edition of the NEC.
   - All electrical systems shall be tested and balanced in accordance with UL Standard 967.

**COORDINATION:**

- The project team shall coordinate all work to ensure a smooth and successful project completion.
- All work shall be coordinated with the general contractor and all subcontractors.
- All issues shall be resolved in a timely manner to minimize project delays.
### Water Source Heat Pump Schedule

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TYPE</th>
<th>UNIT</th>
<th>FAN</th>
<th>TOTAL</th>
<th>HP</th>
<th>WT</th>
<th>ELECT</th>
<th>MAX</th>
<th>COST</th>
<th>TOTAL</th>
<th>HW</th>
<th>LP</th>
<th>HF</th>
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### Exhaust Fan Schedule

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### Air Device & Diffuser Schedule

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### Rev 23

**Revised Number Rate Date:** August 08, 2013

**Sheet Title and No.:** Mechanical Schedules

**Notes:**
1. The water source heat pumps are designed for indoor applications.
2. The units are designed for use in residential and commercial buildings.
3. The units are compatible with existing HVAC systems.
4. The units are designed for use in climates with temperatures ranging from -25°F to 120°F.

**Exhaust Fan Schedule:**
- The exhaust fans are designed for use in commercial and industrial applications.
- The units are designed for use in climates with temperatures ranging from -25°F to 120°F.

**Air Device & Diffuser Schedule:**
- The air devices and diffusers are designed for use in commercial and industrial applications.
- The units are designed for use in climates with temperatures ranging from -25°F to 120°F.

**General Notes:**
- The units are designed for use in climates with temperatures ranging from -25°F to 120°F.
- The units are compatible with existing HVAC systems.
- The units are designed for use in commercial and industrial applications.

**Revision History:**
- August 08, 2013: Revised Number Rate Date
- Sheet Title and No.: Mechanical Schedules
- Notes: The units are designed for use in climates with temperatures ranging from -25°F to 120°F.
- The units are compatible with existing HVAC systems.
- The units are designed for use in commercial and industrial applications.
### GENERAL SYMBOL LEGEND:

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<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
<th>NURSE AS IN USE &amp; HEATING</th>
</tr>
</thead>
</table>
| GA     | Gas Alarm
gas/flow | - | 25W |
| FA     | Fire Alarm
threat/flash | - | 25W |
| CA     | Ceiling Alarm
coincidence | - | 25W |
| HA     | Hauser Alarm
chlorine | - | 25W |
| GA     | Gas Alarm
- | 25W |
| CA     | Ceiling Alarm
- | 25W |
| HA     | Hauser Alarm
- | 25W |

### LUTRON CONTROL SYMBOLS:

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
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</table>
| PZ     | Push Button
- | 25W |
| CZ     | Call Button
- | 25W |
| ZE     | Zone Extension
- | 25W |
| ZI     | Zone Identification
- | 25W |
| ZT     | Zone Time Delay
- | 25W |
| ZL     | Zone Loop
- | 25W |
| EL     | Emergency Light
- | 25W |
| ES     | Exit Sign
- | 25W |
| EP     | Exit Point
- | 25W |
| ZR     | Zone Relay
- | 25W |
| ZD     | Zone Disconnection
- | 25W |

### WIRING DEVICES SYMBOL LEGEND:

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<thead>
<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
<th>NURSE AS IN USE &amp; HEATING</th>
</tr>
</thead>
</table>
| C      | Cigarette
- | 25W |
| D      | Door
- | 25W |
| E      | Elevator
- | 25W |
| F      | Fire Alarm Control
- | 25W |
| G      | Generator
- | 25W |
| H      | Hospital
- | 25W |
| I      | Indicator
- | 25W |
| J      | Junction Box
- | 25W |
| K      | Keypad
- | 25W |
| L      | Lighting
- | 25W |
| M      | Mains
- | 25W |
| N      | Nurse Call
- | 25W |
| O      | Other
- | 25W |
| P      | Panel
- | 25W |
| Q      | Quartz
- | 25W |
| R      | Relay
- | 25W |
| S      | Switch
- | 25W |
| T      | Transformer
- | 25W |
| U      | Unit
- | 25W |
| V      | Volume
- | 25W |
| W      | Warning
- | 25W |
| X      | X-ray
- | 25W |

### SPECIAL SYSTEMS SYMBOL LEGEND:

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
<th>NURSE AS IN USE &amp; HEATING</th>
</tr>
</thead>
</table>
| Z      | Zone
- | 25W |
| R      | Remote
- | 25W |
| S      | Switch
- | 25W |
| T      | Transformer
- | 25W |
| U      | Unit
- | 25W |
| V      | Volume
- | 25W |
| W      | Warning
- | 25W |
| X      | X-ray
- | 25W |

### ALARM SYSTEMS SYMBOL LEGEND:

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
<th>NURSE AS IN USE &amp; HEATING</th>
</tr>
</thead>
</table>
| Z      | Zone
- | 25W |
| R      | Remote
- | 25W |
| S      | Switch
- | 25W |
| T      | Transformer
- | 25W |
| U      | Unit
- | 25W |
| V      | Volume
- | 25W |
| W      | Warning
- | 25W |
| X      | X-ray
- | 25W |

###eware:
- Any unreadable marks should be interpreted as blank, with all required information being transferred to the completed project.
<table>
<thead>
<tr>
<th>Model</th>
<th>Luminous Flux</th>
<th>Lumen/Watt</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A5</td>
<td>4052</td>
<td>179</td>
<td></td>
</tr>
<tr>
<td>A6</td>
<td>4861</td>
<td>178</td>
<td></td>
</tr>
<tr>
<td>A7</td>
<td>4831</td>
<td>178</td>
<td></td>
</tr>
<tr>
<td>A8</td>
<td>4861</td>
<td>178</td>
<td></td>
</tr>
<tr>
<td>A9</td>
<td>4831</td>
<td>178</td>
<td></td>
</tr>
<tr>
<td>A10</td>
<td>4861</td>
<td>178</td>
<td></td>
</tr>
</tbody>
</table>

**GENERAL NOTES:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>TYPE &quot;A1 &amp; A2&quot;</td>
</tr>
<tr>
<td>B</td>
<td>TYPE &quot;B &amp; H&quot;</td>
</tr>
<tr>
<td>C</td>
<td>TYPE &quot;C&quot;</td>
</tr>
<tr>
<td>D</td>
<td>TYPE &quot;D&quot;</td>
</tr>
<tr>
<td>E</td>
<td>TYPE &quot;E&quot;</td>
</tr>
<tr>
<td>F</td>
<td>TYPE &quot;F&quot;</td>
</tr>
<tr>
<td>G</td>
<td>TYPE &quot;G&quot;</td>
</tr>
<tr>
<td>H</td>
<td>TYPE &quot;H&quot;</td>
</tr>
</tbody>
</table>

**LINE TYPE LEGEND:**

<table>
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<tr>
<th>Line</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>TYPE &quot;A1 &amp; A2&quot;</td>
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<td>TYPE &quot;F&quot;</td>
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<td>G</td>
<td>TYPE &quot;G&quot;</td>
</tr>
<tr>
<td>H</td>
<td>TYPE &quot;H&quot;</td>
</tr>
</tbody>
</table>

**TYPICAL LUTRON ONE-LINE CONTROL DIAGRAM:**

1. **LEDS:**
   - Aluminum LED: 15W, LTM 10, 6000K, 35 DEG BEAM
   - Color LED: 15W, LTM 10, 6000K, 35 DEG BEAM
   - Color LED: 15W, LTM 10, 6000K
   - Color LED: 15W, LTM 10, 6000K
   - Color LED: 15W, LTM 10, 6000K
   - Color LED: 15W, LTM 10, 6000K

2. **LUMINARIC S kości:**
   - Luminous Flux: 4052 Lumen/Watt
   - Luminous Flux: 4861 Lumen/Watt
   - Luminous Flux: 4831 Lumen/Watt
   - Luminous Flux: 4861 Lumen/Watt
   - Luminous Flux: 4831 Lumen/Watt
   - Luminous Flux: 4861 Lumen/Watt

3. **PROB LEVELS 1 & 2 FINISH OUT at THE REES: IN 3 PHASE 1 ELECTRICAL SCHEDULED**
## Plumbing Fixtures Schedule

<table>
<thead>
<tr>
<th>MODEL</th>
<th>MANUFACTURER</th>
<th>DESCRIPTION</th>
<th>INSTALLATION</th>
<th>FINISHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME-5</td>
<td>KOHLER</td>
<td>1/2&quot; push-valve, low consumption flush valve</td>
<td>4&quot;  8&quot;</td>
<td>1.5&quot; (1-1/4&quot;&quot;) TO TOP OF VALVE</td>
</tr>
<tr>
<td>ME-6</td>
<td>KOHLER</td>
<td>1/2&quot; push-valve, low consumption flush valve</td>
<td>4&quot;  8&quot;</td>
<td>1.5&quot; (1-1/4&quot;&quot;) TO TOP OF VALVE</td>
</tr>
<tr>
<td>L-1</td>
<td>KOHLER</td>
<td>1/2&quot; push-valve, low consumption flush valve</td>
<td>4&quot;  8&quot;</td>
<td>1.5&quot; (1-1/4&quot;&quot;) TO TOP OF VALVE</td>
</tr>
<tr>
<td>L-2</td>
<td>KOHLER</td>
<td>1/2&quot; push-valve, low consumption flush valve</td>
<td>4&quot;  8&quot;</td>
<td>1.5&quot; (1-1/4&quot;&quot;) TO TOP OF VALVE</td>
</tr>
</tbody>
</table>

### Notes
1. GENERAL NOTES: This set of plans should be reviewed by a licensed plumber and electrician.
2. All plumbing work shall be in accordance with all applicable codes as adopted and amended by the governing authorities.
3. All plumbing work shall be done in accordance with the current plumbing code of the state in which the work is to be done.
4. All plumbing work shall be done in accordance with the drawings attached to this plan.
5. All plumbing work shall be done in accordance with the specifications attached to this plan.
6. All plumbing work shall be done in accordance with the instructions attached to this plan.
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01 DOMESTIC WATER LINE PIPING SUPPORT DETAIL
02 FLOOR CLEANOUT DETAIL
03 WALL CLEANOUT DETAIL
04 ADA WATER CLOSET DETAIL
05 FLOOR DRAIN WITH TRAP GUARD DETAIL
06 FLOOR DRAIN WITH TRAP GUARD DETAIL
07 WALL SLEEVE DETAIL