| | | GENERA (Not all symbols listed belo | | | | | | |
|-------------|---|---|--------|--|---------------|--|--|--|
| ABBR. | SYMBOL | DESCRIPTION | ABBR. | SYM DETAIL | BOL PLAN | DESCRIPTION | | |
| | | — SECTION DESIGNATION | | SHEETS | SHEETS | | | |
| | | — SECTION CUT ON THIS SHEET | | — <u> </u> | - | CAP END OF PIPE | | |
| | | | | XX | SLOPE | PITCH DOWN IN DIRECTION OF ARROW | | |
| | | VIEW REFERENCE DESIGNATION | | _ × | | PIPE ANCHOR | | |
| | | — VIEW REFERENCE ON THIS SHEET | | _= | | PIPE ALIGNMENT GUIDE | | |
| | X | — EQUIPMENT UNIT IDENTIFICATION EQUIPMENT UNIT NUMBER (UNIT SERVED - FLOOR - | | | | UNION OR FLANGE | | |
| | 123/ | SEQUENCE #) | | | | CONCENTRIC PIPE REDUCER | | |
| \boxtimes | A) 10 - | ─ DIFFUSER IDENTIFICATION─ DIFFUSER NECK DIAMETER | | | | ECCENTRIC PIPE REDUCER | | |
| | A 250 | — DIFFUSER CFM | PRV | -₩- | ₩ | PRESSURE REDUCING VALVE | | |
| | | — LINEAR DIFFUSER IDENTIFICATION | PTRV | <u> </u> | | PRESSURE AND/OR TEMPERATURE RELIEF VALVE | | |
| | E 8ø/24"L 9999 | LINEAR DIFFUSER NECK DIAMETER LINEAR DIFFUSER LENGTH | | | — | PLUG VALVE | | |
| | 9999 | LINEAR DIFFUSER CFM | | → → | → | ISOLATION (GATE / BALL) VALVE | | |
| | | — FINNED TUBE RADIATOR ACTIVE ELEMENT LENGTH | | <u>A</u> | → | VERTICAL PIPE VALVE | | |
| | 2'-6" FTR 28 | EQUIPMENT UNIT IDENTIFICATION EQUIPMENT UNIT NUMBER | GLV | <u> </u> | | GLOBE VALVE | | |
| | | — RADIATOR ENCLOSURE LENGTH (OR W-W=WALL-TO-WALL) | BFV | ─-} | → | BUTTERFLY VALVE | | |
| | \Diamond | KEY NOTE REFERENCE | BV | — | → | BALL VALVE | | |
| | 1 | KITCHEN/OWNER/MEDICAL EQUIPMENT REFERENCE | CV | <u>_</u> | - | CHECK VALVE | | |
| | \Diamond | TYPICAL ROOM REFERENCE (TOP = RM #, BOTTOM = FLR) | | —————————————————————————————————————— | —₩ — | SOLENOID / MOTORIZED VALVE | | |
| | • | POINT OF CONNECTION, NEW TO EXISTING | | | —₩ — | BUTTERFLY SOLENOID VALVE | | |
| | - | DIRECTION OF FLOW IN PIPE | | —-дн | | HOSE END DRAIN VALVE | | |
| | [:::::::::::::::::::::::::::::::::::::: | DUCTWORK, PIPING AND EQUIPMENT TO BE REMOVED | P/T | | | PRESSURE / TEMPERATURE TAP | | |
| (E) | | EXISTING | | | | STRAINER | | |
| (N) | | NEW | | | | STRAINER W/ BLOWDOWN | | |
| (R) | | RELOCATED | | | | BRAIDED FLEXIBLE PIPE CONNECTOR | | |
| (F) | | FUTURE | | <u>—</u> s— | | DOUBLE-BOWL FLEXIBLE PIPE CONNECTOR | | |
| DIA | | DIAMETER | | — Q | | THERMOMETER | | |
| WAD | | WALL ACCESS DOOR | | 9 | | PRESSURE GAUGE | | |
| NIC | | NOT IN CONTRACT | | <u> </u> | | SIGHT GLASS | | |
| AFF | | ABOVE FINISHED FLOOR | C.A.P. | | | CEILING ACCESS PANEL | | |
| GC | | GENERAL CONTRACTOR | | <u> </u> | — | PUMP | | |
| MC | | MECHANICAL CONTRACTOR | ТВ | | | THRUST BLOCK | | |
| EC | | ELECTRICAL CONTRACTOR | | | | MANUAL AIR VENT | | |
| UNO | | UNLESS NOTED OTHERWISE | | | | AUTOMATIC AIR VENT | | |

| | DOUBLE/SINGLE LINE DUCT LEGEND (Not all symbols listed below are used on these drawings) | | | | | | | | | | | |
|-------------|--|---------------------|-----------------------------|--------------------------|-------------------|-------------|-------------|--|--|--|--|--|
| SINGLE LINE | DOUBLE LINE | SINGLE LINE | DOUBLE LINE | SINGLE LINE | DOUBLE LINE | SINGLE LINE | DOUBLE LINE | | | | | |
| 45° TEE | E (ROUND) | SEE D 90° TEE (R | ECTANGULAR) | RIGID 7 FLEX | RIGID — FLEX DUCT | 90° RADIUS | SELBOW | | | | | |
| 45° TEE (R | ECTANGULAR) | | CONICAL TEE (ROUND) | —ф_ MANUAL VOI | LUME DAMPER | 90° ELE | sow | | | | | |
| DUC | r SPLIT | MITH V | EOFF //OLUME // MPER RUNOUT | 20 8 REDU | JCER . | 45° ELE | sow Sow | | | | | |

| ABBR. | SYMBOL | DESCRIPTION | ABBR. | SYMBOL | DESCRIPTION |
|--|--|---|----------|--------------|--|
| HWS | | HOT WATER SUPPLY PIPING | | | SUPPLY DUCT UP / DOWN |
| HWR | | HOT WATER RETURN PIPING | | | RETURN DUCT UP / DOWN |
| CHWS | | CHILLED WATER SUPPLY PIPING | | | EXHAUST DUCT UP / DOWN |
| CHWR | | CHILLED WATER RETURN PIPING | | 10110 | ROUND DUCT UP / ROUND DUCT DOWN |
| D | | COOLING COIL DRAIN PAN PIPING | | CED | FLAT OVAL DUCTWORK |
| CWS | | CONDENSER WATER SUPPLY PIPING | 11 | | FLEXIBLE DUCT CONNECTION |
| CWR | | CONDENSER WATER RETURN PIPING | BDD | ¥ } | BACKDRAFT DAMPER |
| GHWS | Ī | GLYCOL HEATING WATER SUPPLY PIPING | TCD | | TEMP. CONTROL DAMPER-OPPOSED BLADE |
| GHWR | 1 | GLYCOL HEATING WATER RETURN PIPING | TCD | 7777 | TEMP. CONTROL DAMPER- PARALLEL BLADE |
| PCWS | 1 | PROCESS CHILLED WATER SUPPLY PIPING | 11 | ‡ | LOUVER WITH SCREEN |
| PCWR | | PROCESS CHILLED WATER RETURN PIPING | MVD | | MANUAL VOLUME DAMPER |
| LPS | | LOW PRESSURE STEAM SUPPLY PIPING (0 - 15#) | MD | | DUCT MOTORIZED DAMPER |
| LPC | | LOW PRESSURE CONDENSATE RETURN PIPING | 11 | | SPIN-IN FITTING WITH MVD |
| MPS | <u> </u> | MEDIUM PRESSURE STEAM SUPPLY PIPING (16# - 60#) | FD | | DUCT FIRE DAMPER |
| MPC | | MEDIUM PRESSURE CONDENSATE RETURN PIPING | FSD | | COMBINATION DUCT SMOKE & FIRE DAMPER |
| HPS | | HIGH PRESSURE STEAM SUPPLY PIPING (61# - 125#) | SD | | DUCT SMOKE DAMPER |
| HPC | | HIGH PRESSURE CONDENSATE RETURN PIPING | | F | DUCT SMOKE DETECTOR |
| PC | İ | PUMPED CONDENSATE PIPING | DAD | $\dot{\Box}$ | DUCT ACCESS DOOR |
| BBD | İ | BOILER BLOWDOWN PIPING | | | |
| BF | İ | BOILER FEED WATER PIPING | TI . | | TURNING VANES IN DUCT ELBOW |
| RL | | REFRIGERANT LIQUID PIPING | EP | ₽ | ELECTRIC-PNEUMATIC CONTROL VALVE |
| RS | | REFRIGERANT SUCTION PIPING | PE | Q≃ | PNEUMATIC-ELECTRIC CONTROL SWITCH |
| RHG | 1 | REFRIGERANT HOT GAS PIPING | 11 | S ES | WALL SWITCH / EMERGENCY SWITCH |
| TT | ⊗π | THERMOSTATIC STEAM TRAP | 11 | T | WALL MOUNTED THERMOSTAT |
| F&T | ⊗ _{F&T} | FLOAT AND THERMOSTATIC STEAM TRAP | 1 | @ | WALL MOUNTED CARBON DIOXIDE SENSOR |
| IBT | □ _{IBT} | INVERTED BUCKET STEAM TRAP | 1 | 02 | WALL MOUNTED OXYGEN SENSOR |
| TCV | - 🛱 🚡 | (2 OR 3-WAY) TEMPERATURE CONTROL VALVE | 1 | Н | HUMIDISTAT |
| | —⊯— | VENTURI METER | 1 | abla | UNIT MOUNTED THERMOSTAT |
| BV | —¥ — | CALIBRATED BALANCING VALVE | | -⊍ ► | UNDERCUT DOOR |
| AFV | → | AUTO FLOW VALVE | | RISE | DUCT RISE |
| RSV | - | REFRIGERANT SERVICE VALVE | 1 | DROP | DUCT DROP |
| DPS | —————————————————————————————————————— | DIFFERENTIAL PRESSURE SWITCH | A.L. | | ACOUSTICALLY LINED DUCTWORK |
| FS | | FLOW SWITCH | TCOAD | | TEMPERATURE CONTROL OUTSIDE AIR DAMPER |
| EJ | | EXPANSION JOINT | TCRAD | 1 | TEMPERATURE CONTROL RETURN AIR DAMPER |
| ВЈ | — • | BALL JOINT EXPANSION COMPENSATOR | TCEAD | | TEMPERATURE CONTROL EXHAUST AIR DAMPER |
| | | | SP IN WC | 1 | STATIC PRESSURE IN INCHES WATER COLUMN |
| | | | SD | | SUPPLY AIR DEVICE |
| <u> </u> | 411.114.15 | | RG | | RETURN AIR DEVICE |
| 1 | ——1" HWR ——1" HWS | SUPPLY AND RETURN BRANCH PIPING | RG | | RETURN AIR DEVICE WITH SOUND BOOT |
| } | | TO TERMINAL UNIT | EG | | EXHAUST AIR DEVICE |

HVAC PLAN NOTES:

1. ALL SUPPLY AIR DIFFUSERS ARE 4-WAY AIR PATTERN UNLESS SHOWN

- 2. DUCT SIZE OF BRANCH DUCT TO AIR DEVICE SHALL BE THE SAME SIZE AS NECK SIZE OF AIR DEVICE UNLESS NOTED OTHERWISE.
- 3. ALL HEATING WATER SUPPLY AND RETURN BRANCH PIPING TO TERMINAL BOXES SHALL BE 3/4" UNLESS NOTED OTHERWISE. ALL PIPING TAKE-OFFS FROM MAINS SHALL BE TOP TAKE-OFFS WITH SWING JOINTS.
- 4. BRANCH DUCT SIZE TO INLET OF ALL TERMINAL BOXES SHALL BE THE SAME SIZE AS THE INLET SCHEDULED UNLESS NOTED OTHERWISE. BRANCH DUCTS TO TERMINAL BOXES EXCEEDING 15' OR TWO ELBOWS, SHALL BE UP-SIZED TO NEXT STANDARD DIAMETER.
- 5. UNLESS OTHERWISE NOTED, ALL SUPPLY AIR DUCTWORK SHALL BE EXTERNALLY WRAPPED TO THICKNESS AS STATED IN SPECIFICATIONS. RETURN AND EXHAUST DUCTWORK IS NEITHER LINED NOR WRAPPED.
- 6. DUCT SIZES INDICATED ARE FREE AREA SIZES. WHERE INTERNAL DUCT LINING IS PROVIDED, SHEET METAL SHALL BE INCREASED IN SIZE TO ACCOUNT FOR THE THICKNESS OF THE LINER.

- CONDITIONS TO REMAIN ARE DENOTED LIGHTLY.
- 4. COORDINATE WORK WITH ALL TRADES.
- 8. CONTRACTOR SHALL NOT SHUT DOWN / TAKE OUT OF SERVICE ANY SYSTEMS

- 1. EXISTING ITEMS TO REMAIN ARE DENOTED LIGHTLY UNLESS OTHERWISE NOTED. ALL ITEMS SHOWN DASHED & BOLD SHALL BE REMOVED UNLESS
- OR SERVICE WITHOUT FIRST COORDINATING WITH THE OWNER.
- RESULT AS INDICATED BY THE CONTRACT DOCUMENT.
- DEMOLITION TO FACILITATE ALL WORK INDICATED BY THE CONTRACT
- 6. ALL ITEMS IDENTIFIED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY UNLESS OTHERWISE NOTED. REMOVED ITEMS SHALL BE TURNED OVER TO THE OWNER UNLESS OTHERWISE NOTED AND STORED IN THE AREA DESIGNATED BY THE OWNER. REMOVE FROM SITE AND LEGALLY DISPOSE OF ALL ITEMS THE OWNER CHOOSES NOT TO ACCEPT.
- ORIGINAL CONDITIONS.
- SHALL BE CUT BACK TO WITHIN CONCRETE AND FILLED WITH GROUT TO

GENERAL NOTES:

- 1. WORK INCLUDED IN THE CONTRACT IS DENOTED IN BOLD. EXISTING
- 2. A DETAILED METHOD OF PROCEDURE IS REQUIRED WHEN A CONSTRUCTION OR ESSENTIALLY AFFECTS THE BUILDING MANAGEMENT, OPERATIONS OR SECURITY.
- 3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK AND SHALL NOTIFY THE ENGINEER/ARCHITECT OF ANY DISCREPANCIES FOR RESOLUTION.
- 6. COORDINATE ALL DUCTWORK AND PIPING WITH EQUIPMENT, STRUCTURE,
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR DEACTIVATION OF ROOF-MOUNTED EQUIPMENT AND ASSOCIATED INDOOR EQUIPMENT. ONLY ONE UNIT SHALL BE TAKEN OUT OF SERVICE AT ANY TIME, WITH REMAINDER OF UNITS LEFT OPERATIONAL.
- WITHOUT FIRST COORDINATING WITH OWNER AND PREPARING M.O.P.

- OTHERWISE NOTED.
- UNDERSTAND THE EXTENT OF THE REMODEL WORK REQUIRED PRIOR TO BID. NO EXTRAS WILL BE ALLOWED FOR WORK REQUIRED TO ACHIEVE THE END
- 5. PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK, VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOR RESOLUTION.
- ACHIEVE A SMOOTH AND EVEN FINISH WITH CONCRETE SURFACE.

- ACTIVITY AFFECTS THE SAFETY OF THE OCCUPANTS, OWNER'S EQUIPMENT OR VALUABLE CONTENTS OR ANY SYSTEM WHICH SUPPORTS THESE SYSTEMS;

- 5. CONTRACTOR IS RESPONSIBLE FOR SECURING AND WEATHERPROOFING ANY ROOF OPENING NOT COMPLETED DURING WORKING HOURS.

DEMOLITION GENERAL NOTES:

- 2. CONTRACTOR SHALL NOT SHUT-OFF OR PUT OUT OF SERVICE ANY SYSTEMS
- 3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND
- 4. CONTRACTOR SHALL DETERMINE AND COORDINATE THE EXACT EXTENT OF

- 7. WHERE EXISTING PIPING, T.C. TUBING/WIRING ETC. ARE TO BE REMOVED FROM WALLS WHICH ARE REMAINING, THE WALLS SHALL BE REPAIRED TO MATCH
- 8. WHERE EXISTING PIPING TO BE REMOVED PASSES THROUGH FLOORS, THEY

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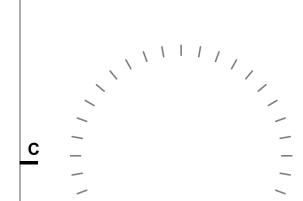
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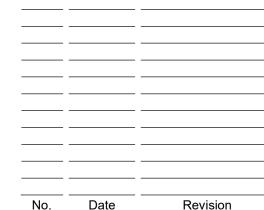
SING

hord coplan macht ARCHITECTURE

LANDSCAPE ARCHITECTURE PLANNING

INTERIOR DESIGN





Project Name B NURSING RENOVATION

Project Number

2021-200 Date (YYYY/MM/DD) 2021/10/01

Drawn By

MECHANICAL LEGENDS &

NOT FOR CONSTRUCTION

DESIGN DEVELOPMENT

| DUCT PRESSURE CLASSIFICATION SCHEDULE | | | | | | | | | | |
|---------------------------------------|------------------|----------------|-----------------------------------|--|--|--|--|--|--|--|
| DUCT TYPE | MATERIAL | PRESSURE CLASS | REMARKS | | | | | | | |
| MEDIUM PRESSURE SUPPLY | GALVANIZED STEEL | +4" | BETWEEN SYSTEM FAN & TERMINAL BOX | | | | | | | |
| LOW PRESSURE SUPPLY | GALVANIZED STEEL | +2" | BETWEEN TERMINAL BOX & ROOM | | | | | | | |
| RETURN / TRANSFER AIR | GALVANIZED STEEL | +/-2" | | | | | | | | |

| | TERM |
|----------------------|-----------|
| EMARKS | REQUIREME |
| M FAN & TERMINAL BOX | |
| RMINAL BOY & ROOM | |

MINAL BOX SCHEDULE (HOT WATER HEAT)

MENTS APPLYING TO ALL TERMINAL BOXES:

- A. PROVIDE BOX SELECTION TO MEET LAT, DESIGN CFM AND HEATING MBH. FINAL GPM SHALL BE SET DURING BALANCING TO FLOW RATES IN LISTED PRODUCT DATA SUBMITTALS. B. MAXIMUM STATIC PRESSURE IS BASED ON WIDE OPEN UNIT AT MAXIMUM FLOW FOR TERMINAL BOX WITH 2-ROW COIL.
- C. HEATING WATER SYSTEM CONTAINS 0% PROPYLENE GLYCOL.
- D. 2-ROW HEATING COIL CONDITIONS SHOWN. 1 & 2 ROW HEATING COILS ACCEPTABLE COMPLIANT WITH MBH, WATER FLOW, AIR & WATER PRESSURE DROP REQUIREMENTS & LIMITATIONS. E. USE OF 3- & 4-ROW COILS MUST BE SPECIFICALLY IDENTIFIED BY THE SUPPLIER & ACCEPTED BY THE ENGINEER FOR EACH LOCATION PROPOSED.
- F. TERMINAL BOX MAXIMUM AIR FLOW CAPABILITIES: 6"=450 CFM, 7'=650 CFM, 8"=800 CFM, 9"=1050 CFM, 10"=1350 CFM, 12"=2000 CFM, 14"=3000 CFM, 16"=4000 CFM & 24"x16"=8000 CFM. G. MINIMUM 2-ROW COILS REQUIRED ON ALL PERIMETER BOXES.
- H. REFER TO MECHANICAL LEGENDS AND NOTES SHEET FOR PROJECT ELEVATION.

1. EXISTING TERMINAL BOX TO BE RE-USED, RE-INSTALLED, AND RE-BALANCED TO THE CFM SHOWN.

| DESI | G. | INTERIOR OR | | | | AIR PRESS DROP | COOLING D | DESIGN CFM | HEATING | | HE | ATING WATER | COIL DA | ATA | | MODULATING | | |
|------|--------|----------------|-------|-------|---------------------|------------------------------|--------------------|--------------------|-----------------------|--------|--------|-------------|---------|---------------------------|--------|--------------------|-----------------------|---------|
| TYPE | NO. | PERIMETER ZONE | MFR | MODEL | INLET SIZE (IN.) | MAX (IN W.C.) (SEA LEVEL) | MAXIMUM AT ELEV | MINIMUM AT ELEV | DESIGN CFM AT ELEV | EAT °F | LAT °F | MBH | GPM | WATER P.D. MAX (FT WC) | EWT °F | CONTROL VALVE TYPE | SOUND ATTEN. (Y/N) | REMARKS |
| TB | 2-1-1 | PERIMETER | PRICE | SDV | 12 | 0.74 | 1200 | 360 | 360 | 55 | 90 | 10.9 | 0.8 | 6.6 | 160 | 2-WAY | No | |
| TB | 2-1-2 | PERIMETER | PRICE | SDV | 12 | 0.74 | 1300 | 390 | 640 | 55 | 90 | 19.4 | 1.6 | 6.6 | 160 | 2-WAY | No | 1 |
| TB | 2-1-3 | INTERIOR | PRICE | SDV | 8 | 0.38 | 380 | 115 | 115 | 55 | 80 | 2.5 | 0.5 | 0.8 | 160 | 2-WAY | No | |
| TB | 2-1-5 | PERIMETER | PRICE | SDV | 10 | 0.38 | 660 | 200 | 320 | 55 | 90 | 9.7 | 0.8 | 2.1 | 160 | 2-WAY | No | |
| TB | 2-1-6 | INTERIOR | PRICE | SDV | 12 | 0.74 | 1500 | 450 | 450 | 55 | 80 | 9.7 | 0.8 | 6.6 | 160 | 2-WAY | No | 1 |
| TB | 2-1-7 | INTERIOR | PRICE | SDV | 6 | 0.39 | 250 | 75 | 75 | 55 | 80 | 1.6 | 0.5 | 0.6 | 160 | 2-WAY | No | 1 |
| TB | 2-1-8 | INTERIOR | PRICE | SDV | 12 | 0.74 | 1100 | 330 | 330 | 55 | 80 | 7.1 | 0.6 | 6.6 | 160 | 2-WAY | No | 1 |
| TB | 2-1-9 | PERIMETER | PRICE | SDV | 8 | 0.59 | 885 | 265 | 885 | 55 | 90 | 26.8 | 2.2 | 3.2 | 160 | 2-WAY | No | |
| TB | 2-1-10 | INTERIOR | PRICE | SDV | 8 | 0.38 | 440 | 130 | 130 | 55 | 80 | 2.8 | 0.5 | 0.8 | 160 | 2-WAY | No | |
| TB | 2-1-11 | PERIMETER | PRICE | SDV | 6 | 0.46 | 560 | 170 | 560 | 55 | 90 | 17.0 | 1.4 | 1.3 | 160 | 2-WAY | No | |
| TB | 2-1-12 | PERIMETER | PRICE | SDV | 6 | 0.46 | 560 | 170 | 560 | 55 | 90 | 17.0 | 1.4 | 1.3 | 160 | 2-WAY | No | |
| TB | 2-1-13 | INTERIOR | PRICE | SDV | 6 | 0.39 | 320 | 95 | 95 | 55 | 80 | 2.1 | 0.5 | 0.6 | 160 | 2-WAY | No | |
| TB | 2-1-14 | INTERIOR | PRICE | SDV | 8 | 0.38 | 370 | 110 | 110 | 55 | 80 | 2.4 | 0.5 | 0.8 | 160 | 2-WAY | No | |

PLUMBING FIXTURE SCHEDULE

1. REFER TO GENERAL SPECIFICATIONS FOR WATER CLOSETS, URINALS, LAVATORIES, SINKS AND MISCELLANEOUS FIXTURE REQUIREMENTS. 2. GRAB BARS BY ARCHITECT.

3. THIS SCHEDULE INCLUDES ITEMS THAT MAY NOT BE INCLUDED IN THE DRAWING DOCUMENTS.

4. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND MOUNTING HEIGHT

| | | FIXTURE | | | | Λ | ELECTRICAL | | CONNECTIONS | | | | |
|-------|----------------|---|--------------|---------------------------------|----------------|------------|------------------------|---------|-------------|--------|------|------|---------|
| | | | | | | | ACCESSORY REQUIREMENTS | | | | | | |
| DESIG | . FIXTURE NAME | FIXTURE DESCRIPTION | MANUFACTURER | MODEL SIZE | MANUFACTURER | MODEL | I.R/BATTERY/HP | FLOW | WASTE | VENT | CW | HW | REMARKS |
| S-1 | 1 COMPT. SINK | SELF-RIMMING, STAINLESS STEEL, 2-HOLE PUNCH OFF-CENTER DRAIN, MANUAL OPERATED FAUCET AT 2.2 GPM | ELKAY | DSESR12722 15" X 17" X 6 | 1/2" T&S BRASS | 786-XKABCP | MANUAL | 2.2 GPM | 2" | 1-1/2" | 1/2" | 1/2" | 1-4 |
| S-2 | 2 COMPT. SINK | SELF-RIMMING, STAINLESS STEEL, 2-HOLE PUNCH OFF-CENTER DRAIN, MANUAL OPERATED FAUCET AT 2.2 GPM | ELKAY | MLR-3319 33" X 19-1/2 7-5/8" | X T&S BRASS | BL-5700-8 | MANUAL | 2.2 GPM | 2" | 1-1/2" | 1/2" | 1/2" | 1-4 |

| AIR DE | VICE SCHEDUL | _E | | | | | | | |
|--------|--------------------------|---|-------|-------|-------------|-------------|----------|--------|--|
| ~ | | | | | | | | | E AIR DEVICE BY THE CONTRACTOR INSTALLING UIRES AN INTEGRAL MANUAL VOLUME DAMPER. |
| DESIG. | FUNCTION | STYLE | MFR. | MODEL | FRAME STYLE | MODULE SIZE | MATERIAL | FINISH | REMARKS |
| А | CEILING SUPPLY | PLAQUE FACE FIXED PATTERN, RECTANGULAR DIFFUSER | PRICE | SPD | LAY-IN | 24x24 | STEEL | WHITE | |
| B2 | CEILING RETURN, TRANSFER | MODULAR PERFORATED FACE GRILLE | PRICE | PDDR | LAY-IN | SEE PLANS | STEEL | WHITE | |
| D | SIDEWALL RETURN, EXHAUST | FIXED ANGLE VANES, 3/4" O.C. | PRICE | 530 | SURFACE | SEE PLANS | STEEL | WHITE | BLADES PARALLEL WITH LONG DIMENSION, UPTURNED FOR VISION BLOCK |
| E2 | SIDEWALL SUPPLY | ADJUSTABLE VANES, DOUBLE DEFLECTION, 3/4" | PRICE | 520 | SURFACE | SEE PLANS | STEEL | WHITE | |

1. REFER TO ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS, INCLUDING COORDINATION OF VOLTAGE, PHASE, SCCR, WIRE SIZES, AND OVERCURRENT PROTECTIVE DEVICES. REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR MINIMUM FAULT CURRENT RATING THAT EACH UNIT SHALL EXCEED. UNIT NAMEPLATE SHALL INDICATE THE SHORT CIRCUIT CURRENT RATING. 2. PROVIDE VIBRATION MOUNTINGS PER NFPA 99.

3. ALL EQUIPMENT TO BE SIZED FOR 5,800 FT. ELEVATION.

| 4 | . PROVIDE | WITH DESICCAN | T DRYER (TO MA | TCH SCFM). | | | | | | | | |
|------|-----------|---------------|----------------|-------------------|------|------------------|-----------|-------|---------------|----|----|---------|
| DES | IG. | | | | | E | LECTRICAL | | SIZE (INCHES) | | | |
| NAME | NO. | MFR. | MODEL | SERVICE | SCFM | NUMBER OF MOTORS | VOLTAGE | PHASE | L | w | н | REMARKS |
| AC | 1 | POWEREX | MTSD0503 | COMPRESSED AIR | 16.6 | 2 | 460 | 3 | 31 | 73 | 68 | 1-4 |
| MVP | 1 | POWEREX | VVODTD0303 | VACUUM | 13.5 | 1 | 460 | 3 | 36 | 53 | 90 | 1-3 |

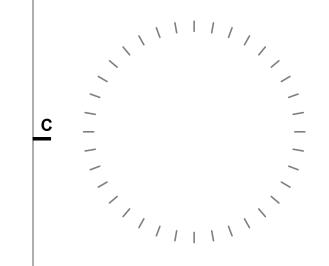
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hord | coplan | macht ARCHITECTURE LANDSCAPE ARCHITECTURE

PLANNING INTERIOR DESIGN

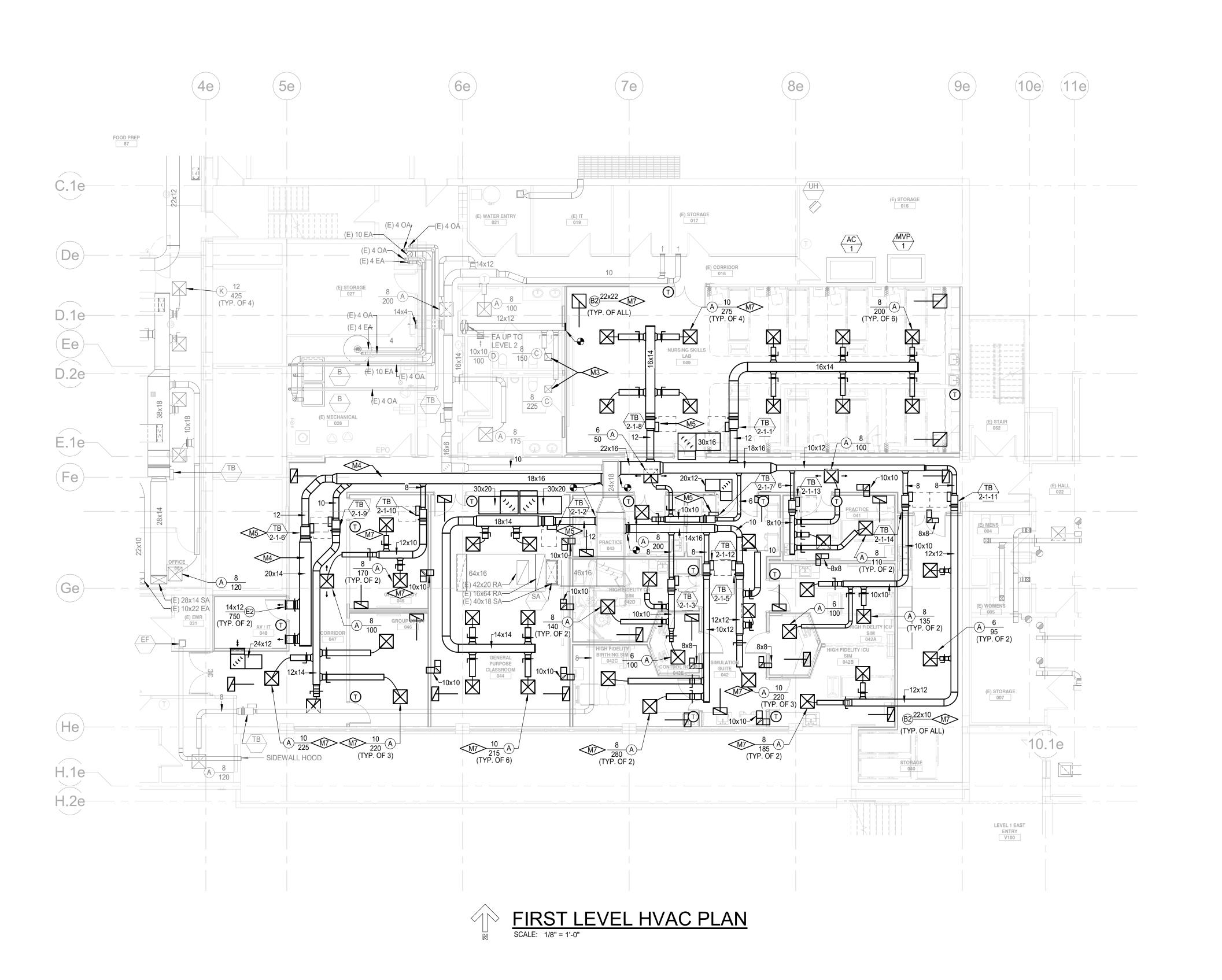


Project Name B NURSING RENOVATION Project Number 2021-200 Date (YYYY/MM/DD) 2021/10/01

> Drawn By MECHANICAL SCHEDULES

NOT FOR CONSTRUCTION

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KEYNOTES

M7 RE-USE EXISTING DIFFUSER. CONTRACTOR TO VERIFY QUANTITY AND QUALITY OF EXISTING DIFFUSERS.

RE-BALANCED TO THE CFM SHOWN.

M3 RE-BLANCE EXISTING GRILLES TO CFM SHOWN.
M4 COORDINATE DUCT ROUTING WITH CABLE TRAY CONTRACTOR. M5 EXISTING TERMINAL BOX TO BE RE-USED, RE-INSTALLED, AND

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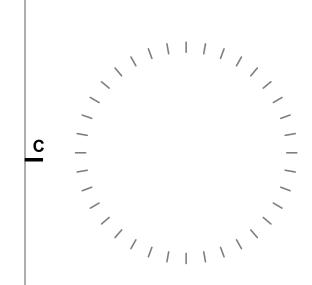
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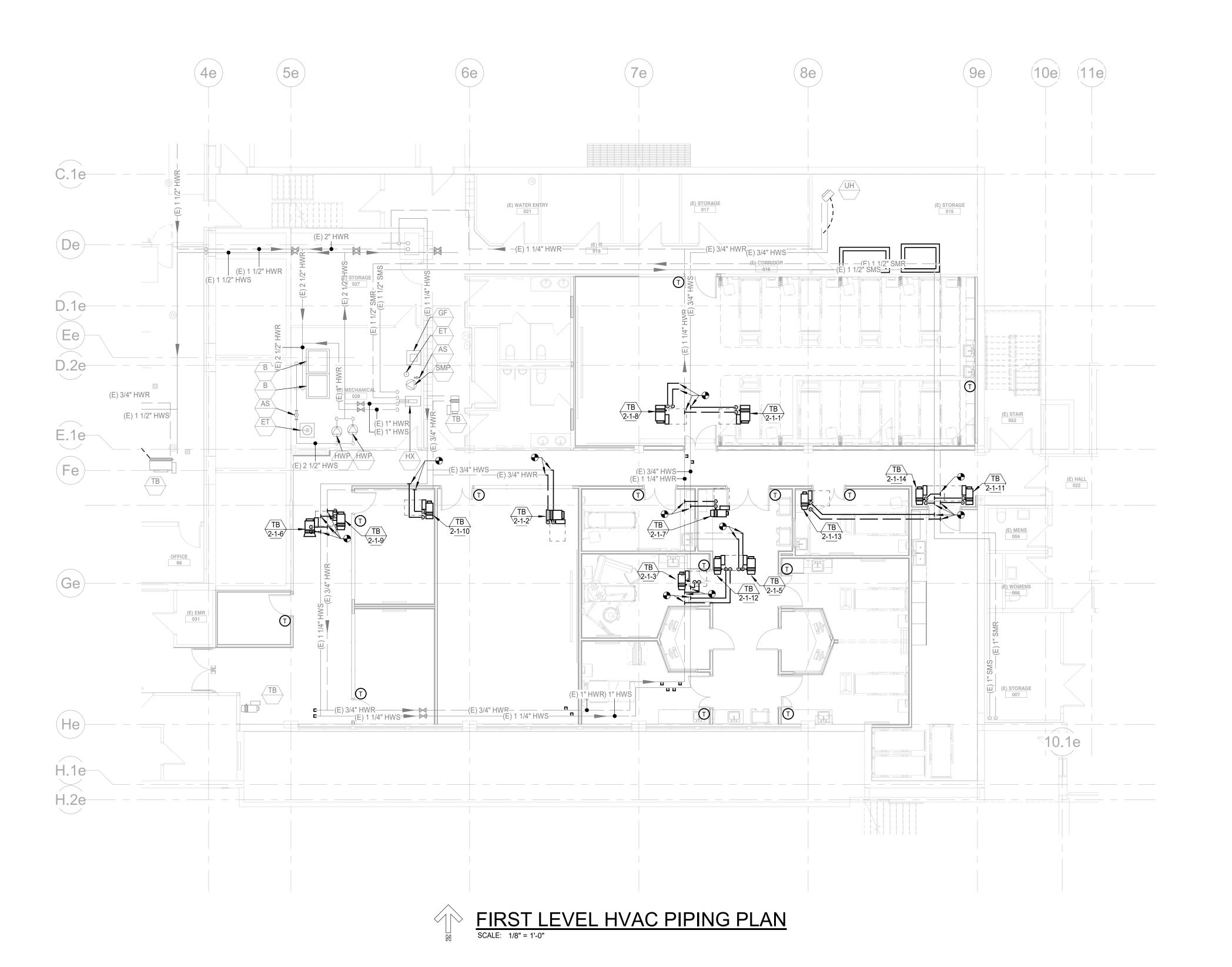
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FIRST LEVEL HVAC PLAN

M-101

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DESIGN DEVELOPMENT



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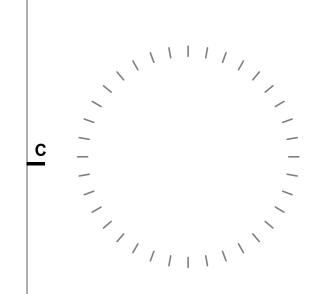
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COLORADO MOUNTAIN COLLEGE
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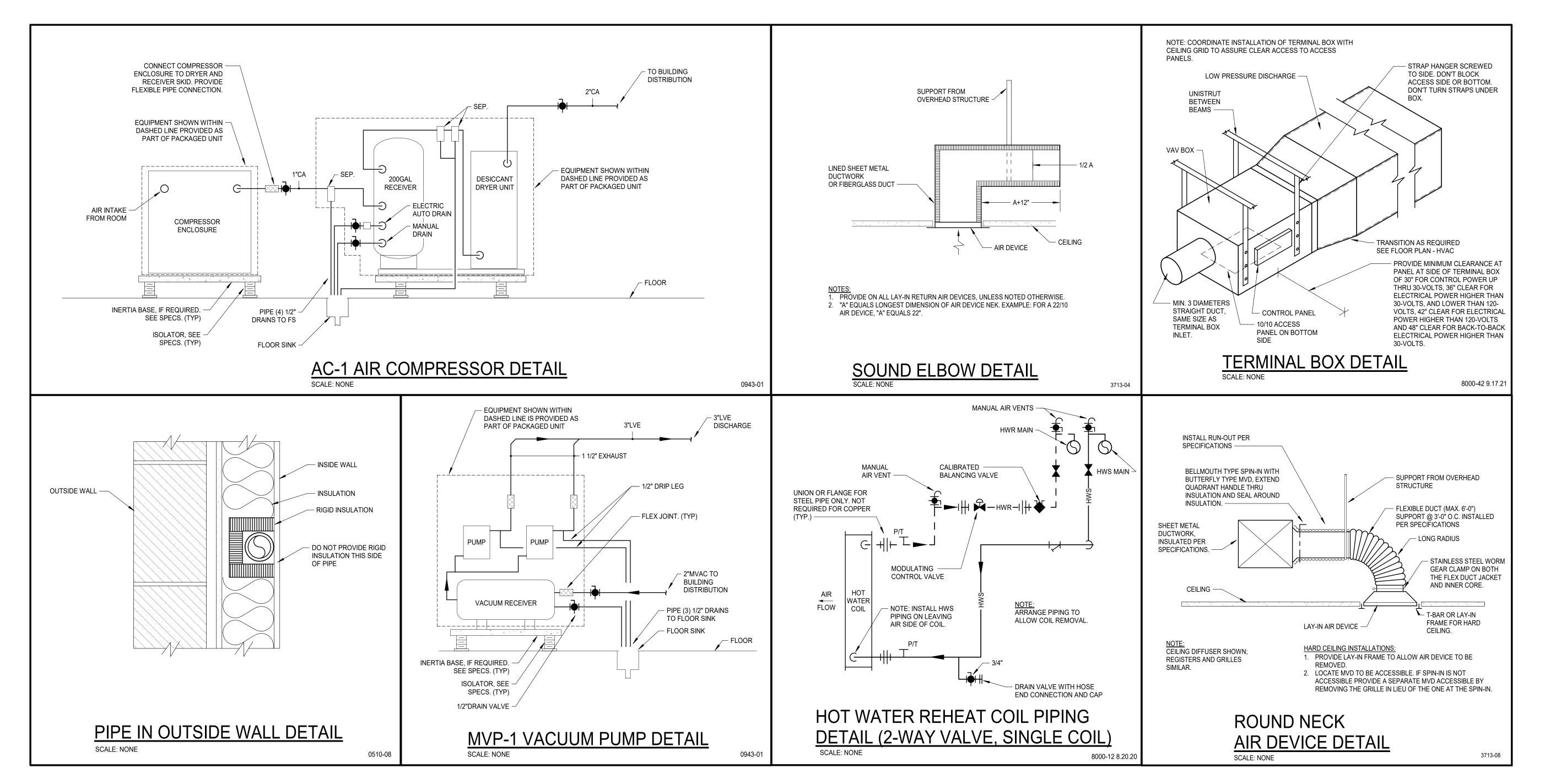
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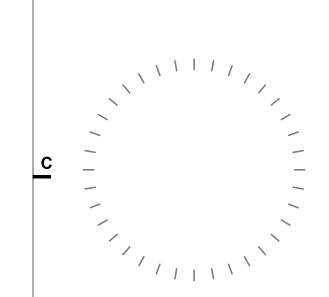
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Date (YYYY/MM/DD)
2021/10/01

Drawn By Checked By
SP SC

Drawing
MECHANICAL DETAILS

M-401

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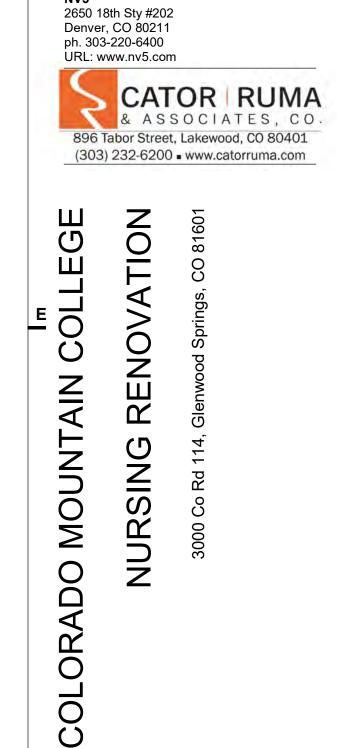
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(E) STORAGE 015



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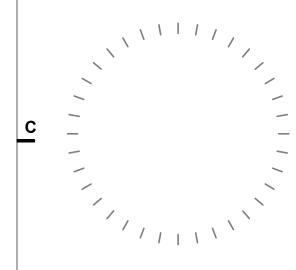
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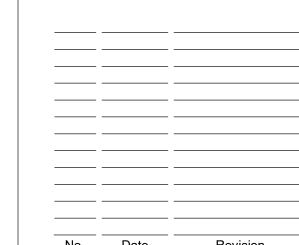
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FIRST LEVEL HVAC
DEMOLITION PLAN

MD101

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13

FIRST LEVEL HVAC DEMOLITION PLAN

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

(E) STORAGE 017

M6> ■

(E) CORRIDOR 016

₩1>

(6e)

(E) STORAGE 027

De

D.2e

E.1e Fe

Ge

H.1e H.2e

KEYNOTES

M1 REMOVE VAV'S, GRILLES, AND ASSOCIATED DUCTWORK. SALVAGE VAV'S AND DIFFUSERS FOR RE-USE.

M2 RUNTAL RADIATOR TO BE REMOVED AND RETURNED TO OWNER.

(10e) (11e)

₹10.1e

(E) STORAGE 015



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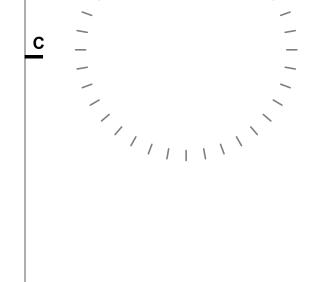
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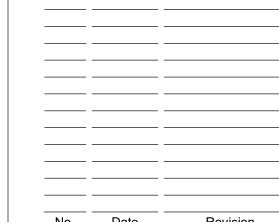
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Drawing
FIRST LEVEL HVAC PIPING
DEMOLITION PLAN

MD111

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3

FIRST LEVEL HVAC PIPING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

(E) STORAGE 017

(6e)

(E) WATER ENTRY

(TYP.)

FOOD PREP 87

E.1e Fe

H.1e H.2e

| | LIGHTING (Not all symbols listed below | LEGEI are used on the | ND nese drawings) |
|-----------------------|---|--------------------------|---|
| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
| a | SHADING INDICATES EM SYSTEM, LOWER CASE SUBSCRIPT INDICATES SWITCHING, UPPER CASE SUBSCRIPT INDICATES | \Longrightarrow | DECORATIVE ADJUSTABLE ACCENT DOWNLIGHT |
| A | LUMINAIRE TYPE (TYP) | | SQUARE DOWNLIGHT |
| | SURFACE OR PENDANT MOUNTED LUMINAIRE | / | SQUARE WALL WASH DOWNLIGHT |
| | LENSED TROFFER | ፟ | SQUARE ADJUSTABLE ACCENT DOWNLIGHT |
| | DIRECT/INDIRECT TROFFER | 0 | SQUARE DOWNLIGHT |
| • | PATIENT OVERBED LIGHT | 0> | SQUARE WALL WASH DOWNLIGHT |
| • | DIRECT/INDIRECT DISTRIBUTION, SUSPENDED LINEAR PENDANT | ⅎ | SQUARE ADJUSTABLE ACCENT DOWNLIGHT |
| •• | INDIRECT DISTRIBUTION, SUSPENDED LINEAR PENDANT | | DECORATIVE PENDANT |
| •• | DIRECT DISTRIBUTION, SUSPENDED LINEAR PENDANT | \rightarrow | PENDANT |
| | DIRECT/INDIRECT DISTRIBUTION, WALL MOUNT LINEAR | | RECESS MOUNTED WALL LUMINAIRE |
| | INDIRECT DISTRIBUTION, WALL MOUNT LINEAR | Ю | WALL PACK OR EXTERIOR NON-DECORATIVE WALL SIGNAGE |
| | DIRECT DISTRIBUTION, WALL MOUNT LINEAR | ₩ | DECORATIVE SCONCE |
| | DECORATIVE LINEAR WALLMOUNT | ○ → | DECORATIVE POLE |
| ⊢ • | STRIP LINEAR WALLMOUNT | ⊶ ∅ | POLE |
| \longmapsto | SURFACE OR PENDANT MOUNTED STRIP OR INDUSTRIAL LUMINAIRE | 0 | BOLLARD |
| | THEATRICAL PIPE OR TRACK LIGHTING | ■ ® _{PC} | PORCELAIN KEYLESS LAMPHOLDER, BRYANT #5228 W/ |
| ∇ | TRACK HEAD | - PC | 100W A19, I.F. LAMP. 'PC' INDICATES PULLCHAIN |
| 0 | SURFACE DOWNLIGHT | 4_4 | EMERGENCY LIGHTING UNIT |
| Ø | DOWNLIGHT | ⋈ | EXTERIOR STAKE MOUNTED |
| > | WALL WASH DOWNLIGHT | ~ | DOCK LIGHT |
| $\Diamond \! \rangle$ | ADJUSTABLE ACCENT DOWNLIGHT | 00 | DARKROOM SAFE LIGHT (TWO COMPARTMENT SHOWN) |
| 0 | DECORATIVE DOWNLIGHT | <u> </u> | UNDERCABINET LIGHT |
| ⊕> | DECORATIVE WALL WASH DOWNLIGHT | ▼ | EXIT LIGHT, ARROWS AS INDICATED, FACES INDICATED BY SHADING |

| (Not all symbols listed below are used on these drawings) | | | | | | | | | | |
|---|---|-----------------|--|--|--|--|--|--|--|--|
| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION | | | | | | | |
| Sa | SINGLE POLE SWITCH (SUBSCRIPT DENOTES SWITCHING) | S _{VS} | VARIABLE SPEED/SPEED CONTROLLER SWITCH | | | | | | | |
| S ₂ | TWO POLE SWITCH | S _{EP} | EXPLOSION PROOF SWITCH | | | | | | | |
| S ₃ | THREE-WAY SWITCH | S _{TO} | THERMAL OVERLOAD SWITCH | | | | | | | |
| S ₄ | FOUR-WAY SWITCH | S _{MC} | MOMENTARY CONTACT SWITCH | | | | | | | |
| s _K | KEY OPERATED SWITCH | Q S | COMBINATION SWITCH AND DUPLEX RECEPTACLE | | | | | | | |
| S _M | MANUAL SWITCH, HORSEPOWER RATE | P | PHOTOCELL | | | | | | | |
| S _D | DIMMER SWITCH | • | PUSH BUTTON | | | | | | | |
| S _{Pl} | SWITCH WITH PILOT LIGHT (PILOT LIGHT IS 'ON' WHEN SWITCH IS 'ON') | TC | TIME CLOCK | | | | | | | |
| Sp | SWITCH WITH PILOT LIGHT LOCATOR (CONTINUOUSLY LIGHTED HANDLE) | | OCCUPANCY SENSOR - WALL, SWITCH, OR CEILING MOUNTED D=DIMMING, IR=INFRARED, US=ULTRASONIC, DT=DUAL | | | | | | | |
| S _{LV} | LOW VOLTAGE SWITCH | | TECHNOLOGY | | | | | | | |

| | REFERENCE SY (Not all symbols listed below | | |
|-------------------|---|---|---|
| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
| $\langle \rangle$ | KEY NOTE REFERENCE | 1 | KITCHEN/OWNER/MEDICAL EQUIPMENT REFERENCE |
| LPA-# | TYPICAL CIRCUIT NUMBER | Æ | EXISTING TO REMAIN |
| TG# (| TYPICAL LUMINAIRE TYPE | R | EXISTING TO BE REMOVED |
| | TYPICAL ROOM REFERENCE (TOP = RM #, BOTTOM = FLR) | RL | EXISTING TO BE RELOCATED |
| UH | MECHANICAL EQUIPMENT REFERENCE | <u>F</u> | EXISTING TO REMAIN - REPLACE DEVICE |
| LC1 | LIGHTING CONTROL / EQUIPMENT REFERENCE | <u></u> | EXISTING TO BE REMOVED AND REPLACED |

| SYMBOL | (Not all symbols listed beloe DESCRIPTION | SYMBOL | DESCRIPTION |
|--------|---|--------|---------------------------------------|
| A | AMPERES | MCP | MOTOR CIRCUIT PROTECTOR |
| AC | ABOVE COUNTER, MOUNT HORIZONTALLY TO CENTERLINE OF DEVICE, +6" ABOVE COUNTER OR BACK SPLASH | MEC | SEE MECHANICAL EQUIPMENT SCHEDULE |
| AFF | ABOVE FINISHED FLOOR | MIN | MINIMUM |
| AFG | ABOVE FINISHED GRADE | MLO | MAIN LUGS ONLY |
| ANN | ANNUNCIATOR | MTS | MANUAL TRANSFER SWITCH |
| ARF | ABOVE RAISED FLOOR | NC | NORMALLY CLOSED |
| ASSD | AIR SAMPLING SMOKE DETECTION | NIC | NOT IN CONTRACT |
| ATS | AUTOMATIC TRANSFER SWITCH | NL | NIGHT LIGHT |
| BFG | BELOW FINISHED GRADE | NO | NORMALLY OPEN |
| С | CONDUIT | NTS | NOT TO SCALE |
| CATV | CABLE TELEVISION | ОС | ON CENTER |
| СВ | CIRCUIT BREAKER | OFCI | OWNER FURNISHED, CONTRACTOR INSTALLED |
| CCTV | CLOSED CIRCUIT TELEVISION | OFOI | OWNER FURNISHED, OWNER INSTALLED |
| (E) | EXISTING | OSWF | ON SITE WORK FORCE |
| EM | EMERGENCY | РВ | PULL BOX |
| EMDC | EMERGENCY MAIN DISTRIBUTION CENTER | SB | STAND-BY |
| EP | EXPLOSION PROOF | SDC | SUB-DISTRIBUTION CENTER |
| EPO | EMERGENCY POWER OFF | TP | TAMPER PROOF |
| EVO | EMERGENCY VENTILATION ON/OFF | TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSER |
| EWC | ELECTRIC WATER COOLER | TYP | TYPICAL |
| FA | FIRE ALARM | UF | UNDER FLOOR |
| G | GROUND | UG | UNDER GROUND |
| GCP | GENERATOR CONTROL PANEL | UON | UNLESS OTHERWISE NOTED |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER | UPS | UNINTERRUPTIBLE POWER SUPPLY |
| HOA | HAND OFF AUTOMATIC | V | VOLTS |
| IG | ISOLATED GROUND | VFD | VARIABLE FREQUENCY DRIVE |
| MAX | MAXIMUM | W/ | WITH |
| MCB | MAIN CIRCUIT BREAKER | W/O | WITHOUT |
| MCC | MOTOR CONTROL CENTER | WP | WEATHER PROOF |

| | FIRE ALARM SY (Not all symbols listed below | | |
|-----------------------|--|------------------|---|
| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
| FACP | FIRE ALARM CONTROL PANEL | Шм | MANUAL PULL STATION |
| FAPS | FIRE ALARM (NAC) POWER SUPPLY | O AIM | ADDRESSABLE INPUT MODULE |
| FSA | FIRE ALARM SYSTEM ANNUNCIATOR PANEL (GRAPHIC/LED) | О АОМ | ADDRESSABLE OUTPUT MODULE |
| FAA | REMOTE ANNUNCIATOR PANEL | ⊠ H15cd | AUDIOVISUAL DEVICE (H##cd=HORN/STROBE COMBINATION S=SPEAKER/STROBE COMBINATION, C=CHIME/STROBE COMBINATION) |
| GZM | GRAPHIC ZONE MAP | □Фн | AUDIBLE DEVICE (H=HORN, S=SPEAKER, C=CHIME) |
| RACP | RESCUE ASSISTANCE SYSTEM HEAD END UNIT | X 15cd | FIRE ALARM STROBE (cd= CANDELA RATING 15, 30, 75, 110) |
| FSC | FIRE FIGHTER SMOKE CONTROL PANEL | 【 J | EMERGENCY TELEPHONE STATION (J=JACK, H=HANDSET) |
| FAD | FIRE ALARM DIRECTORY ANNUNCIATOR | RA | RESCUE ASSISTANCE TELEPHONE STATION) |
| ⊘ _P | SMOKE DETECTOR (P=PHOTOELECTRIC, SB=WITH SOUNDER BASE, BR=BEAM RECEIVER, BT=BEAM TRANSMITTER) | φ | MAGNETIC DOOR HOLD |
| ₺ _F | THERMAL DETECTOR F=FIXED TEMPERATURE, R=FIXED TEMPERATURE & RATE OF RISE (TEMP. RATING) | Q | TAMPER SWITCH |
| ⊘ uv | FLAME DETECTOR (UV=ULTRAVIOLET, IR=INFRARED) | \\$ | FLOW DETECTOR SWITCH |
| ⊚= | DUCT SMOKE DETECTOR S=SUPPLY, R=RETURN | ۶ ۷ , | PRESSURE SWITCH |
| ⊠ RTS | DUCT DETECTOR REMOTE INDICATOR ALARM AND TEST | ● _{FSD} | FIRE/SMOKE DAMPER |
| × | REMOTE INDICATOR LIGHT | ○ co | CARBON MONOXIDE ALARM/DETECTOR |

| | ONE-LINE DIAC | | |
|---------------|---|-----------------|--|
| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
| | DISCONNECT SWITCH | А | PANELBOARD "A" |
| - | DISCONNECT SWITCH, FUSED | PM | EM=ENERGY METER, PM=POWER METER, CM=CIRCUIT MONITOR |
| _^_ | CIRCUIT BREAKER | -VS | VOLTMETER TEST SWITCH |
| | FUSE | — AS — | AMMETER TEST SWITCH |
| Ť | GROUND | Ø | VOLTMETER |
| T ## | STEP DOWN TRANSFORMER, ## INDICATES KVA | A | AMMETER |
| TK ## | K-RATED STEP DOWN TRANSFORMER ## INDICATES KVA, # INDICATES K RATING | XXX | SEE FEEDER/MEC/TRANSFORMER SCHEDULES FOR FEEDER SIZE |
| 7 | CURRENT TRANSFORMER | G | ENGINE GENERATOR |
| -}⊱ | POTENTIAL TRANSFORMER | ── | CONTACTOR/RELAY/CAPACITOR (AS NOTED) |
| & OR | SERVICE ENTRANCE TRANSFORMER | .1 | TRANSFER SWITCH - ATS=AUTOMATIC, MTS=MANUAL |
| M | METER | GFI | GROUND FAULT INTERRUPTER |
| | EQUIPMENT ENCLOSURE | SPD | SURGE PROTECTIVE DEVICE |
| = | SERVICE WEATHERHEAD | §ī) | SHUNT TRIP |
| X ISCA | SHORT CIRCUIT CURRENT AVAILABLE | >> | TERMINATIONS LB=LOAD BREAK, NLB=NO LOAD BREAK |
| ⟨K⟩ a | KIRK KEY INTERLOCK, SUBSCRIPT INDICATES INTERLOCKED GROUP | - ≪ >>− | DRAW-OUT DEVICE |
| ⟨ E⟩ a | ELECTRICAL INTERLOCK, SUBSCRIPT INDICATES INTERLOCKED GROUP | <i>→</i> | PLUG-IN DEVICE |
| M | MECHANICAL INTERLOCK | EO | ELECTRICALLY OPERATED |

POWER PLAN NOTES:

- . MAKE ALL FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT REQUIRING ELECTRICAL CONNECTION. THIS SHALL INCLUDE BUT NOT BE LIMITED TO ALL MECHANICAL AND OTHER EQUIPMENT INCLUDED IN THIS PROJECT.
- 2. COORDINATE EXACT REQUIREMENTS AND LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS AND MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- 3. PROVIDE FUSES SIZED PER EQUIPMENT MANUFACTURER'S REQUIREMENTS.
- 4. DISCONNECT SWITCH LOCATIONS ARE SHOWN DIAGRAMMATICALLY AND SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS TO SUIT EQUIPMENT AND SPACE. DISCONNECT SWITCHES SHALL BE WITHIN SIGHT OF THE EQUIPMENT THEY SERVE AND MOUNTED AT 6'-3". MAXIMUM, TO TOP OF CABINET, MAINTAIN NEC WORK SPACE REQUIREMENTS.
- RECEPTACLES INDICATED TO BE MOUNTED ABOVE COUNTER ARE TO BE MOUNTED HORIZONTALLY 6" ABOVE COUNTER UNLESS OTHERWISE NOTED.
- 6. COORDINATE AND VERIFY EXACT MOUNTING LOCATIONS OF WALL AND FLOOR DEVICES WITH ARCHITECTURAL ELEVATIONS, AND ANY FURNITURE OR SPECIALTY EQUIPMENT SUPPLIER DRAWINGS PRIOR TO ROUGH-IN.
- 7. NO RECEPTACLES SHALL BE MOUNTED BELOW +18" AFF.
- 8. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH 120V CIRCUIT.
- 9. CIRCUITS MAY BE COMBINED INTO HOMERUNS OF UP TO SIX (6) CURRENT CARRYING CONDUCTORS, INCLUDING NEUTRALS, UNLESS OTHERWISE INDICATED. WHERE CIRCUITS ARE COMBINED WITHIN A SINGLE CONDUIT, PROVIDE STRIPING FOR FULL LENGTH OF NEUTRAL CONDUCTOR INSULATION TO MATCH THE COLOR CODE OF THE ASSOCIATED PHASE CONDUCTOR. SEE SPECIFICATION FOR COLOR CODES.
- 10. GFCI RECEPTACLES ARE NOT GENERALLY SHOWN ON DRAWINGS. ALL RECEPTACLE OUTLETS LOCATED IN TOILET ROOMS, SHOWER ROOMS, OUTDOOR LOCATIONS, WITHIN 6 FEET OF A SINK, OR OTHER WET LOCATIONS SHALL BE PROVIDED WITH GFCI PROTECTION PER NEC ARTICLE 210. ADDITIONAL GFCI PROTECTION TO BE PROVIDED AS INDICATED. WHERE GFCI DEVICES ARE REQUIRED AND/OR SHOWN BUT ARE NOT ACCESSIBLE WHEN EQUIPMENT IS INSTALLED. I.E. VENDING MACHINES. ETC., PROVIDE BLANK FACE GFCI DEVICE AND COVERPLATE AHEAD OF INACCESSIBLE RECEPTACLES. MOUNT ADJACENT TO EQUIPMENT AT SWITCH HEIGHT UNLESS OTHERWISE SHOWN.

ONE-LINE DIAGRAM NOTES:

- 1. PANELBOARDS INDICATED ON ONE LINE DIAGRAMS DO NOT SHOW ALL BRANCH CIRCUITS. REFER TO PANELBOARD SCHEDULE(S).
- 2. EXISTING ONE-LINE DIAGRAM TAKEN FROM OWNER FURNISHED DRAWINGS. EXISTING INFORMATION SHOWN OTHER THAN LOCATIONS IMPACTED BY NEW WORK HAS NOT BEEN VERIFIED.

LIGHTING PLAN NOTES:

- 1. REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT MOUNTING LOCATIONS OF DEVICES AND LUMINAIRES.
- 2. COORDINATE LUMINAIRE LOCATIONS WITH MECHANICAL PIPING, DUCTWORK, ETC., TO AVOID CONFLICTS. SEE SPECIFICATIONS FOR COORDINATION REQUIREMENTS.
- 3. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH 120V AND 277V
- 4. CIRCUITS MAY BE COMBINED INTO HOMERUNS OF UP TO SIX (6) CURRENT CARRYING CONDUCTORS, INCLUDING NEUTRALS, UNLESS OTHERWISE INDICATED. WHERE CIRCUITS ARE COMBINED WITHIN A SINGLE CONDUIT, PROVIDE STRIPING FOR FULL LENGTH OF NEUTRAL CONDUCTOR INSULATION TO MATCH THE COLOR CODE OF THE ASSOCIATED PHASE CONDUCTOR. SEE SPECIFICATION FOR COLOR CODES.
- 5. FIELD COORDINATE EXACT LOCATION OF CEILING MOUNTED OCCUPANCY SENSORS PER MANUFACTURER'S INSTRUCTIONS. OCCUPANCY/VACANCY SENSING DEVICES ARE SHOWN FOR GENERAL DESIGN INTENT ONLY. CONTRACTOR SHALL PROVIDE THE TYPE AND QUANTITY OF OCCUPANCY/VACANCY SENSING DEVICES AS NECESSARY FOR PROPER COVERAGE AND CONTROL OF LUMINAIRES WHERE INDICATED ON THE LIGHTING PLANS. FIELD ADJUSTMENT TO DEVICE LOCATIONS SHALL BE MADE AS REQUIRED TO CAPTURE ALL OCCUPANTS. WHETHER SITTING AT A DESK OR MOVING AROUND THE SPACE. ADDTIONAL DEVICES SHALL BE PROVIDED AND FIELD ADJUSTMENTS SHALL BE MADE AS NECESSARY, AT NO ADDITIONAL COST TO OWNER. CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

FIRE ALARM PLAN NOTES:

- 1. FIRE ALARM EQUIPMENT AND DEVICES SHOWN ON THESE DRAWING INDICATE THE INTENT, PERFORMANCE, AND SCOPE OF THE SYSTEM. THE FULL DESIGN OF THE FIRE ALARM SYSTEM SHALL BE DONE BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE A SHOP DRAWING SUBMITTAL FOR APPROVAL BY THE LOCAL FIRE DEPARTMENT AND/OR THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL ARRANGE TO HAVE THE FIRE ALARM SYSTEM SUBMITTAL SEALED AND SIGNED BY A REGISTERED PROFESIONAL ENGINEER WHO WILL ASSUME THE DUTY OF ENGINEER OF RECORD FOR THE FIRE ALARM SYSTEM DESIGN. THE ELECTRICAL ENGINEER OF RECORD AT CATOR, RUMA & ASSOCIATES, CO. WILL NOT BE RESPONSIBLE FOR SEALING AND SIGNING THE FIRE ALARM SYSTEM SHOP DRAWING SUBMITTAL.
- 2. NEW FIRE ALARM DEVICES SHALL BE OF THE SAME MANUFACTURER AS THE EXISTING DEVICES AND SYSTEM. CONNECT NEW FIRE ALARM DEVICES TO THE EXISTING SYSTEM.
- 3. PROVIDE UPDATED GRAPHIC MAPS THROUGHOUT THE BUILDING TO REFLECT BUILDING AND FIRE ALARM SYSTEM MODIFICATIONS.

GENERAL NOTES:

- 1. FOR REMODELING, WORK INCLUDED IS DENOTED IN BOLD. EXISTING CONDITIONS TO REMAIN ARE DENOTED LIGHTLY.
- 2. PROTECT STRUCTURE AND OWNER EQUIPMENT FROM DAMAGE. IMMEDIATELY REPLACE OR REPAIR, TO ORIGINAL CONDITION, DAMAGE CAUSED BY THE CONTRACTOR WHETHER EQUIPMENT APPEARS TO BE CURRENTLY IN USE OR NOT. UNLESS WRITTEN AUTHORIZATION FROM THE OWNER INDICATED OTHERWISE. PREPARE LISTING OF ALL EXISTING DAMAGED ITEMS AND SUBMIT TO OWNER PRIOR TO BEGINNING WORK.

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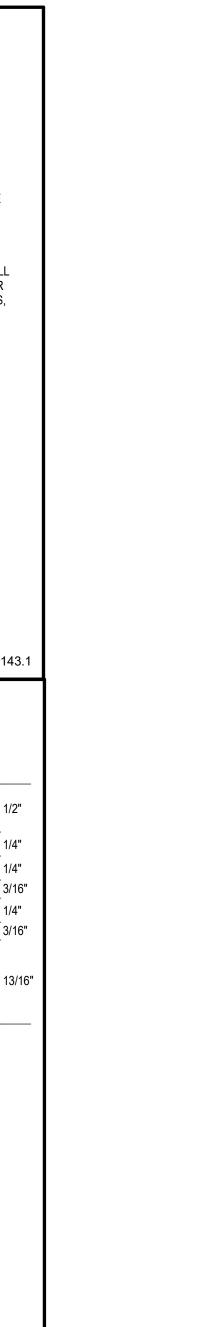
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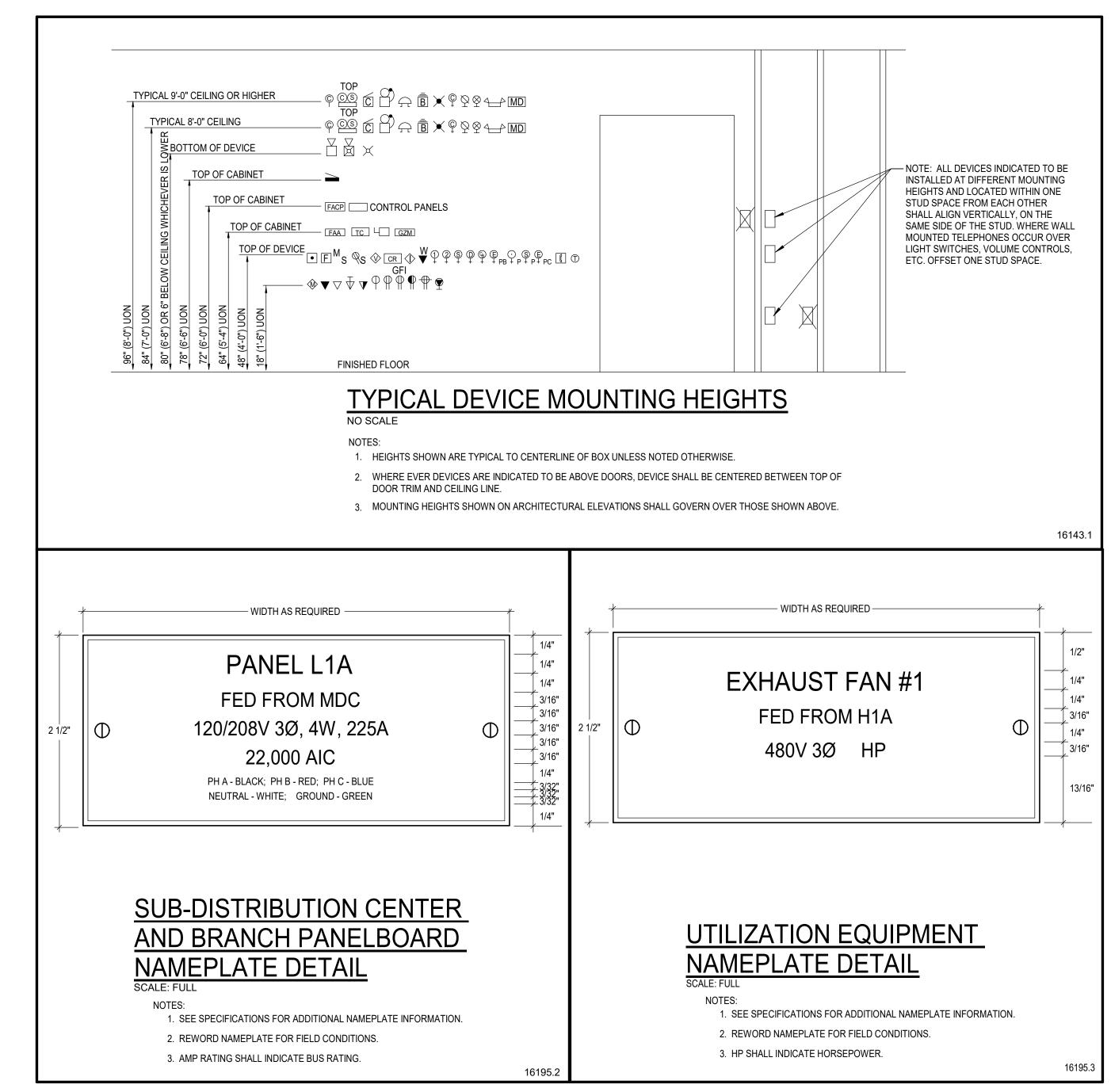
- 3. A DETAILED WRITTEN METHOD OF PROCEDURE IS REQUIRED WHEN A CONSTRUCTION ACTIVITY OR AN OUTAGE AFFECTS THE SAFETY OF OCCUPANTS. TELEPHONE/DATA/FIRE ALARM EQUIPMENT OR COMPONENTS OF ANY SYSTEM WHICH SUPPORTS THIS EQUIPMENT OR ESSENTIALLY AFFECTS THE BUILDING MANAGEMENT, OPERATIONS OR SECURITY. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 4. EXISTING INFORMATION SHOWN ON THE DRAWINGS HAS BEEN TAKEN FROM OWNER FURNISHED DRAWINGS AND/OR LIMITED FIELD OBSERVATIONS. CATOR, RUMA & ASSOCIATES IS NOT RESPONSIBLE FOR THE ACCURACY OF ANY INFORMATION OR THE ADEQUACY, SAFETY AND CONFORMANCE TO CURRENT PREVAILING CODES OF ANY WORK SHOWN AS EXISTING ON THESE DRAWINGS.
- 5. PROVIDE SEPARATE INSULATED GROUNDING CONDUCTOR IN ALL FEEDER, HOMERUN AND BRANCH CIRCUITS.

- 1. UNLESS NOTED OTHERWISE, BOLD ITEMS INDICATE EQUIPMENT, DEVICES. ETC. TO BE REMOVED. SEE SPECIFICATION SECTION 260500 FOR
- 2. DEMOLITION DRAWINGS MAY NOT SHOW EVERY ITEM TO BE DEMOLISHED. EXTENT OF DEMOLITION TO FACILITATE ALL WORK INDICATED BY THE CONTRACT DOCUMENTS PRIOR TO QUOTATION. NO EXTRAS WILL BE BY THE CONTRACT DOCUMENTS. REWORK EXISTING TERMINATIONS, CONNECTIONS, CONDUIT, WIRING, ETC. TO ACCEPT NEW WORK. MAINTAIN CIRCUIT CONTINUITY TO EXISTING CIRCUITS AND DEVICES TO REMAIN OR TO COMMENCEMENT OF ANY DEMO WORK, CONFIRM EXISTING CONDITIONS
- 4. WHERE EXISTING CONDUITS ARE SHOWN TO BE REMOVED AND HAVE BEEN ROUTED IN CONCRETE FLOOR SLABS, CONCRETE WALLS OR CONCRETE CEILINGS, THEY SHALL BE CUT BACK FLUSH WITH CONCRETE. FILL WITH GROUT TO ACHIEVE A SMOOTH AND EVEN FINISH FLUSH WITH CONCRETE
- 5. REUSE EXISTING CONDUIT WHERE CURRENT NEC AND LOCAL CODE REQUIREMENTS ARE MAINTAINED. PROVIDE NEW CONDUIT AND WIRE FOR NEW INSTALLATIONS AND EXTENSION OF EXISTING INSTALLATIONS. REUSE EXISTING CONDUIT IN PLACE, DO NOT REINSTALL EXISTING CONDUIT. PROVIDE LABELING PER SPECIFICATIONS FOR REUSED CONDUIT.
- 6. RELOCATED EQUIPMENT AND DEVICES ARE TO BE CLEANED OF ALL FOREIGN MATERIAL. REPLACE EQUIPMENT OR DEVICES WHICH ARE DEFECTIVE OR DAMAGED DURING RELOCATION.
- 7. WHERE EXISTING DEVICES, SWITCHES, MOTOR CONNECTIONS, ETC. ARE TO BE REMOVED FROM WALLS WHICH ARE REMAINING, WALLS SHALL BE PATCHED TO MATCH ORIGINAL FINISH. BLANK COVERPLATES OVER EXISTING BOXES ARE NOT ACCEPTABLE, UNLESS NOTED OTHERWISE

DEMOLITION NOTES:

- REMODEL/DEMOLITION DETAILED REQUIREMENTS.
- CONTRACTOR SHALL VISIT SITE TO DETERMINE AND COORDINATE THE EXACT ALLOWED FOR WORK REQUIRED TO ACHIEVE THE END RESULT AS INDICATED REMODEL/DEMOLITION DETAILED REQUIREMENTS TO BE RELOCATED. PRIOR AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOR RESOLUTION.
- 3. ALL ITEMS IDENTIFIED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY INCLUDING ALL WIRING AND EXPOSED CONDUIT AND CONDUIT SUPPORTS BACK TO POINT OF ORIGIN OR NEXT DEVICE TO REMAIN. REMOVED ITEMS SHALL BE TURNED OVER TO THE OWNER. UNLESS NOTED OTHERWISE. AND STORED IN THE AREA DESIGNATED BY THE OWNER. REMOVE FROM SITE AND LEGALLY DISPOSE OF ALL ITEMS THE OWNER CHOOSES NOT TO ACCEPT
- SURFACE AFTER CONDUCTORS HAVE BEEN REMOVED.





NOT FOR CONSTRUCTION

NURSING RENOVATION

ELECTRICAL LEGENDS &

E-001

Project Number

Date (YYYY/MM/DD 2021/10/01

2021-200

Drawn By

NOTES

DESIGN DEVELOPMENT

LUMINAIRE SCHEDULE

COMMON NOTES:

- A. CATALOG NUMBER REFERS TO FIRST NAME LISTED UNDER MANUFACTURER PER LUMINAIRE TYPE. REMAINING MANUFACTURERS LISTED ARE CONSIDERED TO BE EQUIVALENT PRODUCTS FOR THIS PROJECT AND SHALL MEET ALL CRITERIA LISTED INCLUDING THAT CALLED FOR BY THE SPECIFIC LUMINAIRE CATALOG NUMBER. CATALOG NUMBERS DO NOT NECESSARILY REPRESENT COMPLETE CATALOG NUMBERS. ALL ITEMS LISTED IN THE DESCRIPTION SHALL BE PROVIDED.
- B. REFER TO LIGHTING SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

C. PROVIDE UNIT PRICING FOR ALL LUMINAIRES BY TYPE AND SUBMIT WITH BID FORM. D. PROVIDE AN EMERGENCY BALLAST TEST SWITCH FOR RECESSED DOWNLIGHTS ON CEILING ADJACENT TO LUMINAIRE.

SPECIFIC REMARKS:

1. VERIFY EXACT MOUNTING HEIGHT WITH ARCHITECT AND PROVIDE APPROPRIATE SUSPENSION LENGTH. 2. REFER TO PLANS FOR WHICH LUMINAIRES OF THIS SPECIFICATION ARE EXISTING TO BE RELOCATED AND WHICH ARE NEW.

| | | L | MP | | BALLAST/DRIVE | R | APPARENT | | | | | |
|---------|--|-----------|------------------------------------|-------|---------------|---------|----------|--------------|---------------------------|-------------------------|--------------------------------------|---------|
| TYPE | DESCRIPTION | COLOR | LUMENS | TYPE | DIM LEVEL | VOLTAGE | LOAD | MANUFACTURER | CATALOG SERIES | FINISH | MOUNTING | REMARKS |
| L1.22 | 6" WIDE, 4' LENGTH RECESSED LINEAR, SATIN ACRYLIC LENS, 0-10V DIMMING DRIVER. | LED 3500K | 400 LUMEN/FT | 0-10V | 1% | 277 V | 145 VA | AXIS | B6RLED | WHITE | GRID | |
| 1.22 EM | SIMILAR TO L1.22, PROVIDE WITH 90-MINUTE EMERGENCY | LED 3500K | 400 LUMEN/FT | 0-10V | 1% | 277 V | 145 VA | AXIS | B6RLED | WHITE | GRID | |
| L1.30 | 6" WIDE, 30' LENGTH RECESSED LINEAR, SATIN ACRYLIC LENS, 0-10V DIMMING DRIVER. | LED 3500K | 400 LUMEN/FT | 0-10V | 1% | 277 V | 195 VA | AXIS | B6RLED | WHITE | GRID | |
| 1.30 EM | 6" WIDE, 30' LENGTH RECESSED LINEAR, SATIN ACRYLIC LENS, 0-10V DIMMING DRIVER. PROVIDE WITH 90-MINUTE EMERGENCY BATTERY. | LED 3500K | 400 LUMEN/FT | 0-10V | 1% | 277 V | 195 VA | AXIS | B6RLED | WHITE | GRID | |
| P3 | 5.5" DIAMETER CYLINDER PENDANT, UPLIGHT COMPONENT, CUSTOM CORD COLOR, 0-10V DIMMING DRIVER. | LED 3500K | 950 LUMEN UP 2900 LUMEN DOWN | | | 277 V | 38 VA | BARNLIGHT | LTF-640-41706 | BY ARCH. | SUSPENSION 1 HEIGHTS PER ARCH. | |
| S1 | 4' UTILITY STRIP. | LED 3500K | 4000 LUMENS | 0-10V | 1% | 277 V | 31 VA | DAY-BRITE | FSSEZ | WHITE | SURFACE/ CHAIN 2 | |
| T1 | 2'x4' FLAT-PANEL TROFFER. | LED 3500K | 4000 LUMENS | 0-10V | 1% | 277 V | 39 VA | LITHONIA | CPX-2X4-4000LM-35K | WHITE | GRID | |
| Т3 | 2'x2' FLAT-PANEL TROFFER. | LED 3500K | 3200 LUMENS | 0-10V | 1% | 277 V | 32 VA | LITHONIA | CPX-2X2-3200LM- 35K-M4 | WHITE | GRID 2 DRYWALL | |
| T3E | SIMILAR TO T3, PROVIDE WITH 90-MINUTE EMERGENCY BATTERY. | LED 3500K | 3200 LUMENS | 0-10V | 1% | 277 V | 32 VA | RE: T3 | RE: T3 | WHITE | GRID DRYWALL | |
| X1 | EDGE-LIT EXIT SIGN, SINGLE FACE, 90-MINUTE BATTERY WITH SELF-TEST AND DIAGNOSTICS. CHEVRONS AND WALL/CEILING MOUNTING PER PLANS. | | | | | 277 V | 3 VA | CHLORIDE | CE-10400 | WHITE, GREEN LETTERS | WALL/ CEILING | |

LIGHTING CONTROL MATRIX

THAN 5,000 SQUARE FEET.

COMMON NOTES:

- A. NOT ALL SPACE NAMES ARE LISTED FOR EACH LIGHTING CONTROL TYPE. REFER TO PLANS FOR ALL SPACES TO BE CONTROLLED.
- B. SPACES MAY CONTAIN MULTIPLE ZONES OF CONTROL. REFER TO PLANS FOR QUANTITY OF ZONES, SWITCHES, ETC. C. PROVIDE THE QUANTITY OF SENSORS AS REQUIRED FOR FULL COVERAGE OF THE SPACE. DEVICES SHOWN ON PLAN ARE FOR DESIGN INTENT ONLY AND DO NOT NECESSARILY
- REFLECT THE EXACT QUANTITY REQUIRED FOR FULL COVERAGE. D. WHERE A SINGLE SWITCH/DIMMER IS DENOTED WITH MULTIPLE SWITCH LEGS, DESIGN INTENT IS A SINGLE-GANG DEVICE WITH MULTIPLE-MODE CONTROL.
- E. ALL NON-NETWORKED SPACES WITH SENSORS SHALL BE PROVIDED WITH MANUAL 'OFF' MEANS. F. WHERE NETWORKED SPACES HAVE NO MANUAL 'OFF' MEANS WITHIN SPACE, PROVIDE LABELED MEANS OF SHUTOFF AT CONTROLLER LOCATION FOR NO MORE

SPECIFIC REMARKS:

1. TIME SCHEDULE TO MATCH REMAINDER OF BUILDING. OCCUPANCY SENSOR OVERRIDE AFTER-HOURS.

- ON / OFF M = MANUAL (SWITCH), A = AUTOMATIC (SENSOR), T = TIME SCHEDULE, P = EXTERIOR PHOTOCELL, #% = CONTROL TO #% LIGHT LEVEL CONTROL 0-10V DIMMING, ELV DIMMING, STEP DIMMING, DMX CONTROL
- OCC / VAC DT = DUAL TECHNOLOGY, PIR = PASSIVE INFRARED, CLG = CEILING MOUNT, WALL = WALL CORNER MOUNT, SW = INTEGRAL TO WALL SWITCH
- DAYLIGHT CALIBRATE BOTTOM LIMIT OF DAYLIGHT SENSOR TO DENOTED FOOTCANDLE LEVEL AT HEIGHT LISTED INTERFACE AV = ALLOW OVERRIDE BY AV SYSTEM, BAS = COMMUNICATE OCCUPIED/UNOCCUPIED STATE TO BAS, VAV = TIE SENSOR RELAY DIRECTLY TO VAV BOX IN ROOM
- NETWORK X = CONNECT ZONE TO CENTRAL LIGHTING CONTROL SYSTEM EMERGENCY X = PROVIDE AUTOMATIC LOAD CONTROL RELAYS (ALCR) FOR LUMINAIRES ON EMERGENCY CIRCUIT, PROVIDE TEST SWITCH IF NOT INTEGRAL TO RELAY

| | | | | | OCCUPAN | ICY / VACANC | Y SENSOR | DAYLIGH | T SENSOR | | | | |
|------|----------------|-----|-----|---------|---------|--------------|---------------|----------------------|--------------------------|------------|---------|-------------|-----------|
| TYPE | SPACE | ON | OFF | CONTROL | TECH | MOUNT | DELAY (MIN.) | TARGET LEVEL (FC) | MEASURED HEIGHT (IN.) | | NETWORK | EMERGENCY | REMARKS |
| | | 011 | 011 | | ILOII | | DELAT (MINA.) | LLVLL (1 0) | 11213111 (114.) | INTERN AGE | METWORK | LINEIXOLITO | INCINATIO |
| LC1 | CORRIDOR | T | T | 0-10V | DT | CLG | 20 | | | | X | | 1 |
| LC5 | MEPT | M | M | | | | | | | | | | |
| LC6 | STORAGE | M | А | | PIR | CLG | 5 | | | | | | |
| LC8 | PRIVATE OFFICE | M | А | 0-10V | DT | SW | 5 | | | | | | |
| LC13 | CLASSROOM | M | А | 0-10V | DT | CLG | 20 | | | | | | |

| GENE | ERAL EQUIPMENT | SCH | EDL | JLE | | | | | | | | | |
|-------|---|-------|--------|-------------|---------------|----------------------|------------|---------|------------|--------------|-----------------|----------|---------|
| | N NOTES: | | | | | - | _ | | | | - | | |
| | RIOR TO WORK, VERIFY ELECTRICA RIOR TO WORK, VERIFY EXACT LOC | | | | | | | | ND DISCONN | ECT) FOR EAC | CH PIECE OF EQU | JIPMENT. | |
| B. F | NION TO WORK, VERIFT EXACT LOC | AHONF | OR EAC | IN FIEUE UF | EQUIPIVIENT W | IIII ARCHITECT | AND/OR OWN | ER. | | | | | |
| | | | | | | | | | | | | | |
| | | I | T | | T == | I | <u> </u> | FFFDFDC | | | POTECTION | | |
| IZEV/ | 1774 | | | | EQ LOAD | \(\(\alpha\) \(\pi\) | MADE | FEEDERS | CONDUIT | _ | PROTECTION | FUOF | DEMARKO |
| KEY | ITEM | HP | FLA | LOAD | (VA) | VOLTAGE | WIRE | GROUND | CONDUIT | BREAKER | DISCONNECT | FUSE | REMARKS |
| HW-01 | HEADWALL | 0 | 0 A | 540 VA | 540 VA | 120 V/ 1ph | 2#12 | #12G | 3/4" | 20 A | | | |

| COMMON A. PF B. PF C. CO | N NOTE RIOR TO RIOR TO DORDII | ICAL EQUIPMEN S: O WORK, VERIFY ELECTRICAL R O WORK, VERIFY EXACT LOCATE NATE AND PROVIDE ALL FIELD O S, BREAKERS, DISCONNECTS, A | REQUIREME ION FOR EACONNECTION | ENTS (VO ACH PIEC ONS AS R | LTAGE, AMP E OF EQUIPI EQUIRED. | MENT. | | | | SCONNECT) F | FOR EACH PIE | CE OF EQUIPME | NT. | |
|-----------------------------------|--|--|-----------------------------------|----------------------------------|---------------------------------------|----------|------------|------|---------|-------------|--------------|---------------|------|---------|
| | | | | | | EQ LOAD | | | FEEDERS | | | PROTECTION | | |
| KEY | # | ITEM | HP | FLA | LOAD | (VA) | VOLTAGE | WIRE | GROUND | CONDUIT | BREAKER | DISCONNECT | FUSE | REMARKS |
| AC | 1 | AIR COMPRESSOR | 0 | 30 A | 0 VA | 10808 VA | 208 V/ 3ph | 3#8 | #10G | 3/4" | 40 A | 60 A | 40 A | |
| MVP | 1 | MEDICAL VACUUM PACKAGE | 0 | 18 A | 0 VA | 6413 VA | 208 V/ 3ph | 3#10 | #10G | 3/4" | 25 A | 30 A | 25 A | |

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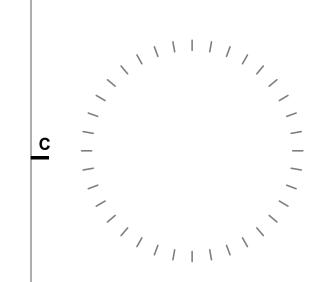
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INTERIOR DESIGN



Project Name NURSING RENOVATION Project Number 2021-200 Date (YYYY/MM/DD)

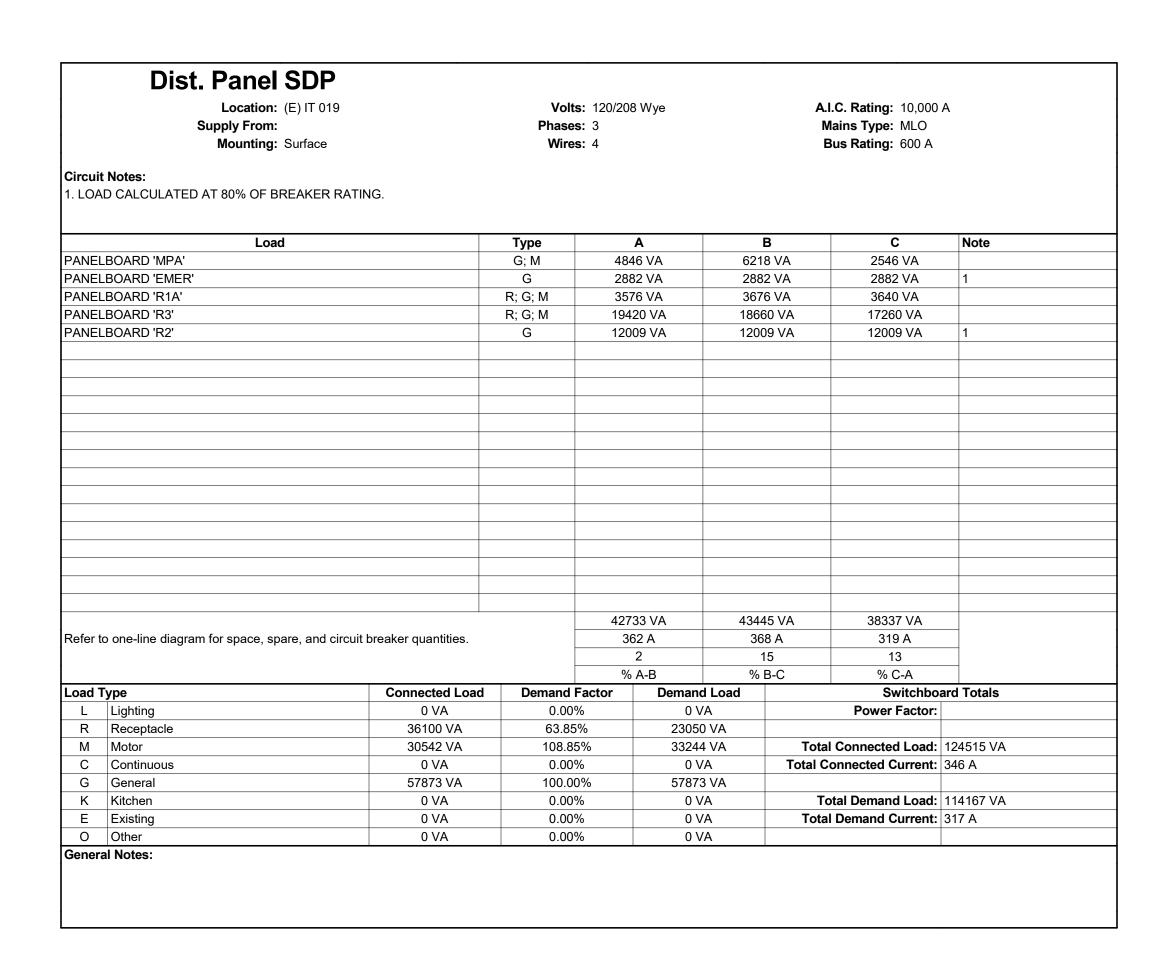
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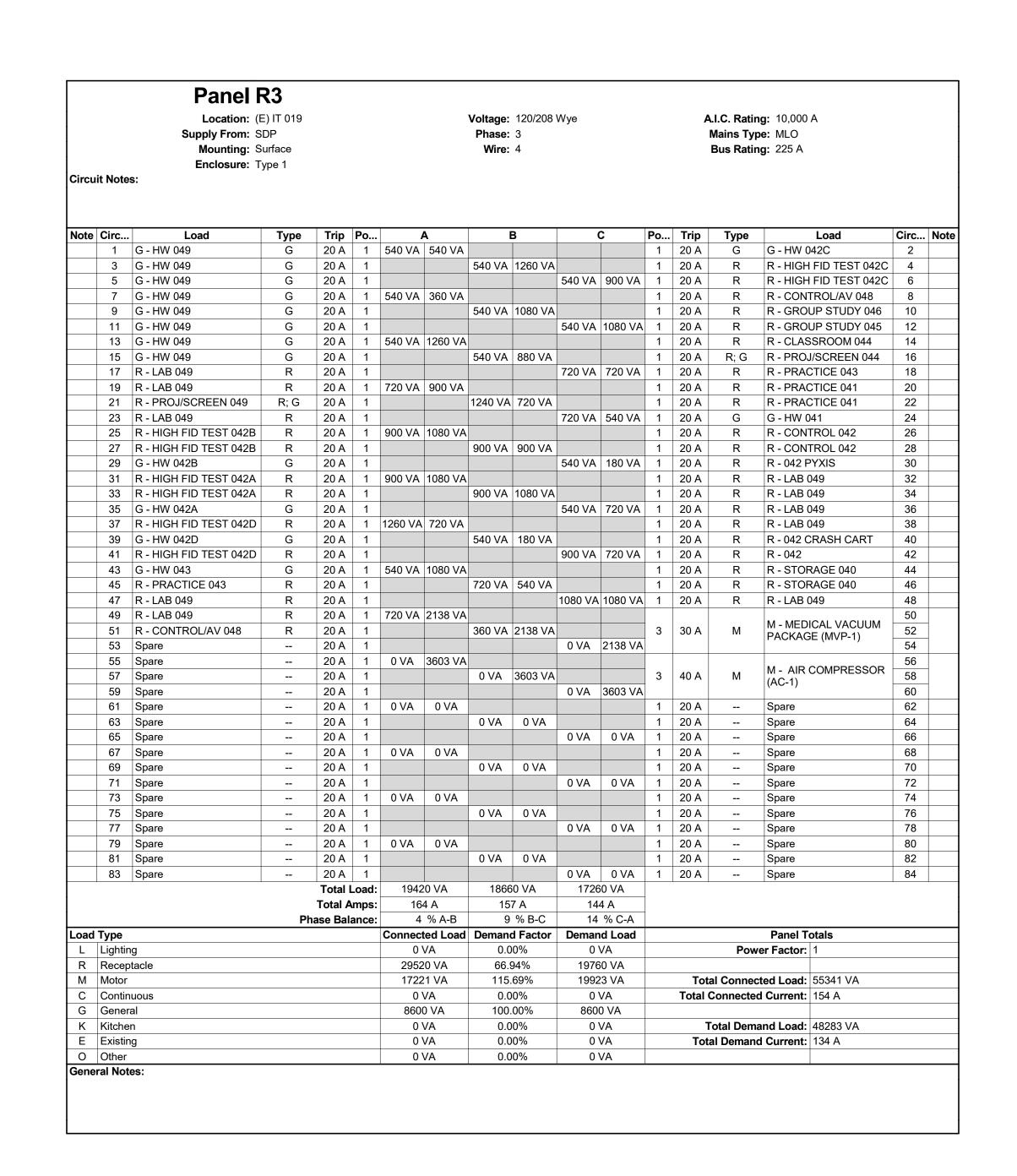
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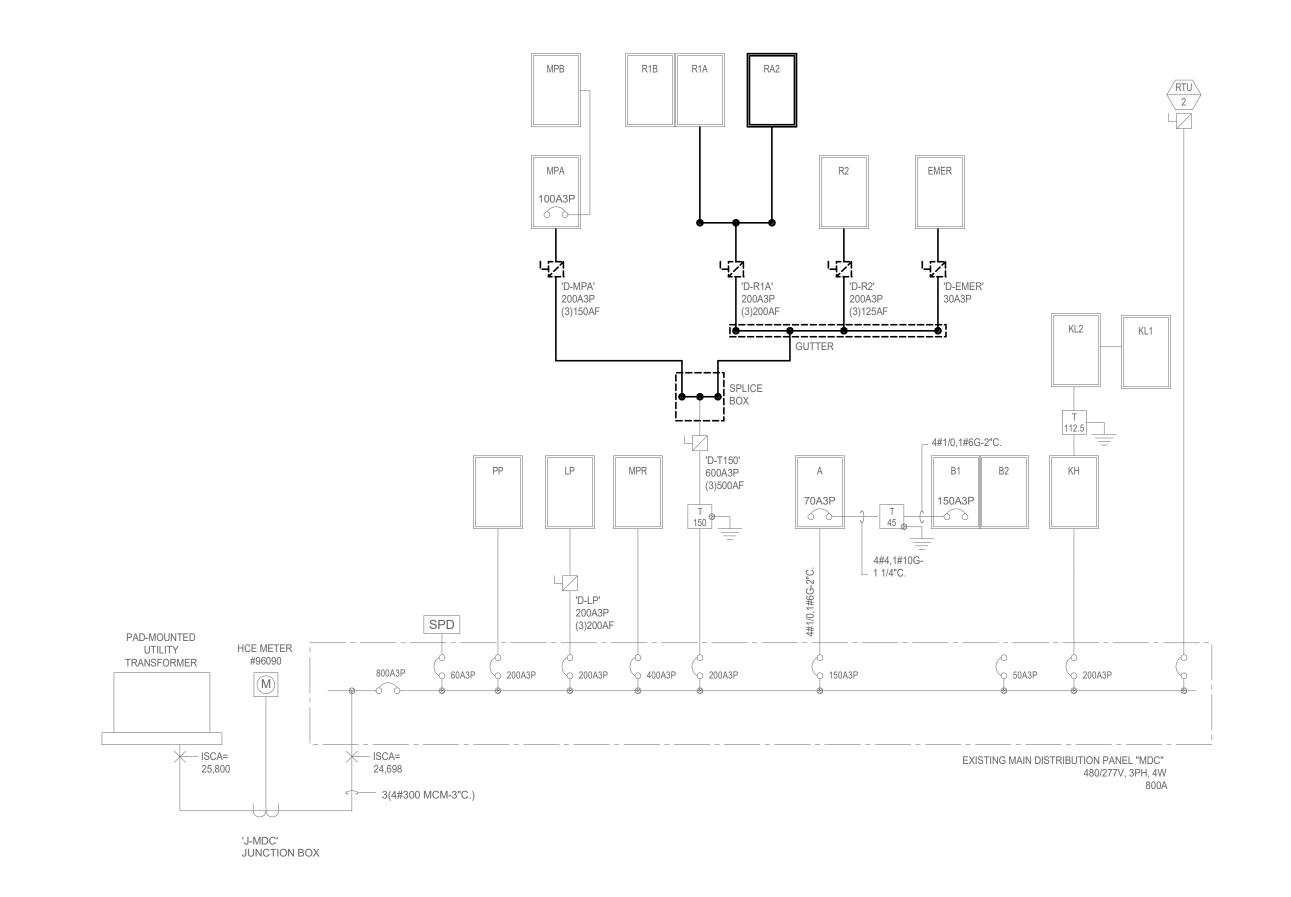
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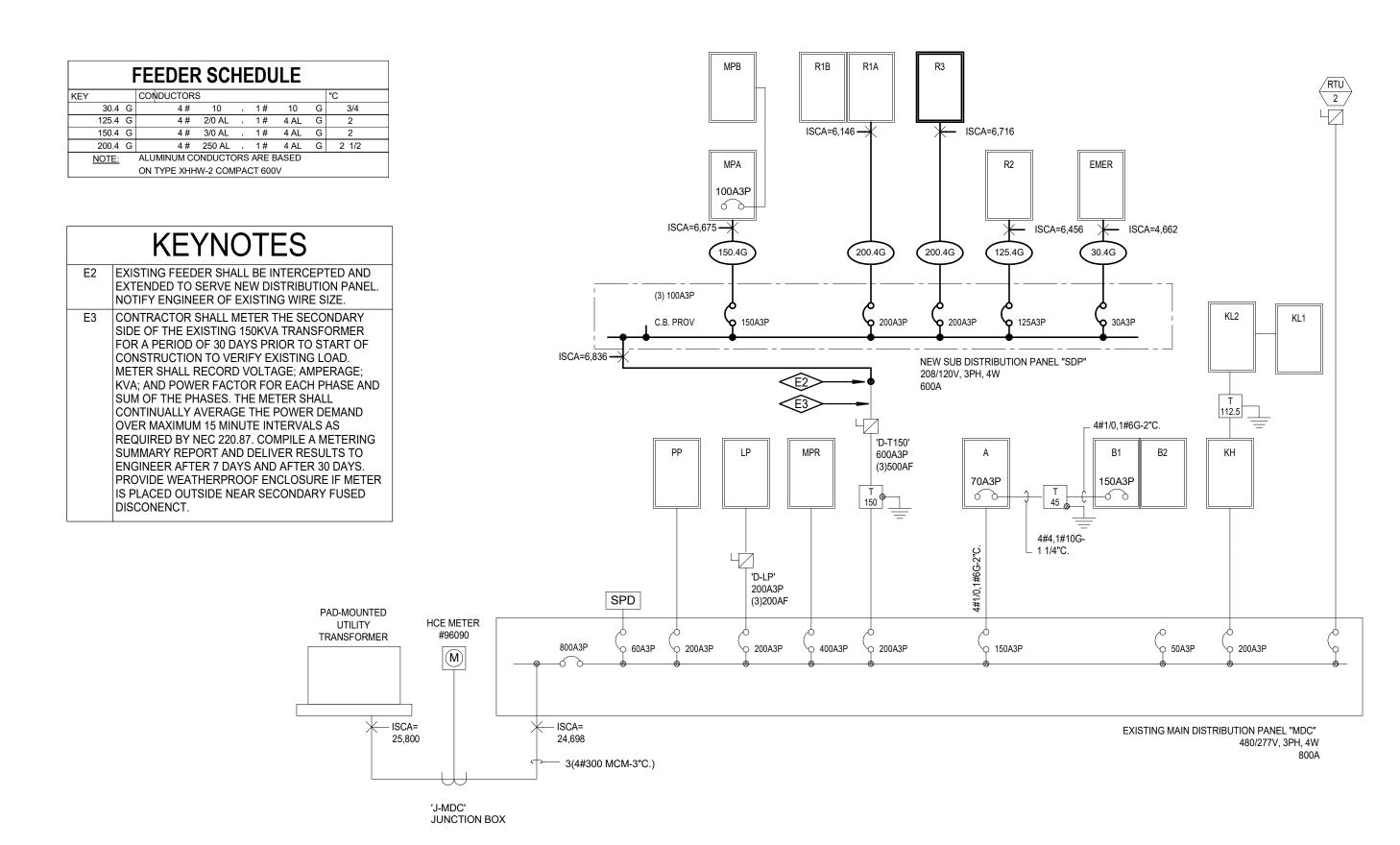
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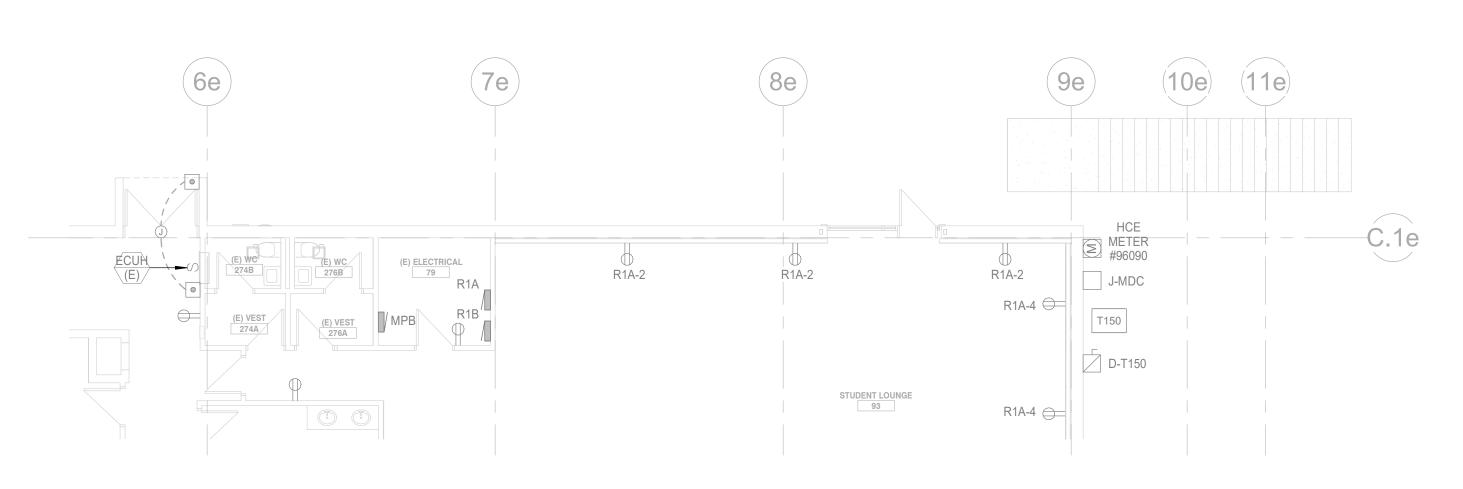




ELECTRICAL ONE-LINE DIAGRAM - DEMOLITION



ELECTRICAL ONE-LINE DIAGRAM - NEW WORK

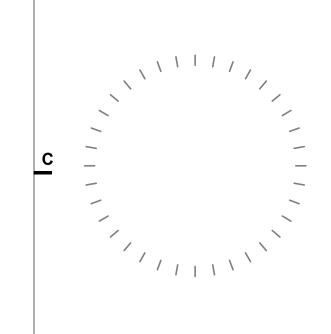


PARTIAL SECOND LEVEL POWER PLAN (FOR EQUIPMENT LOCATION REFERNCE)

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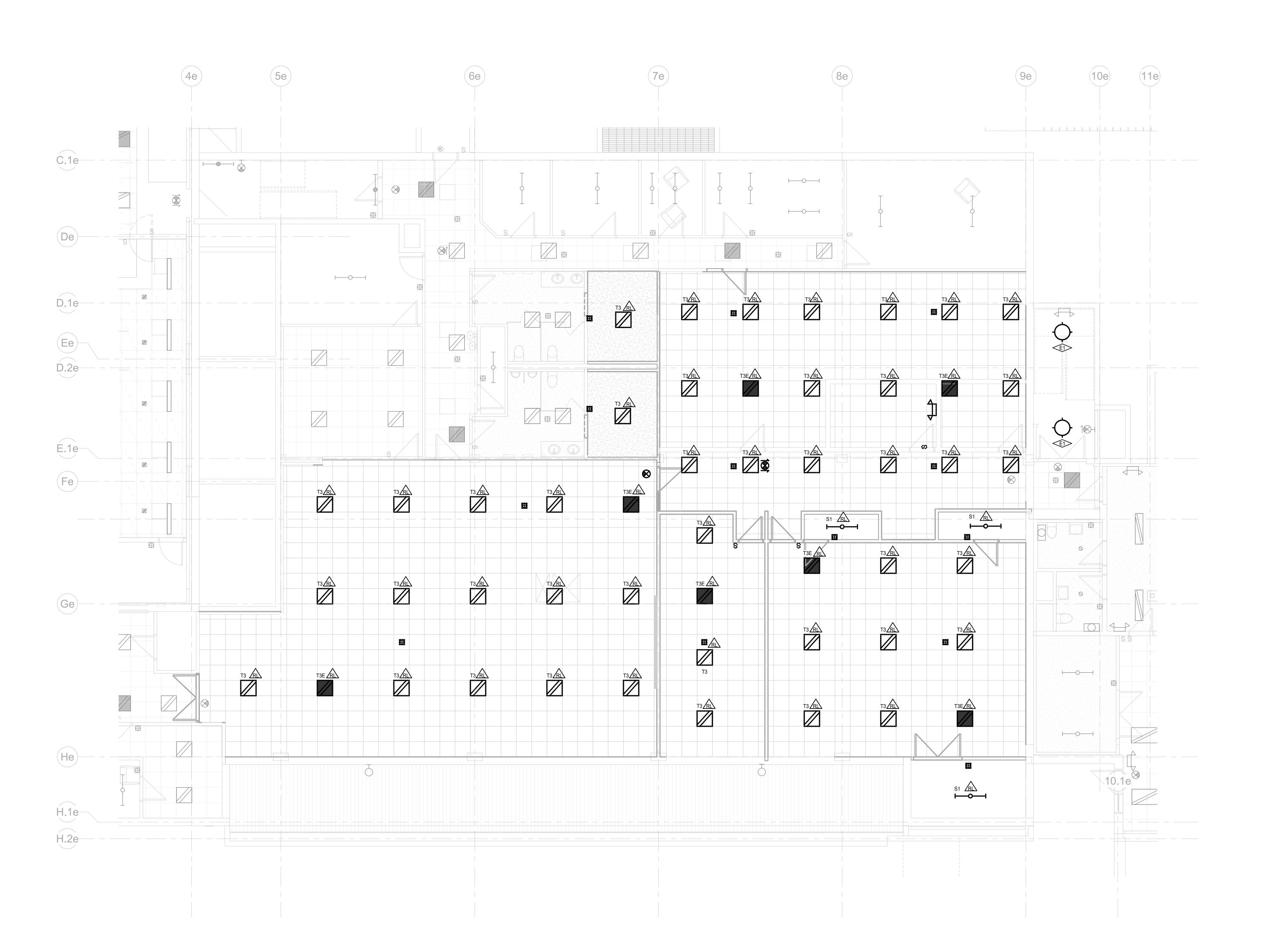
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ELECTRICAL ONE-LINE DIAGRAM

E-011

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DESIGN DEVELOPMENT



FIRST LEVEL LIGHTING DEMOLITION PLAN

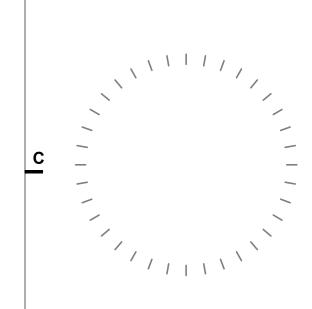
SCALE: 3/16" = 1'-0"

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2021-200

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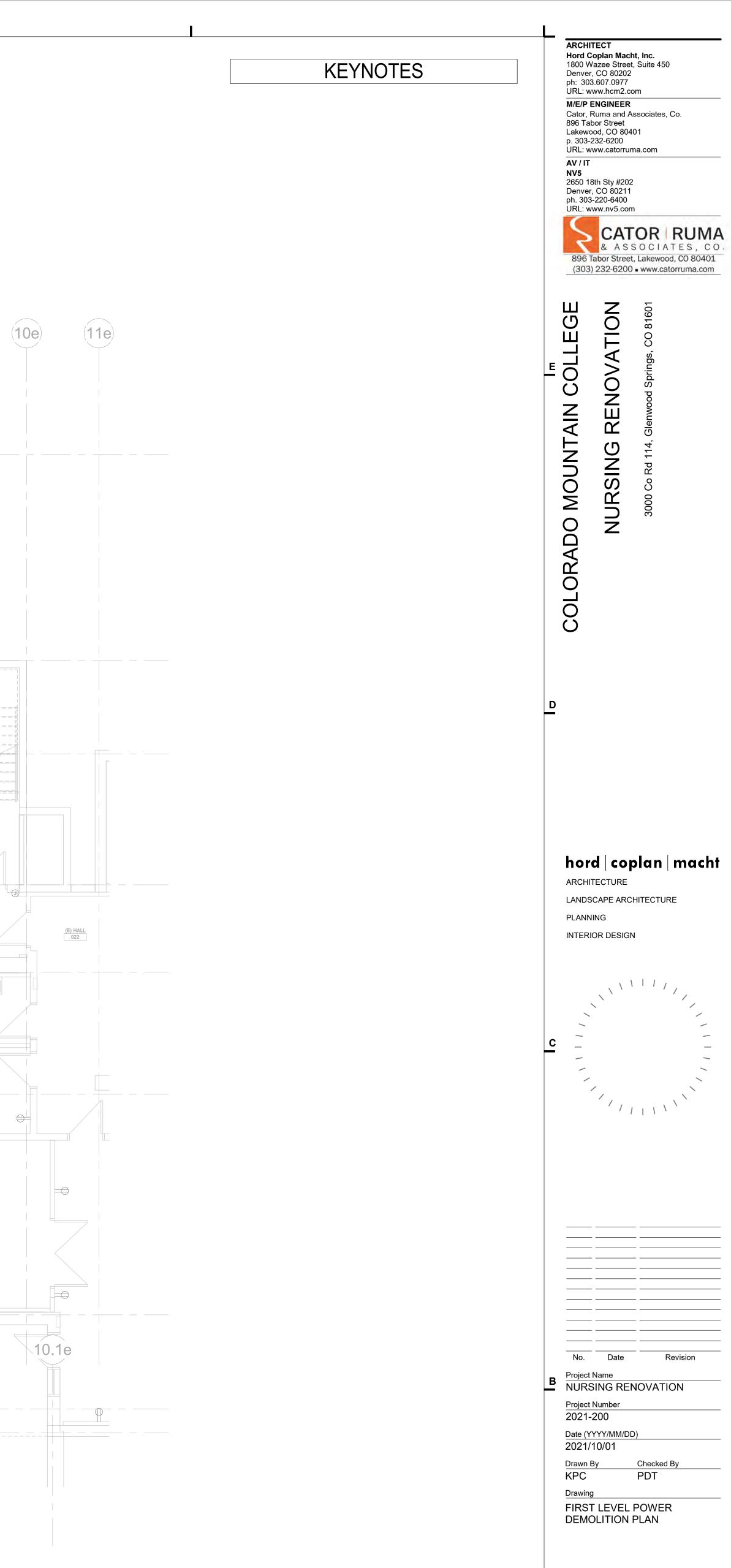
Drawing

FIRST LEVEL LIGHTING DEMOLITION PLAN

ED101

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ED111

DESIGN DEVELOPMENT

FIRST LEVEL POWER DEMOLITION PLAN

SCALE: 3/16" = 1'-0"

MPA \

(E) WATER ENTRY

EWC O

EMER R2

(E) STORAGE 017

(E) CORRIDOR 016

D.1e Ge

FOOD PREP 87

C.1e

(E) STORAGE 027

H.1e

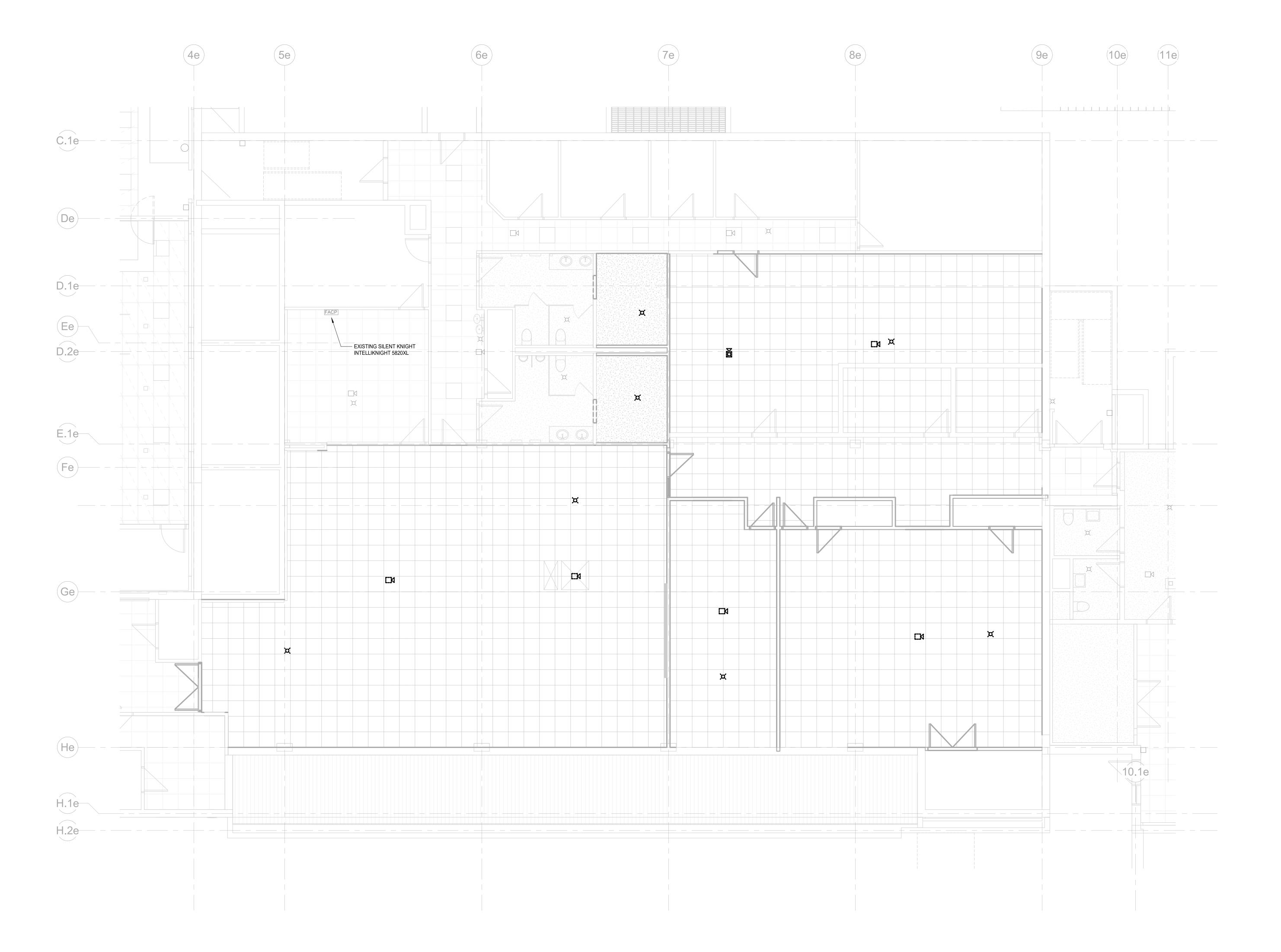
(E) STORAGE 015

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B Project Name
NURSING RENOVATION

Project Number 2021-200 Date (YYYY/MM/DD) 2021/10/01

FIRST LEVEL FIRE ALARM DEMOLITION PLAN

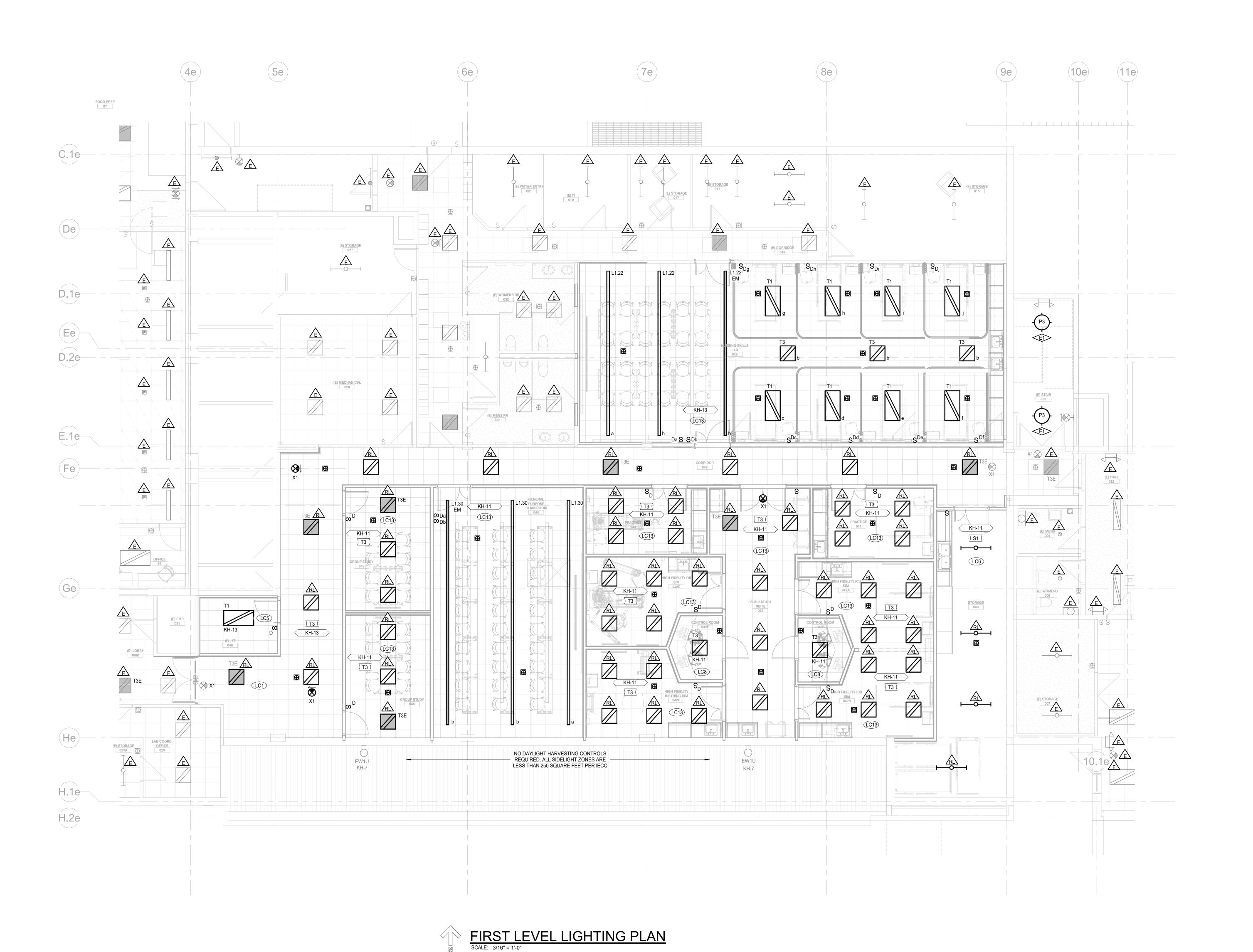
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DESIGN DEVELOPMENT

FIRST LEVEL FIRE ALARM DEMOLITION PLAN

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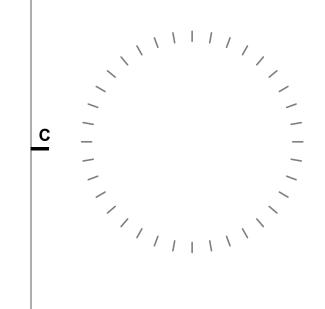


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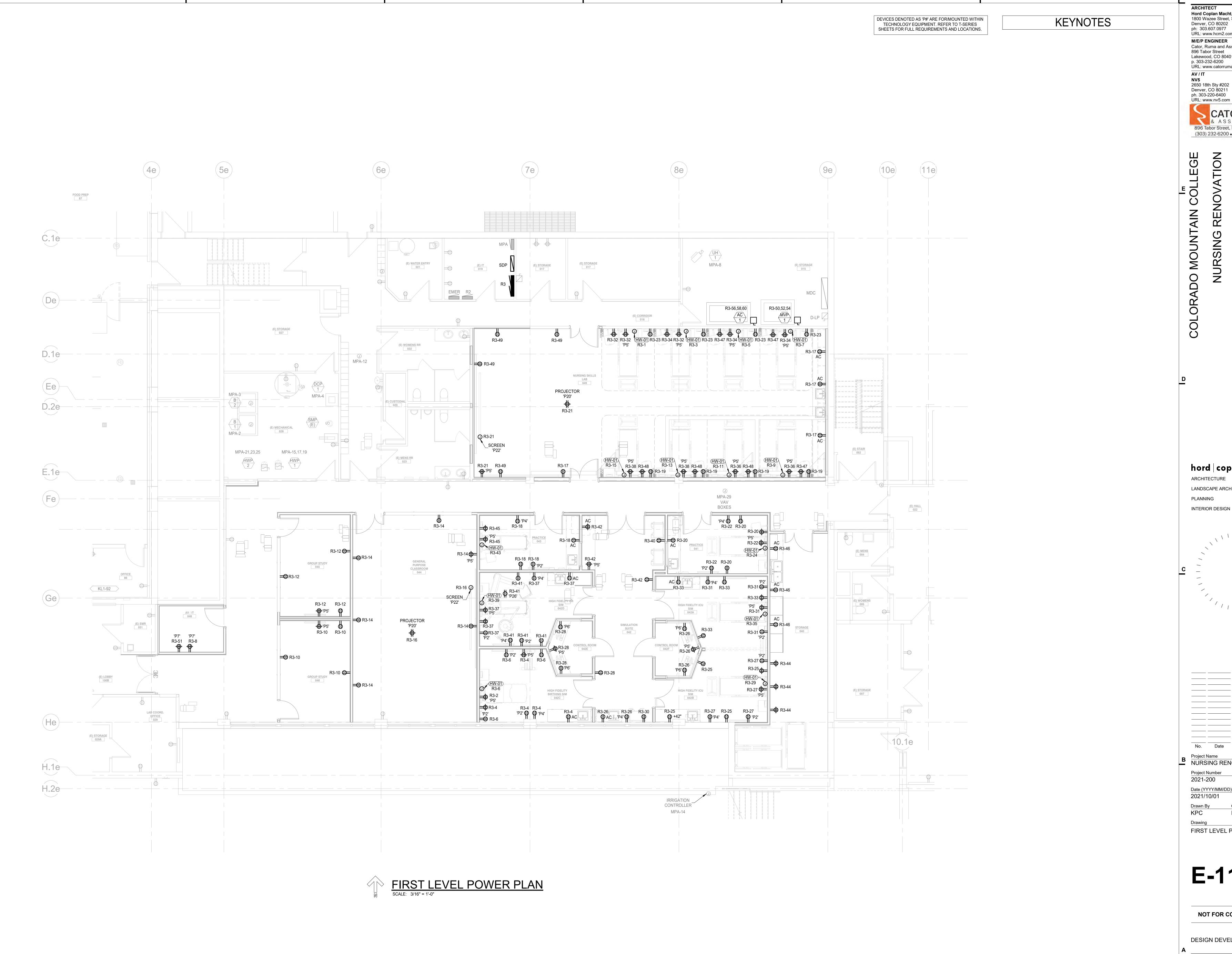
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Drawing
FIRST LEVEL LIGHTING PLAN

E-101

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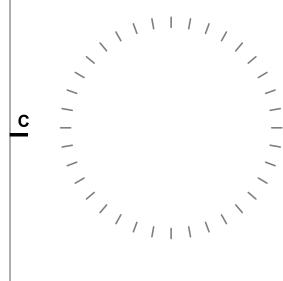


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B Project Name
NURSING RENOVATION Project Number 2021-200 Date (YYYY/MM/DD) 2021/10/01

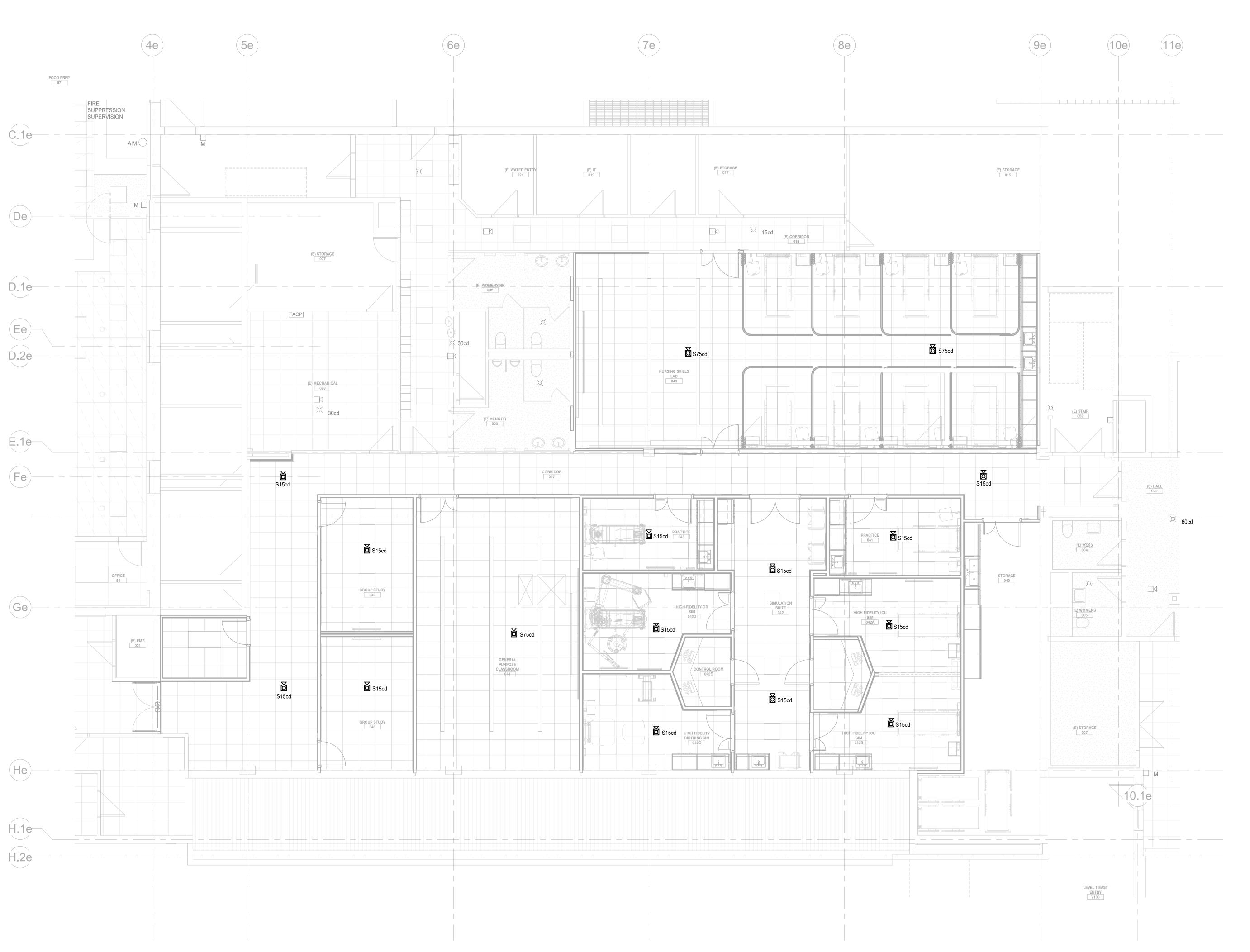
FIRST LEVEL POWER PLAN

E-111

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FIRST LEVEL FIRE ALARM PLAN

SCALE: 3/16" = 1'-0"

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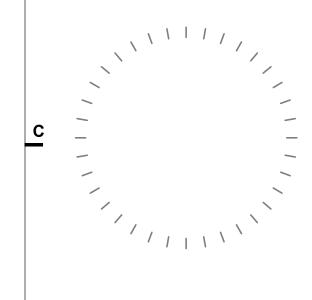
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INTERIOR DESIGN



No. Date Revision

Project Name
NURSING RENOVATION

Project Number
2021-200

2021-200

Date (YYYY/MM/DD)

2021/10/01

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Drawing

Drawing
FIRST LEVEL FIRE ALARM
PLAN

E-121

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| ABBR. | SYMBOL | DESCRIPTION | ABBR. | | IBOL | DESCRIPTION |
|-------------|-----------------------|---|--------|---|--------------------------|---|
| | | | | DETAIL SHEETS | PLAN SHEETS | |
| | | — SECTION DESIGNATION | | — <u></u> | — <u> </u> | CAP END OF PIPE |
| | | — SECTION CUT ON THIS SHEET | | XX | SLOPE | PITCH DOWN IN DIRECTION OF ARROW |
| | | VIEW REFERENCE DESIGNATION | | | —×— | PIPE ANCHOR |
| | | — VIEW REFERENCE ON THIS SHEET | | | _=_ | PIPE ALIGNMENT GUIDE |
| | X | — EQUIPMENT UNIT IDENTIFICATION | | | | UNION OR FLANGE |
| | 123 | EQUIPMENT UNIT NUMBER (UNIT SERVED - FLOOR - — SEQUENCE #) | | | | CONCENTRIC PIPE REDUCER |
| | 10 | — DIFFUSER IDENTIFICATION | | - | | ECCENTRIC PIPE REDUCER |
| \boxtimes | A) 10 250 | ─ DIFFUSER NECK DIAMETER─ DIFFUSER CFM | PRV | -\$- | -\$- | PRESSURE REDUCING VALVE |
| | | LINEAR DIFFUSER IDENTIFICATION | PTRV | <u> </u> | | PRESSURE AND/OR TEMPERATURE RELIEF VALV |
| | E)8ø/24"L | LINEAR DIFFUSER NECK DIAMETER LINEAR DIFFUSER LENGTH | | | → | PLUG VALVE |
| | 9999 | — LINEAR DIFFUSER CFM | | — | → | ISOLATION (GATE / BALL) VALVE |
| | | FINNED TUBE RADIATOR ACTIVE ELEMENT LENGTH | | | → | VERTICAL PIPE VALVE |
| | 2'-6" FTR 3'-6" 28 | EQUIPMENT UNIT IDENTIFICATION EQUIPMENT UNIT NUMBER | GLV | —>®I— | → | GLOBE VALVE |
| | | — RADIATOR ENCLOSURE LENGTH (OR W-W=WALL-TO-WALL) | BFV | | → | BUTTERFLY VALVE |
| | $\langle x \rangle$ | KEY NOTE REFERENCE | BV | — | -₩- | BALL VALVE |
| | 1 | KITCHEN/OWNER/MEDICAL EQUIPMENT REFERENCE | CV | \(\vec{\sqrt{\sq}}}}}}}}}} \end{\sqrt{\sq}}}}}}}}}}}} \end{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}} \end{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}} \end{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}} \end{\sqrt{\sqrt{\sq}}}}}}}} \end{\sqrt{\sqrt{\sqrt{\sqrt{\eqs}}}}}}}} \sqrt{\sq | \ \(\vec{\pi} | CHECK VALVE |
| | ** | TYPICAL ROOM REFERENCE (TOP = RM #, BOTTOM = FLR) | | ————— | —₩— | SOLENOID / MOTORIZED VALVE |
| | • | POINT OF CONNECTION, NEW TO EXISTING | | | —₽ | BUTTERFLY SOLENOID VALVE |
| | - | DIRECTION OF FLOW IN PIPE | | —-дн | | HOSE END DRAIN VALVE |
| | [] | DUCTWORK, PIPING AND EQUIPMENT TO BE REMOVED | P/T | | | PRESSURE / TEMPERATURE TAP |
| (E) | | EXISTING | | | | STRAINER |
| (N) | | NEW | | | | STRAINER W/ BLOWDOWN |
| (R) | | RELOCATED | | <u></u> ₩ | | BRAIDED FLEXIBLE PIPE CONNECTOR |
| (F) | | FUTURE | | <u>—</u> — — | | DOUBLE-BOWL FLEXIBLE PIPE CONNECTOR |
| DIA | | DIAMETER | | <u> </u> | | THERMOMETER |
| WAD | | WALL ACCESS DOOR | | <u> </u> | | PRESSURE GAUGE |
| NIC | | NOT IN CONTRACT | | | | SIGHT GLASS |
| AFF | | ABOVE FINISHED FLOOR | C.A.P. | \square | | CEILING ACCESS PANEL |
| GC | | GENERAL CONTRACTOR | | — ©— | ─ | PUMP |
| MC | | MECHANICAL CONTRACTOR | ТВ | | | THRUST BLOCK |
| EC | | ELECTRICAL CONTRACTOR | | <u></u> | | MANUAL AIR VENT |

| | | FIRE PROTEC (Not all symbols listed below | _ | _ | |
|---------|-------------|---|-------|------------------|-------------------------|
| ABBR. | SYMBOL | DESCRIPTION | ABBR. | SYMBOL | DESCRIPTION |
| F | | FIRE SERVICE PIPING | | 0 | SPRINKLER HEAD |
| O.S.&Y. | — | O.S.&Y. VALVE W/ TAMPER SWITCH | | \triangleright | SIDEWALL SPRINKLER HEAD |
| FS | | FLOW SWITCH | FVC | | FIRE VALVE CABINET |
| PIV | | POST INDICATOR VALVE | | | |
| FDC | - < | FIRE DEPARTMENT CONNECTION | | | |
| | | | | | |

FIRE PROTECTION NOTES:

REQUIRED FOR A COMPLETE WORKING SYSTEM.

PIPING, ETC.

- 1. FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR THE INSTALLATION OF A COMPLETE AND PROPERLY FUNCTIONING FIRE
- PROTECTION SYSTEM. 2. THE FIRE PROTECTION WORK INVOLVES ENGINEERING AND DESIGN BY THE CONTRACTOR TO DETERMINE THE EXTENT OF NEW WORK AND THE MODIFICATION AND EXTENSION OF EXISTING SYSTEMS TO PROVIDE FULL COVERAGE TO THE PROJECT AREA SHOWN ON THESE AND THE
- ARCHITECTURAL PLANS. 3. THE INFORMATION PRESENTED ON THESE DRAWINGS IS DIAGRAMMATIC. IT DOES NOT NECESSARILY REPRESENT ALL ELBOWS, OFFSETS, HANGERS, ETC.,
- 4. ALL FIRE PROTECTION SYSTEMS INSTALLED SHALL BE IN ACCORDANCE WITH NFPA-13, 14, 20, ETC. AND LOCAL BUILDING CODES AND ORDINANCES.
- 5. FIRE PROTECTION CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL NEW FIRE PROTECTION EQUIPMENT AND PIPING WITH ALL OTHER TRADES PRIOR TO SUBMITTAL OF SHOP DRAWINGS AND SYSTEM INSTALLATION, SO AS NOT TO INTERFERE WITH THE ROUTING OF NEW DUCTWORK, PLUMBING
- 6. PROVIDE ALL FITTINGS, RISER NIPPLES, ARM-OVERS, HANGERS, ETC. TO MAINTAIN CONFORMANCE WITH APPLICABLE STANDARDS AND TO POSITION THE SPRINKLERS IN THE PROPER LOCATIONS.
- 7. SEAL ALL PIPE PENETRATIONS THROUGH FIRE RATED WALLS AND CEILINGS WITH FIRE STOPPING MATERIALS AS REQUIRED.

9. PROVIDE WORKING DRAWINGS AND HYDRAULICALLY CALCULATE THIS FIRE

- 8. FOR REMODEL AREAS NEW SPRINKLERS SHALL MATCH EXISTING SPRINKLERS.
- AUTHORITY HAVING JURISDICTION. 10. PROVIDE FIELD COORDINATION OF PIPING AND SPRINKLER INSTALLATIONS WITH DUCTWORK, LIGHTS, SMOKE DETECTORS, DIFFUSERS, ETC.

SPRINKLER SYSTEM PER NFPA-13 WHERE REQUIRED BY THE LOCAL

FIRE PROTECTION DENSITIES:

- 1. ALL ROOMS TO BE LIGHT HAZARD UNLESS NOTE OTHERWISE ON THE PLANS.
- LIGHT HAZARD, 0.1 GPM OVER 1,500 SQ.FT ORDINARY HAZARD GROUP 1, 0.15 GPM OVER 1,500 SQ.FT
- ORDINARY HAZARD GROUP 2, 0.2 GPM OVER 1,500 SQ.FT EXTRA HAZARD, GROUP 1, 0.3 GPM OVER 2,500 SQ.FT XH2 EXTRA HAZARD, GROUP 2, 0.4 GPM OVER 2,500 SQ.FT

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N N

hord | coplan | macht ARCHITECTURE LANDSCAPE ARCHITECTURE

PLANNING INTERIOR DESIGN



B Project Name
NURSING RENOVATION

Project Number 2021-200 Date (YYYY/MM/DD) 2021/10/01

Drawn By

FIRE PROTECTION LEGENDS & NOTES

NOT FOR CONSTRUCTION

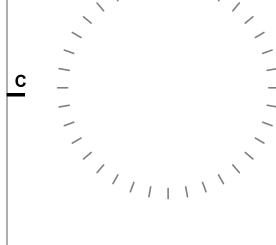
DESIGN DEVELOPMENT

(10e) (11e) (6e) (E) STORAGE 017 DCBFP-1 TO SPRINKLER SYSTEM (E) STORAGE 027 (E) MECHANICAL 028 H.1e H.2e FIRST LEVEL FIRE PROTECTION PLAN

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

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hord coplan macht



B Project Name NURSING RENOVATION

NOT FOR CONSTRUCTION

DESIGN DEVELOPMENT

| | (Not all symbols listed be | AL LEGI low are used o | END n these drawin | igs) | |
|--------------------|---|--|---|--|--|
| SYMBOL | DESCRIPTION | ABBR. | SYM | IBOL | DESCRIPTION |
| | | | DETAIL SHEETS | PLAN SHEETS | |
| | — SECTION DESIGNATION — SECTION CUT ON THIS SHEET | | - | | CAP END OF PIPE |
| | SECTION GOT ON THIS SHEET | | XX | SLOPE | PITCH DOWN IN DIRECTION OF ARROW |
| | VIEW REFERENCE DESIGNATION | | | | PIPE ANCHOR |
| | — VIEW REFERENCE ON THIS SHEET | | -=- | _= | PIPE ALIGNMENT GUIDE |
| X | — EQUIPMENT UNIT IDENTIFICATION | | -#- | | UNION OR FLANGE |
| 123 | EQUIPMENT UNIT NUMBER (UNIT SERVED - FLOOR - — SEQUENCE #) | | - | -+- | CONCENTRIC PIPE REDUCER |
| 10 | — DIFFUSER IDENTIFICATION | | | | ECCENTRIC PIPE REDUCER |
| A 250 | — DIFFUSER NECK DIAMETER — DIFFUSER CFM | PRV | ₩ | _\\\\\\ | PRESSURE REDUCING VALVE |
| | LINEAR DIFFUSER IDENTIFICATION | PTRV | | | PRESSURE AND/OR TEMPERATURE RELIEF VALVE |
| 8ø/24"L | LINEAR DIFFUSER NECK DIAMETER LINEAR DIFFUSER LENGTH | | | → | PLUG VALVE |
| 9999 | — LINEAR DIFFUSER CFM | | | | ISOLATION (GATE / BALL) VALVE |
| | — FINNED TUBE RADIATOR ACTIVE ELEMENT LENGTH | | <u>A</u> | → | VERTICAL PIPE VALVE |
| 2'-6" FTR | — EQUIPMENT UNIT IDENTIFICATION — FOUIPMENT UNIT NUMBER | GLV | — <u>M</u> | → | GLOBE VALVE |
| | — RADIATOR ENCLOSURE LENGTH (OR W-W=WALL-TO-WALL) | BFV | | → | BUTTERFLY VALVE |
| $\langle \rangle$ | KEY NOTE REFERENCE | BV | — | → | BALL VALVE |
| 1 | KITCHEN/OWNER/MEDICAL EQUIPMENT REFERENCE | CV | | | CHECK VALVE |
| \rightarrow | TYPICAL ROOM REFERENCE (TOP = RM #, BOTTOM = FLR) | | —₩— | — | SOLENOID / MOTORIZED VALVE |
| • | POINT OF CONNECTION, NEW TO EXISTING | | | — | BUTTERFLY SOLENOID VALVE |
| - | DIRECTION OF FLOW IN PIPE | | —-дн | | HOSE END DRAIN VALVE |
| [:::::] | DUCTWORK, PIPING AND EQUIPMENT TO BE REMOVED | P/T | | | PRESSURE / TEMPERATURE TAP |
| | EXISTING | | | | STRAINER |
| | NEW | | | | STRAINER W/ BLOWDOWN |
| | RELOCATED | | | | BRAIDED FLEXIBLE PIPE CONNECTOR |
| | FUTURE | | <u></u> —∞— | | DOUBLE-BOWL FLEXIBLE PIPE CONNECTOR |
| | DIAMETER | | — Q | | THERMOMETER |
| | WALL ACCESS DOOR | | 9 | | PRESSURE GAUGE |
| | NOT IN CONTRACT | | - 0- | | SIGHT GLASS |
| | ABOVE FINISHED FLOOR | C.A.P. | \square | | CEILING ACCESS PANEL |
| | GENERAL CONTRACTOR | | <u> </u> | — | PUMP |
| | MECHANICAL CONTRACTOR | ТВ | | - | THRUST BLOCK |
| | ELECTRICAL CONTRACTOR | | | | MANUAL AIR VENT |
| | UNLESS NOTED OTHERWISE | 1 | <u></u> | | AUTOMATIC AIR VENT |
| | X
123
A 10
250
E 8ø/24"L
9999
2'-6" FTR
3'-6" 28 | SYMBOL DESCRIPTION SECTION DESIGNATION SECTION CUT ON THIS SHEET VIEW REFERENCE DESIGNATION VIEW REFERENCE ON THIS SHEET EQUIPMENT UNIT DENTIFICATION EQUIPMENT UNIT DENTIFICATION DIFFUSER NECK DIAMETER DIFFUSER NECK DIAMETER DIFFUSER NECK DIAMETER LINEAR DIFFUSER NECK DIA | SYMBOL DESCRIPTION SECTION DESIGNATION SECTION CUT ON THIS SHEET VIEW REFERENCE DESIGNATION VIEW REFERENCE ON THIS SHEET COUIPMENT UNIT IDENTIFICATION EQUIPMENT UNIT NUMBER (UNIT SERVED - FLOOR - SEQUENCE #) DIFFUSER NECK DIAMETER DIFFUSER NECK DIAMETER DIFFUSER NECK DIAMETER LINEAR DIFFUSER LENGTH LINEAR DIFFUSER LENGTH LINEAR DIFFUSER LENGTH LINEAR DIFFUSER LENGTH LINEAR DIFFUSER LENGTH LINEAR DIFFUSER LENGTH LINEAR DIFFUSER NECK DIAMETER EQUIPMENT UNIT IDENTIFICATION EQUIPMENT UNIT IDENTIFICATION EQUIPMENT UNIT IDENTIFICATION EQUIPMENT UNIT NUMBER RADIATOR ENCLOSURE LENGTH (OR W-W-WALL-TO-WALL) X KEY NOTE REFERENCE TYPICAL ROOM REFERENCE (TOP = RM #, BOTTOM = FLR) POINT OF CONNECTION, NEW TO EXISTING DIRECTION OF FLOW IN PIPE LINEAR DIFFUSER LENGTH TO SERVE THE COUIPMENT TO BE REMOVED P/T EXISTING NEW RELOCATED FUTURE DIAMETER WALL ACCESS DOOR NOT IN CONTRACT ABOVE FINISHED FLOOR GENERAL CONTRACTOR MECHANICAL CONTRACTOR MECHANICAL CONTRACTOR ELECTRICAL CONTRACTOR | SYMBOL DESCRIPTION ABBR. SYM DETAIL SHEETS SECTION DESIGNATION SECTION CUT ON THIS SHEET VIEW REFERENCE DESIGNATION VIEW REFERENCE ON THIS SHEET EQUIPMENT UNIT IDENTIFICATION DIFFUSER NECK DIAMETER DIFFUSER RECK DIAMETER DIFFUSER RECK DIAMETER DIFFUSER RECK DIAMETER LINEAR DIFFUSER RECK DIAMETER LINEAR DIFFUSER RECK DIAMETER LINEAR DIFFUSER CFM FINNED TUBE RADIATOR ACTIVE ELEMENT LENGTH EQUIPMENT UNIT IDENTIFICATION EQUIPMENT UNIT IDENTIFICATIO | SECTION DESIGNATION SECTION CUT ON THIS SHEET SHEETS SHETS
| | LABORATORY / MEDICAL SERVICES LEGEND (Not all symbols listed below are used on these drawings) | | | | | | | | | | |
|-------|--|----------------------------------|-----------|----------------|---|--|--|--|--|--|--|
| ABBR. | SYMBOL | DESCRIPTION | ABBR. | SYMBOL | DESCRIPTION | | | | | | |
| O2 | | OXYGEN PIPING | Н | | HYDROGEN PIPING | | | | | | |
| LVAC | | LABORATORY VACUUM PIPING | ACET | | ACETYLENE GAS PIPING | | | | | | |
| MVAC | | MEDICAL VACUUM PIPING | 02 | o | OXYGEN SERVICE OUTLET | | | | | | |
| N2O | | NITROUS OXIDE PIPING | LVAC/MVAC | Y | LABORATORY/MEDICAL VACUUM SERVICE INLET | | | | | | |
| N | | NITROGEN PIPING | WAGD | Y | WASTE ANESTHESIA GAS DISPOSAL INLET | | | | | | |
| MA | | MEDICAL AIR PIPING | N2O | Ŧ | NITROUS OXIDE SERVICE OUTLET | | | | | | |
| CO2 | | CARBON DIOXIDE | N | P | NITROGEN SERVICE OUTLET | | | | | | |
| WAGD | | WASTE ANESTHESIA GAS DISPOSAL | G | † | NATURAL GAS SERVICE OUTLET | | | | | | |
| DI | | DEIONIZED WATER PIPING | LA/MA | 7 | LABORATORY/MEDICAL AIR SERVICE OUTLET | | | | | | |
| RO | | REVERSE OSMOSIS WATER PIPING | CO2 | Θ ₁ | CARBON DIOXIDE SERVICE OUTLET | | | | | | |
| He | | HELIUM GAS PIPING | ZVB | □ | ZONE VALVE BOX | | | | | | |
| LN | | LIQUID NITROGEN PIPING | AAP | | AREA ALARM PANEL | | | | | | |
| LA | | LABORATORY COMPRESSED AIR PIPING | MAP | | MASTER ALARM PANEL | | | | | | |
| G | | NATURAL GAS PIPING | | | | | | | | | |

| | FIRE PROTECTION LEGEND (Not all symbols listed below are used on these drawings) | | | | | | | | | | |
|---------|--|--------------------------------|--|-------|------------------|-------------------------|--|--|--|--|--|
| ABBR. | SYMBOL | DESCRIPTION | | ABBR. | SYMBOL | DESCRIPTION | | | | | |
| F | | FIRE SERVICE PIPING | | | 0 | SPRINKLER HEAD | | | | | |
| O.S.&Y. | — | O.S.&Y. VALVE W/ TAMPER SWITCH | | | \triangleright | SIDEWALL SPRINKLER HEAD | | | | | |
| FS | | FLOW SWITCH | | FVC | | FIRE VALVE CABINET | | | | | |
| PIV | - | POST INDICATOR VALVE | | | | | | | | | |
| FDC | - | FIRE DEPARTMENT CONNECTION | | | | | | | | | |
| | | | | | | | | | | | |

| | | PLUME (Not all symbols listed | BING LEGE below are used on t | | s) |
|-----------|----------|--|----------------------------------|--------------|------------------------------------|
| ABBR. | SYMBOL | DESCRIPTION | ABBR. | SYMBOL | DESCRIPTION |
| CW | | DOMESTIC COLD WATER PIPING | GCO | Ф | GRADE CLEANOUT |
| HW | | DOMESTIC HOT WATER PIPING | FCO | 0 | FLOOR CLEANOUT |
| HWC | | DOMESTIC HOT WATER CIRC PIPING | wco | ОН | WALL CLEANOUT |
| CW-S | | SOFTENED DOMESTIC COLD WATER PIPING | LCO | 다 | LINE CLEANOUT |
| HW-S | | SOFTENED DOMESTIC HOT WATER PIPING | AD | 0 | AREA DRAIN |
| 140°F HW | | DOMESTIC HOT WATER PIPING @ 140°F | FD | 0 | FLOOR DRAIN |
| 140°F HWC | | DOMESTIC HOT WATER CIRC PIPING @ 140°F | FS | | FLOOR SINK |
| 160°F HW | | DOMESTIC HOT WATER PIPING @ 160°F | RD / OD | 0 | ROOF DRAIN OR OVERFLOW DRAIN |
| 160°F HWC | | DOMESTIC HOT WATER CIRC PIPING @ 160°F | PRV | | GAS PRESSURE REDUCING VALVE |
| TW | | TEPID WATER PIPING | VB | | ATMOSPHERIC VACUUM BREAKER |
| TWC | | TEPID WATER CIRC PIPING | BFP | W_W | BACKFLOW PREVENTER |
| ICW | | INDUSTRIAL COLD WATER PIPING | SA | <u> </u> | SHOCK ARRESTOR W / ISOLATION VALVE |
| IHW | | INDUSTRIAL HOT WATER PIPING | GC | | GAS SHUT-OFF VALVE |
| IHWC | | INDUSTRIAL HOT WATER CIRC PIPING | | 中 | STOP AND DRAIN VALVE |
| NPCW | | NON-POTABLE COLD WATER PIPING | BV | * | BALANCING VALVE |
| NPHW | | NON-POTABLE HOT WATER PIPING | WH | + | WALL HYDRANT |
| NPHR | | NON-POTABLE HOT WATER CIRC PIPING | НВ | + | HOSE BIBB |
| V | | VENT PIPING | RH | | ROOF HYDRANT |
| AV | | ACID RESISTANT VENT PIPING | DSN | | DOWNSPOUT NOZZLE |
| W | <u> </u> | WASTE PIPING | МН | | MANHOLE |
| W | | FOUNDATION WASTE PIPING | CI | | CAST IRON |
| AW | | ACID RESISTANT WASTE PIPING | СВ | | CATCH BASIN |
| AW | | FOUNDATION ACID RESISTANT WASTE PIPING | VTR | | VENT THRU ROOF |
| GW | | GREASE WASTE (TO GREASE INTERCEPTOR) | IE | | INVERT ELEVATION |
| GW | | FOUNDATION GREASE WASTE | PVC | | POLYVINYL CHLORIDE |
| SD | İ | STORM DRAIN PIPING | | | |
| SD | | FOUNDATION STORM DRAIN PIPING | | | |
| OD | | OVERFLOW DRAIN PIPING | | | |
| OD | | FOUNDATION OVERFLOW DRAIN PIPING | | | |
| CA | | COMPRESSED AIR | | | |
| G | | NATURAL GAS PIPING | | | |

PLUMBING NOTES:

- 1. CONTRACTOR SHALL NOT SHUT-OFF/PUT OUT OF SERVICE ANY
- 2. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK AND SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES FOR RESOLUTIONS.
- 3. THIS CONTRACTOR SHALL COORDINATE LOCATIONS OF PIPING WITH OTHER TRADES AND ADVISE ARCHITECT/ENGINEER OF ANY POSSIBLE CONFLICTS. VERIFY EXACT LOCATIONS, ELEVATIONS AND DIMENSIONS OF STRUCTURAL
- 4. SEE SPECIFICATIONS FOR WATER HAMMER ARRESTOR SIZING. ALL FLUSH VALVES AND SOLENOID OPERATED EQUIPMENT SHALL HAVE A WATER
- 5. SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZING TO INDIVIDUAL PLUMBING FIXTURES.
- 6. ALL EXISTING FIXTURES AND EQUIPMENT TO BE REMOVED SHALL HAVE ALL ASSOCIATED PIPING CONTROLS, HANGERS, SUPPORTS AND ANY
- 8. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE ELEVATIONS AND LOCATIONS.
- ELEVATION OF 95.00'.
- 11. PROVIDE CLEANOUTS IN ACCESSIBLE LOCATIONS PER THE PROJECT

FOUNDATION

- 1. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK.
- COORDINATE WORK WITH ALL TRADES.
- 3. INVERT ELEVATIONS SHOWN ARE BASED ON A GROUND FLOOR FINISH
- 4. SEE ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR EXACT LOCATION
- GRADE HORIZONTAL WASTE PIPING.

- 1. FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR THE INSTALLATION OF A COMPLETE AND PROPERLY FUNCTIONING FIRE
- CONTRACTOR TO DETERMINE THE EXTENT OF NEW WORK AND THE COVERAGE TO THE PROJECT AREA SHOWN ON THESE AND THE
- DOES NOT NECESSARILY REPRESENT ALL ELBOWS, OFFSETS, HANGERS, ETC., REQUIRED FOR A COMPLETE WORKING SYSTEM.
- 4. ALL FIRE PROTECTION SYSTEMS INSTALLED SHALL BE IN ACCORDANCE WITH NFPA-13, 14, 20, ETC. AND LOCAL BUILDING CODES AND ORDINANCES.

5. FIRE PROTECTION CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL

- NEW FIRE PROTECTION EQUIPMENT AND PIPING WITH ALL OTHER TRADES PIPING, ETC.
- MAINTAIN CONFORMANCE WITH APPLICABLE STANDARDS AND TO POSITION
- 9. PROVIDE WORKING DRAWINGS AND HYDRAULICALLY CALCULATE THIS FIRE SPRINKLER SYSTEM PER NFPA-13 WHERE REQUIRED BY THE LOCAL
- 10. PROVIDE FIELD COORDINATION OF PIPING AND SPRINKLER INSTALLATIONS WITH DUCTWORK, LIGHTS, SMOKE DETECTORS, DIFFUSERS, ETC.

- SYSTEMS/SERVICES WITHOUT FIRST COORDINATING WITH OWNER.
- MEMBERS AND OPENINGS.
- HAMMER ARRESTOR.
- MISCELLANEOUS ASSOCIATED SERVICE OR PART REMOVED COMPLETELY.
- 7. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF PENETRATION DETAILS.
- 9. INVERT ELEVATIONS SHOWN ARE BASED ON A GROUND FLOOR FINISH
- 10. SEE ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR DIMENSIONED LOCATION OF PLUMBING FIXTURES AND WALLS.
- SPECIFICATIONS AND LOCAL PLUMBING CODES.

PLUMBING NOTES:

- ELEVATION OF 95.00'.
- OF PLUMBING FIXTURES AND WALLS.
- 5. PROVIDE A WALL CLEANOUT ON ALL VERTICAL VENT PIPING SERVING BELOW

FIRE PROTECTION PLAN NOTES:

- PROTECTION SYSTEM.
- 2. THE FIRE PROTECTION WORK INVOLVES ENGINEERING AND DESIGN BY THE MODIFICATION AND EXTENSION OF EXISTING SYSTEMS TO PROVIDE FULL ARCHITECTURAL PLANS.
- 3. THE INFORMATION PRESENTED ON THESE DRAWINGS IS DIAGRAMMATIC. IT
- PRIOR TO SUBMITTAL OF SHOP DRAWINGS AND SYSTEM INSTALLATION, SO AS NOT TO INTERFERE WITH THE ROUTING OF NEW DUCTWORK, PLUMBING
- 6. PROVIDE ALL FITTINGS, RISER NIPPLES, ARM-OVERS, HANGERS, ETC. TO THE SPRINKLERS IN THE PROPER LOCATIONS.
- 7. SEAL ALL PIPE PENETRATIONS THROUGH FIRE RATED WALLS AND CEILINGS WITH FIRE STOPPING MATERIALS AS REQUIRED.
- 8. FOR REMODEL AREAS NEW SPRINKLERS SHALL MATCH EXISTING SPRINKLERS.
- AUTHORITY HAVING JURISDICTION.

hord | coplan | macht

LANDSCAPE ARCHITECTURE

ARCHITECTURE

INTERIOR DESIGN

PLANNING

ARCHITECT

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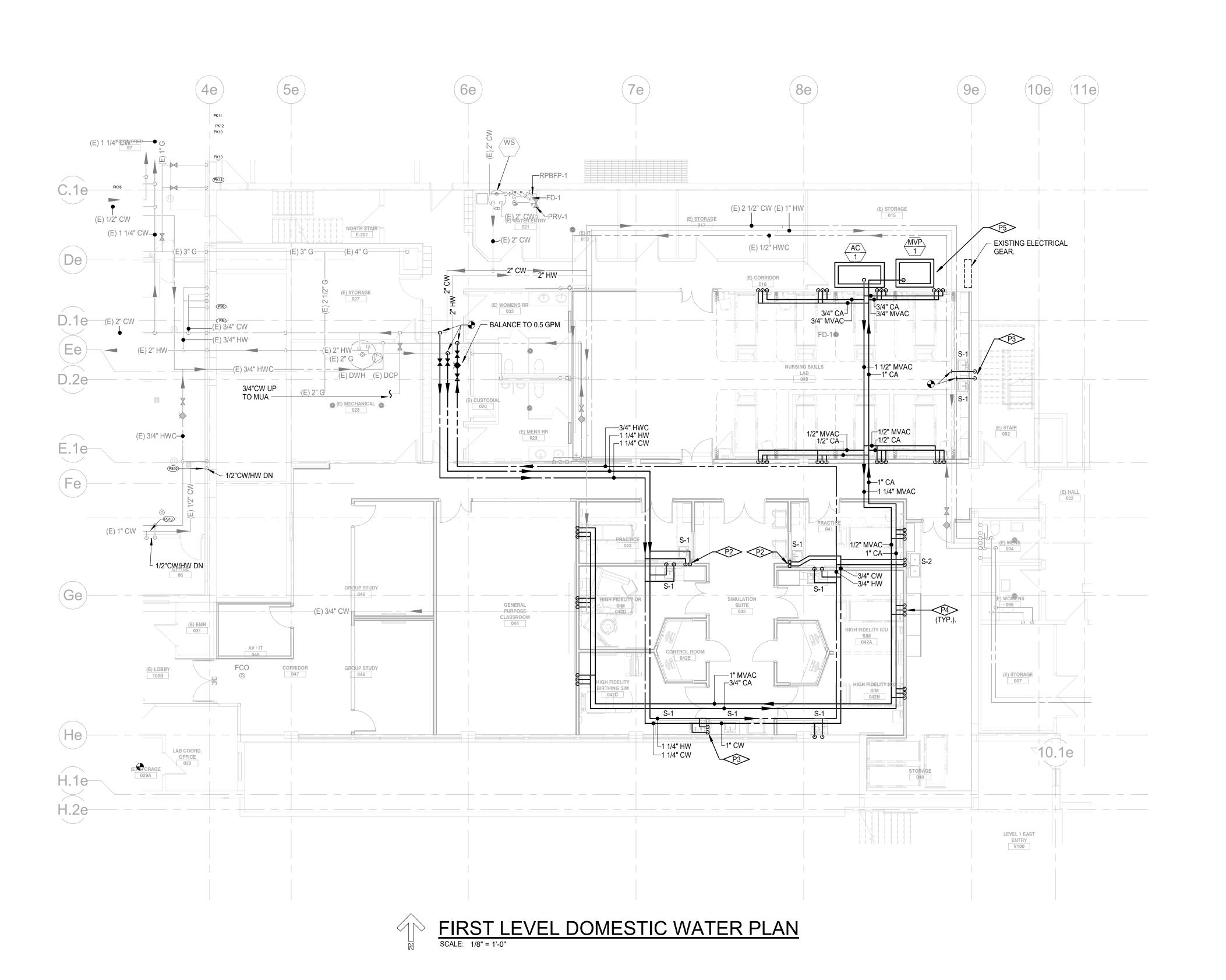
NURSING RENOVATION Project Number 2021-200

> Date (YYYY/MM/DD) 2021/10/01 Drawn By

PLUMBING LEGENDS &

NOT FOR CONSTRUCTION

DESIGN DEVELOPMENT



KEYNOTES

- P2 ROUTE PIPING DOWN WALL TO BELOW WINDOW FRAME AND OVER TO SINK.

 P3 ROUTE 3/4" CW ANS HW DOWN WALL THEN BRANCH WITH 1/2" HW AND
- P3 ROUTE 3/4" CW ANS HW DOWN WALL. THEN BRANCH WITH 1/2" HW AND CW TO BOTH SINKS.

 P4 PROVIDE "VAC, "MA AND "O2. CONNECT TO OUTLET(S). RE: ARCHITECT FOR EXACT LOCATION(S) AND NUMBER OF OUTLET(S).

 P5 FINAL LOCATION OF MEDICAL GAS EQUIPMENT SHALL COMPLY WITH NEC CLEARANCES TO ELECTRICAL PANELS.

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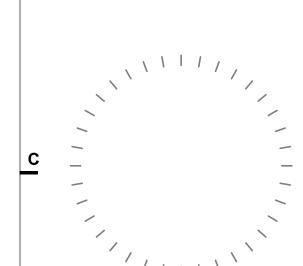
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COLORADO MOUNTAIN COLLEGE
NURSING RENOVATION

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PLANNING

INTERIOR DESIGN

Project Name
NURSING RENOVATION
Project Number
2021-200

2021-200 Date (YYYY/MM/DD) 2021/10/01

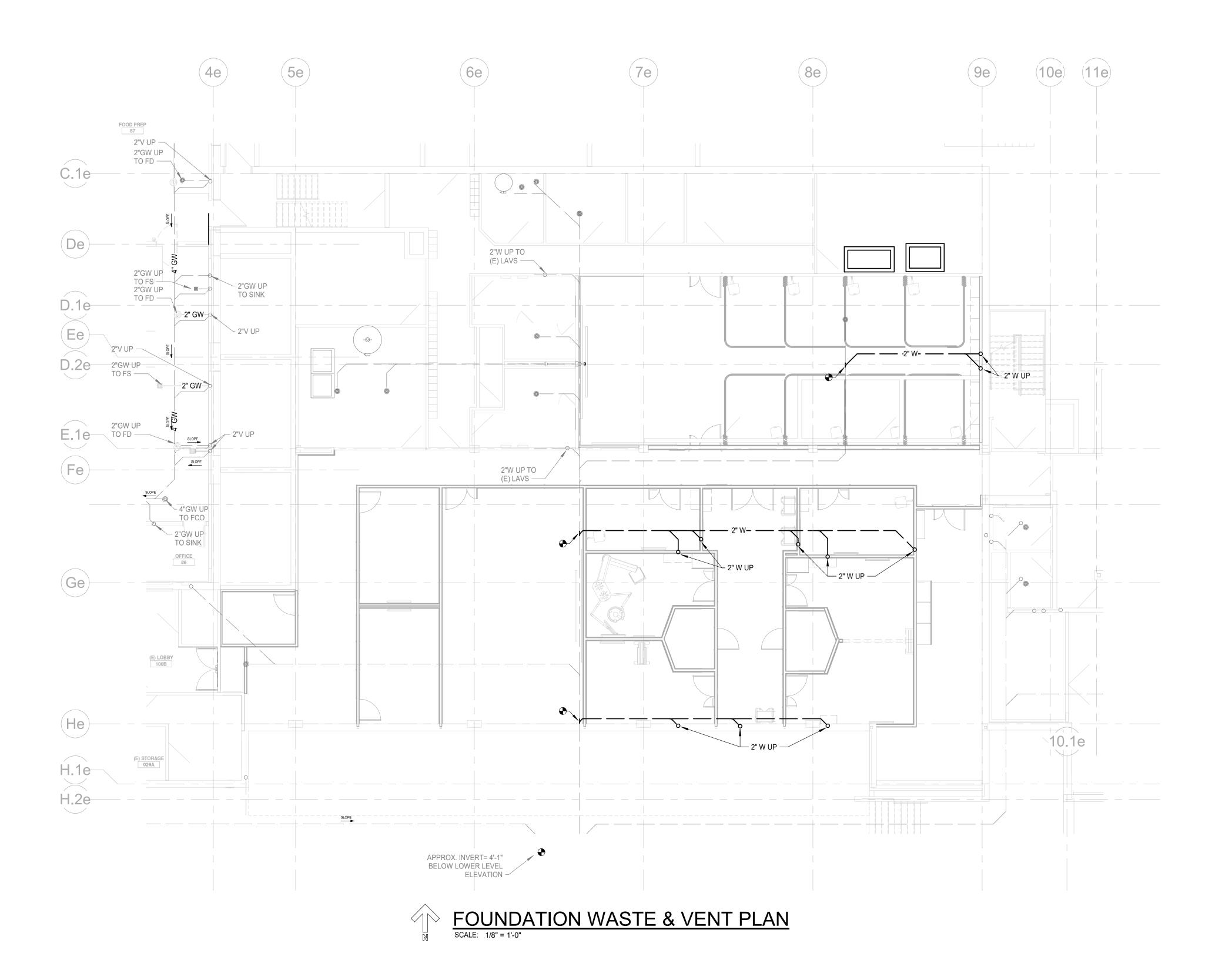
Drawn By Checked
SP SC

FIRST LEVEL DOMESTIC
WATER PLAN

P-101

NOT FOR CONSTRUCTION

DESIGN DEVELOPMENT



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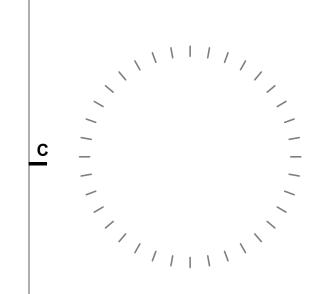
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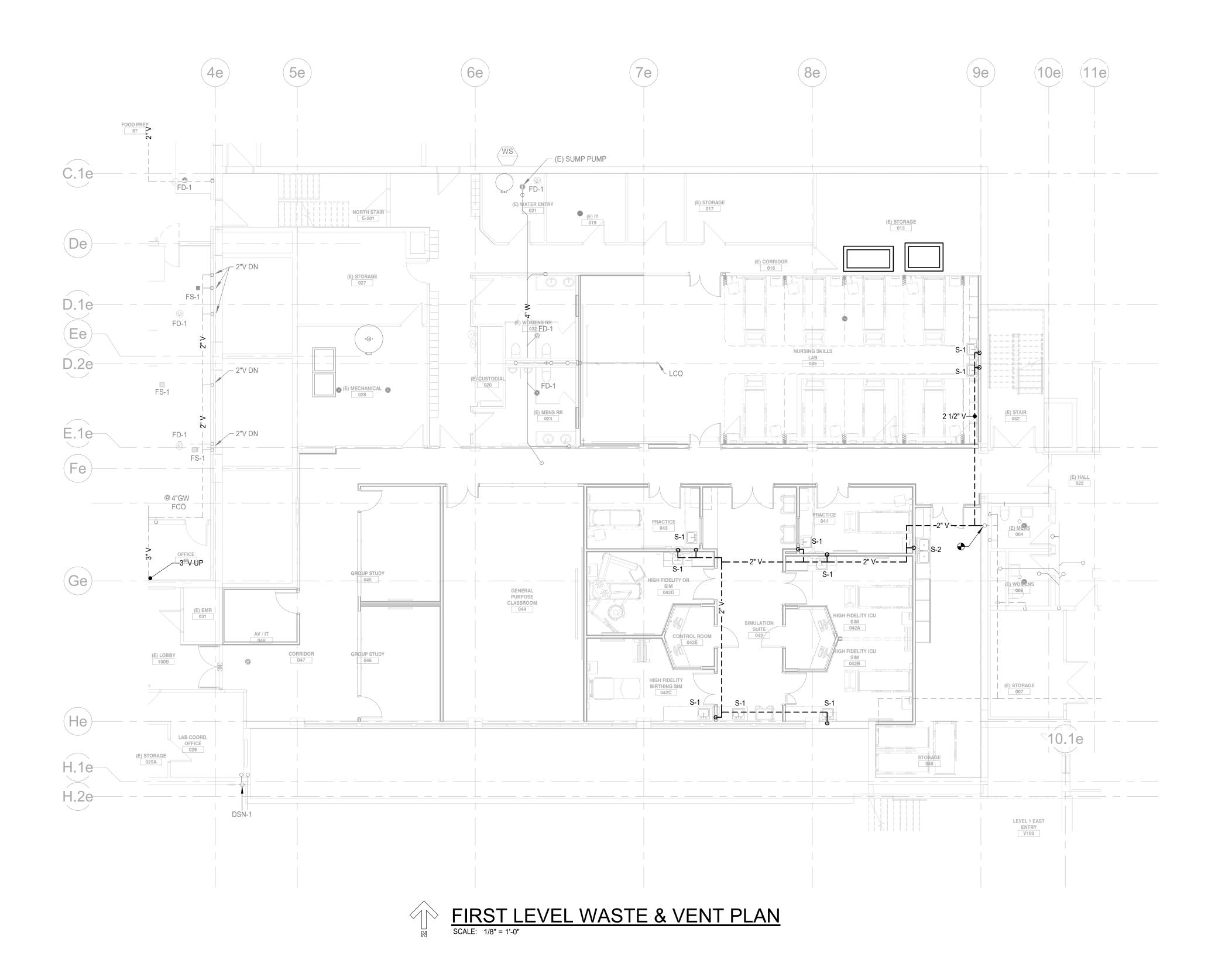
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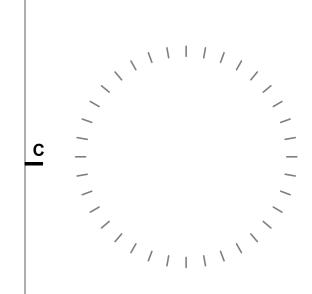
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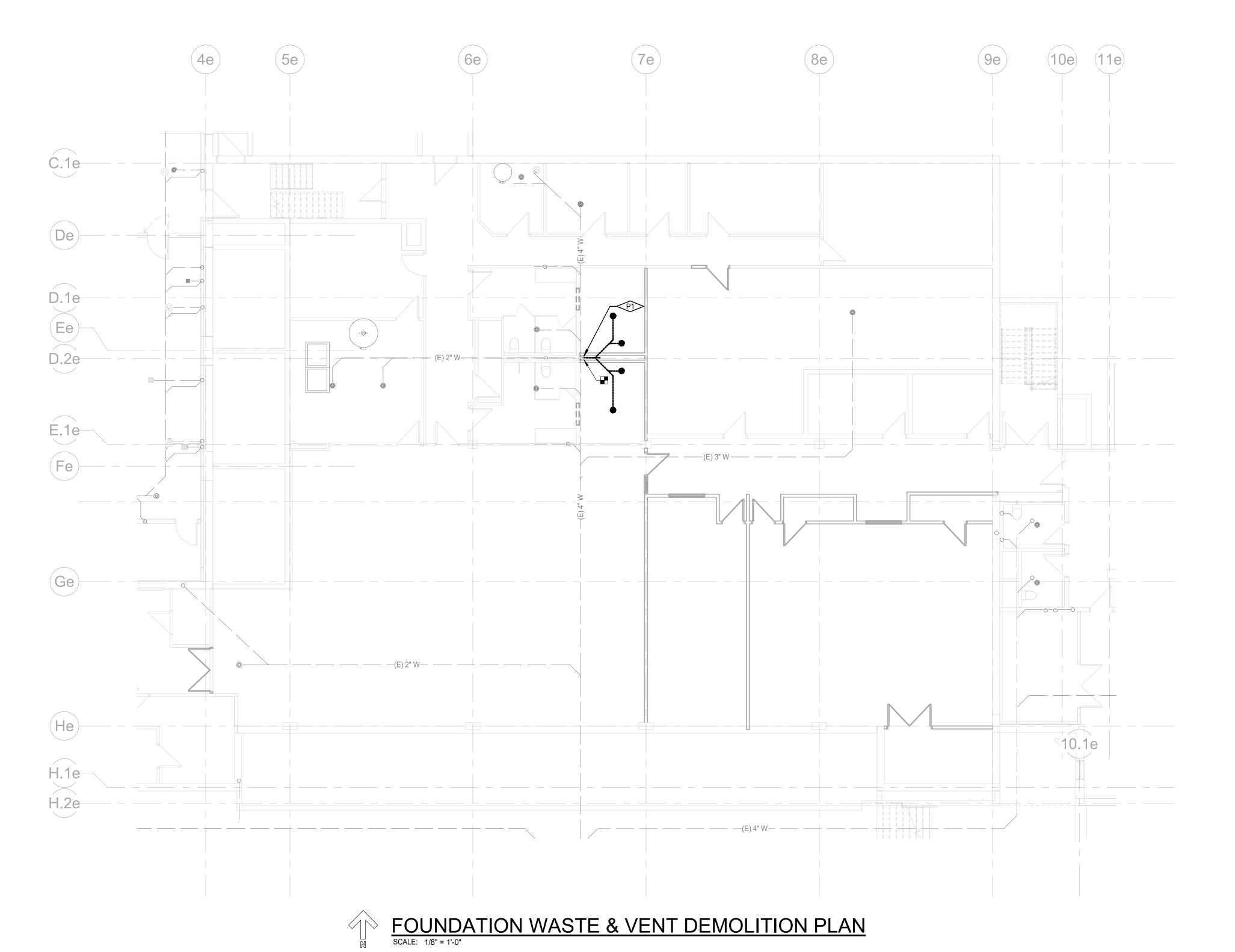
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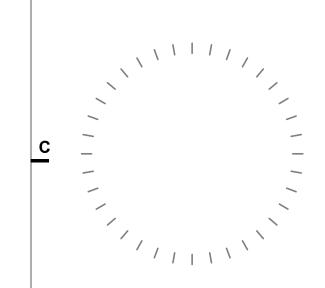
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Prawing
FOUNDATION WASTE & VENT
DEMOLITION PLAN

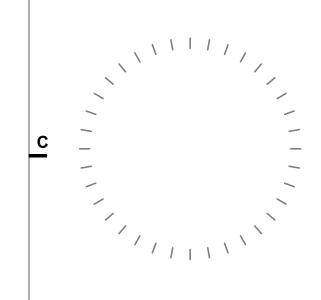
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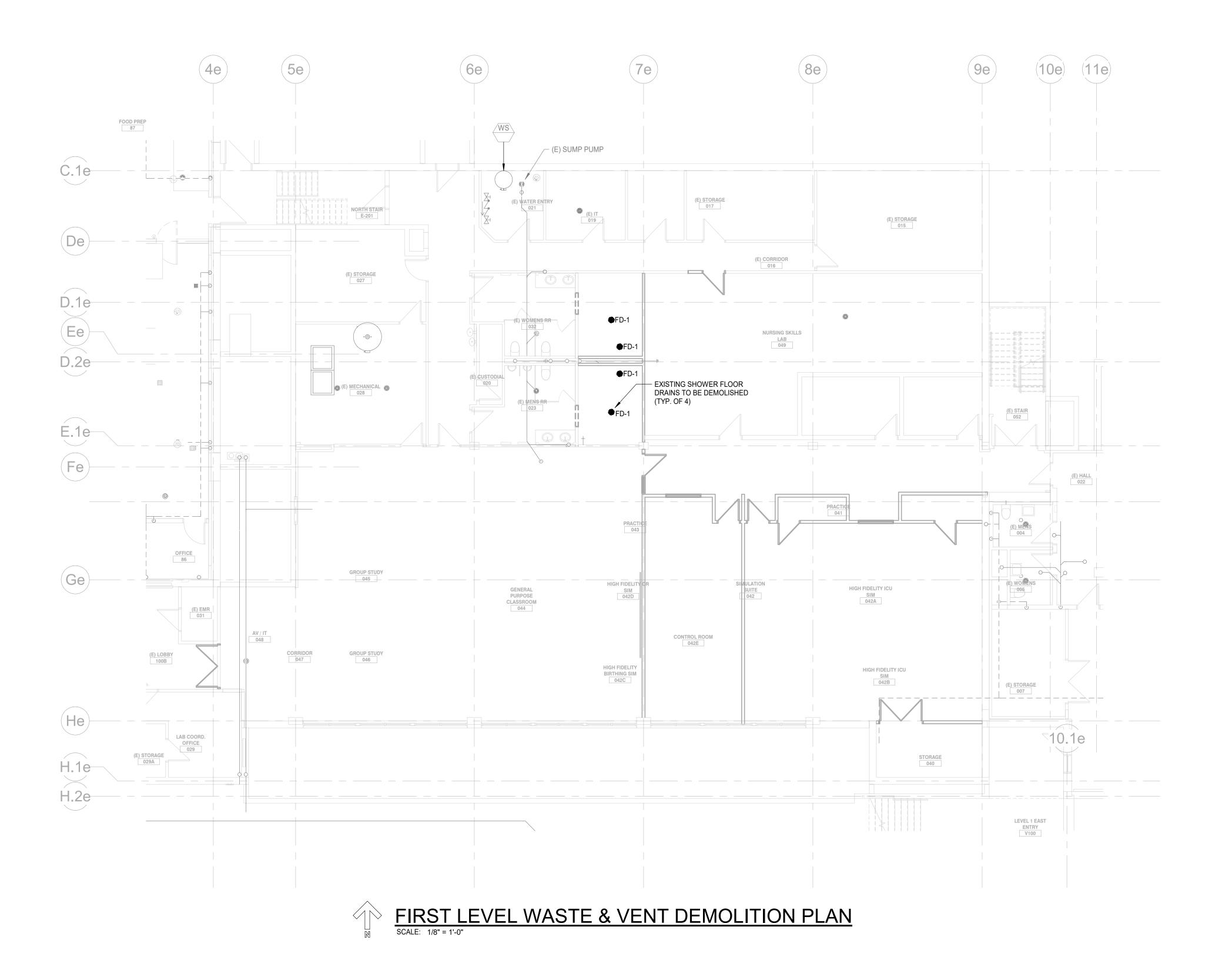
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DESIGN DEVELOPMENT



| TECHNOLOG | Y ABBR | EVIATIONS | | | | TECHNOLOGY SYN | MBOLS L | EGEND | (THIS IS A MASTER LEGE | ND, NOT ALL SYMBOLS MAY APPEAR ON DRAWINGS.) |
|---|-------------------------|--|------------------------------|--|--------------|---|-----------|---|------------------------|--|
| | GENERAL | | | GENERAL | | TECHNOLOGY DEVICES | TE | ECHNOLOGY DEVICES | TEL | ECOM BUILDING RISER |
| 4 NUMBER | ID. | IIINOTION POV | SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
| # NUMBER +18" MOUNTING HEIGHTS ARE TO CENTERLINE O ABOVE FINISHED FLOOR OR FINISHED GRAD | | JUNCTION BOX KNOCK OUT | ⊗⊣ | NEW WORK | • | FLOOR BOX / FLOOR POKE-THRU DEVICE / FLOOR CONDUIT STUB | | ACCESS PANEL | O COPPER O | 48 - PORT COPPER PATCH PANEL, RACK MOUNT |
| AC ALTERNATING CURRENT ADA AMERICAN WITH DISABILITIES ACT | LV | | \otimes | EXISTING WORK TO REMAIN | ⊗⊣ | WALL JUNCTION BOX | | LARGE JUNCTION BOX | O OPTICAL O | 48 - PORT OPTICAL FIBER PANEL, RACK MOUNT |
| AFC ABOVE FINISHED CEILING AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE | MH M, MIC | MANHOLE MICROPHONE | √Ş'- + | EXISTING WORK TO BE REMOVED (DEMO) | ⊗ | CEILING JUNCTION BOX | | CABLE BASKET - REFER TO PLANS FOR SIZE | 110 | 110 - STYLE PUNCHDOWN BLOCK, WALL MOUNT |
| AFG ABOVE FINISHED GRADE AHJ AUTHORITY HAVING JURISDICTION ARCH ARCHITECT | M, MTR MAX MFR | MOTOR MAXIMUM MANUFACTURER | # T### RISER | CONDUIT RISER - DETAIL # / SHEET # | ▼ | FLOOR TELECOM OUTLET | | CABLE RUNWAY - REFER TO PLANS FOR SIZE | TMGB **** | TELECOM MAIN GROUNDING BUSBAR (TMGB), WALL MOUNT |
| AV AUDIOVISUAL AVC AUDIOVISUAL CONTRACTOR | MIN MISC | MINIMUM MISCELLANEOUS | RISER | | ▼ | WALL TELECOM OUTLET | | CONDUIT - REFER TO PLANS FOR SIZE | ooo TGB ooo | TELECOM GROUNDING BUSBAR (TGB), WALL MOUNT |
| AWG AMERICAN WIRE GAUGE B BURIED | NA NEC | NOT APPLICABLE NATIONAL ELECTRICAL CODE | T### # | ELEVATION SYMBOL - DETAIL # / SHEET # | • | CEILING TELECOM OUTLET | FB | CONDUIT - RESERVED FOR FIBER BACKBONE | 4 | PRIMARY CABLE PROTECTION, WALL MOUNT |
| BD BLACK DROP BLDG BUILDING | NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION | | | | FLOOR POWER CIRCUIT | ® | CONDUIT - RESERVED FOR COPPER BACKBONE | | CATV HEAD END EQUIPMENT |
| BET BUILDING ENTRANCE TERMINAL C CONDUIT | NIC NTS | NOT IN CONTRACT NOT TO SCALE | # T### | SECTION SYMBOL - DETAIL # / SHEET # | | FLOOR POWER DUPLEX RECEPTACLE | HO | CONDUIT - RESERVED FOR HORIZONTAL CABLING | 00000 | CATV TAP |
| CA CABLE CAB CABINET | PR PRS | PROJECTOR PROJECTION SCREEN | TECHNI | OLOGY TAG DESIGNATIONS | # | FLOOR POWER DOUBLE DUPLEX RECEPTACLE | F | CONDUIT - RESERVED FOR FUTURE | 00 | CONDUIT - REFER TO PLANS FOR SIZE |
| CH CASE HEIGHT CW CASE WIDTH CD CASE DEPTH | OC OFCI | ON CENTER OWNER FURNISHED CONTRACTOR INSTALLED | | TYPE AND MOUNTING STYLE | (A) = | WALL POWER CIRCUIT | <u>\$</u> | CONDUIT - RESERVED FOR SECURITY | | |
| CAT CATALOG CATV CABLE TELEVISION | OFOI | OWNER FURNISHED OTHER INSTALLED | NUMBER DESIGN | LETTER DESIGNATES THE DISPLAY | = | WALL POWER DUPLEX RECEPTACLE | | FIRE RATED ASSEMBLY | | |
| CCTV CLOSED CIRCUIT TELEVISION CL CENTERLINE | QTY | QUANTITY | THE DISPLAY | TYPE — 2a THE DISPLAY MOUNTING STYLE | ─ | WALL POWER DOUBLE DUPLEX RECEPTACLE | | BUILDING ENTRANCE TERMINAL | | |
| CLG CEILING | REQ'D RHAFF | REQUIRED BOTTOM OF ROLLER HOUSING ABOVE | | SPLAY TYPE AND PROJECTOR & DISPLAY MOUNTING | (A) | CEILING POWER CIRCUIT | | | | OVISUAL ROOM RISERS |
| EMT ELECTRIC METALLIC TUBING EC ELECTRICAL CONTRACTOR | RGS | FINISHED FLOOR RIGID GALVANIZED STEEL | | E LEGENDS FOR MORE INFORMATION) | \ominus | CEILING DUPLEX RECEPTACLE | | CATV TAP | SYMBOL | DESCRIPTION |
| EST ESTIMATE EQUIP EQUIPMENT | SCC | STRUCTURED CABLE CONTRACTOR | PROJECTIO | ON TYPE AND MOUNTING STYLE | | CEILING DOUBLE DUPLEX RECEPTACLE | | GROUNDING BUSBAR | N A O | AN AUDIOVISUAL DEVICE WHICH CONTAINS A POWER RECEPTACLE AND A TELECOM OUTLET |
| SIST, (E) EXISTING FACP FIRE ALARM CONTROL PANEL | TYP | TYPICAL | LETTER DESIGN THE PROJEC | CTION → 〈A2〉 → THE PROJECTOR | | CEILING LOUDSPEAKER BY AV CONTRACTOR - SHOWN | | MAIN GROUNDING BUSBAR | | ALIDIOVIOLIAL ILINOTION DOV |
| FPD FLAT PANEL DISPLAY | UG UNO | UNDERGROUND UNLESS NOTED OTHERWISE | SCREEN (REFER TO THE PRO | ITYPE MOUNTING STYLE DJECTION SCREEN TYPE AND PROJECTOR & DISPLAY | <u>(S)</u> | FOR COORDINATION PURPOSES ONLY. EXACT LOCATION TO BE COORDINATED BY THE AV CONTRACTOR. | | ELECTRICAL / SECURITY PANEL | A | AUDIOVISUAL JUNCTION BOX |
| HH HANDHOLE IH IMAGE HEIGHT | UPS UTP | UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED-PAIR | MOUNTING | STYLE LEGENDS FOR MORE INFORMATION) | © | CEILING AV CAMERA BY AV CONTRACTOR - SHOWN FOR COORDINATION PURPOSES ONLY. EXACT LOCATION TO | | TERMINATION BLOCK - 66 STYLE | N | TELECOM JUNCTION BOX |
| IHAF BOTTOM OF IMAGE HEIGHT ABOVE FINISHED IW IMAGE WIDTH | D FLOOR WP | | TE | ELECOM DESIGNATORS | | BE COORDINATED BY THE AV CONTRACTOR. | | TERMINATION BLOCK - 110 STYLE | | POWER DESIGNATIONS |
| GC GENERAL CONTRACTOR | XP | EXPLOSION PROOF | | SYMBOL DESIGNATES FLOOR, WALL OR CEILING | (M) | CEILING AV MICROPHONE BY AV CONTRACTOR - SHOWN FOR COORDINATION PURPOSES ONLY. EXACT LOCATION TO BE COORDINATED BY THE AV CONTRACTOR. | | VERTICAL CABLE MANAGER | \cap | CONDUIT STUB |
| TECHN | NOLOGY SPECI | FIC . | N-NUMBER DESIGN BOX-TY | YPE & → N2A → LETTER DESIGNATES | | FLAT PANEL DISPLAY BY AV CONTRACTOR - SHOWN FOR COORDINATION PURPOSES ONLY. | | RACK - 2 POST | | FLEXIBLE CONDUIT RUN |
| J# AV JUNCTION BOX N# TELECOM JUNCTION BOX | FB#(P#) FB#(N#,P#) | | MOUNTING S (REFER TO THE TEI | LECOM CABLING LEGEND FOR MORE INFORMATION) | | PROJECTOR BY AV CONTRACTOR - SHOWN FOR | | RACK - 4 POST | | |
| P# POWER OUTLET J#(N#) JUNCTION BOX W/ AV AND TELECOM | FP# FP#(N#) | FLOOR POKE-THRU DEVICE W/ TELECOM | V | ERTICAL PLACEMENT | 人 | COORDINATION PURPOSES ONLY. | | Trick Troot | | J-HOOK |
| J#(P#) JUNCTION BOX W/ AV AND POWER (N#,P#) JUNCTION BOX W/ AV, TELECOM AND POWER FB# FLOOR BOX | FP#(P#) R FP#(N#,P#) | AND POWER | J#J# ⊗→ | · OR J#N#⊗→ OR N#N#⊗→ | | PROJECTION SCREEN - REFER TO THE PROJECTION | | EQUIPMENT RACK | | |
| FB#(N#) FLOOR BOX W/ TELECOM | FS# | FLOOR CONDUIT STUB | (DENOTES DEVIC | CES WHICH FALL ON THE SAME VERTICAL PLANE) | | SCREEN TYPE LEGEND AND NOTES FOR MORE INFORMATION. | | PLYWOOD BACKBOARD | | |
| | | | | | l | TEOLINIOL OOV OF | | NOTEO | | I |

CONTRACTOR RESPONSIBILITY MATRIX

| ITEM / TASK | FURNISH | INSTALL |
|---|---------|---------|
| UNISTRUT, THREADED ROD, SUPPORT CABLE, FASTENERS OR OTHER HARDWARE REQUIRED TO ATTACH AUDIOVISUAL WALL OR CEILING MOUNTS TO STRUCTURE | GC | GC |
| ROUGH OR FINISHED TRIM, CASEWORK AND MILLWORK | GC | GC |
| STRUCTURAL BACKING ("BLOCKING") AS REQUIRED TO SUPPORT WALL MOUNTED AUDIOVISUAL COMPONENTS AND STRUCTURAL WORK FOR SPECIAL CONSTRUCTION | GC | GC |
| AC POWER SYSTEMS, CONDUIT, RACEWAYS, ELECTRICAL BACK BOXES, JUNCTION BOXES, PULL BOXES, FLOOR BOXES, LOW-VOLT CABLE TRAY, AND OTHER ELECTRICAL INFRASTRUCTURE | GC | GC |
| LIGHTING FIXTURES, DIMMING SYSTEMS AND WALL CONTROLLERS | GC | GC |
| LOW VOLTAGE AV CONTROL INTERFACE FOR LIGHTING SYSTEM (DIMMER SIDE) AND PATHWAY TO AUDIOVISUAL CONTROL SYSTEM EQUIPMENT RACK | GC | GC |
| LOW VOLTAGE AV CONTROL INTERFACE FOR MOTORIZED WINDOW SHADES AND PATHWAY TO AUDIOVISUAL CONTROL SYSTEM EQUIPMENT RACK | GC | GC |
| TELECOMMUNICATIONS STRUCTURED CABLING SYSTEMS, HORIZONTAL AND BACKBONE CABLING AND TERMINATION, TELECOM / IT RACKS, LADDER RUNWAY, AND CABLE MANAGEMENT SYSTEMS | SCC | SCC |
| TELECOMMUNICATIONS CONNECTOR INSERT PLATES FOR FLOOR BOXES AND / OR WALL BOXES | SCC | SCC |
| PROJECTION SCREENS - WALL MOUNTED, CEILING MOUNTED, OR FIXED FRAME | GC | GC |
| AUDIOVISUAL CONNECTOR INSERT PLATES FOR FLOOR BOXES AND / OR WALL BOXES | AVC | AVC |
| AUDIOVISUAL CABLING AND TERMINATIONS FOR AUDIOVISUAL SYSTEMS | AVC | AVC |
| PROJECTORS, FLAT PANEL DISPLAYS, CONTROL PANELS, MICROPHONES, SPEAKERS AND OTHER AUDIOVISUAL EQUIPMENT | AVC | AVC |
| LECTERNS / SPECIALTY TECHNICAL FURNITURE | AVC | AVC |
| AUDIOVISUAL EQUIPMENT RACKS | AVC | AVC |

- . ALL ITEMS AND TASKS LISTED ARE THE RESPONSIBILITY OF THE NOTED CONTRACTOR.
- SCC IS STRUCTURED CABLING CONTRACTOR, OWNER'S PREFERRED VENDOR. . AVC IS AUDIOVISUAL SYSTEMS CONTRACTOR, OWNER'S PREFERRED VENDOR.
- TECHNOLOGY DEMOLITION SCOPE NOTES: REFER TO SHEET TD-111 FOR DEMOLITION REQUIREMENTS OF EXISTING LOW-VOLT TECHNOLOGY DEVICES.
- 2. OWNER TO REMOVE ALL EXISTING AV/TELECOM/SECURITY DEVICES AND DATA OUTLETS WITHIN DEMOLITION WORK SCOPE AREA (UON).
- 3. GC TO PULL BACK ABANDONED LOW-VOLT CABLING TO SOURCE ROOM AND COIL IN PLACE. 4. COORDINATE DEMOLITION REQUIREMENTS AND PHASING WITH OWNER IT DEPARTMENT PRIOR TO WORK.
- TECHNOLOGY SYSTEMS NEW WORK SCOPE NOTES:
- GC TO PROVIDE ALL SCOPE AS IDENTIFIED IN THE CONTRACTOR RESPONSIBILITY MATRIX. TECHNOLOGY SYSTEMS EQUIPMENT AND CABLING INSTALLATION SHALL BE PERFORMED BY OWNER'S PREFERRED VENDOR(S). COORDINATE FINAL EQUIPMENT LOCATIONS, REQUIREMENTS AND PHASING WITH OWNER PRIOR TO WORK.

TECHNOLOGY GENERAL NOTES

NOTIFY THE DESIGNER OF ANY DISCREPANCIES BETWEEN THESE CONTRACT DRAWINGS AND FIELD CONDITIONS.

INSTALLATION:
INSTALL ALL COMPONENTS AS PER MANUFACTURERS RECOMMENDATIONS AND PER ALL APPLICABLE CODES.

THE MAKE AND MODEL OF LOW VOLTAGE INFRASTRUCTURE DEVICES IN THE TECHNOLOGY LEGENDS HAVE BEEN LISTED TO ESTABLISH THE DESIRED LEVEL OF QUALITY AND PERFORMANCE FOR EACH DEVICE. UNLESS OTHERWISE INDICATED, THE INSTALLING CONTRACTOR MAY SUBSTITUTE THESE DEVICES WITH EQUIVALENT APPROVED PRODUCT BY OTHER MANUFACTURERS.

DEVICE MOUNTING: DEVICE SPECIFIED MOUNTING ELEVATIONS ARE "ON CENTER" UNLESS OTHERWISE NOTED. ALL DEVICE HEIGHTS SHALL COMPLY WITH ANSI 117.1 CHAPTER 3, SECTION 307, PROTRUDING OBJECTS AND CHAPTER 3, SECTION 308, REACH RANGES. IF ANY DEVICE OR BOX SPECIFIED WITHIN IS FOUND TO BE IN CONFLICT WITH ABOVE SECTIONS A CONFIRMING RFI SHOULD BE PLACED PRIOR TO RELOCATING.

FLOOR BOX, JUNCTION BOX, AND PULL BOX COVERS:
UNLESS OTHERWISE DIRECTED, ALL FLOOR BOXES, JUNCTION BOXES, AND PULL BOXES MUST BE PROVIDED WITH A COVER. WHERE RAISED DEVICE COVERS ARE SPECIFIED IN THE SCHEDULE, MATCH THE RAISED COVER DEPTH TO THE WALL THICKNESS. WHERE JUNCTION BOXES ARE MOUNTED AT OR ABOVE FINISHED CEILING HEIGHT, INSTALL JUNCTION BOX WITH OPEN SIDE FACING DOWN.

THE FIRE STOP SYSTEM SHALL COMPLY WITH THE IBC, NEC AND WITH NFPA 101-LIFE SAFETY CODE (LATEST EDITION) AND SHALL BE MADE AVAILABLE FOR INSPECTION BY THE LOCAL INSPECTION AUTHORITIES PRIOR TO CABLE SYSTEM ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE FIRE RATING OF ALL WALLS AND FLOORS HAVING PENETRATIONS. COORDINATE SEALANT INSTALLATION WITH WORK OF OTHER TRADES. REFER TO GENERAL AND / OR ELECTRICAL SPECIFICATION SECTIONS FOR FURTHER MATERIAL AND INSTALLATION PARAMETERS.

GROUND COMMUNICATIONS SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH THE ANSI/TIA-607-C GROUNDING STANDARD AND APPLICABLE NEC REQUIREMENTS EXCEPT WHERE THE DRAWINGS OR SPECIFICATIONS EXCEED NEC REQUIREMENTS. ALL RACKS, METALLIC BACKBOARDS, CABLE SHEATHS, METALLIC STRENGTH MEMBERS, SPLICE CASES, CABLE TRAYS, ETC. ENTERING OR RESIDING IN TECHNICAL EQUIPMENT SPACES SHALL BE GROUNDED TO THEIR RESPECTIVE GROUND SYSTEM USING A MINIMUM #6 AWG STRANDED COPPER BONDING CONDUCTOR AND COMPRESSION CONNECTORS. ALL WIRES USED FOR TECHNICAL POWER SYSTEMS GROUNDING PURPOSES SHALL BE IDENTIFIED WITH GREEN INSULATION OR IDENTIFIED AT EACH TERMINATION POINT WITH A WRAP OF GREEN TAPE. ALL CABLES AND BUS BARS SHALL BE IDENTIFIED AND LABELED "TECHNICAL POWER SYSTEM GROUND".

TECHNICAL POWER & GROUNDING SYSTEM:

DUE TO THE SENSITIVE NATURE OF ELECTRONIC EQUIPMENT THAT IS BEING USED, POWER QUALITY MUST BE ASSURED. POWER FOR TECHNOLOGY SYSTEMS SHOULD BE DERIVED FROM DEDICATED TECHNICAL POWER PANELS WHICH DO NOT SHARE CIRCUITS WITH EQUIPMENT LOADS THAT GENERATE ELECTRICAL NOISE ON THE POWER LINE. THIS MIGHT INCLUDE: AIR CONDITIONING EQUIPMENT, MOTORS, HEAVY INDUSTRIAL EQUIPMENT, OR DIMMED LIGHTING LOADS: ALL OF WHICH CREATE TRANSIENTS, HARMONICS, SURGES AND SPIKES. FOR ADDITIONAL GUIDELINES REFER TO THE IEEE STD. 1100 (2005) EMERALD BOOK 'RECOMMENDED PRACTICE FOR POWERING AND GROUNDING ELECTRONIC EQUIPMENT'. WHERE PRACTICAL, ALL TECHNICAL POWER CIRCUITS FOR EQUIPMENT WITHIN A ROOM SHOULD BE ON THE SAME PHASE TO ENSURE PROPER EQUIPMENT TIMING WITHIN THE SYSTEM.

TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) DEVICES SHOULD BE PROVIDED AT POWER DISTRIBUTION PANELS SERVING TECHNICAL POWER CIRCUITS. THESE TVSS DEVICES MUST BE INSTALLED ACCORDING TO NEC ARTICLE 285. ALL DEVICES MUST BE UL 1449 COMPLIANT, IN BROADCAST APPLICATIONS OR IN LARGE SYSTEMS, A SEPARATELY DERIVED TECHNICAL POWER SOURCE PROVIDED BY AN ELECTROSTATICALLY SHIELDED ISOLATION TRANSFORMER MAY BE

ALL TECHNICAL POWER OUTLETS MUST BE WIRED AS "ALWAYS ON". NO OUTLETS SERVING TECHNOLOGY SYSTEMS SHALL BE ON SWITCHED, TIME OF DAY, OR OCCUPANCY CONTROLLED OUTLETS.

TECHNICAL GROUND SYSTEM (TGS)
TECHNICAL GROUND SHALL CONSIST OF AN INSULATED GROUND CONDUCTOR FROM THE PANEL BOARD TO EACH TECHNICAL GROUND RECEPTACLE. AT THE RECEPTACLE, THE GROUND CONDUCTOR SHALL BE ELECTRICALLY ISOLATED FROM THE ELECTRICAL BOX AND CONDUIT SYSTEM.

TECHNICAL ELECTRICAL SUPPLY GROUNDING SHALL BE VIA A GROUNDING ELECTRODE AND MEET NEC ARTICLE 250 REQUIREMENTS. A TECHNICAL POWER SYSTEM IS FURTHER DEFINED IN NEC ARTICLE 640 AS "AN ELECTRICAL DISTRIBUTION SYSTEM WITH GROUNDING IN ACCORDANCE WITH 250.146(D), WHERE THE EQUIPMENT GROUNDING CONDUCTOR IS ISOLATED FROM THE PREMISES GROUNDING CONDUCTOR EXCEPT AT A SINGLE GROUNDED TERMINATION POINT WITHIN A BRANCH-CIRCUIT PANEL BOARD, AT THE ORIGINATING (MAIN BREAKER) BRANCH-CIRCUIT PANEL BOARD, OR AT THE PREMISES GROUNDING

INSULATED GROUNDING CONDUCTORS FROM THE BREAKER PANEL BOARDS SHALL BE IN A "STAR" CONFIGURATION AND NOT LOOP FROM ONE PANEL TO THE NEXT PANEL. AT EACH BREAKER PANEL, PROVIDE AN INSULATED GROUND BUS BAR FOR CONNECTIONS OF ALL TGS INSULATED GROUND CONDUCTORS AND NO OTHERS. THE GREEN SAFETY GROUND WIRES FROM EACH TGS RECEPTACLE OR CIRCUIT ARE BROUGHT TO THIS BUS. EACH TECHNICAL POWER RECEPTACLE SHALL BE OF A UNIQUE COLOR AND / OR CLEARLY AND PERMANENTLY LABELED "TECHNICAL POWER".

RISER GENERAL NOTES

RISER DRAWINGS AND CONDUIT ROUTING THE ROOM RISER DRAWINGS ARE DIAGRAMMATIC IN NATURE. CONDUIT PATHS SHOWN ON THE ROOM RISERS ARE INTENDED TO CONVEY REQUIRED DEVICE

INTERCONNECTION AND SIZES ONLY. ACTUAL CONDUIT ROUTING IN THE FIELD MAY BE REQUIRED TO FOLLOW ROUTING CONTRARY TO THAT IMPLIED BY THE ROOM RISER. CONDUIT ROUTING IS AT CONTRACTOR'S DISCRETION, BUT THE CONTRACTOR SHALL PROVIDE A PULL BOX IMMEDIATELY BEFORE AND AFTER ANY CONDUIT RUN SECTION CONTAINING TWO NINETY-DEGREE TURNS, OR ANY SINGLE RUN EXCEEDING FIFTY FEET IN LENGTH REGARDLESS OF WHETHER PULL BOXES ARE SHOWN ON THE DRAWINGS OR NOT. IN ALL CASES, CONDUIT ROUTES SHALL FOLLOW THE SHORTEST PATH POSSIBLE WHILE COMPLYING WITH INDUSTRY STANDARDS AND BEST PRACTICES.

CONDUIT RUNS:

ALL CONDUIT RUNS SHALL BE STEEL, THIN-WALL ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE INDICATED. THE USE OF FLEXIBLE CONDUIT IS NOT

REQUIRED ADJACENCY TO AUDIOVISUAL COMPONENTS. PERMISSIBLE EXCEPT WHERE INDICATED ON THE DRAWINGS. CONDUIT SIZES AND INTERCONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS.

TERMINATE CONDUIT STUBS INTO CLEAR SPACE 18 INCHES ABOVE ACCESSIBLE CEILING IN ROOM INDICATED.

PROVIDE A NYLON BUSHING ON ALL CONDUIT STUBS AND NON-TERMINATING CONDUIT ENDS TO PROTECT WIRE PULLS.

ALL CONDUIT RUNS SHALL BE PROVIDED WITH A #12 PULL STRING OR EQUAL.

POWER DESIGNATORS AND RECEPTACLES POWER DESIGNATORS AND RECEPTACLES WHICH APPEAR ON THE ROOM RISER DRAWINGS ARE SHOWN TO INDICATE THEIR ASSOCIATION WITH AND REQUIRED ADJACENCY TO AUDIOVISUAL COMPONENTS. NOTE THAT NOT ALL POWER RECEPTACLES REQUIRED TO SUPPORT THE AUDIOVISUAL SYSTEMS ARE SHOWN ON THE ROOM RISER DIAGRAMS; ONLY THOSE THAT ARE PART OF OR INTERFACE WITH THE AUDIOVISUAL JUNCTION BOXES ARE SHOWN. REFER TO THE AUDIOVISUAL INFRASTRUCTURE PLANS, ELEVATIONS AND DETAILS FOR ADDITIONAL GUIDANCE REGARDING AUDIOVISUAL POWER LOCATIONS. REFER TO

THE ELECTRICAL DRAWINGS FOR COMPLETE POWER LAYOUTS AND CIRCUITING DETAILS.

JUNCTION BOXES FOR TELECOM OUTLETS WHICH APPEAR ON THE ROOM RISER DRAWINGS ARE SHOWN TO INDICATE THEIR ASSOCIATION WITH AND

AV SPECIFIC ROOM RISERS

NOT ALL TELECOM OUTLETS REQUIRED TO SUPPORT THE AUDIOVISUAL SYSTEMS ARE SHOWN ON THE ROOM RISER DIAGRAMS; ONLY THOSE THAT ARE PART

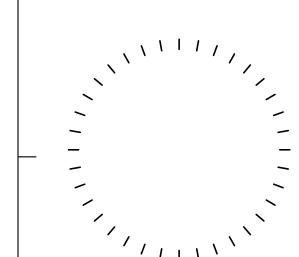
NOT ALL TELECOM OUTLETS REQUIRED TO SUPPORT THE AUDIOVISUAL INEQUAL INEQUAL DISERVED OF THE AUDIOVISUAL INEQUAL DISERVED TO THE AUDIOVISUAL INEQUAL DISERVED TO THE AUDIOVISUAL INEQUAL DISERVED TO THE AUDIOVISUAL INEQUAL DISERVED TO THE AUDIOVISUAL DISERVED TO THE A OF OR INTERFACE WITH AUDIOVISUAL JUNCTION BOXES ARE SHOWN. REFER TO THE AUDIOVISUAL INFRASTRUCTURE PLANS, ELEVATIONS AND DETAILS FOR ADDITIONAL GUIDANCE REGARDING AUDIOVISUAL TELECOM OUTLET LOCATIONS. REFER TO THE STRUCTURED CABLING DRAWINGS FOR COMPLETE TELECOMMUNICATIONS PATHWAYS, OUTLETS AND CABLING REQUIREMENTS.

CONDUITS SHOWN ON THE ROOM RISER DRAWINGS ARE FOR AV ONLY AND SHALL NOT BE USED FOR TELECOM CABLES.

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LANDSCAPE ARCHITECTURE PLANNING INTERIOR DESIGN



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INFRASTRUCTURE LEGENDS

TECHNOLOGY

AND NOTES

CONTRACT DOCUMENTS

| | TECHNOLOGY JUNCTION BOX LEGEND | | | | | | | | | | | | |
|-----------|--------------------------------|---|------------------|---------------------|-----------------|---|--|--|---------------------|--------------|--|--|--|
| T` SYM | PE STYLE | FUNCTION | ENCLOS LENGTH | SURE DIMEN WIDTH | NSIONS DEPTH | ENCLOSURE DESCRIPTION | ENCLOSURE MAKE & MODEL | MOUNTING STYLE | REFERENCE DETAIL | LEGEND NOTES | | | |
| C1 | WALL | CAMERA PULL BOX | 4 11/16" | 4 11/16" | 2 1/8" | PULL BOX W/ RAISED TWO-DEVICE COVER | RACO 258 259 OR 265 | 84" AFF - FLUSH (UNO) | - | A | | | |
| D8 | WALL | DISPLAY BOX W/ AV TELECOM AND POWER | 10 7/8" | 11 1/4" | 3 7/8" | DISPLAY BOX | WIREMOLD EFSB4 | FLUSH (UNO) - REFER TO ROOM DISPLAY SCHEDULE AND ELEVATIONS | 1,2 / T-601 | В | | | |
| R3 | WALL | EQUIPMENT RACK PULL BOX | 6" | 8" | 4" | PULL BOX (PUNCHED AS REQUIRED) W/ PAINTED SCREW COVER | HOFFMAN A-SE8X6X4NK | PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS | - | - | | | |
| S1 | WALL | PROJECTION SCREEN CONTROL SWITCH (SINGLE) | 4 11/16" | 4 11/16" | 2 1/8" | PULL BOX W/ RAISED ONE-DEVICE COVER | RACO 258 259 OR 265 | PER PROJECT STANDARD SWITCH HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS | - | A | | | |
| TP2 | WALL | CONTROL PANEL | 4 11/16" | 4 11/16" | 2 1/8" | PULL BOX W/ RAISED TWO-DEVICE COVER | RACO 258 259 OR 265 | PER PROJECT STANDARD SWITCH HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS | - | A | | | |
| W2 | WALL | AV IO PANEL | 4 11/16" | 4 11/16" | 3 1/4" | PULL BOX W/ RAISED TWO-DEVICE COVER - DEEP | RACO 260 | PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS | - | A | | | |
| W3 | WALL | AV IO PANEL | 4 11/16" | 9 1/8" | 3 1/4" | PULL BOX W/ RAISED THREE-DEVICE COVER - DEEP | RACO 263 | PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS | - | A | | | |
| W20 | WALL | NURSE CALL | 4 11/16" | 4 11/16" | 2 1/2" | PULL BOX W/ RAISED TWO-DEVICE COVER - DEEP | RACO 260 W/2 DEVICE COVER OR COORDINATE WITH HEADWALL | PER PROJECT STANDARD - COORDINATE WITH HEADWALL | - | А | | | |
| W21 | WALL | NURSE CALL LIGHT | 4 11/16" | 4 11/16" | 2 1/8" | PULL BOX W/ RAISED ONE-DEVICE COVER | RACO 258 259 OR 265 | 96" AFF - FLUSH (UNO) | - | A | | | |
| D26 | CEILING | DISPLAY BOX W/ AV TELECOM AND POWER | 14" | 14" | 4 3/4" | PLENUM ENCLOSURE ASSEMBLY | NIGEL B. NB-PEBPM | REFER TO DETAIL FOR MOUNTING INFORMATION | 3,4/T-601 | С | | | |
| J1 | CEILING | CONDUIT CONSOLIDATION PULL BOX | 4 11/16" | 4 11/16" | 2 1/8" | PULL BOX W/ FLAT COVER | RACO 258 259 OR 265 | 18" ABOVE ACCESSIBLE CEILING | - | - | | | |

| TY | PE | FUNCTION | | ENCLOSURE DIMENSIONS | | ENCLOSURE DESCRIPTION | ENCLOSURE MAKE & MODEL | MOUNTING STYLE | REFERENCE | LEGEND NOTES |
|-------|---------|--|----------|----------------------|--------|-------------------------------------|--|--|--------------|--------------|
| SYM | STYLE | TONOTION | LENGTH | WIDTH | DEPTH | LINOLOGOTAL DEGOTAL TION | LIVOLOGOINE MARL & MODEL | DETAIL | LEGEND NOTES | |
| N2 | WALL | TELECOM OUTLET - DISPLAY | - | - | - | WALL BOX INDICATED BY BOX NUMBER | COORDINATE W/ ASSOCIATED DISPLAY BOX | INSTALL IN DISPLAY BOX PER MFR DIRECTIONS | 1,2/T-601 | B,D |
| N4 | WALL | TELECOM OUTLET - STANDARD | 4 11/16" | 4 11/16" | 2 1/8" | PULL BOX W/ RAISED ONE-DEVICE COVER | RACO 258 259 OR 265 | PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS | 2/T-701 | A,D,E |
| N5 | WALL | TELECOM OUTLET - WALL PHONE | 4 11/16" | 4 11/16" | 2 1/8" | PULL BOX W/ RAISED ONE-DEVICE COVER | RACO 258 259 OR 265 | PER PROJECT STANDARD SWITCH HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS | - | D |
| N6 | WALL | TELECOM OUTLET - ABOVE COUNTER | 4 11/16" | 4 11/16" | 2 1/8" | PULL BOX W/ RAISED ONE-DEVICE COVER | RACO 258 259 OR 265 | PER PROJECT STANDARD COUNTER OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS | - | A,D,E |
| N9 | WALL | TELECOM OUTLET - ON CABLE RUNWAY | 4 11/16" | 4 11/16" | 2 1/8" | PULL BOX W/ RAISED ONE-DEVICE COVER | RACO 258 259 OR 265 | 120" AFF - FLUSH | - | D |
| N13 | WALL | TELECOM OUTLET - SECURITY ALERTUS BEACON | 4 11/16" | 4 11/16" | 2 1/8" | PULL BOX W/ RAISED ONE-DEVICE COVER | RACO 258 259 OR 265 | 54" AFF - FLUSH, CONFIRM HEIGHT WITH OWNER | 4/Y-501 | A,D |
| N20 | CEILING | TELECOM OUTLET - CEILING PROJECTOR | - | - | - | CEILING BOX INDICATED BY BOX NUMBER | COORDINATE W/ ASSOCIATED CEILING DISPLAY BOX | INSTALL IN CEILING DISPLAY BOX PER MFR DIRECTIONS | 3,4/T-601 | C,D |
| N22 | CEILING | TELECOM OUTLET - AV DEVICE | 4 11/16" | 4 11/16" | 2 1/8" | PULL BOX W/ BLANK COVER | RACO 258 259 OR 265 | 18" ABOVE ACCESSIBLE CEILING | - | D |
| N23-1 | CEILING | TELECOM OUTLET - WAP | 4 11/16" | 4 11/16" | 2 1/8" | PULL BOX W/ BLANK COVER | RACO 258 259 OR 265 | 18" ABOVE ACCESSIBLE CEILING | - | A,D |
| N24-1 | CEILING | TELECOM OUTLET - SECURITY CAMERA | 4 11/16" | 4 11/16" | 2 1/8" | PULL BOX W/ BLANK COVER | RACO 258 259 OR 265 | 18" ABOVE ACCESSIBLE CEILING | - | A,D |

TECHNOLOGY POWER LEGEND

| TY SYM | PE STYLE | FUNCTION | VOLTS | AMPS | NEMA | DESCRIPTION | ADDITIONAL REQUIREMENTS | MOUNTING STYLE | REFERENCE DETAIL | LEGEND NOTES |
|-----------|-------------|---|-------|------|-------|--|--|--|---------------------|--------------|
| P2 | WALL | POWER RECEPTACLE - DISPLAY | 120 | 20 | 5-20R | DUPLEX RECEPTACLE INSIDE DISPLAY BOX | TECHNICAL GROUND | INSTALL IN DISPLAY BOX PER MFR DIRECTIONS | 1,2/T-601 | B,F |
| P4 | WALL | POWER RECEPTACLE - TECHNOLOGY | 120 | 20 | 5-20R | DUPLEX RECEPTACLE | TECHNICAL GROUND | PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS | - | F |
| P5 | WALL | POWER RECEPTACLE - TECHNOLOGY | 120 | 20 | 5-20R | DOUBLE DUPLEX RECEPTACLE | TECHNICAL GROUND | PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS | - | F |
| P6 | WALL | POWER RECEPTACLE - TECHNOLOGY RACK | 120 | 20 | 5-20R | DUPLEX RECEPTACLE | DEDICATED CIRCUIT, TECHNICAL GROUND | PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS | - | F |
| P7 | WALL | POWER RECEPTACLE - TECHNOLOGY RACK | 120 | 20 | 5-20R | DOUBLE DUPLEX RECEPTACLE (DUAL CIRCUIT) | TWO DEDICATED CIRCUITS, TECHNICAL GROUND | PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS | - | F |
| P16 | WALL | POWER RECEPTACLE - ACCESS CONTROL PANEL | 120 | 20 | - | HARDWIRED POWER CIRCUIT DIRECT TO ACCESS CONTROL PANEL | DEDICATED CIRCUIT | REFER TO PLANS & ELEVATIONS | - | F |
| P20 | CEILING | POWER RECEPTACLE - CEILING DISPLAY | 120 | 20 | 5-20R | DUPLEX RECEPTACLE INSIDE CEILING DISPLAY BOX | TECHNICAL GROUND | INSTALL IN CEILING DISPLAY BOX PER MFR DIRECTIONS | 3,4/T-601 | C,F |
| P22 | CEILING | POWER CIRCUIT - MOTORIZED PROJECTION SCREEN | 120 | 20 | - | WORKBOX W/ POWER CIRCUIT | - | TERMINATE AT PROJECTION SCREEN PER MFR INSTRUCTIONS | - | F |
| P26 | CEILING | POWER RECEPTACLE -BOOM MONITOR PWR | 120 | 20 | 5-20R | DUPLEX RECEPTACLE | TECHNICAL GROUND | 18" ABOVE ACCESSIBLE CEILING | - | F |

TELECOM CABLING LEGEND

WAP, PROVIDE 20' SERVICE LOOP

1/T-701 1/T-701 1/T-701 1/T-701 1/T-701 NOTES

TYPE CAT6 CAT6A COAX

TECHNOLOGY LEGEND NOTES

[A] RACO JUNCTION BOXES W/ RAISED DEVICE COVERS:
PROVIDE A SQUARE PULL BOX WITH APPROPRIATE KNOCKOUTS TO MATCH CONDUIT REQUIREMENTS. WHERE INDICATED PROVIDE A RAISED SINGLE OR MULTI-DEVICE COVER AS SPECIFIED OF APPROPRIATE DEPTH TO MATCH WALL THICKNESS.

[B] D8(N2,P2) FLAT PANEL DISPLAY BOX CONFIGURATION:
WIREMOLD EVOLUTION SERIES EFSB4 FLAT PANEL DISPLAY WALL BOX. VERIFY COVER COLOR WITH ARCHITECT PRIOR TO ORDERING. INCLUDED
COMPONENTS: TUNNEL, DEVICE MODULES, TRIM FLANGE, AND DECORATIVE COVER. PROVIDE AS REQUIRED: POWER RECEPTACLES, COMMUNICATION JACKS,
DEVICE PLATES, BLANK DEVICE PLATES, KNOCKOUT PLATES, AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS.

[C] D26(N20,P20) CEILING MOUNTED PROJECTOR ENCLOSURE CONFIGURATION:
NIGEL-B DESIGN NB-PEBPM PLENUM CEILING ENCLOSURE WITH POLE MOUNT. INCLUDED COMPONENTS: ONE INSTALLED AC OUTLET. PROVIDE AS REQUIRED:

HANGING KIT, CEILING TILE SUPPORTS, AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS.

[D] TELECOM OUTLETS AND ASSOCIATED CONDUITS:

CONDUIT MUST BE PROVIDED FOR ALL TELECOM JUNCTION BOXES. SEE THE "TELECOM TYPICAL CONDUIT RISER" FOR CONDUIT REQUIREMENTS BY TELECOM

CONDUIT MUST BE PROVIDED FOR ALL TELECOM JUNCTION BOXES. SEE THE "TELECOM TYPICAL CONDUIT RISER" FOR CONDUIT REQUIREMENTS BY TELECOM JUNCTION BOX TYPE. REFER TO THE TELECOM PLANS FOR THE LOCATIONS OF JUNCTION BOXES AND FLOOR BOXES, AND THE "TELECOM CABLING LEGEND" FOR OUTLET CONFIGURATION REQUIREMENTS. TELECOM CABLING, OUTLETS AND COVER PLATES PROVIDED BY THE STRUCTURED CABLING SYSTEMS CONTRACTOR.

[E] POWER RECEPTACLES ADJACENT STANDARD TELECOM WALL OUTLETS:

N4 STANDARD TELECOM WALL OUTLETS SHOULD HAVE A DUPLEX POWER RECEPTACLE LOCATED WITHIN 36" OF THE TELECOM WALL OUTLET. IDEALLY, THE TELECOM OUTLET BOX WILL BE MOUNTED TO ONE SIDE OF A STUD, AND THE POWER BOX TO THE OPPOSITE SIDE OF THE STUD.

MAY BE CRITICAL. REFER TO THE ELECTRICAL DRAWINGS FOR COMPLETE POWER LAYOUTS AND CIRCUITING DETAILS.

[F] POWER RECEPTACLES
TECHNICAL POWER RECEPTACLES, INCLUDING THOSE WITHIN FLOOR BOXES, WALL BOXES, OR CEILING BOXES, ARE PROVIDED BY ELECTRICAL CONTRACTOR AND APPEAR ON THE ELECTRICAL DRAWINGS. THE TECHNICAL POWER RECEPTACLES ALSO APPEAR ON THE TECHNOLOGY INFRASTRUCTURE DRAWINGS FOR COORDINATION AND LOCATION PURPOSES. THE LOCATION OF TECHNICAL POWER RECEPTACLES IN RELATION TO OTHER TECHNOLOGY INFRASTRUCTURE

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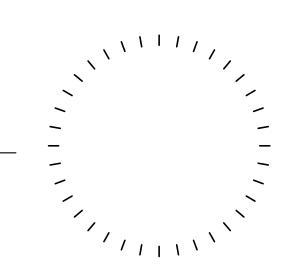
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NURSING RENOVATION

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ARCHITECTURE

LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN



No. Date Revision

Project Name

NURSING RENOVATION

Project Number

221170.00

Date (YYYY/MM/DD)

Drawing
TECHNOLOGY
INFRASTRUCTURE LEGENDS
AND LEGEND NOTES

T-002

10-01-2021

Drawn By

CONTRACT DOCUMENTS

PROJECTION SCREEN TYPE LEGEND

ALL DIMENSIONS IN INCHES / WEIGHT IN POUNDS

CASE SIZE **IMAGE SIZE IMAGE SURFACE** CASE FABRIC & ROLLER REFERENCE TYPE HEIGHT WIDTH HEIGHT WIDTH DEPTH (IH) (IW) (CH) (CW) (CD) INSTALLATION OPERATION MAKE & MODEL CONTROL PROVIDED BY DETAIL MATERIAL PROVIDED BY 92" 5 11/16" 119" 7 3/4" 80 CEILING MOUNTED - FLUSH MATT WHITE XT1000V LVC W/ LVC WALL SWITCH GENERAL CONTRACTOR GENERAL CONTRACTOR 6/T-601 MOTORIZED DRAPER ACCESS FIT/SERIES V

| | DIS | SPLA | Y TY | PE L | EGEN | D | | | | |
|---|------------------------------|------------------------|--------------------------|----------------------|-------------------|-----------------------|-------------------|--|--|--|
| ALL DIMENSIONS IN INCHES / WEIGHT IN POUNDS | | | | | | | | | | |
| TYPE | NOMINAL IMAGE DIAGONAL | NOMII HEIGHT (H) | VAL CASE WIDTH (W) | SIZE DEPTH (D) | NOMINAL WEIGHT | BACH HEIGHT (H) | KING WID (W | | | |
| 1 | 24" | 13 7/8" | 22 5/8" | 1 11/16" | 15.6 | 36" | 16" | | | |
| 5 | 46" | 25" | 42" | 4" | 47 | 24" | 48" | | | |
| 7 | 49" | 25" | 43" | 4" | 52 | 24" | 48" | | | |
| 9 | 55" | 29" | 50" | 4" | 60 | 24" | 48" | | | |
| 11 | 65" | 34" | 59" | 4" | 77 | 24" | 48" | | | |

NOTES:

1. SEE THE ROOM DISPLAY SCHEDULE ON THIS SHEET FOR LOCATIONS.

2. BACKING, JUNCTION BOXES, CONDUIT AND ELECTRICAL BY GENERAL CONTRACTOR. 3. DISPLAY, DISPLAY MOUNT AND CABLING PROVIDED BY AV CONTRACTOR.

4. DISPLAY IMAGE DIAGONAL, CASE SIZE AND WEIGHT ARE PROVIDED TO ESTABLISH THE APPROPRIATE BACKING REQUIREMENTS. THESE SIZES ARE SUBJECT TO CHANGE.

NOTES: 1. SEE THE ROOM PROJECTION SCREEN SCHEDULE ON THIS SHEET FOR LOCATIONS.

2. PROJECTION SCREEN CASE, PROJECTION SCREEN CONTROL SWITCHES, MOUNTING HARDWARE, CONDUITS, AND ELECTRICAL PROVIDED BY GENERAL CONTRACTOR. 3. REFER TO LEGEND ABOVE TO DETERMINE WHO SHALL PROVIDE THE PROJECTION SCREEN ROLLER AND FABRIC.

4. REFER TO THE DETAILS LISTED IN THE LEGEND FOR EACH PROJECTION SCREEN TYPE.

ROOM PROJECTION SCREEN SCHEDULE

| | ALL DIMENSIONS IN INCHES | | | | | | | | | | | | |
|--------|--------------------------|--------|----------------|-----------|-----------------------|----------|----------|----------|----------|--|--|--|--|
| ROOM | | SCREEN | PROJECTOR | | SCREEN PROJECTOR MOUN | | | | | | | | |
| NUMBER | QTY | TYPE | MOUNTING STYLE | BOTTOM OF | BLACK DROP | DISTANCE | DISTANCE | DISTANCE | DISTANCE | | | | |
| NOWBER | | 111 - | WOONTING OTTEL | IMAGE AFF | (EST) | [D2] | [D2x] | [D1] | [D1x] | | | | |
| 044 | 1 | A | 1 | 44" | 6" | 6" | 0" | 136" | 18" | | | | |
| 049 | 1 | A | 1 | 44" | 2" | 6" | 2" | 136" | 24" | | | | |

VIDEO PROJECTOR MOUNTING STYLE DETAILS

REFER TO THE PROJECTOR & DISPLAY MOUNTING STYLE LEGEND FOR MORE INFORMATION.

PROJECTION SCREEN / VIDEO PROJECTOR RELATIONSHIP IS CRITICAL (SEE GRAPHIC AND NOTES BELOW)

ROOM DISPLAY SCHEDULE ALL DIMENSIONS IN INCHES

PROJECTOR & DISPLAY

MOUNTING STYLE LEGEND

INSTALLATION

CEILING MOUNTED PROJECTOR WALL MOUNTED DISPLAY

REFERENCE

DETAIL 3,4,6/T601

1,2/T-601

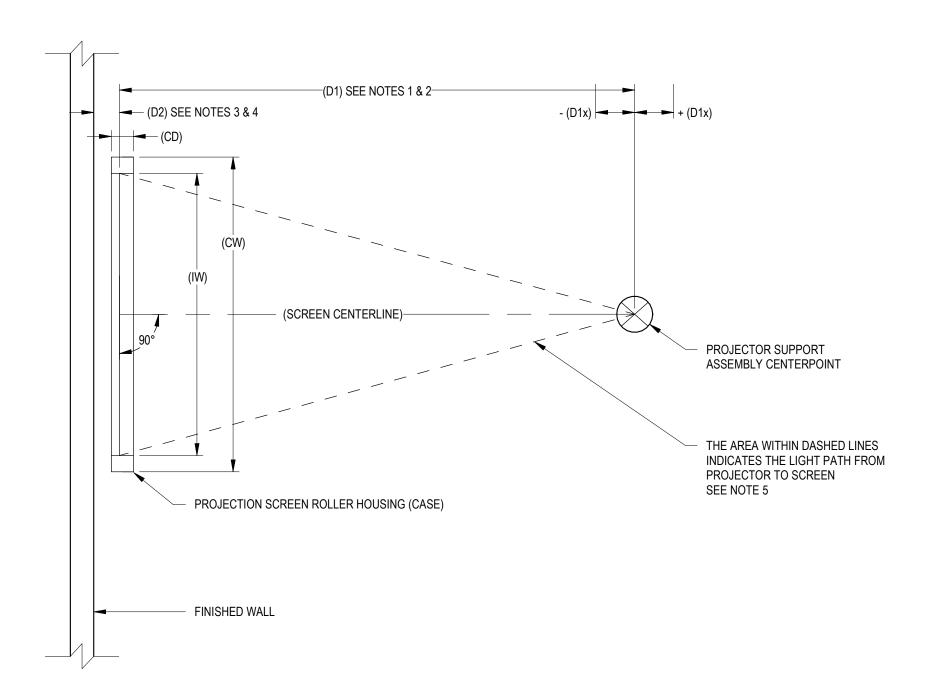
MOUNTING

| ALL DIMENSIONS IN INCHES | | | | | | | |
|--------------------------|----------------|-----------------|-------------------|--------------|--|--|--|
| ROOM NUMBER | DISPLAY QTY | DISPLAY TYPE | MOUNTING STYLE | ELEV A OC | | | |
| 041 | 1 | 5 | а | 72" | | | |
| 042A | 1 | 1 | а | 55" | | | |
| 042A | 1 | 5 | а | 55" | | | |
| 042B | 1 | 1 | а | 55" | | | |
| 042B | 1 | 5 | а | 55" | | | |
| 042C | 2 | 1 | а | 54" | | | |
| 042C | 1 | 7 | а | 72" | | | |
| 042D | 1 | 1 | а | 54" | | | |
| 042D | 1 | 9 | а | 72" | | | |
| 043 | 1 | 5 | а | 55" | | | |
| 045 | 1 | 11 | а | 66" | | | |
| 046 | 1 | 11 | а | 66" | | | |
| | | | | | | | |

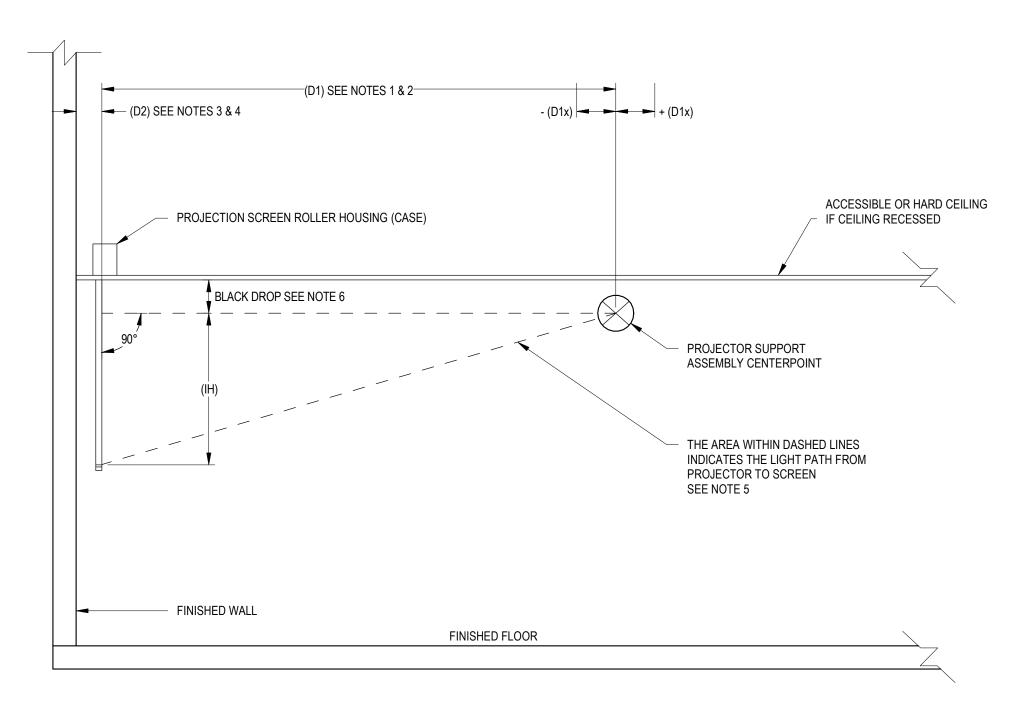
FLAT PANEL DISPLAY MOUNTING STYLE DETAILS

REFER TO THE PROJECTOR & DISPLAY MOUNTING STYLE LEGEND FOR MORE INFORMATION.

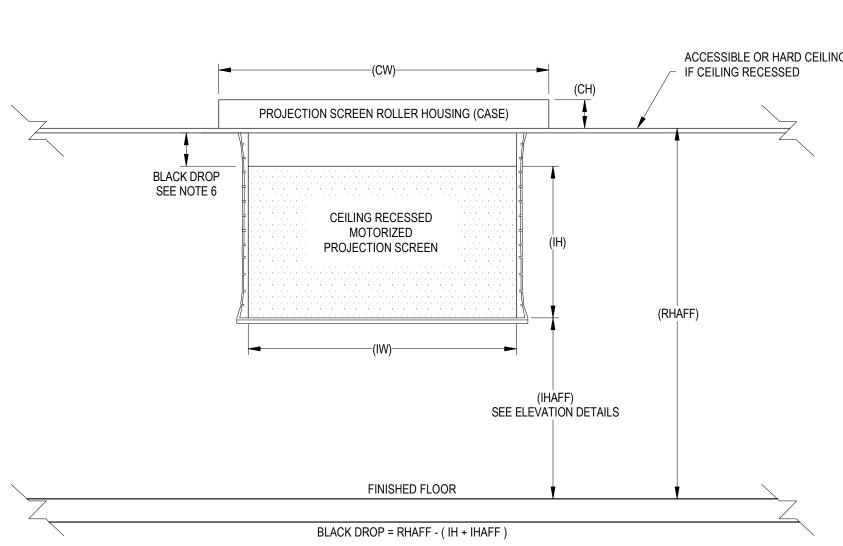
CEILING MOUNTED VIDEO PROJECTION SCREEN & PROJECTOR LAYOUT (TYP) - PLAN VIEW



CEILING MOUNTED VIDEO PROJECTION SCREEN & PROJECTION LAYOUT (TYP) - SECTION



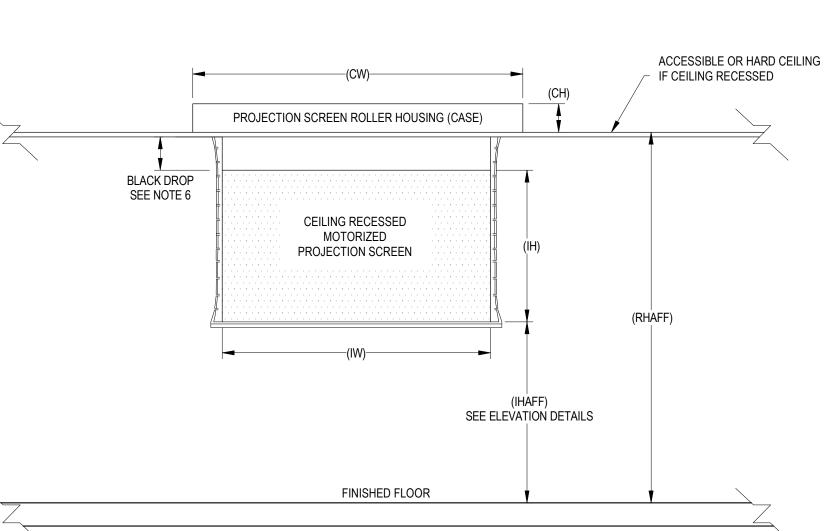
CEILING MOUNTED VIDEO PROJECTION SCREEN (TYP) (AUDIENCE VIEW)



PROJECTION SCREEN / VIDEO PROJECTOR RELATIONSHIP NOTES:

- 1. [D1]: !!! CRITICAL DISTANCE !!! D1 IS THE DISTANCE FROM THE PROJECTION SCREEN SURFACE TO THE CENTER OF THE PROJECTOR CEILING MOUNT ASSEMBLY. IF DISTANCE D2 MUST BE INCREASED FOR ANY REASON, DISTANCE D1 MUST BE MAINTAINED.
- 2. [D1x]: IS THE ALLOWABLE +/- VARIANCE IN DISTANCE OF D1 TO ACCOMMODATE STRUCTURAL OR OTHER OBSTRUCTIONS. EXAMPLE: IF D1 = 300" AND D1x = 10" THEN THE CENTER OF THE PROJECTOR CEILING MOUNT MAY BE LOCATED BETWEEN 290" TO 310" ON SCREEN CENTERLINE FROM THE PROJECTION SCREEN SURFACE.
- 3. [D2]: IS THE MINIMUM DISTANCE FROM THE PROJECTION WALL TO THE PROJECTION SCREEN SURFACE. IF DISTANCE D2 MUST BE INCREASED TO ACCOMMODATE STRUCTURAL OR OTHER OBSTRUCTIONS TO A DISTANCE GREATER THAN D2 + D2x CONTACT THE CONSULTANT FOR FURTHER INSTRUCTIONS.
- 4. [D2x]: IS THE ALLOWABLE +/- VARIANCE IN DISTANCE OF D2 TO ACCOMMODATE STRUCTURAL OR OTHER OBSTRUCTIONS. EXAMPLE: IF D2 = 6" AND D2x = 2" THEN THE PROJECTION SCREEN SURFACE MAY BE LOCATED BETWEEN 4" TO 8" ON SCREEN CENTERLINE FROM THE PROJECTION WALL.
- 5. THE PROJECTOR MUST ALWAYS HAVE A CLEAR VIEW OF THE ENTIRE SCREEN IMAGE AREA WITHOUT OBSTRUCTIONS.
- 6. [BLACK DROP]: THE AMOUNT OF BLACK DROP LISTED IN THE ROOM PROJECTION SCREEN SCHEDULE IS A DESIGN ESTIMATE. BLACK DROP REQUIREMENTS SHALL BE FIELD VERIFIED PER SCREEN INSTANCE PRIOR TO ISSUING SUBMITTALS. THE AMOUNT OF BLACK DROP (BD) REQUIRED IS DETERMINED BY ADDING THE ELEVATION OF THE BOTTOM OF THE IMAGE HEIGHT ABOVE FINISHED FLOOR (IHAFF) TO THE IMAGE HEIGHT (IH) AND SUBTRACTING THAT NUMBER FROM THE ELEVATION TO THE UNDERSIDE OF THE PROJECTION SCREEN ROLLER HOUSING (CASE) ABOVE FINISHED FLOOR (RHAFF). THE REMAINDER WILL BE THE AMOUNT OF REQUIRED BLACK DROP (SEE GRAPHIC ABOVE). THE AMOUNT OF EXCESS BLACK DROP MATERIAL REMAINING ON THE PROJECTION SCREEN ROLLER, WHEN THE SCREEN IS DEPLOYED TO ITS SPECIFIED BOTTOM OF IMAGE HEIGHT ABOVE FINISHED FLOOR ELEVATION, SHOULD NEVER EXCEED MORE THAN ONE WRAP. IN INSTANCES WHERE CEILING HEIGHT VARIES IN THE FIELD FROM THE DRAWINGS, THE SPECIFIED IMAGE
- HEIGHT ABOVE FINISHED FLOOR RULES. 7. LOCATE THE PROJECTION SCREEN POWER JUNCTION BOX ON THE SAME SIDE OF THE SCREEN AS SCREEN ELECTRICAL CONNECTIONS WHICH MAY VARY BY SCREEN TYPE. VERIFY LOCATION PRIOR TO INSTALLATION.

1 TYPICAL PROJECTION SCREEN



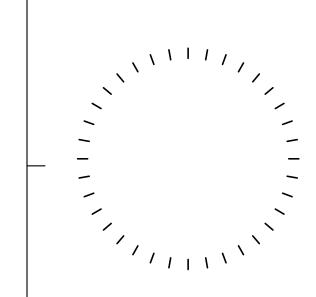
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NURSING RENOVATION

NV5 TECHNOLOGY INFRASTRUCTURE LEGENDS

AND SCHEDULES

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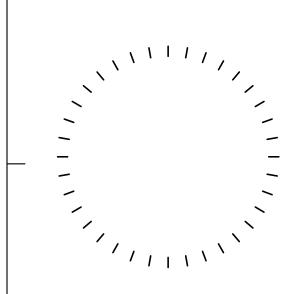
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INTERIOR DESIGN



Project Name
NURSING RENOVATION Project Number 221170.00 Date (YYYY/MM/DD) Drawn By OVERALL TECHNOLOGY INFRASTRUCTURE PLAN

T-101

CONTRACT DOCUMENTS

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Denver, CO 80211

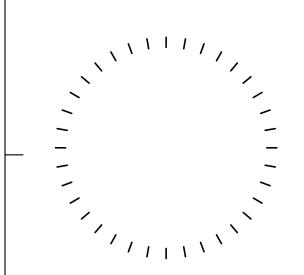
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ph. 303-220-6400 URL: www.nv5.com

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No. Date Revision

Project Name

NURSING RENOVATION

Project Number

221170.00

Date (YYYY/MM/DD)
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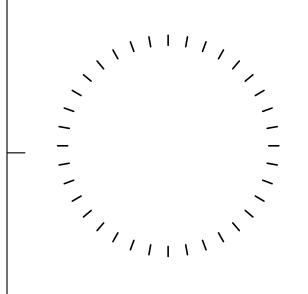
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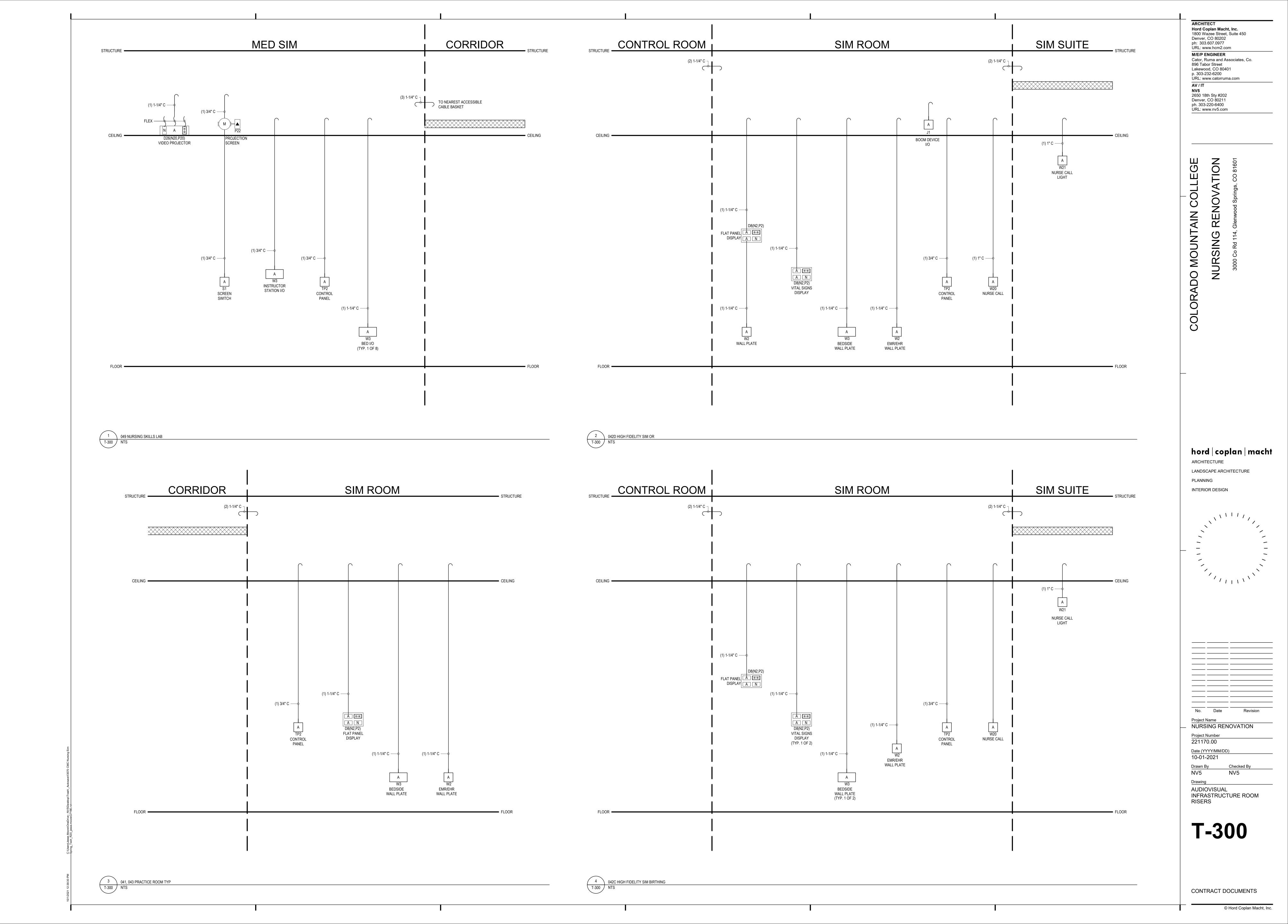
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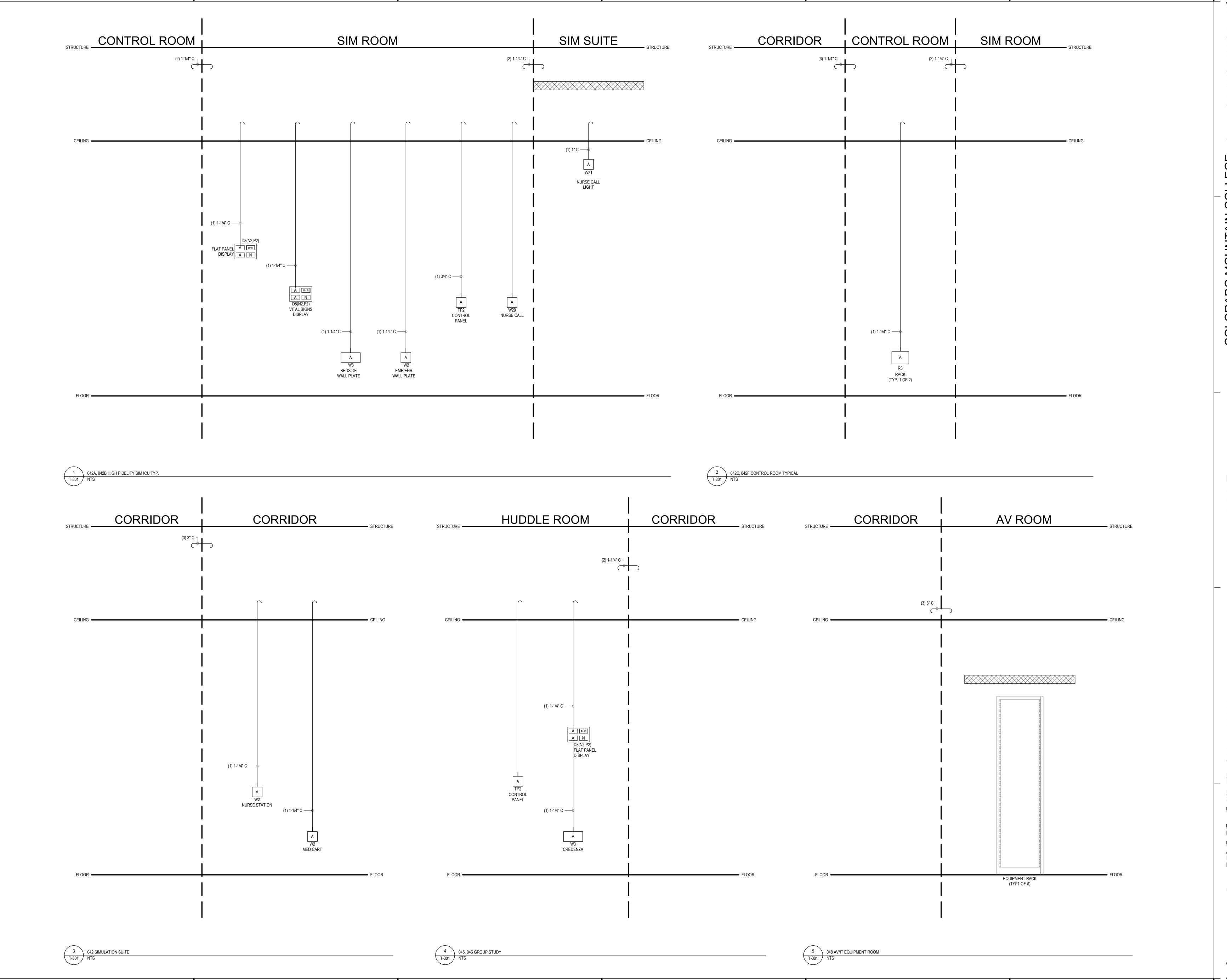
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OVERALL TELECOM PLAN

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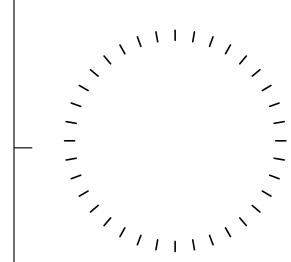
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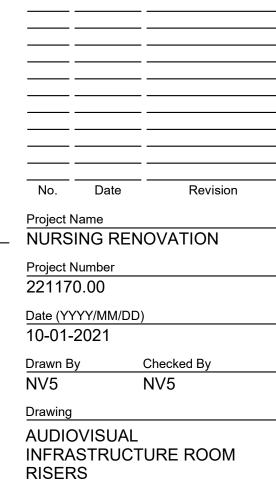
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3000 Co Rd 114, Glenwood Springs, CO 81601

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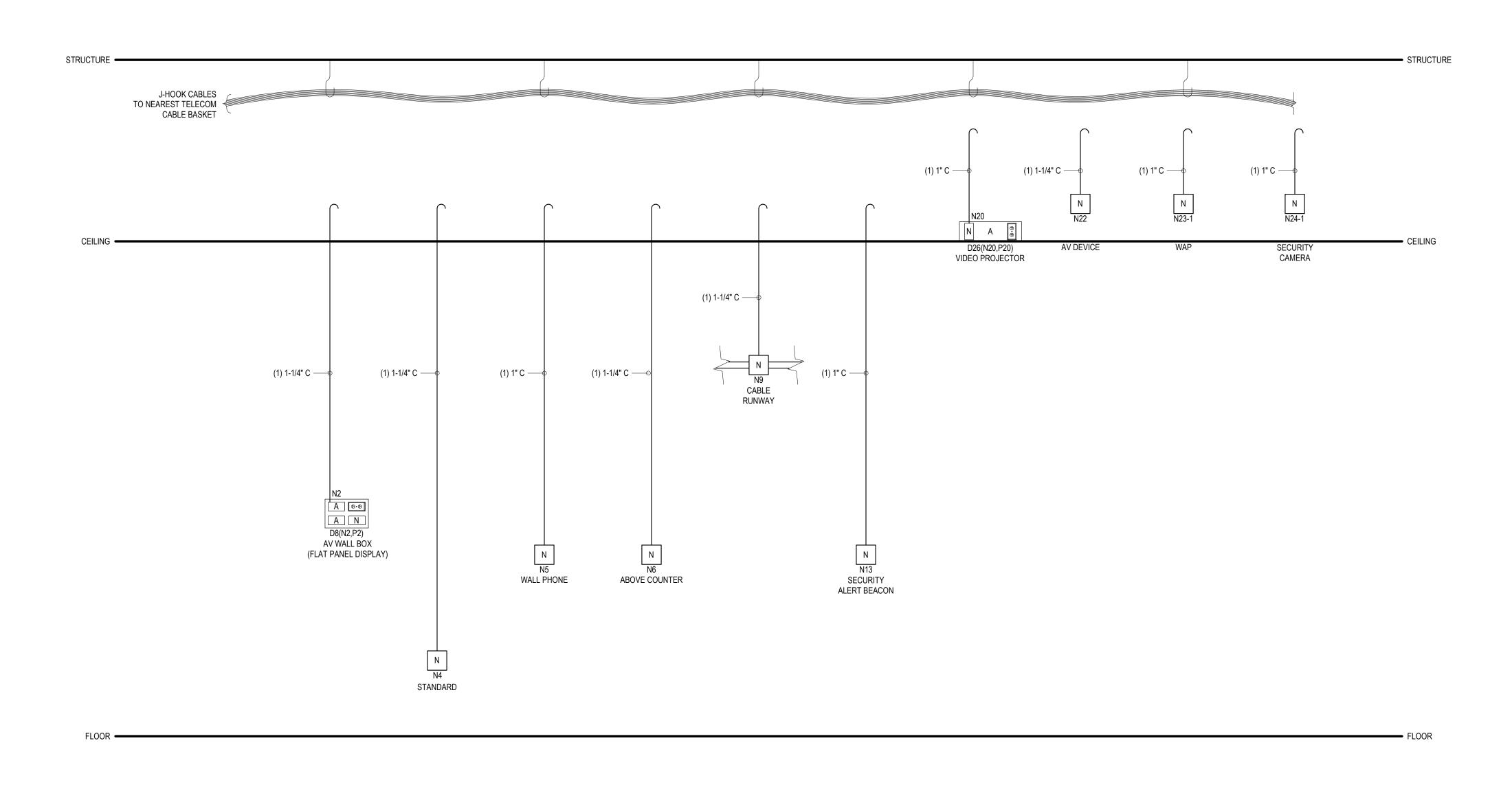
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1 TELECOM TYPICAL CONDUIT RISER

T-402 3/4" = 1'-0"

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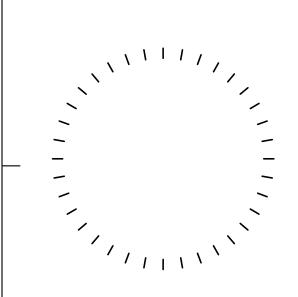
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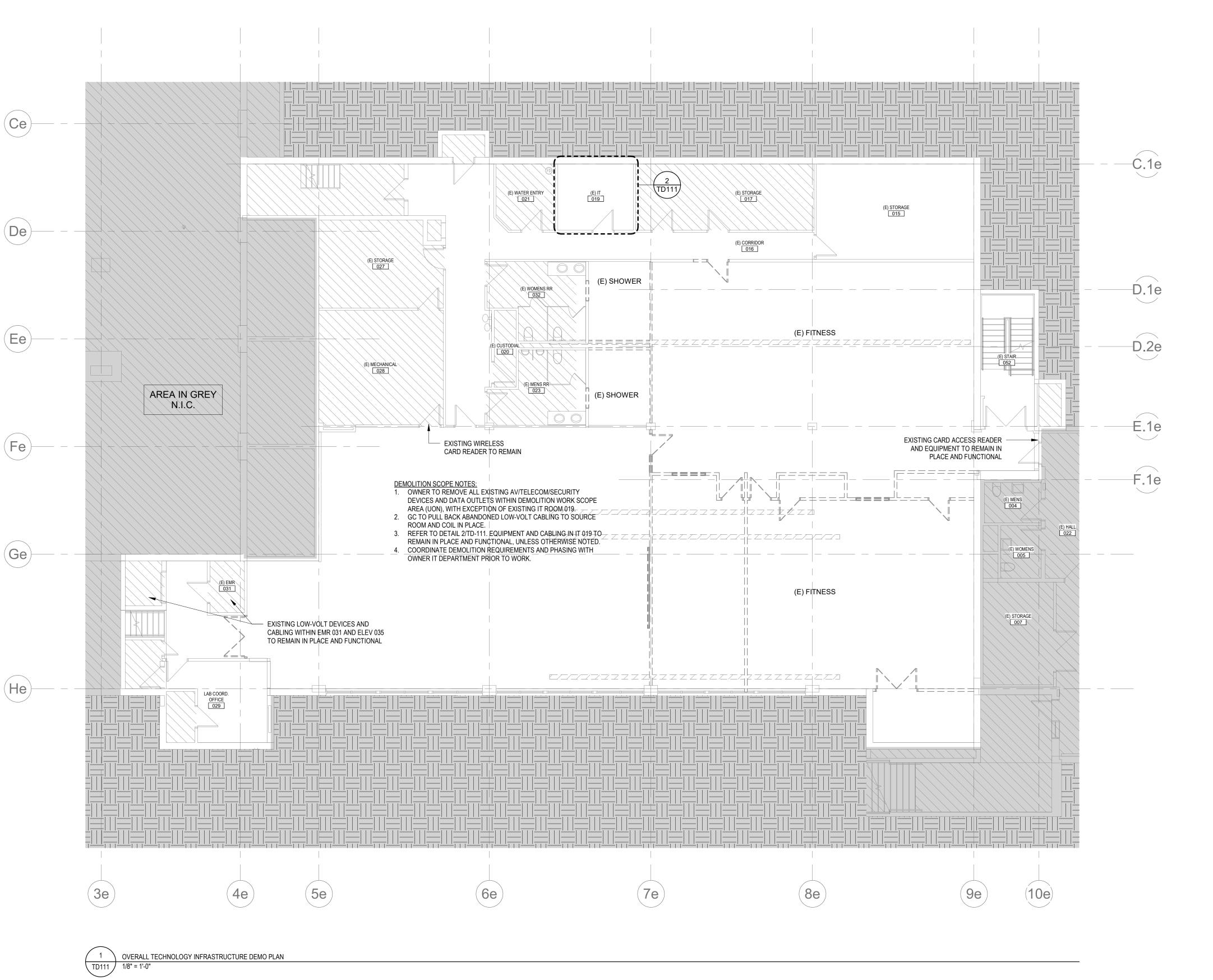
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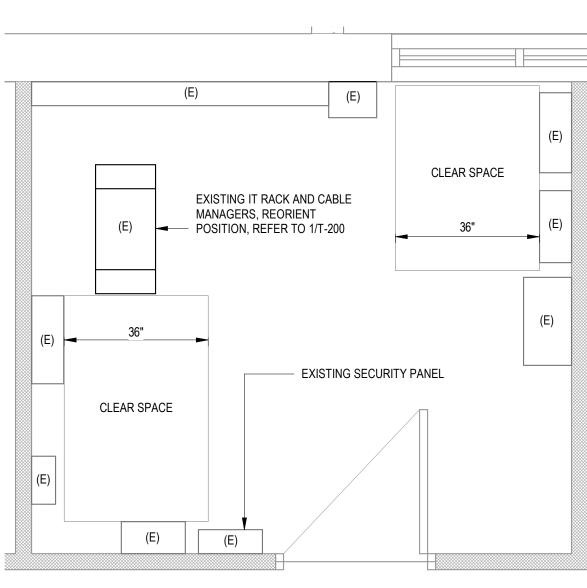
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Drawing
TYPICAL TELECOM RISER

T-402

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DEMOLITION SCOPE NOTES:
1. ALL LOW-VOLT RENOVATION WORK WITHIN IT ROOM 019
 TO BE PERFORMED BY OWNER'S PREFERRED VENDOR(S).
2. ALL EQUIPMENT AND CABLING IN IT 019 TO REMAIN IN
 PLACE AND FUNCTIONAL, UNLESS OTHERWISE NOTED.
3. COORDINATE REQUIREMENTS AND PHASING WITH OWNER
 IT DEPARTMENT PRIOR TO WORK.

TELECOM ENLARGED DEMO PLAN - IT ROOM 019
1/2" = 1'-0"

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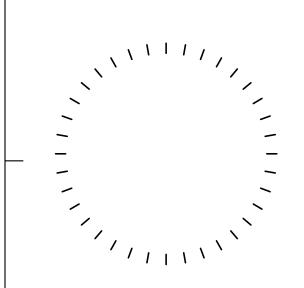
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10-01-2021

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OVERALL TECHNOLOGY

INFRASTRUCTURE DEMO PLANS

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| SECURITY GENERAL NOTES | SECURITY SYMBOLS LEGEND | | | | | |
|--|---|--------------------------------|----------------------------------|-------------------------------------|-----------------|---|
| CENEDAL NOTES. | (THIS IS A MASTER LEGEND, NOT ALL SYMBOLS MAY APPEAR ON DRAWINGS.) | | | | | |
| GENERAL NOTES: 1. THESE DRAWINGS MUST BE USED IN CONJUNCTION WITH THE ELECTRICAL SPECIFICATIONS. 18. COORDINATE THE EXACT LOCATION OF ALL PULL BOXES WITH ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS. | SEC | CURITY DEVICES | S | ECURITY DEVICES | SECURI | TY CAMERA DESIGNATORS |
| 2. FURNISH AND INSTALL FIRE STOP TO ALL SLAB AND WALL PENETRATIONS PROVIDED FOR THE INSTALLATION OF SECURITY CABLE 19. ALL JUNCTION AND PULL BOXES SHALL BE PROVIDED WITH ACCOMPANYING BLANK COVER PLATE. | SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION | | |
| AS REQUIRED TO MAINTAIN FIRE RATING OF SLAB OR WALL. 20. JUNCTION BOXES LOCATED ABOVE DOORS WITH NO ACCESSIBLE CEILING SHALL BE SECURED WITH TAMPER PROOF SCREWS. 21. PROVIDE WATERTIGHT SEALING ASSEMBLIES WITH PRESSURE BUSHING AS REQUIRED FOR EXTERIOR PENETRATIONS. | | <u> </u> | - | 223111111111 | | CAMERA NUMBER - REFER |
| 4. INSTALL ALL COMPONENTS AS PER MANUFACTURERS RECOMMENDATIONS AND PER ALL APPLICABLE CODES. 22. JUNCTION AND PULL BOXES IN EXTERIOR LOCATIONS SHALL BE WATERPROOF. | xx | WALL MOUNTED DEVICE | (XX) | CEILING MOUNTED DEVICE | | C-####-# TO THE SECURITY CAMERA SCHEDULE FOR MORE |
| 5. INDICATE ALL MOUNTING REQUIREMENTS IN THE LEGEND UNLESS OTHERWISE NOTED. 23. JUNCTION AND PULL BOXES IN ROOM AREAS UTILIZING FM200 (SEE FIRE PROTECTION DRAWINGS) SHALL BE VAPOR TIGHT. 24. ALL CONDUIT ROUTING SHOWN IS SCHEMATIC AND DOES NOT REPRESENT INSTALLED PATHS OR DISTANCES. ACTUAL ROUTING | | | | | CAMERA TYPE — | INFORMATION. |
| 7. THE MOUNTING HEIGHTS ARE TO THE CENTERLINE OF THE DEVICE UNLESS OTHERWISE NOTED. AND BOX LOCATIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH OTHER WORK OF THE CONTRACT. | | SECURITY | DEVICE DESIGNATO | DRS | | |
| 8. RESTORE CEILINGS AND WALLS AND ANY OTHER SURFACES AFFECTED BY THIS WORK WITH LIKE MATERIALS TO MATCH EXISTING | | | DEVICE NI IMPED | DEEED TO THE SECUDITY | | SECURITY DOORS |
| CONSTRUCTION UPON COMPLETION OF THE WORK. CABLE: 1. SECURITY SYSTEM CABLING SHALL BE FURNISHED AND INSTALLED BY OWNER VENDOR. | DEVICE NUMBER - REFER TO THE SECURITY D-####-# DEVICE SCHEDULE FOR MORE INFORMATION. | | | | SYMBOL | DESCRIPTION |
| ELECTRICAL DRAWINGS: 2. ALL SECURITY CABLING SHALL BE RAN SPLICE-FREE FROM DEVICE LOCATION TO BACK TO THE IDF/MDF. | DEVICE TYPE XX | | | | | |
| 1. COORDINATE WALL BOX LOCATIONS AND DIMENSIONS WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS. 3. ALL CABLES SHALL BE PLENUM RATED WHERE REQUIRED. | ADD | DITIONAL INFORMATION — | X | | XX | ACCESS CONTROL TYPE |
| 2. COORDINATE WITH ELECTRICAL DRAWINGS FOR LOCATION OF ALL SECURITY EQUIPMENT. 4. WIRE SHEATH SHALL BE MAINTAINED TO FINAL TERMINATION. ALL TERMINATIONS SHALL MAINTAIN TWIST OF INDIVIDUAL PAIRS TO WITHIN 0.5" OR LESS OF FINAL TERMINATION. | | | | | | |
| CONDUIT: | | | DEVICE TYPES | | | ASSOCIATED DEVICE LOCATION |
| 1. COORDINATE CONDUIT AND LADDER RACK FOR SECURITY WIRING TO MAINTAIN A MINIMUM OF 5" SEPARATION FROM LIGHTING FIXTURES. LABELING: 1. SECURITY CABLE IDENTIFICATION LABELS SHALL BE PROVIDED AT EACH END. BY OWNER VENDOR. | AD ALEDTHO DE AC | CON IOM INTERIO | DAMACTED D DANIO | A DEVICE WIDELESS DESERVE | CD | |
| FIXTURES. 1. SECURITY CABLE IDENTIFICATION LABELS SHALL BE PROVIDED AT EACH END, BY OWNER VENDOR. 2. COORDINATE INSTALLATION OF CONDUITS AND CABLE BASKETS WITH OTHER COMPONENTS INSTALLED WITHIN THE CEILING. 2. PROVIDE DESIGNATION LABELS FOR ALL TERMINATION BLOCKS, PATCH PANELS, AND DEVICE LOCATIONS. | AB ALERTUS BEAC | | OM MASTER P PANIC OCK PS POWE | | SECUR | ITY DOOR DESIGNATORS |
| PREPARE ALL SHOP DRAWINGS TO DEMONSTRATE AND ENSURE PROPER INSTALLATION OF ALL COMPONENTS. 3. SUBMIT LABEL REPORT LISTING THE DEVICE NUMBERS AND ROOM NUMBERS. | CB CODE BLUE PHO | HONE K KNOX BO | OX T TICKE | T . | | |
| 3. MAINTAIN MINIMUM BEND RADIUS OF 10 X O.D. FOR SECURITY CONDUITS EQUAL TO OR LESS THAN 2" DIAMETER. 4. LABELS SHALL BE WHITE WITH TYPEWRITTEN LEGIBLE CHARACTERS PRINTED WITH NON-SMEAR TYPE INK. HANDWRITTEN LABELS CAPITAL OF A PEND. 4. LABELS SHALL BE WHITE WITH TYPEWRITTEN LEGIBLE CHARACTERS PRINTED WITH NON-SMEAR TYPE INK. HANDWRITTEN LABELS CAPITAL OF A PEND. 4. LABELS SHALL BE WHITE WITH TYPEWRITTEN LEGIBLE CHARACTERS PRINTED WITH NON-SMEAR TYPE INK. HANDWRITTEN LABELS CAPITAL OF A PEND. 4. LABELS SHALL BE WHITE WITH TYPEWRITTEN LEGIBLE CHARACTERS PRINTED WITH NON-SMEAR TYPE INK. HANDWRITTEN LABELS CAPITAL OF A PEND. 4. LABELS SHALL BE WHITE WITH TYPEWRITTEN LEGIBLE CHARACTERS PRINTED WITH NON-SMEAR TYPE INK. HANDWRITTEN LABELS CHARACTERS PRINTED WITH NON-SMEAR TYPE | GB GLASS BREAK S | SENSOR LA LOCAL A MS MOTION | | | | DOOR NUMBER - REFER |
| 4. PROVIDE PULL BOXES, ELBOWS IN LIEU OF A BEND. LABELS ARE NOT PERMITTED. PROVIDE LABELS FOR CABLES WITH PROTECTIVE WRAP AROUND PLASTIC TRANSPARENT COVER WHICH WILL SERVE TO PROTECT THE INK FROM SMEARING AND SECURE THE LABEL TO THE CABLE. PROVIDE LABELS FOR WHICH WILL SERVE TO PROTECT THE INK FROM SMEARING AND SECURE THE LABEL TO THE CABLE. PROVIDE LABELS FOR | IC INTERCOM | MS MOTION | SENSUR 152 TURNS | STILE | | TO THE SECURITY DOOR |
| 6. PROVIDE AND LEAVE IN PLACE A PULL STRING IN EACH CONDUIT. PULL STRINGS SHALL ALSO BE INSTALLED IN ALL SPARE/EMPTY CABLES WIDE ENOUGH FOR 24 CHARACTERS IN A SINGLE ROW. | | ADDITI | ONAL INFORMATION | | | SCHEDULE FOR MORE INFORMATION. |
| CONDUITS. 5. ALL CABLES SHALL BE LABELED WITHIN 6.5" OF FINAL TERMINATION. 7. STUB UP CONDUIT SLEEVES THROUGH SLABS 6" ABOVE FINISHED FLOORS. | | | | | | #### \ |
| 7. STOB OF CONDUIT SLEEVES THROUGH SLABS 6 ABOVE FINISHED FLOORS. 8. PROVIDE HANGERS, ANCHORS, MOUNTING HARDWARE, GROUND LUGS, AND STRAPS AS REQUIRED TO ENSURE PROPER CAMERAS: | ADA WITH ADA OPENE | ERS FA FIRE ALARM TIE I | N G GATE MOUNT | ED W WIRELESS | | |
| INSTALLATION OF PATHWAY COMPONENTS. 1. SECURITY CAMERAS SHALL BE PROVIDED AND INSTALLED BY OWNER VENDOR. | SECURITY (| CAMERAS SEC | CURITY CAMERAS | SECURITY CAMERAS | _ | |
| 9. WHERE CABLE IS RUN ABOVE NON-ACCESSIBLE (I.E., GYPSUM BOARD) CEILING CONSTRUCTION, CONDUITS, AND PULL BOXES 2. PROVIDE THE MEANS FOR OPTIMUM CAMERA LOCATION, LENS SELECTION AND VIEW. FIXED CAMERAS ARE TO BE PROVIDED WITH A SERIES OF VARI-FOCAL LENSES FOR THE PURPOSE OF ACQUIRING FIELD OF VIDEO AND VIDEO PICTURE FROM EACH INTENDED | | | | | ACCESS — | ASSOCIATED DEVICE |
| 10. PROVIDE J-HOOKS AND CABLE STRAPS TO SUPPORT CABLE ABOVE ACCESSIBLE CEILING CONSTRUCTION EXCEPT IN AREAS CAMERA LOCATION. TO SHOW VARYING FIELD OF VIEWS AND QUALITY OF CAMERA PICTURE. OBTAIN CONCURRENCES OF THE | SYMBOL DE | ESCRIPTION SYMB | OL DESCRIPTION | SYMBOL DESCRIPTION | CONTROLTYPE | LOCATION |
| WHERE CABLE BASKET OR CONDUIT IS INDICATED ON THE DRAWINGS. SELECTED CAMERA PLACEMENT, LENS SELECTION FIELD OF VIEW, AND PROVIDE IMAGES TO THE OWNER FOR ACCEPTED FIELD | (FIX) FIXE | ED CAMERA ∢ (DUO) | ▶ 90° DUO CAMERA | 4 (180) ▶ 180° CAMERA | 4.00 | ITIONIAL INICODIAL TIONI |
| 11. ALL CONDUIT SHALL BE A MINIMUM OF 1" EMT UNLESS OTHERWISE NOTED. OF VIEW. 12. ALL CONDUIT SHALL BE ROUTED ABOVE CEILING, BELOW FLOORS, OR WITHIN WALLS IN THE FINISHED AREAS. NO CONDUIT SHALL 3. UPON COMPLETION OF INSTALLATION, DOCUMENT THAT THE CAMERA LOCATIONS AND LENSES CHOSEN/UTILIZED ARE AS | | LD ON WILLIAM | 50 DOO ONWILITY | 100 0/4/12/47 | ADD' | ITIONAL INFORMATION |
| BE EXPOSED IN THE FINISHED AREAS UNLESS APPROVED BY DESIGNER. SELECTED IN THE INITIAL PROCEDURE AND SUBMIT THE FIELD OF VIEWS PROVIDED BY THE COMPLETED INSTALLATION FOR | | | | | CR CARD READER | R FR FUTURE CARD READER |
| 13. ALL CONDUITS SHALL HAVE PLASTIC BUSHINGS INSTALLED AT OPEN ENDS PRIOR TO PULLING WIRE. APPROVAL BY THE OWNER THAT THEY ARE COMPARABLE TO THOSE OBTAINED IN THE INITIAL SELECTION PROCEDURE. | PTZ PTZ | Z CAMERA (DUO) | ▶ 180° DUO CAMERA | 4 (270)▶ 270° CAMERA | DC DOOR CONTAC | |
| 14. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED. 15. ALL BACK BOXES MOUNTED WITHIN FIRE RATED PARTITIONS SHALL MEET FIRE RATING OF THE PARTITION AS REQUIRED BY CODE. | | | | | EC ELECTRONIC C | |
| 16. NOT USED. | | | | | | |
| 17. NOT USED. | | | | 4 (360) ▶ 360° CAMERA | | |
| | | | | | | |

| SECURITY CAMERA SCHEDULE | | | | | | | SECURITY DOOR SCHEDULE | | | | | |
|---------------------------|-----------------------------|--|-------------------|---------------------|--|----------------|------------------------|----------------|-------------------|----------------------|---------------------|---|
| ROOM NUMBER ROOM NAME | DEVICE CAMER NUMBER TYPE | | TERMINATION POINT | REFERENCE DETAIL | NOTES | ROOM NUMBER | ROOM NAME | DOOR NUMBER | ACCESS CONTROL | TERMINATION POINT | REFERENCE DETAIL | NOTES |
| 016 (E) CORRIDOR | C-016-01 FIX | | IT 019 | 3/Y-501 | ROUGH-IN ONLY, CAMERA SYSTEM BY OWNER'S VENDOR | 019 | (E) IT | E019 | CR | IT 019 | 1/Y-501 | ROUGH-IN ONLY, ACS SYSTEM BY OWNER'S VENDOR |
| 016 (E) CORRIDOR | C-016-02 FIX | | IT 019 | 3/Y-501 | ROUGH-IN ONLY, CAMERA SYSTEM BY OWNER'S VENDOR | 040 | STORAGE | 040 | CR | IT 019 | 2/Y-501 | ROUGH-IN ONLY, ACS SYSTEM BY OWNER'S VENDOR |
| 047 CORRIDOR | C-047-01 FIX | | IT 019 | 3/Y-501 | ROUGH-IN ONLY, CAMERA SYSTEM BY OWNER'S VENDOR | 041 | PRACTICE | 041 | CR | IT 019 | 2/Y-501 | ROUGH-IN ONLY, ACS SYSTEM BY OWNER'S VENDOR |
| 047 CORRIDOR | C-047-02 FIX | | IT 019 | 3/Y-501 | ROUGH-IN ONLY, CAMERA SYSTEM BY OWNER'S VENDOR | 042 | SIMULATION SUITE | 042 | CR | IT 019 | 2/Y-501 | ROUGH-IN ONLY, ACS SYSTEM BY OWNER'S VENDOR |
| 047 CORRIDOR | C-047-03 FIX | | IT 019 | 3/Y-501 | ROUGH-IN ONLY, CAMERA SYSTEM BY OWNER'S VENDOR | 043 | PRACTICE | 043 | CR | IT 019 | 2/Y-501 | ROUGH-IN ONLY, ACS SYSTEM BY OWNER'S VENDOR |
| | | | | 1 | | 048 | AV / IT | 048 | CR | IT 019 | 1/Y-501 | ROUGH-IN ONLY, ACS SYSTEM BY OWNER'S VENDOR |
| | | | | | | | NURSING SKILLS LAB | 049A | CR | IT 019 | 2/Y-501 | ROUGH-IN ONLY, ACS SYSTEM BY OWNER'S VENDOR |
| SECHIDITY DEVICE SCHEDHIE | | | | | | | NURSING SKILLS LAB | 049B | CR | IT 019 | 2/Y-501 | ROUGH-IN ONLY, ACS SYSTEM BY OWNER'S VENDOR |

| SECURITY DEVICE SCHEDULE | | | | | | | |
|--------------------------|----------------------------|------------------|----------------|--------------|----------------------|---------------------|---|
| ROOM NUMBER | ROOM NAME | DEVICE NUMBER | DEVICE TYPE | MAKE & MODEL | TERMINATION POINT | REFERENCE DETAIL | NOTES |
| 019 | (E) IT | (E) | PS | | IT 019 | - | EXISTING ACS POWER SUPPLY TO REMAIN |
| 019 | (E) IT | (E) | ACP | | IT 019 | - | EXISTING ACS PANEL TO REMAIN |
| 019 | (E) IT | APC-019-02 | ACP | | IT 019 | - | ACS SYSTEM BY OWNER'S VENDOR |
| 019 | (E) IT | PS-019-02 | PS | | IT 019 | - | ACS SYSTEM BY OWNER'S VENDOR |
| 040 | STORAGE | AB-040 | AB | | IT 019 | 4/Y-501 | ROUGH-IN ONLY, ALERTUS BEACON BY OWNER'S VENDOR |
| 041 | PRACTICE | AB-041 | AB | | IT 019 | 4/Y-501 | ROUGH-IN ONLY, ALERTUS BEACON BY OWNER'S VENDOR |
| 042 | SIMULATION SUITE | AB-042 | AB | | IT 019 | 4/Y-501 | ROUGH-IN ONLY, ALERTUS BEACON BY OWNER'S VENDOR |
| 042A | HIGH FIDELITY ICU SIM | AB-042A | AB | | IT 019 | 4/Y-501 | ROUGH-IN ONLY, ALERTUS BEACON BY OWNER'S VENDOR |
| 042B | HIGH FIDELITY ICU SIM | AB-042B | AB | | IT 019 | 4/Y-501 | ROUGH-IN ONLY, ALERTUS BEACON BY OWNER'S VENDOR |
| 042C | HIGH FIDELITY BIRTHING SIM | AB-042C | AB | | IT 019 | 4/Y-501 | ROUGH-IN ONLY, ALERTUS BEACON BY OWNER'S VENDOR |
| 042D | HIGH FIDELITY OR SIM | AB-042D | AB | | IT 019 | 4/Y-501 | ROUGH-IN ONLY, ALERTUS BEACON BY OWNER'S VENDOR |
| 043 | PRACTICE | AB-043 | AB | | IT 019 | 4/Y-501 | ROUGH-IN ONLY, ALERTUS BEACON BY OWNER'S VENDOR |
| 044 | GENERAL PURPOSE CLASSROOM | AB-044 | AB | | IT 019 | 4/Y-501 | ROUGH-IN ONLY, ALERTUS BEACON BY OWNER'S VENDOR |
| 045 | GROUP STUDY | AB-045 | AB | | IT 019 | 4/Y-501 | ROUGH-IN ONLY, ALERTUS BEACON BY OWNER'S VENDOR |
| 046 | GROUP STUDY | AB-046 | AB | | IT 019 | 4/Y-501 | ROUGH-IN ONLY, ALERTUS BEACON BY OWNER'S VENDOR |
| 049 | NURSING SKILLS LAB | AB-049 | AB | | IT 019 | 4/Y-501 | ROUGH-IN ONLY, ALERTUS BEACON BY OWNER'S VENDOR |

NOTES:
1. SEE THE ARCHITECTURAL DOOR SCHEDULE FOR MORE INFORMATION.

- SECURITY SYSTEM DEMOLITION SCOPE NOTES:

 1. REFER TO SHEET TD-111 FOR DEMOLITION REQUIREMENTS OF EXISTING SECURITY DEVICES (IE EXISTING READER DOORS AND ALERTUS BEACONS).

 2. REFER TO DETAILS 1/T-200 AND 2/TD-111. EQUIPMENT AND CABLING IN IT 019 TO REMAIN IN PLACE AND FUNCTIONAL, UNLESS OTHERWISE NOTED.

 3. ALL EXISTING SECURITY DEVICES TO BE REMOVED BY OWNER. GC TO PULL BACK CABLING TO SOURCE ROOM AND COIL IN PLACE.

 4. COORDINATE DEMOLITION REQUIREMENTS AND PHASING WITH OWNER IT DEPARTMENT PRIOR TO WORK.

- SECURITY SYSTEM NEW WORK SCOPE NOTES:

 1. PROVIDE ROUGH-IN ONLY FOR NEW SECURITY DEVICE LOCATIONS.

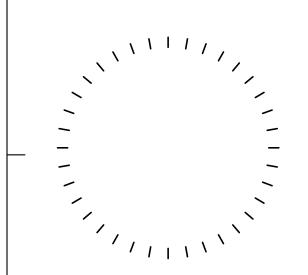
 2. ALL SECURITY EQUIPMENT AND CABLING INSTALLATION SHALL BE PERFORMED BY OWNER'S PREFERRED VENDOR(S).
- 3. REFER TO SECURITY DETAILS SHEET Y-501. COORDINATE SECURITY DOOR ROUGH-IN REQUIREMENTS WITH DIV-08 HARDWARE SPEC AND ARCHITECTURAL DOOR SCHEDULE.
 REFER TO DETAIL 1/T-200 FOR LOCATION OF NEW ACCESS CONTROL PANEL.
 COORDINATE FINAL LOCATIONS, REQUIREMENTS AND PHASING WITH OWNER IT DEPARTMENT PRIOR TO WORK.

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RENOVATION N N NURSING

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PLANNING INTERIOR DESIGN



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| | No. | Date | Revision | | | | | | | |
| | Project | Name | | | | | | | | |
| - | NURSING RENOVATION | | | | | | | | | |
| | Project Number | | | | | | | | | |
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| | Drawing | | | | | | | | | |
| | SECURITY SYMBOLS LEGEND, NOTES AND SCHEDULES | | | | | | | | | |

CONTRACT DOCUMENTS

- SECURITY SYSTEM NEW WORK SCOPE NOTES:

 1. PROVIDE ROUGH-IN ONLY FOR NEW SECURITY DEVICE LOCATIONS.

 2. ALL SECURITY EQUIPMENT AND CABLING INSTALLATION SHALL BE PERFORMED BY OWNER'S PREFERRED VENDOR(S).
- REFER TO SECURITY DETAILS SHEET Y-501.
 COORDINATE SECURITY DOOR ROUGH-IN REQUIREMENTS WITH DIV-08 HARDWARE SPEC AND ARCHITECTURAL DOOR SCHEDULE.
- 5. REFER TO DETAIL 1/T-200 FOR LOCATION OF NEW ACCESS CONTROL PANEL. 6. COORDINATE FINAL LOCATIONS, REQUIREMENTS AND PHASING WITH OWNER IT DEPARTMENT PRIOR TO WORK.

AIN COLLEGE

ARCHITECT

ph: 303.607.0977 URL: www.hcm2.com M/E/P ENGINEER

896 Tabor Street Lakewood, CO 80401

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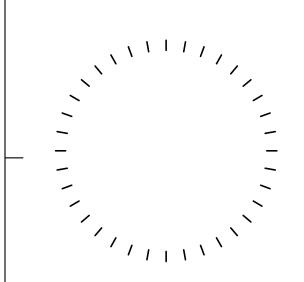
Hord Coplan Macht, Inc. 1800 Wazee Street, Suite 450 Denver, CO 80202

Cator, Ruma and Associates, Co.

NURSING

hord | coplan | macht ARCHITECTURE

LANDSCAPE ARCHITECTURE PLANNING INTERIOR DESIGN



Project Name
NURSING RENOVATION Project Number 221170.00

Date (YYYY/MM/DD) 10-01-2021

Drawn By NV5

OVERALL SECURITY PLAN

Y-101

CONTRACT DOCUMENTS

